

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086884.D
 Acq On : 11 May 2016 6:38
 Operator : UM/SJ
 Sample : H2916-07MS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Manual Integrations
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 5/11/2016 8:20:47 PM

Quant Time: May 11 08:37:58 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	145633	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	554049	20.00	ng	-0.01
38) Acenaphthene-d10	9.72	164	227803	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	349091	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	259717	20.00	ng	-0.01
86) Perylene-d12	15.20	264	237906	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1042548	121.23	ng	0.00
7) Phenol-d6	6.35	99	1319759	114.83	ng	-0.01
23) Nitrobenzene-d5	7.26	82	971396	88.04	ng	0.00
41) 2,4,6-Tribromophenol	10.51	330	239780	99.42	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	1222078	90.16	ng	-0.01
78) Terphenyl-d14	12.78	244	878949	71.80	ng	-0.01

Target Compounds						Qvalue
2) 1,4-Dioxane	2.25	88	154150	36.51	ng	# 66
3) Pyridine	2.91	79	409583	39.69	ng	# 66
4) n-Nitrosodimethylamine	2.86	42	328823	43.94	ng	# 49
6) Aniline	6.36	93	113626	8.17	ng	# 1
8) 2-Chlorophenol	6.48	128	407525	39.27	ng	86
9) Benzaldehyde	6.24	77	39597	5.95	ng	92
10) Phenol	6.36	94	423413	31.00	ng	# 54
11) bis(2-Chloroethyl)ether	6.43	93	441409	41.44	ng	90
12) 1,3-Dichlorobenzene	6.62	146	457971	40.78	ng	97
13) 1,4-Dichlorobenzene	6.70	146	457988	39.99	ng	97
14) 1,2-Dichlorobenzene	6.85	146	387663	38.84	ng	95
15) Benzyl Alcohol	6.85	79	343624	43.30	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.98	45	901271	38.92	ng	68
17) 2-Methylphenol	6.98	107	313470	37.96	ng	# 78
18) Hexachloroethane	7.20	117	172692	40.08	ng	92
19) n-Nitroso-di-n-propylamine	7.12	70	331653	41.29	ng	# 67
20) 3+4-Methylphenols	7.14	107	426330	39.53	ng	# 61
22) Acetophenone	7.10	105	585375	44.73	ng	# 97
24) Nitrobenzene	7.28	77	440496	38.81	ng	94
25) Isophorone	7.52	82	829053	40.50	ng	96
26) 2-Nitrophenol	7.60	139	214160	42.92	ng	# 82
27) 2,4-Dimethylphenol	7.65	122	334122	39.31	ng	89
28) bis(2-Chloroethoxy)methane	7.73	93	493673	44.71	ng	98
29) 2,4-Dichlorophenol	7.85	162	292853	39.15	ng	93
30) 1,2,4-Trichlorobenzene	7.92	180	352732	42.17	ng	96
31) Naphthalene	8.00	128	1179423	42.50	ng	99
33) 4-Chloroaniline	8.06	127	65290	6.05	ng	# 92
34) Hexachlorobutadiene	8.11	225	194312	40.04	ng	99
35) Caprolactam	8.43	113	84827	33.33	ng	# 74
36) 4-Chloro-3-methylphenol	8.56	107	294701	32.48	ng	# 86
37) 2-Methylnaphthalene	8.68	142	672195m	41.43	ng	
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	323173	48.79	ng	99
40) Hexachlorocyclopentadiene	8.84	237	160803	51.15	ng	94
42) 2,4,6-Trichlorophenol	8.98	196	184463	41.65	ng	94

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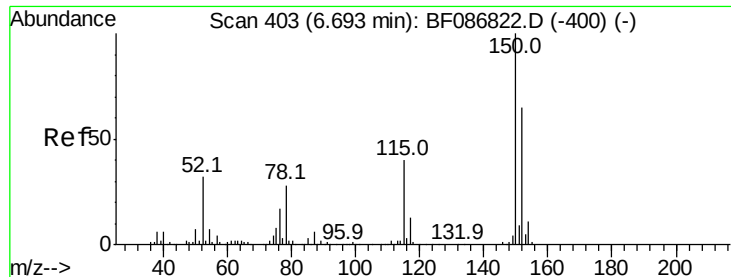
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) 2,4,5-Trichlorophenol	9.02	196	186050	40.62	nq	# 95
45) 1,1'-Biphenyl	9.15	154	816925	45.09	nq	97
46) 2-Chloronaphthalene	9.17	162	621759	43.80	nq	95
47) 2-Nitroaniline	9.28	65	199552	38.46	nq	# 65
48) Acenaphthylene	9.58	152	908244	43.50	nq	99
49) Dimethylphthalate	9.46	163	870959	50.11	nq	99
50) 2,6-Dinitrotoluene	9.53	165	148905	40.71	nq	# 68
51) Acenaphthene	9.76	154	589017	45.35	nq	98
52) 3-Nitroaniline	9.70	138	75097	19.50	nq	94
53) 2,4-Dinitrophenol	9.80	184	35404	24.81	nq	# 82
54) Dibenzofuran	9.93	168	766663	45.98	nq	96
55) 4-Nitrophenol	9.88	139	141188	56.42	nq	# 70
56) 2,4-Dinitrotoluene	9.93	165	184058	40.66	nq	# 85
57) Fluorene	10.27	166	623991	43.88	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.05	232	142410	41.30	nq	97
59) Diethylphthalate	10.16	149	690372	40.76	nq	97
60) 4-Chlorophenyl-phenylether	10.26	204	261136	41.37	nq	95
61) 4-Nitroaniline	10.30	138	116050	31.38	nq	# 71
62) Azobenzene	10.42	77	750323	41.06	nq	85
64) 4,6-Dinitro-2-methylphenol	10.33	198	57653	26.59	nq	# 37
65) n-Nitrosodiphenylamine	10.38	169	489668	45.66	nq	100
66) 4-Bromophenyl-phenylether	10.75	248	171283	48.39	nq	92
67) Hexachlorobenzene	10.81	284	186783	45.16	nq	# 62
68) Atrazine	10.92	200	162195	45.27	nq	96
69) Pentachlorophenol	11.01	266	159358	83.36	nq	97
70) Phenanthrene	11.22	178	768996	41.28	nq	100
71) Anthracene	11.28	178	837811	43.97	nq	99
72) Carbazole	11.44	167	671621	41.01	nq	99
73) Di-n-butylphthalate	11.77	149	887786	44.39	nq	# 99
74) Fluoranthene	12.41	202	799456	41.72	nq	92
76) Benzidine	12.54	184	171748	25.94	nq	95
77) Pyrene	12.62	202	786268	39.54	nq	100
79) Butylbenzylphthalate	13.25	149	349304	41.53	nq	# 60
80) Benzo(a)anthracene	13.81	228	613134	42.05	nq	99
81) 3,3'-Dichlorobenzidine	13.79	252	108107	11.67	nq	# 94
82) Chrysene	13.85	228	591301	39.87	nq	99
83) Bis(2-ethylhexyl)phthalate	13.81	149	480009	47.45	nq	# 94
84) Di-n-octyl phthalate	14.43	149	852111	50.85	nq	# 85
85) Indeno(1,2,3-cd)pyrene	16.49	276	550568	44.62	nq	95
87) Benzo(b)fluoranthene	14.82	252	580294m	37.53	nq	
88) Benzo(k)fluoranthene	14.84	252	596973m	47.15	nq	
89) Benzo(a)pyrene	15.14	252	564371	42.32	nq	# 96
90) Dibenzo(a,h)anthracene	16.50	278	470430	41.85	nq	# 94
91) Benzo(g,h,i)perylene	16.88	276	457375	40.05	nq	# 90

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

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BNA_F

ClientSampleId :

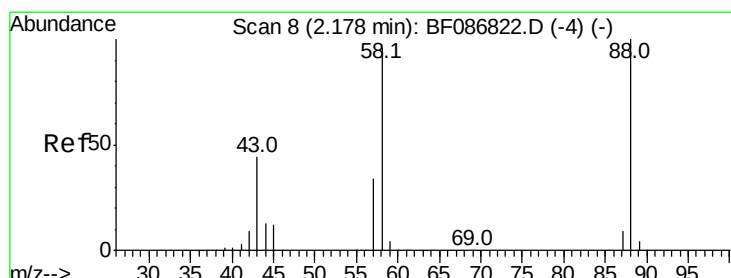
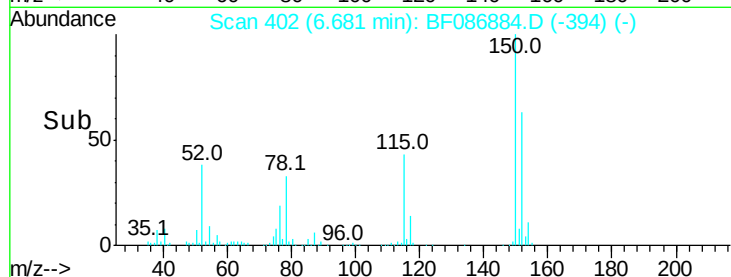
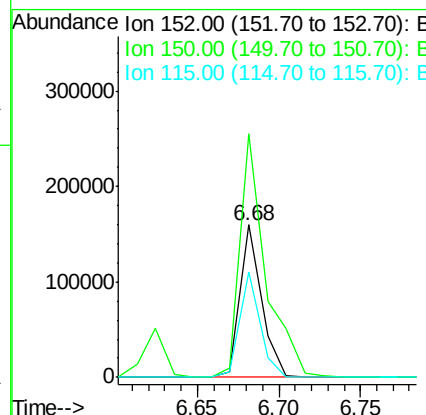
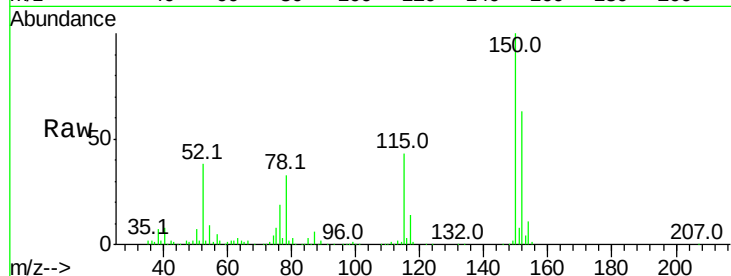
VITALE-FILL-CSPH3-7KMS

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Tot Ion:	152	Resp:	145633
Ion Ratio	Lower	Upper	
152	100		
150	159.5	125.8	188.6
115	69.3	51.5	77.3



#2

1,4-Dioxane

Concen: 36.51 ng

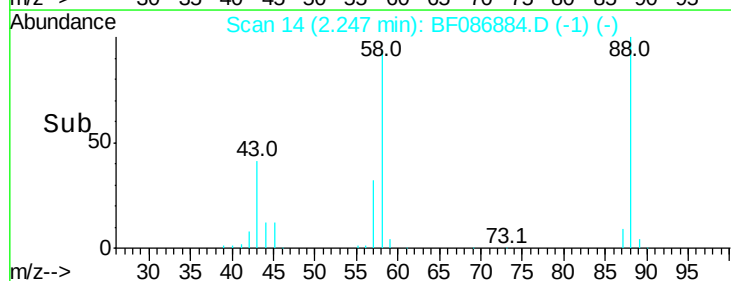
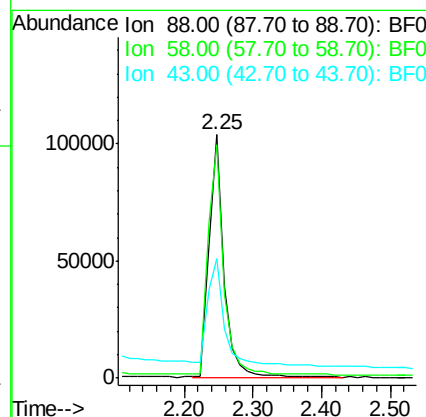
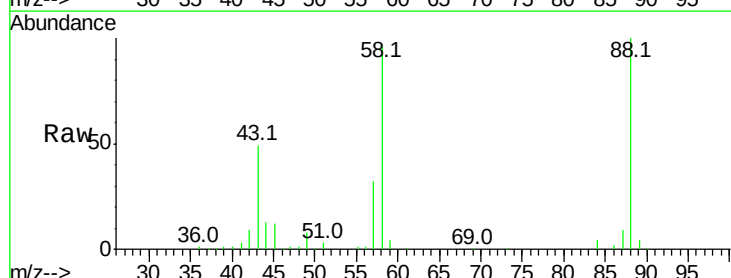
RT: 2.25 min Scan# 14

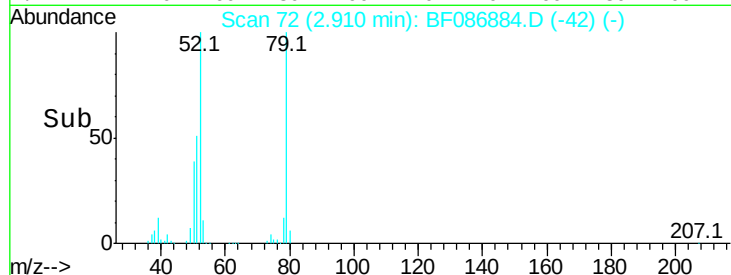
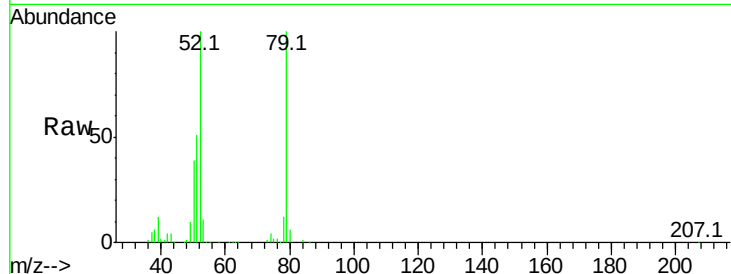
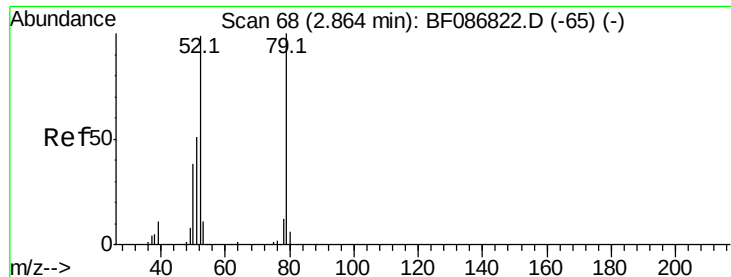
Delta R.T. 0.07 min

Lab File: BF086884.D

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Tgt Ion:	88	Resp:	154150
Ion Ratio	Lower	Upper	
88	100		
58	98.9	59.6	89.4#
43	52.4	21.8	32.6#





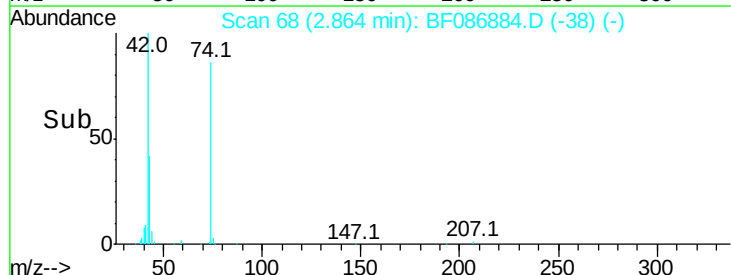
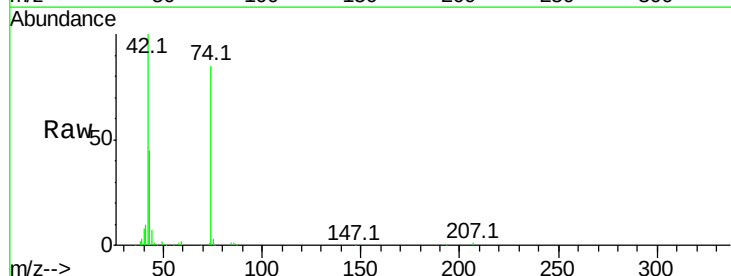
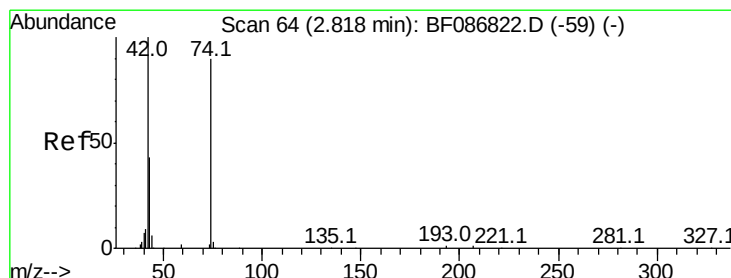
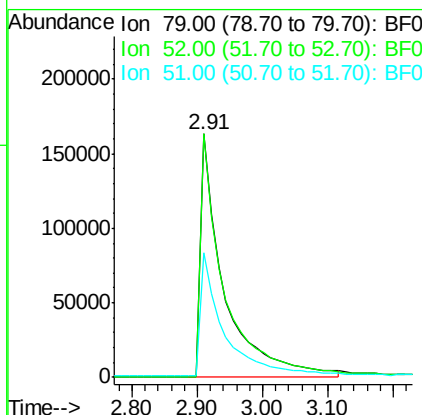
#3
Pvridine
Concen: 39.69 ng
RT: 2.91 min Scan# 72
Delta R.T. 0.05 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tot Ion	Ratio	Lower	Upper
79	100		
52	100.1	55.9	83.9#
51	51.3	28.1	42.1#

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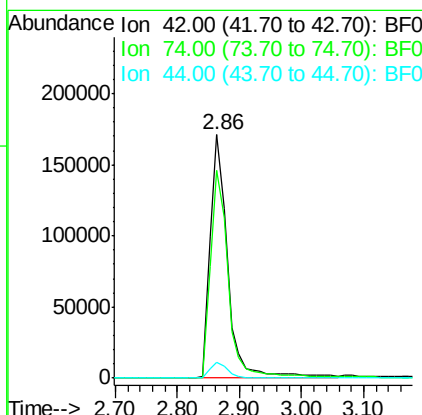
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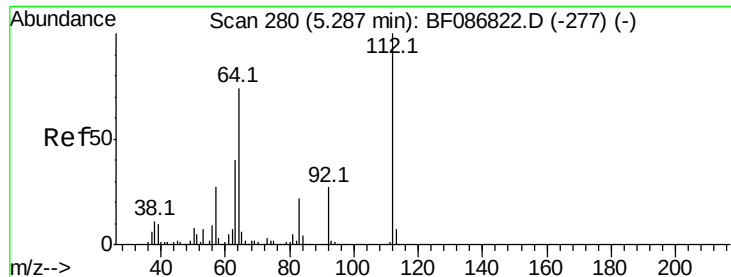
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#4
n-Nitrosodimethylamine
Concen: 43.94 ng
RT: 2.86 min Scan# 68
Delta R.T. 0.05 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
42	100		
74	85.4	123.4	185.0#
44	6.6	5.8	8.6





#5

2-Fluorophenol

Concen: 121.23 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

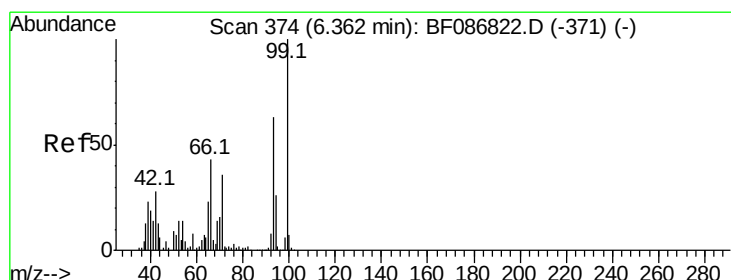
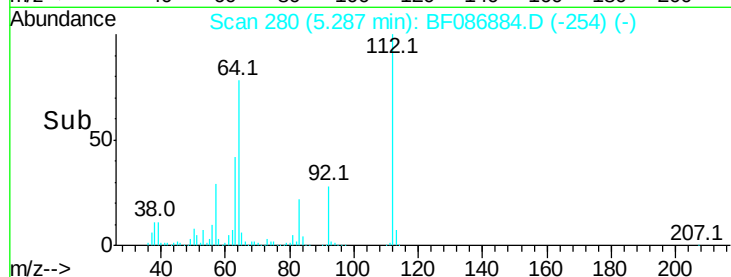
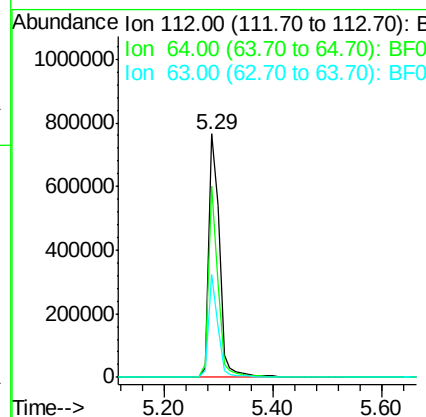
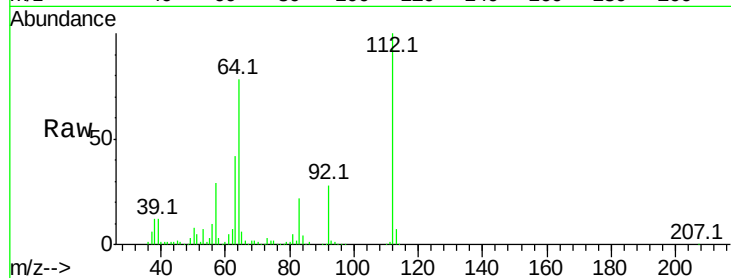
VITALE-FILL-CSPH3-7KMS

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Tot Ion:	112	Resp:	1042548
Ion Ratio	Lower	Upper	
112	100		
64	78.5	52.1	78.1#
63	42.4	25.7	38.5#



#6

Aniline

Concen: 8.17 ng

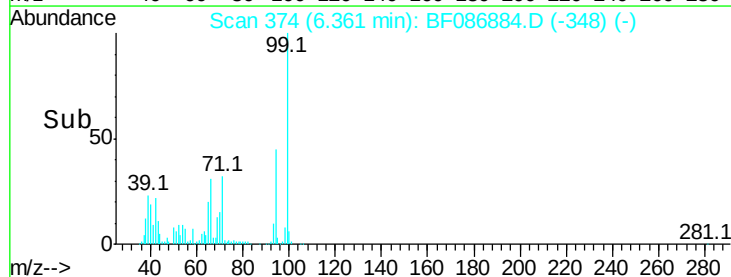
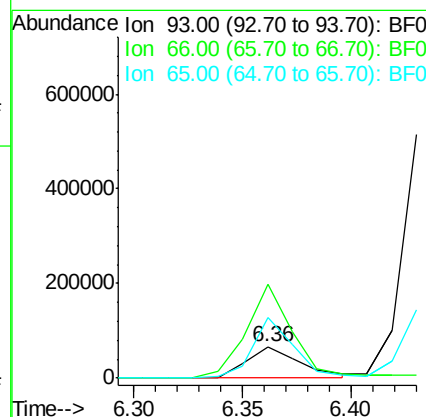
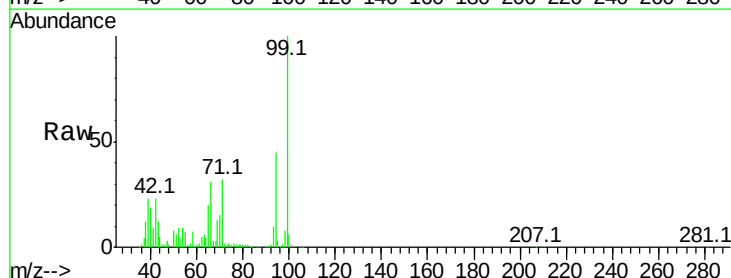
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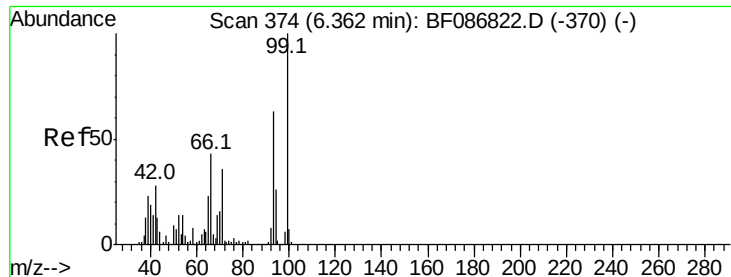
Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:	93	Resp:	113626
Ion Ratio	Lower	Upper	
93	100		
66	296.1	39.0	58.6#
65	193.0	20.6	31.0#





#7

Phenol-d6

Concen: 114.83 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

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BNA_F

ClientSampleId :

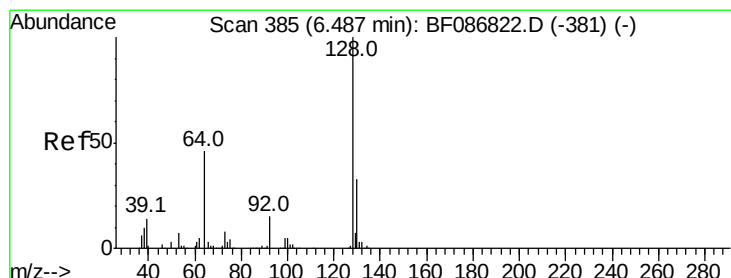
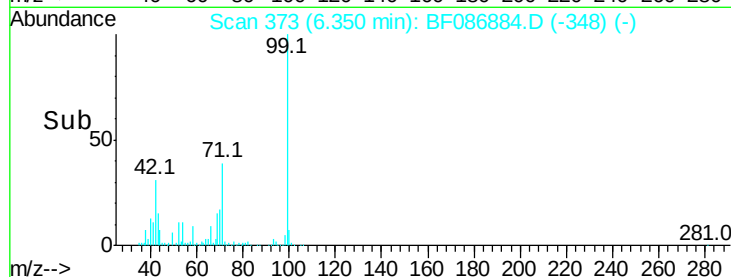
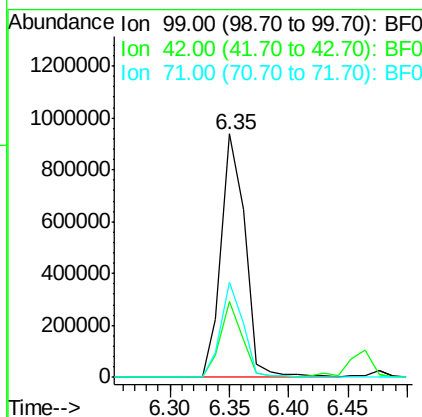
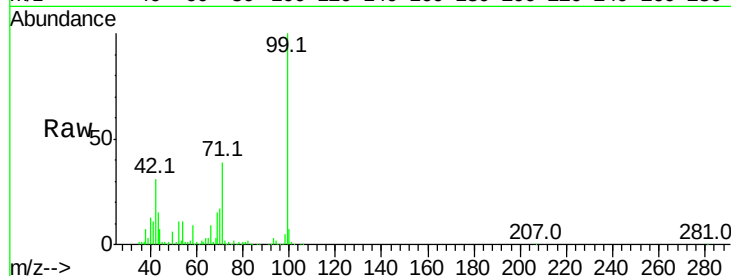
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Tot Ion	99	Resp	1319759
Ion	Ratio	Lower	Upper
99	100		
42	31.1	13.6	20.4#
71	39.0	24.6	36.8#



#8

2-Chlorophenol

Concen: 39.27 ng

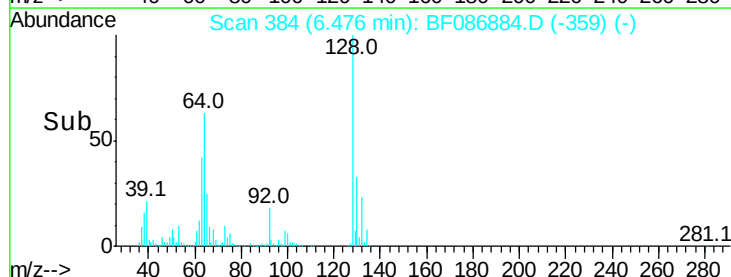
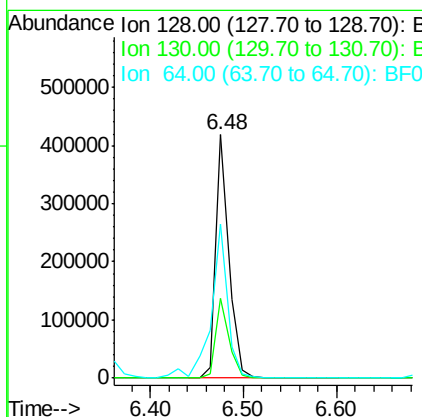
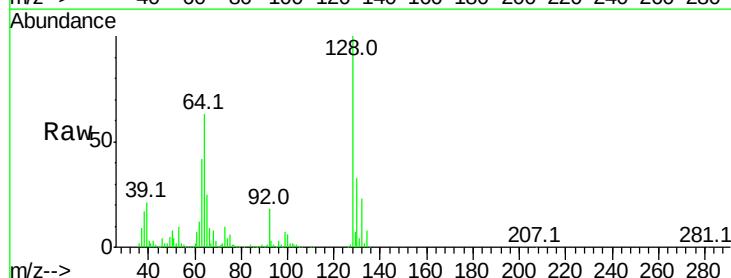
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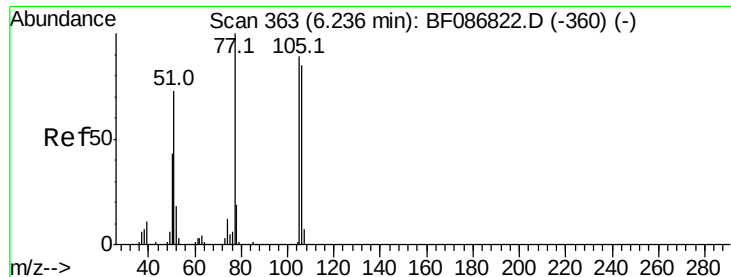
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	128	Resp	407525
Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	63.1	27.3	67.3





#9

Benzaldehyde

Concen: 5.95 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

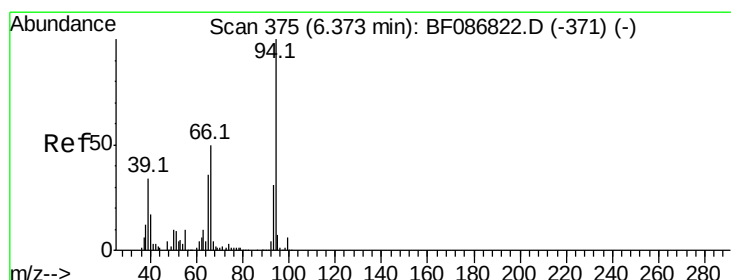
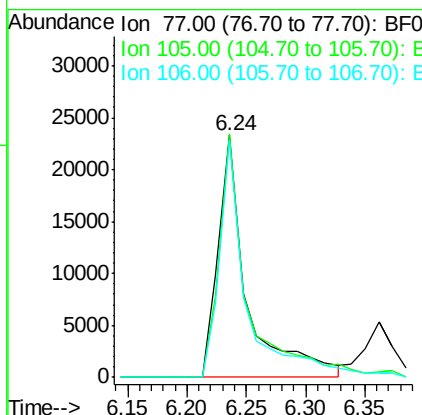
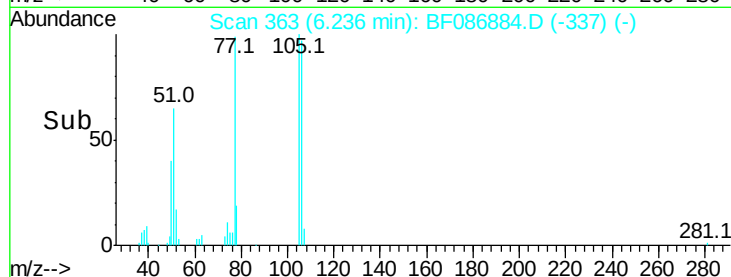
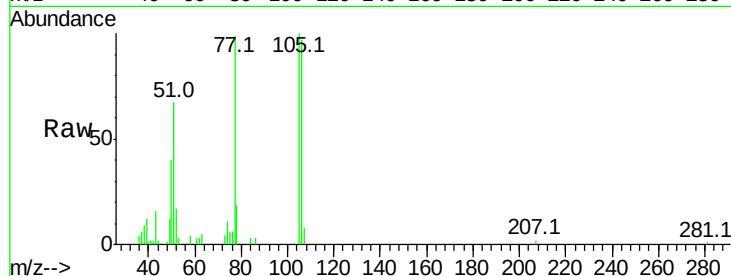
VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ion	Ratio	Lower	Upper
77	100			
105	100.6	72.7	112.7	
106	97.8	70.8	110.8	



#10

Phenol

Concen: 31.00 ng

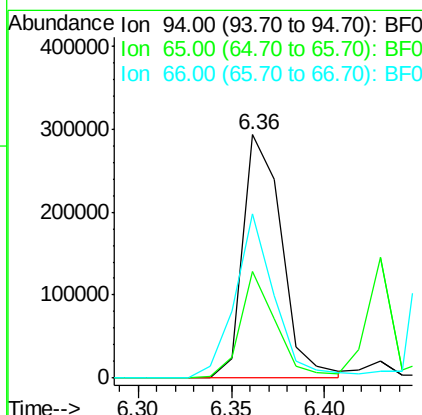
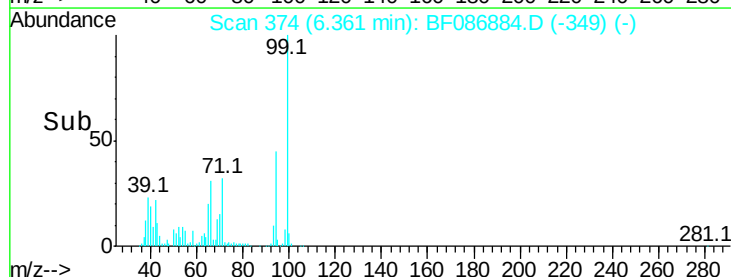
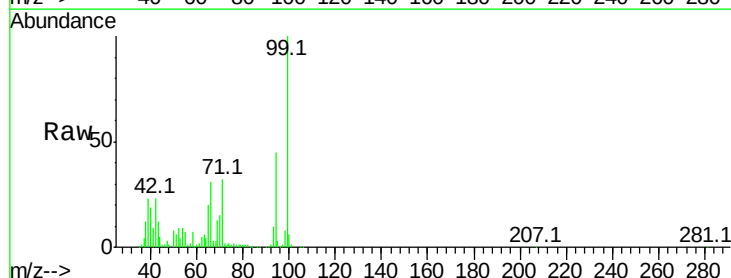
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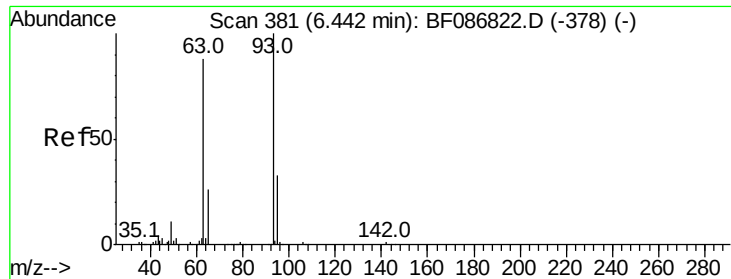
Delta R.T. -0.01 min

Lab File: BF086884.D

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Tgt Ion	Ion	Ratio	Lower	Upper
94	100			
65	43.9	7.2	47.2	
66	67.4	14.9	54.9#	





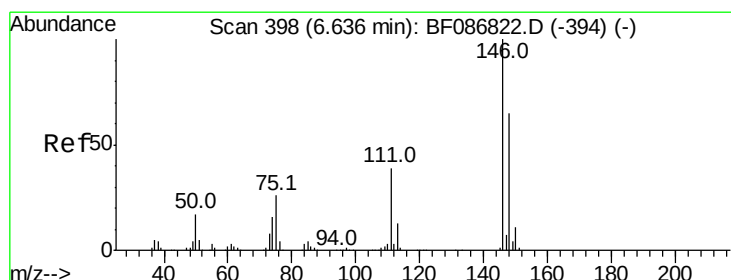
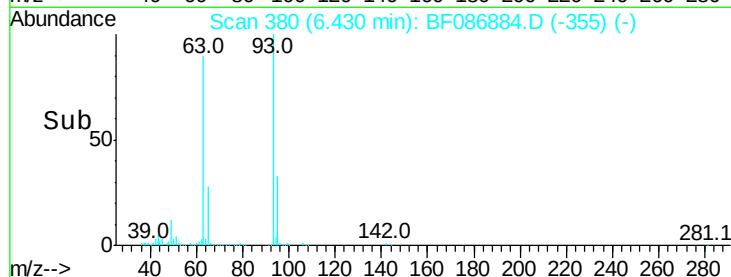
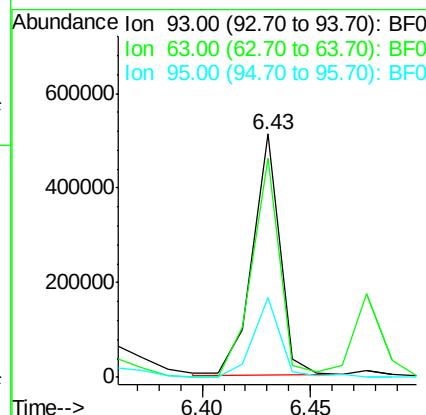
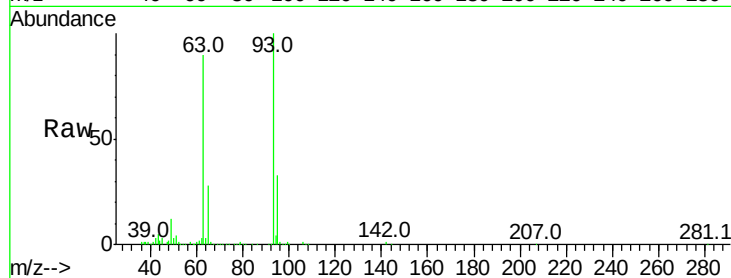
#11
bis(2-Chloroethyl)ether
Concen: 41.44 ng
RT: 6.43 min Scan# 380
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	441409		
63	90.0	58.0	98.0	
95	32.8	11.9	51.9	

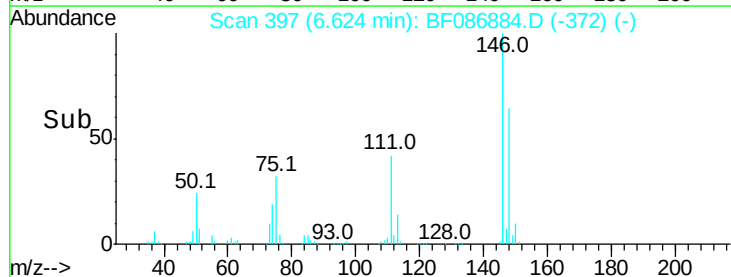
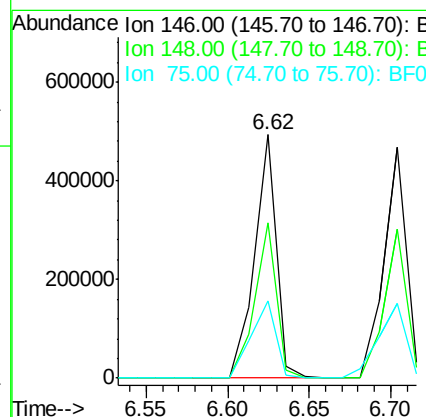
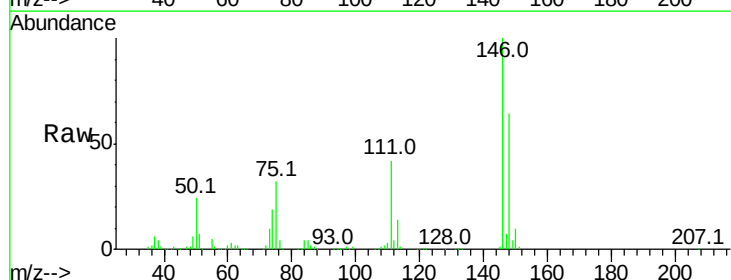
Manual Integrations
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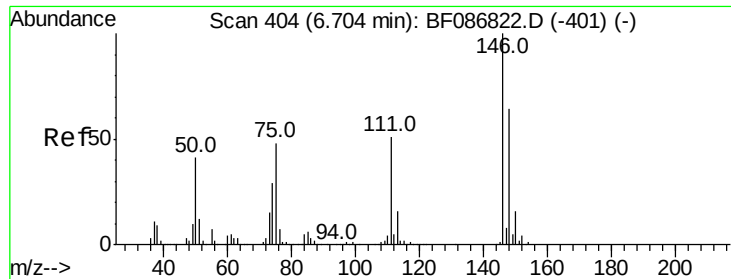
sohil
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#12
1,3-Dichlorobenzene
Concen: 40.78 ng
RT: 6.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	457971		
148	63.6	52.4	78.6	
75	31.6	22.8	34.2	





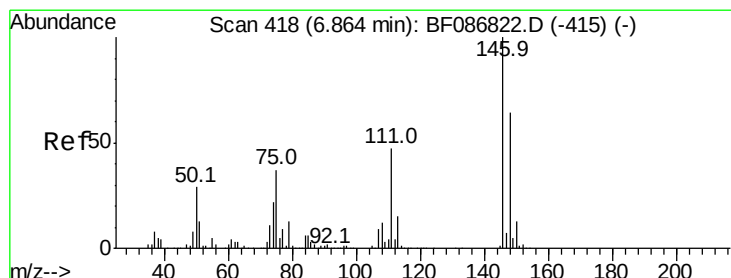
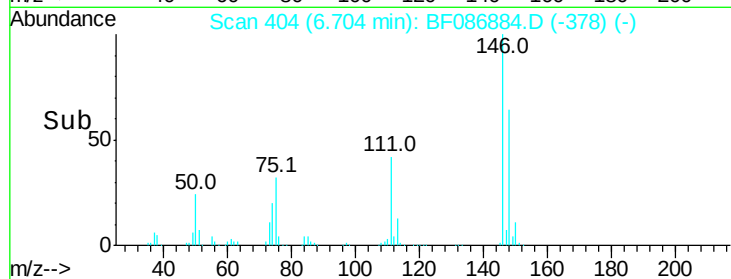
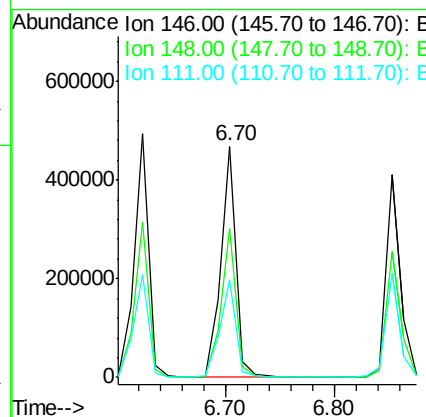
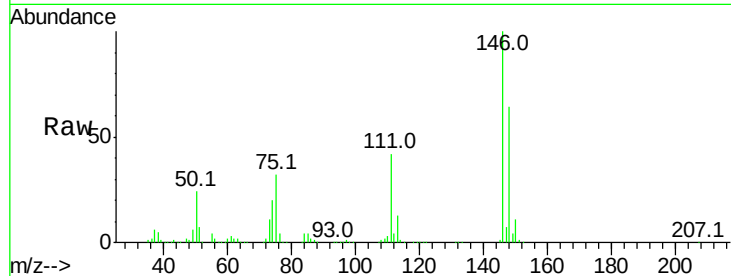
#13
 1,4-Dichlorobenzene
 Concen: 39.99 ng
 RT: 6.70 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.3	52.2	78.4
111	42.2	30.7	46.1

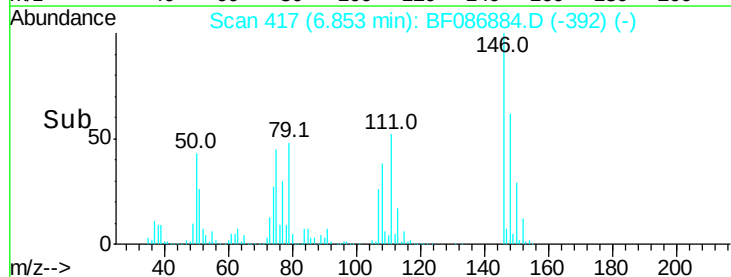
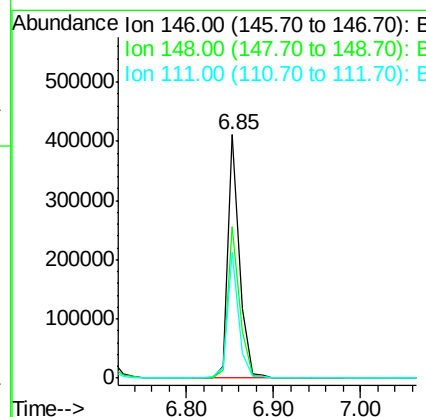
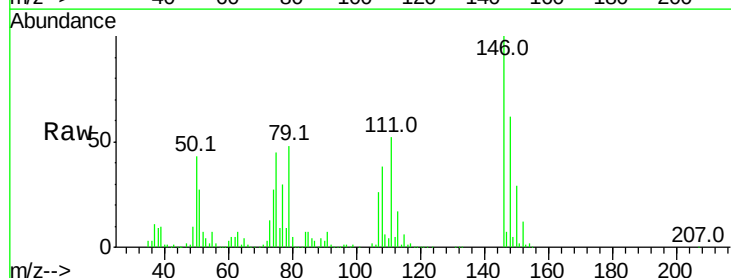
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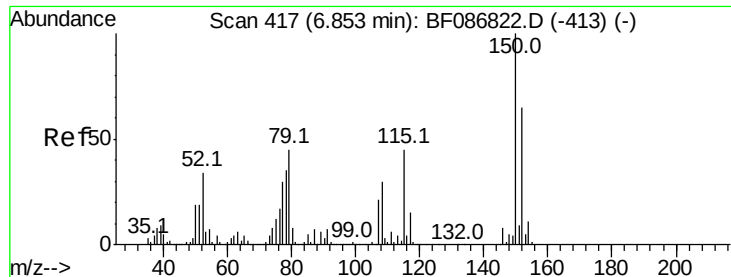
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#14
 1,2-Dichlorobenzene
 Concen: 38.84 ng
 RT: 6.85 min Scan# 417
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.0	76.6
111	51.6	36.2	54.4





#15

Benzyl Alcohol

Concen: 43.30 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion: 79 Resp: 343624

Ion Ratio Lower Upper

79 100

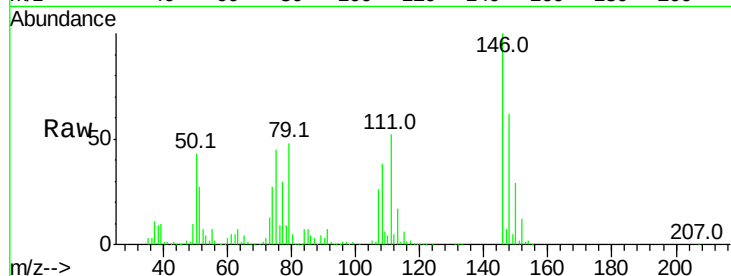
108 78.9 68.4 102.6

77 63.4 50.6 76.0

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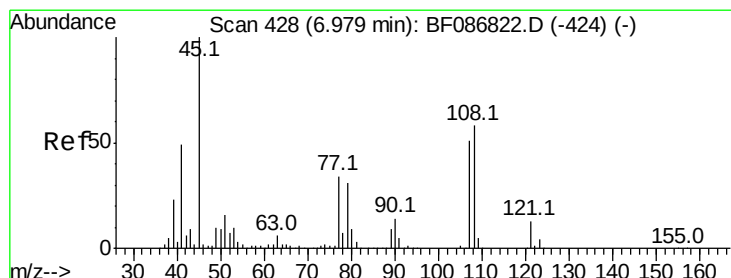
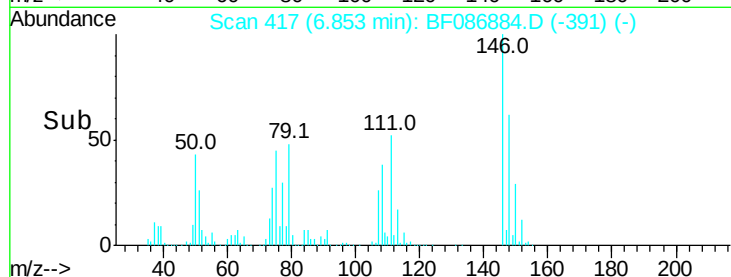
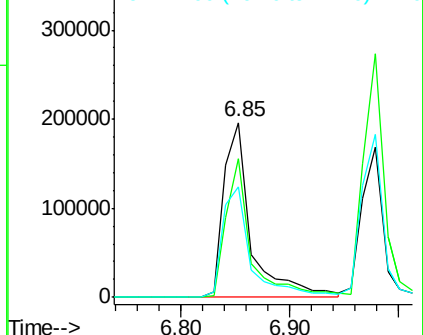
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Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.92 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

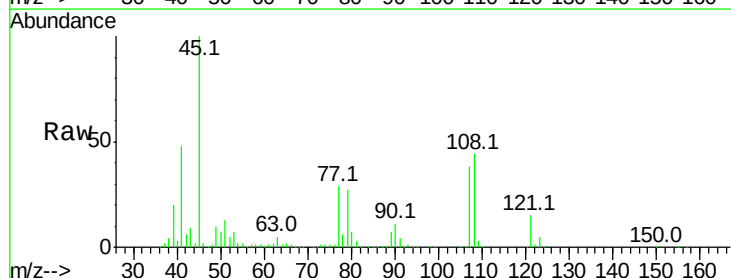
Tgt Ion: 45 Resp: 901271

Ion Ratio Lower Upper

45 100

77 29.2 0.0 36.4

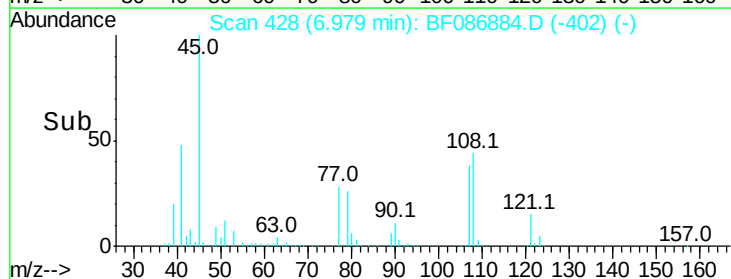
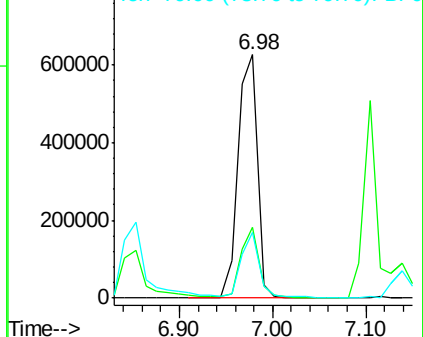
79 26.9 0.0 33.4

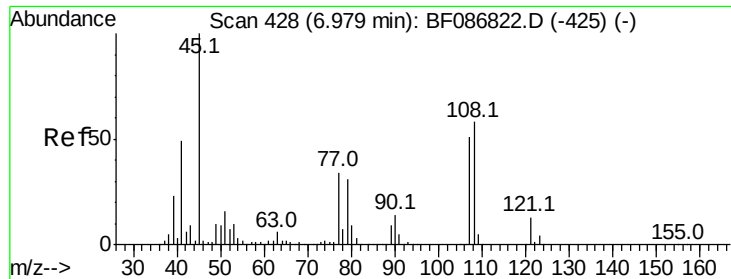


Abundance Ion 45.00 (44.70 to 45.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0





#17

2-Methylphenol

Concen: 37.96 ng

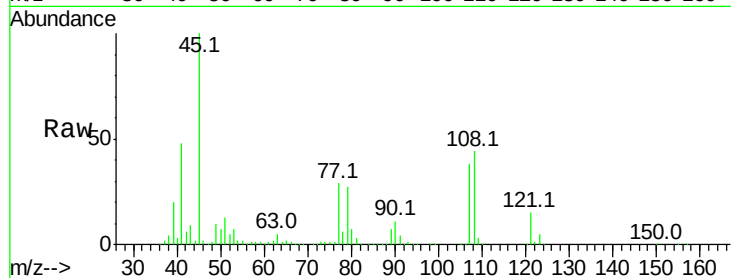
RT: 6.98 min Scan# 428

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

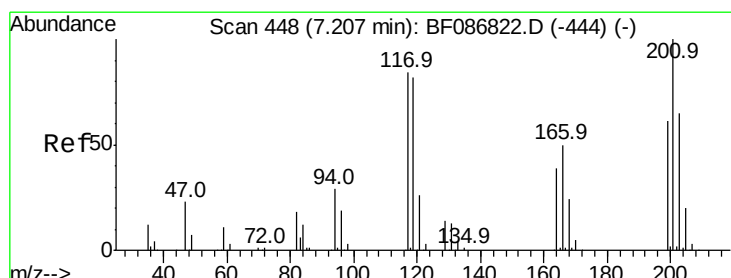
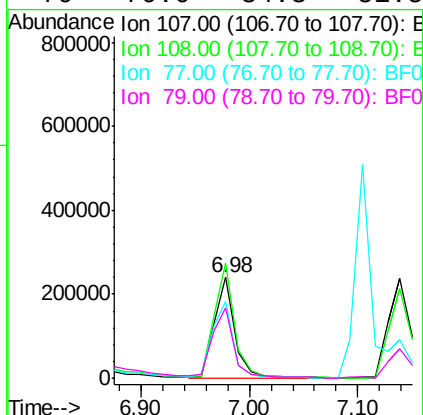
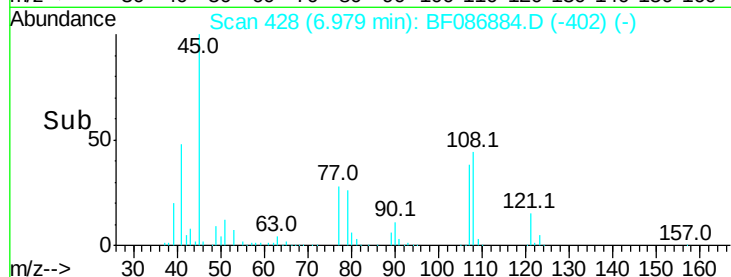
Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS



Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.5	93.7	140.5	
77	76.1	33.4	50.0	
79	70.0	34.3	51.5	

Manual Integrations
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#18

Hexachloroethane

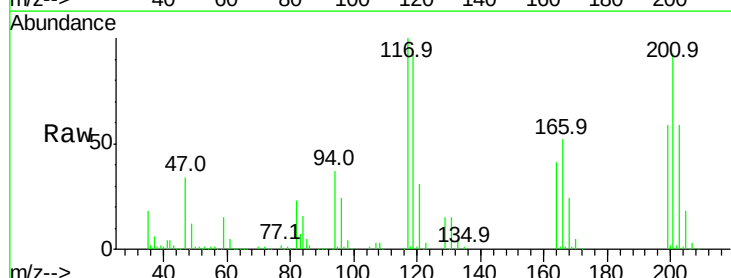
Concen: 40.08 ng

RT: 7.20 min Scan# 447

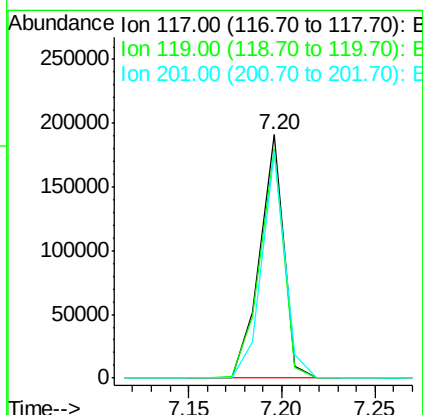
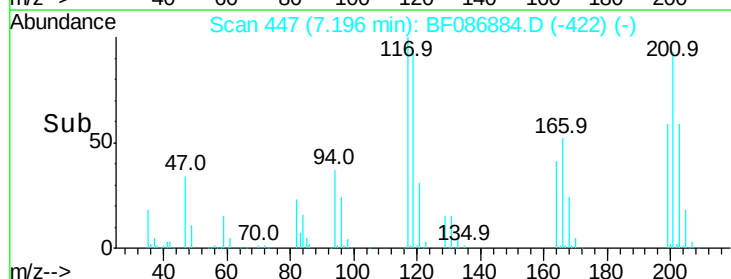
Delta R.T. -0.01 min

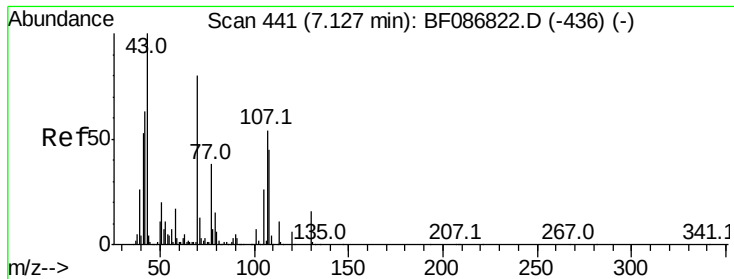
Lab File: BF086884.D

Acq: 11 May 2016 6:38



Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.2	76.5	114.7	
201	93.1	63.0	94.6	





#19

n-Nitroso-di-n-propylamine

Concen: 41.29 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

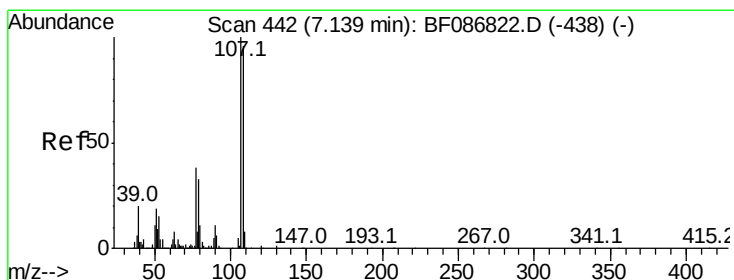
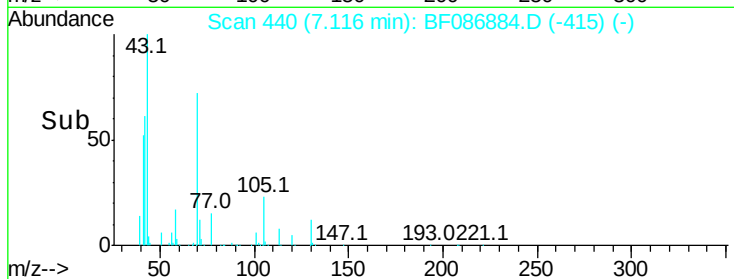
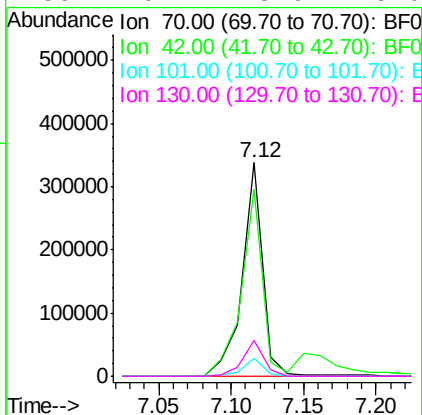
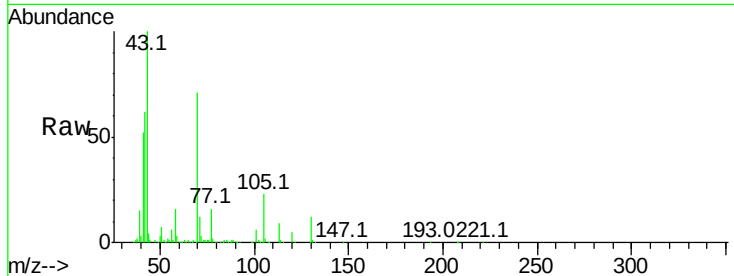
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ratio	Lower	Upper
70	100		
42	87.7	43.1	64.7#
101	8.3	8.1	12.1
130	16.7	18.6	28.0#



#20

3+4-Methylphenols

Concen: 39.53 ng

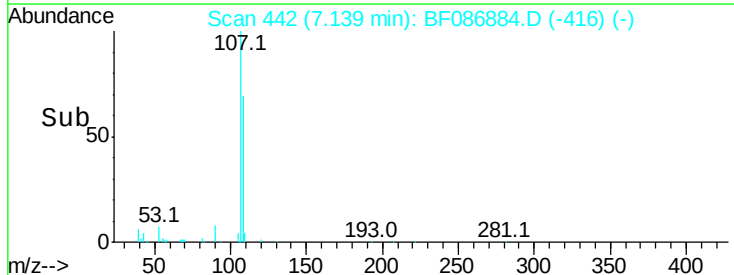
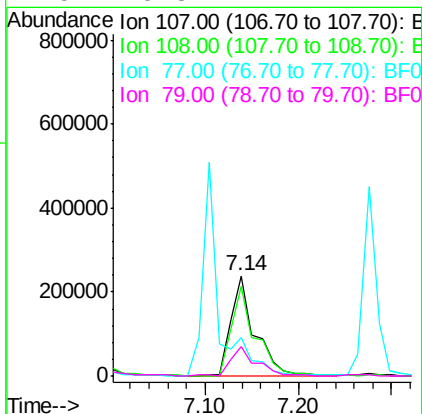
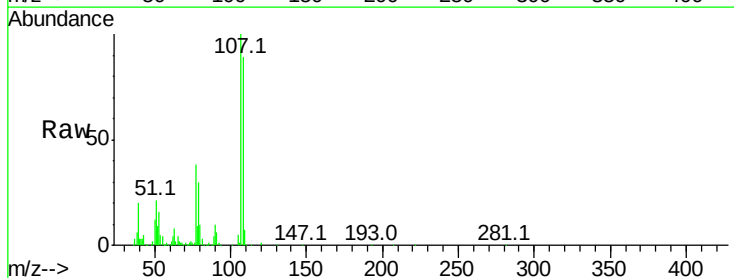
RT: 7.14 min Scan# 442

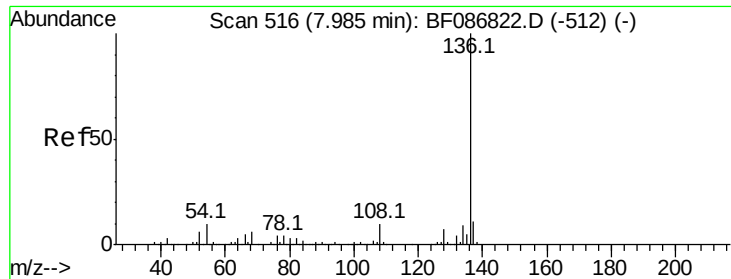
Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.5	108.5
77	38.1	101.6	141.6#
79	29.8	7.4	47.4





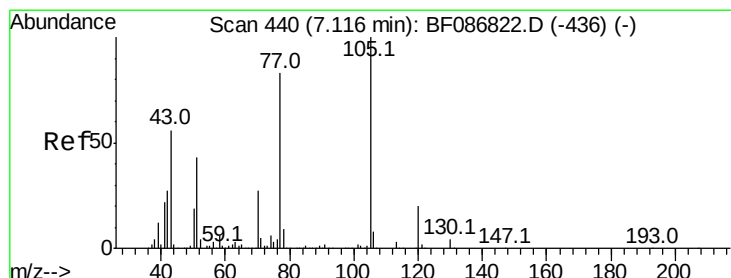
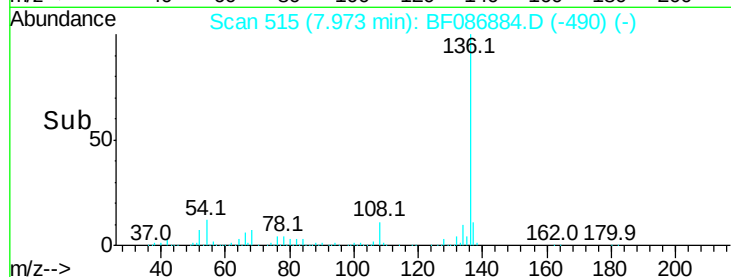
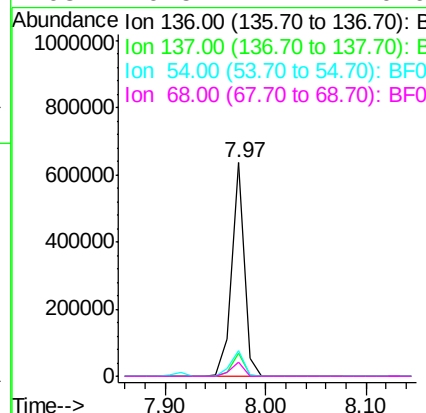
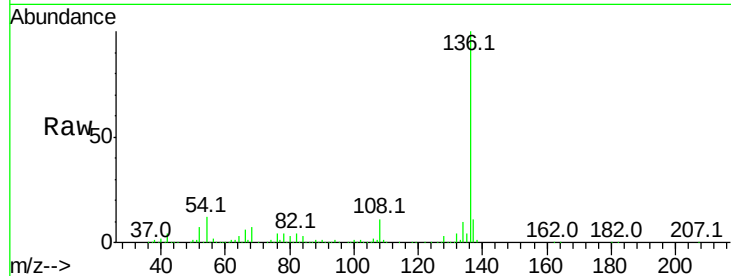
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.8	13.2	
54	12.0	5.0	7.4	
68	6.5	4.4	6.6	

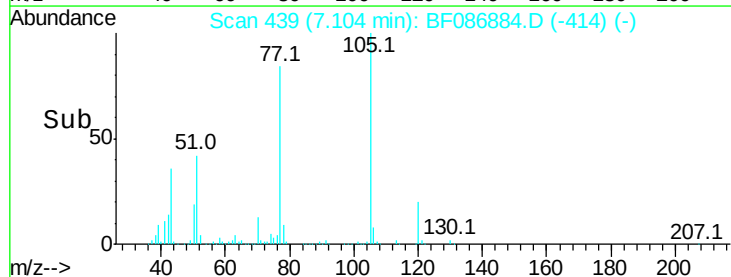
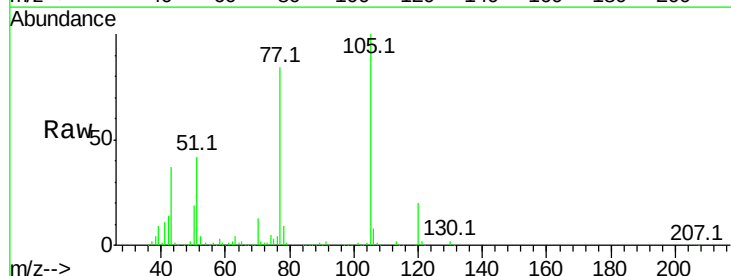
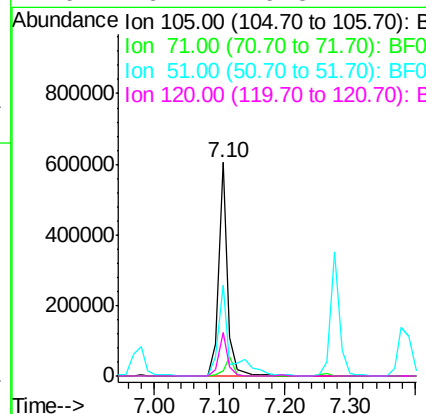
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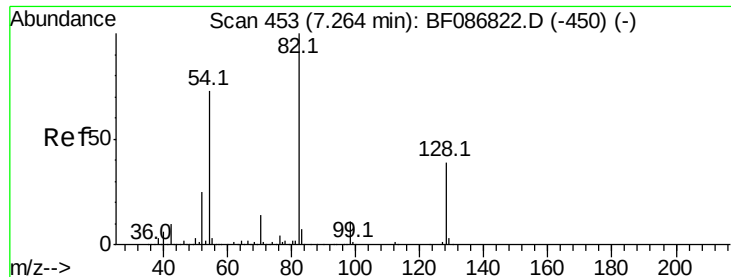
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#22
Acetophenone
Concen: 44.73 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	2.2	4.8	7.2	
51	42.4	32.6	49.0	
120	20.4	16.5	24.7	





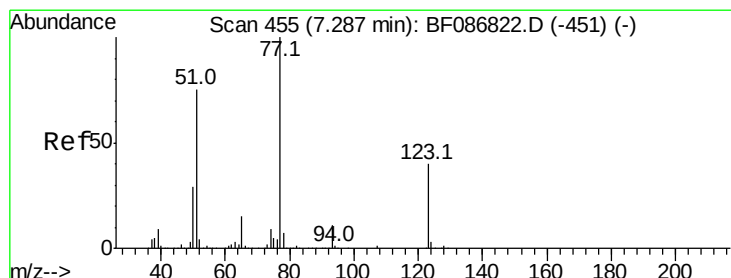
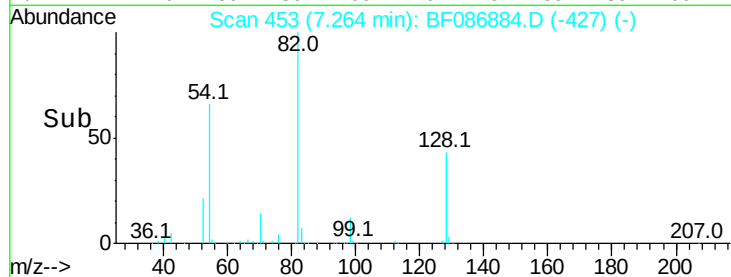
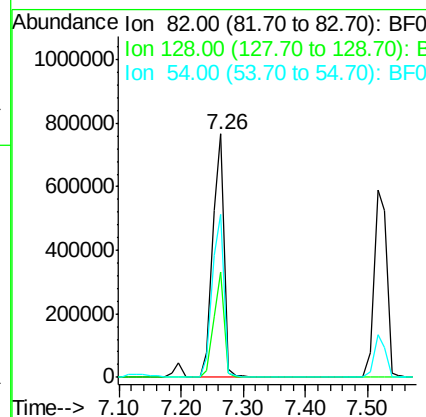
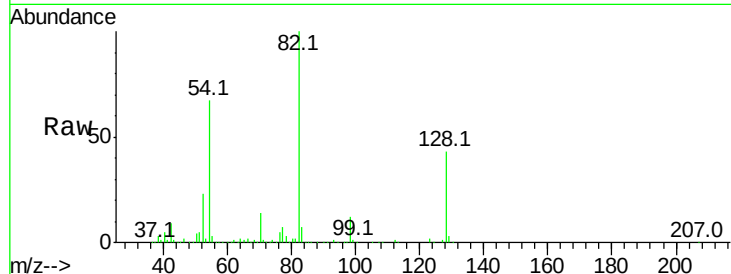
#23
 Nitrobenzene-d5
 Concen: 88.04 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.1	40.6	61.0	
54	66.8	38.1	57.1	

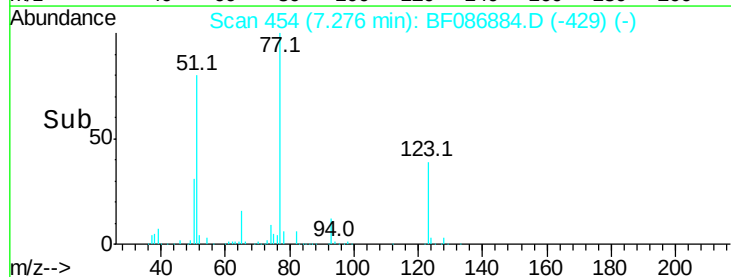
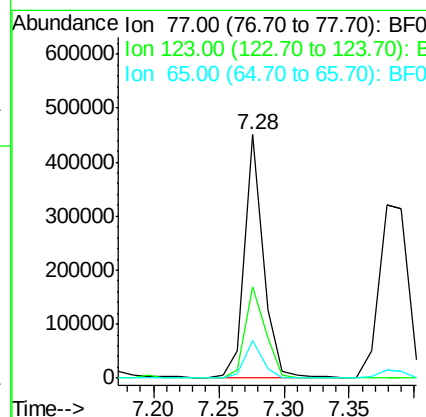
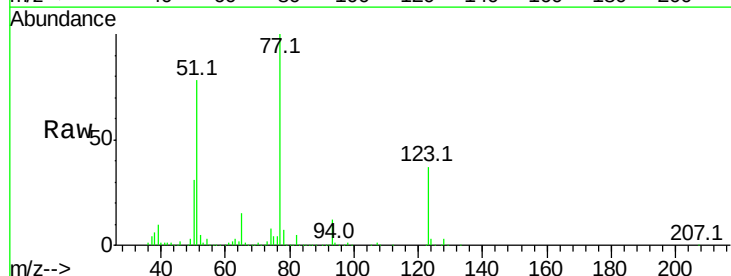
Manual Integrations
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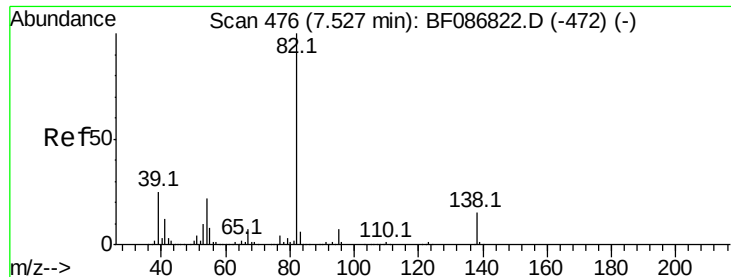
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#24
 Nitrobenzene
 Concen: 38.81 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
77	100			
123	37.2	33.0	49.4	
65	15.2	10.8	16.2	





#25

Isophorone

Concen: 40.50 ng

RT: 7.52 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

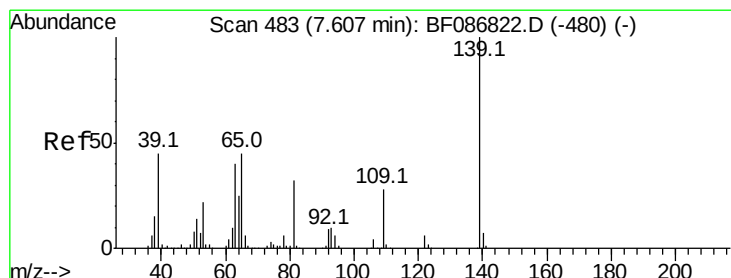
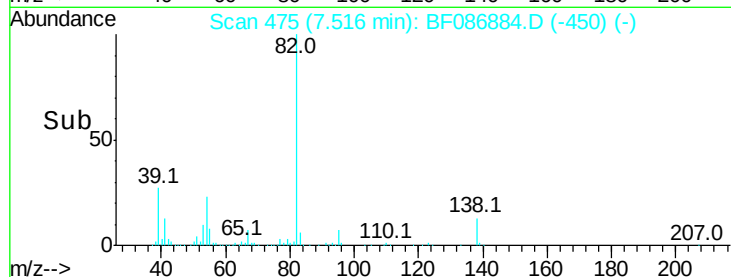
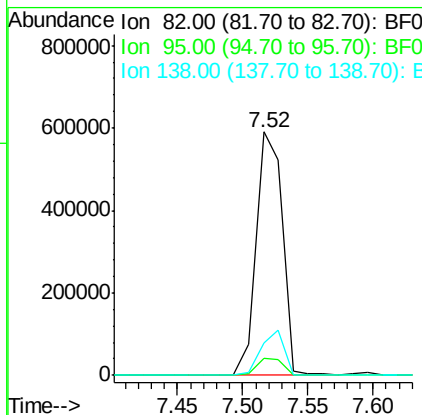
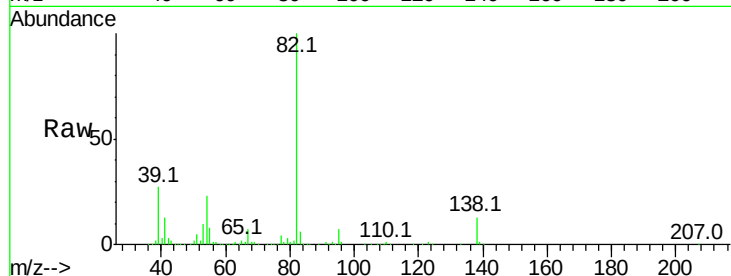
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

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Tot Ion	82	Resp	829053
Ion Ratio	Lower	Upper	
82	100		
95	6.8	5.1	7.7
138	13.2	12.4	18.6



#26

2-Nitrophenol

Concen: 42.92 ng

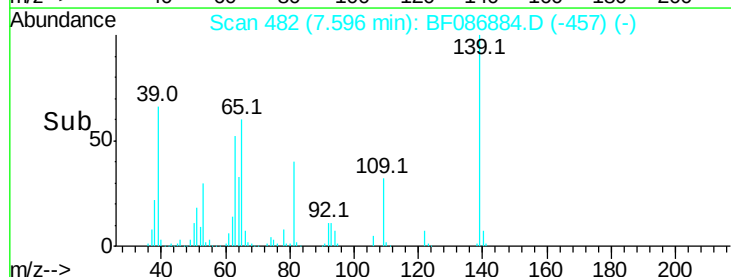
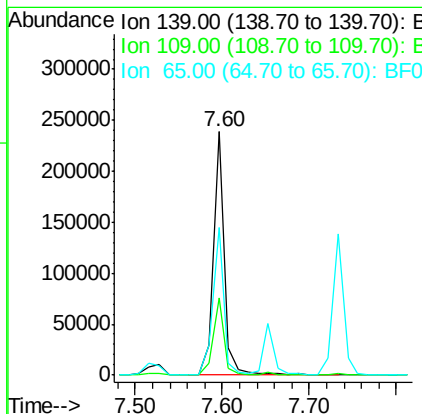
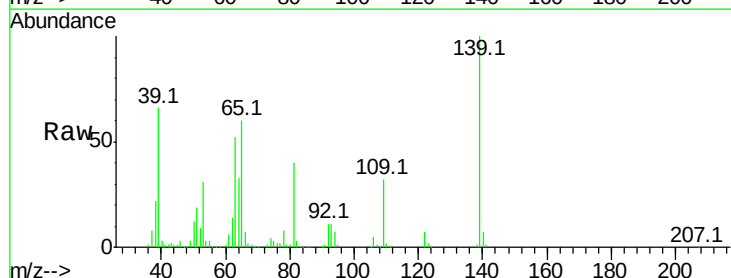
RT: 7.60 min Scan# 482

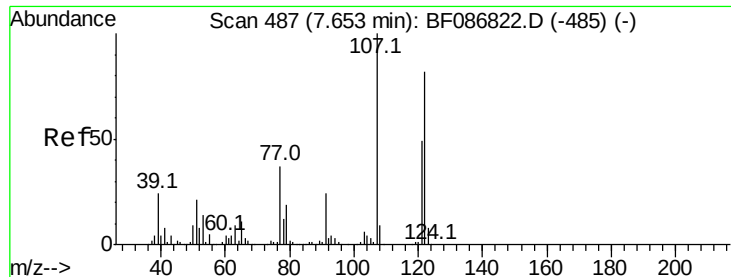
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	139	Resp	214160
Ion Ratio	Lower	Upper	
139	100		
109	31.7	19.5	29.3#
65	60.5	37.5	56.3#





#27

2,4-Dimethylphenol

Concen: 39.31 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

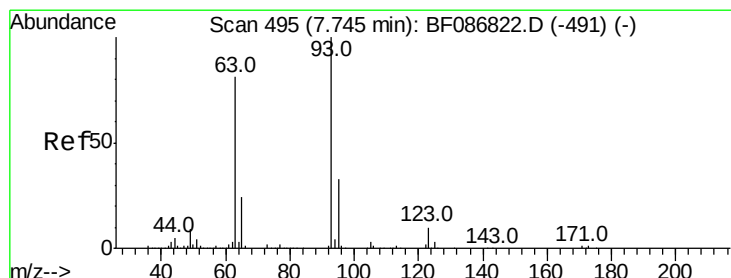
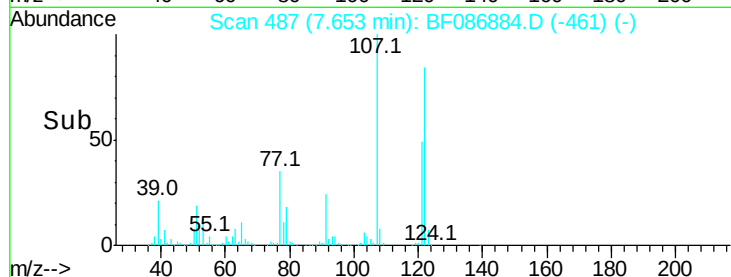
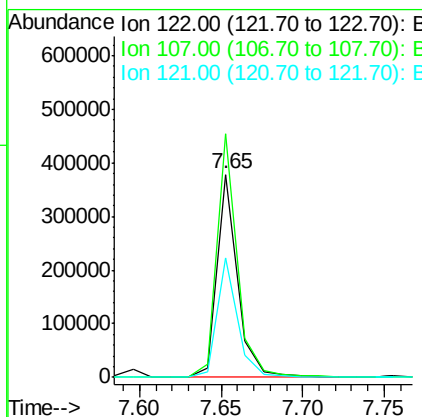
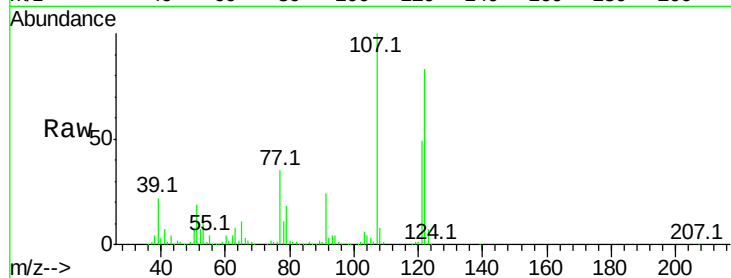
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:	122	Resp:	334122
Ion Ratio	Lower	Upper	
122	100		
107	119.9	82.0	123.0
121	58.6	46.1	69.1

Manual Integrations
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#28

bis(2-Chloroethoxy)methane

Concen: 44.71 ng

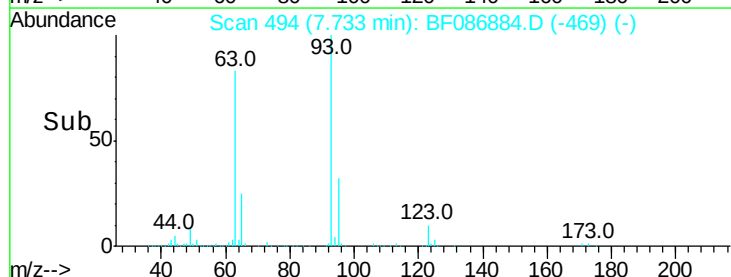
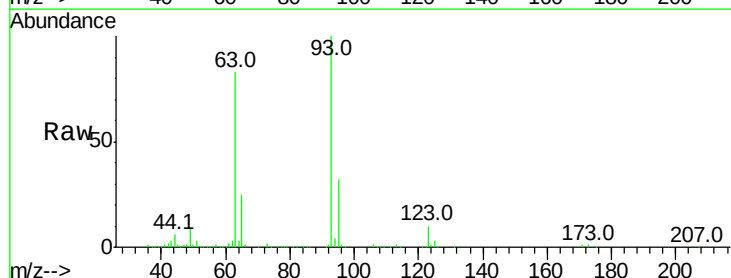
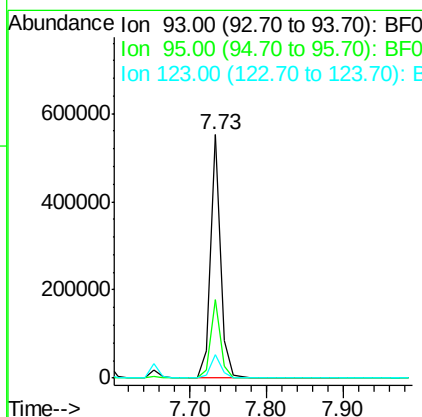
RT: 7.73 min Scan# 494

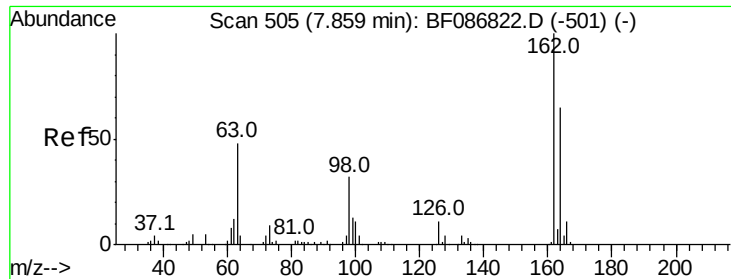
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:	93	Resp:	493673
Ion Ratio	Lower	Upper	
93	100		
95	32.4	26.0	39.0
123	9.7	9.5	14.3





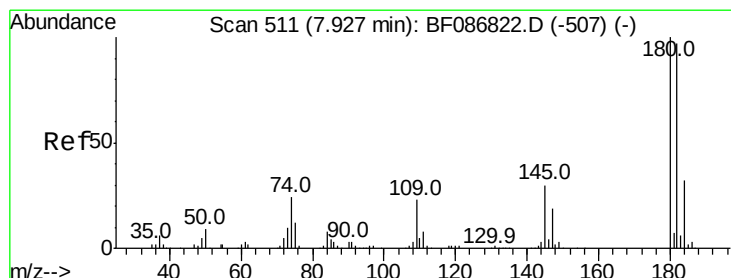
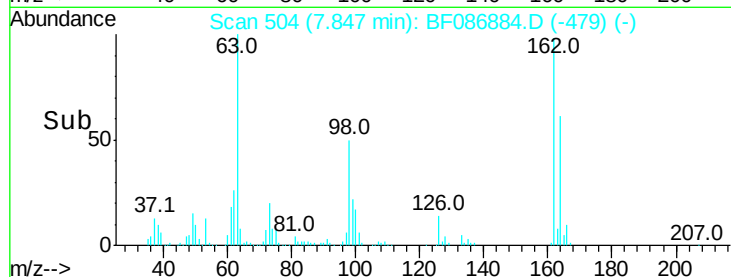
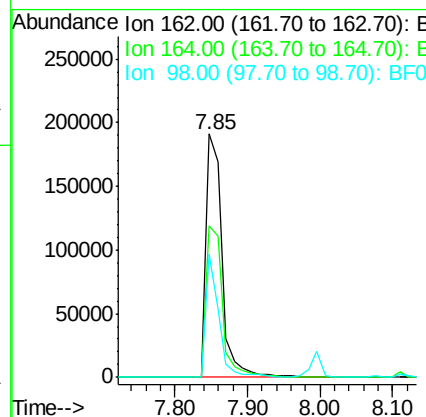
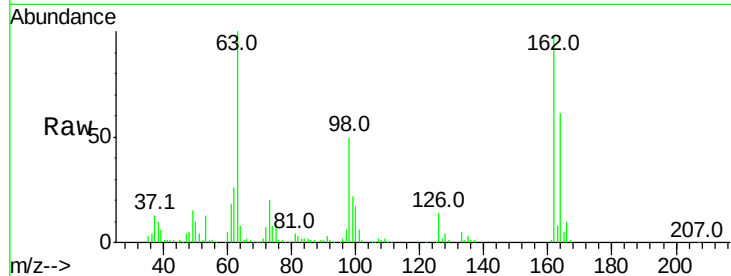
#29
 2,4-Dichlorophenol
 Concen: 39.15 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	62.0	42.2	82.2
98	50.5	19.0	59.0

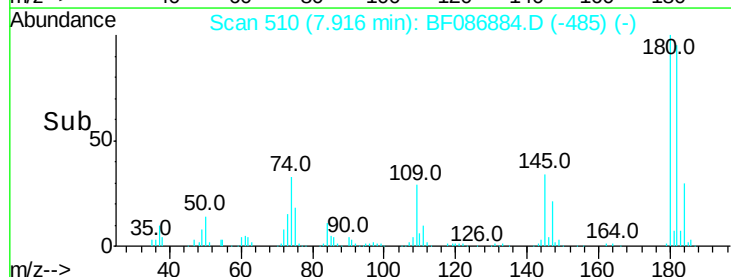
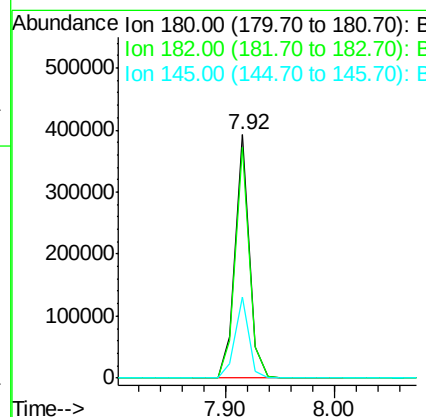
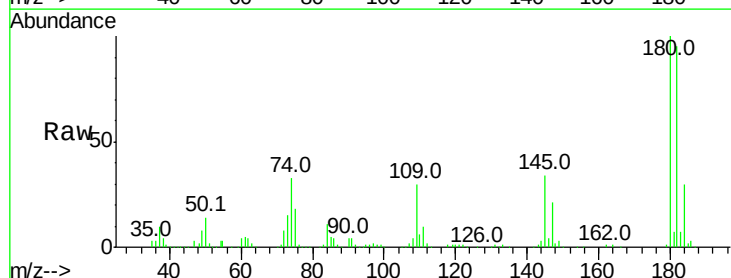
Manual Integrations
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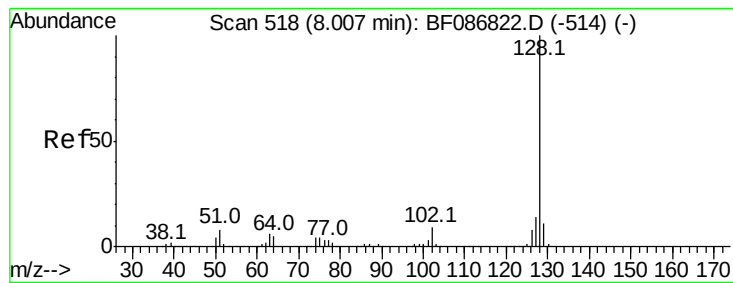
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#30
 1,2,4-Trichlorobenzene
 Concen: 42.17 ng
 RT: 7.92 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.7	78.0	117.0
145	33.5	24.2	36.2





#31

Naphthalene

Concen: 42.50 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

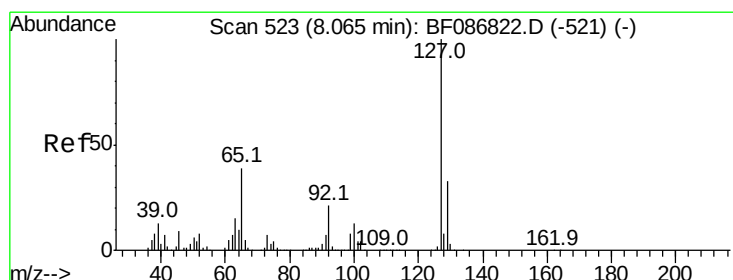
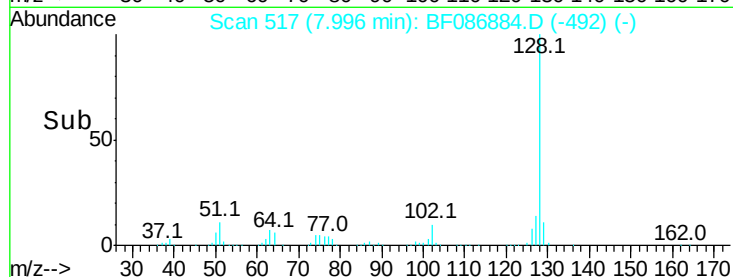
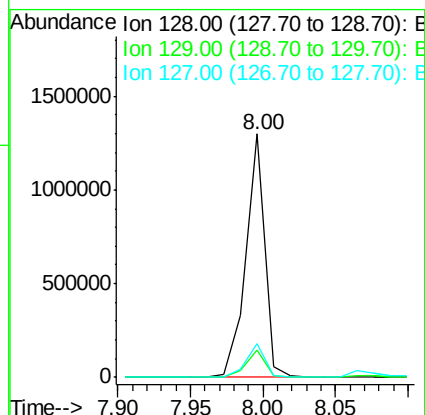
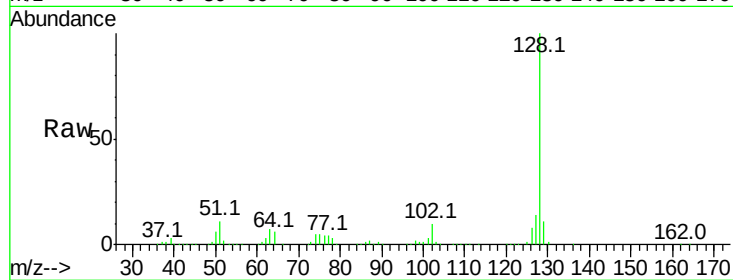
VITALE-FILL-CSPH3-7KMS

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Tot Ion:128	Resp: 1179423		
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.6	13.0
127	13.7	10.8	16.2



#33

4-Chloroaniline

Concen: 6.05 ng

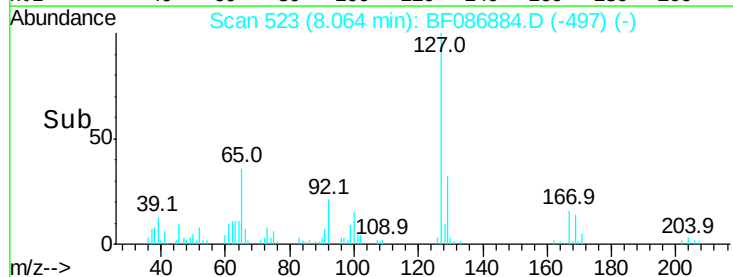
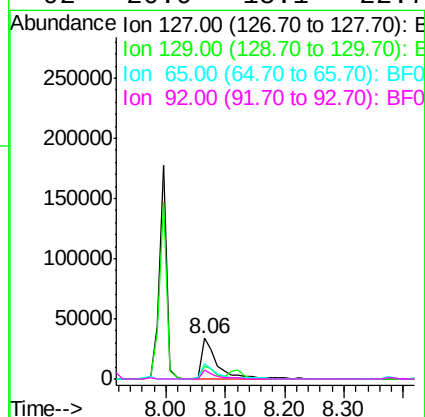
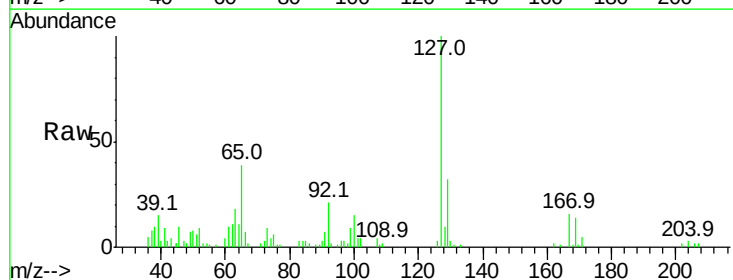
RT: 8.06 min Scan# 523

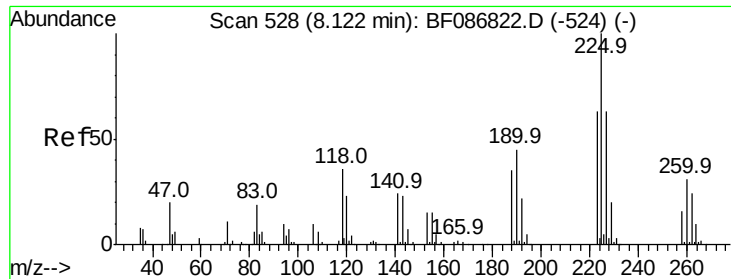
Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt	Ion:127	Resp:	65290
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	38.6	23.0	34.4#
92	20.9	15.1	22.7





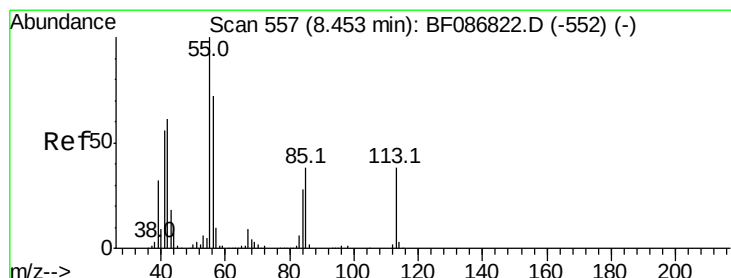
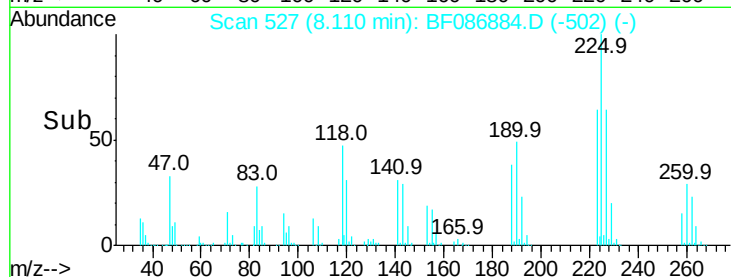
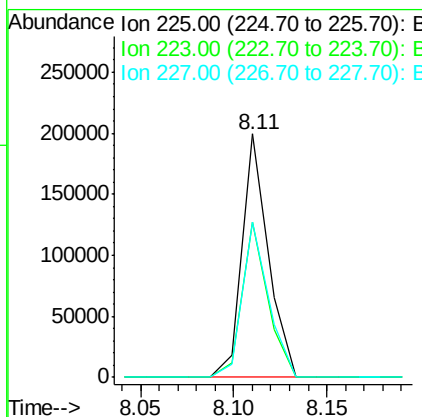
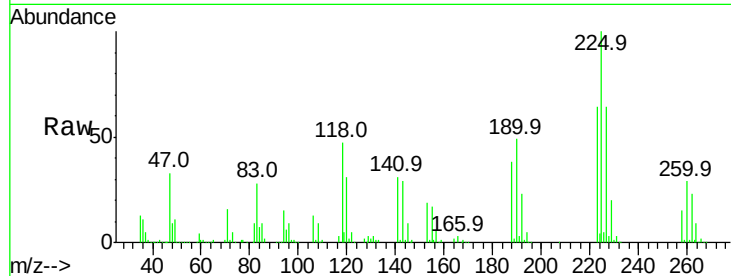
#34
Hexachlorobutadiene
Concen: 40.04 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
225	100	194312		
223	63.8	51.5	77.3	
227	63.8	52.2	78.2	

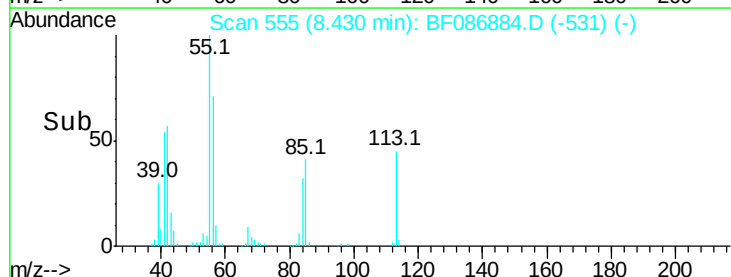
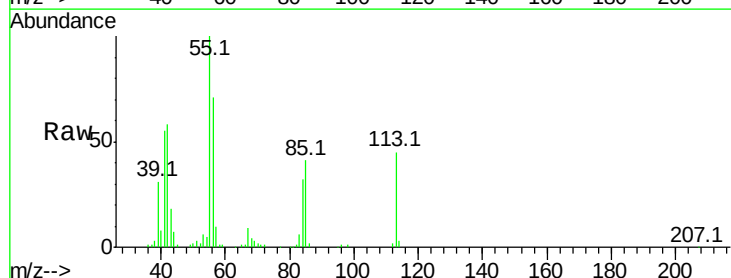
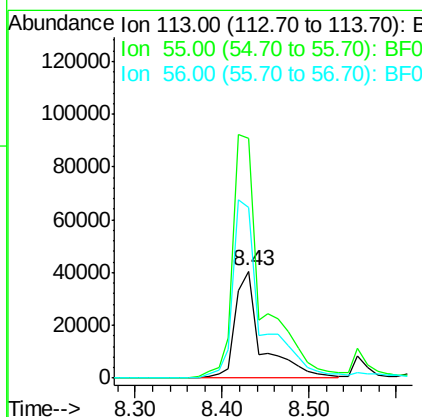
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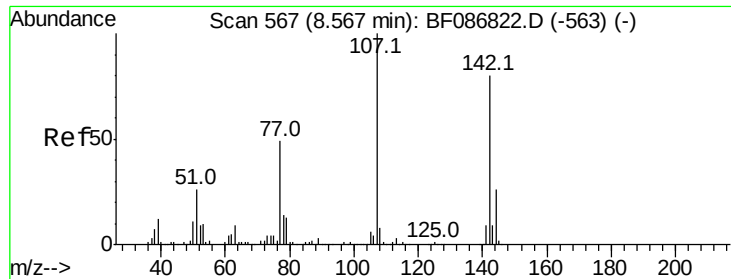
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#35
Caprolactam
Concen: 33.33 ng
RT: 8.43 min Scan# 555
Delta R.T. -0.02 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	84827		
55	224.2	162.0	202.0#	
56	159.7	115.3	155.3#	





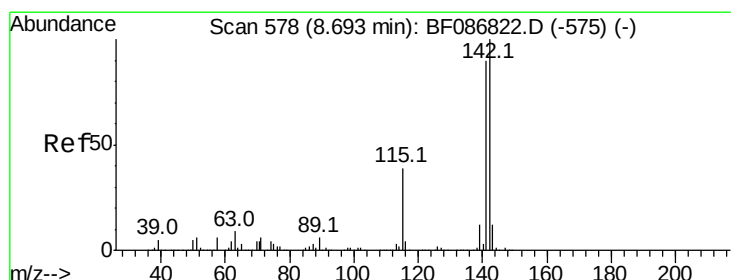
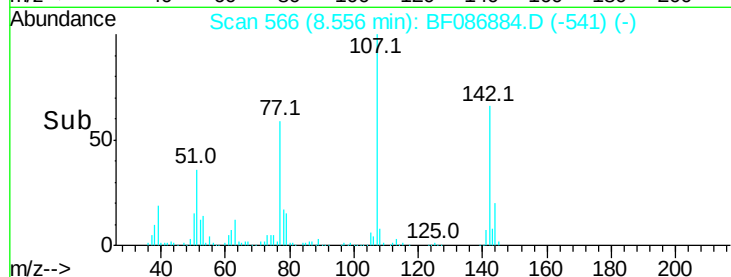
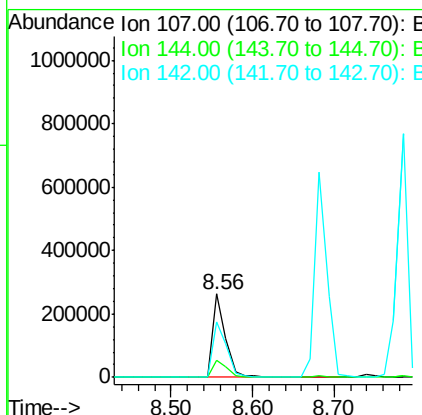
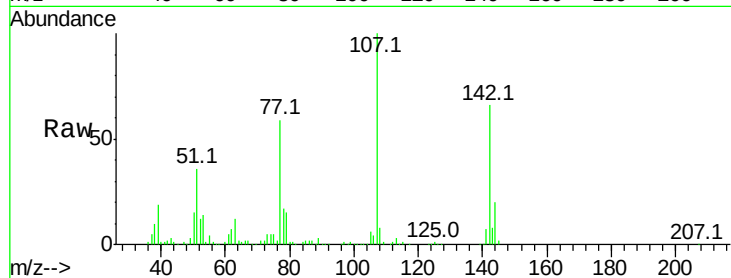
#36
4-Chloro-3-methylphenol
Concen: 32.48 ng
RT: 8.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	294701		
144	20.5	20.7	31.1#	
142	66.3	63.2	94.8	

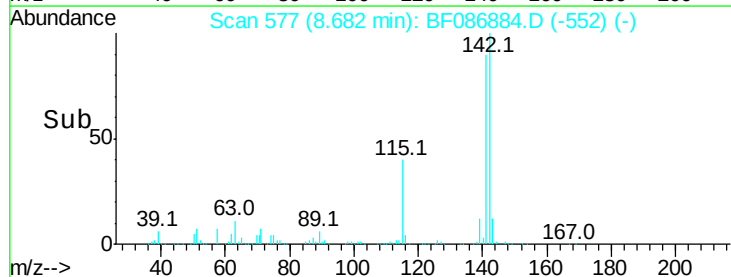
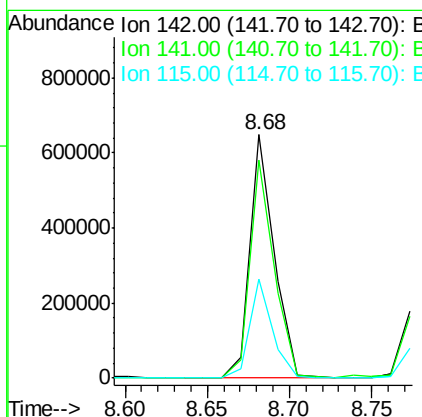
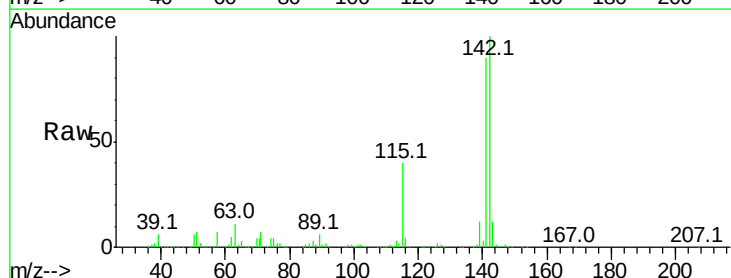
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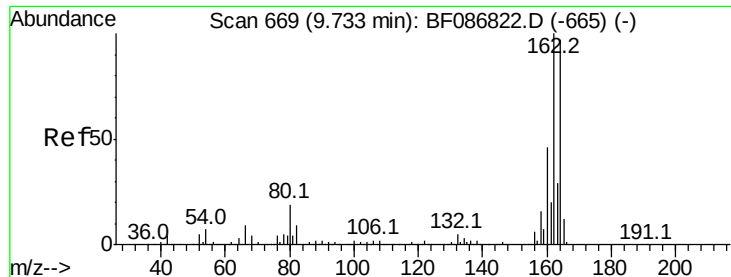
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#37
2-Methylnaphthalene
Concen: 41.43 ng m
RT: 8.68 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	672195		
141	89.6	71.0	106.6	
115	40.4	26.6	39.8#	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

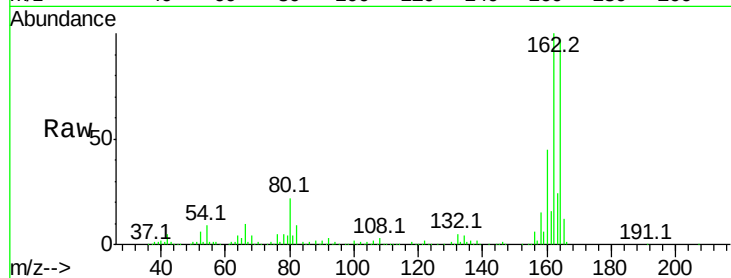
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Manual Integrations
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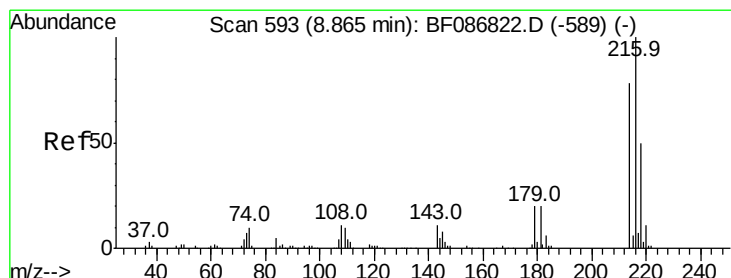
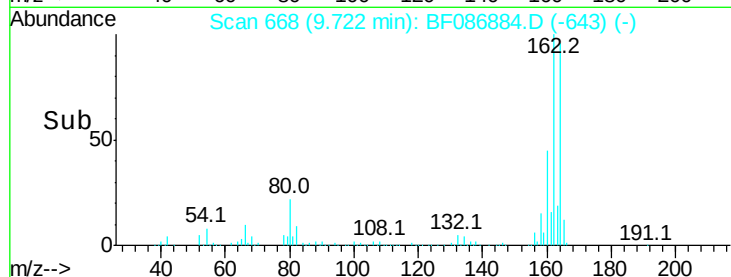
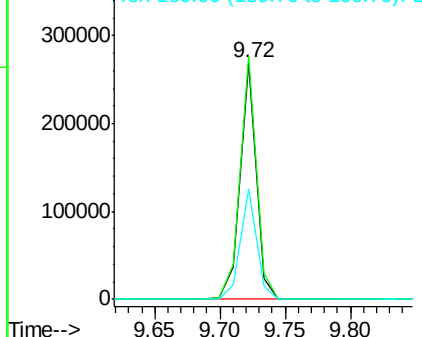
Tot Ion:	164	Resp:	227803
Ion Ratio	Lower	Upper	
164	100		
162	103.1	82.8	124.2
160	46.8	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#39

1,2,4,5-Tetrachlorobenzene

Concen: 48.79 ng

RT: 8.85 min Scan# 592

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

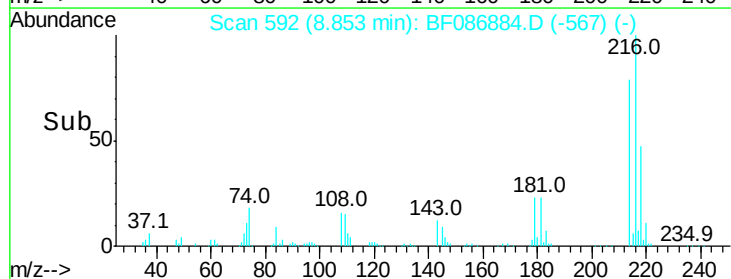
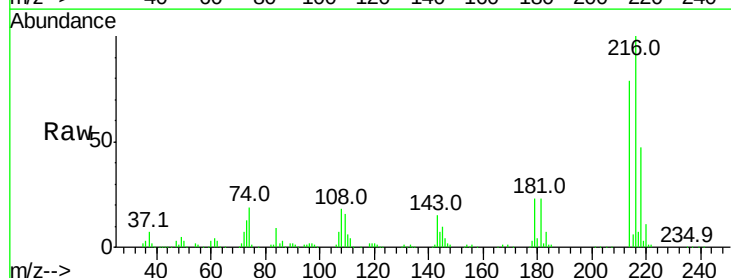
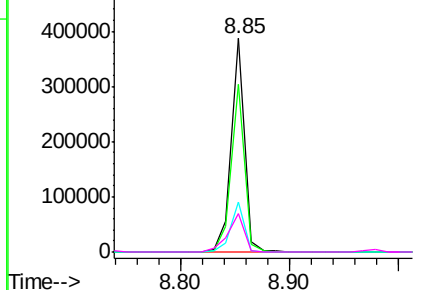
Tgt Ion:	216	Resp:	323173
Ion Ratio	Lower	Upper	
216	100		
214	79.1	62.6	93.8
179	23.9	18.2	27.4
108	22.8	17.5	26.3

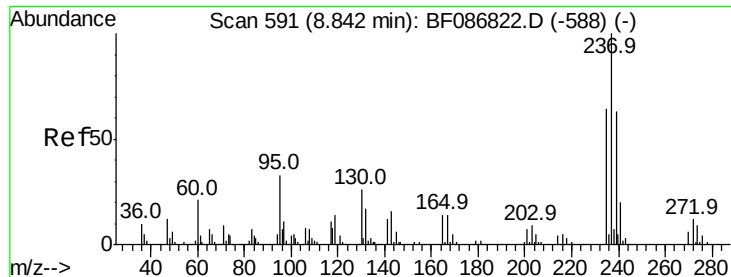
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#40

Hexachlorocyclopentadiene

Concen: 51.15 ng

RT: 8.84 min Scan# 591

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

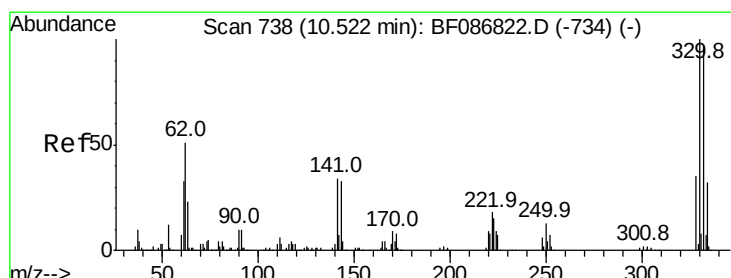
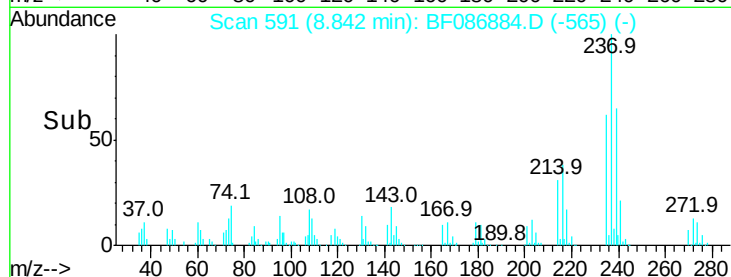
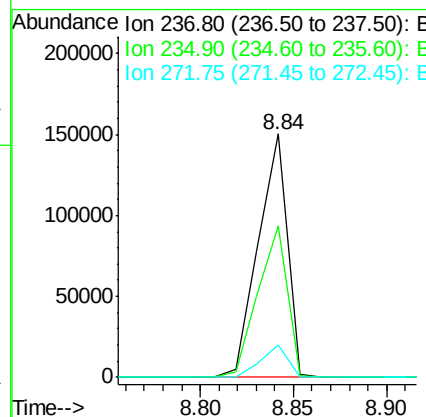
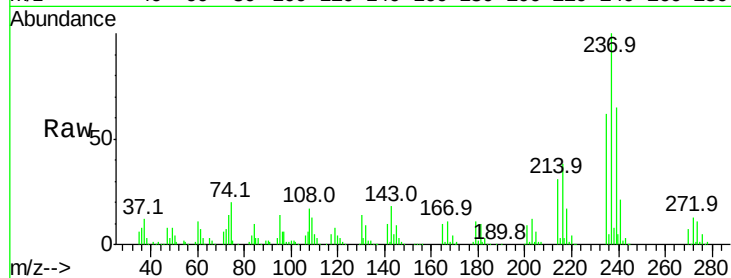
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:	237	Resp:	160803
Ion Ratio		Lower	Upper
237	100		
235	62.2	47.2	87.2
272	13.2	0.0	31.1

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#41

2,4,6-Tribromophenol

Concen: 99.42 ng

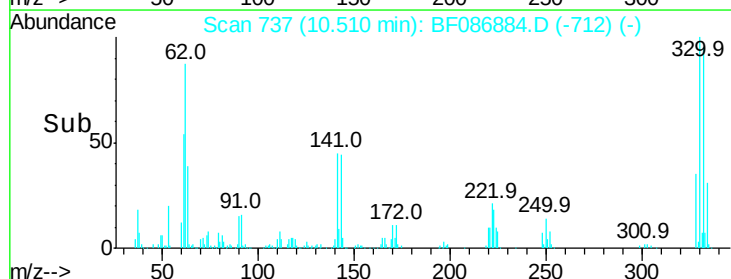
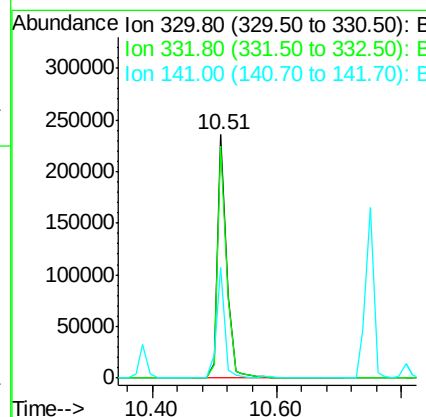
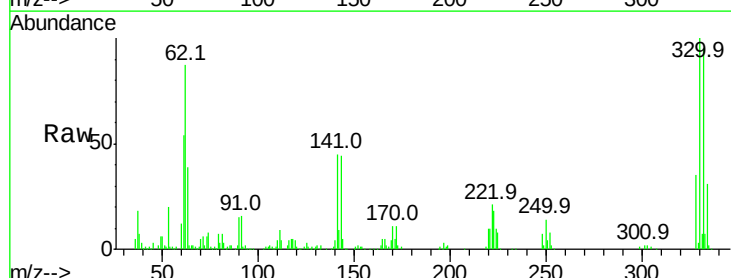
RT: 10.51 min Scan# 737

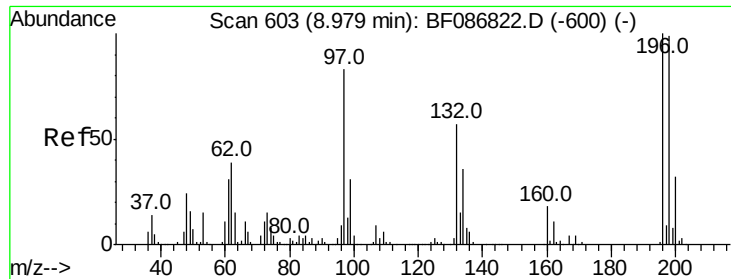
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:	330	Resp:	239780
Ion Ratio		Lower	Upper
330	100		
332	96.0	79.0	118.4
141	41.0	31.2	46.8





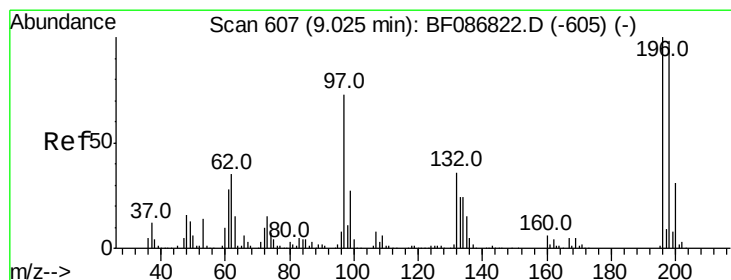
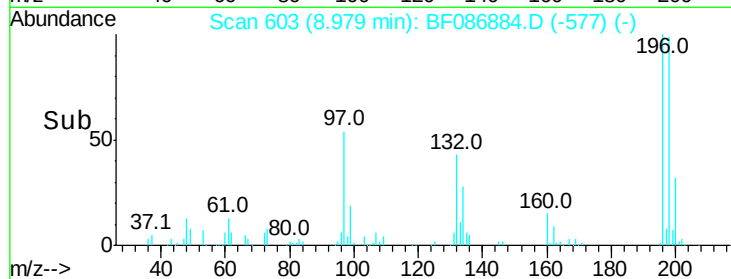
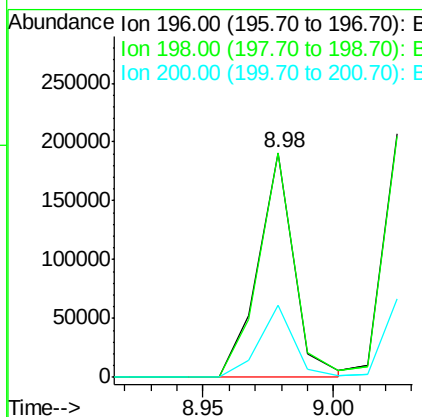
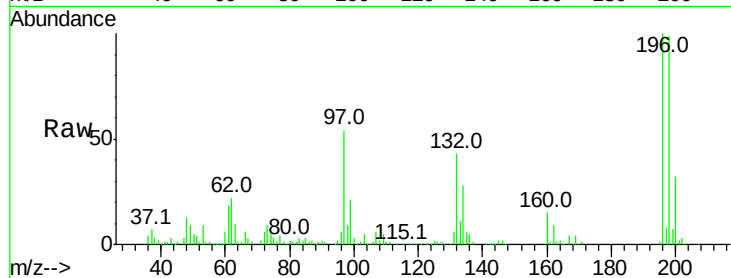
#42
 2,4,6-Trichlorophenol
 Concen: 41.65 ng
 RT: 8.98 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	184463		
198	99.5	74.7	112.1	
200	32.1	23.8	35.6	

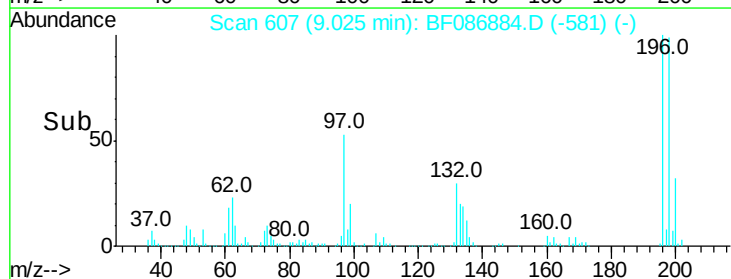
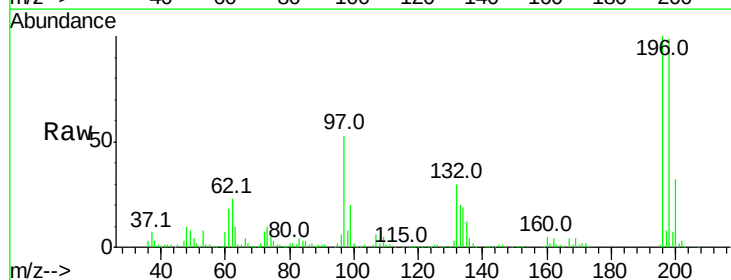
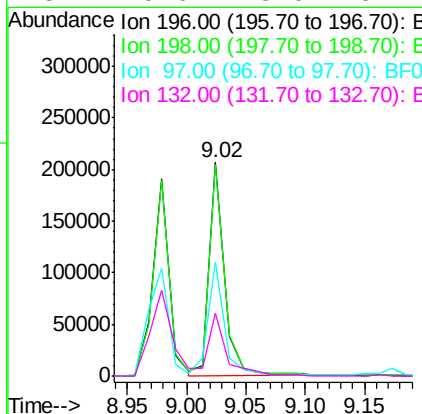
Manual Integrations
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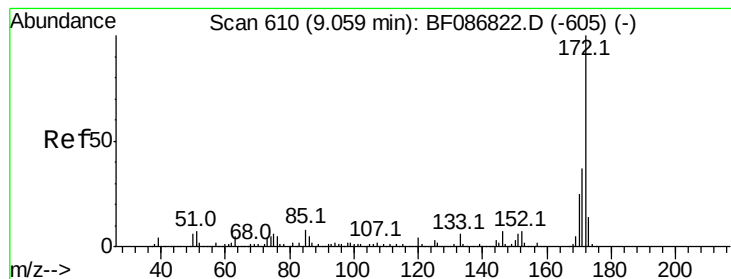
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#43
 2,4,5-Trichlorophenol
 Concen: 40.62 ng
 RT: 9.02 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	186050		
198	99.0	77.5	116.3	
97	53.4	34.8	52.2#	
132	29.6	23.0	34.4	





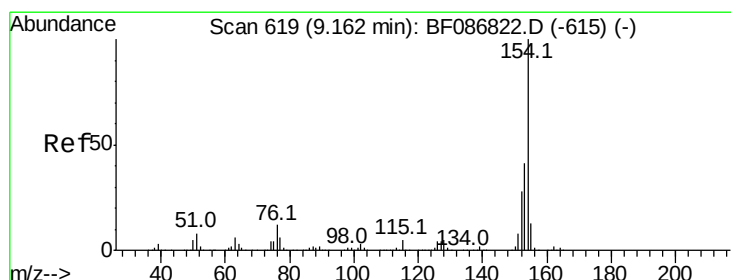
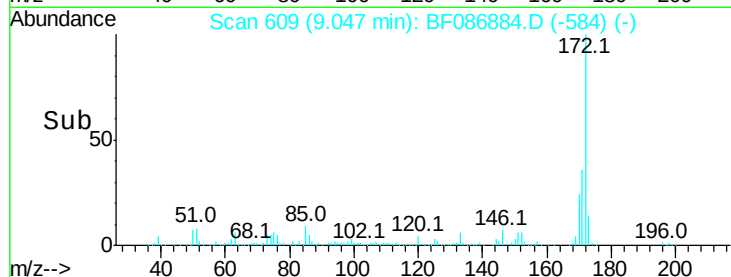
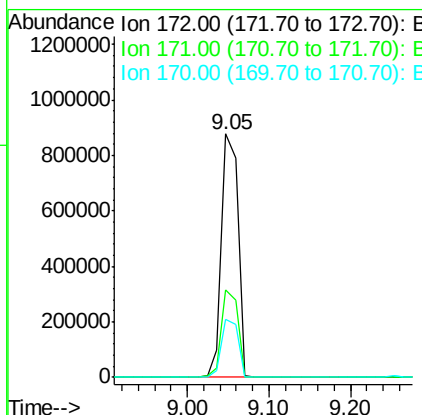
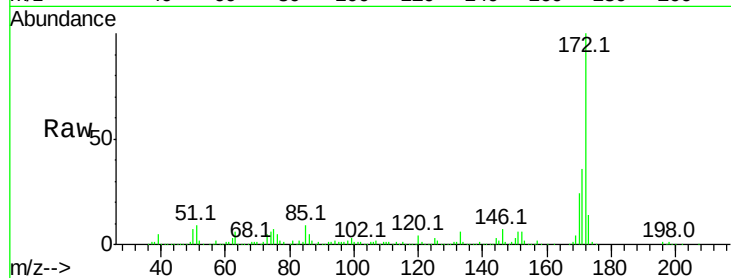
#44
 2-Fluorobiphenyl
 Concen: 90.16 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.6
170	24.0	19.8	29.8

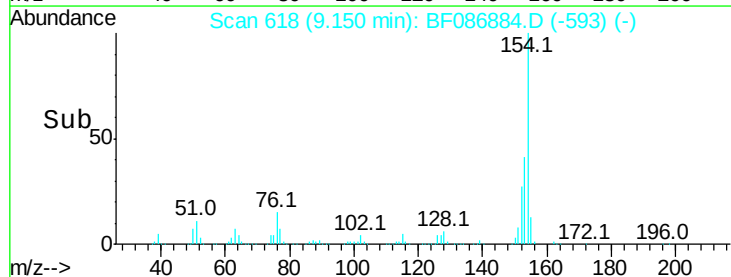
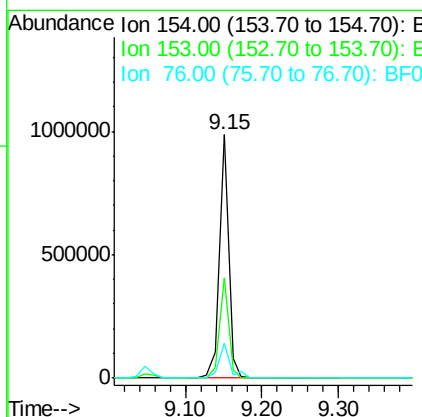
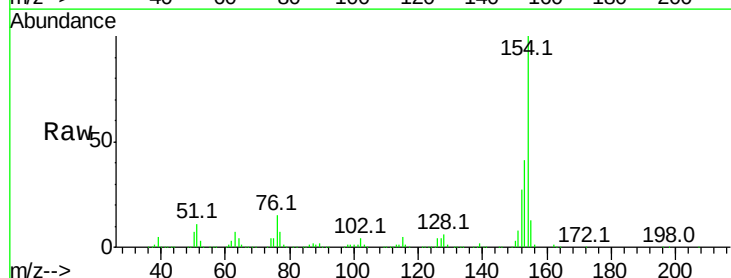
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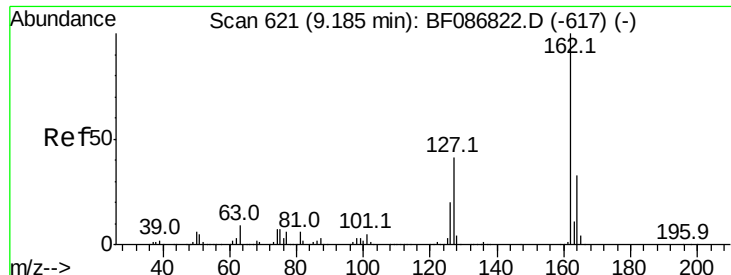
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#45
 1,1'-Biphenyl
 Concen: 45.09 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.3	60.3
76	14.6	0.0	30.2





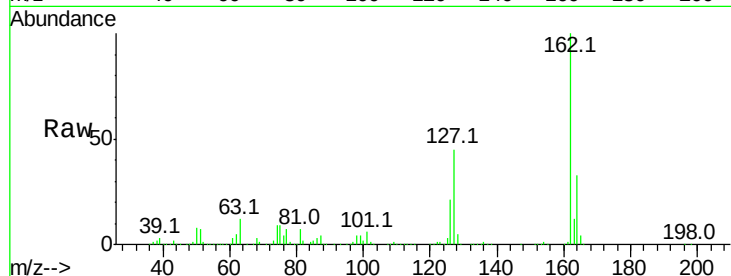
#46
 2-Chloronaphthalene
 Concen: 43.80 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

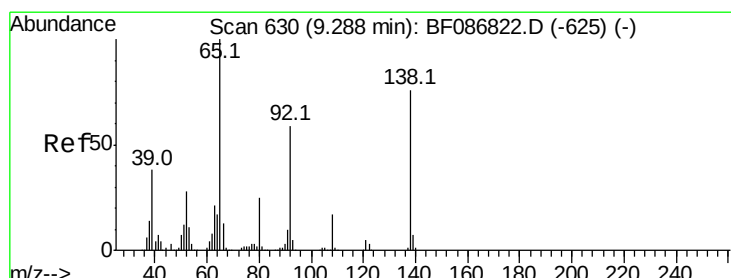
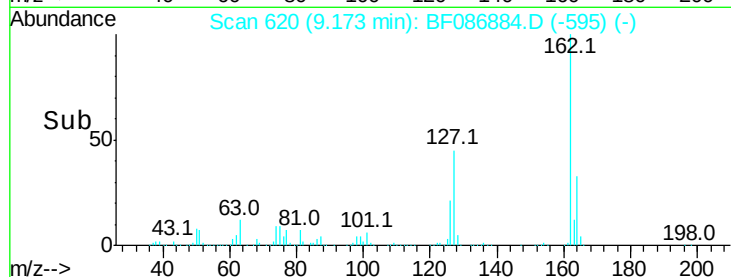
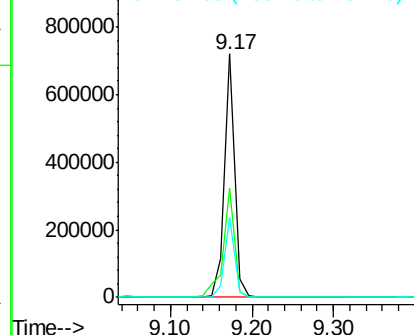
Tot Ion	Ratio	Resp Lower	Upper
162	100		
127	44.6	31.8	47.6
164	32.8	27.0	40.6

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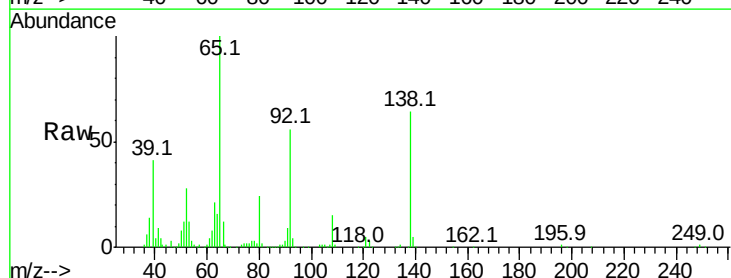


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

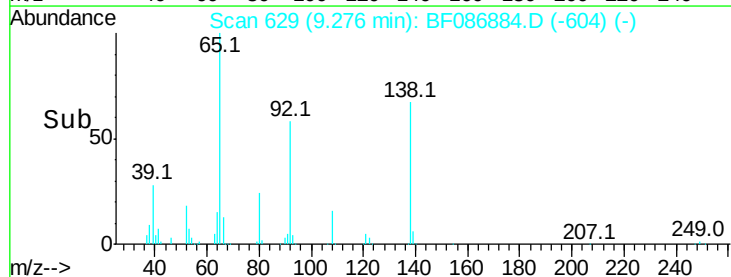
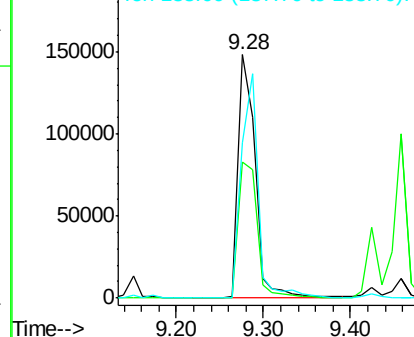


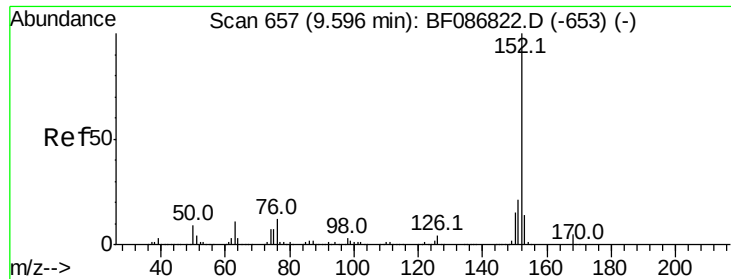
#47
 2-Nitroaniline
 Concen: 38.46 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp Lower	Upper
65	100		
92	56.0	57.4	86.2#
138	63.6	90.1	135.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 43.50 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

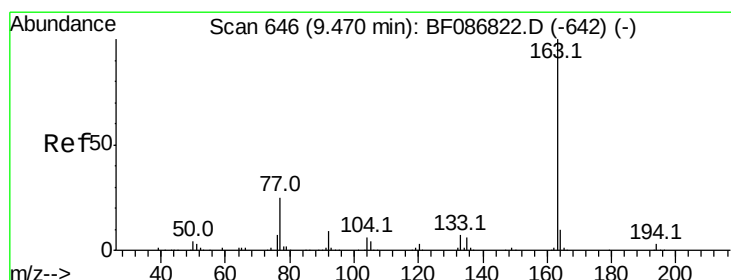
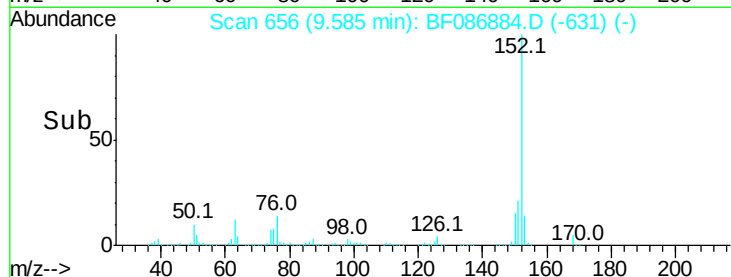
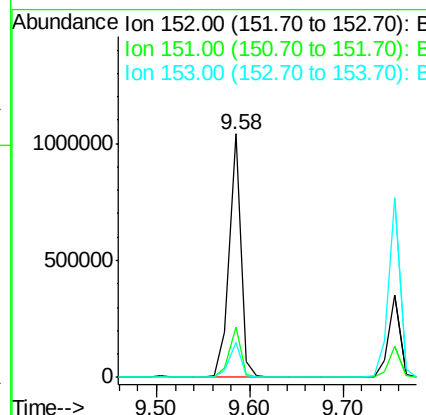
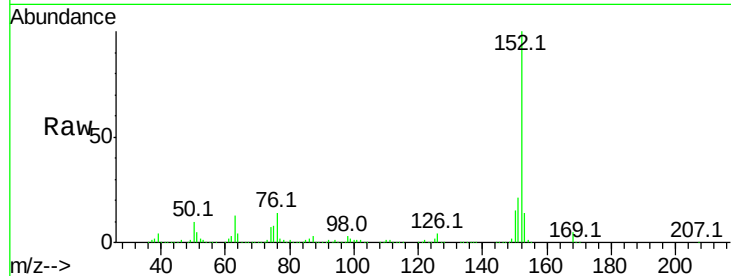
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:	152	Resp:	908244
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.8	25.2
153	14.2	10.9	16.3

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#49

Dimethylphthalate

Concen: 50.11 ng

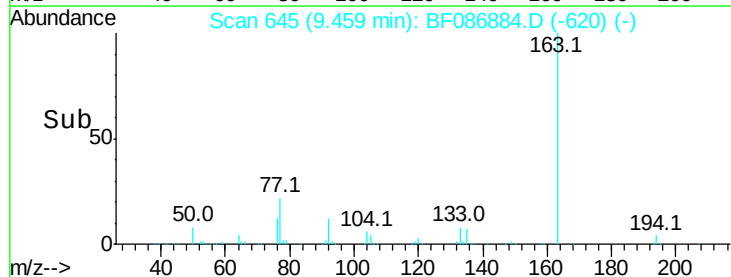
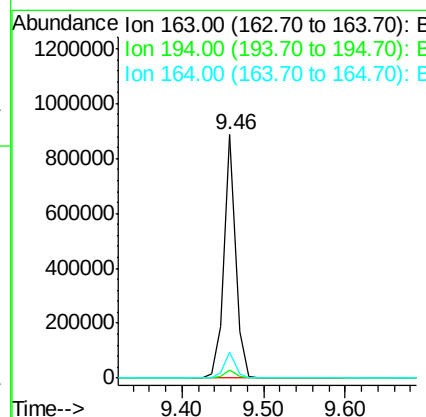
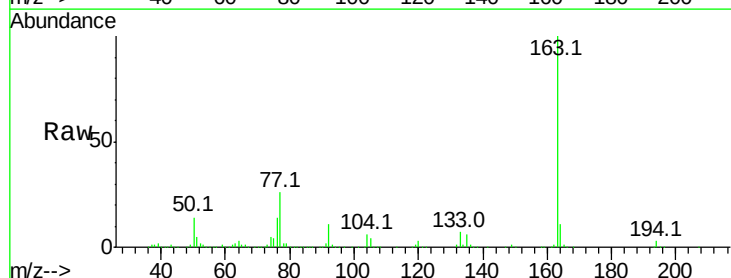
RT: 9.46 min Scan# 645

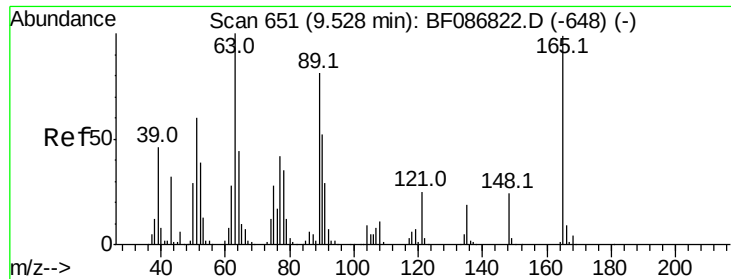
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:	163	Resp:	870959
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	10.6	8.2	12.4





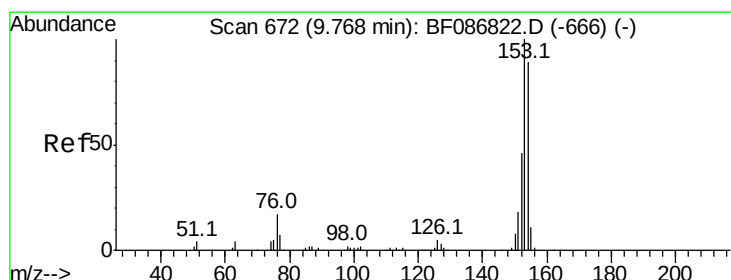
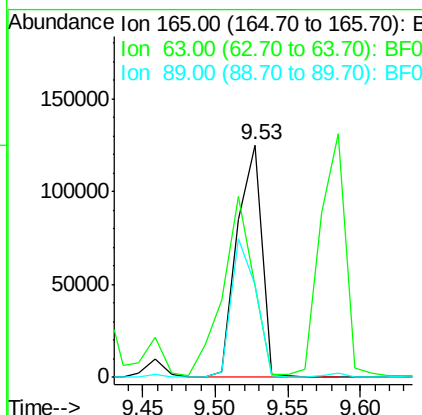
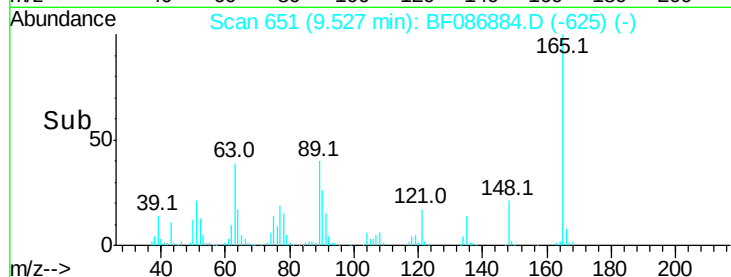
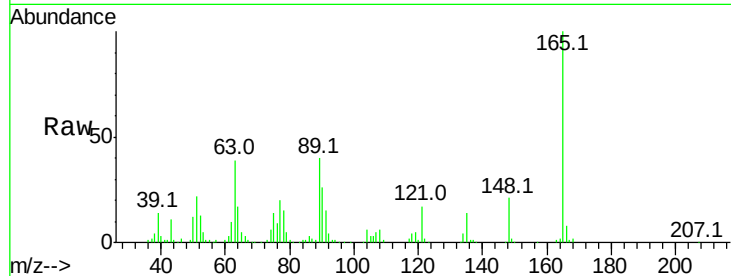
#50
 2,6-Dinitrotoluene
 Concen: 40.71 ng
 RT: 9.53 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	39.1	51.8	77.8#
89	39.8	50.7	76.1#

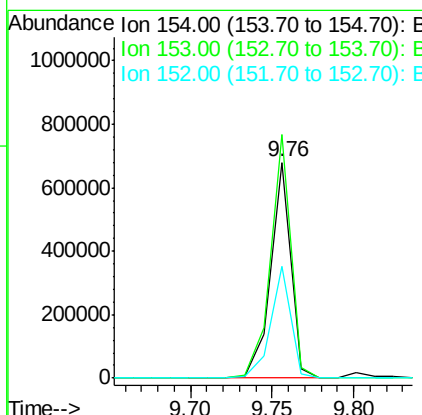
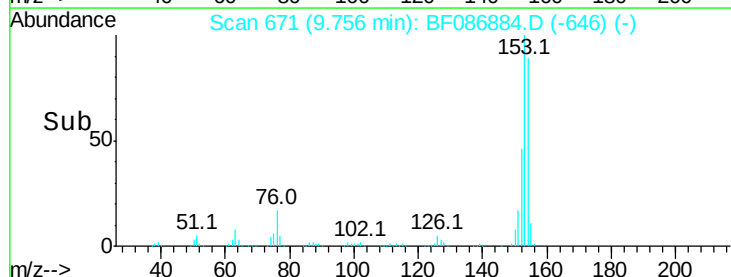
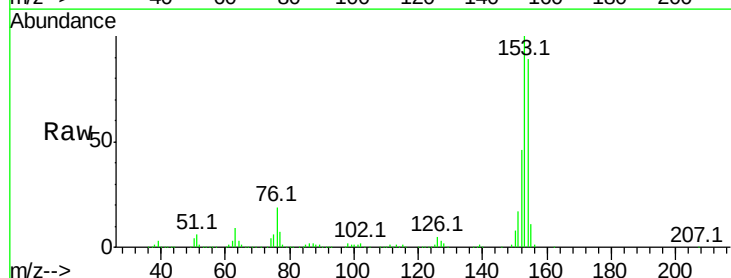
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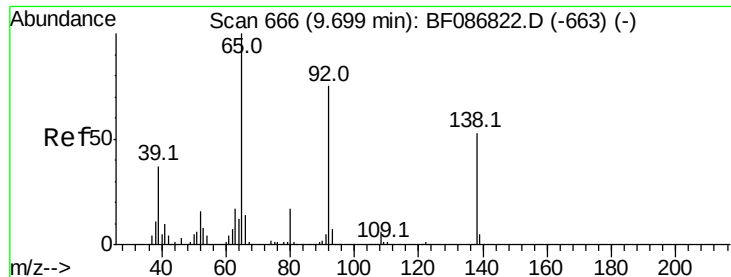
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#51
 Acenaphthene
 Concen: 45.35 ng
 RT: 9.76 min Scan# 671
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.9	89.8	134.6
152	51.7	43.4	65.0





#52

3-Nitroaniline

Concen: 19.50 ng

RT: 9.70 min Scan# 666

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

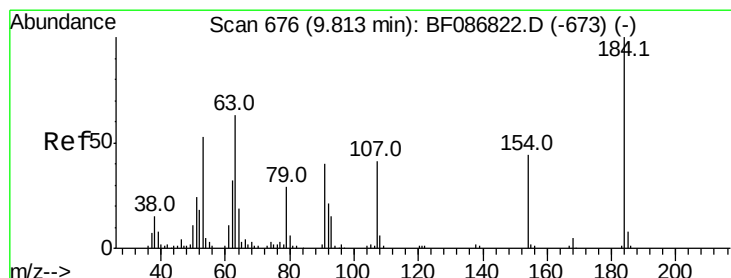
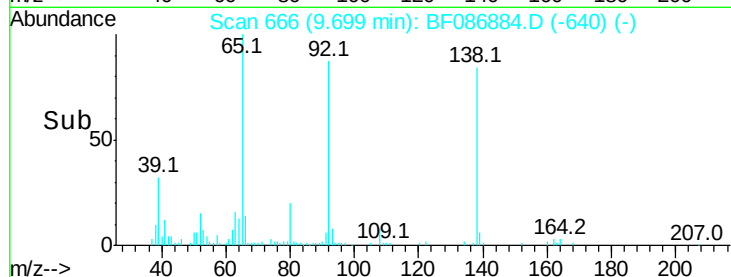
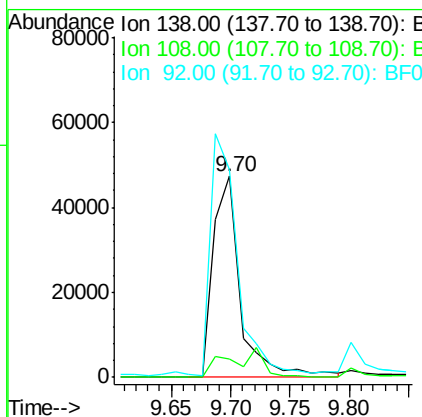
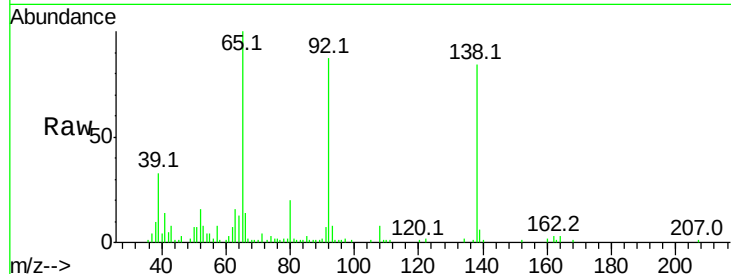
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.8	11.6
92	103.2	87.8	131.8



#53

2,4-Dinitrophenol

Concen: 24.81 ng

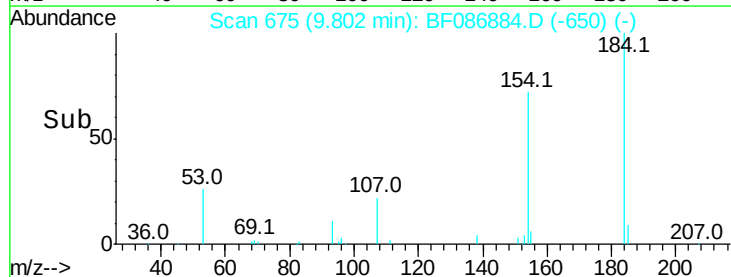
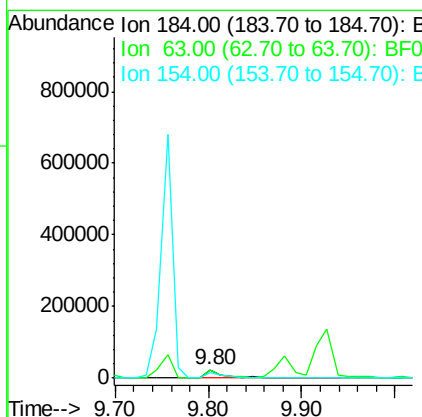
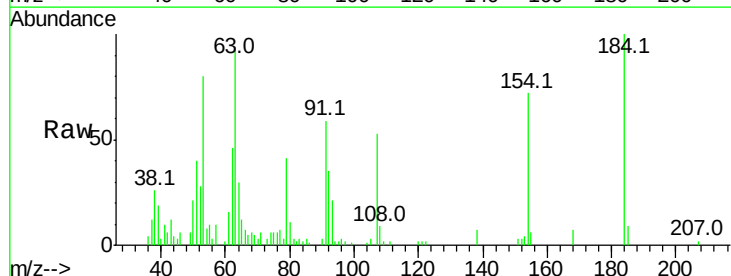
RT: 9.80 min Scan# 675

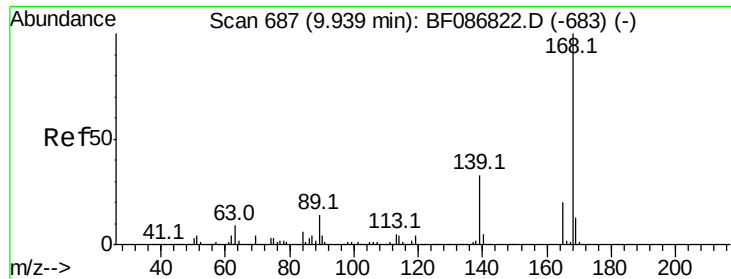
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
184	100		
63	93.8	55.8	83.8#
154	71.9	62.4	93.6





#54

Dibenzofuran

Concen: 45.98 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086884.D

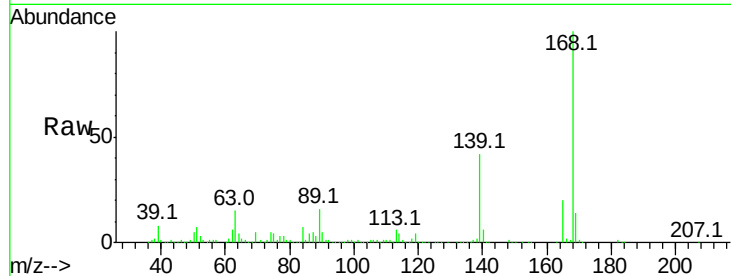
Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

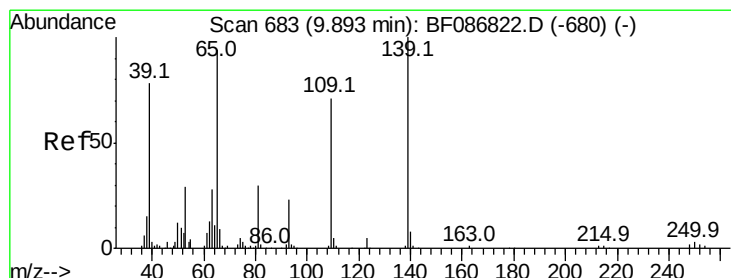
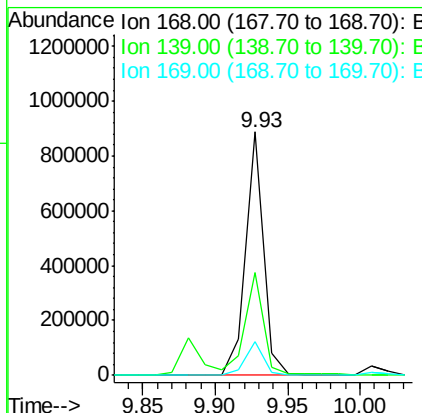
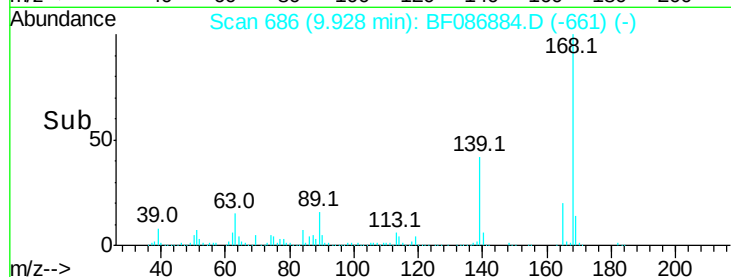
VITALE-FILL-CSPH3-7KMS



Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	42.2	31.4	47.0	
169	13.7	10.7	16.1	

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#55

4-Nitrophenol

Concen: 56.42 ng

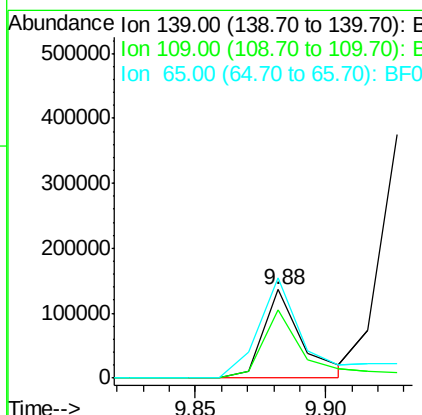
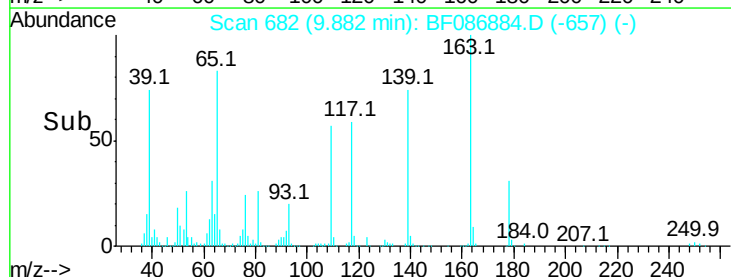
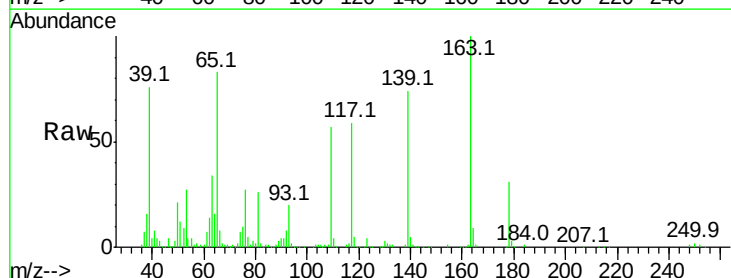
RT: 9.88 min Scan# 682

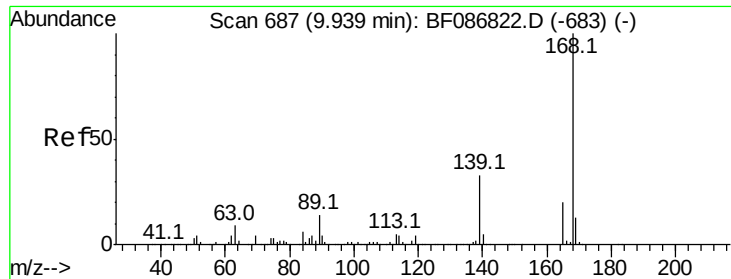
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	76.8	36.9	76.9	
65	112.6	64.0	104.0#	





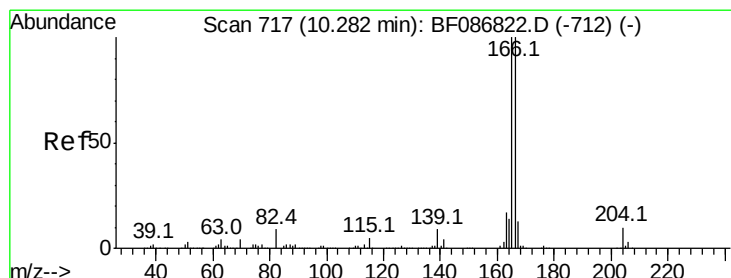
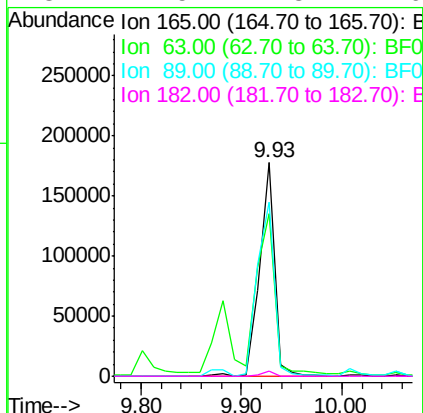
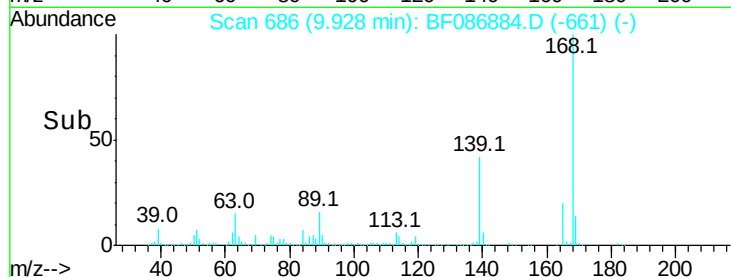
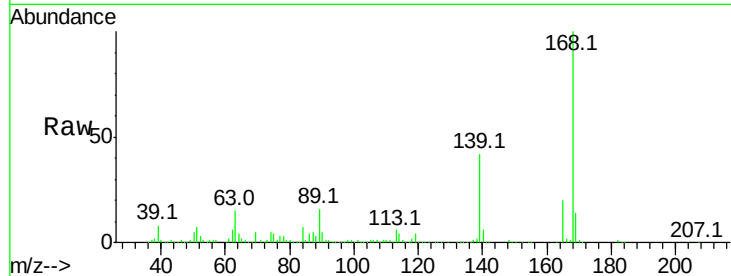
#56
 2,4-Dinitrotoluene
 Concen: 40.66 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	184058		
63	76.1	44.3	66.5#	
89	81.5	70.0	105.0	
182	2.5	1.8	2.6	

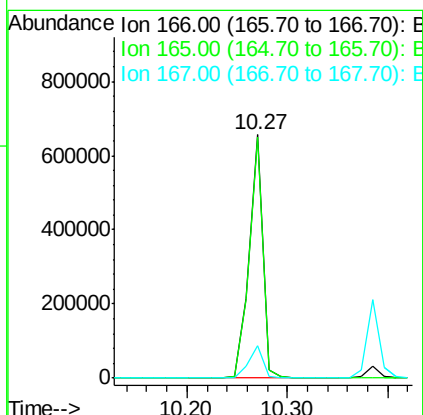
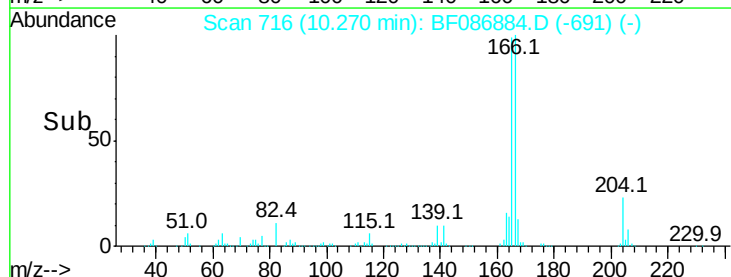
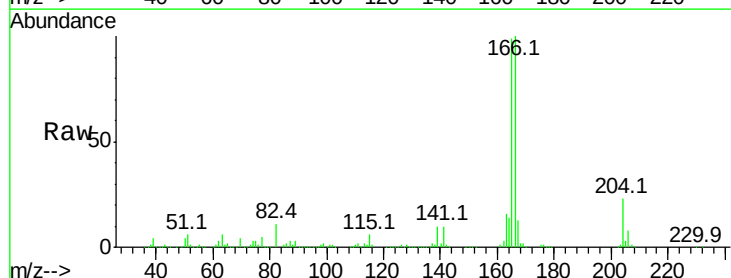
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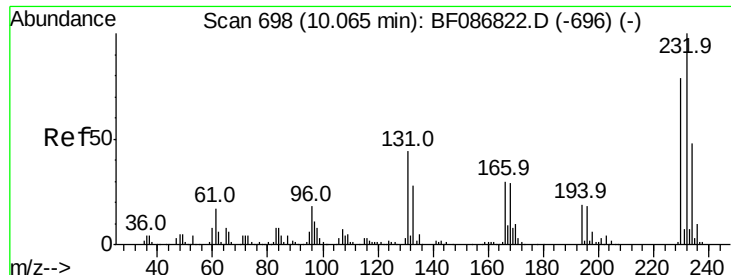
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#57
 Fluorene
 Concen: 43.88 ng
 RT: 10.27 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	623991		
165	99.1	79.0	118.6	
167	13.2	10.6	15.8	





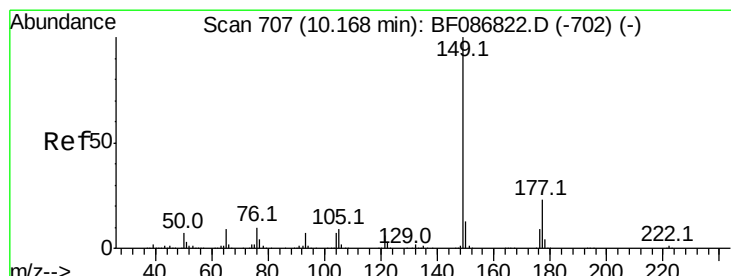
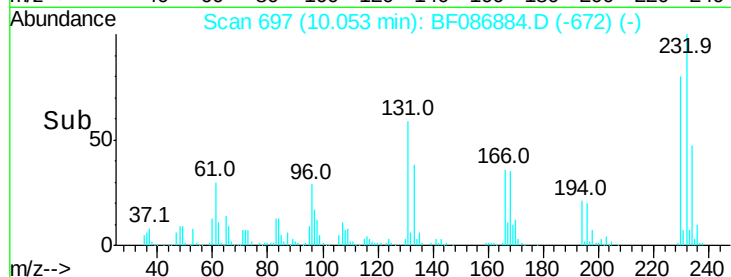
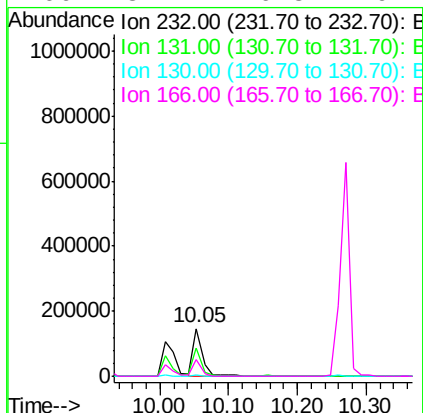
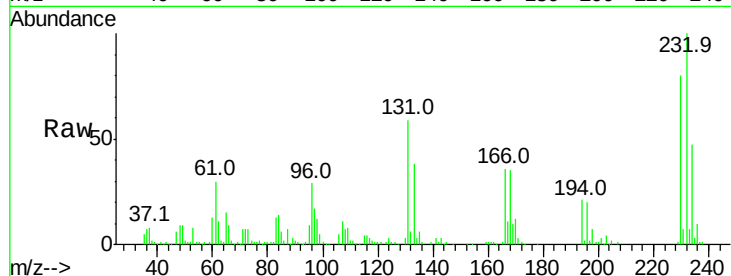
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 41.30 ng
 RT: 10.05 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	142410		
131	55.3	41.9	62.9	
130	2.8	2.2	3.4	
166	32.4	26.8	40.2	

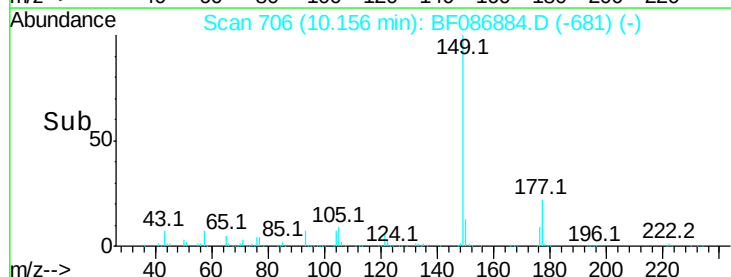
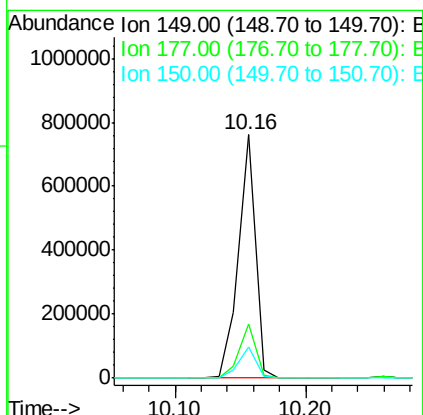
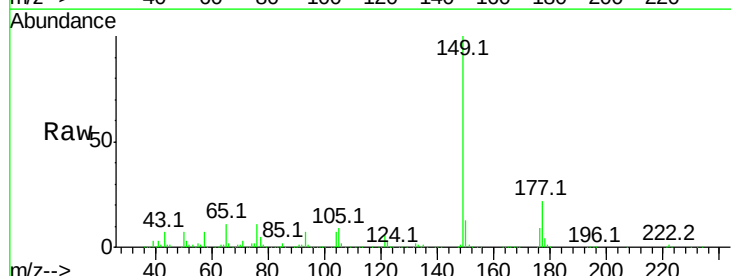
Manual Integrations
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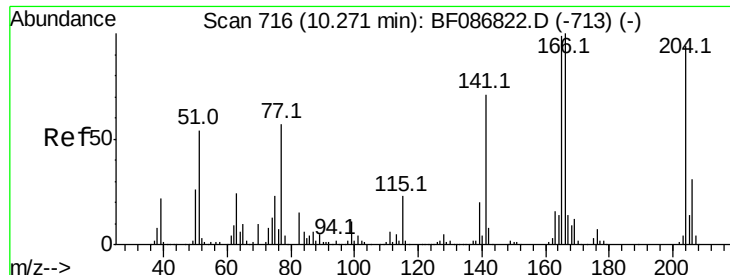
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#59
 Diethylphthalate
 Concen: 40.76 ng
 RT: 10.16 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	690372		
177	22.4	16.6	24.8	
150	12.8	10.0	15.0	





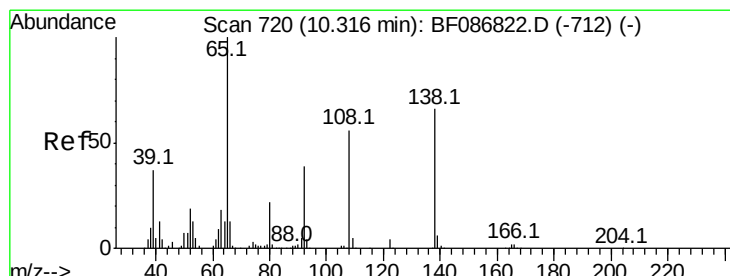
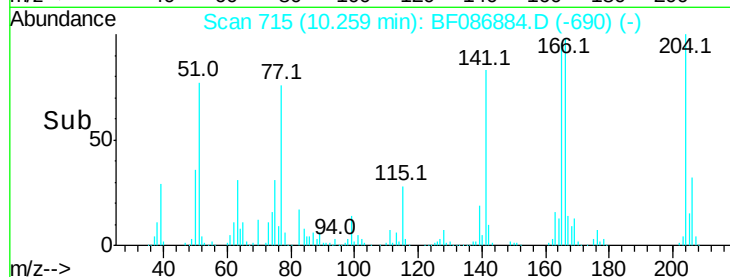
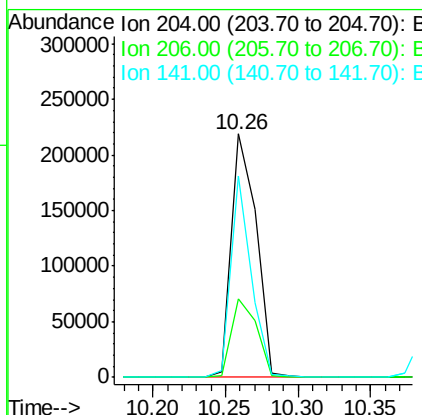
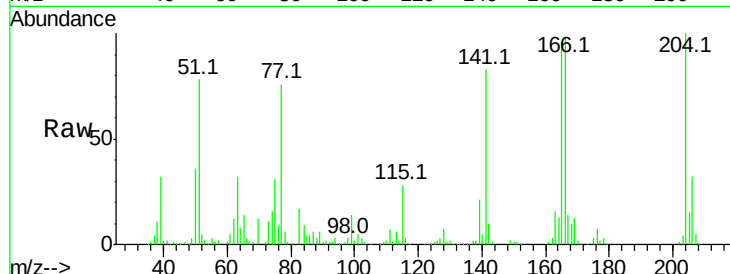
#60
4-Chlorophenyl-phenylether
Concen: 41.37 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
204	100	261136		
206	32.2		25.4	38.0
141	82.9		61.6	92.4

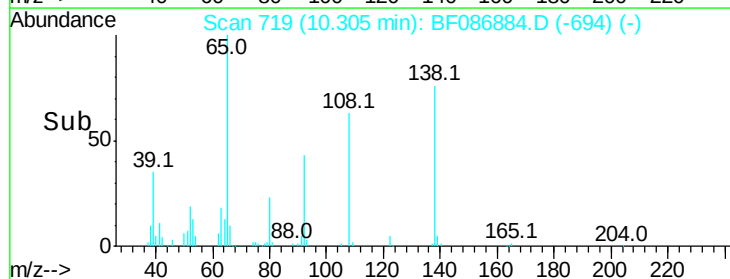
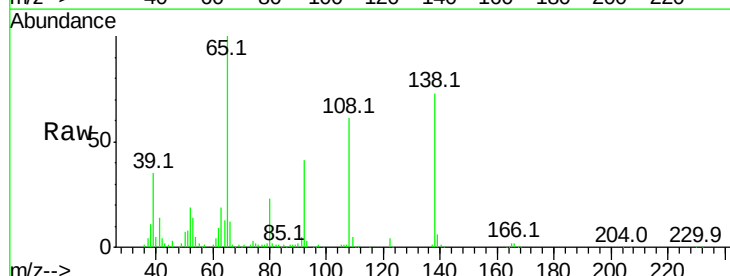
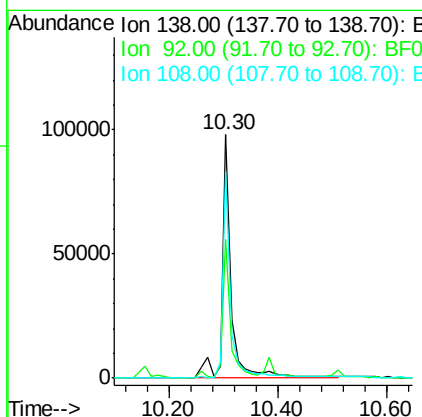
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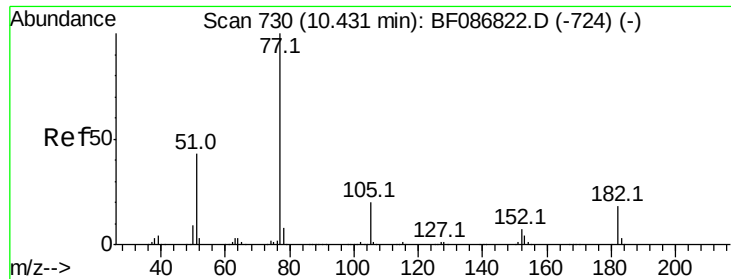
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#61
4-Nitroaniline
Concen: 31.38 ng
RT: 10.30 min Scan# 719
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	116050		
92	56.8		24.7	64.7
108	84.6		37.4	77.4#





#62

Azobenzene

Concen: 41.06 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF086884.D

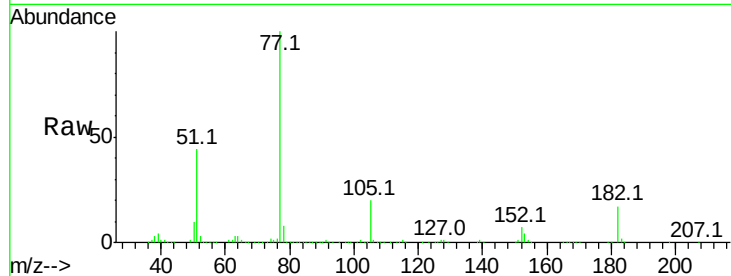
Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

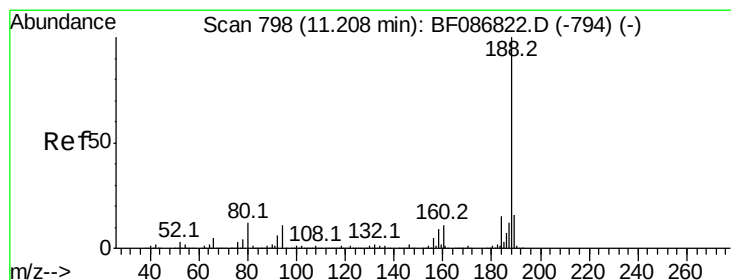
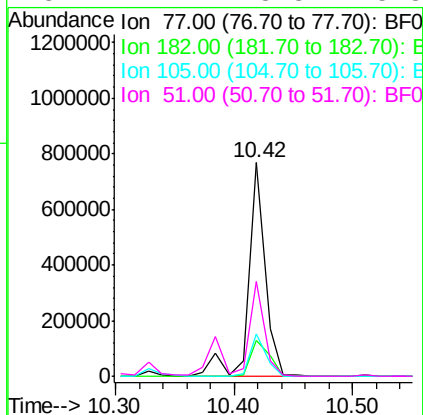
VITALE-FILL-CSPH3-7KMS



Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
182	16.6	0.0	38.8		
105	19.9	3.2	43.2		
51	44.1	8.8	48.8		

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#63

Phenanthrene-d10

Concen: 20.00 ng

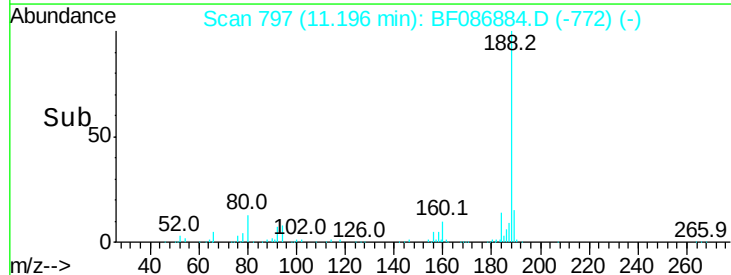
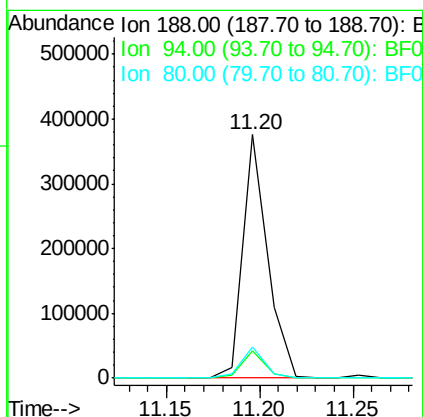
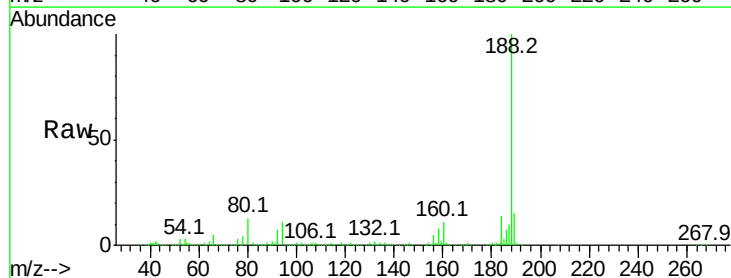
RT: 11.20 min Scan# 797

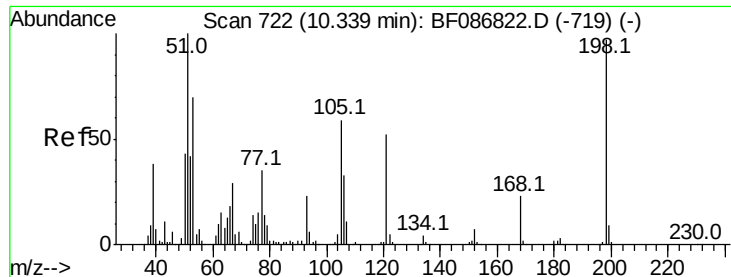
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.4	6.8	10.2#		
80	12.9	7.1	10.7#		





#64

4,6-Dinitro-2-methylphenol

Concen: 26.59 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

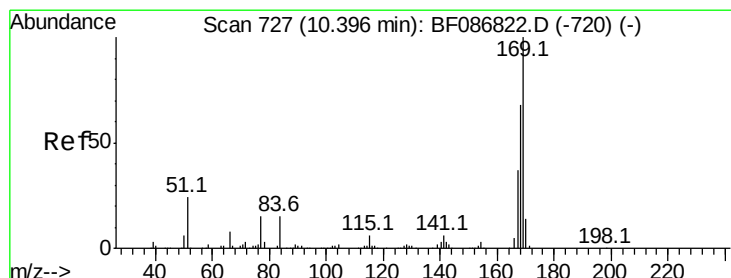
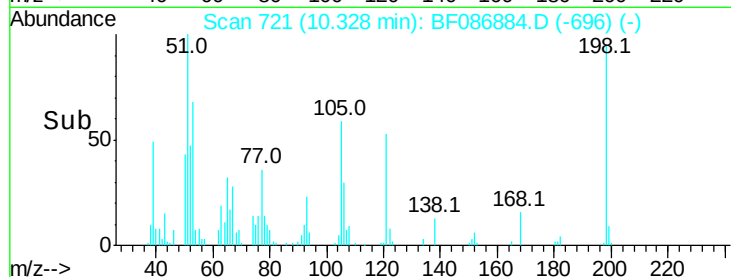
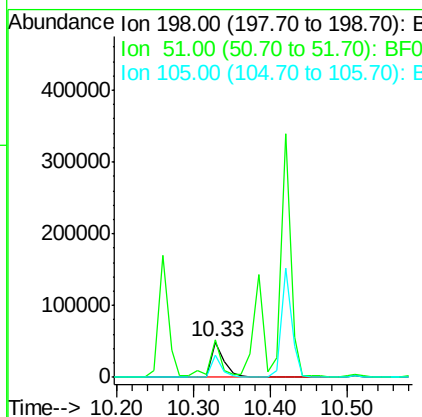
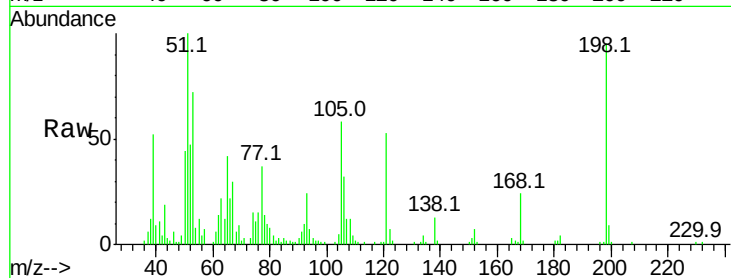
VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ratio	Resp	Lower	Upper
198	100	57653		
51	105.4	20.5	60.5#	
105	61.5	24.5	64.5	



#65

n-Nitrosodiphenylamine

Concen: 45.66 ng

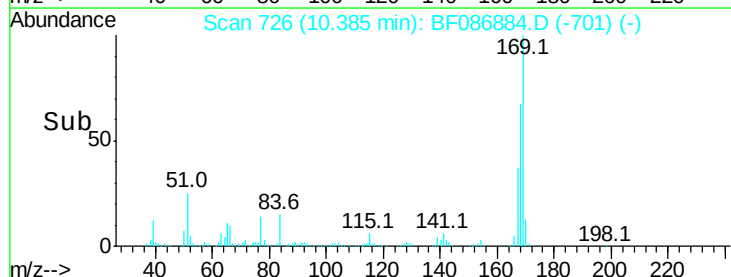
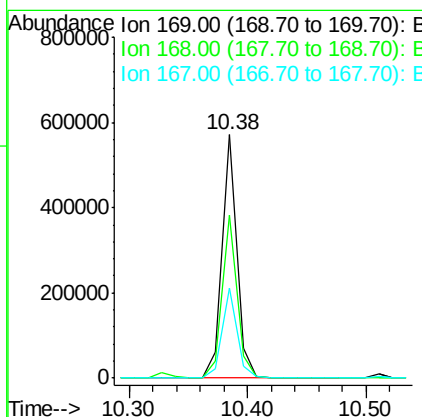
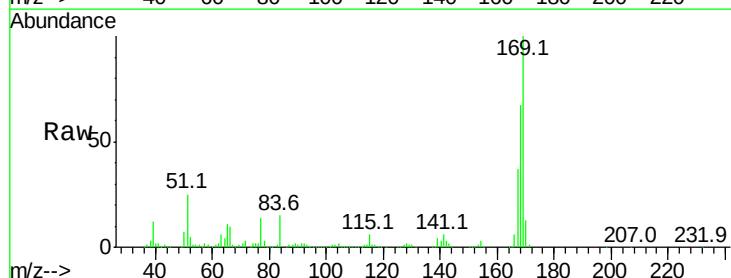
RT: 10.38 min Scan# 726

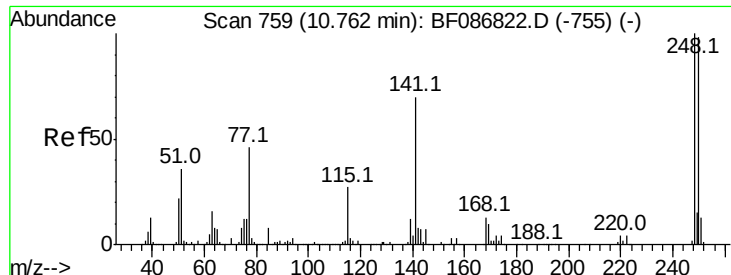
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	489668		
168	67.1	53.8	80.6	
167	37.0	29.5	44.3	





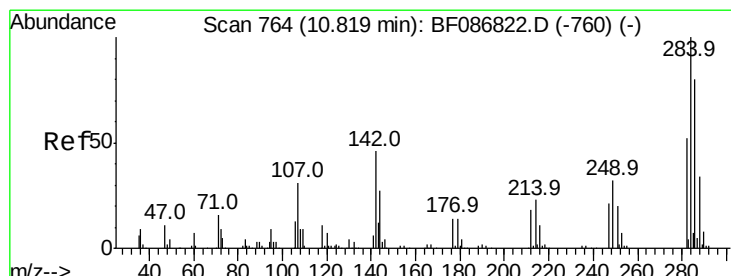
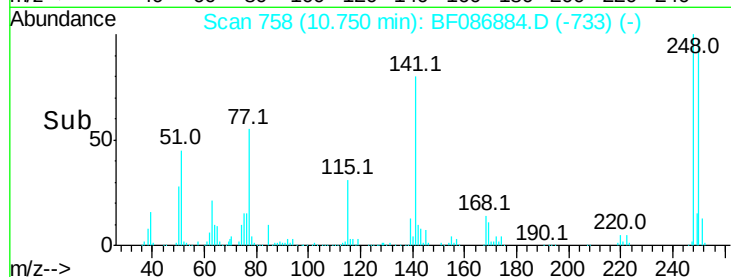
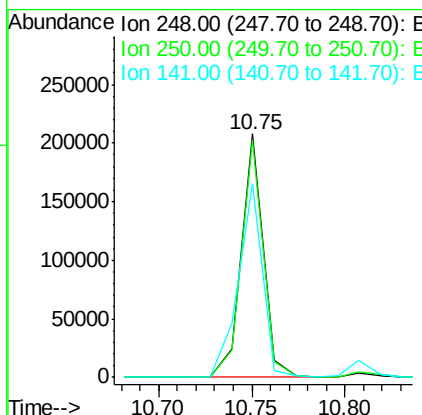
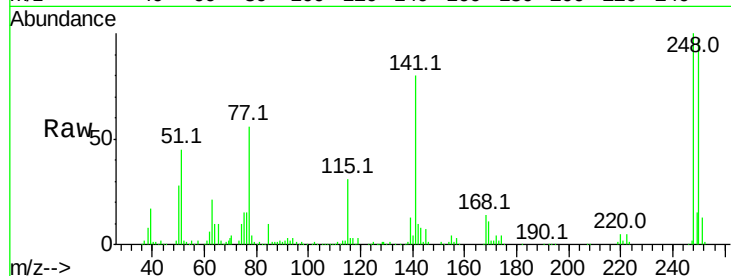
#66
 4-Bromophenyl-phenylether
 Concen: 48.39 ng
 RT: 10.75 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
248	100	171283		
250	97.4	78.6	117.8	
141	79.8	76.0	114.0	

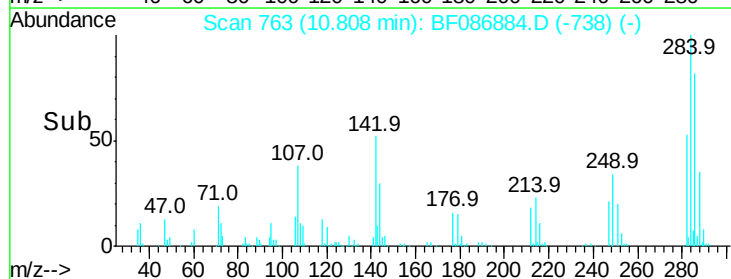
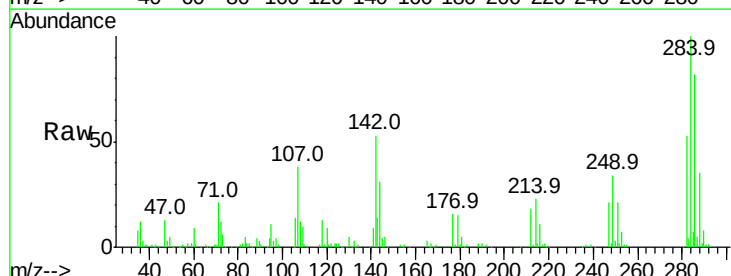
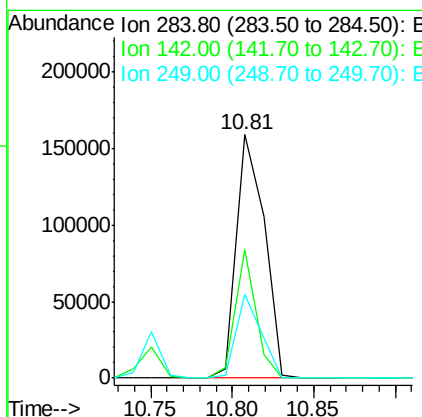
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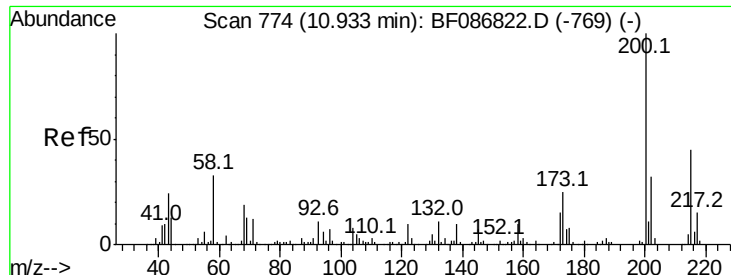
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#67
 Hexachlorobenzene
 Concen: 45.16 ng
 RT: 10.81 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	186783		
142	52.6	16.7	25.1#	
249	34.2	21.3	31.9#	





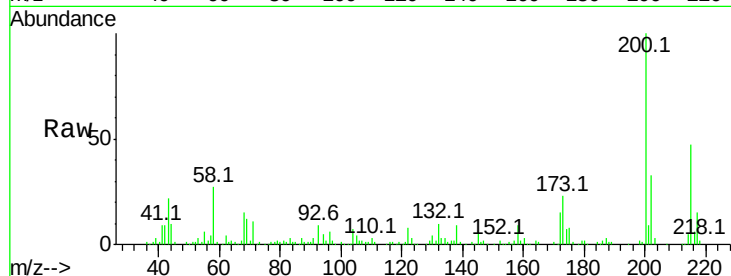
#68
 Atrazine
 Concen: 45.27 ng
 RT: 10.92 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

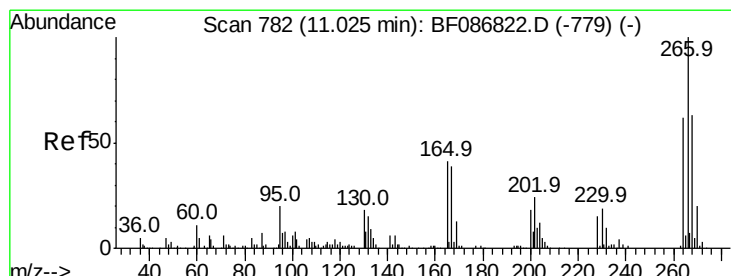
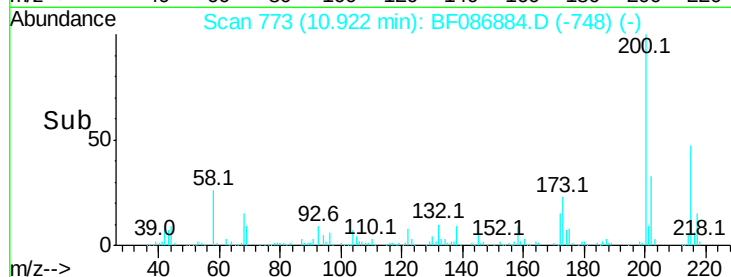
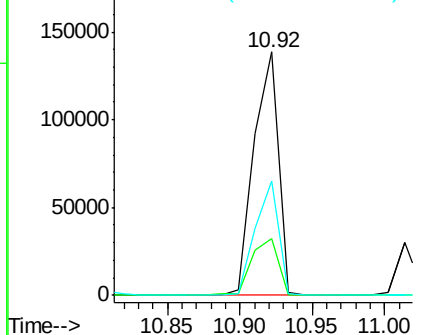
Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	23.5	8.5	48.5
215	47.1	27.2	67.2

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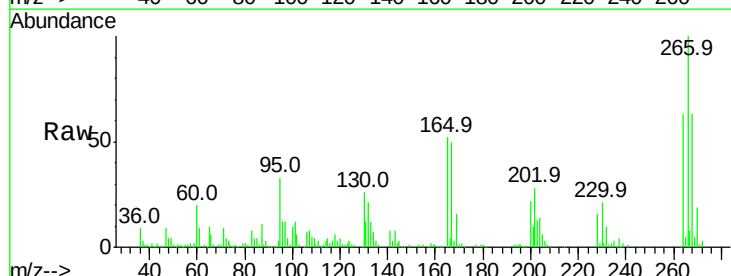


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

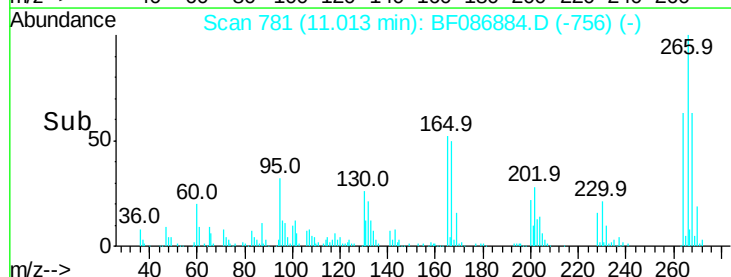
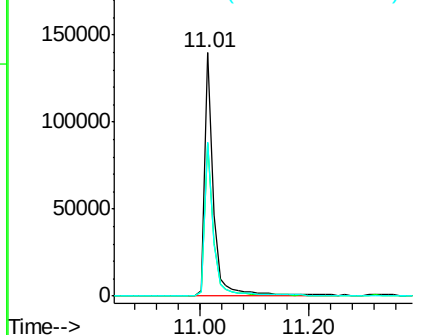


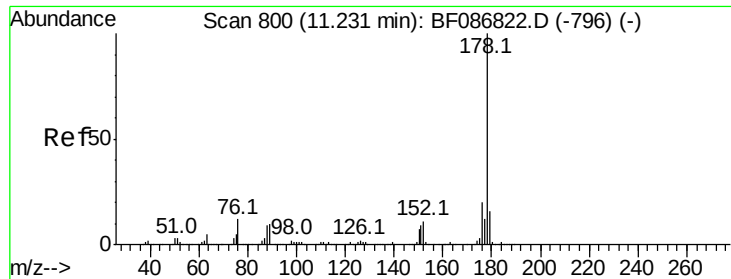
#69
 Pentachlorophenol
 Concen: 83.36 ng
 RT: 11.01 min Scan# 781
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	62.9	51.5	77.3
264	63.2	52.9	79.3



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 41.28 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

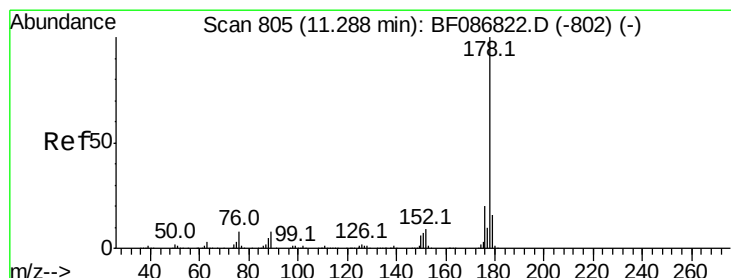
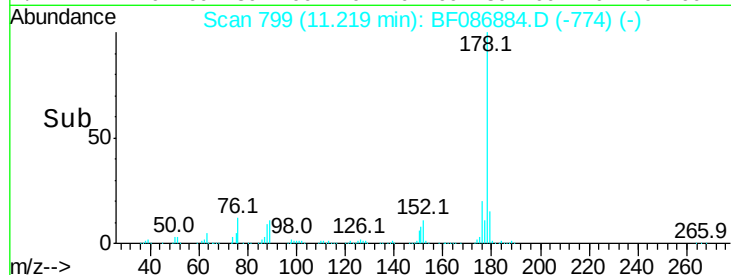
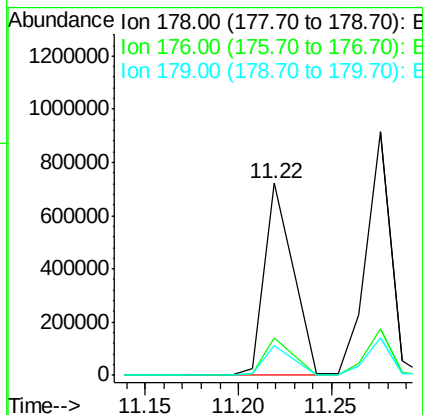
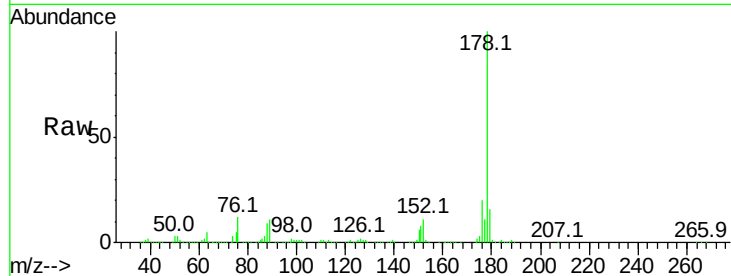
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:178	Resp:	768996
Ion Ratio	Lower	Upper
178	100	
176	19.7	16.0 24.0
179	15.7	12.6 18.8

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#71

Anthracene

Concen: 43.97 ng

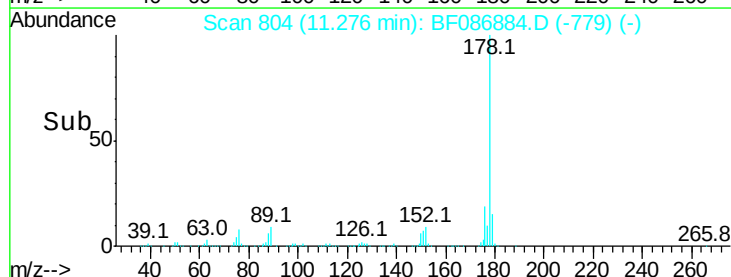
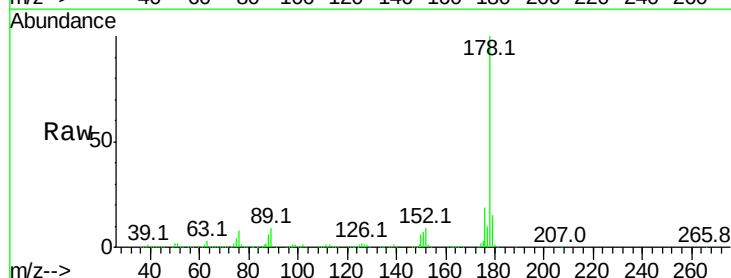
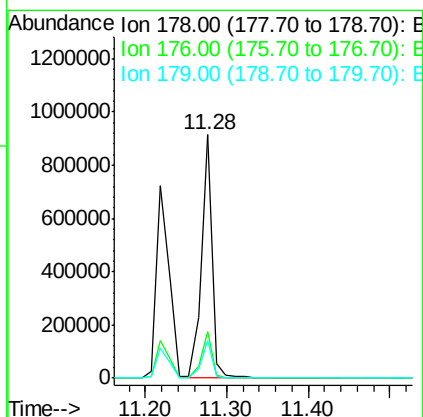
RT: 11.28 min Scan# 804

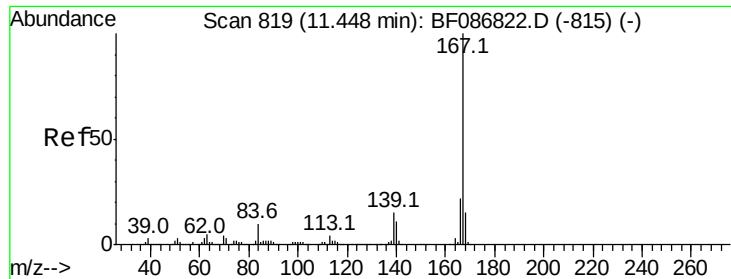
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:178	Resp:	837811
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.6 23.4
179	15.4	12.7 19.1





#72

Carbazole

Concen: 41.01 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

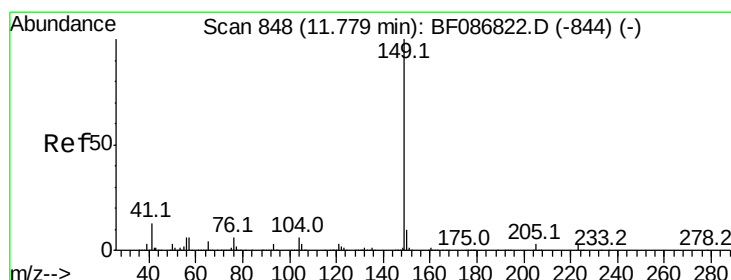
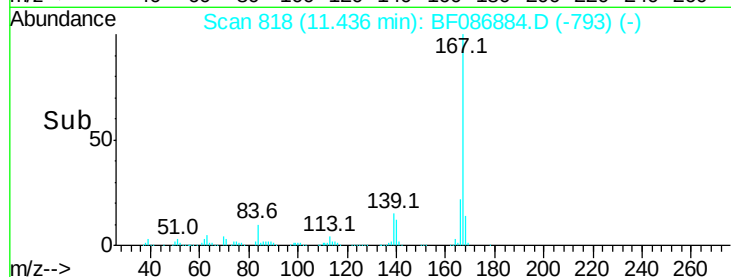
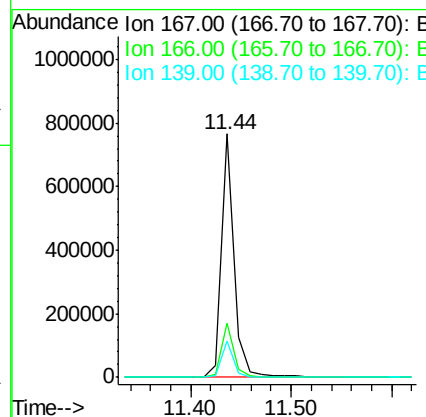
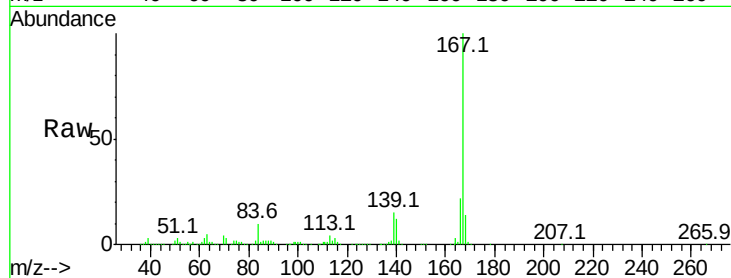
ClientSampleId :

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Tot Ion	167	Resp	671621
Ion Ratio	Lower	Upper	
167	100		
166	22.3	17.7	26.5
139	14.7	10.8	16.2



#73

Di-n-butylphthalate

Concen: 44.39 ng

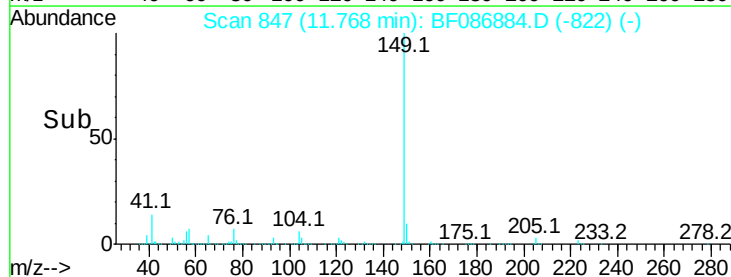
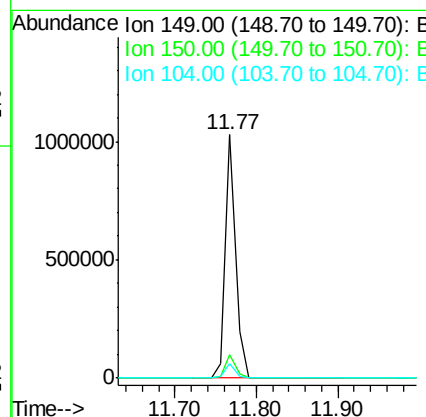
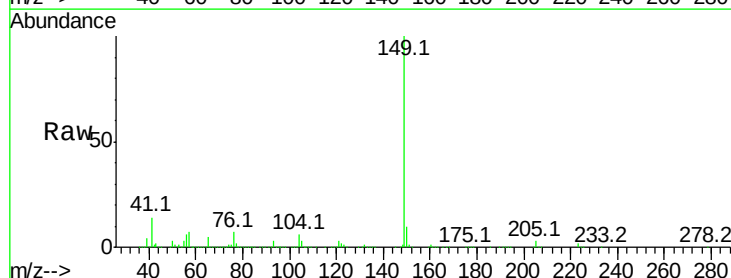
RT: 11.77 min Scan# 847

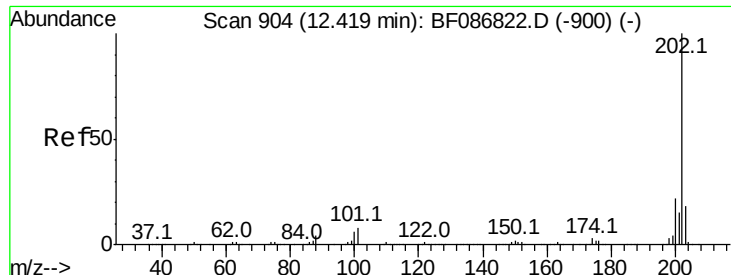
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	149	Resp	887786
Ion Ratio	Lower	Upper	
149	100		
150	9.5	7.6	11.4
104	6.0	3.8	5.6#





#74

Fluoranthene

Concen: 41.72 ng

RT: 12.41 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

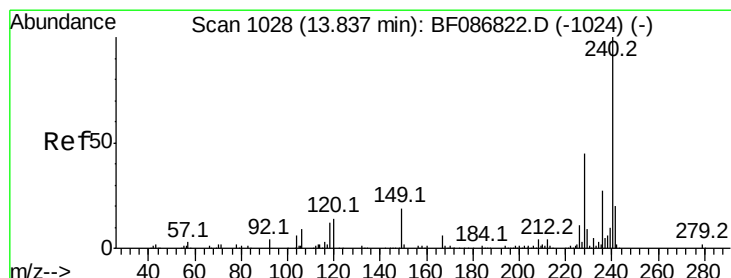
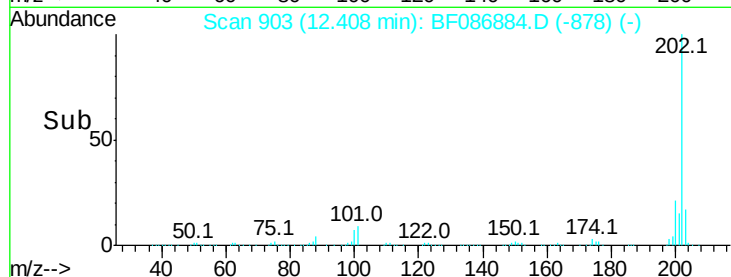
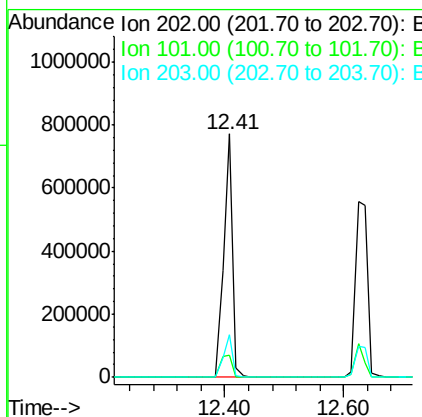
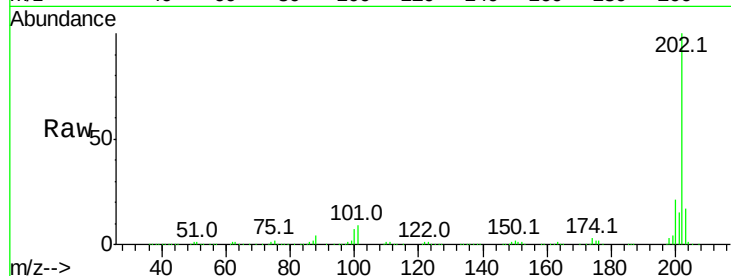
VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ratio	Resp	Lower	Upper
202	100	799456		
101	9.2	0.0	35.4	
203	17.3	0.0	38.1	



#75

Chrysene-d12

Concen: 20.00 ng

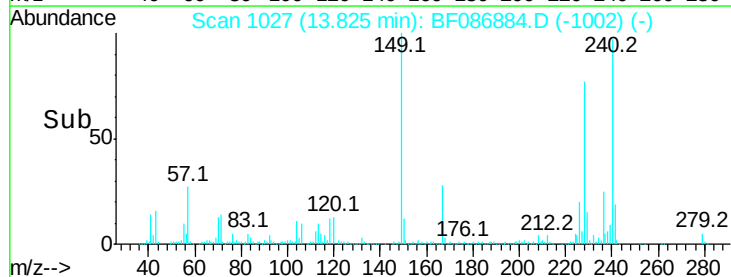
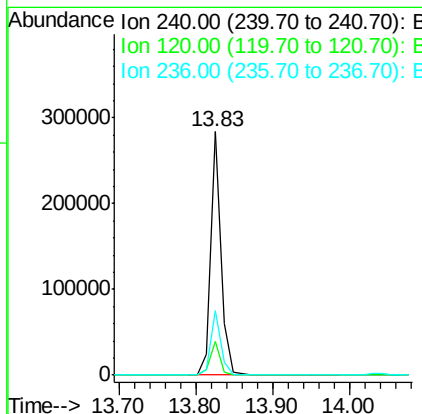
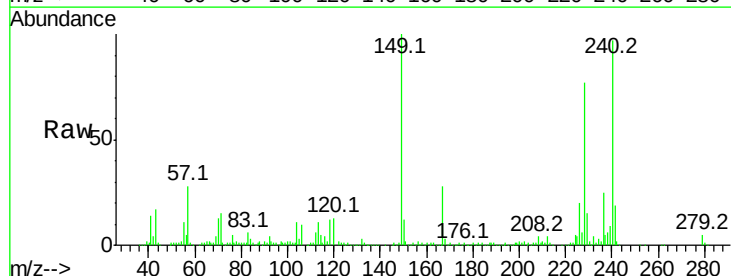
RT: 13.83 min Scan# 1027

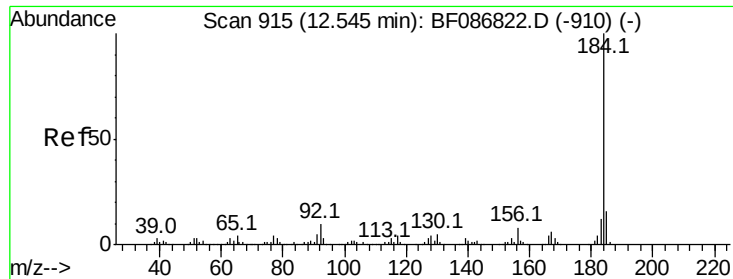
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	259717		
120	13.6	11.2	16.8	
236	26.3	21.2	31.8	





#76

Benzidine

Concen: 25.94 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

ClientSampleId :

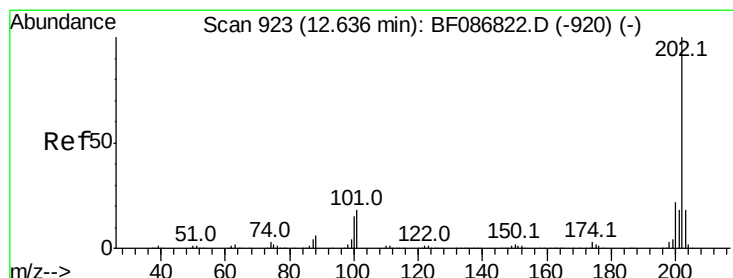
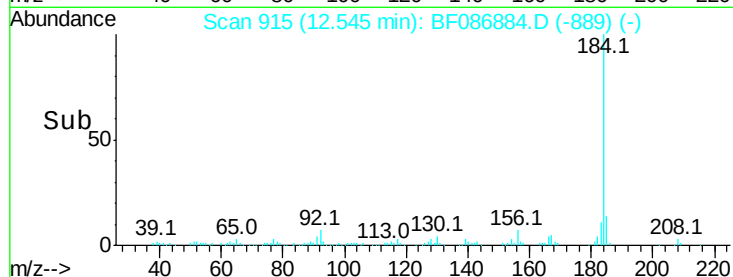
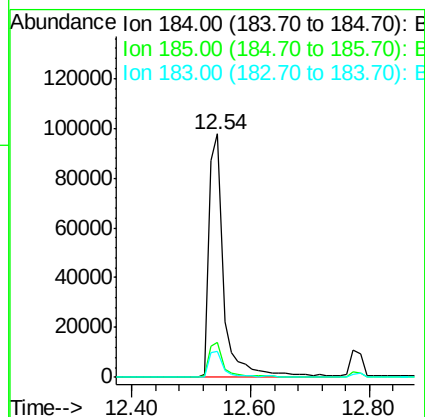
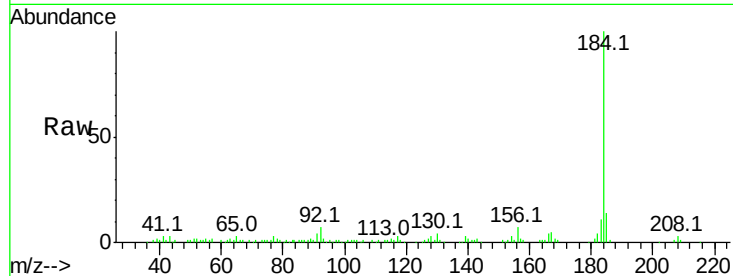
VITALE-FILL-CSPH3-7KMS

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Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.4	13.6	20.4	
183	10.9	9.8	14.6	



#77

Pyrene

Concen: 39.54 ng

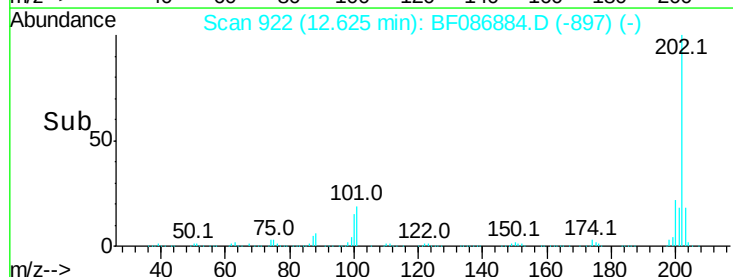
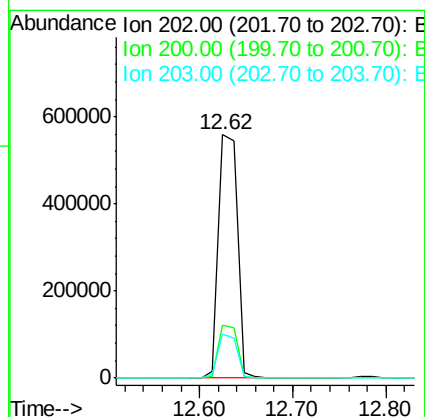
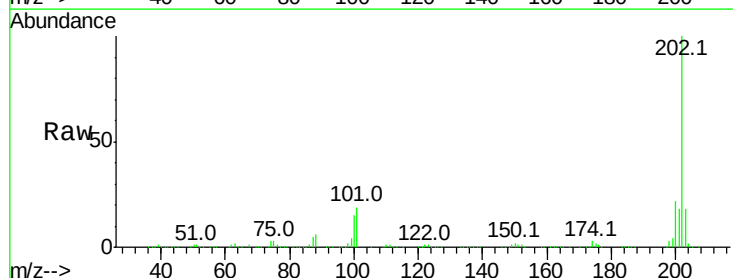
RT: 12.62 min Scan# 922

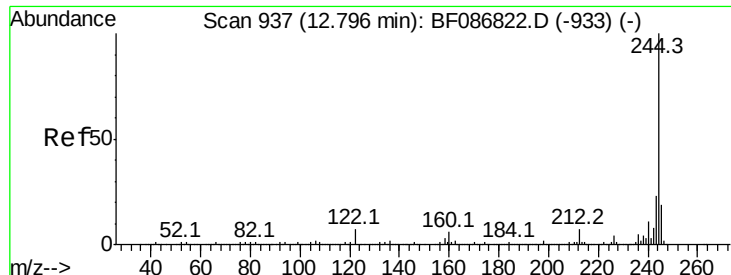
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	17.7	26.5	
203	17.9	14.2	21.4	





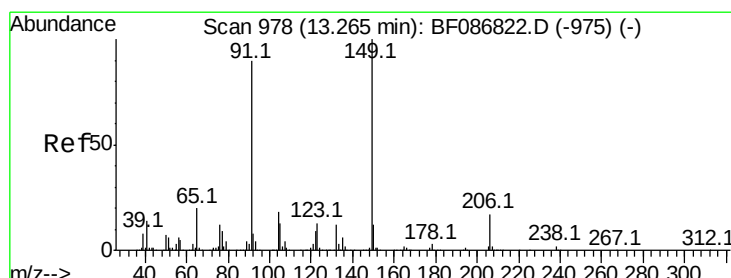
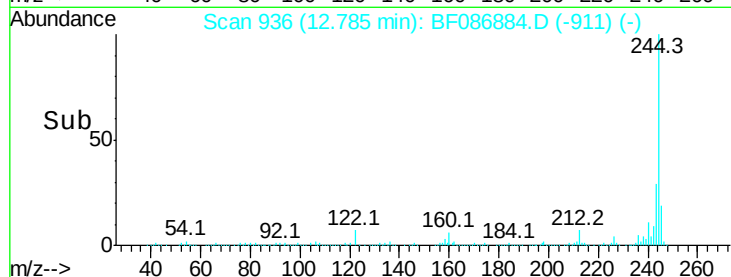
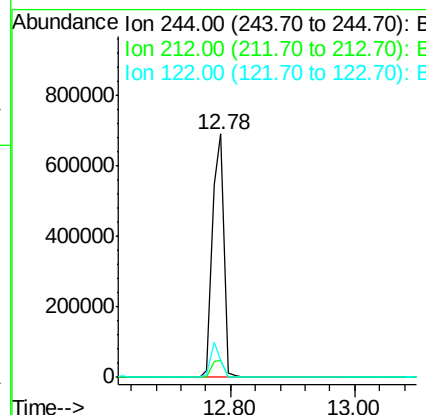
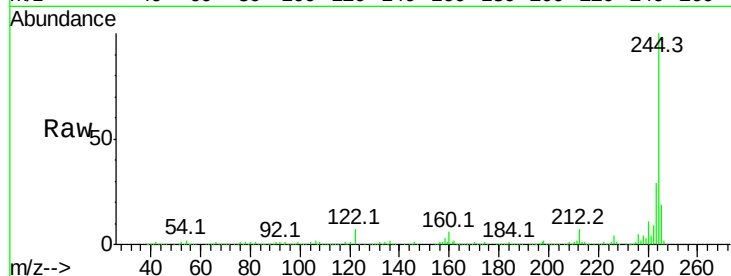
#78
 Terphenyl-d14
 Concen: 71.80 ng
 RT: 12.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.9	6.2	9.2	
122	7.1	12.0	18.0	

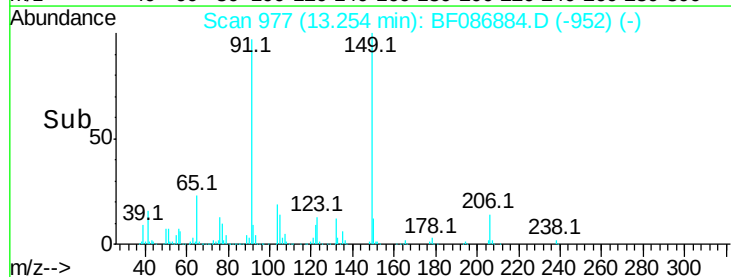
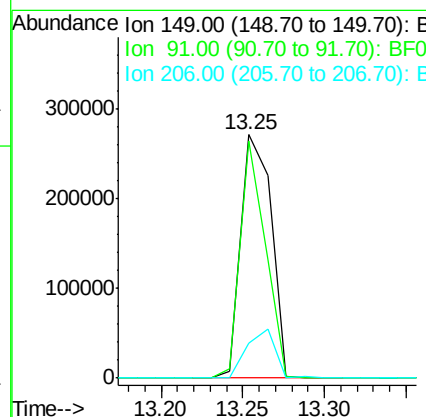
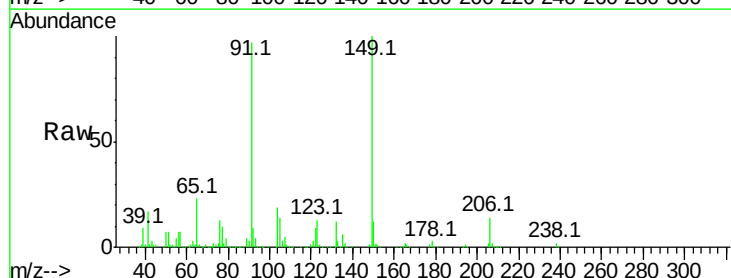
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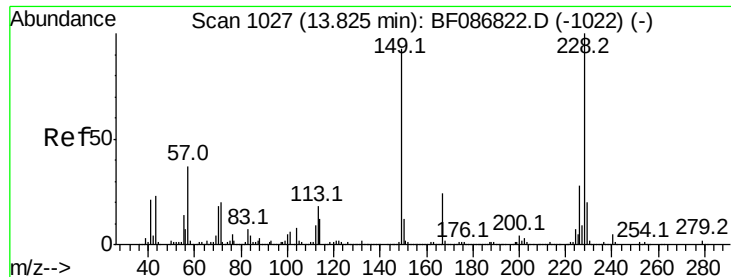
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#79
 Butylbenzylphthalate
 Concen: 41.53 ng
 RT: 13.25 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
91	97.2	48.0	72.0	
206	14.3	15.8	23.6	





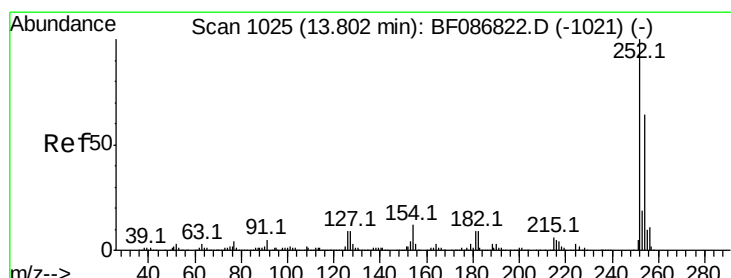
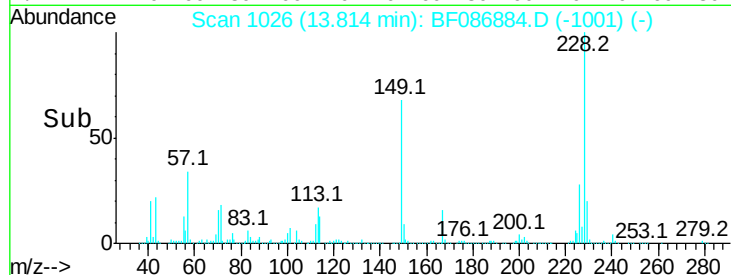
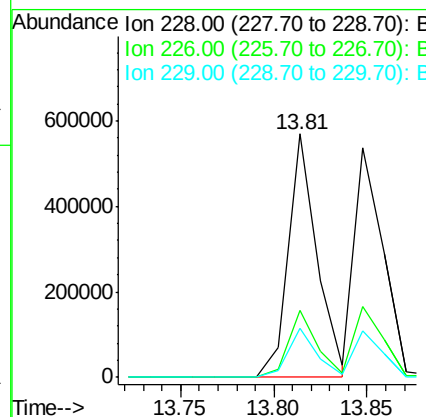
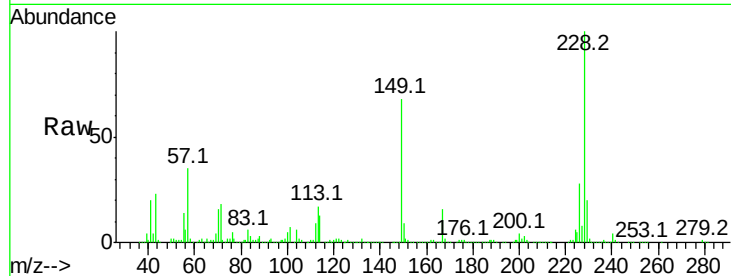
#80
Benzo(a)anthracene
Concen: 42.05 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
228	100	613134		
226	27.5	22.5	33.7	
229	20.1	16.6	25.0	

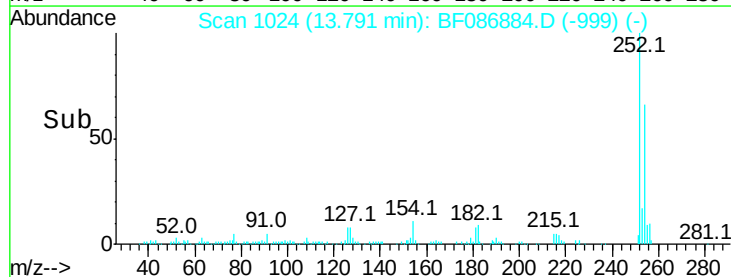
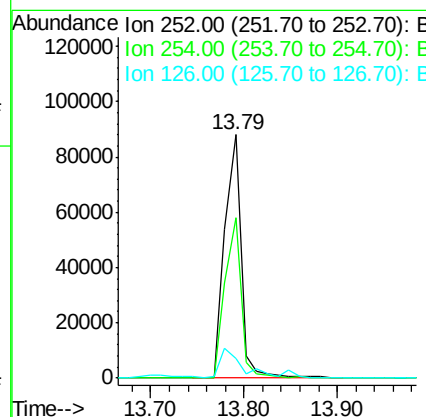
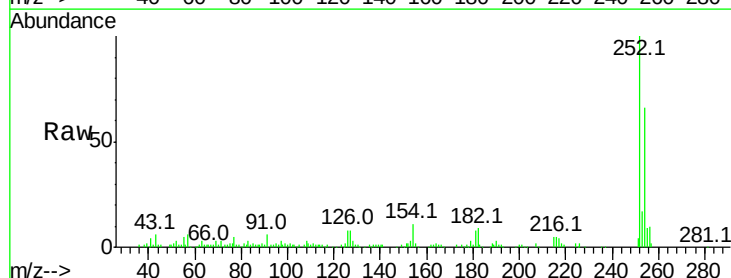
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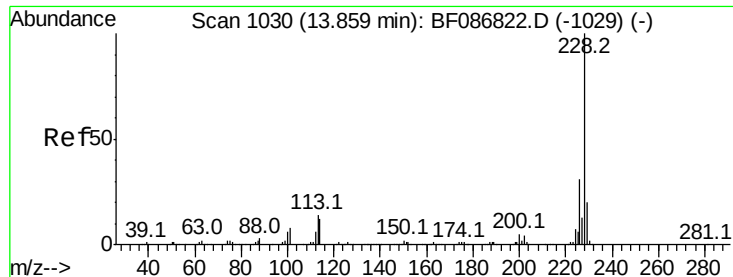
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#81
3,3'-Dichlorobenzidine
Concen: 11.67 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	108107		
254	65.9	50.7	76.1	
126	7.9	12.7	19.1	





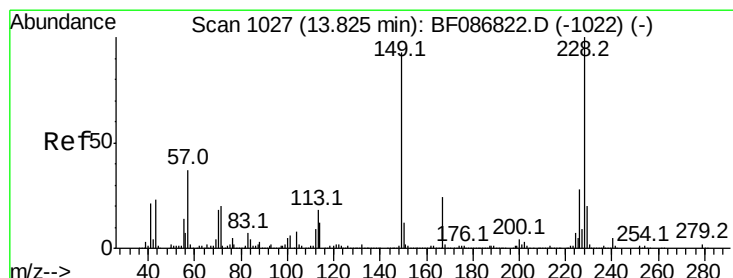
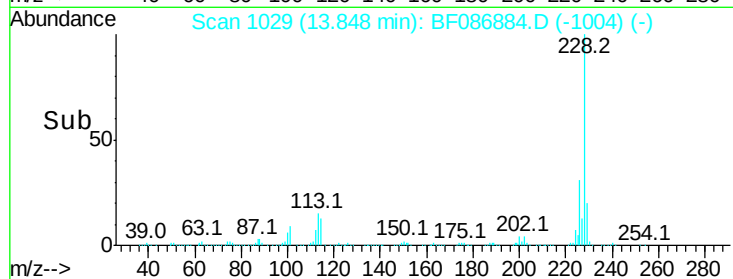
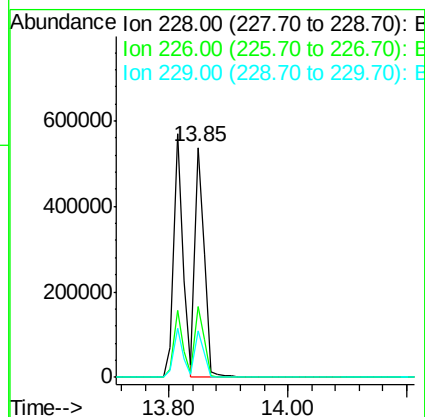
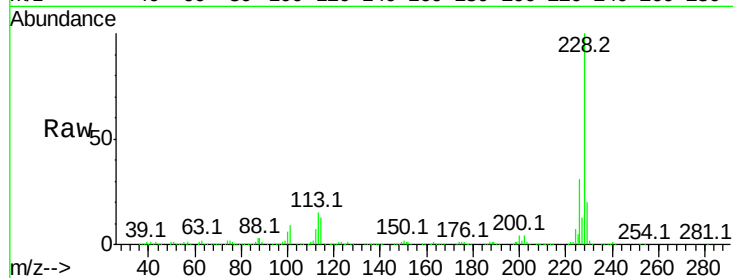
#82
Chrysene
Concen: 39.87 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion:	228	Resp:	591301
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.4	36.6
229	20.3	15.8	23.8

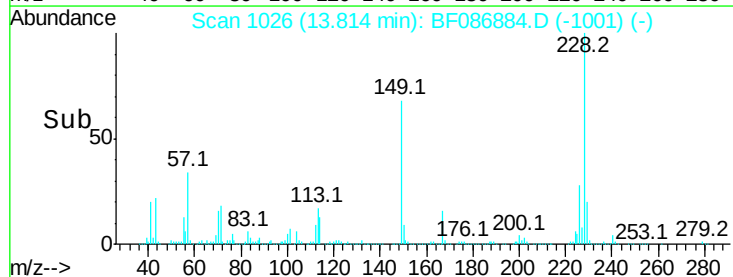
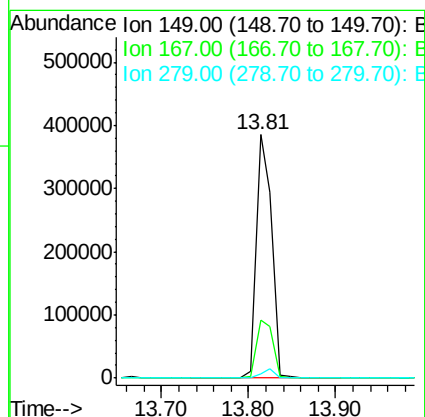
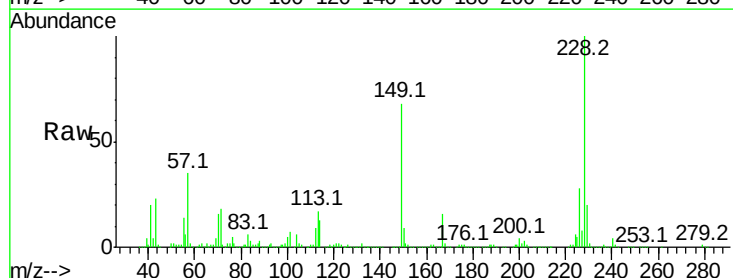
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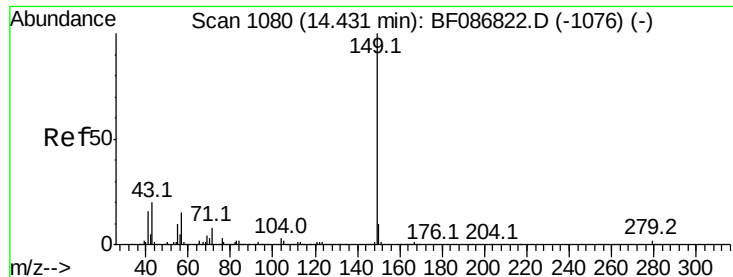
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#83
Bis(2-ethylhexyl)phthalate
Concen: 47.45 ng
RT: 13.81 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion:	149	Resp:	480009
Ion Ratio	Lower	Upper	
149	100		
167	24.1	21.8	32.6
279	1.9	2.6	4.0#





#84

Di-n-octyl phthalate

Concen: 50.85 ng

RT: 14.43 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

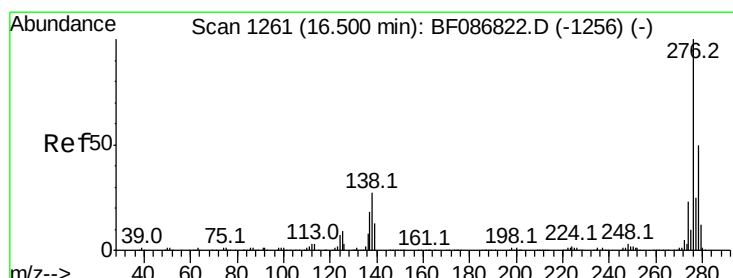
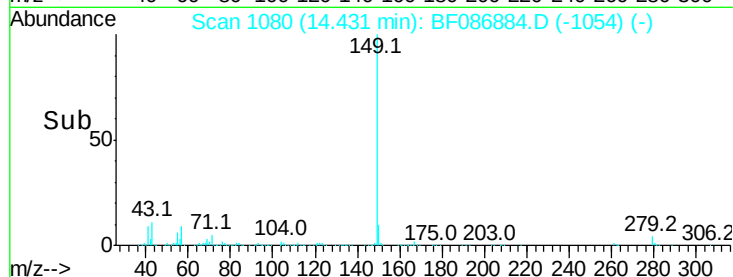
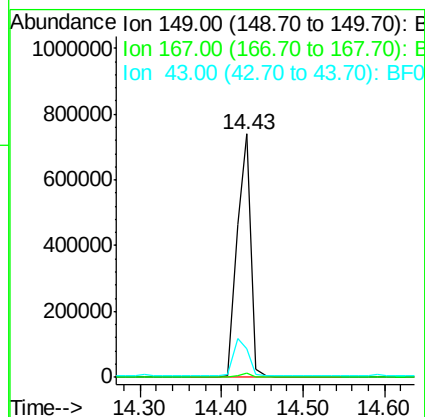
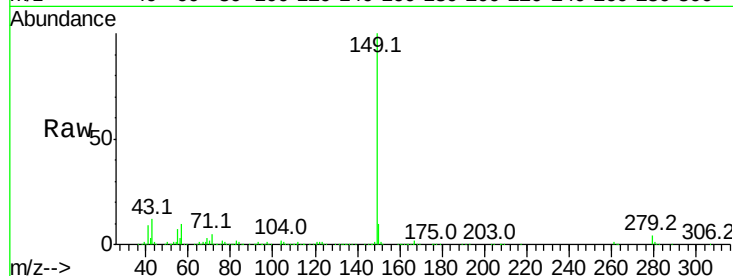
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion:	149	Resp:	852111
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	16.7	8.2	12.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 44.62 ng

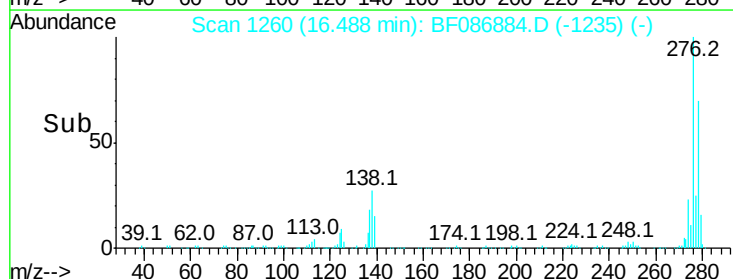
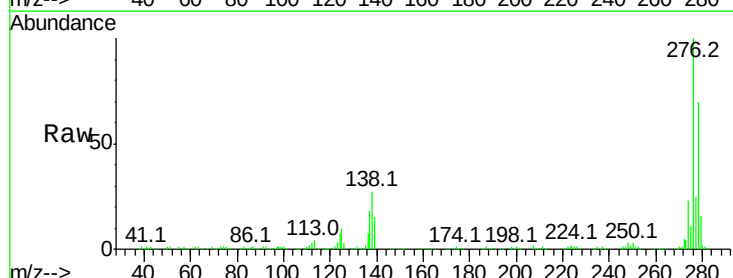
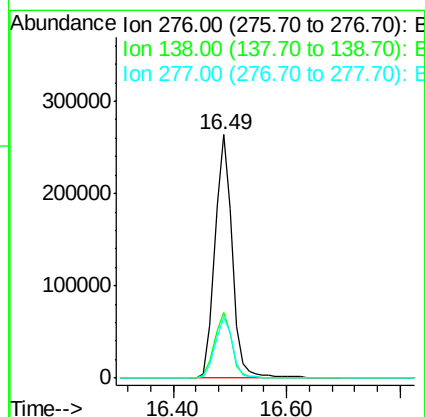
RT: 16.49 min Scan# 1260

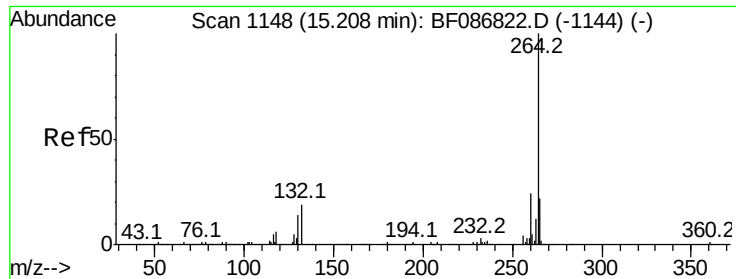
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion:	276	Resp:	550568
Ion Ratio	Lower	Upper	
276	100		
138	27.5	25.6	38.4
277	25.4	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Instrument :

BNA_F

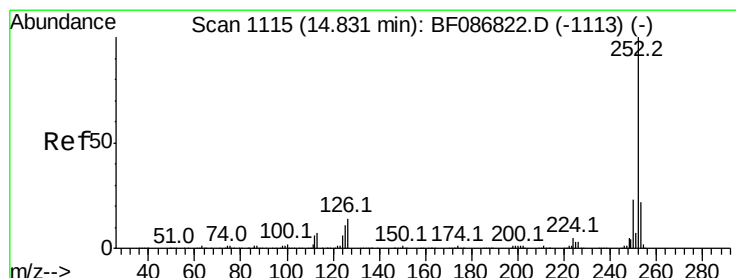
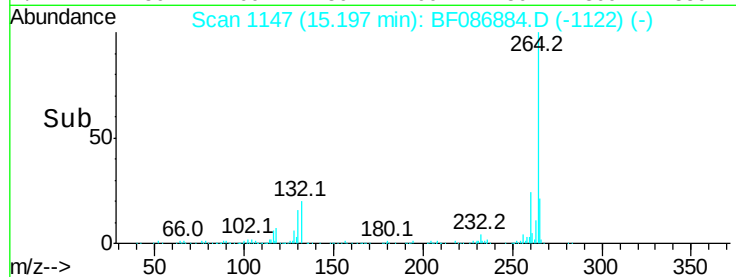
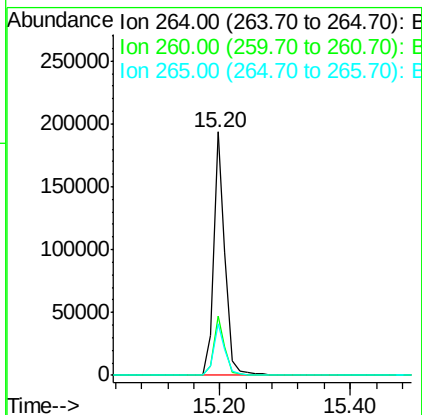
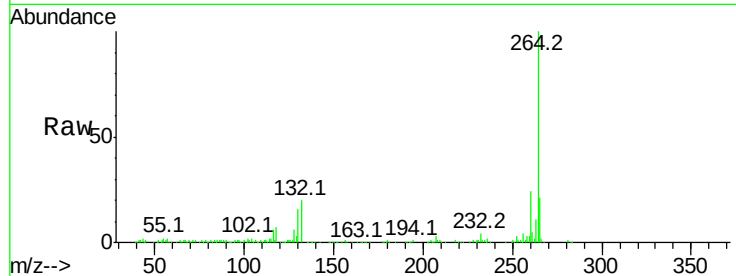
ClientSampleId :

VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.5	29.3	
265	21.5	17.3	25.9	

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#87

Benzo(b)fluoranthene

Concen: 37.53 ng m

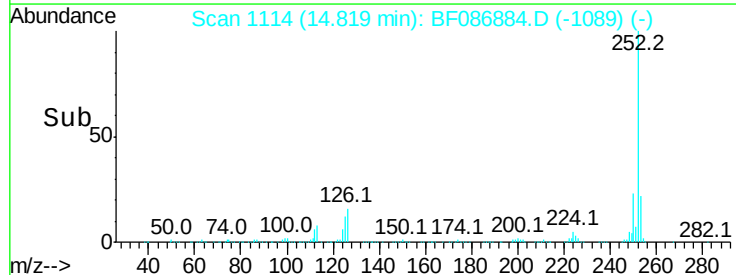
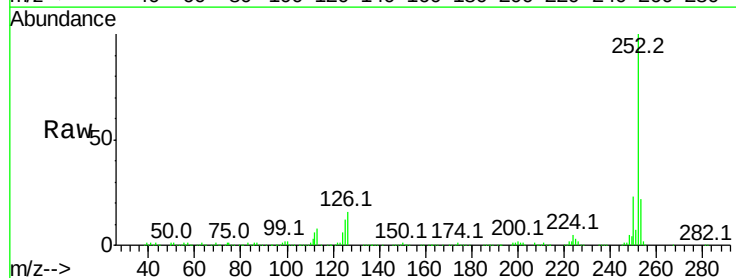
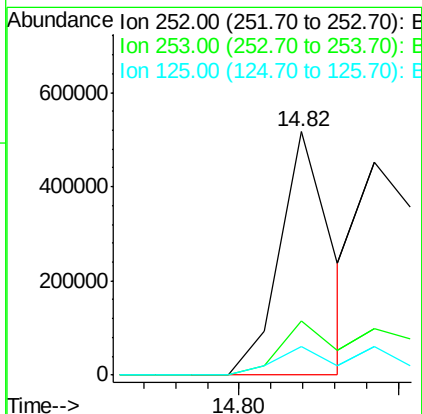
RT: 14.82 min Scan# 1114

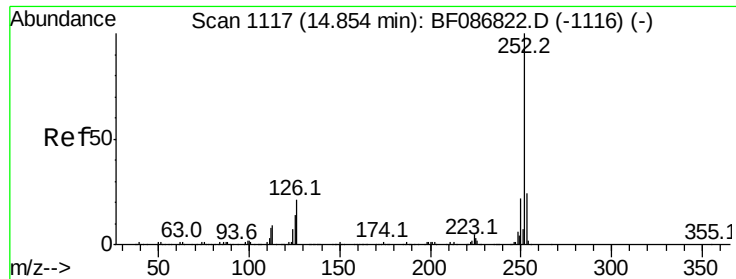
Delta R.T. -0.01 min

Lab File: BF086884.D

Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.3	17.8	26.6	
125	11.9	11.4	17.0	





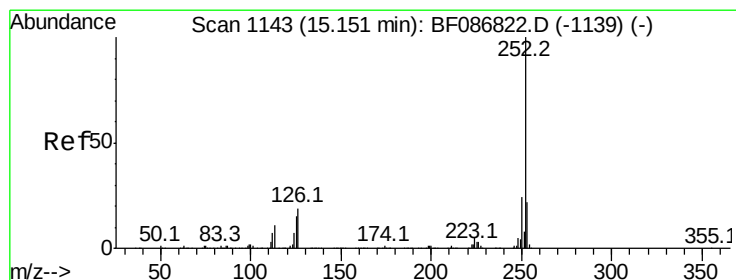
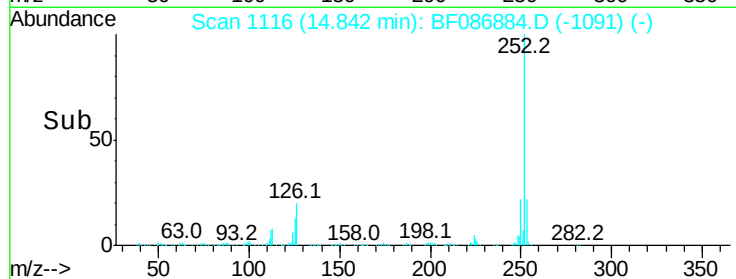
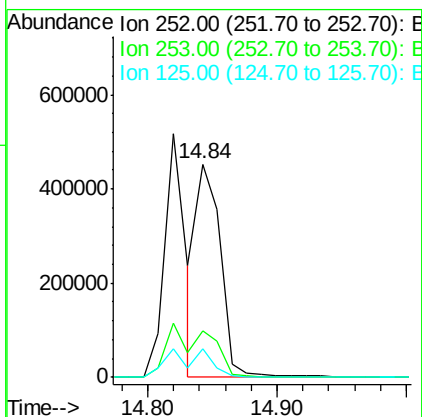
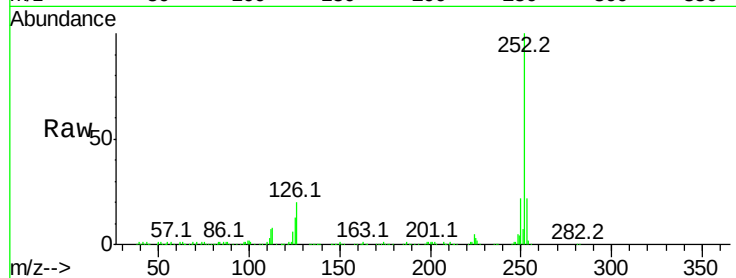
#88
Benzo(k)fluoranthene
Concen: 47.15 ng m
RT: 14.84 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Instrument :
BNA_F
ClientSampleId :
VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.8	26.6
125	13.2	9.1	13.7

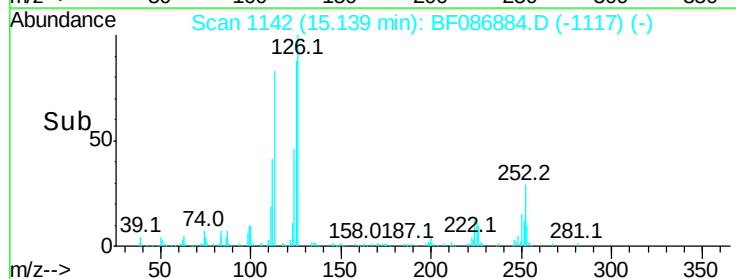
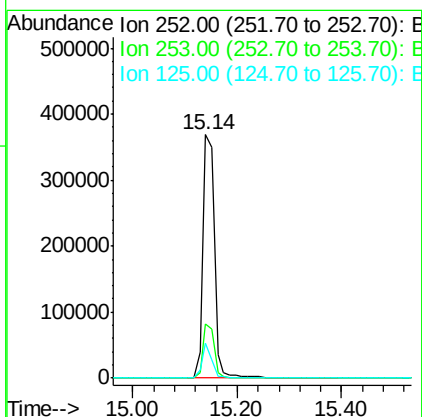
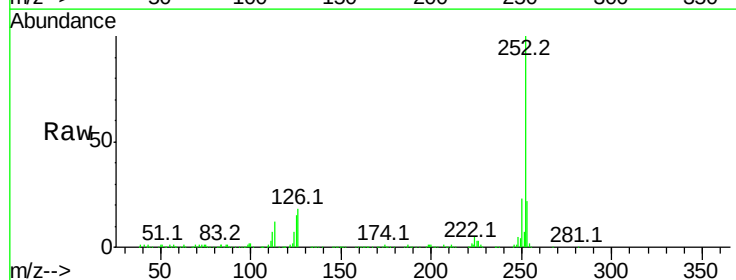
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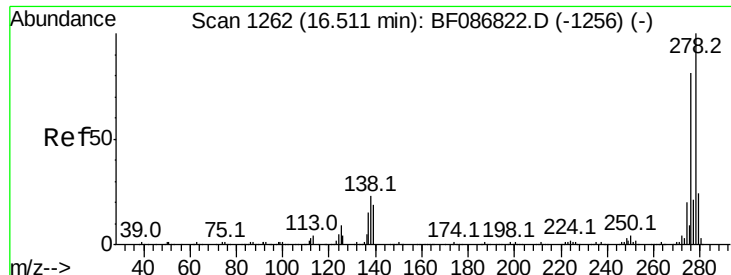
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#89
Benzo(a)pyrene
Concen: 42.32 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF086884.D
Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.0	17.2	25.8
125	14.6	9.0	13.6#





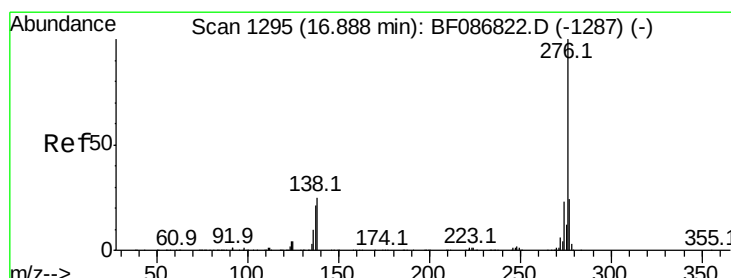
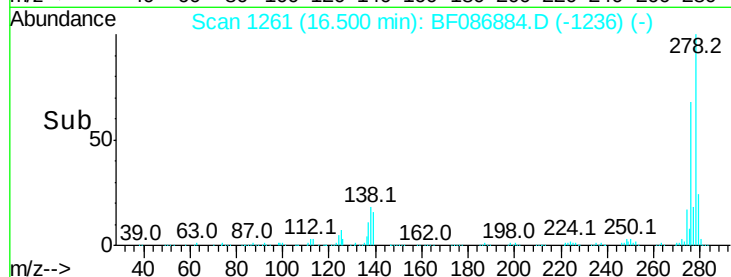
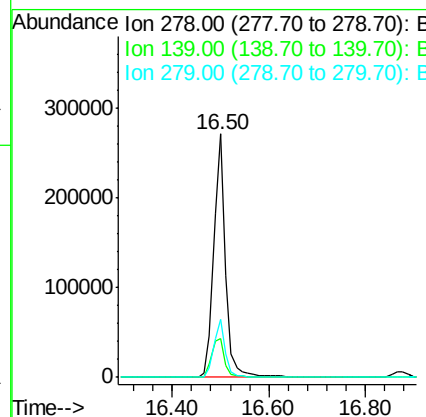
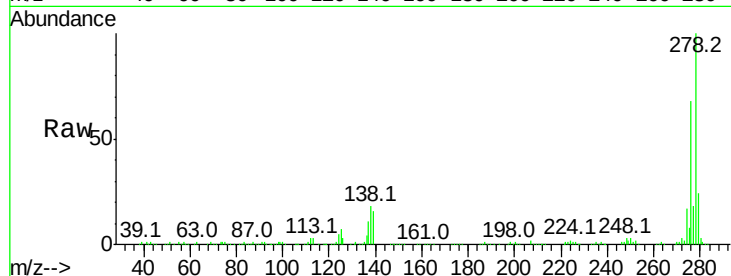
#90
 Dibenzo(a,h)anthracene
 Concen: 41.85 ng
 RT: 16.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-FILL-CSPH3-7KMS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.9	16.6	24.8#
279	23.8	19.6	29.4

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#91
 Benzo(g,h,i)perylene
 Concen: 40.05 ng
 RT: 16.88 min Scan# 1294
 Delta R.T. -0.01 min
 Lab File: BF086884.D
 Acq: 11 May 2016 6:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.6	29.4
138	20.7	23.6	35.4#

