

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121615\
 Data File : BF083848.D
 Acq On : 16 Dec 2015 15:13
 Operator : UM/SJ
 Sample : G4772-05MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Manual Integrations
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MMdadoda
 12/17/2015 5:34:12 PM

Quant Time: Dec 17 03:50:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 14 01:30:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	96508	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	397428	20.00	ng	-0.03
38) Acenaphthene-d10	9.93	164	183398	20.00	ng	-0.03
63) Phenanthrene-d10	11.41	188	345367	20.00	ng	-0.03
75) Chrysene-d12	14.05	240	221817	20.00	ng	-0.02
86) Perylene-d12	15.48	264	181544	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	826984	138.24	ng	-0.01
7) Phenol-d6	6.53	99	978039	129.10	ng	-0.01
23) Nitrobenzene-d5	7.46	82	607764	85.56	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	295164	157.94	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	1021018	80.16	ng	-0.03
78) Terphenyl-d14	13.00	244	1047812	101.61	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.57	88	100137	34.62	ng	# 82
3) Pyridine	3.30	79	268993	36.96	ng	# 83
4) n-Nitrosodimethylamine	3.25	42	122356	44.44	ng	# 64
6) Aniline	6.56	93	289768	28.16	ng	98
8) 2-Chlorophenol	6.68	128	317064	45.10	ng	87
9) Benzaldehyde	6.44	77	168673m	41.46	ng	
10) Phenol	6.54	94	310196	35.57	ng	97
11) bis(2-Chloroethyl)ether	6.64	93	302709	47.94	ng	# 83
12) 1,3-Dichlorobenzene	6.83	146	326577m	43.78	ng	
13) 1,4-Dichlorobenzene	6.91	146	336797	44.67	ng	100
14) 1,2-Dichlorobenzene	7.07	146	323725	47.79	ng	96
15) Benzyl Alcohol	7.04	79	266475	47.88	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.17	45	313706	38.26	ng	71
17) 2-Methylphenol	7.15	107	259936	45.99	ng	# 86
18) Hexachloroethane	7.41	117	123547	46.15	ng	98
19) n-Nitroso-di-n-propylamine	7.31	70	194382	41.90	ng	91
20) 3+4-Methylphenols	7.31	107	323032	48.41	ng	# 69
22) Acetophenone	7.31	105	417595	42.83	ng	# 99
24) Nitrobenzene	7.48	77	338089	45.73	ng	# 73
25) Isophorone	7.72	82	600891	43.11	ng	# 90
26) 2-Nitrophenol	7.79	139	161991	45.61	ng	87
27) 2,4-Dimethylphenol	7.84	122	301354	43.18	ng	99
28) bis(2-Chloroethoxy)methane	7.93	93	365831	46.00	ng	# 97
29) 2,4-Dichlorophenol	8.04	162	279580	48.80	ng	93
30) 1,2,4-Trichlorobenzene	8.12	180	271168	45.64	ng	95
31) Naphthalene	8.20	128	966747	46.66	ng	99
33) 4-Chloroaniline	8.25	127	150291	17.76	ng	# 84
34) Hexachlorobutadiene	8.33	225	152277	46.71	ng	97
35) Caprolactam	8.61	113	90312m	49.09	ng	
36) 4-Chloro-3-methylphenol	8.74	107	327909	48.93	ng	86
37) 2-Methylnaphthalene	8.89	142	586941	45.13	ng	97
39) 1,2,4,5-Tetrachlorobenzene	9.06	216	248974	46.02	ng	# 100
40) Hexachlorocyclopentadiene	9.05	237	212570	77.54	ng	99
42) 2,4,6-Trichlorophenol	9.17	196	189466	47.84	ng	96

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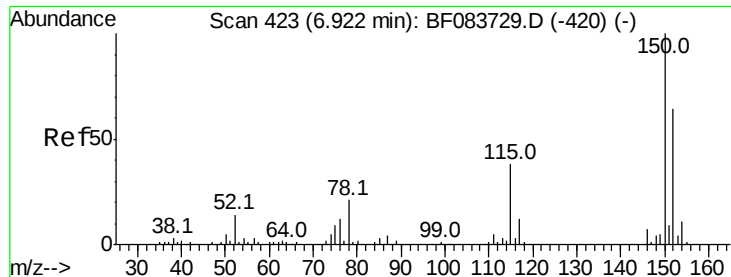
Manual Integrations
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 12/17/2015 5:34:12 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.21	196	184638	49.15	nq	# 88
45) 1,1'-Biphenyl	9.36	154	747311	45.98	nq	95
46) 2-Chloronaphthalene	9.38	162	543660	45.31	nq	# 92
47) 2-Nitroaniline	9.47	65	163561	48.07	nq	# 75
48) Acenaphthylene	9.79	152	872458	43.22	nq	99
49) Dimethylphthalate	9.66	163	913603	63.90	nq	98
50) 2,6-Dinitrotoluene	9.72	165	156391	51.54	nq	# 51
51) Acenaphthene	9.96	154	557044	45.65	nq	99
52) 3-Nitroaniline	9.88	138	108694	31.07	nq	# 75
53) 2,4-Dinitrophenol	9.98	184	70441	52.48	nq	# 80
54) Dibenzofuran	10.13	168	787787	48.72	nq	# 89
55) 4-Nitrophenol	10.05	139	234555	90.54	nq	82
56) 2,4-Dinitrotoluene	10.12	165	213760	53.92	nq	# 74
57) Fluorene	10.48	166	559537	43.94	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.26	232	159391	56.57	nq	# 100
59) Diethylphthalate	10.36	149	714875	49.38	nq	98
60) 4-Chlorophenyl-phenylether	10.48	204	280803	48.36	nq	91
61) 4-Nitroaniline	10.50	138	151477	49.12	nq	91
62) Azobenzene	10.64	77	674802	51.14	nq	85
64) 4,6-Dinitro-2-methylphenol	10.53	198	107258	54.58	nq	# 55
65) n-Nitrosodiphenylamine	10.59	169	539492	45.67	nq	98
66) 4-Bromophenyl-phenylether	10.96	248	175082	45.34	nq	# 77
67) Hexachlorobenzene	11.04	284	207675	49.70	nq	# 78
68) Atrazine	11.12	200	159915	47.58	nq	96
69) Pentachlorophenol	11.22	266	181351	76.95	nq	99
70) Phenanthrene	11.44	178	807014	43.99	nq	99
71) Anthracene	11.49	178	928058	48.70	nq	99
72) Carbazole	11.64	167	801973	45.17	nq	# 96
73) Di-n-butylphthalate	11.97	149	972304	45.10	nq	99
74) Fluoranthene	12.62	202	880602	46.45	nq	99
76) Benzidine	12.74	184	291734	43.16	nq	97
77) Pyrene	12.85	202	903804	51.55	nq	99
79) Butylbenzylphthalate	13.47	149	424188	56.37	nq	91
80) Benzo(a)anthracene	14.04	228	641303	50.84	nq	99
81) 3,3'-Dichlorobenzidine	14.00	252	136273	29.95	nq	97
82) Chrysene	14.08	228	666102	54.14	nq	100
83) Bis(2-ethylhexyl)phthalate	14.03	149	467762	54.62	nq	# 97
84) Di-n-octyl phthalate	14.64	149	751827	55.25	nq	# 100
85) Indeno(1,2,3-cd)pyrene	16.91	276	607635	50.29	nq	# 100
87) Benzo(b)fluoranthene	15.07	252	551089	47.58	nq	98
88) Benzo(k)fluoranthene	15.11	252	526641m	50.18	nq	
89) Benzo(a)pyrene	15.43	252	509737	49.32	nq	99
90) Dibenzo(a,h)anthracene	16.92	278	501886	48.84	nq	# 96
91) Benzo(g,h,i)perylene	17.35	276	520023	49.23	nq	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 421

Delta R.T. -0.02 min

Lab File: BF083848.D

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Instrument :

BNA_F

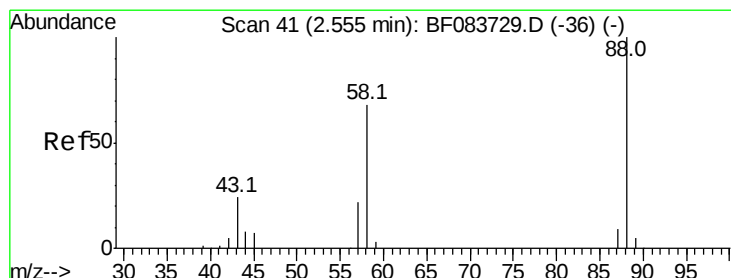
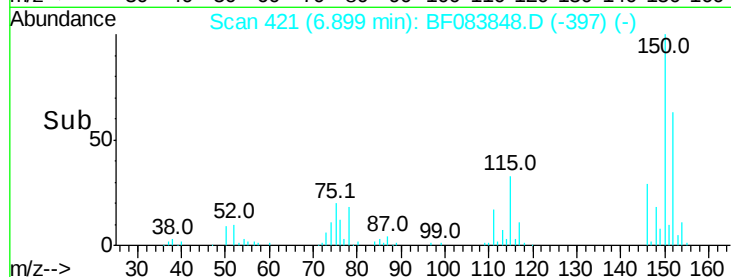
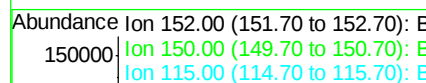
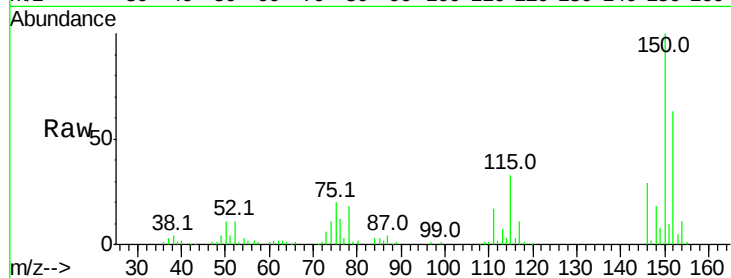
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	152	Resp:	96508
Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.5	189.7
115	53.0	52.3	78.5

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#2

1,4-Dioxane

Concen: 34.62 ng

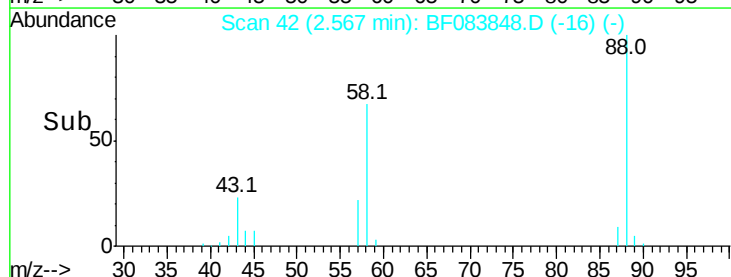
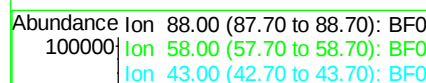
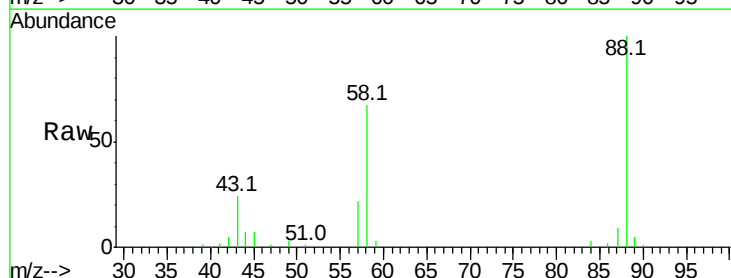
RT: 2.57 min Scan# 42

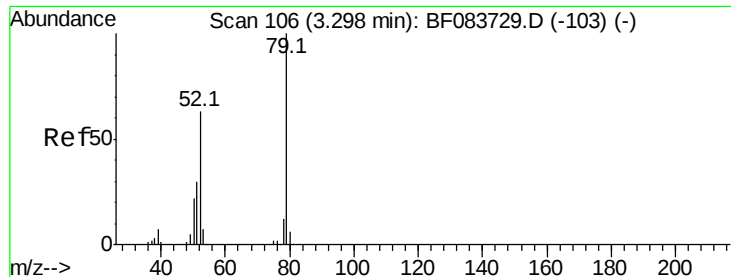
Delta R.T. 0.00 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	88	Resp:	100137
Ion	Ratio	Lower	Upper
88	100		
58	68.0	68.0	102.0#
43	25.4	27.9	41.9#





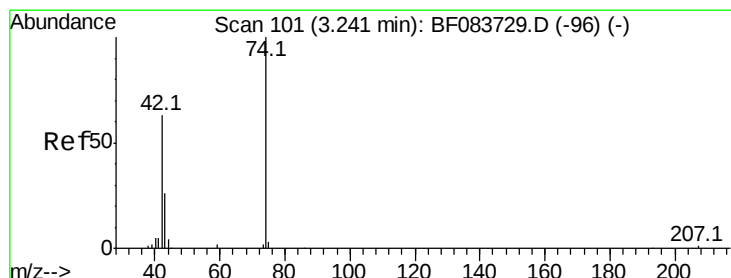
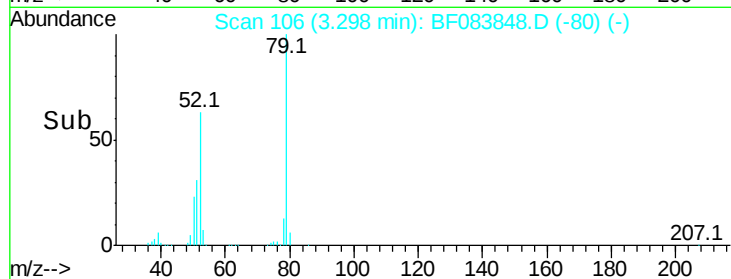
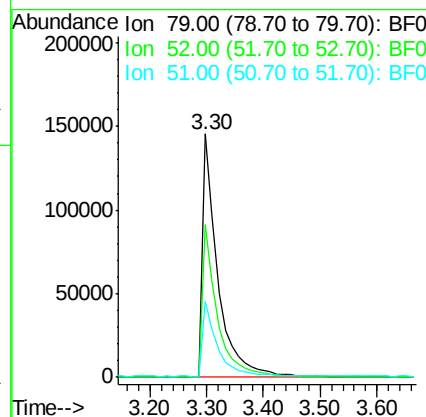
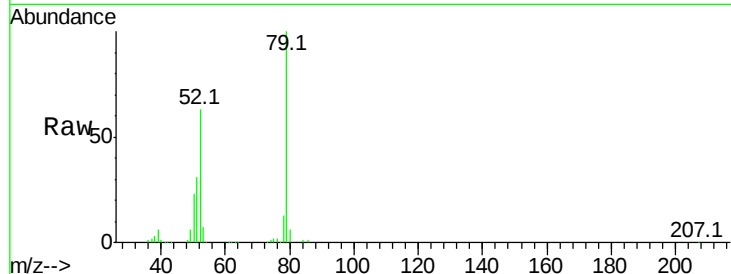
#3
 Pvridine
 Concen: 36.96 ng
 RT: 3.30 min Scan# 106
 Delta R.T. 0.00 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	63.0	63.7	95.5#
51	31.0	30.6	45.8

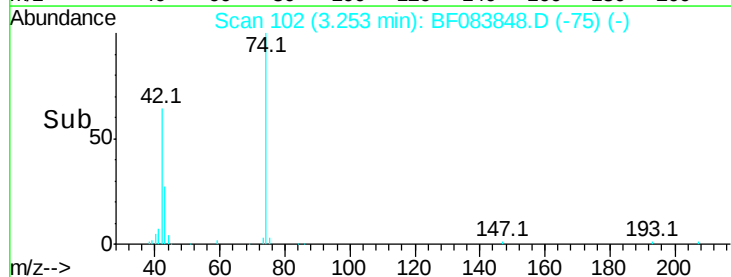
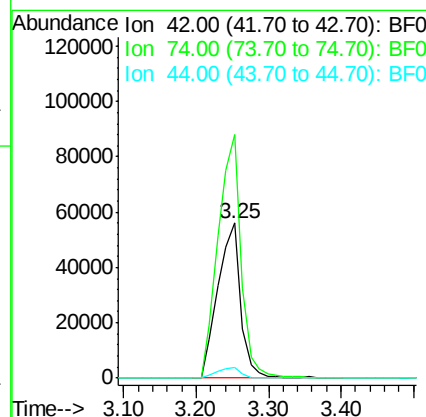
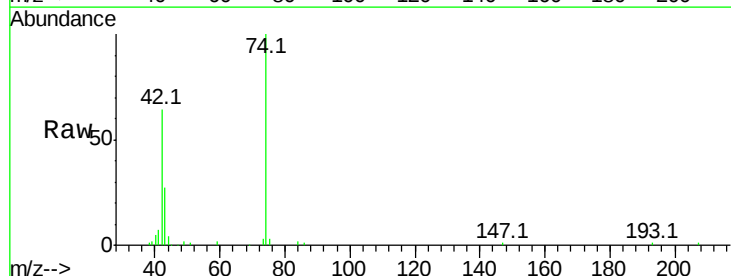
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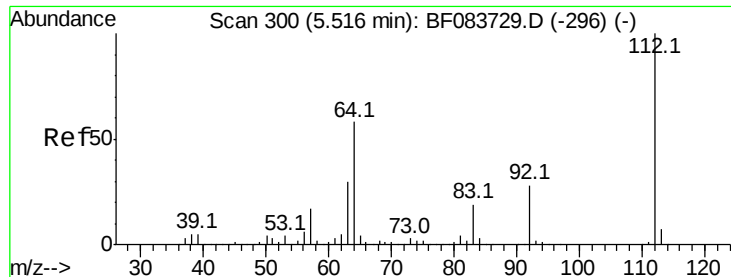
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#4
 n-Nitrosodimethylamine
 Concen: 44.44 ng
 RT: 3.25 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
42	100		
74	157.4	92.9	139.3#
44	6.5	5.7	8.5





#5

2-Fluorophenol

Concen: 138.24 ng

RT: 5.52 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

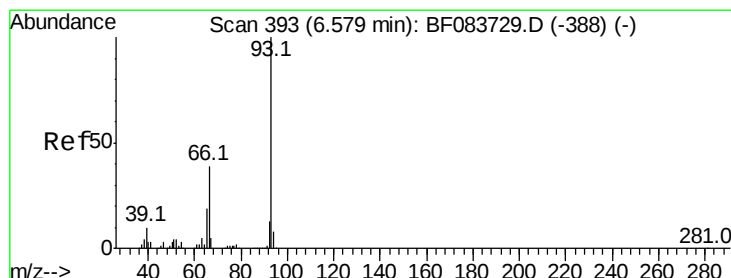
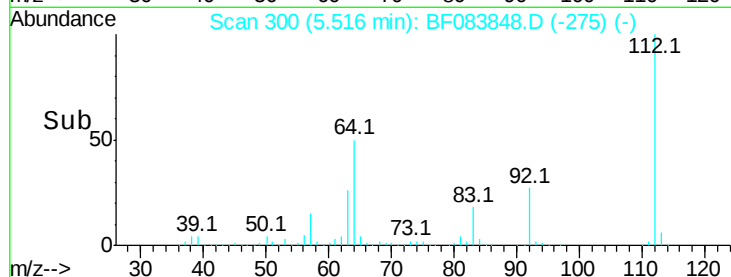
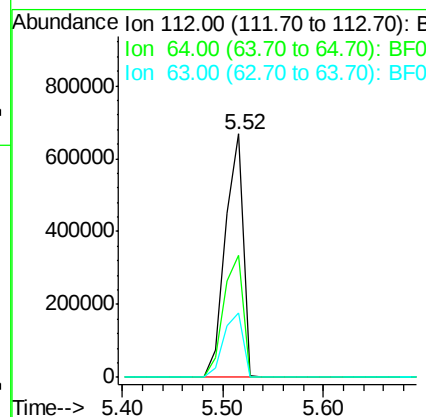
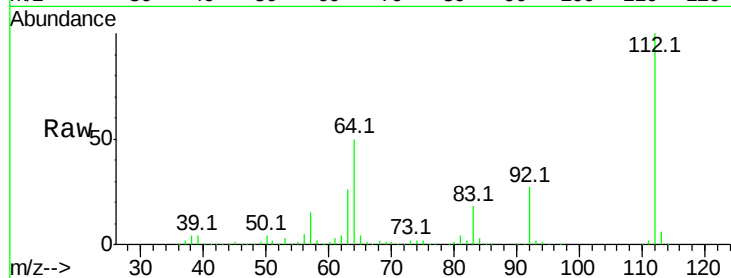
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	112	Resp:	826984
Ion Ratio	Lower	Upper	
112	100		
64	50.2	50.5	75.7#
63	26.4	25.8	38.6

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#6

Aniline

Concen: 28.16 ng

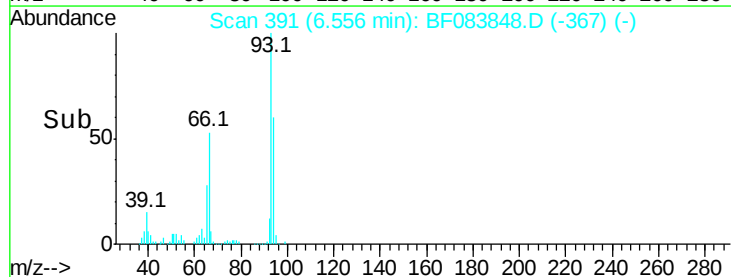
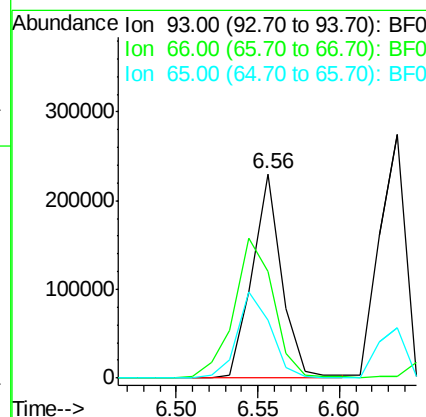
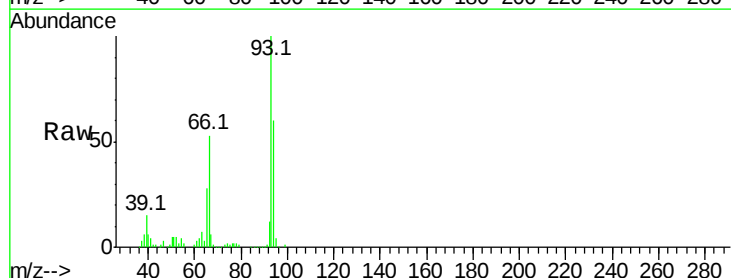
RT: 6.56 min Scan# 391

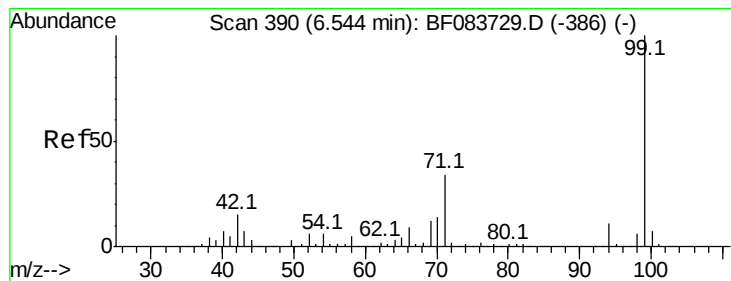
Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	93	Resp:	289768
Ion Ratio	Lower	Upper	
93	100		
66	52.5	41.3	61.9
65	28.4	20.8	31.2





#7

Phenol-d6

Concen: 129.10 ng

RT: 6.53 min Scan# 389

Delta R.T. -0.01 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion: 99 Resp: 978039

Ion Ratio Lower Upper

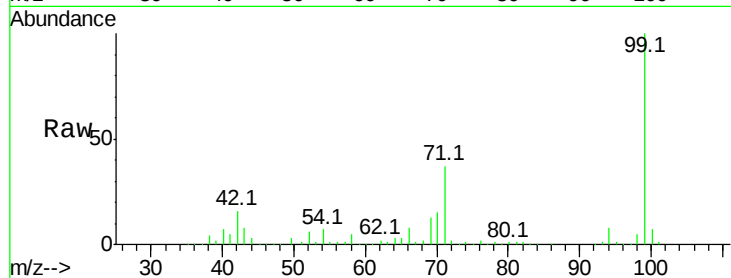
99 100

42 15.9 17.3 25.9#

71 37.0 26.6 40.0

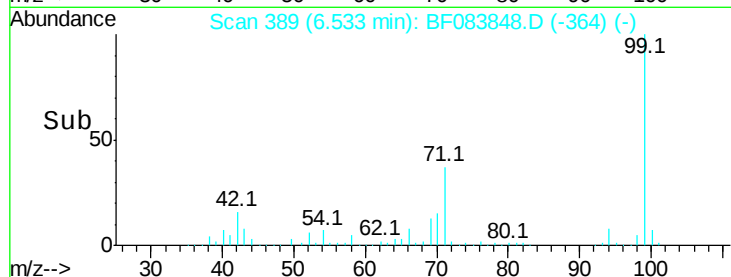
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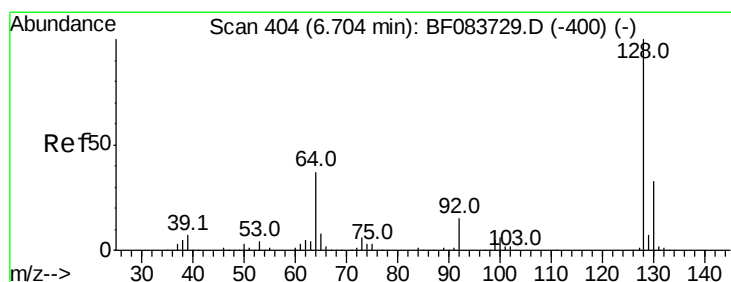


Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0

6.53



Time-->



#8

2-Chlorophenol

Concen: 45.10 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

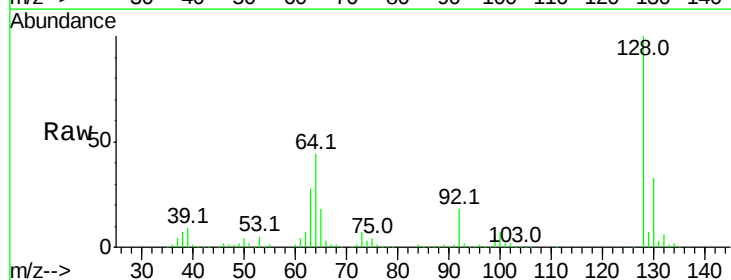
Tgt Ion:128 Resp: 317064

Ion Ratio Lower Upper

128 100

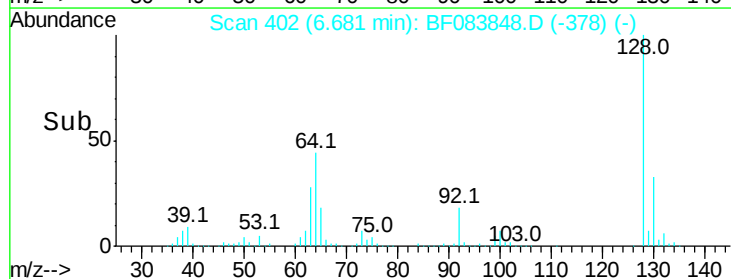
130 33.0 12.6 52.6

64 44.1 38.6 78.6

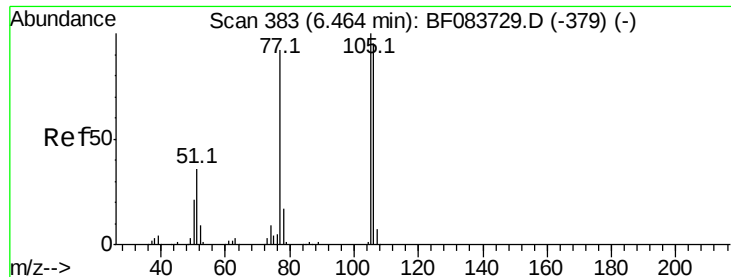


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0

6.68



Time-->



#9

Benzaldehyde

Concen: 41.46 ng/ml

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF083848.D

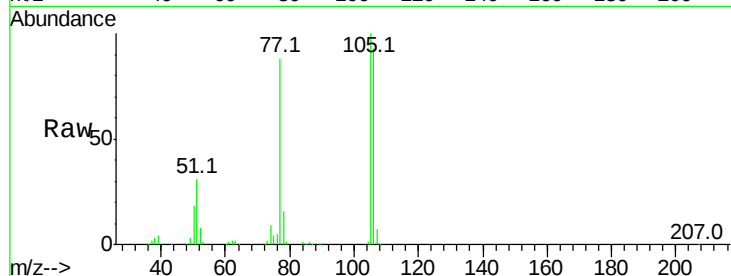
Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

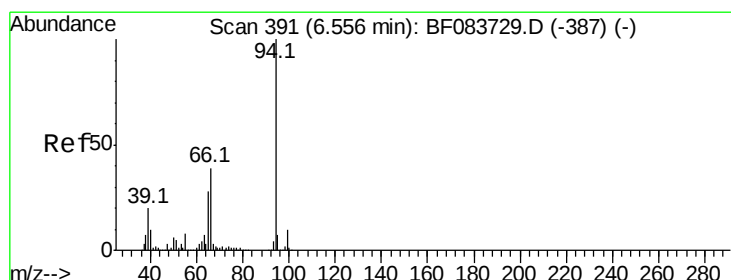
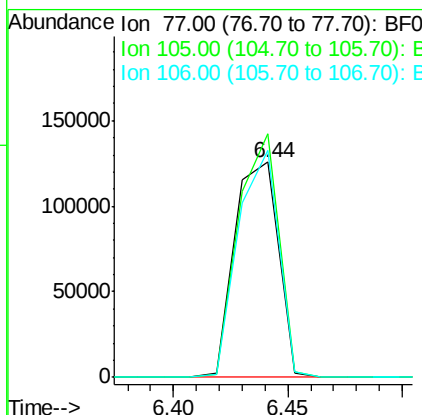
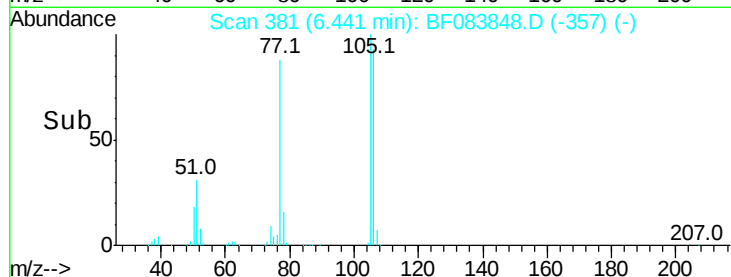
VITALE-FILL-SOURCE-6AMSD



Tot Ion	77	Resp	168673
Ion	Ratio	Lower	Upper
77	100		
105	113.3	71.8	111.8#
106	105.6	66.8	106.8

Manual Integrations
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#10

Phenol

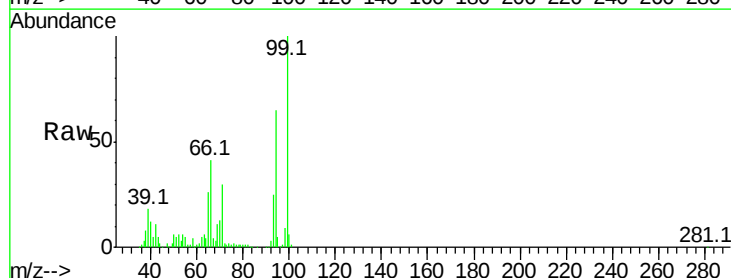
Concen: 35.57 ng/ml

RT: 6.54 min Scan# 390

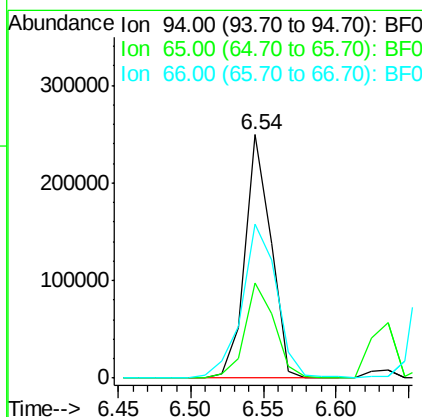
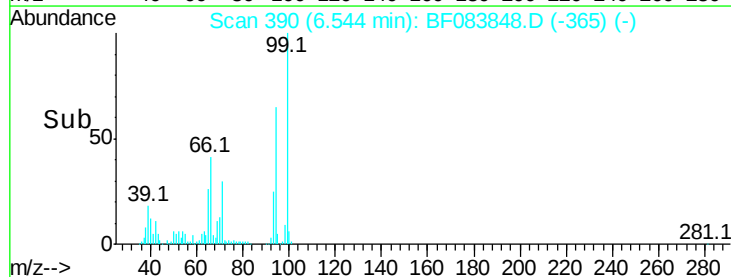
Delta R.T. -0.01 min

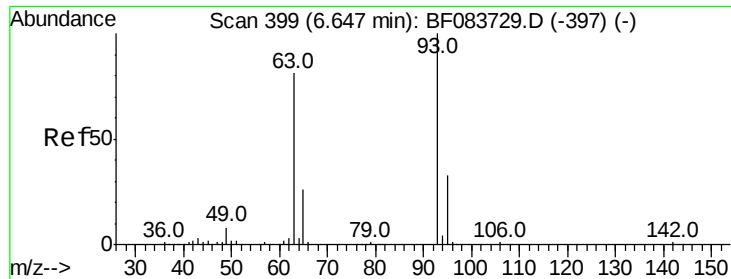
Lab File: BF083848.D

Acq: 16 Dec 2015 15:13



Tgt Ion	94	Resp	310196
Ion	Ratio	Lower	Upper
94	100		
65	39.1	20.9	60.9
66	63.5	41.6	81.6





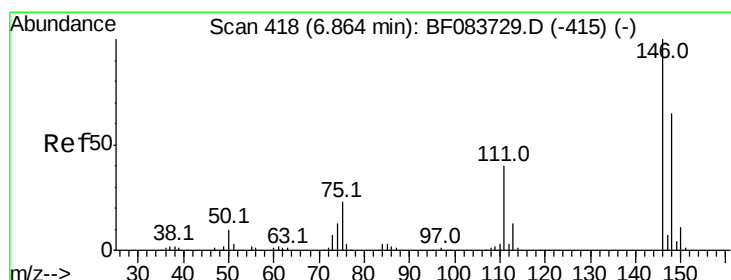
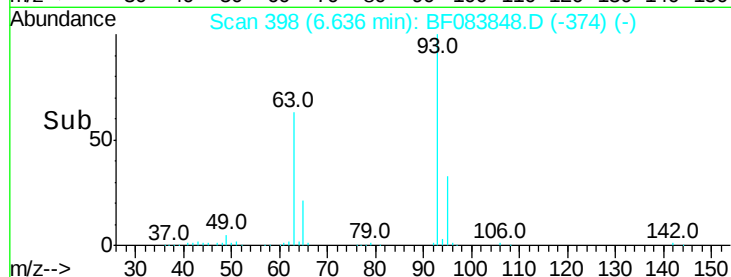
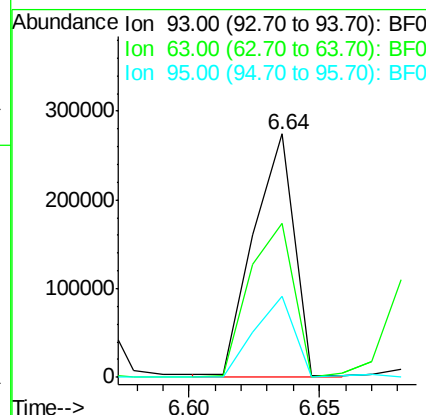
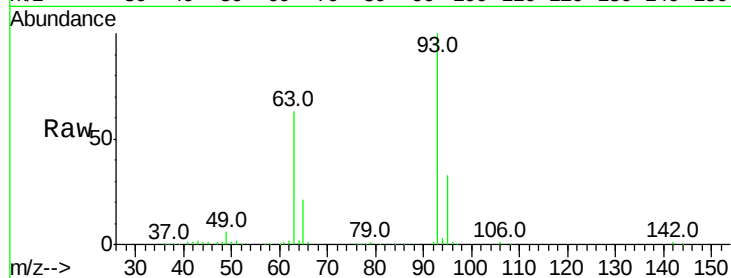
#11
bis(2-Chloroethyl)ether
Concen: 47.94 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	63.3	64.7	104.7#
95	33.4	12.7	52.7

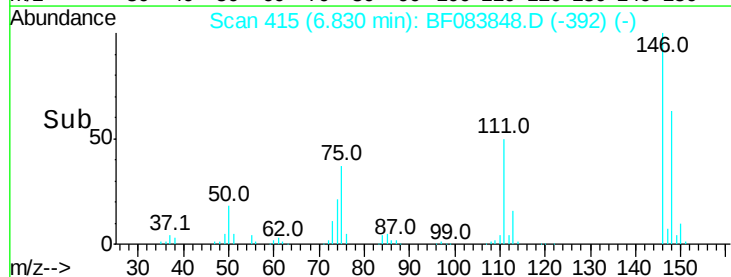
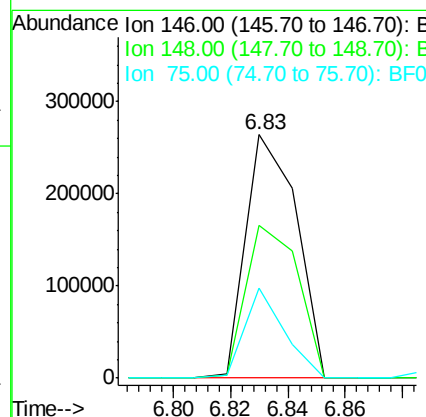
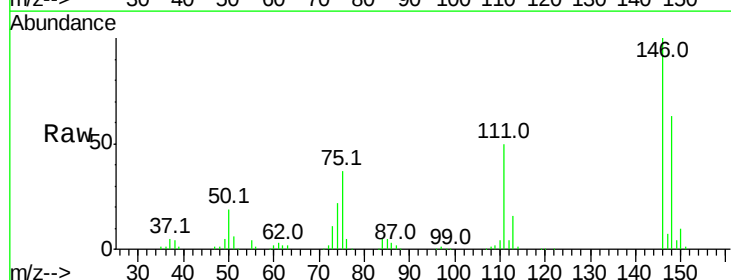
Manual Integrations
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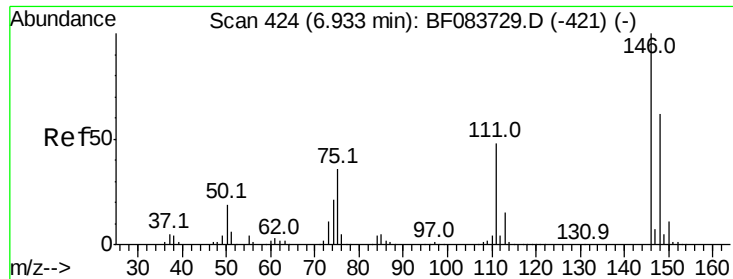
MMdadoda
12/17/2015 5:34:12 PM



#12
1,3-Dichlorobenzene
Concen: 43.78 ng m
RT: 6.83 min Scan# 415
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.8	51.3	76.9
75	37.1	24.1	36.1#





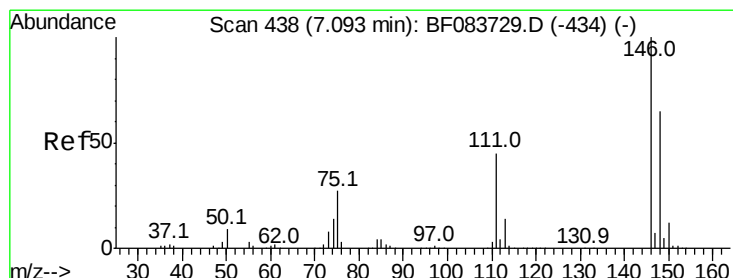
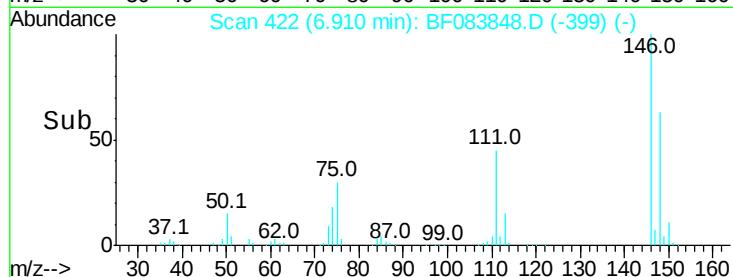
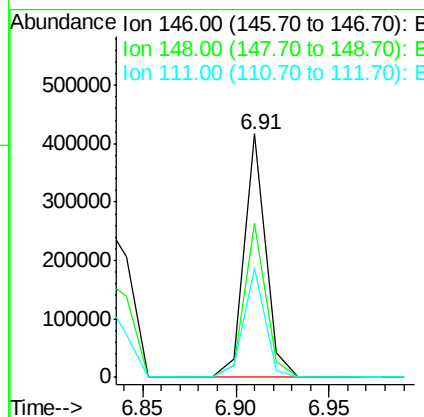
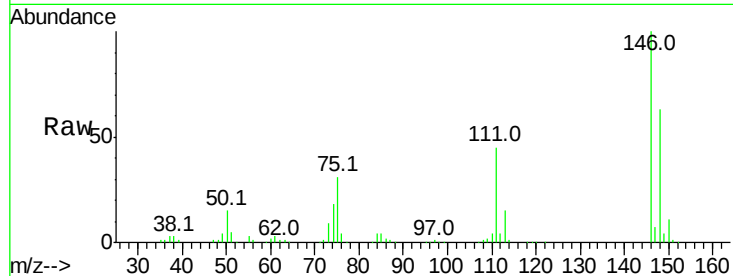
#13
 1,4-Dichlorobenzene
 Concen: 44.67 ng
 RT: 6.91 min Scan# 422
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
111	44.7	36.1	54.1

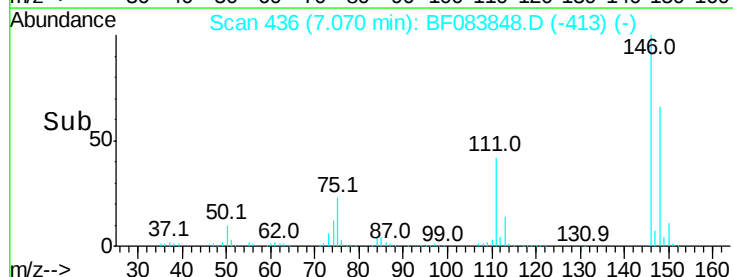
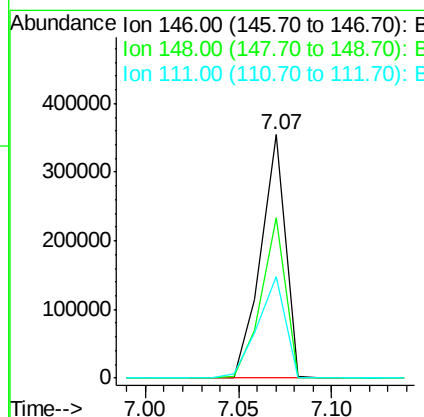
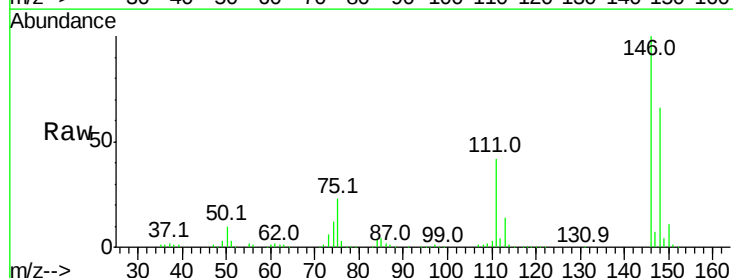
Manual Integrations
 APPROVED

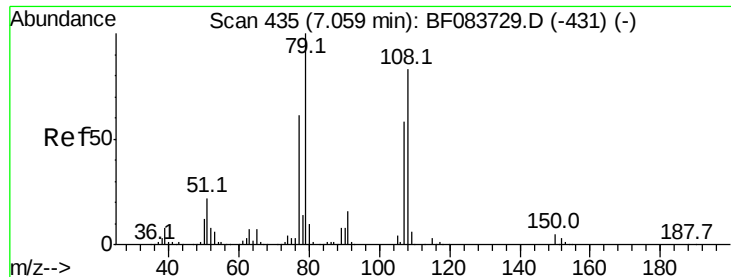
MMdadoda
 12/17/2015 5:34:12 PM



#14
 1,2-Dichlorobenzene
 Concen: 47.79 ng
 RT: 7.07 min Scan# 436
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.4	77.0
111	41.5	36.7	55.1





#15

Benzyl Alcohol

Concen: 47.88 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

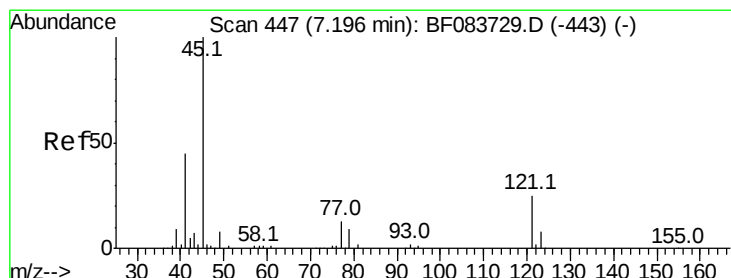
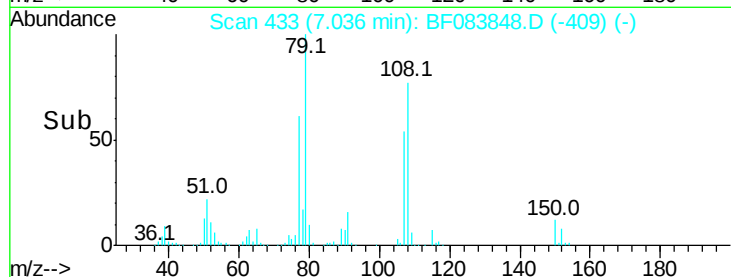
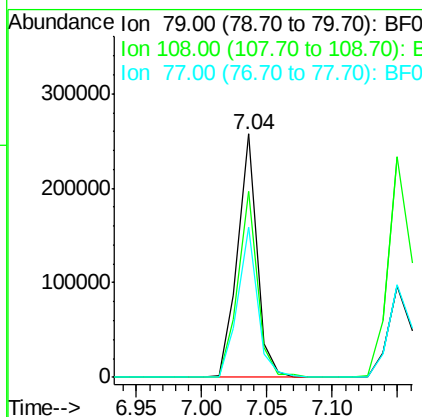
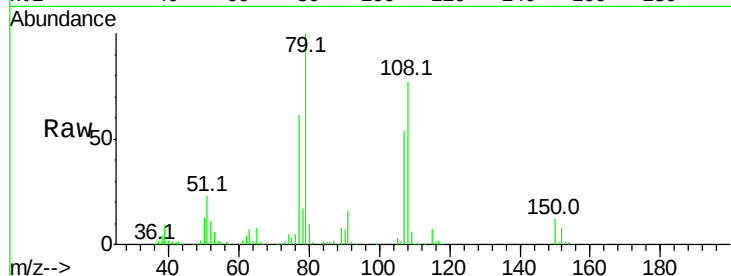
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Manual Integrations
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MMdadoda
12/17/2015 5:34:12 PM

Tot Ion:	79	Resp:	266475
Ion Ratio	Lower	Upper	
79	100		
108	76.6	59.6	89.4
77	61.5	49.8	74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.26 ng

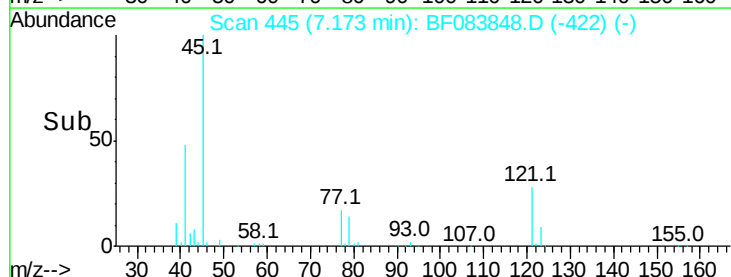
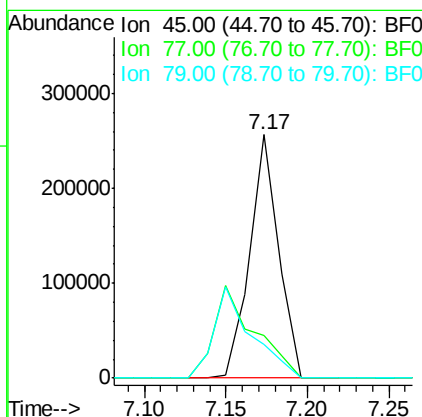
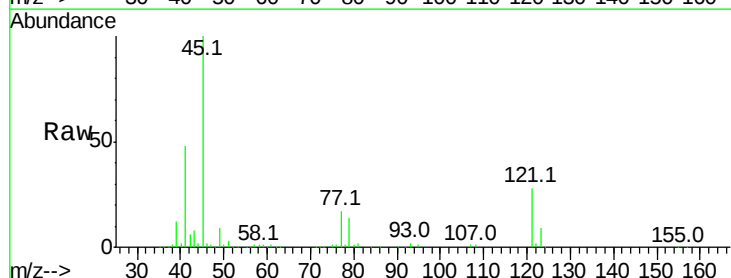
RT: 7.17 min Scan# 445

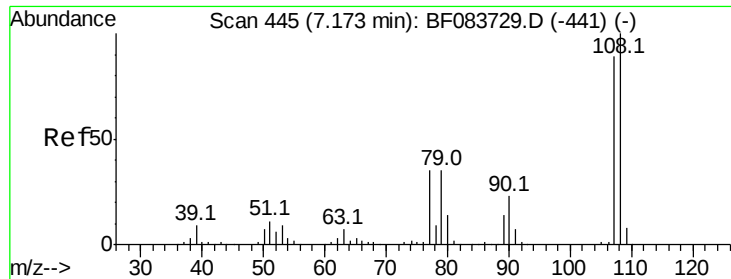
Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	45	Resp:	313706
Ion Ratio	Lower	Upper	
45	100		
77	17.5	12.8	52.8
79	13.6	10.7	50.7





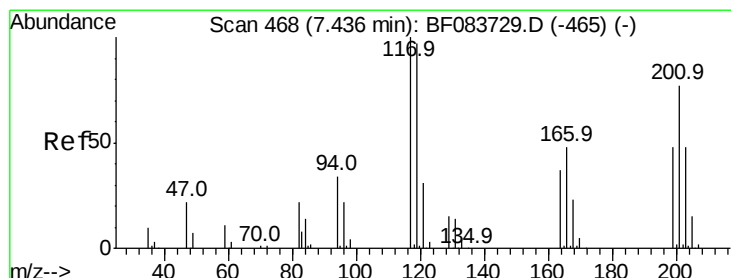
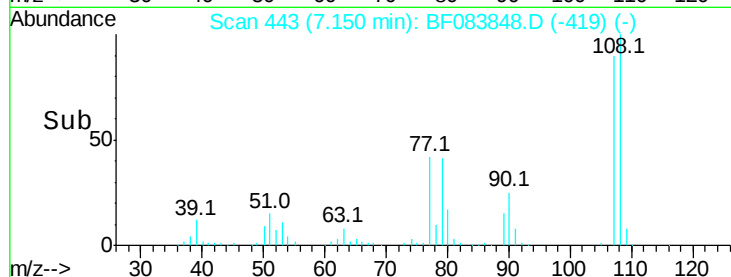
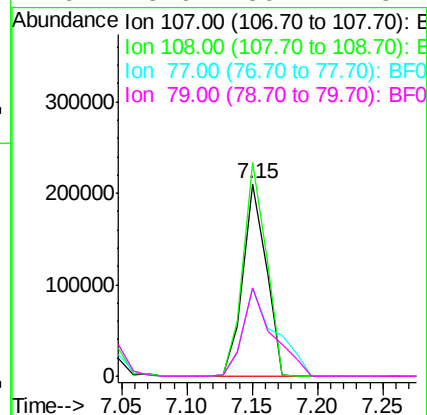
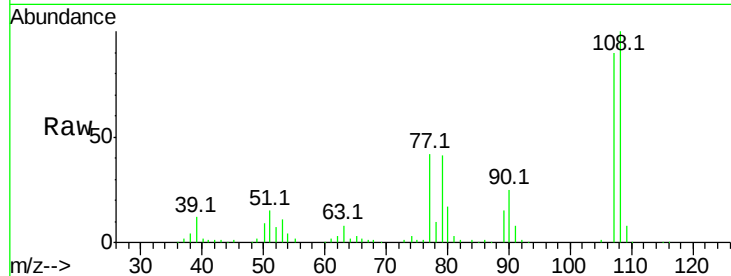
#17
2-Methylphenol
Concen: 45.99 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	111.0	91.6	137.4
77	46.2	53.7	80.5#
79	45.9	50.2	75.4#

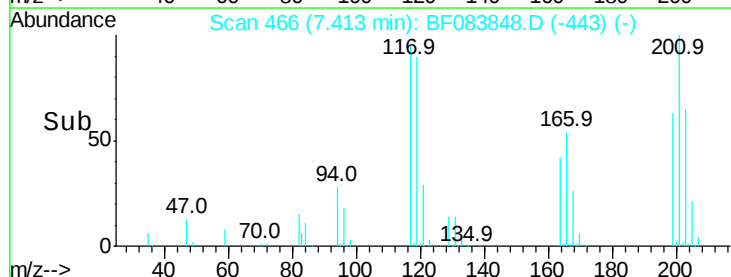
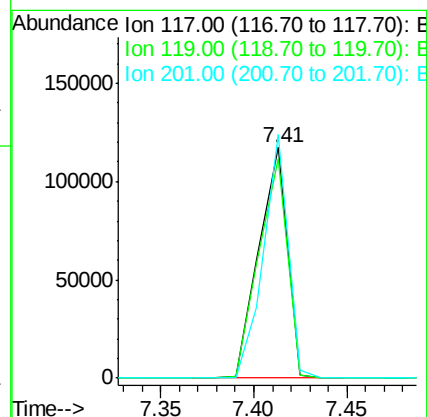
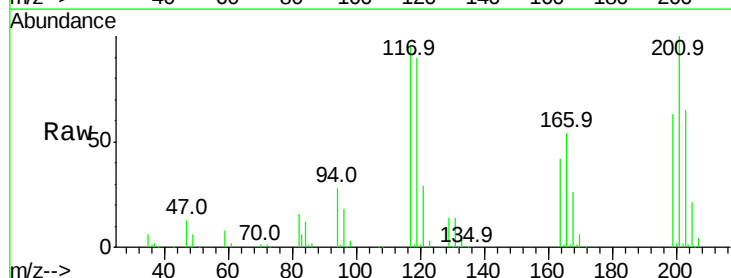
Manual Integrations
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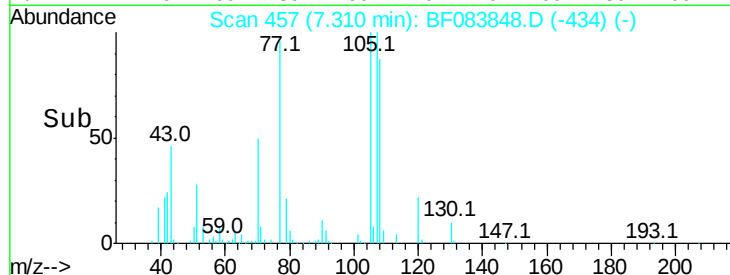
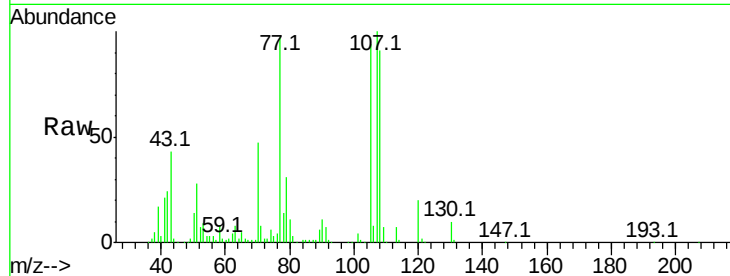
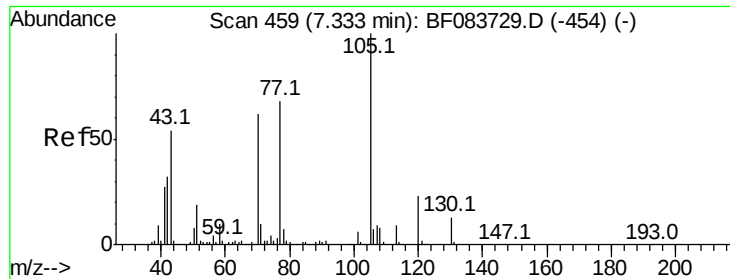
MMdadoda
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#18
Hexachloroethane
Concen: 46.15 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	95.3	77.2	115.8
201	105.6	86.8	130.2





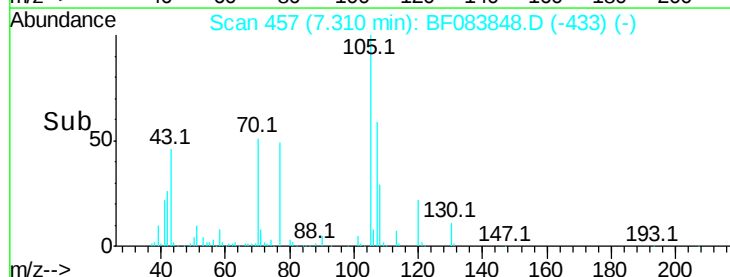
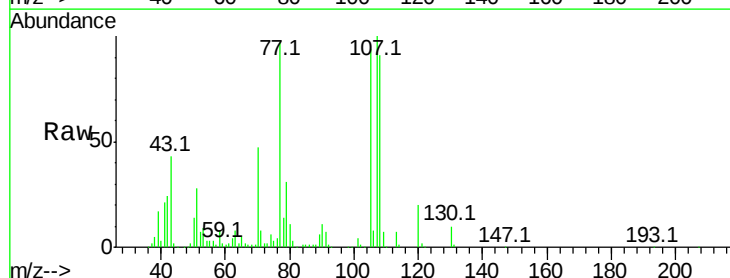
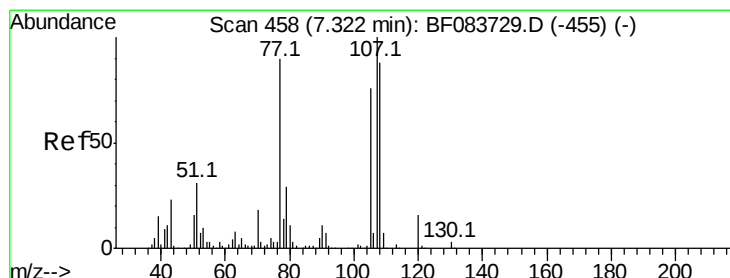
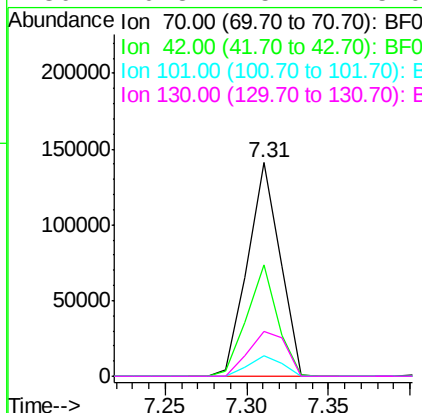
#19
n-Nitroso-di-n-propylamine
Concen: 41.90 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	70	Resp	194382
Ion Ratio	Lower	Upper	
70	100		
42	52.2	49.2	73.8
101	9.6	7.1	10.7
130	20.8	15.4	23.0

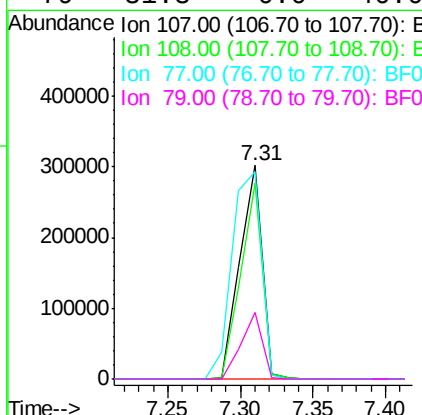
Manual Integrations
APPROVED

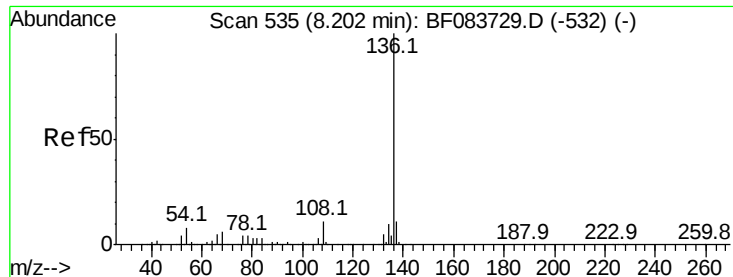
MMdadoda
12/17/2015 5:34:12 PM



#20
3+4-Methylphenols
Concen: 48.41 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	107	Resp	323032
Ion Ratio	Lower	Upper	
107	100		
108	91.5	65.2	105.2
77	97.3	15.2	55.2#
79	31.3	6.0	46.0





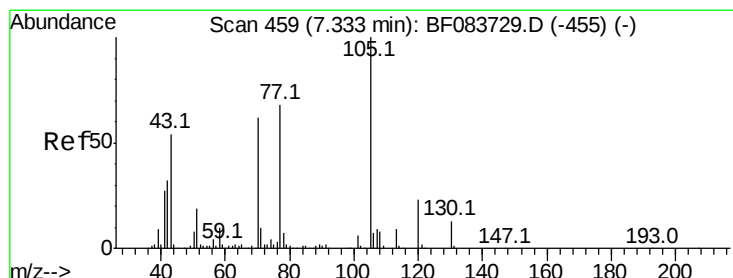
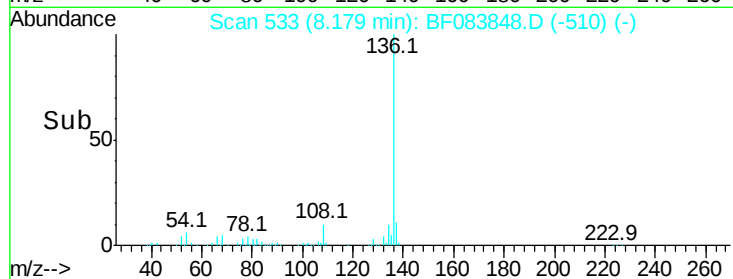
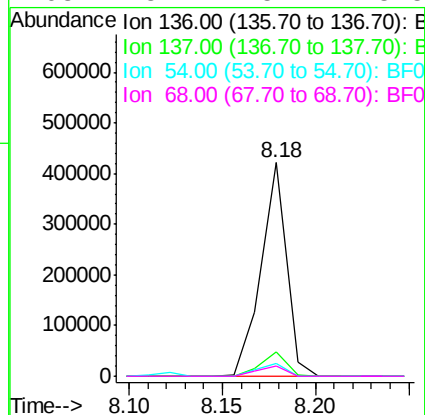
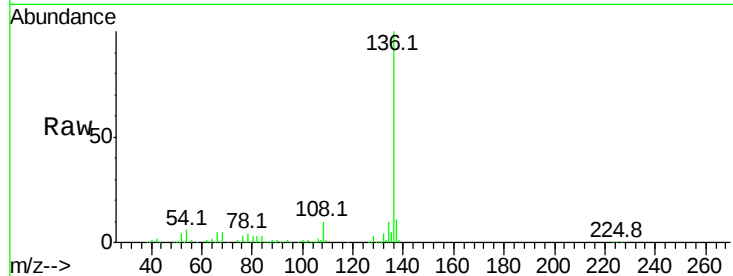
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 533
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.7	13.1	
54	6.1	7.8	11.6#	
68	5.1	5.7	8.5#	

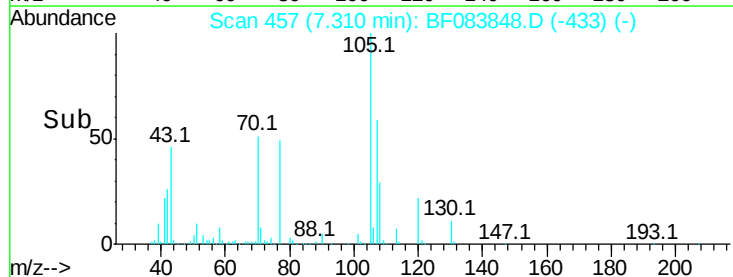
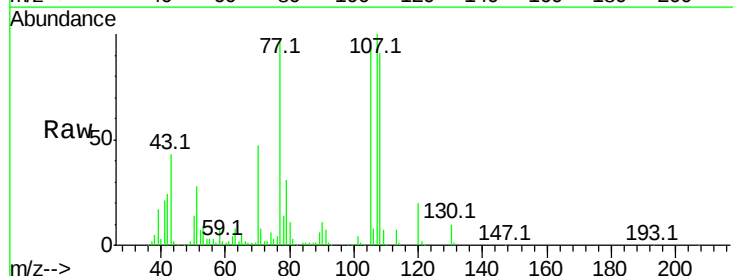
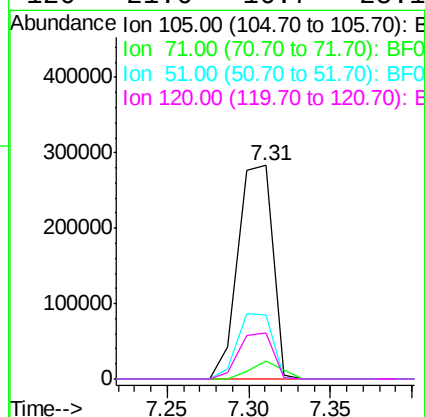
Manual Integrations
APPROVED

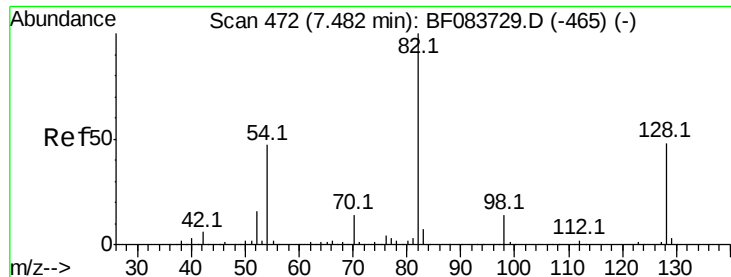
MMdadoda
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#22
Acetophenone
Concen: 42.83 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	8.2	1.3	1.9#	
51	30.1	23.8	35.8	
120	21.6	16.7	25.1	





#23

Nitrobenzene-d5

Concen: 85.56 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

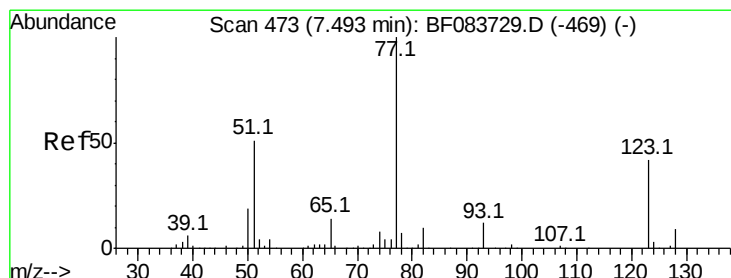
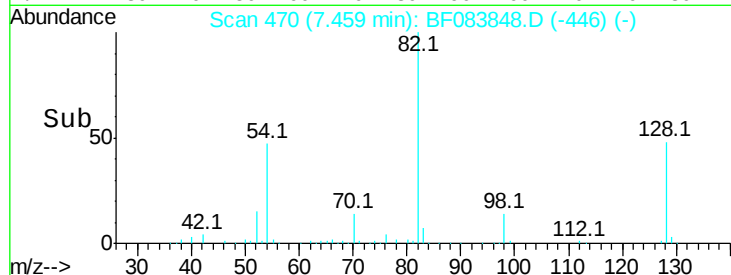
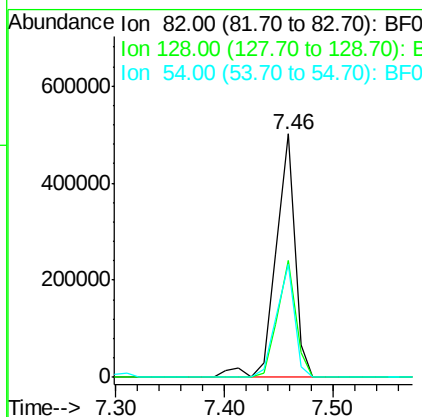
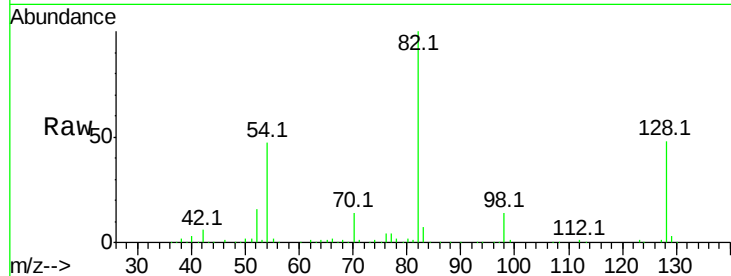
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	82	Resp:	607764
Ion Ratio	Lower	Upper	
82	100		
128	48.1	30.7	46.1#
54	46.7	42.5	63.7

Manual Integrations
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MMdadoda
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#24

Nitrobenzene

Concen: 45.73 ng

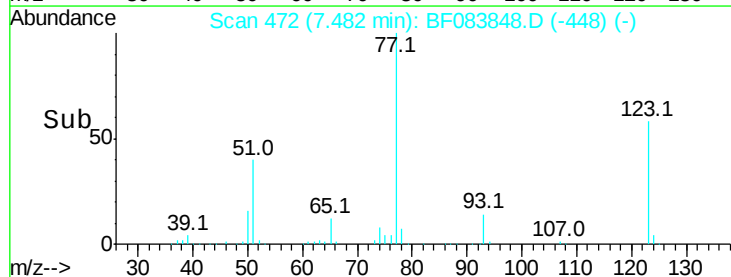
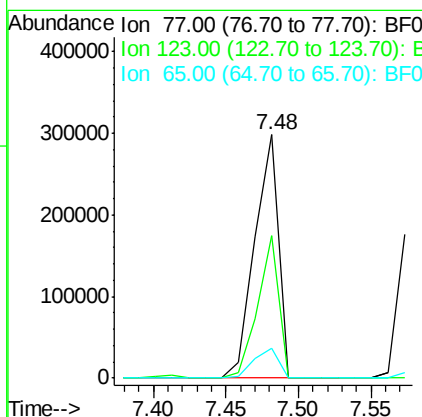
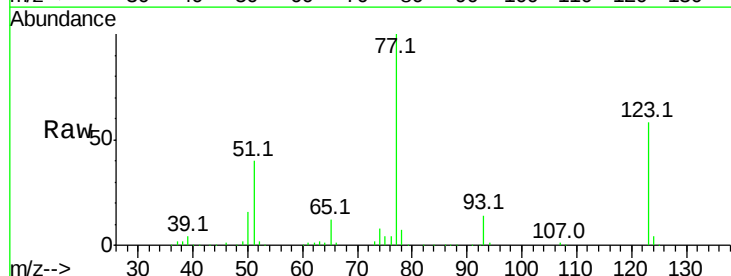
RT: 7.48 min Scan# 472

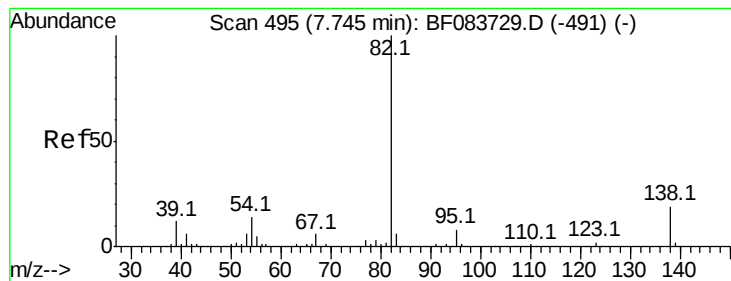
Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	77	Resp:	338089
Ion Ratio	Lower	Upper	
77	100		
123	58.3	29.8	44.6#
65	12.5	11.1	16.7





#25

Isophorone

Concen: 43.11 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

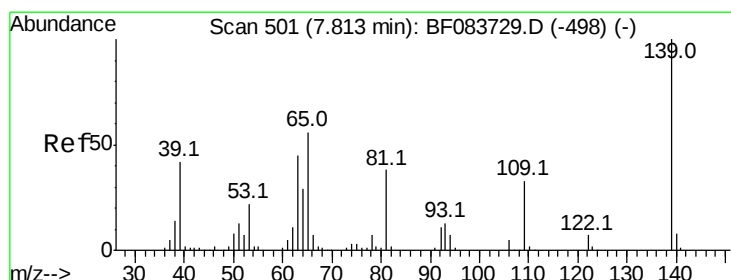
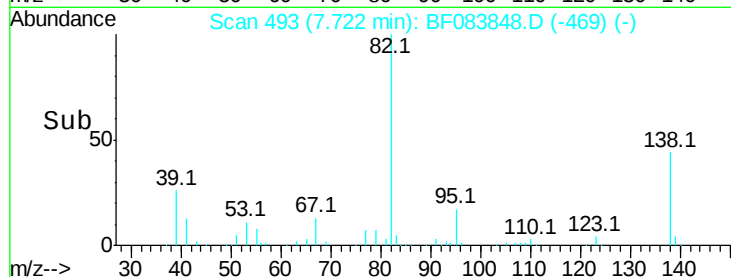
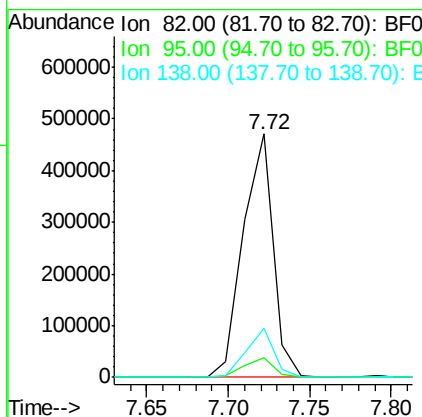
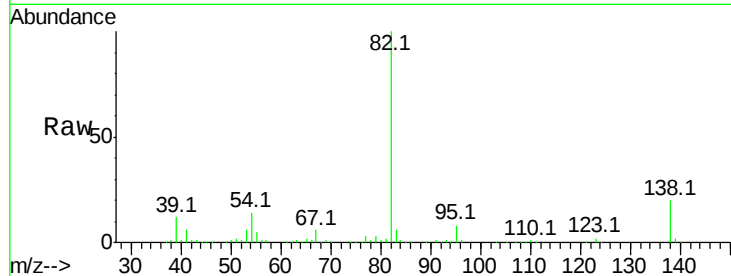
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	82	Resp:	600891
Ion Ratio	Lower	Upper	
82	100		
95	7.9	5.0	7.4#
138	20.3	12.1	18.1#

Manual Integrations
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MMdadoda
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#26

2-Nitrophenol

Concen: 45.61 ng

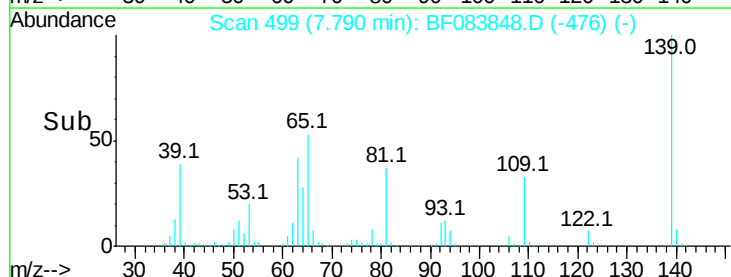
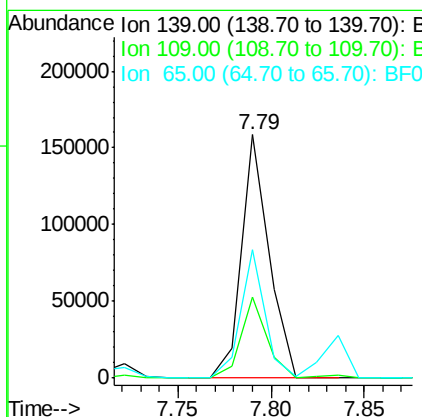
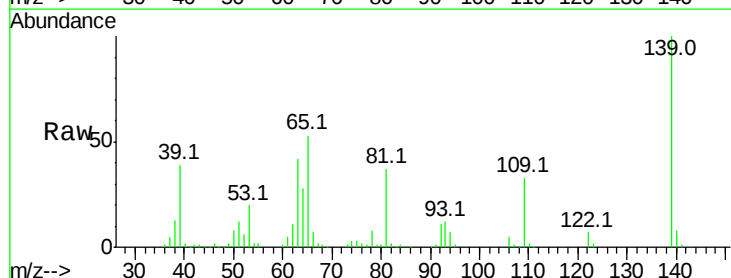
RT: 7.79 min Scan# 499

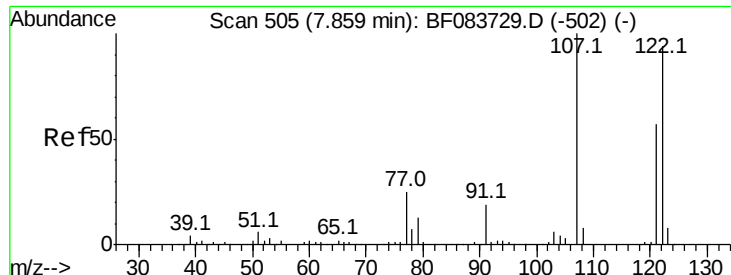
Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	139	Resp:	161991
Ion Ratio	Lower	Upper	
139	100		
109	33.1	22.7	34.1
65	52.7	51.8	77.8





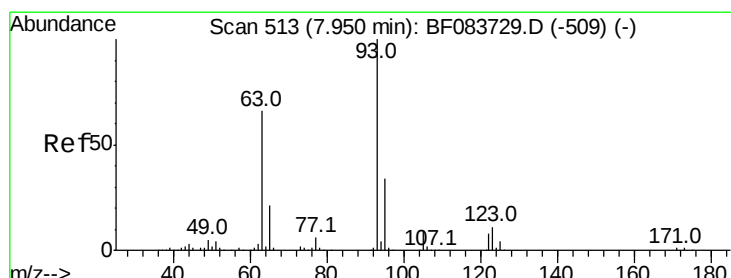
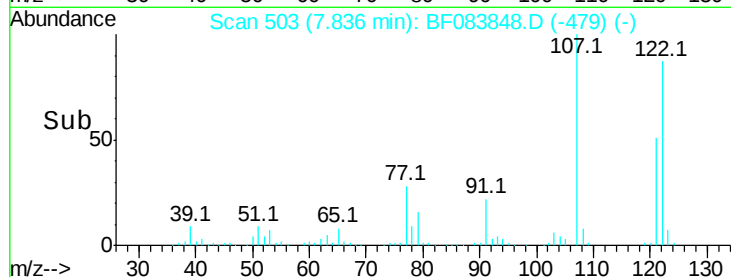
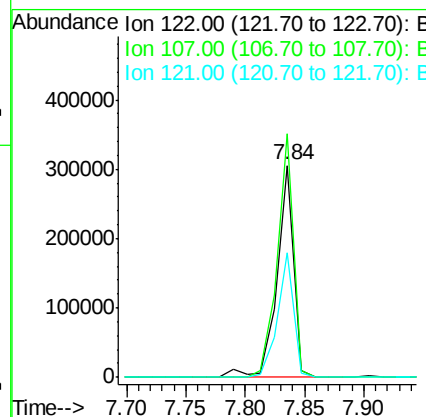
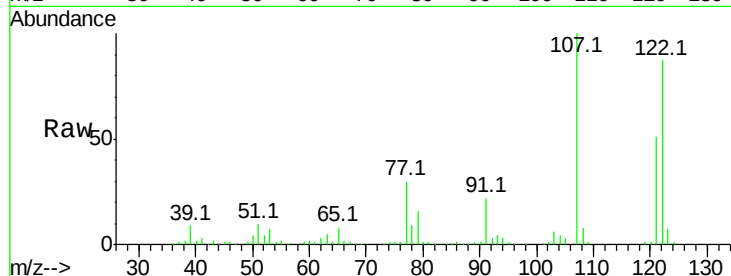
#27
 2,4-Dimethylphenol
 Concen: 43.18 ng
 RT: 7.84 min Scan# 503
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	301354		
107	114.8	92.4	138.6	
121	58.6	45.8	68.6	

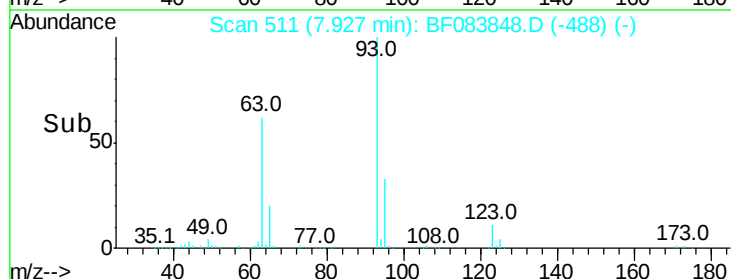
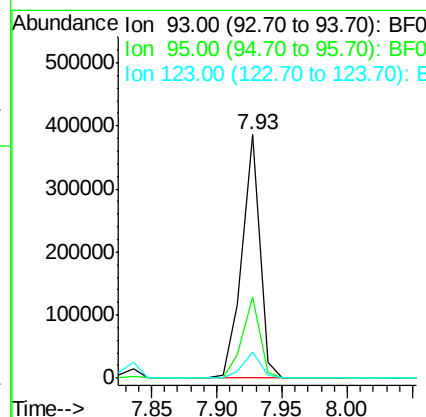
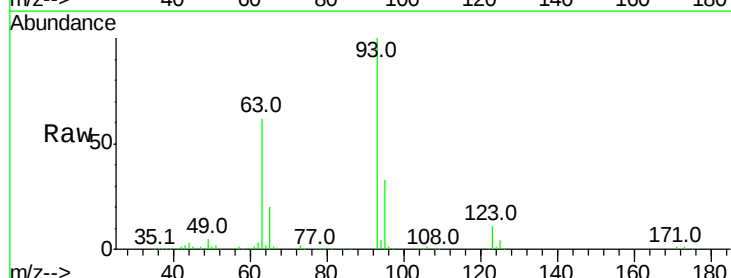
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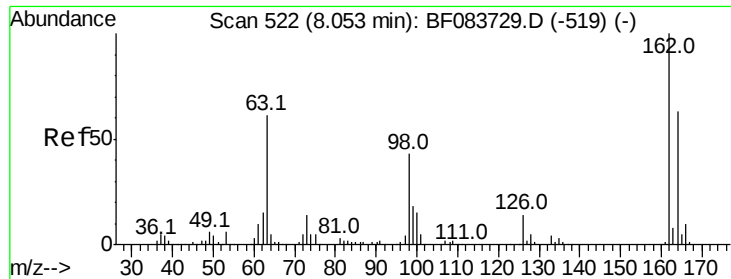
MMdadoda
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#28
 bis(2-Chloroethoxy)methane
 Concen: 46.00 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	365831		
95	33.4	25.6	38.4	
123	10.9	7.3	10.9#	





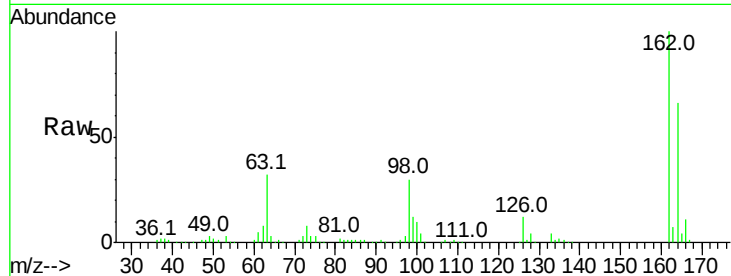
#29
 2,4-Dichlorophenol
 Concen: 48.80 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

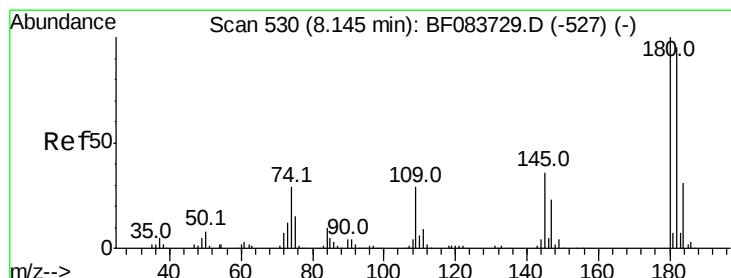
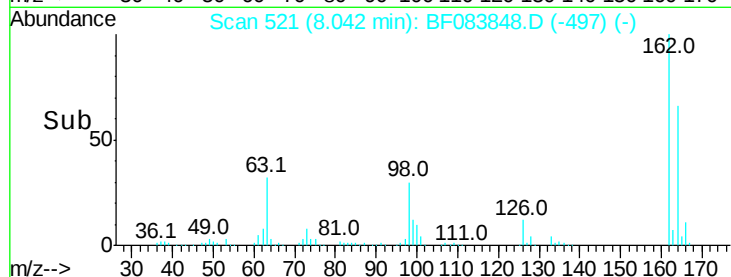
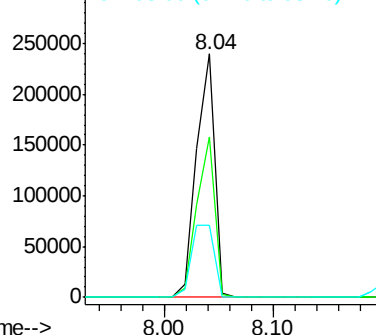
Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	66.1	43.4	83.4
98	29.7	17.5	57.5

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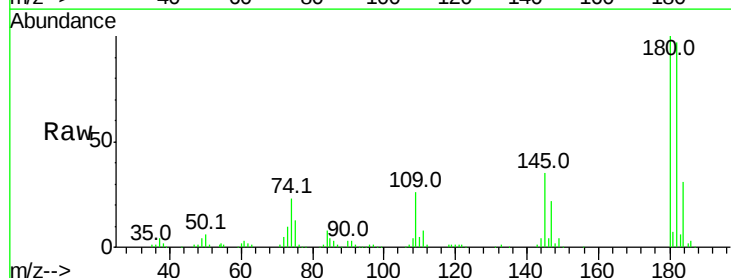


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

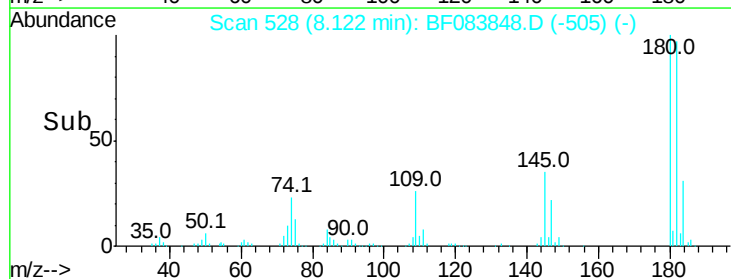
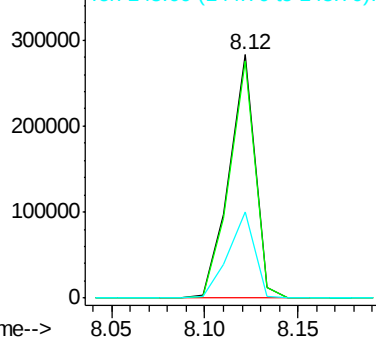


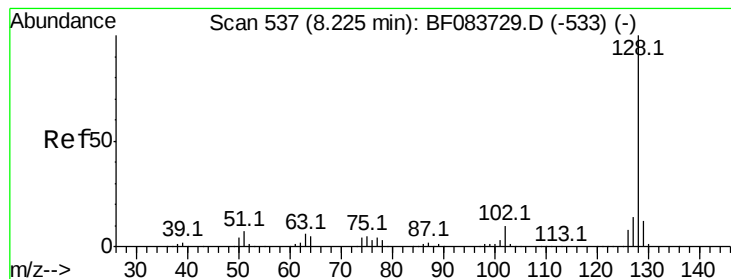
#30
 1,2,4-Trichlorobenzene
 Concen: 45.64 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.4	74.9	112.3
145	35.1	24.7	37.1



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 46.66 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

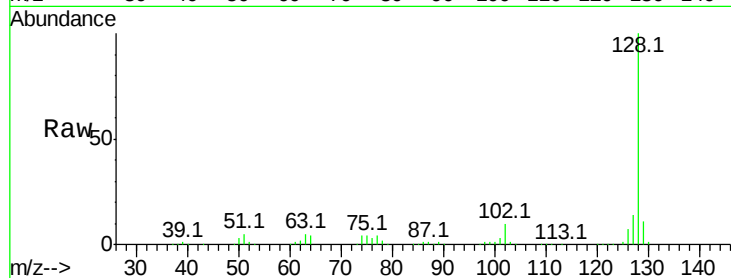
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

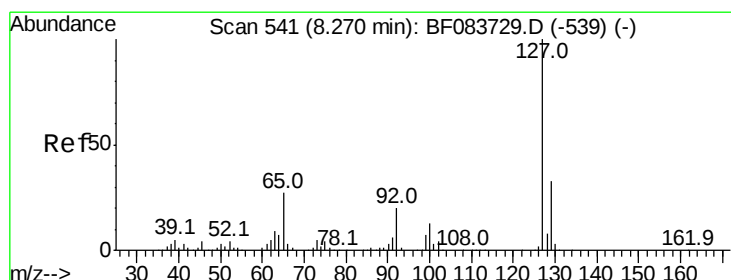
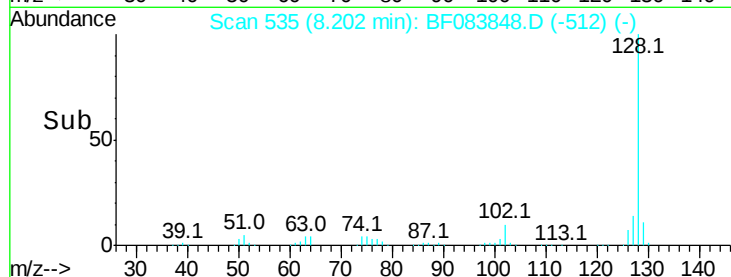
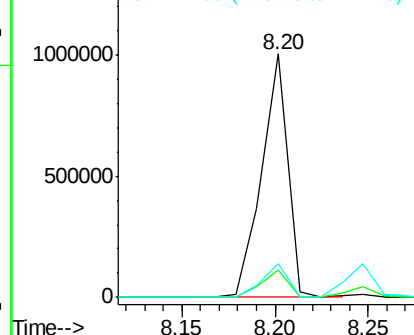
Tot Ion:	128	Resp:	966747
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	13.0
127	13.8	10.6	16.0

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 17.76 ng

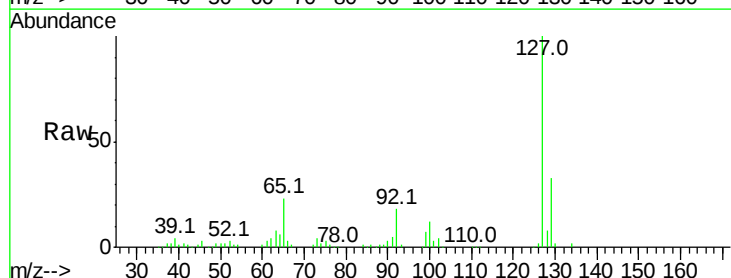
RT: 8.25 min Scan# 539

Delta R.T. -0.02 min

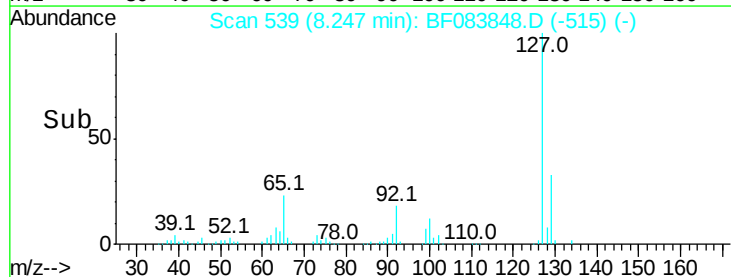
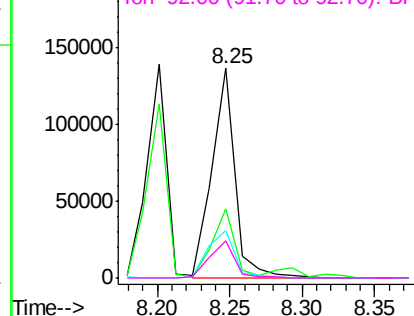
Lab File: BF083848.D

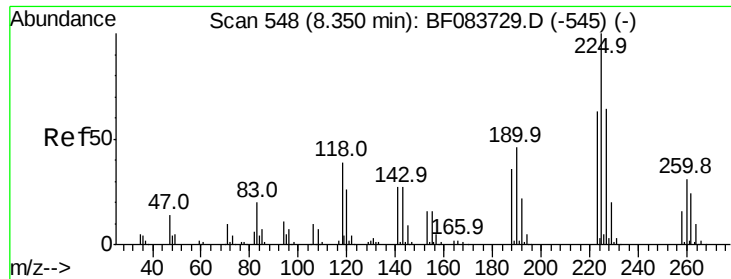
Acq: 16 Dec 2015 15:13

Tgt Ion:	127	Resp:	150291
Ion Ratio	Lower	Upper	
127	100		
129	33.1	26.1	39.1
65	22.7	33.5	50.3#
92	17.6	18.6	28.0#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0





#34

Hexachlorobutadiene

Concen: 46.71 ng

RT: 8.33 min Scan# 546

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

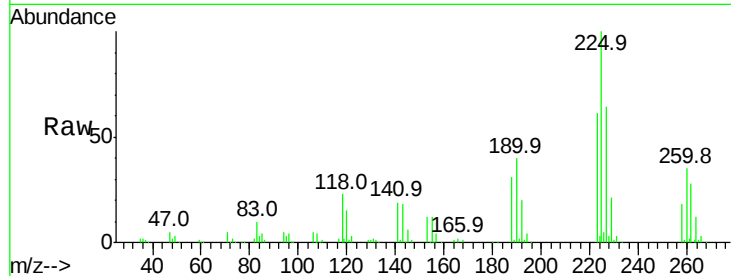
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

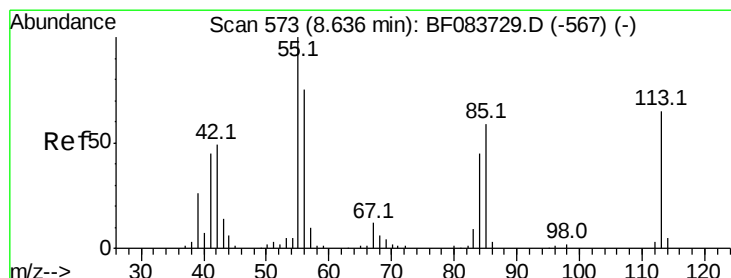
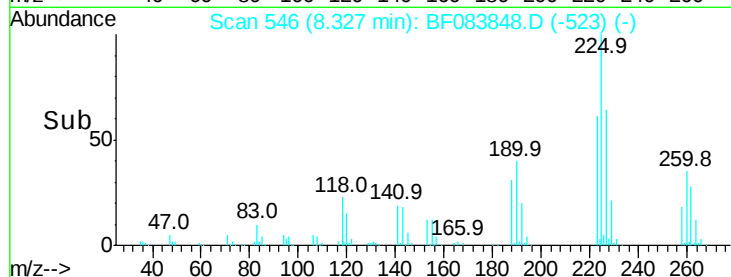
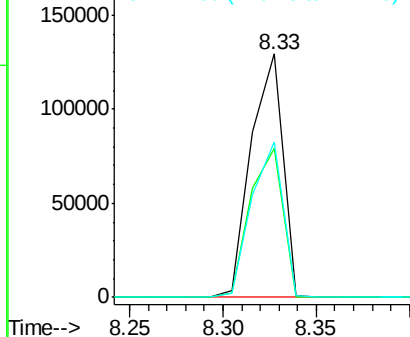
Tot Ion:	225	Resp:	152277
Ion Ratio		Lower	Upper
225	100		
223	61.1	52.3	78.5
227	63.9	50.4	75.6

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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#35

Caprolactam

Concen: 49.09 ng m

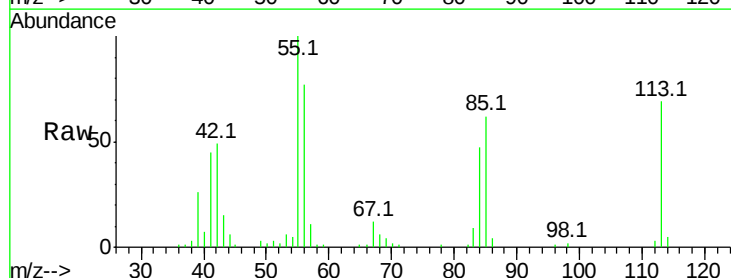
RT: 8.61 min Scan# 571

Delta R.T. -0.02 min

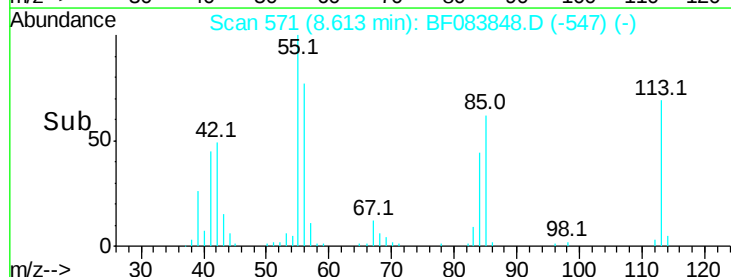
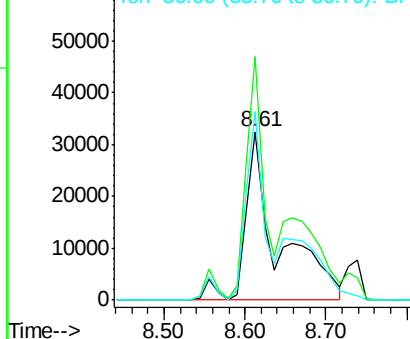
Lab File: BF083848.D

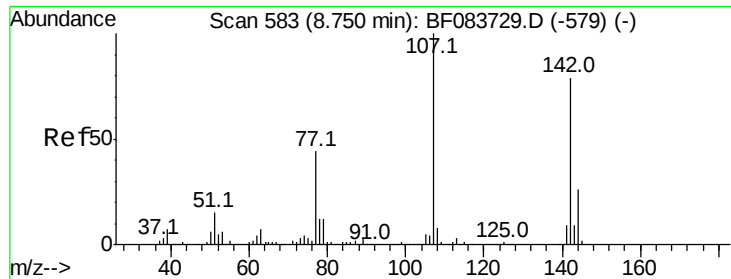
Acq: 16 Dec 2015 15:13

Tgt Ion:	113	Resp:	90312
Ion Ratio		Lower	Upper
113	100		
55	144.3	189.7	229.7#
56	111.8	130.7	170.7#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





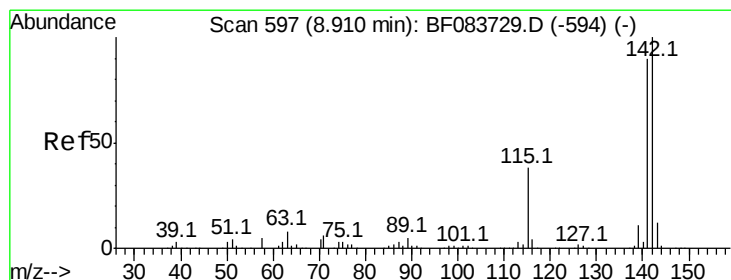
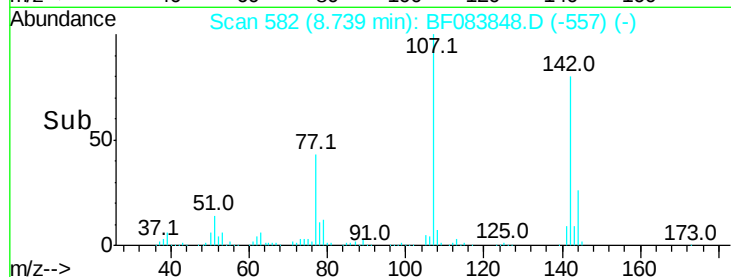
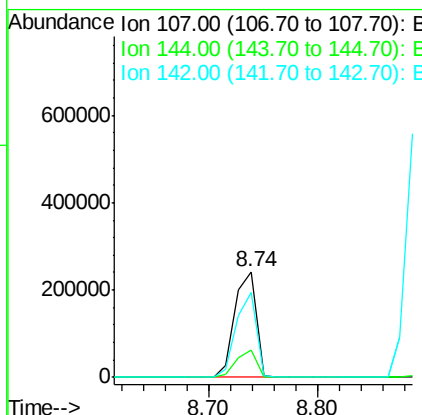
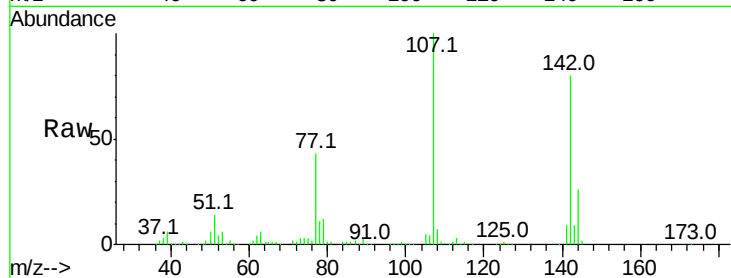
#36
4-Chloro-3-methylphenol
Concen: 48.93 ng
RT: 8.74 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.2	17.5	26.3
142	79.7	53.6	80.4

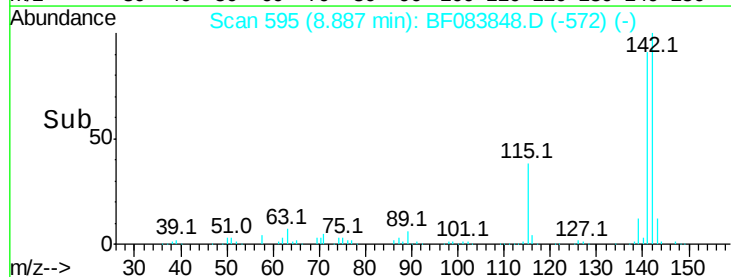
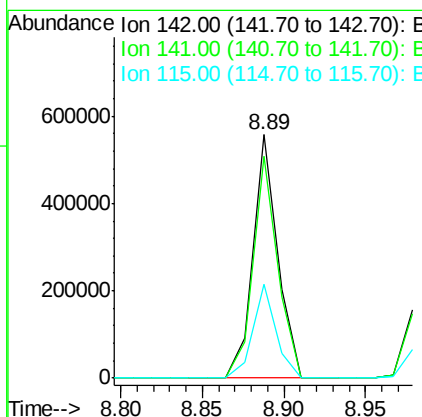
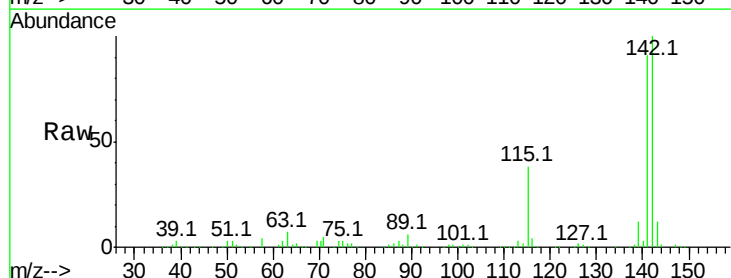
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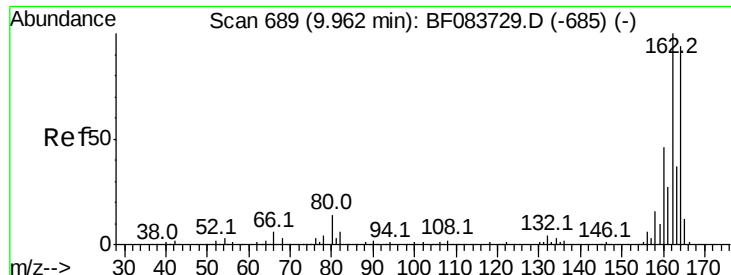
MMdadoda
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#37
2-Methylnaphthalene
Concen: 45.13 ng
RT: 8.89 min Scan# 595
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.3	105.5
115	38.4	29.2	43.8





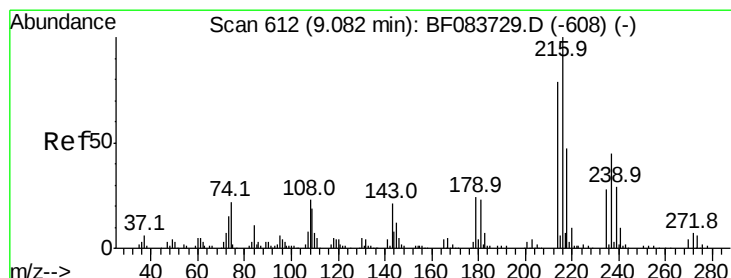
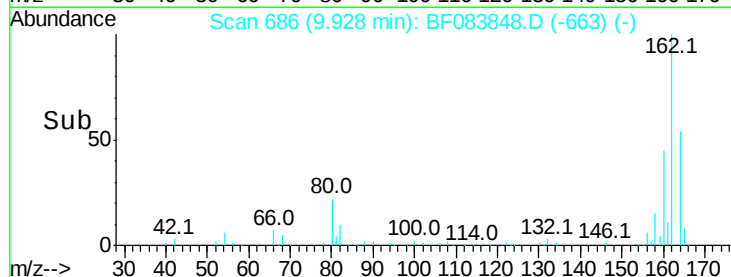
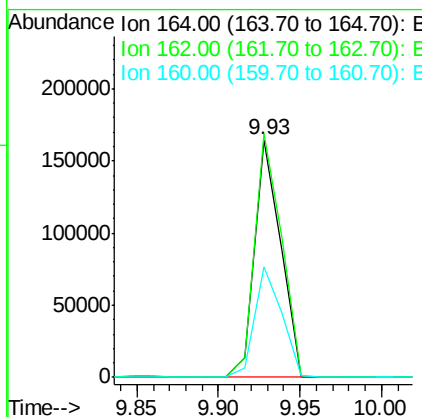
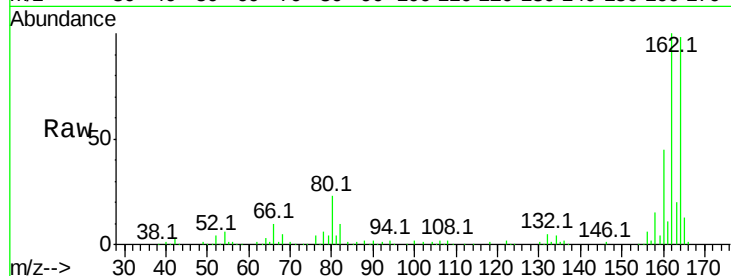
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	78.8	118.2	
160	46.4	33.4	50.2	

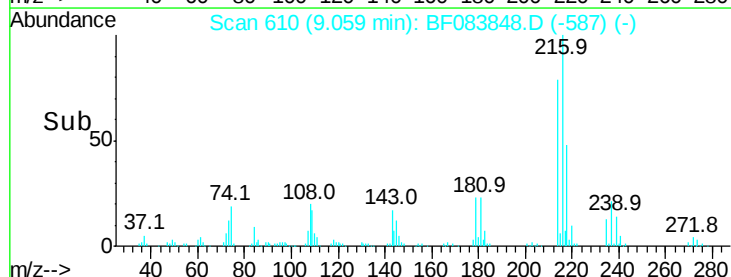
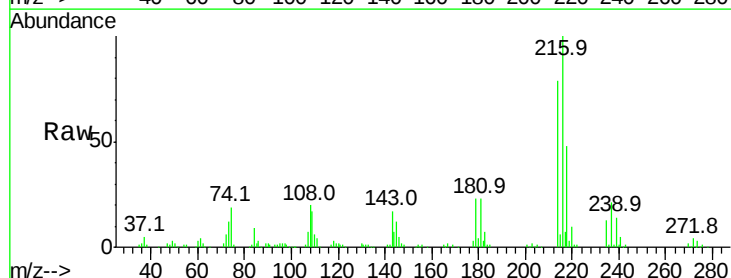
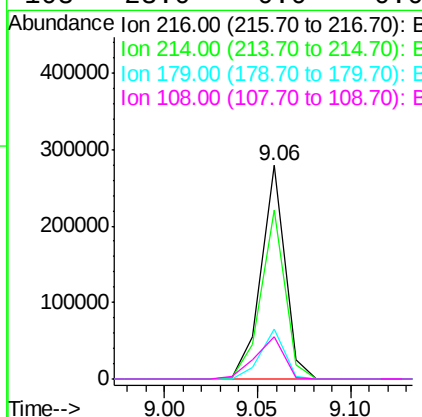
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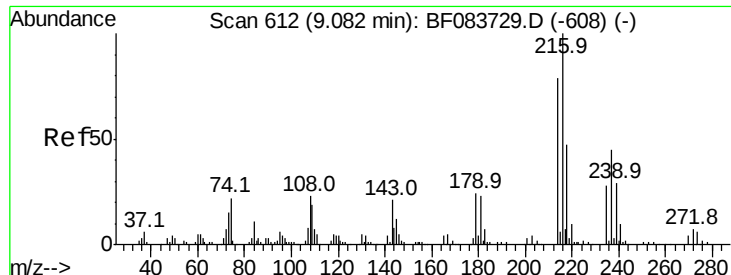
MMdadoda
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#39
1,2,4,5-Tetrachlorobenzene
Concen: 46.02 ng
RT: 9.06 min Scan# 610
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	0.0	0.0#	
179	23.3	0.0	0.0#	
108	23.0	0.0	0.0#	





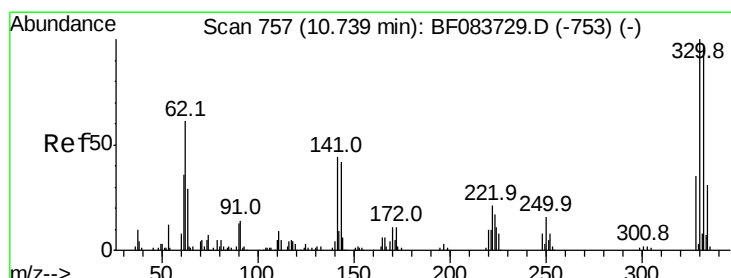
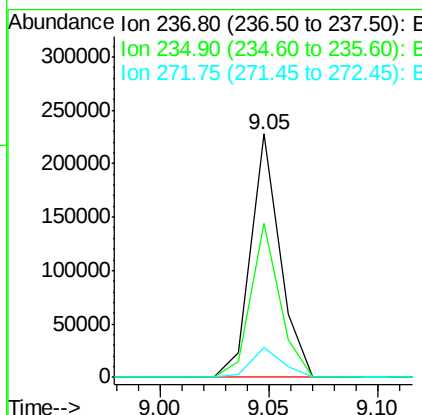
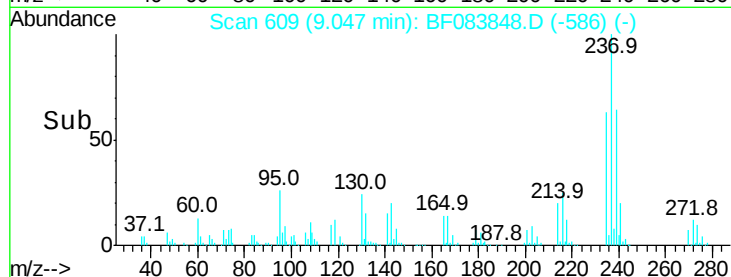
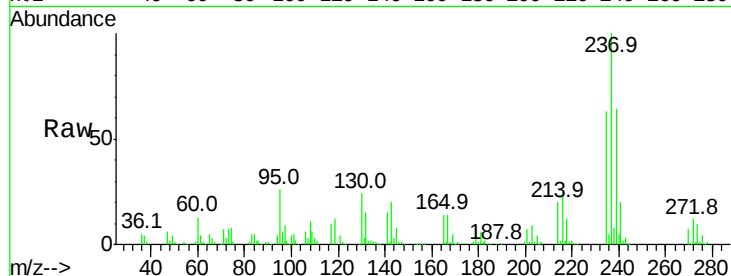
#40
Hexachlorocyclopentadiene
Concen: 77.54 ng
RT: 9.05 min Scan# 609
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	63.3	43.9	83.9
272	12.2	0.0	31.8

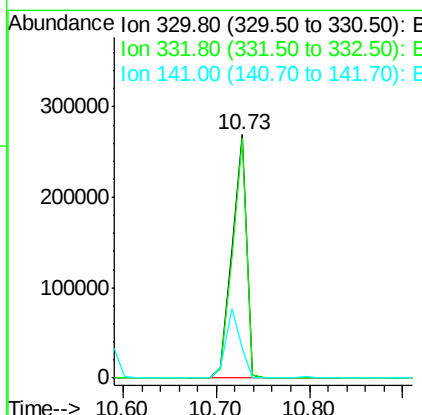
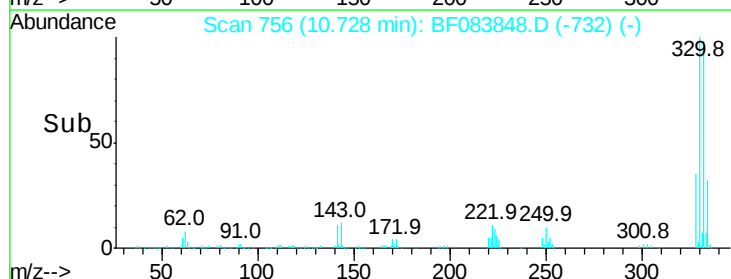
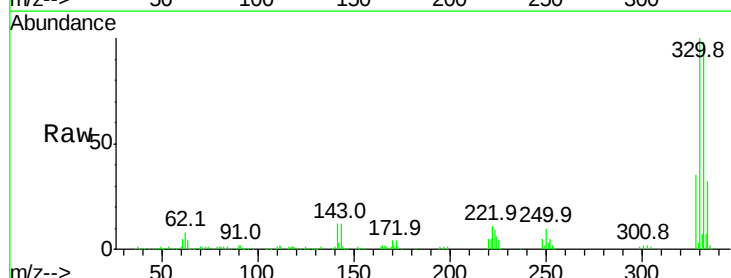
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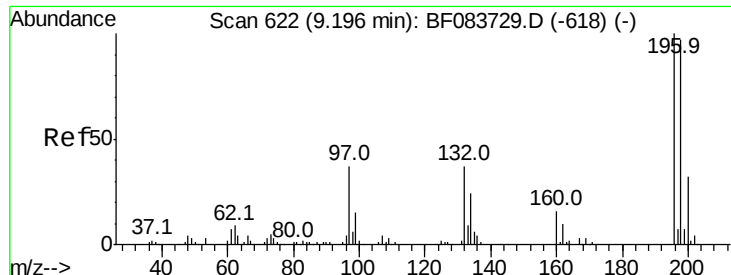
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#41
2,4,6-Tribromophenol
Concen: 157.94 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	29.0	0.0	0.0#





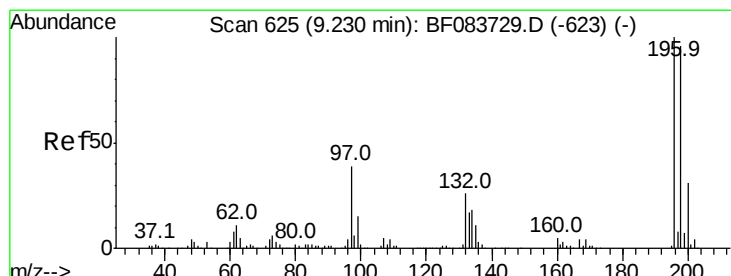
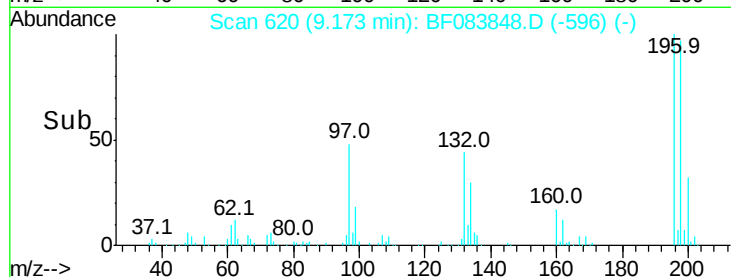
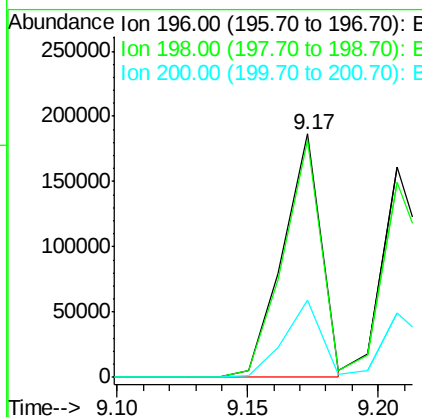
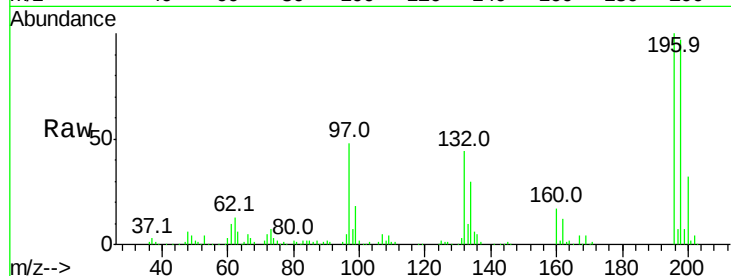
#42
 2,4,6-Trichlorophenol
 Concen: 47.84 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	189466		
198	97.3	75.2	112.8	
200	31.6	23.0	34.6	

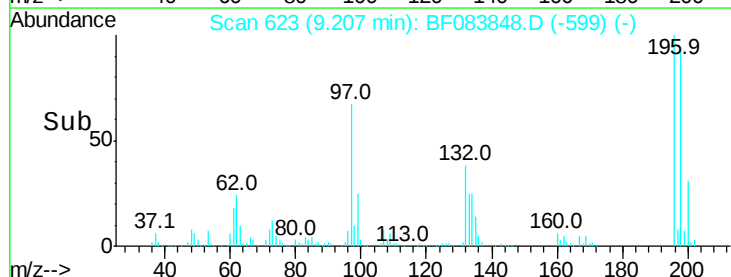
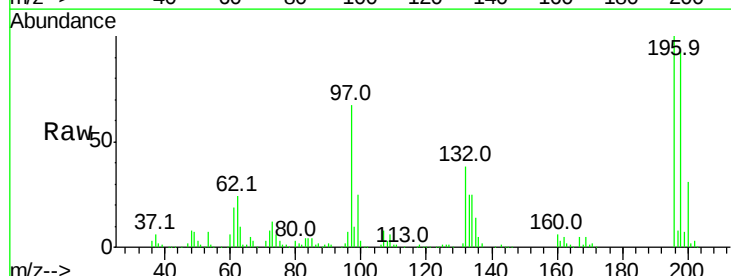
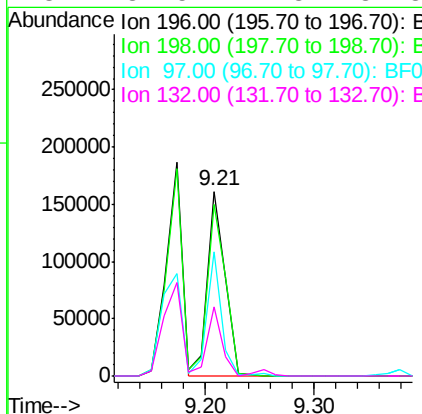
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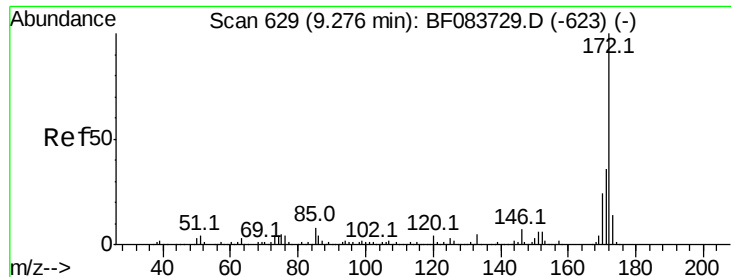
MMdadoda
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#43
 2,4,5-Trichlorophenol
 Concen: 49.15 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	184638		
198	92.9	77.7	116.5	
97	67.0	41.2	61.8#	
132	37.5	21.8	32.8#	





#44

2-Fluorobiphenyl

Concen: 80.16 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:172 Resp: 1021018

Ion Ratio Lower Upper

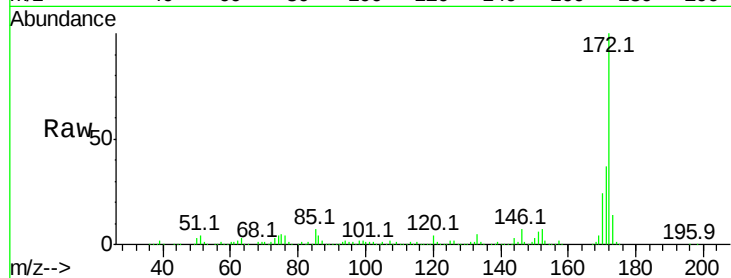
172 100

171 37.0 28.6 42.8

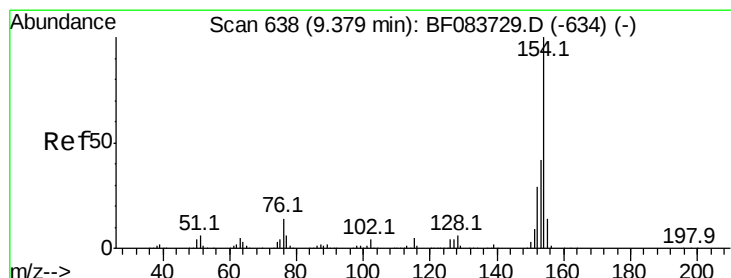
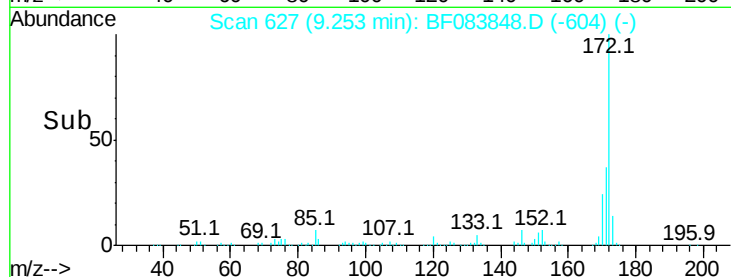
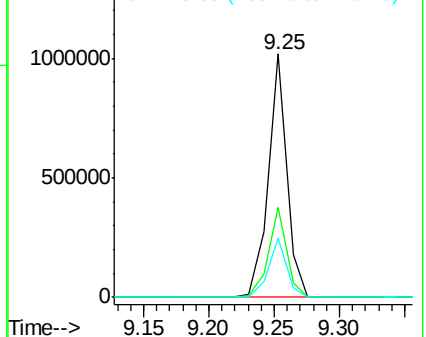
170 24.4 19.4 29.0

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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 45.98 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

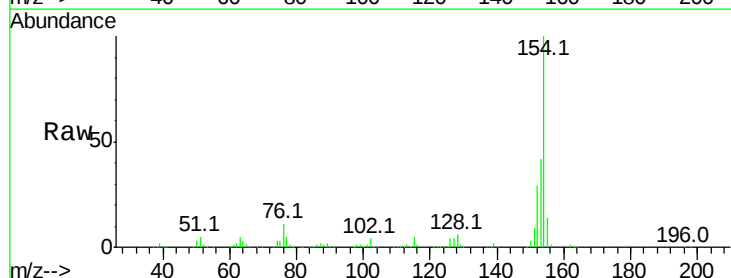
Tgt Ion:154 Resp: 747311

Ion Ratio Lower Upper

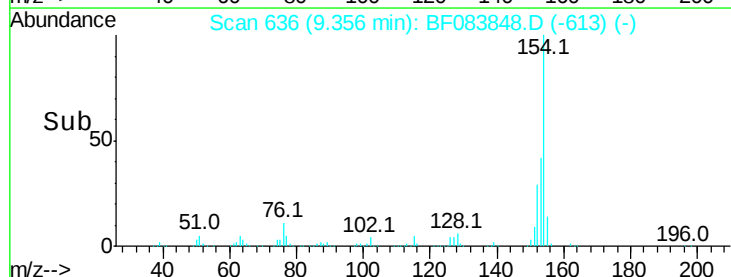
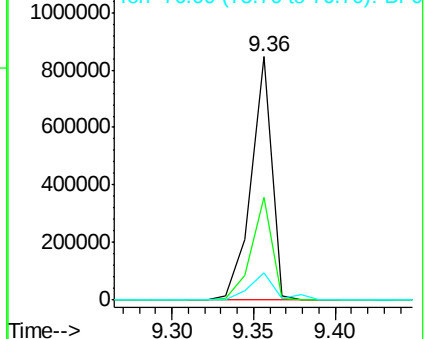
154 100

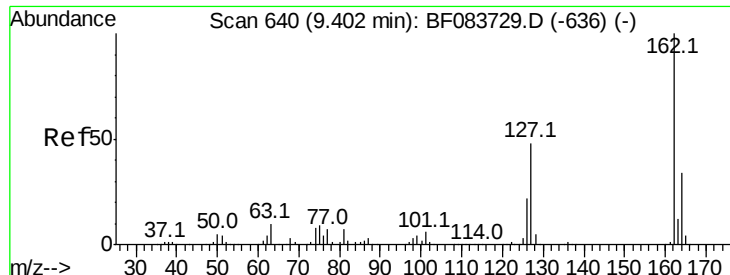
153 42.2 20.2 60.2

76 11.4 0.0 34.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0





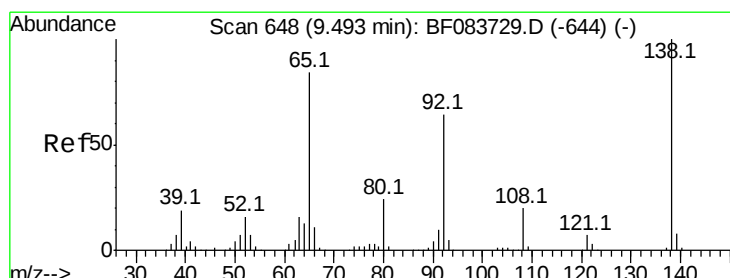
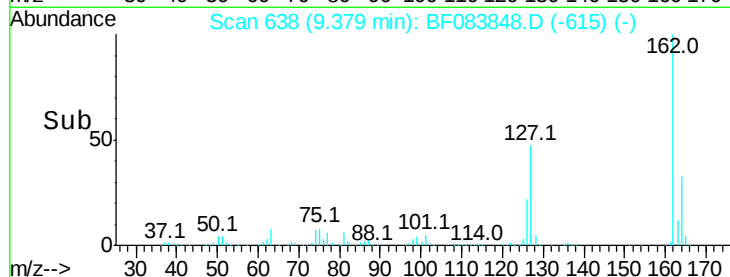
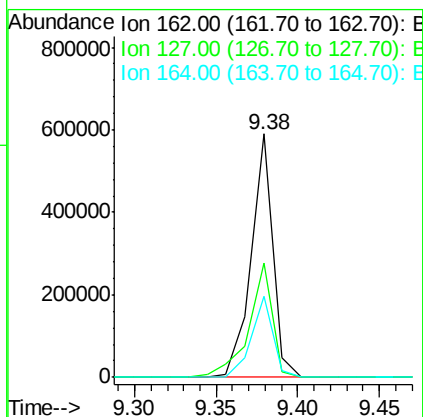
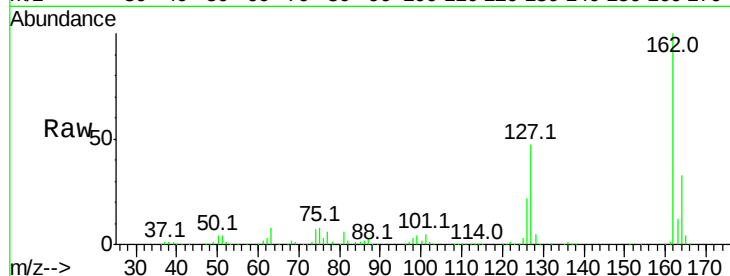
#46
2-Chloronaphthalene
Concen: 45.31 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	47.2	31.0	46.4#
164	33.3	27.4	41.0

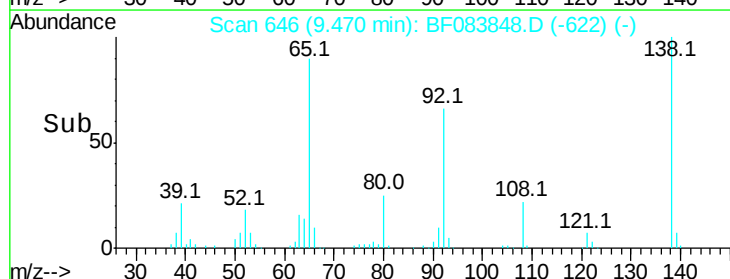
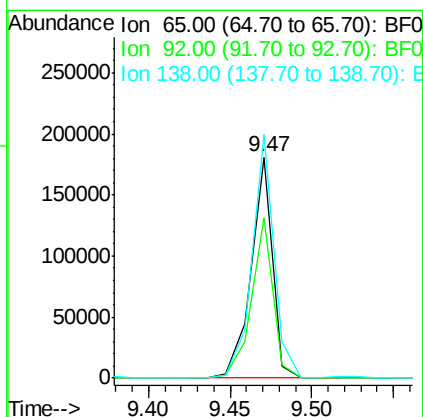
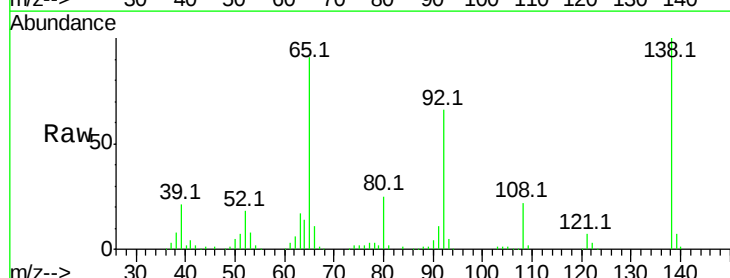
Manual Integrations
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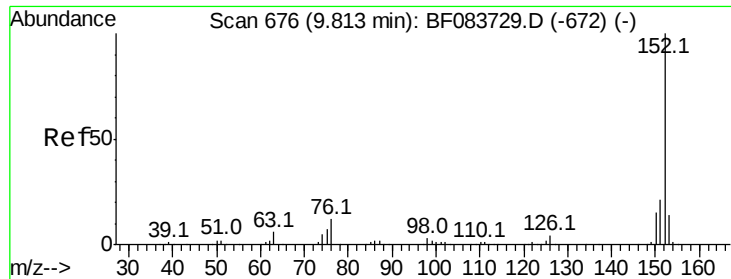
MMdadoda
12/17/2015 5:34:12 PM



#47
2-Nitroaniline
Concen: 48.07 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	72.6	49.6	74.4
138	110.3	64.1	96.1#





#48

Acenaphthylene

Concen: 43.22 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

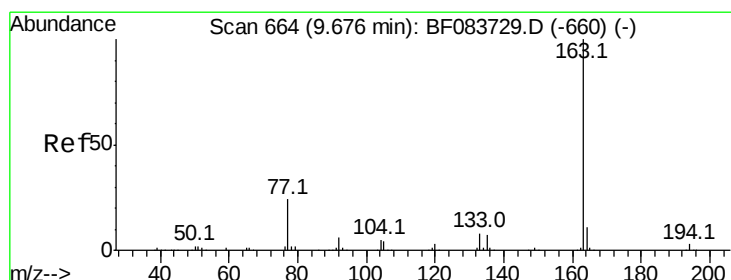
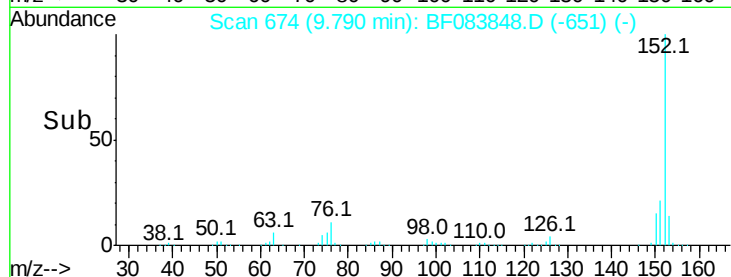
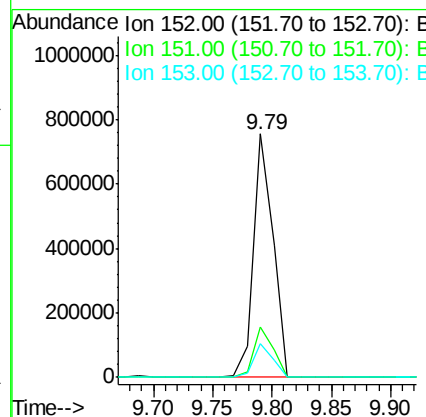
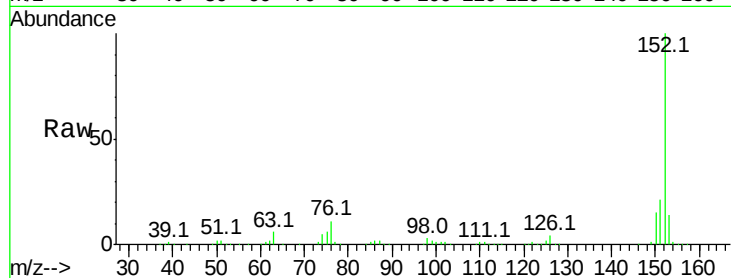
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.7	10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 63.90 ng

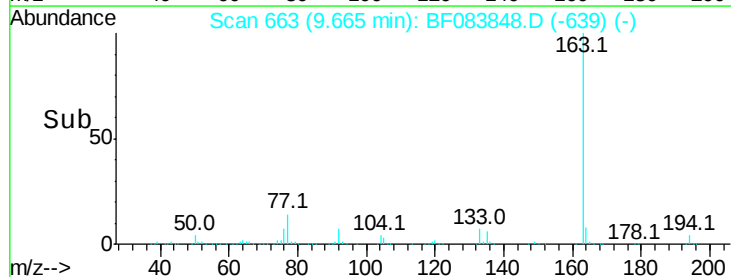
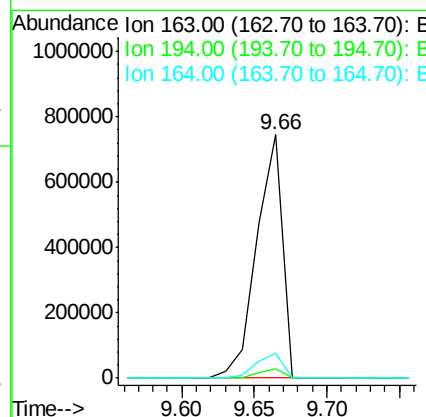
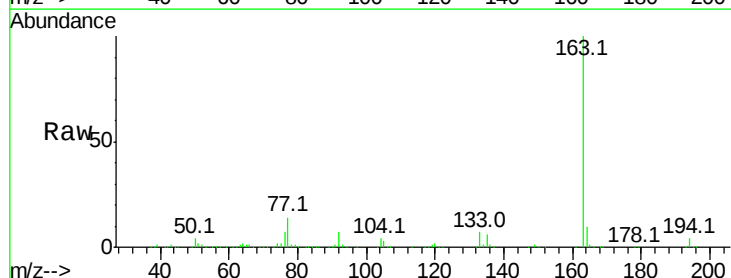
RT: 9.66 min Scan# 663

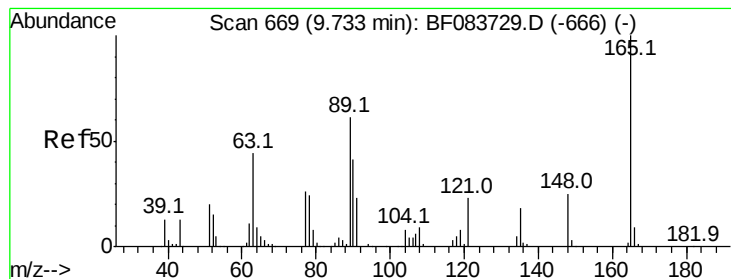
Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.9	8.6	13.0





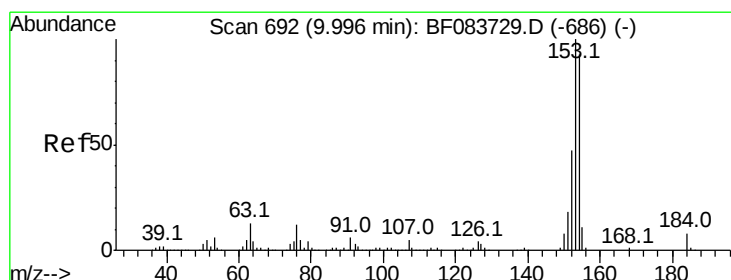
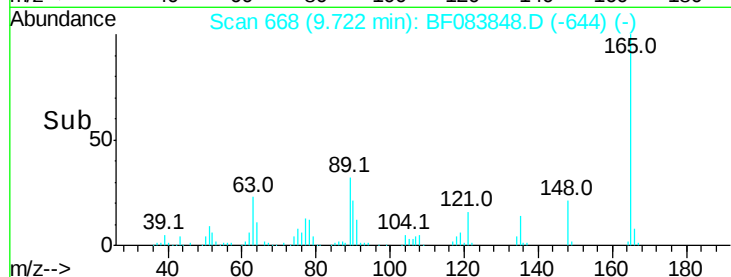
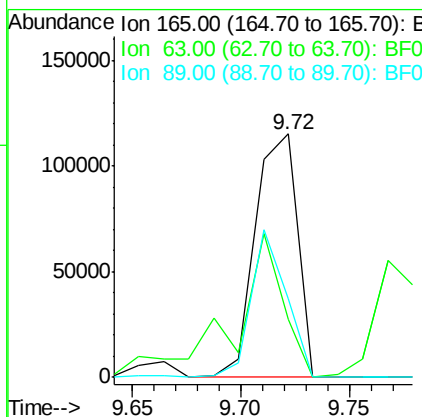
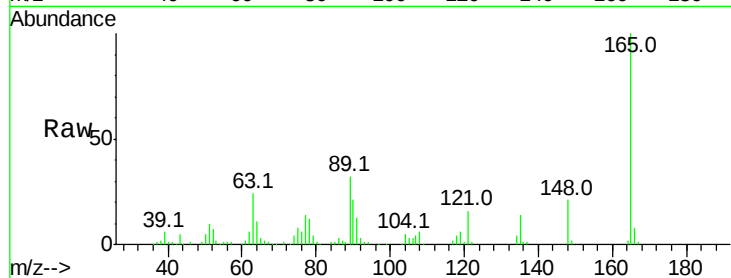
#50
 2,6-Dinitrotoluene
 Concen: 51.54 ng
 RT: 9.72 min Scan# 668
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	156391		
63	24.0	56.9	85.3#	
89	32.5	52.1	78.1#	

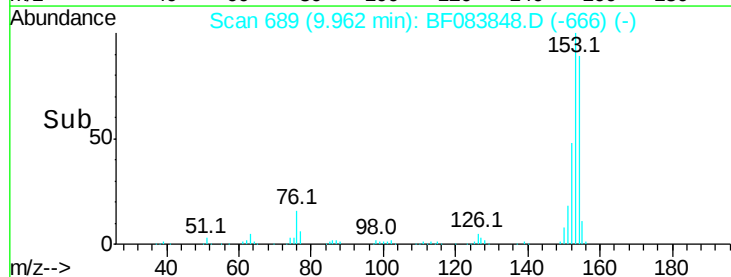
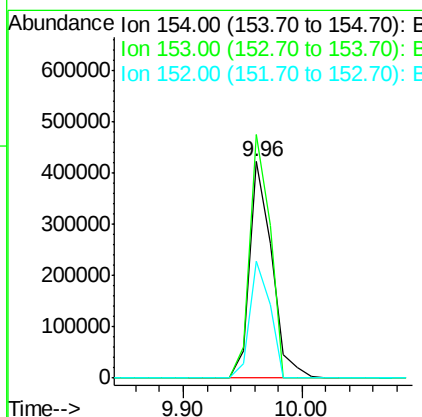
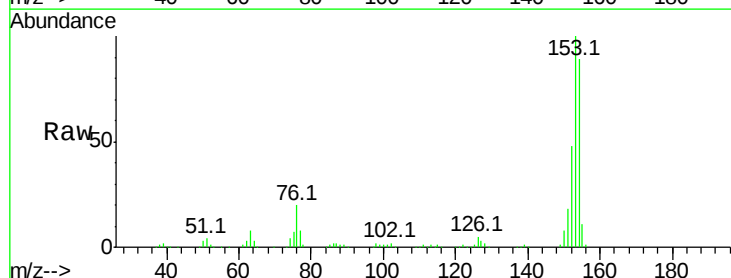
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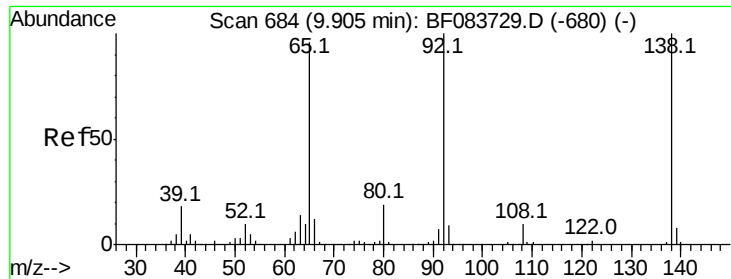
MMdadoda
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#51
 Acenaphthene
 Concen: 45.65 ng
 RT: 9.96 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	557044		
153	112.7	91.4	137.0	
152	53.9	43.4	65.2	





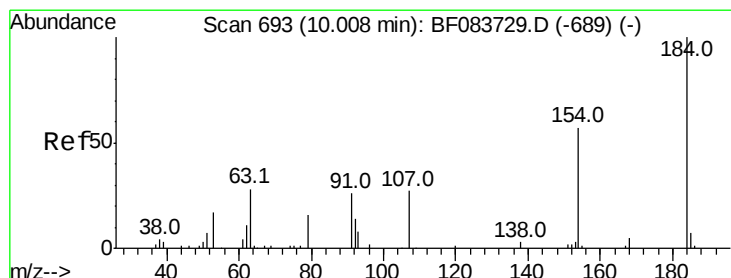
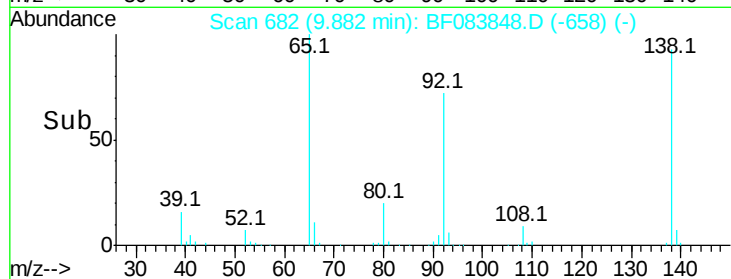
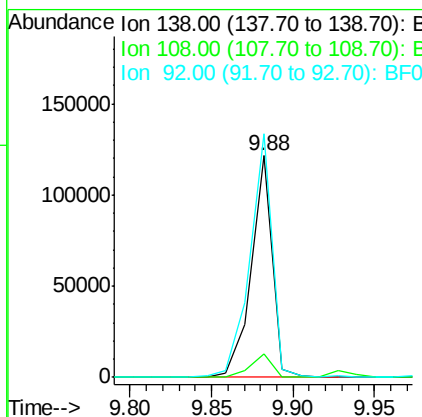
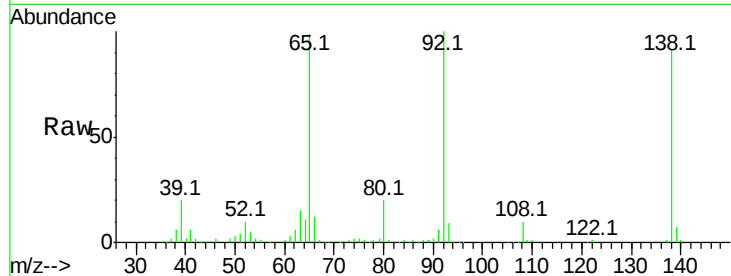
#52
 3-Nitroaniline
 Concen: 31.07 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.9	14.9
92	110.0	113.8	170.8#

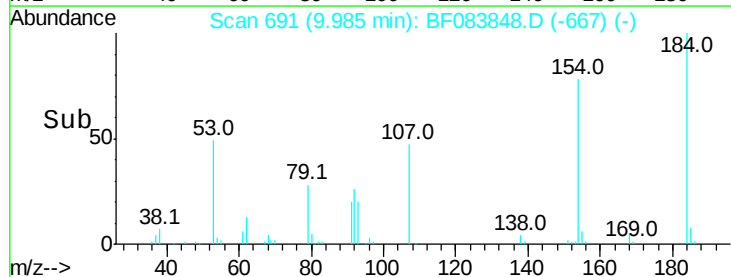
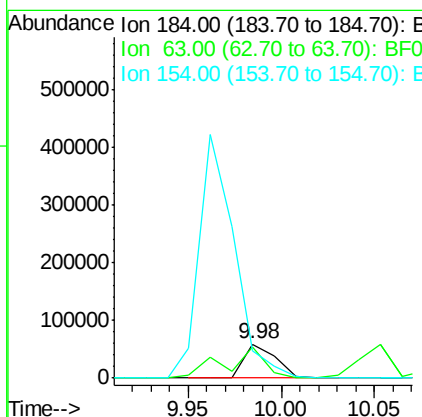
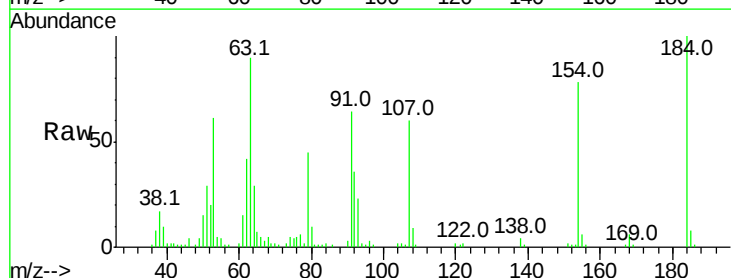
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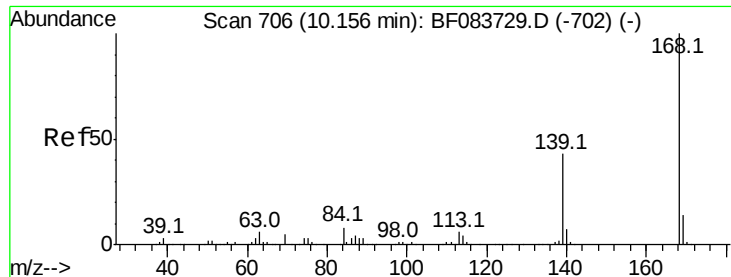
MMdadoda
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#53
 2,4-Dinitrophenol
 Concen: 52.48 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
184	100		
63	90.2	62.4	93.6
154	78.5	46.6	69.8#





#54

Dibenzofuran

Concen: 48.72 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

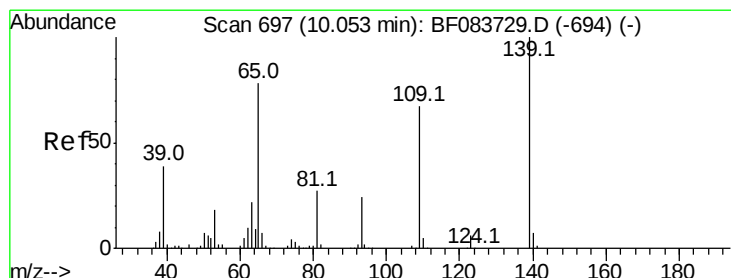
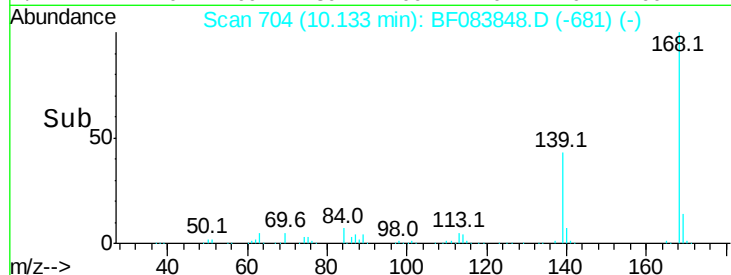
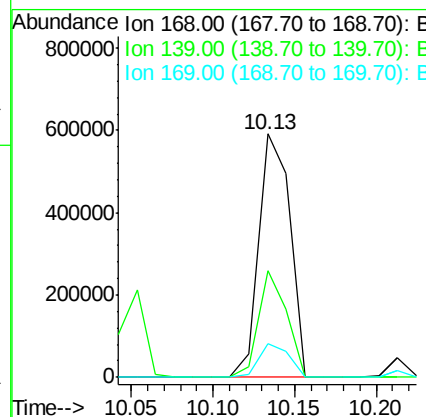
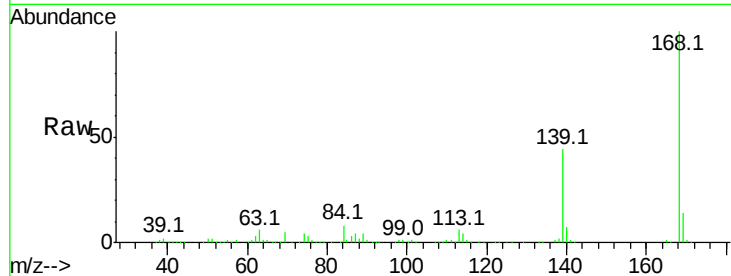
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	168	Resp:	787787
Ion Ratio	Lower	Upper	
168	100		
139	43.8	28.0	42.0#
169	14.0	10.8	16.2

Manual Integrations
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#55

4-Nitrophenol

Concen: 90.54 ng

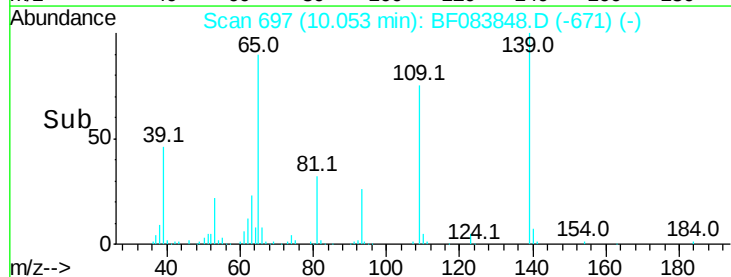
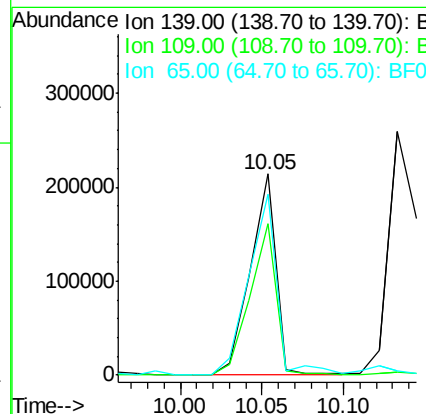
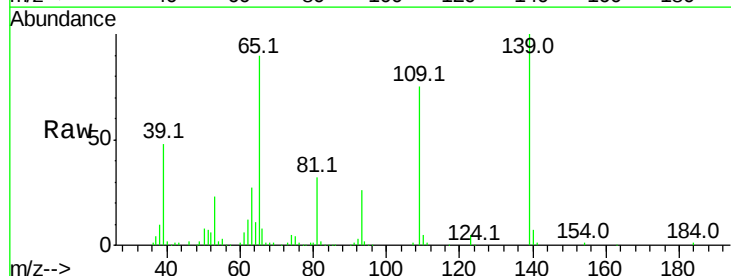
RT: 10.05 min Scan# 697

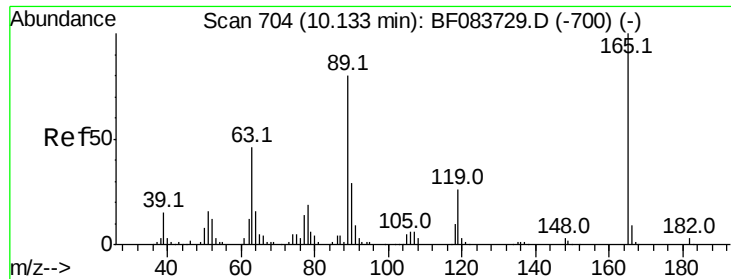
Delta R.T. 0.00 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	139	Resp:	234555
Ion Ratio	Lower	Upper	
139	100		
109	75.1	42.0	82.0
65	90.3	89.2	129.2





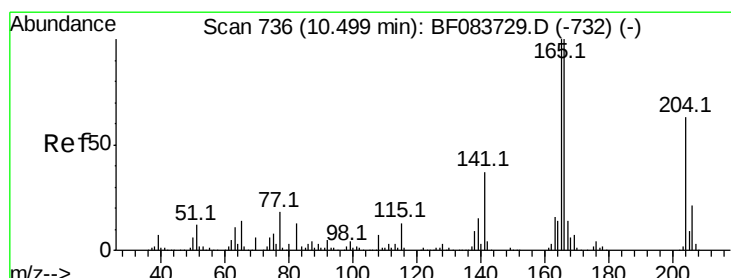
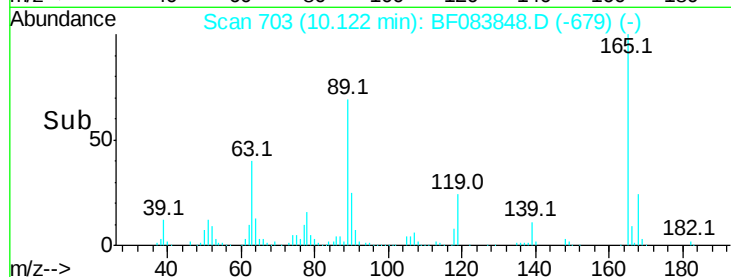
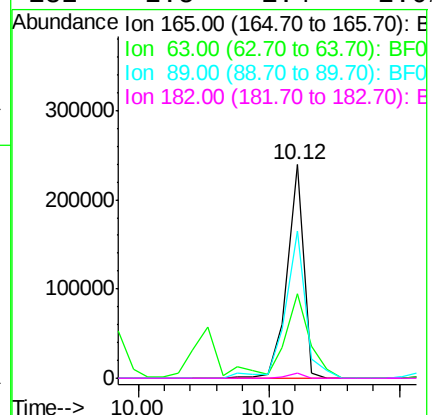
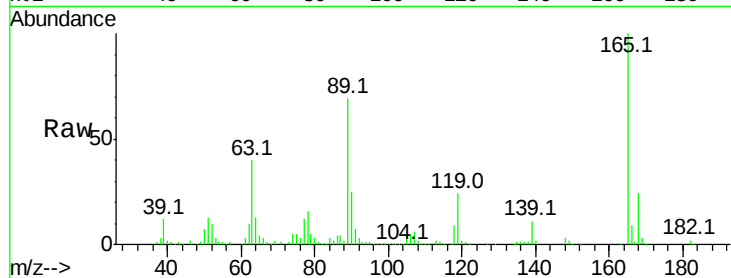
#56
2,4-Dinitrotoluene
Concen: 53.92 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	213760		
63	39.8	51.4	77.2#	
89	68.9	72.6	108.8#	
182	2.5	1.4	2.0#	

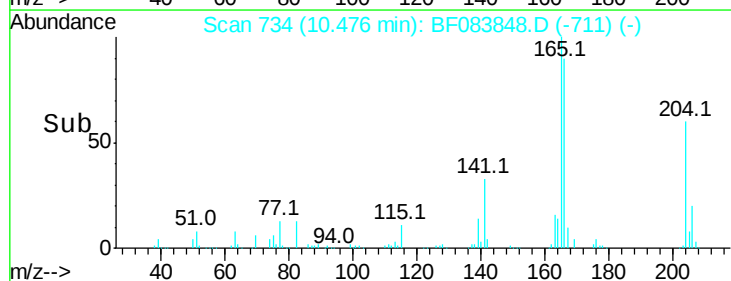
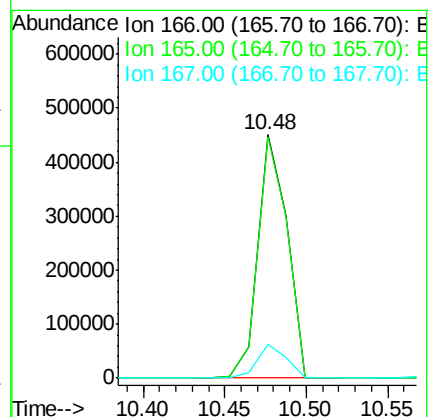
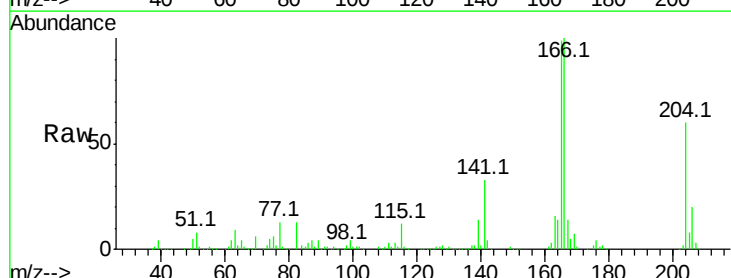
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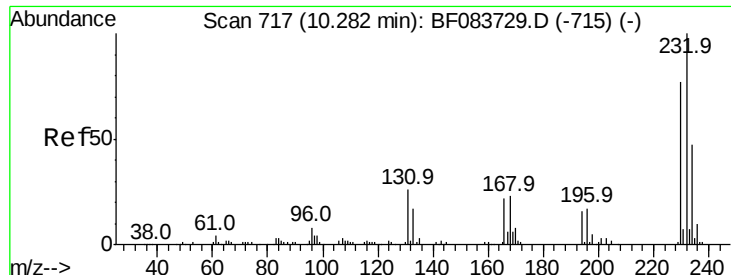
MMdadoda
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#57
Fluorene
Concen: 43.94 ng
RT: 10.48 min Scan# 734
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	559537		
165	99.2	80.0	120.0	
167	14.1	10.6	16.0	





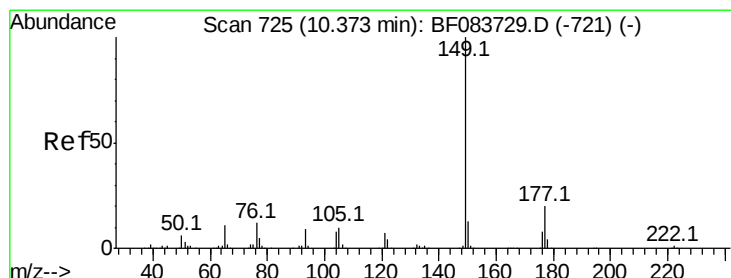
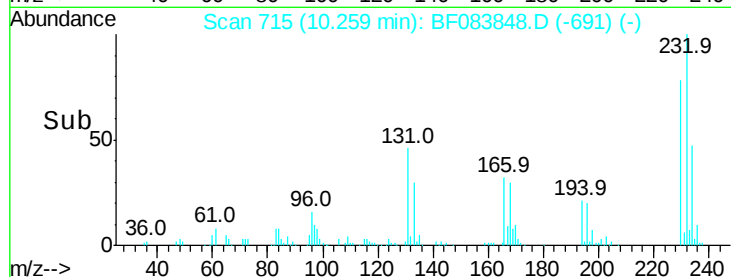
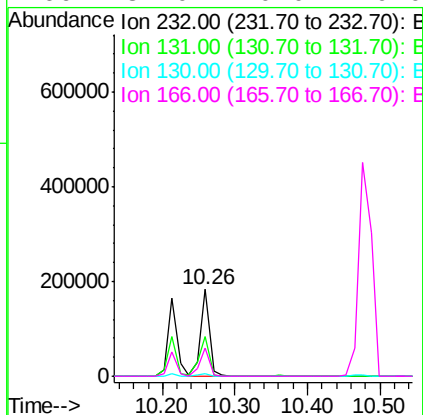
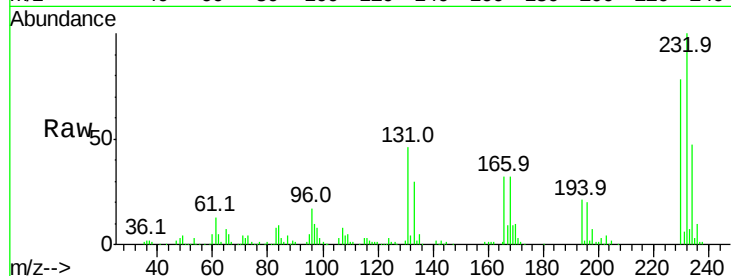
#58
2,3,4,6-Tetrachlorophenol
Concen: 56.57 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
232	100		
131	50.9	0.0	0.0#
130	2.6	0.0	0.0#
166	34.0	0.0	0.0#

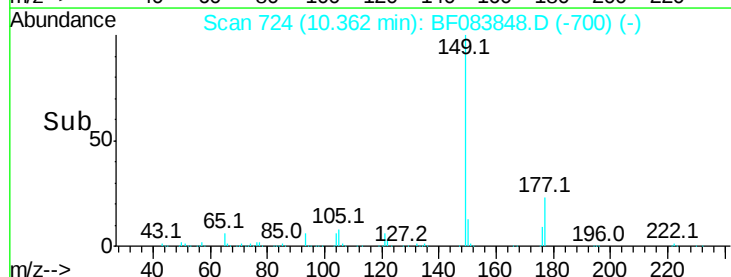
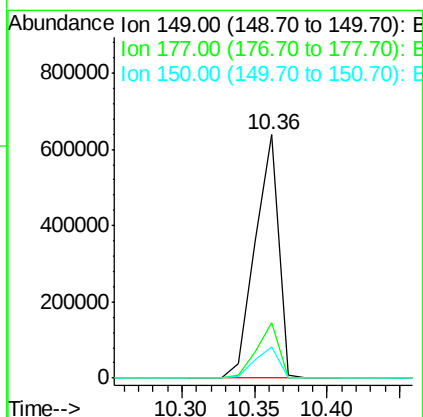
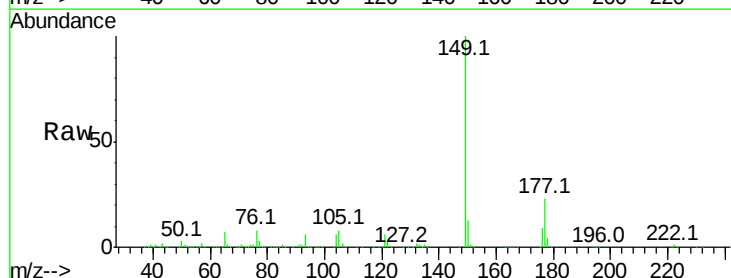
Manual Integrations
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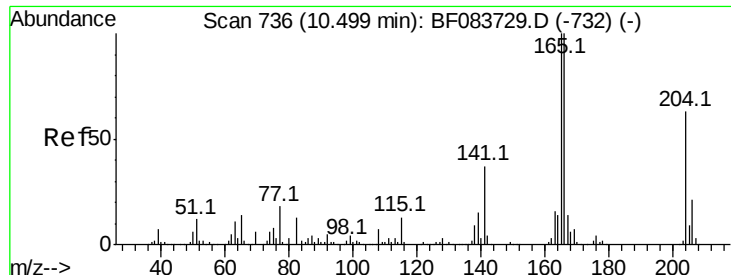
MMdadoda
12/17/2015 5:34:12 PM



#59
Diethylphthalate
Concen: 49.38 ng
RT: 10.36 min Scan# 724
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
177	22.6	16.9	25.3
150	12.7	10.2	15.4





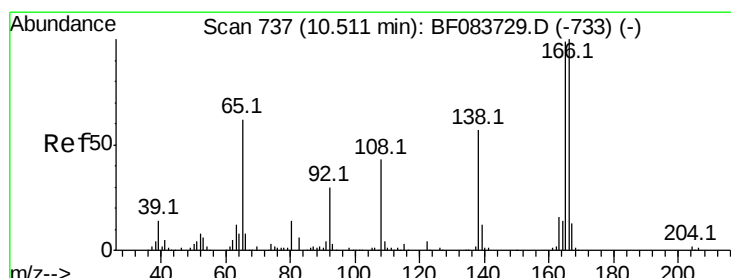
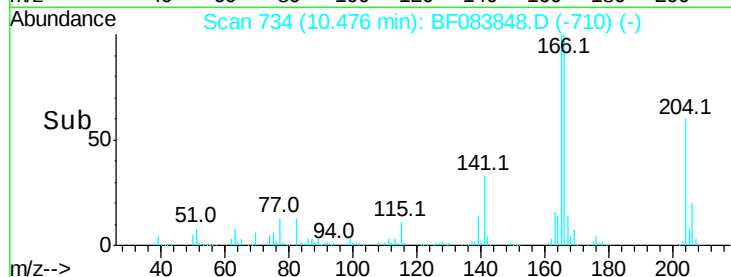
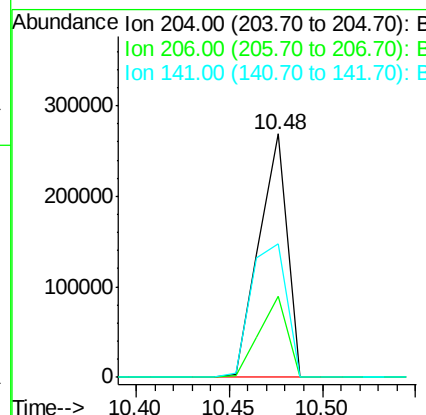
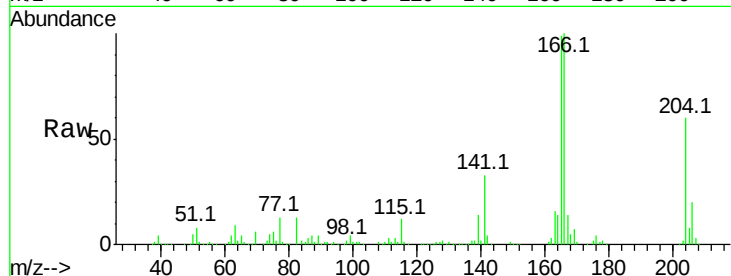
#60
 4-Chlorophenyl-phenylether
 Concen: 48.36 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.3	40.9
141	55.1	51.9	77.9

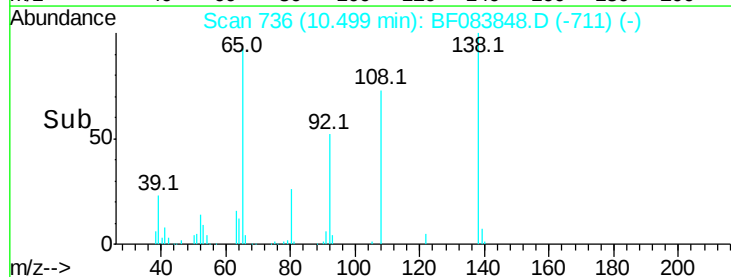
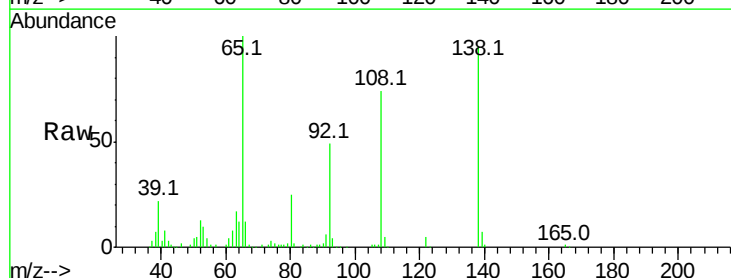
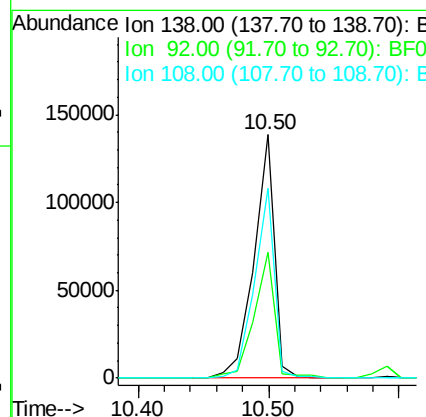
Manual Integrations
 APPROVED

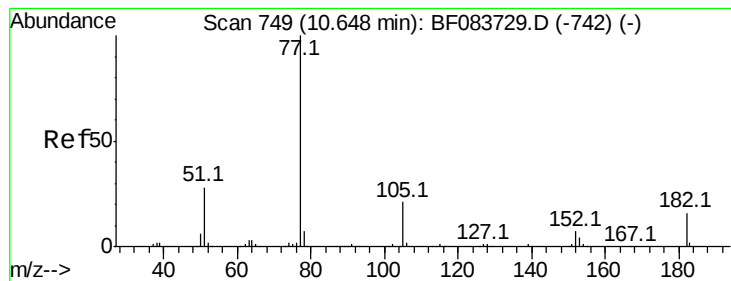
MMdadoda
 12/17/2015 5:34:12 PM



#61
 4-Nitroaniline
 Concen: 49.12 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.01 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.7	29.0	69.0
108	78.2	47.4	87.4





#62

Azobenzene

Concen: 51.14 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF083848.D

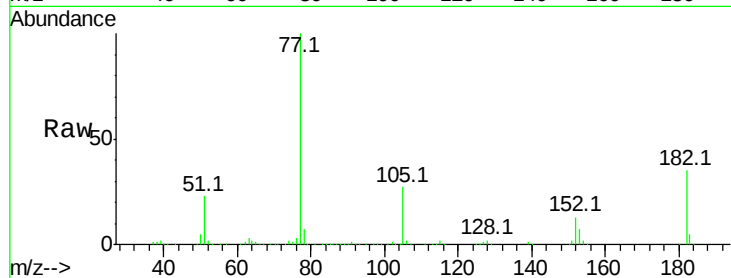
Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD



Tot Ion: 77 Resp: 674802

Ion Ratio Lower Upper

77 100

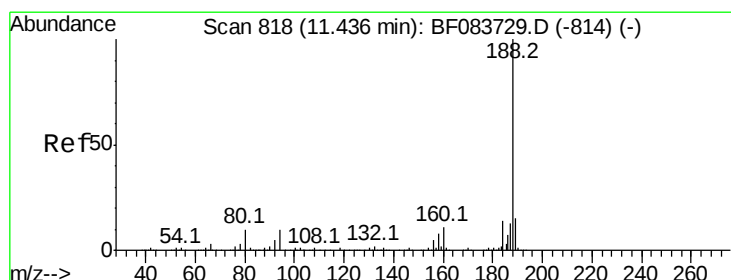
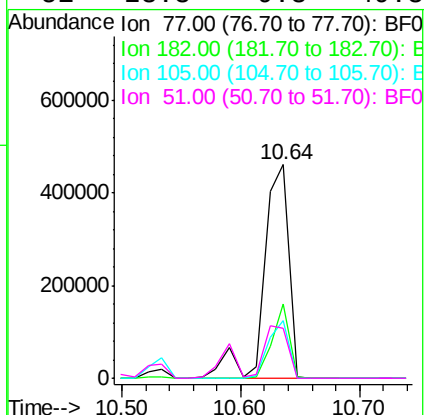
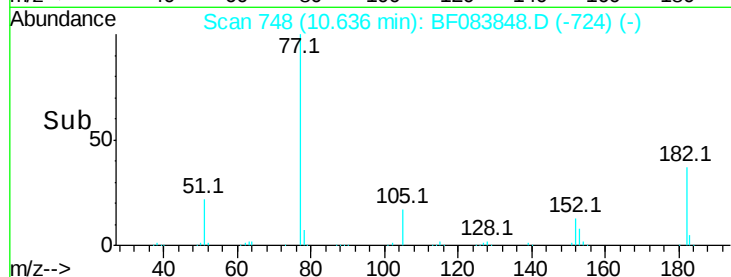
182 34.9 2.5 42.5

105 27.2 2.1 42.1

51 23.3 9.3 49.3

Manual Integrations
APPROVED

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#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

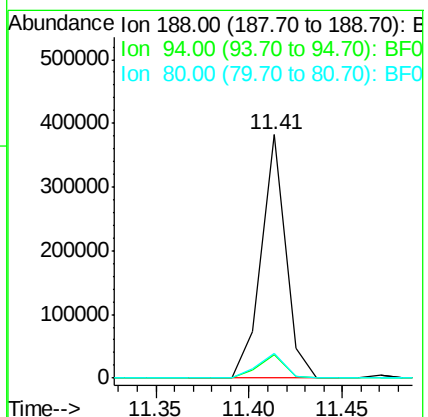
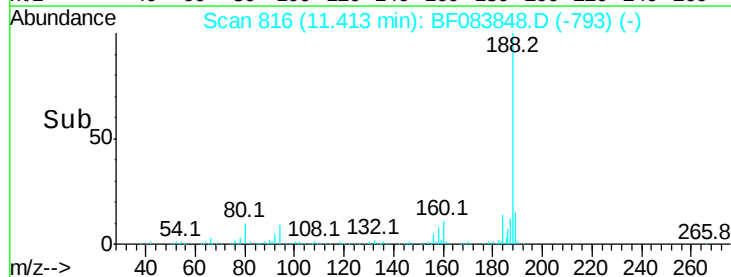
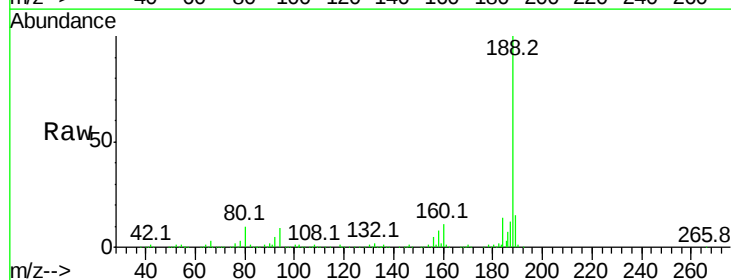
Tgt Ion: 188 Resp: 345367

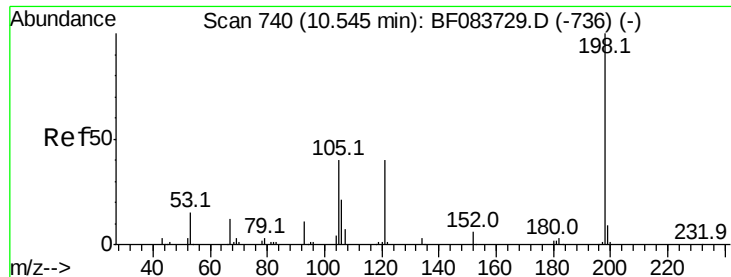
Ion Ratio Lower Upper

188 100

94 9.5 9.4 14.2

80 10.2 10.6 16.0#





#64

4,6-Dinitro-2-methylphenol

Concen: 54.58 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:198 Resp: 107258

Ion Ratio Lower Upper

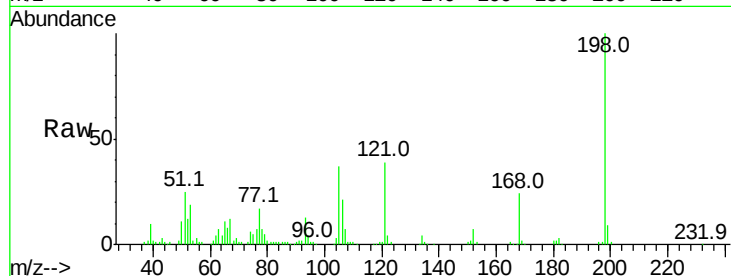
198 100

51 25.4 53.8 93.8#

105 36.9 38.6 78.6#

Manual Integrations
APPROVED

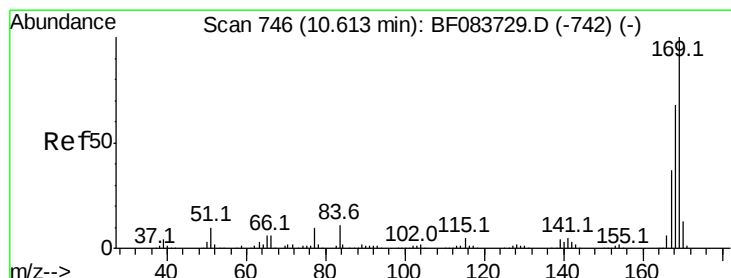
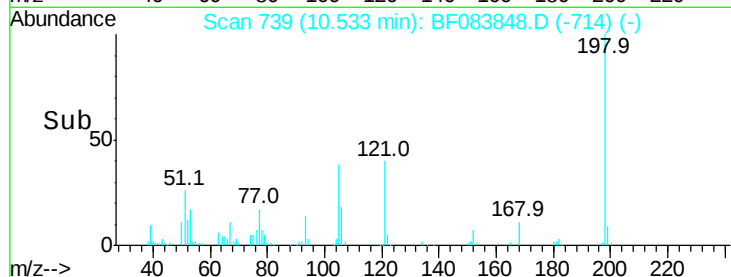
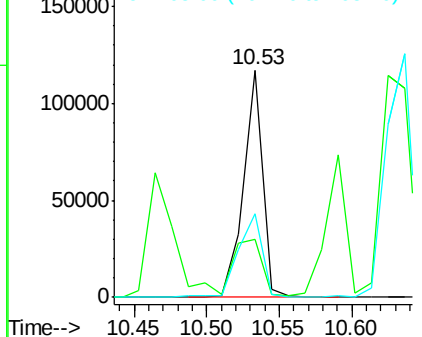
MMdadoda
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 45.67 ng

RT: 10.59 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

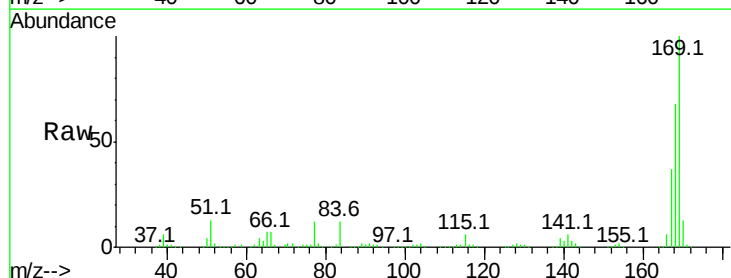
Tgt Ion:169 Resp: 539492

Ion Ratio Lower Upper

169 100

168 67.9 53.0 79.6

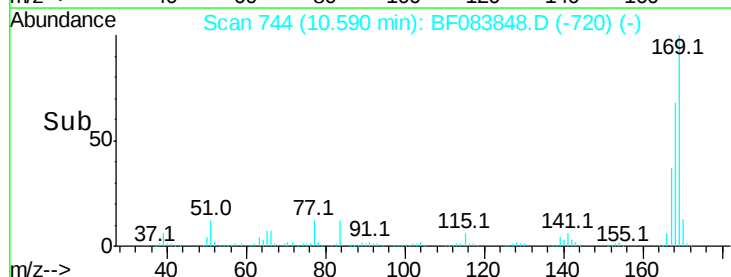
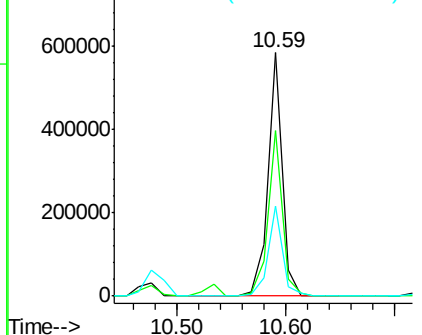
167 37.2 29.3 43.9

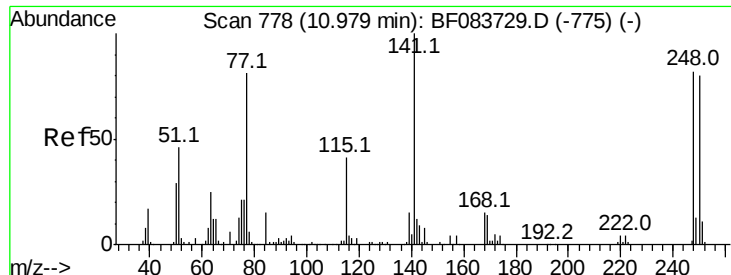


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#66

4-Bromophenyl-phenylether

Concen: 45.34 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:248 Resp: 175082

Ion Ratio Lower Upper

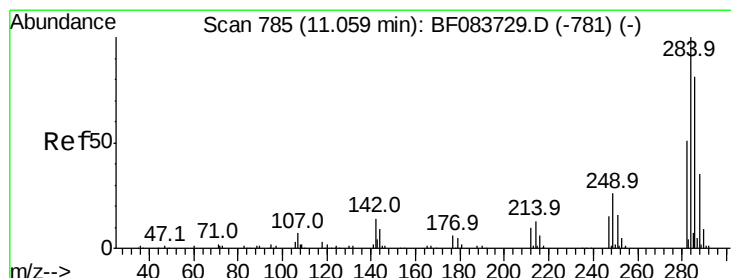
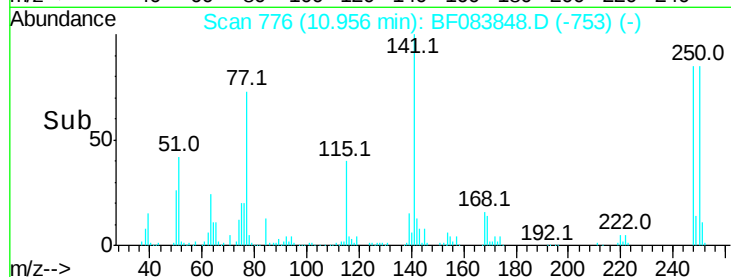
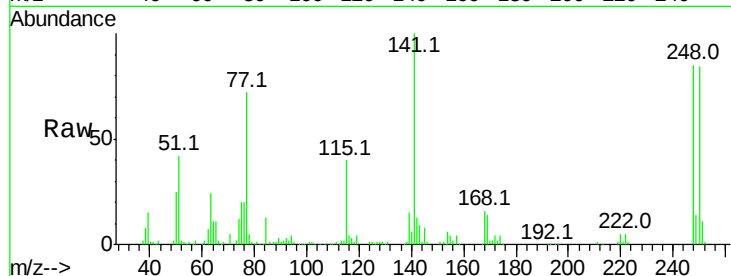
248 100

250 99.0 79.2 118.8

141 117.6 58.2 87.4#

Manual Integrations
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#67

Hexachlorobenzene

Concen: 49.70 ng

RT: 11.04 min Scan# 783

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

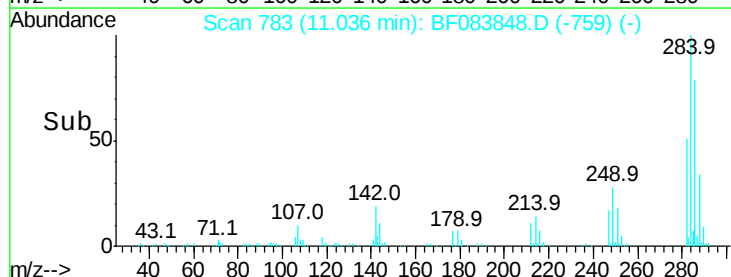
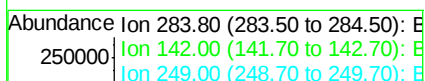
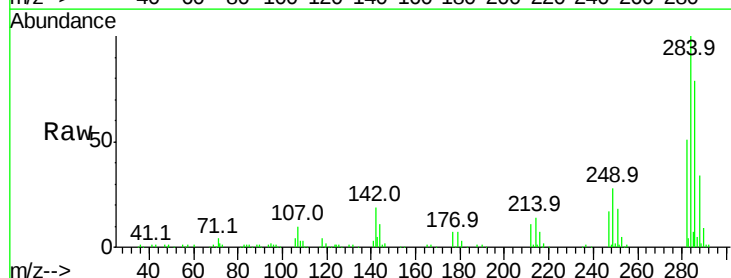
Tgt Ion:284 Resp: 207675

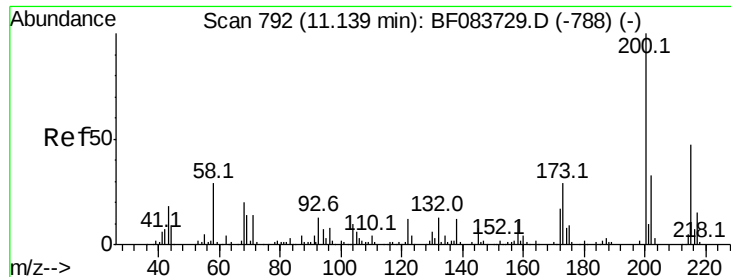
Ion Ratio Lower Upper

284 100

142 18.9 31.0 46.4#

249 27.9 26.9 40.3





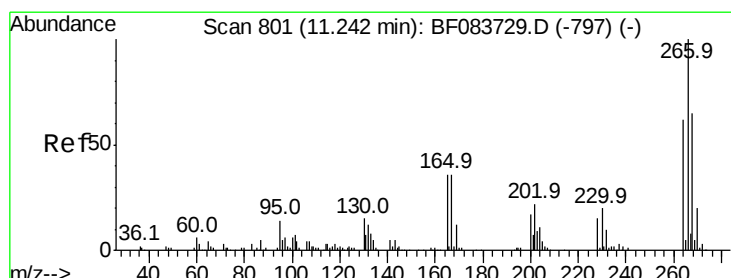
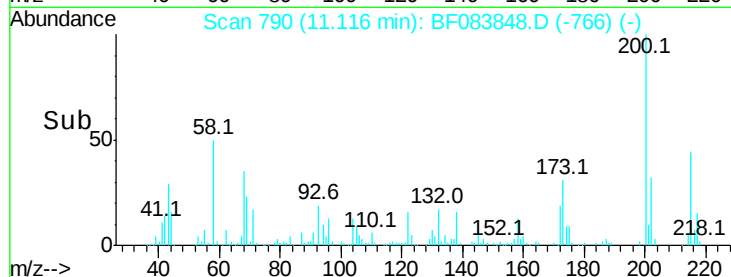
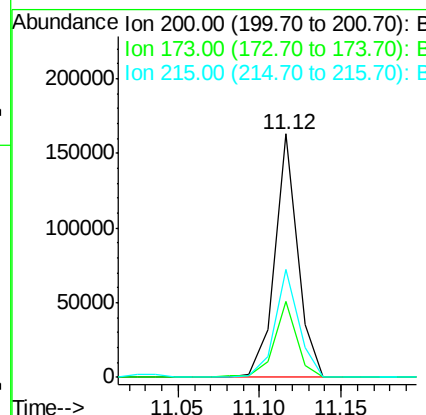
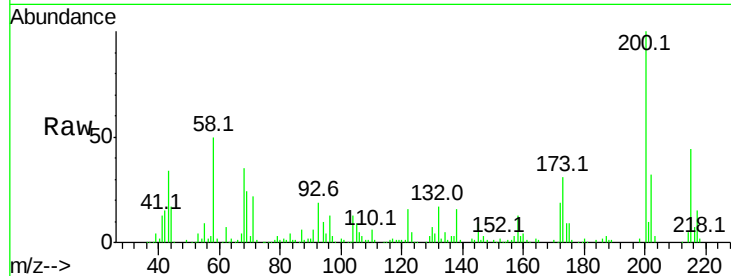
#68
Atrazine
Concen: 47.58 ng
RT: 11.12 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	31.2	7.8	47.8
215	44.2	25.7	65.7

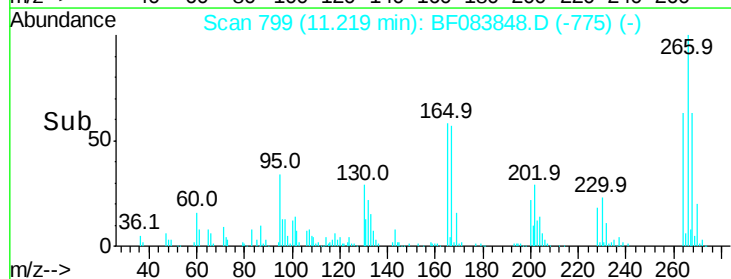
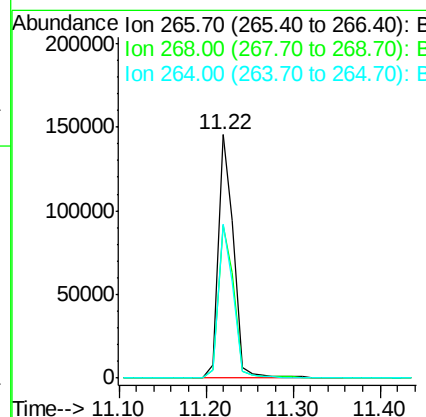
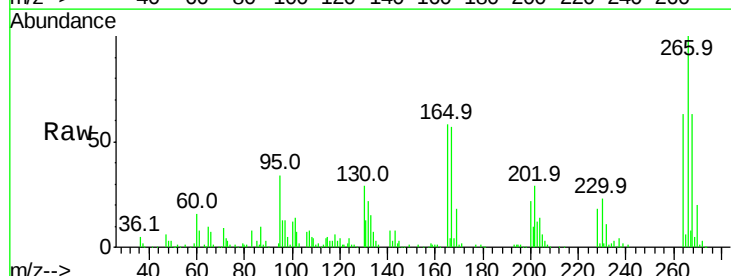
Manual Integrations
APPROVED

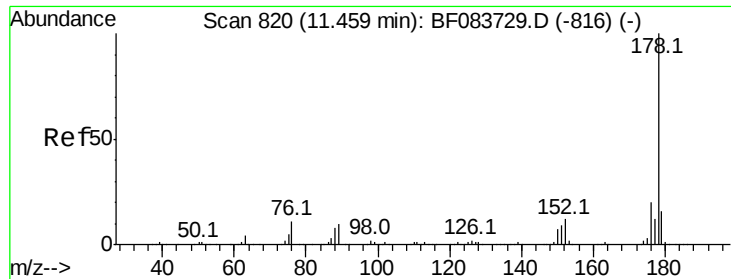
MMdadoda
12/17/2015 5:34:12 PM



#69
Pentachlorophenol
Concen: 76.95 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	63.0	50.2	75.2
264	63.4	51.4	77.2





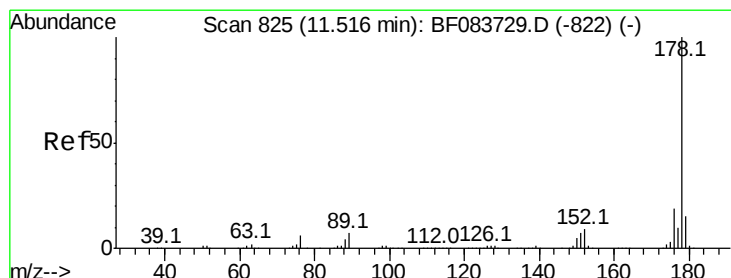
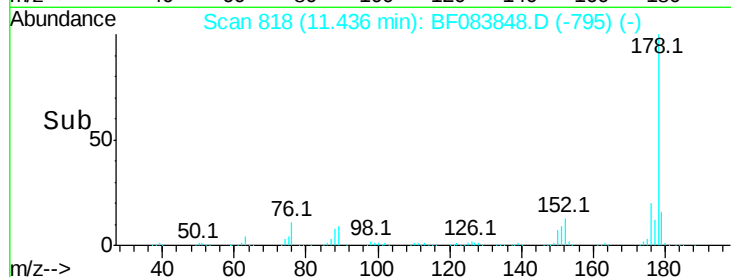
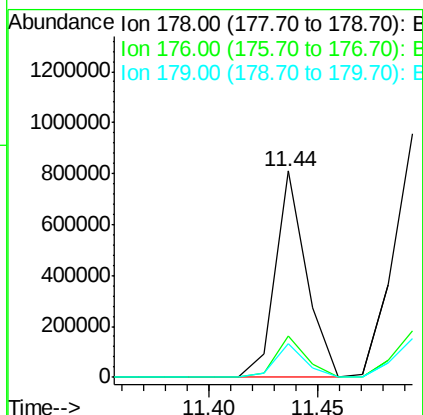
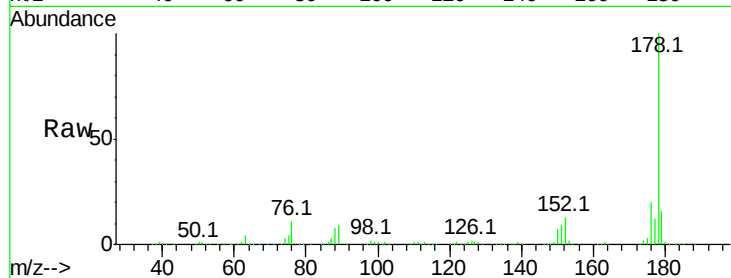
#70
Phenanthrene
Concen: 43.99 ng
RT: 11.44 min Scan# 818
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.7	23.5
179	16.4	12.2	18.4

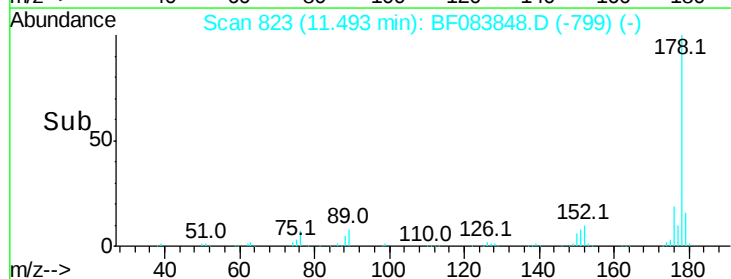
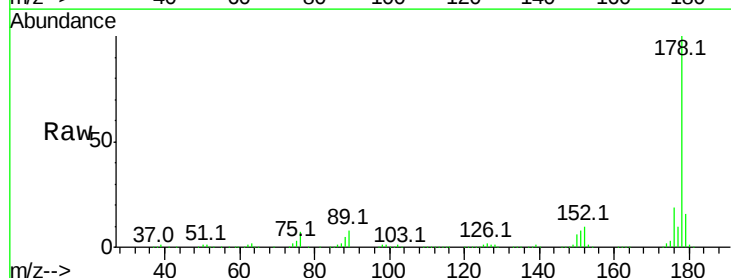
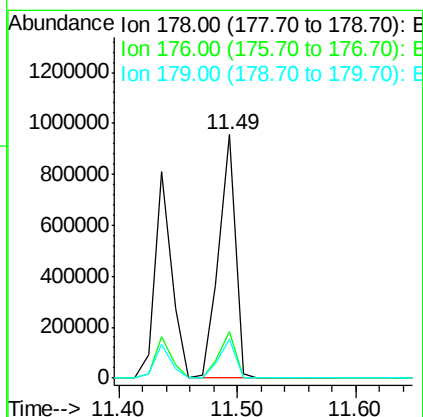
Manual Integrations
APPROVED

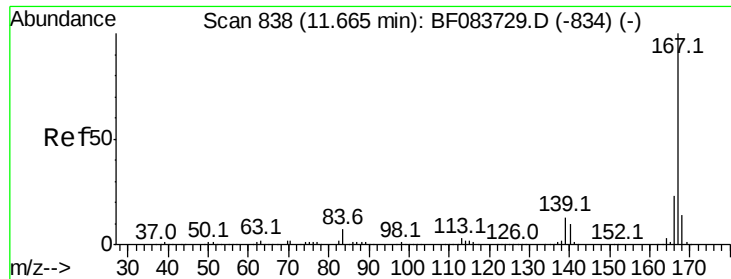
MMdadoda
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#71
Anthracene
Concen: 48.70 ng
RT: 11.49 min Scan# 823
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.9	12.6	18.8





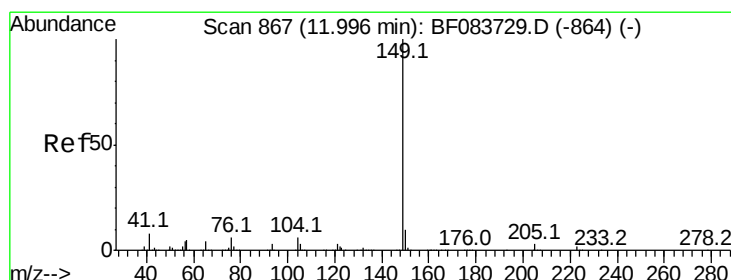
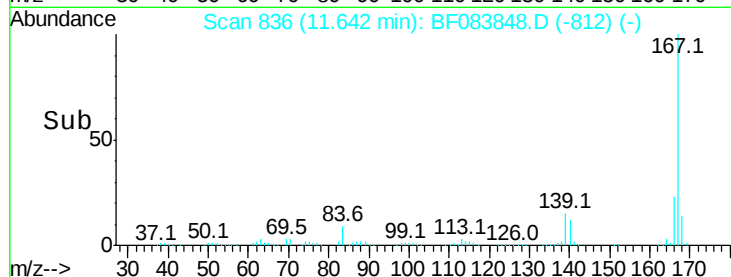
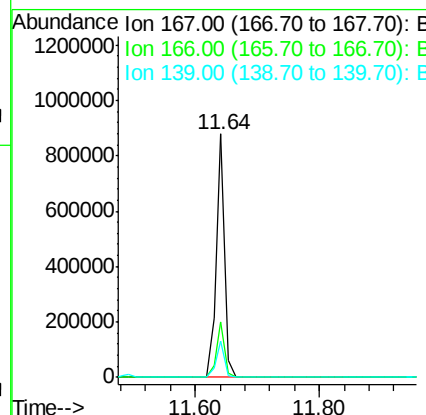
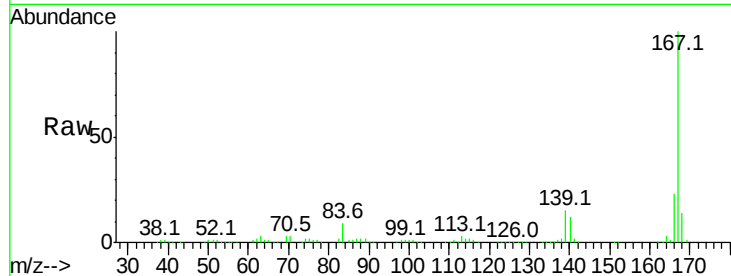
#72
 Carbazole
 Concen: 45.17 ng
 RT: 11.64 min Scan# 836
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	22.7	17.2	25.8	
139	14.7	9.3	13.9	

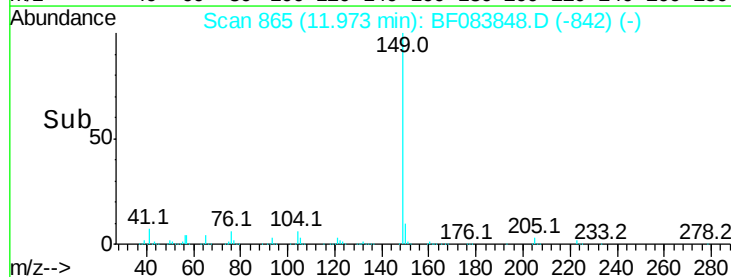
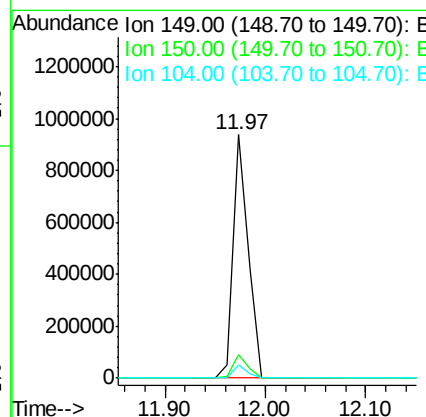
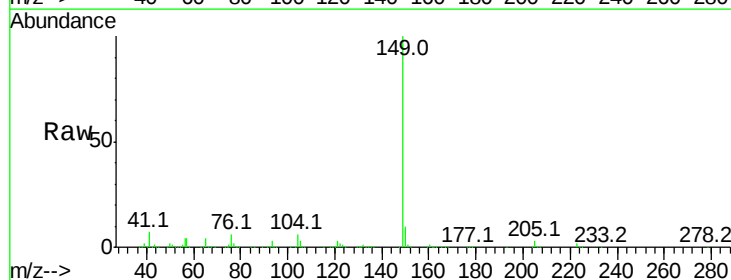
Manual Integrations
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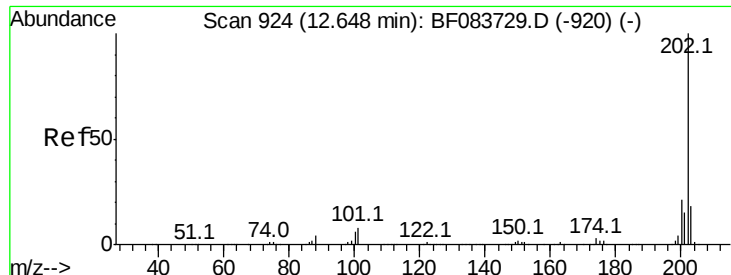
MMdadoda
 12/17/2015 5:34:12 PM



#73
 Di-n-butylphthalate
 Concen: 45.10 ng
 RT: 11.97 min Scan# 865
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.8	7.8	11.6	
104	5.6	3.9	5.9	





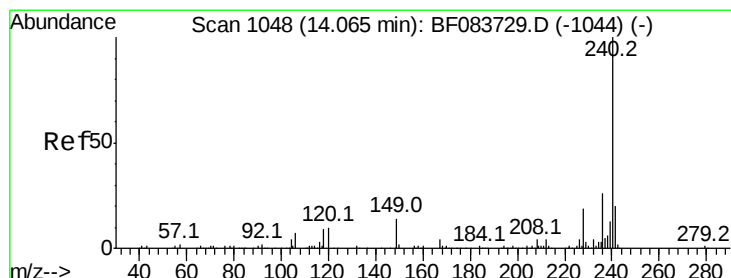
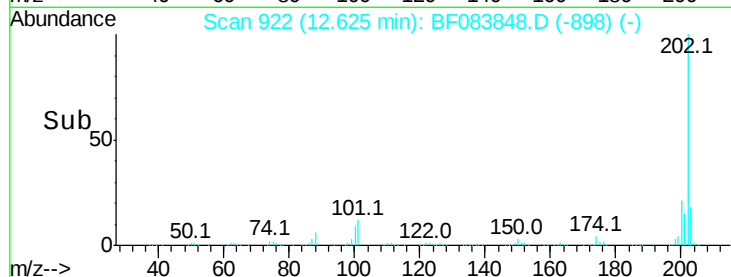
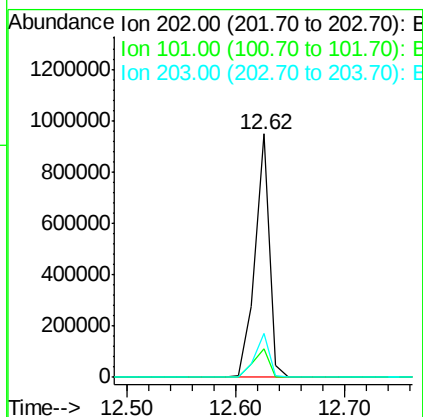
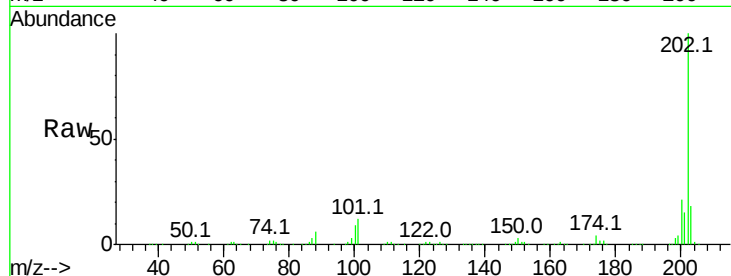
#74
Fluoranthene
 Concen: 46.45 ng
 RT: 12.62 min Scan# 922
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	31.5
203	18.1	0.0	37.6

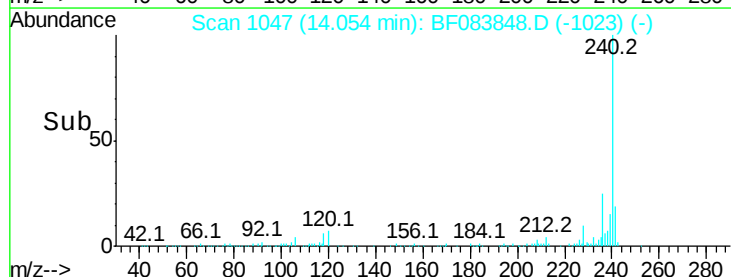
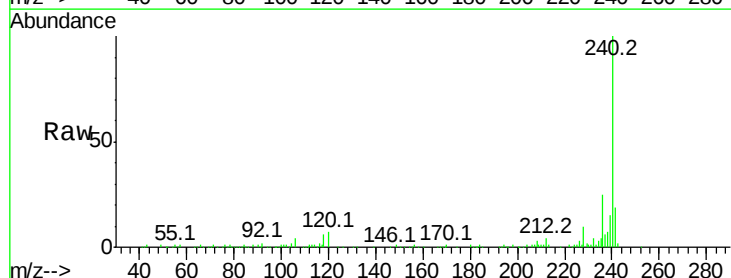
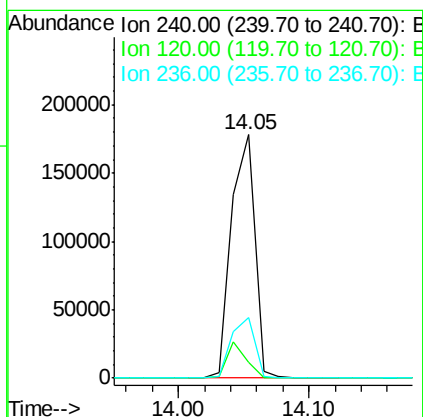
Manual Integrations
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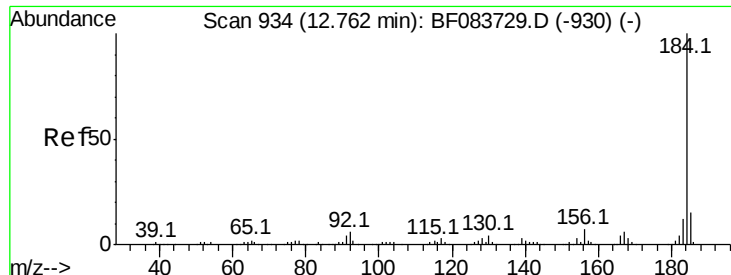
MMdadoda
 12/17/2015 5:34:12 PM



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.7	8.1	12.1#
236	24.8	20.8	31.2





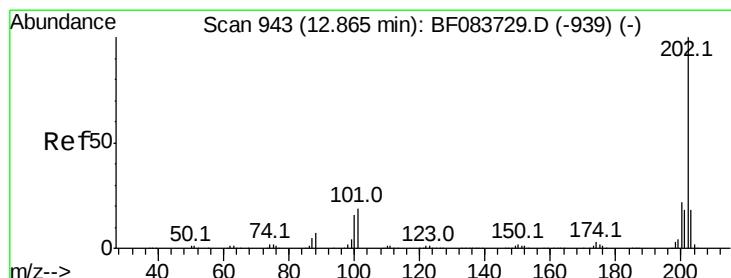
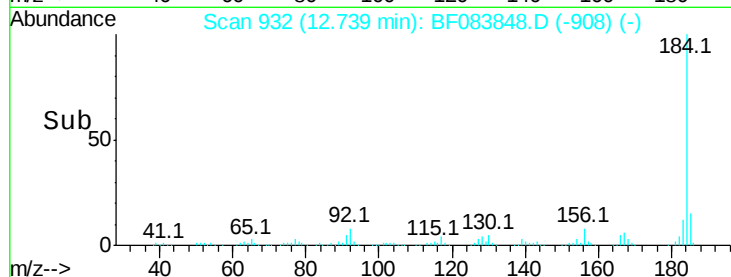
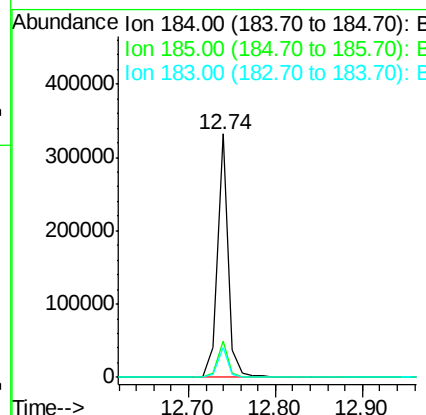
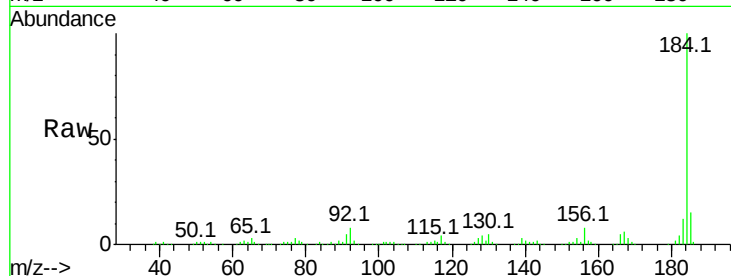
#76
Benzidine
Concen: 43.16 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.9	13.0	19.6	
183	12.4	9.0	13.4	

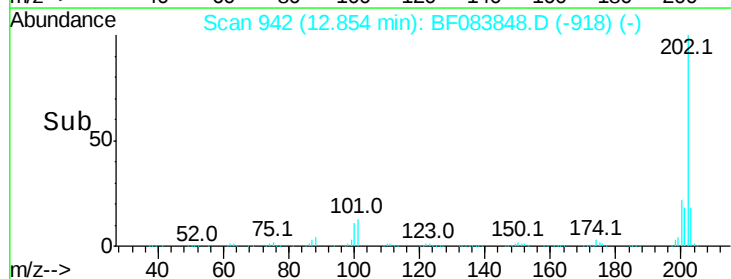
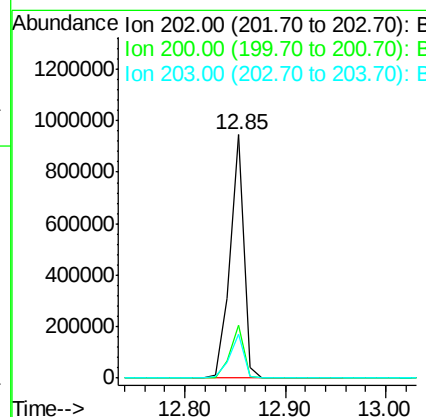
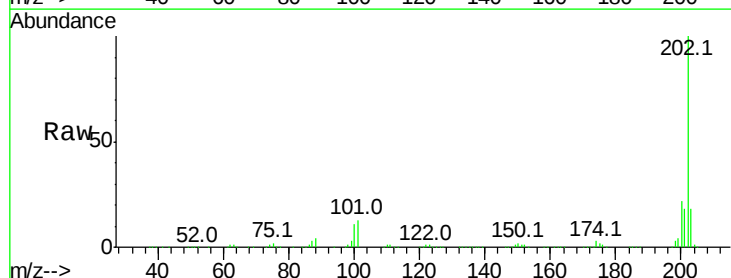
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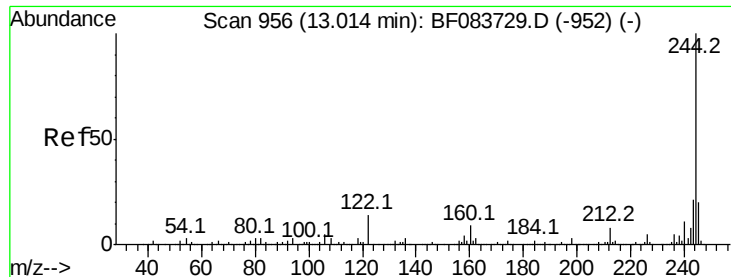
MMdadoda
12/17/2015 5:34:12 PM



#77
Pyrene
Concen: 51.55 ng
RT: 12.85 min Scan# 942
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	16.7	25.1	
203	18.0	14.3	21.5	





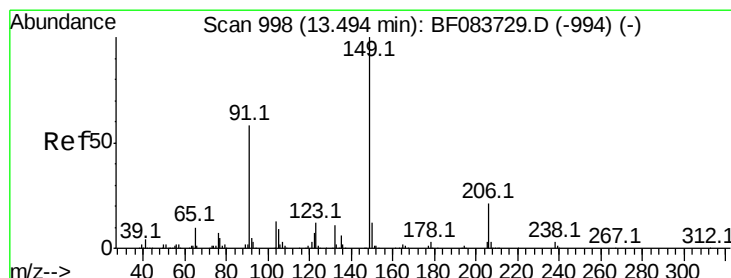
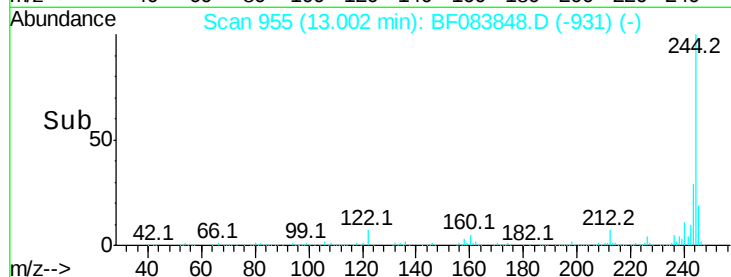
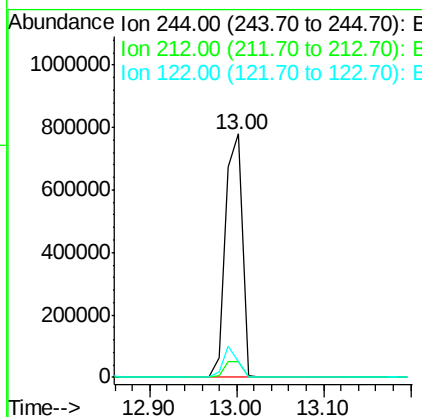
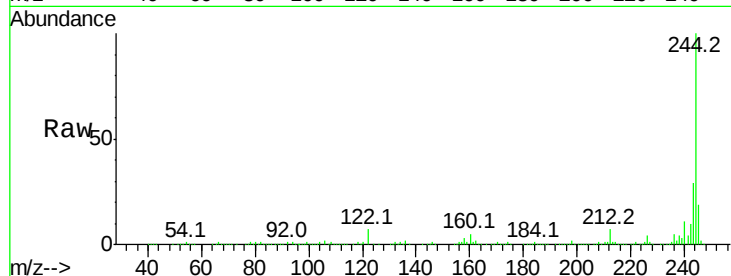
#78
 Terphenyl-d14
 Concen: 101.61 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.1	9.1
122	6.7	11.0	16.6

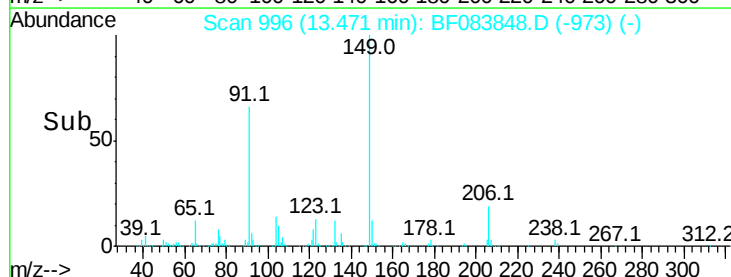
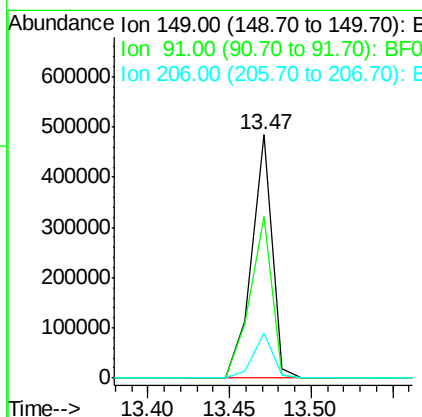
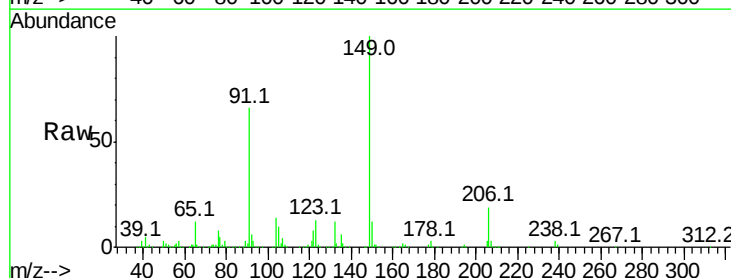
Manual Integrations
 APPROVED

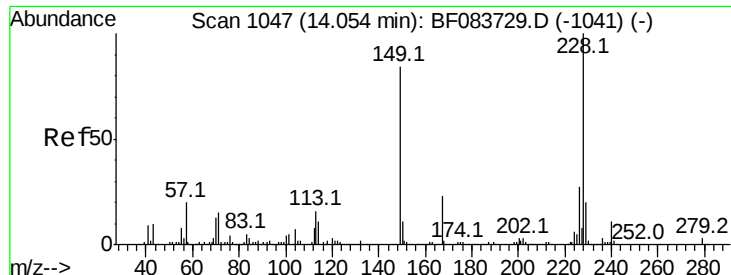
MMdadoda
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#79
 Butylbenzylphthalate
 Concen: 56.37 ng
 RT: 13.47 min Scan# 996
 Delta R.T. -0.03 min
 Lab File: BF083848.D
 Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
149	100		
91	66.4	60.0	90.0
206	18.7	16.2	24.4





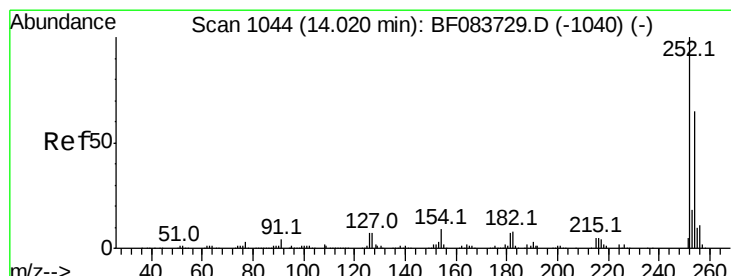
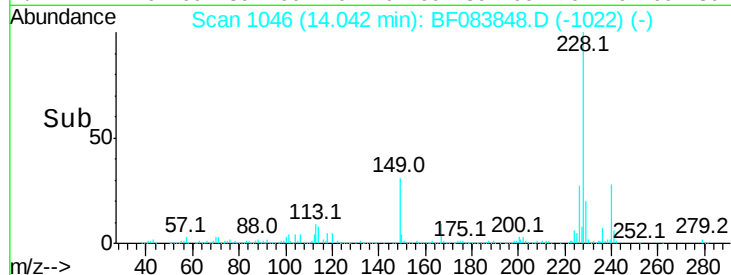
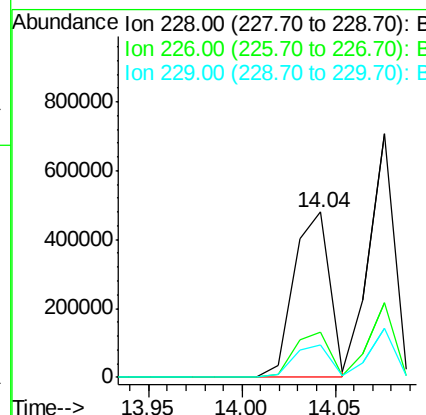
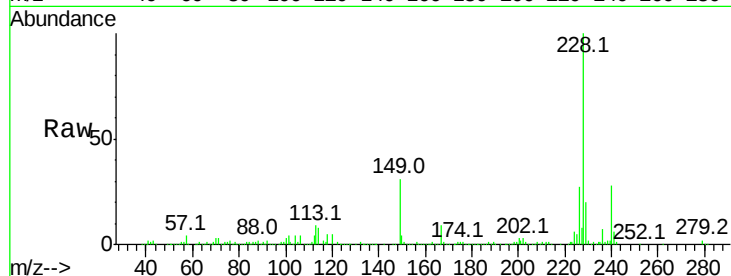
#80
Benzo(a)anthracene
Concen: 50.84 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.3	33.5
229	20.0	15.7	23.5

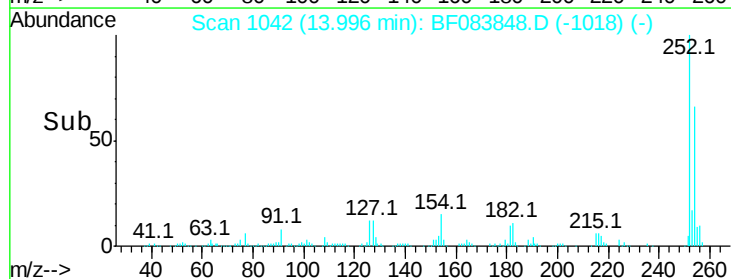
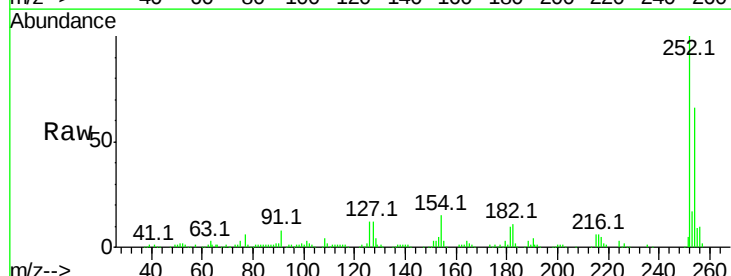
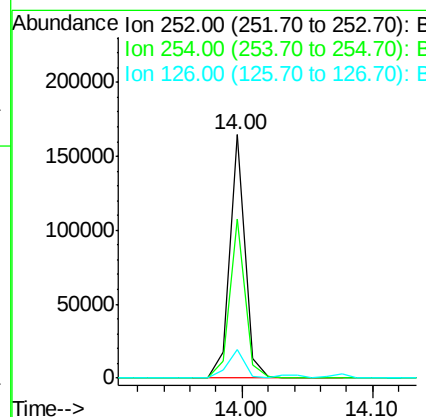
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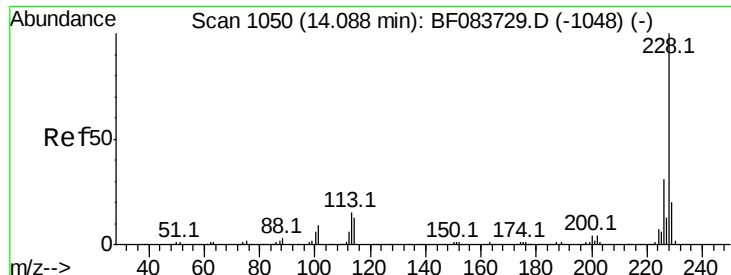
MMdadoda
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#81
3,3'-Dichlorobenzidine
Concen: 29.95 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
254	65.6	50.6	76.0
126	11.9	11.0	16.4





#82

Chrysene

Concen: 54.14 ng

RT: 14.08 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

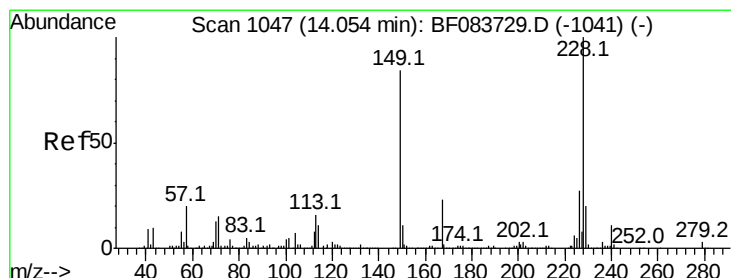
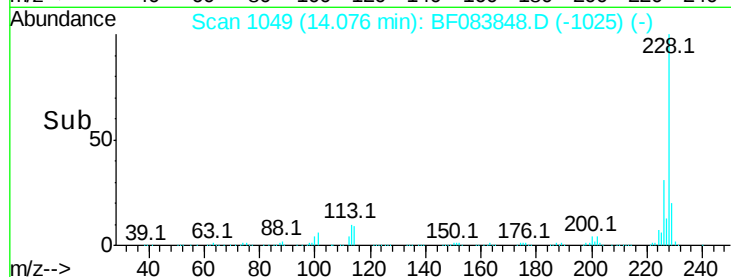
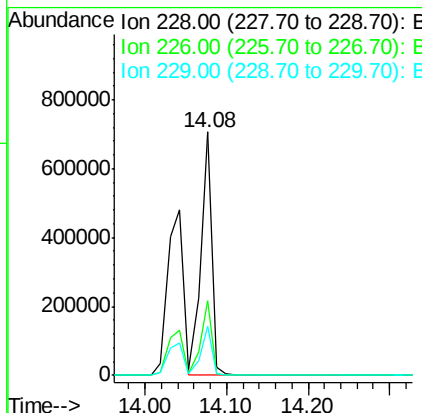
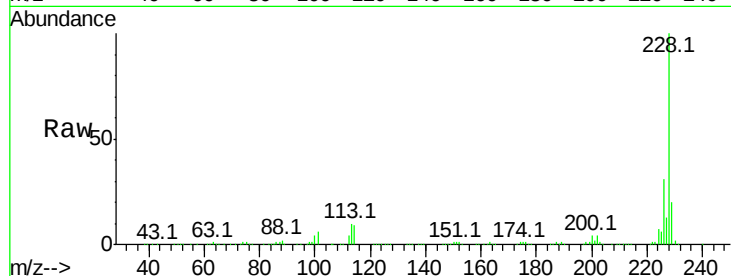
ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:	228	Resp:	666102
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.7	37.1
229	20.1	16.3	24.5

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 54.62 ng

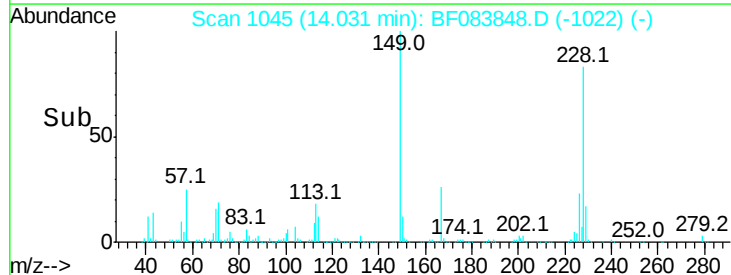
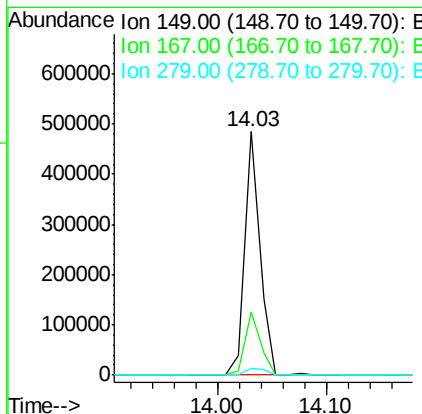
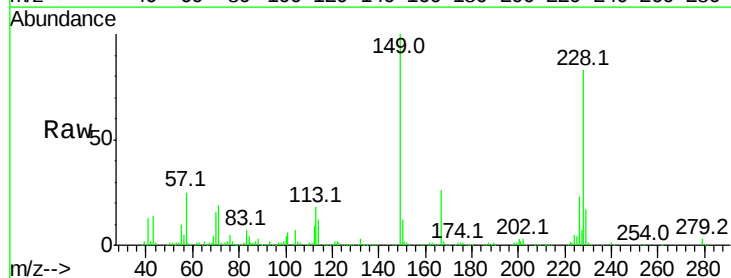
RT: 14.03 min Scan# 1045

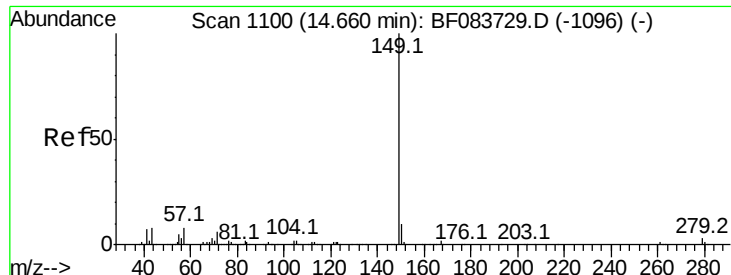
Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Tgt Ion:	149	Resp:	467762
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.8	32.8
279	2.6	3.0	4.4#





#84

Di-n-octyl phthalate

Concen: 55.25 ng

RT: 14.64 min Scan# 1098

Delta R.T. -0.03 min

Lab File: BF083848.D

Acq: 16 Dec 2015 15:13

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-SOURCE-6AMSD

Tot Ion:149 Resp: 751827
Ion Ratio Lower Upper

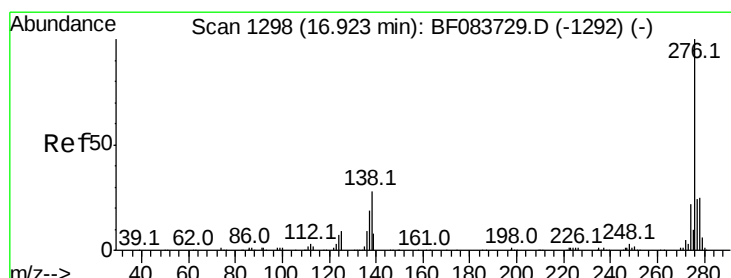
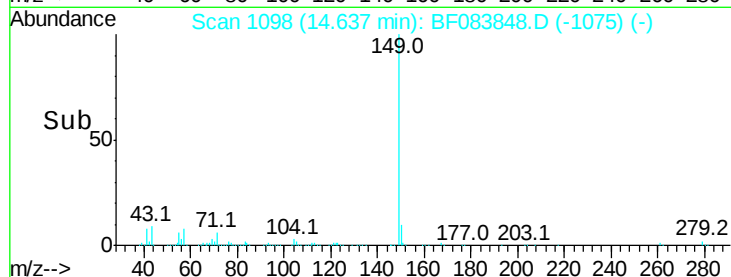
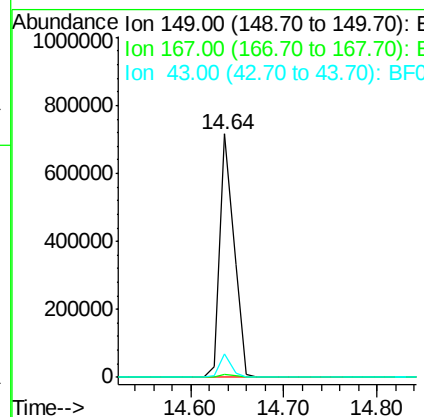
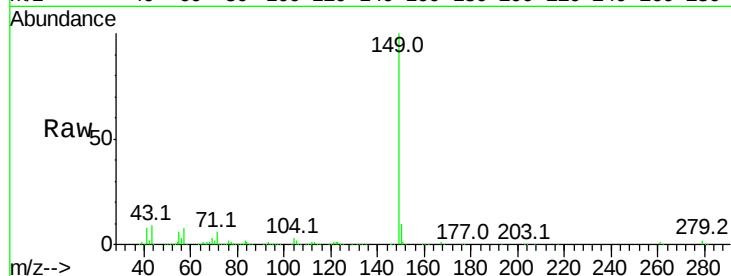
149 100

167 1.5 0.0 0.0#

43 7.9 0.0 0.0#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 50.29 ng

RT: 16.91 min Scan# 1297

Delta R.T. -0.03 min

Lab File: BF083848.D

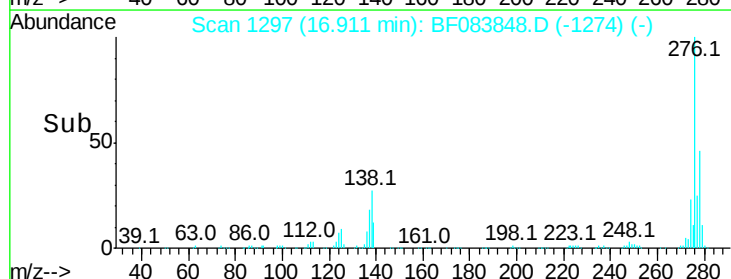
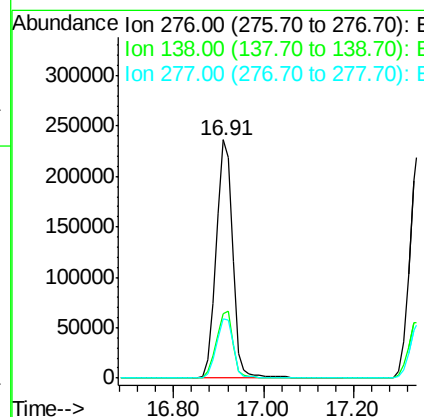
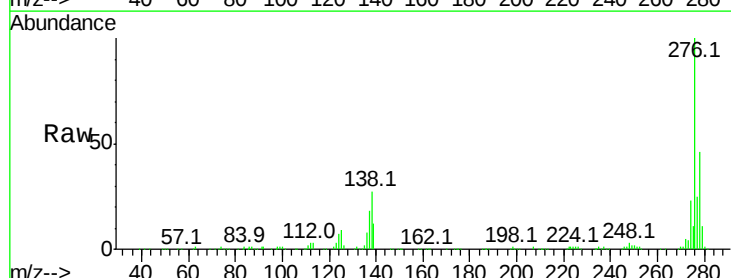
Acq: 16 Dec 2015 15:13

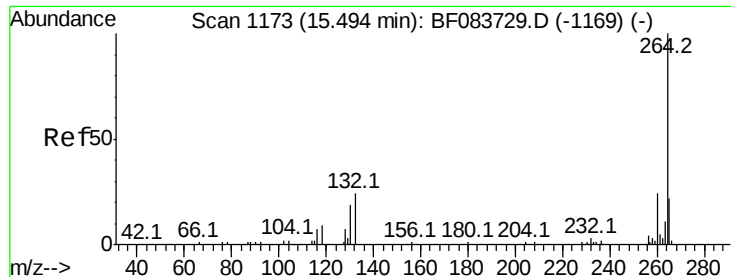
Tgt Ion:276 Resp: 607635
Ion Ratio Lower Upper

276 100

138 28.3 0.0 0.0#

277 25.6 0.0 0.0#





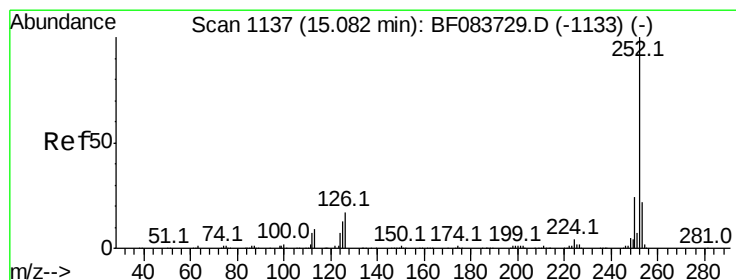
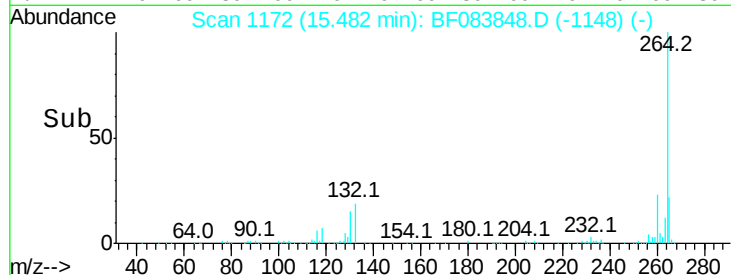
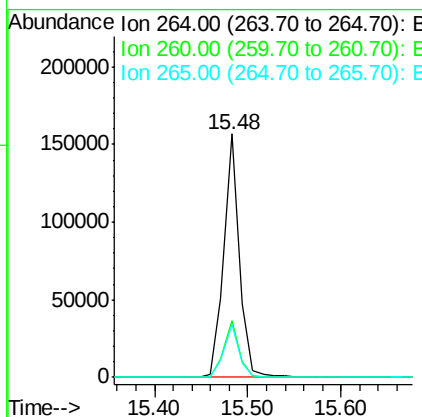
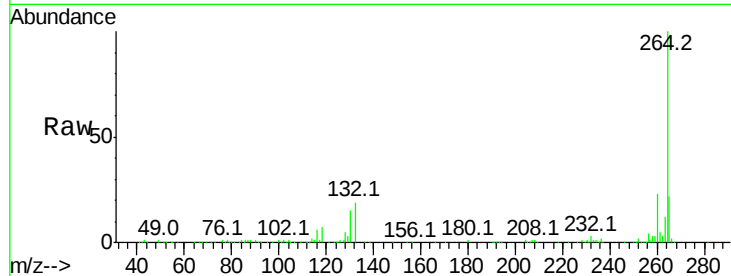
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	21.5	17.8	26.6

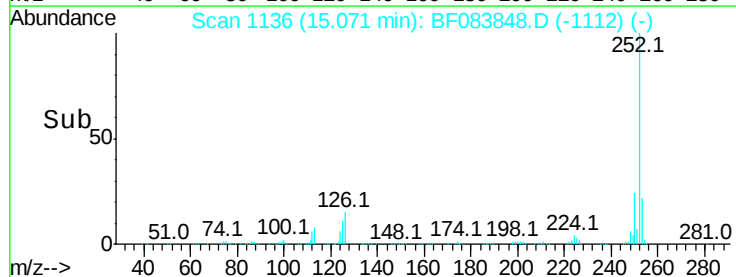
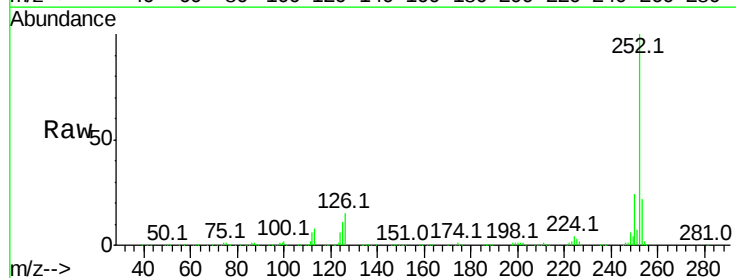
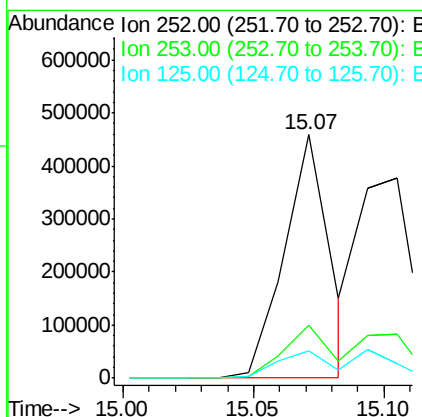
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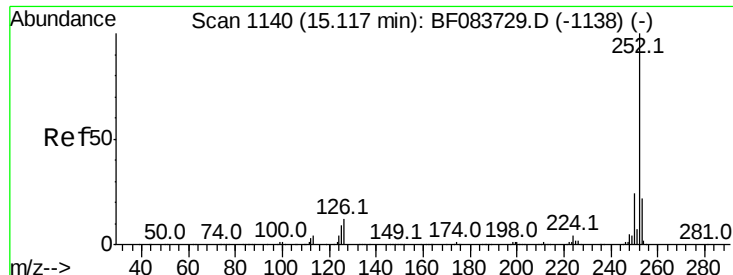
MMdadoda
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#87
Benzo(b)fluoranthene
Concen: 47.58 ng
RT: 15.07 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	11.3	8.2	12.4





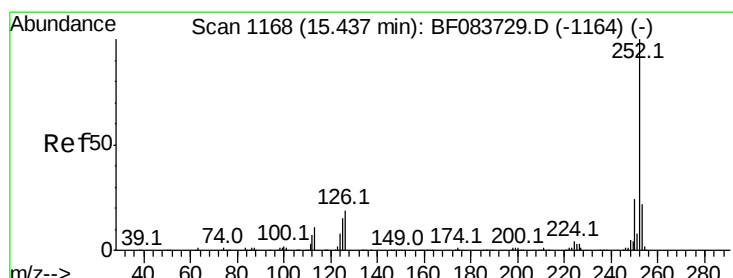
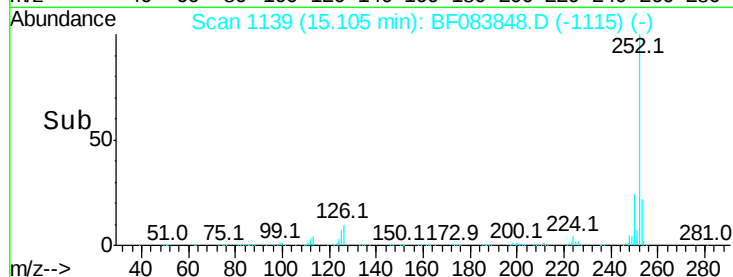
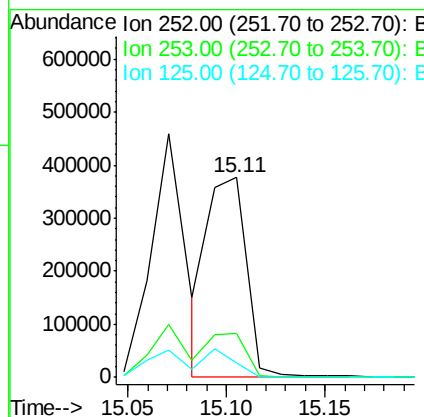
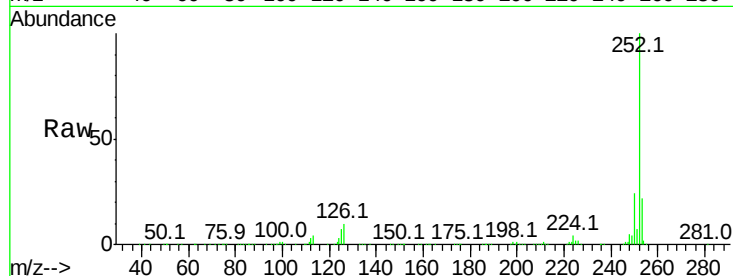
#88
Benzo(k)fluoranthene
Concen: 50.18 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	18.6	27.8
125	6.9	11.5	17.3

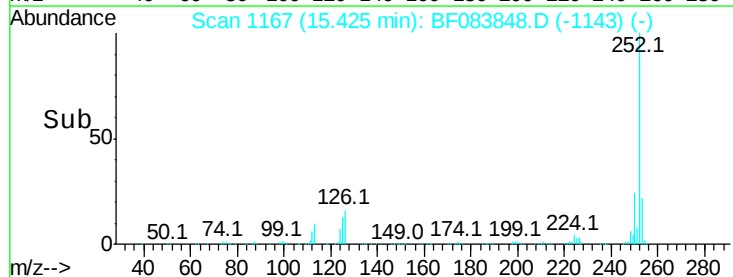
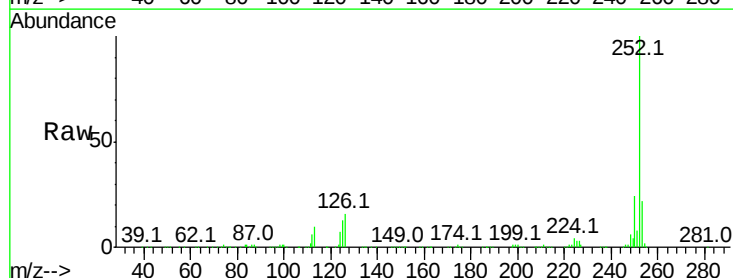
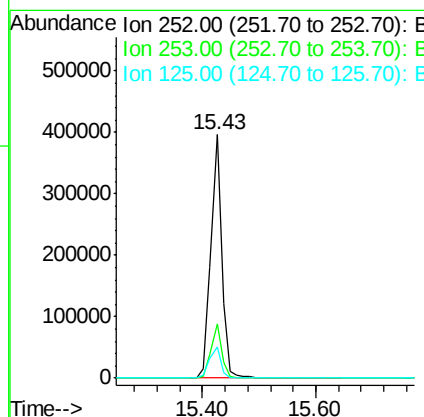
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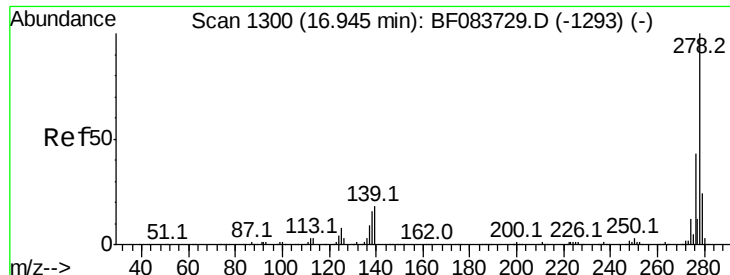
MMdadoda
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#89
Benzo(a)pyrene
Concen: 49.32 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.8	11.0	16.6





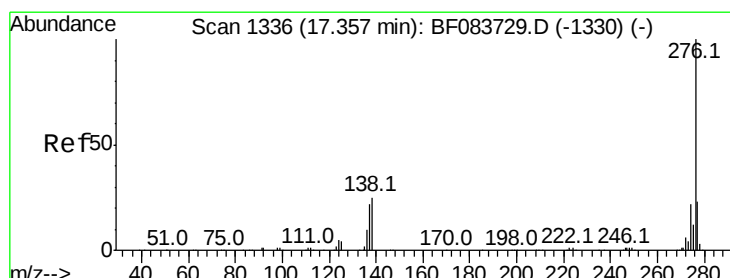
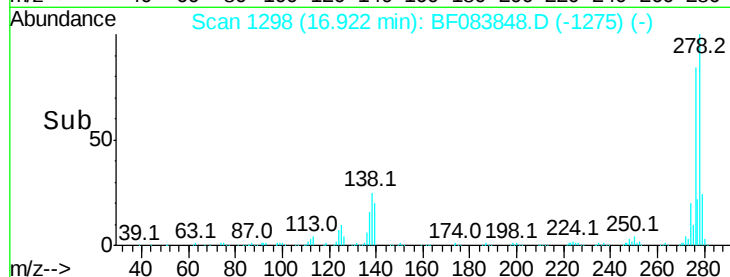
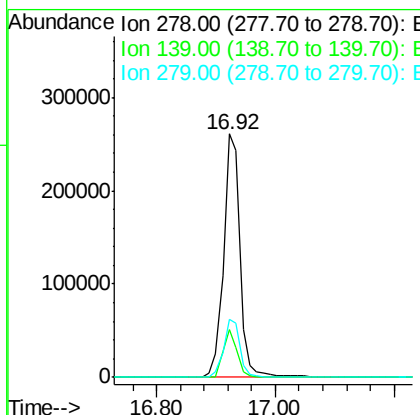
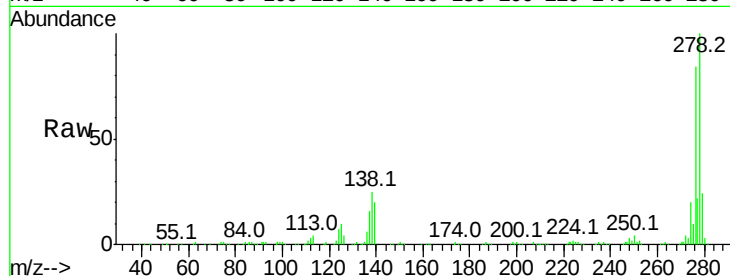
#90
Dibenzo(a,h)anthracene
Concen: 48.84 ng
RT: 16.92 min Scan# 1298
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-SOURCE-6AMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	12.8	19.2#
279	23.9	18.6	28.0

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12/17/2015 5:34:12 PM



#91
Benzo(g,h,i)perylene
Concen: 49.23 ng
RT: 17.35 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BF083848.D
Acq: 16 Dec 2015 15:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.9	19.5	29.3

