

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107414.D
 Acq On : 16 Jul 2018 20:39
 Operator : JU/SJ
 Sample : J3976-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Manual Integrations
 APPROVED

Sohil
 7/17/2018 4:53:03 PM

Quant Time: Jul 17 01:41:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	151765	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	578719	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	301275	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	550588	20.00	ng	0.00
75) Chrysene-d12	14.16	240	402307	20.00	ng	0.00
86) Perylene-d12	15.69	264	440867	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	808375	80.90	ng	0.00
7) Phenol-d6	6.60	99	1065684	82.49	ng	0.00
23) Nitrobenzene-d5	7.54	82	751506	69.25	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	207984	78.57	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1148279	60.41	ng	0.00
78) Terphenyl-d14	13.09	244	996730	61.56	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.90	88	116867	23.689	ng	92
3) Pyridine	3.65	79	318776	23.957	ng	93
4) n-Nitrosodimethylamine	3.61	42	170398	31.186	ng	84
6) Aniline	6.64	93	320348	18.757	ng	# 83
8) 2-Chlorophenol	6.77	128	298012	29.489	ng	94
9) Benzaldehyde	6.53	77	215707	20.755	ng	92
10) Phenol	6.61	94	408673	29.505	ng	79
11) bis(2-Chloroethyl)ether	6.71	93	306561	27.121	ng	95
12) 1,3-Dichlorobenzene	6.92	146	333735	27.201	ng	# 86
13) 1,4-Dichlorobenzene	7.00	146	335157	27.557	ng	# 92
14) 1,2-Dichlorobenzene	7.15	146	311285m	27.354	ng	
15) Benzyl Alcohol	7.11	79	358798	27.653	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.25	45	329097	27.284	ng	81
17) 2-Methylphenol	7.22	107	290134	30.196	ng	# 85
18) Hexachloroethane	7.50	117	127604	28.198	ng	# 83
19) n-Nitroso-di-n-propylamine	7.38	70	268929	29.072	ng	# 97
20) 3+4-Methylphenols	7.37	107	361421	29.611	ng	86
22) Acetophenone	7.38	105	474160	29.820	ng	# 91
24) Nitrobenzene	7.56	77	380294	31.181	ng	91
25) Isophorone	7.80	82	701420	32.607	ng	# 92
26) 2-Nitrophenol	7.88	139	150491	36.298	ng	# 84
27) 2,4-Dimethylphenol	7.90	122	276044	31.929	ng	# 82
28) bis(2-Chloroethoxy)methane	8.00	93	416223	30.895	ng	98
29) 2,4-Dichlorophenol	8.11	162	271388	30.165	ng	93
30) 1,2,4-Trichlorobenzene	8.20	180	299847	27.523	ng	99
31) Naphthalene	8.28	128	842510	29.971	ng	97
32) Benzoic acid	7.99	122	115147m	21.701	ng	
33) 4-Chloroaniline	8.32	127	162582	13.355	ng	# 83
34) Hexachlorobutadiene	8.40	225	209281	28.708	ng	96
35) Caprolactam	8.68	113	86998	29.727	ng	# 84
36) 4-Chloro-3-methylphenol	8.80	107	348286	29.627	ng	# 83
37) 2-Methylnaphthalene	8.98	142	571385	30.837	ng	# 86
39) 1,2,4,5-Tetrachlorobenzene	9.14	216	344244	29.363	ng	98
40) Hexachlorocyclopentadiene	9.12	237	343176	56.044	ng	96

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Manual Integrations
 APPROVED

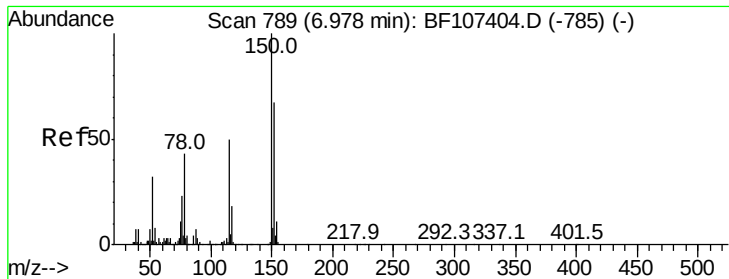
Sohil
 7/17/2018 4:53:03 PM

Quant Time: Jul 17 01:41:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) 2,4,6-Trichlorophenol	9.25	196	221746m	30.300	nq	
43) 2,4,5-Trichlorophenol	9.28	196	218222	31.170	nq	91
45) 1,1'-Biphenyl	9.44	154	729845	28.019	nq	96
46) 2-Chloronaphthalene	9.47	162	588100	28.586	nq	96
47) 2-Nitroaniline	9.56	65	203798	32.370	nq	# 78
48) Acenaphthylene	9.88	152	873381	30.420	nq	95
49) Dimethylphthalate	9.74	163	933672	39.005	nq	99
50) 2,6-Dinitrotoluene	9.80	165	146214	32.010	nq	# 79
51) Acenaphthene	10.05	154	623767	32.773	nq	98
52) 3-Nitroaniline	9.97	138	101038	21.059	nq	83
53) 2,4-Dinitrophenol	10.07	184	130140	65.286	nq	# 28
54) Dibenzofuran	10.23	168	824649	28.038	nq	97
55) 4-Nitrophenol	10.12	139	198647	51.167	nq	# 52
56) 2,4-Dinitrotoluene	10.20	165	202048	33.936	nq	# 75
57) Fluorene	10.57	166	575198	29.528	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.34	232	192468	28.380	nq	# 89
59) Diethylphthalate	10.44	149	691650	29.741	nq	95
60) 4-Chlorophenyl-phenylether	10.56	204	329802	28.424	nq	95
61) 4-Nitroaniline	10.58	138	117383	25.708	nq	# 43
62) Azobenzene	10.72	77	756355	27.696	nq	89
64) 4,6-Dinitro-2-methylphenol	10.61	198	106269	37.886	nq	85
65) n-Nitrosodiphenylamine	10.68	169	542289	31.185	nq	95
66) 4-Bromophenyl-phenylether	11.05	248	193421	30.705	nq	95
67) Hexachlorobenzene	11.12	284	176400	30.252	nq	90
68) Atrazine	11.20	200	209953	31.950	nq	97
69) Pentachlorophenol	11.31	266	206723	47.974	nq	95
70) Phenanthrene	11.54	178	826348	30.116	nq	98
71) Anthracene	11.59	178	861258	31.514	nq	98
72) Carbazole	11.74	167	681025	26.321	nq	97
73) Di-n-butylphthalate	12.07	149	953560	32.069	nq	# 96
74) Fluoranthene	12.73	202	834973	26.773	nq	92
76) Benzidine	12.85	184	267884	17.157	nq	96
77) Pyrene	12.96	202	796349	29.109	nq	98
79) Butylbenzylphthalate	13.57	149	332038	33.320	nq	# 85
80) Benzo(a)anthracene	14.15	228	750130	30.474	nq	99
81) 3,3'-Dichlorobenzidine	14.11	252	163923	19.856	nq	# 96
82) Chrysene	14.18	228	717314	30.506	nq	99
83) Bis(2-ethylhexyl)phthalate	14.12	149	484147	33.904	nq	# 91
84) Di-n-octyl phthalate	14.75	149	822293	37.043	nq	# 98
85) Indeno(1,2,3-cd)pyrene	17.25	276	782354	46.743	nq	# 89
87) Benzo(b)fluoranthene	15.23	252	753061	29.183	nq	# 97
88) Benzo(k)fluoranthene	15.27	252	710319	28.206	nq	# 94
89) Benzo(a)pyrene	15.62	252	717445	30.292	nq	97
90) Dibenzo(a,h)anthracene	17.28	278	614686	34.388	nq	# 95
91) Benzo(g,h,i)perylene	17.74	276	641669	35.328	nq	# 88

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



#1

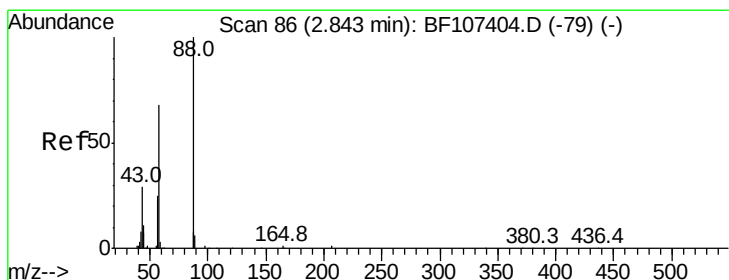
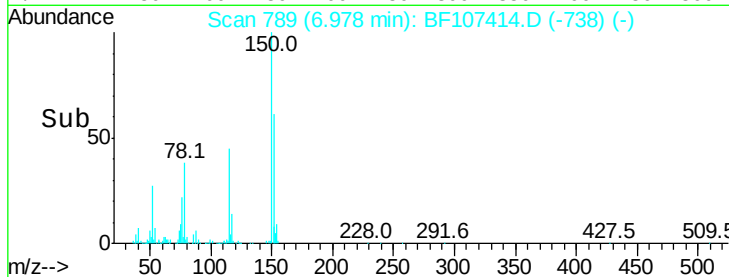
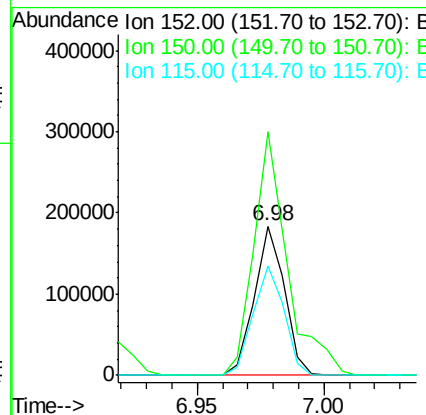
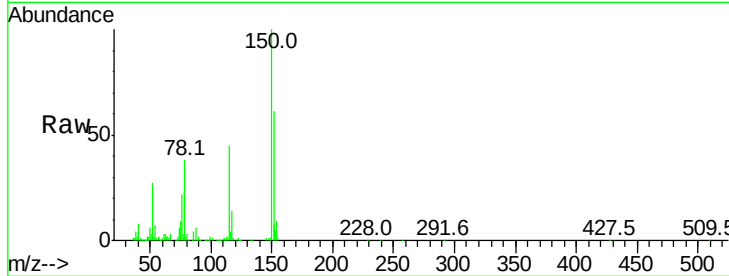
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	124.6	186.8
115	73.4	50.1	75.1

Manual Integrations
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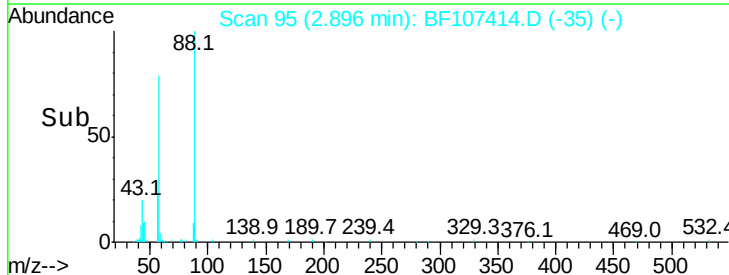
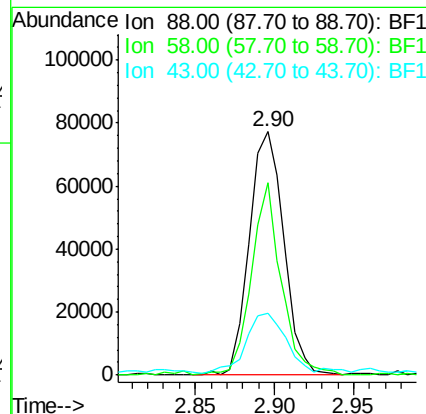
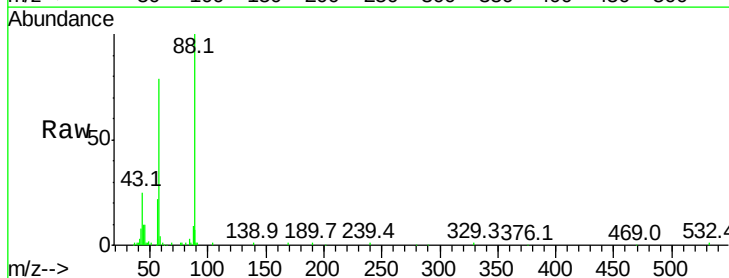
Sohil
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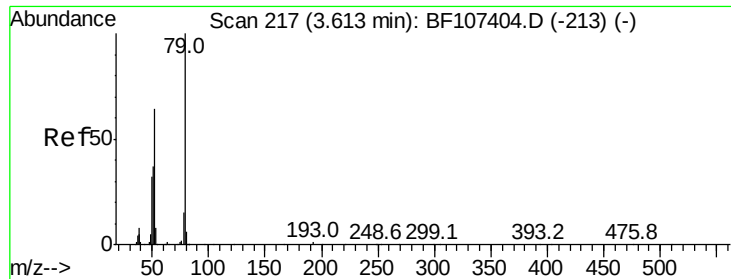


#2

1,4-Dioxane
Concen: 23.689 ng
RT: 2.90 min Scan# 95
Delta R.T. 0.05 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.6	62.6	93.8
43	29.6	24.6	37.0





#3

Pvridine

Concen: 23.957 ng

RT: 3.65 min Scan# 224

Delta R.T. 0.04 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

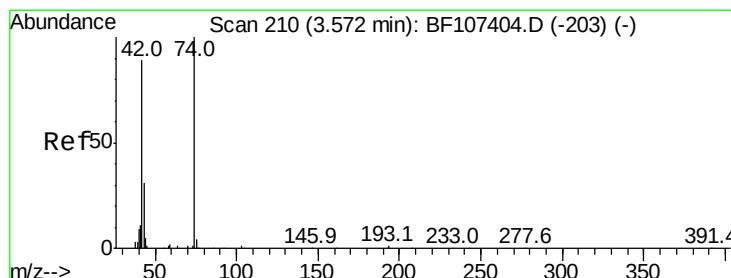
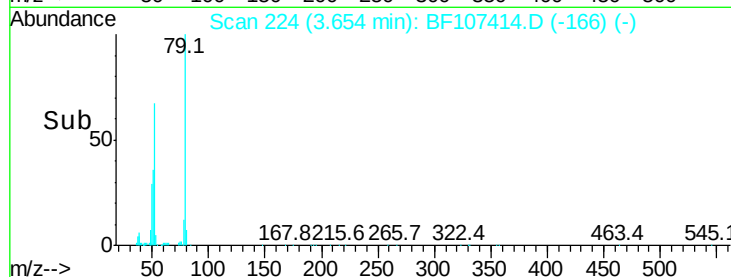
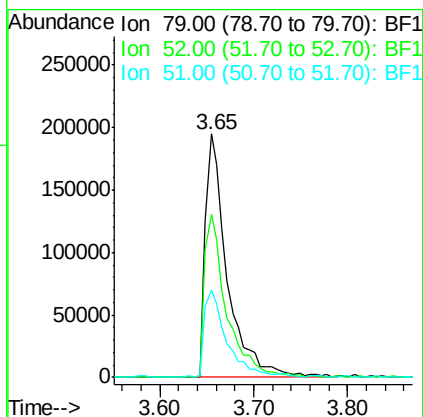
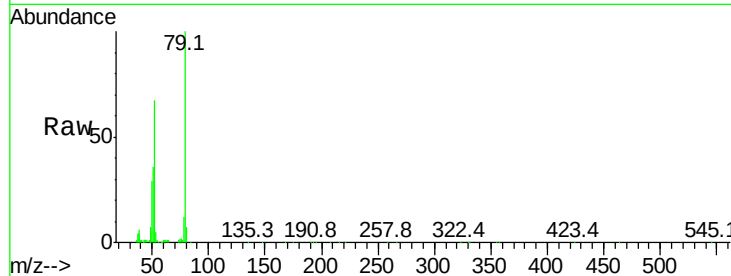
ClientSampleId :

FK-PS-01-033MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100		318776		
52	66.7	59.8	89.6		
51	36.0	29.8	44.8		

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 31.186 ng

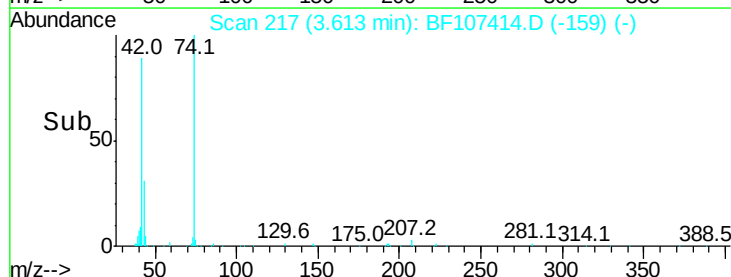
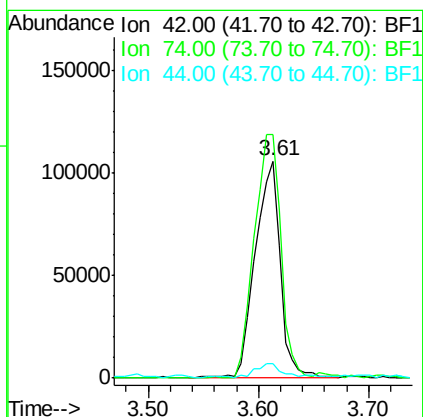
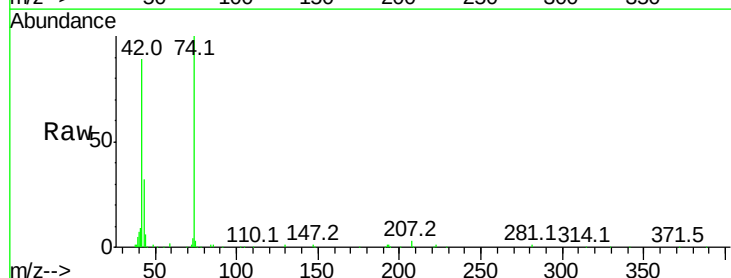
RT: 3.61 min Scan# 217

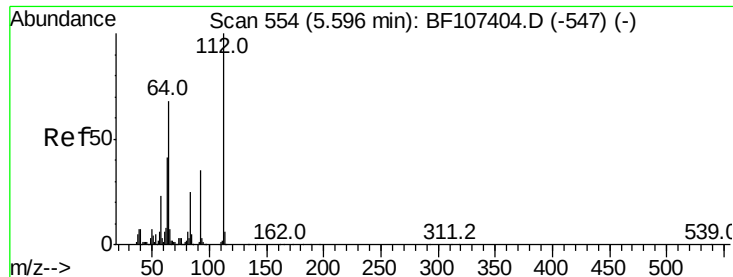
Delta R.T. 0.04 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100		170398		
74	112.0	104.9	157.3		
44	7.2	6.9	10.3		





#5

2-Fluorophenol

Concen: 80.896 ng

RT: 5.60 min Scan# 555

Delta R.T. 0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

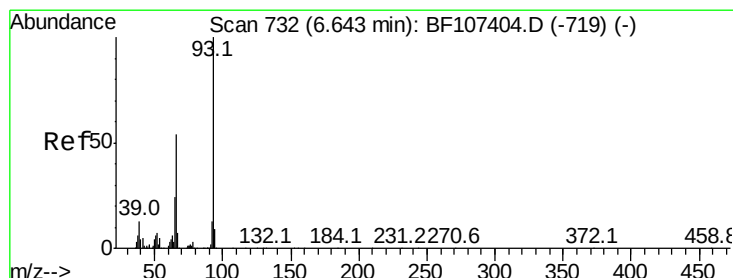
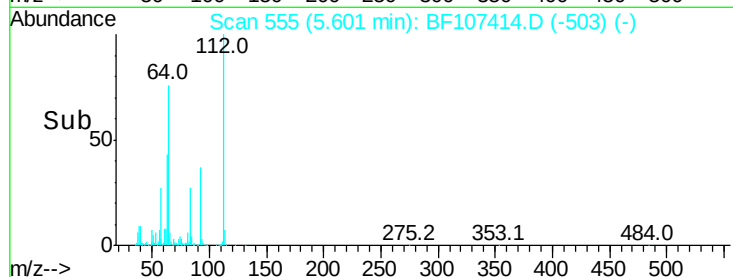
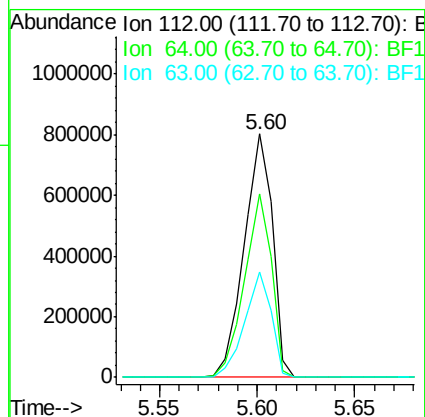
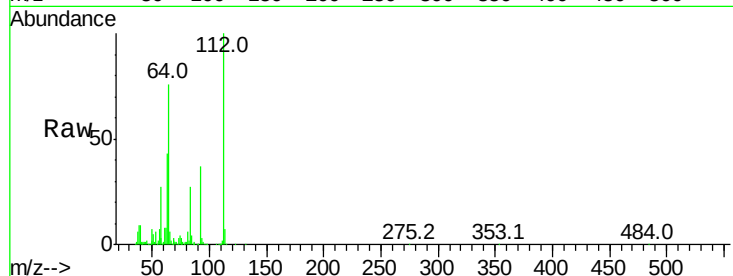
ClientSampleId :

FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	808375		
64	75.6	47.9	71.9#	
63	43.2	23.7	35.5#	

Manual Integrations
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#6

Aniline

Concen: 18.757 ng

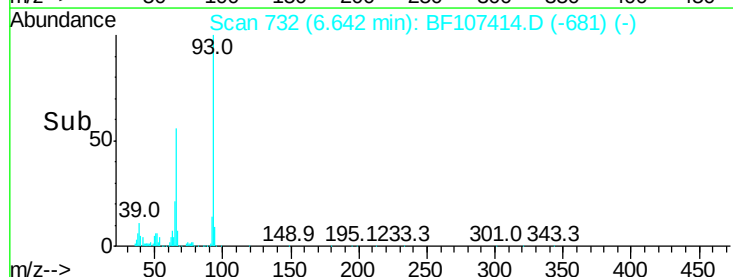
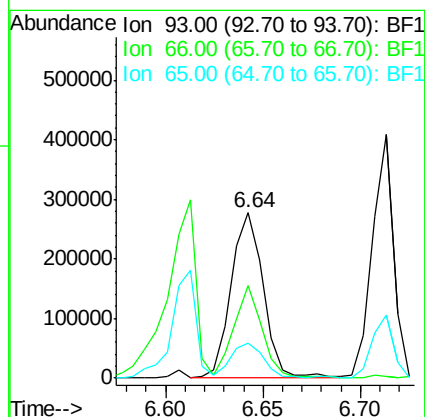
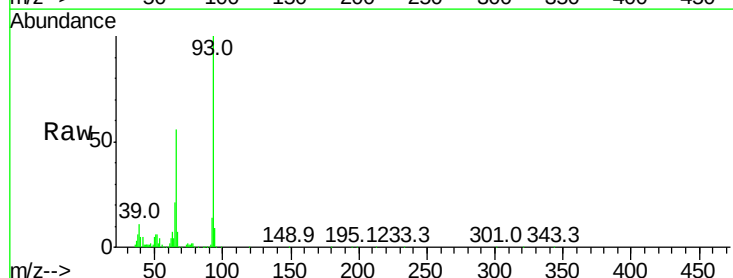
RT: 6.64 min Scan# 732

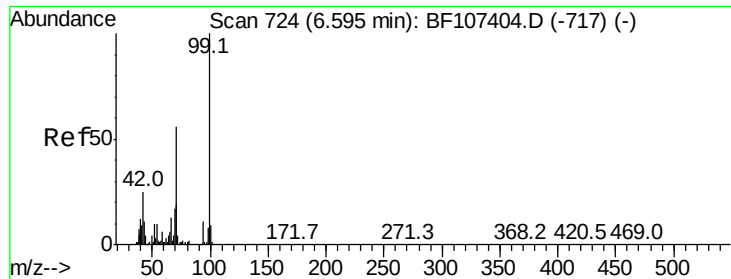
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	320348		
66	55.8	32.2	48.2#	
65	21.1	16.4	24.6	





#7

Phenol-d6

Concen: 82.486 ng

RT: 6.60 min Scan# 725

Delta R.T. 0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD

Tot Ion: 99 Resp: 1065684

Ion Ratio Lower Upper

99 100

42 25.7 14.5 21.7#

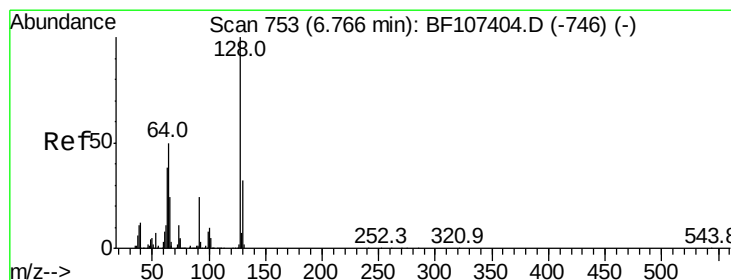
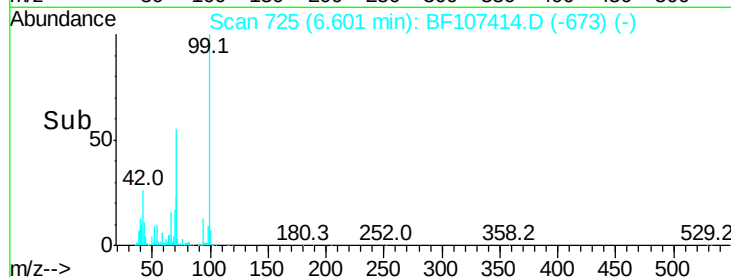
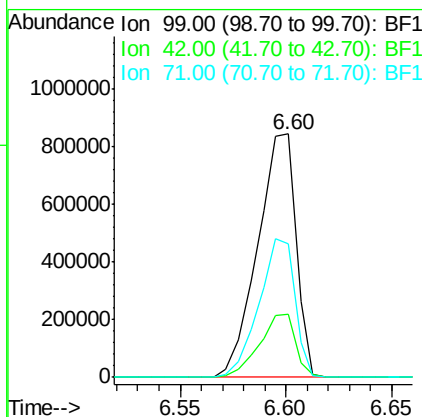
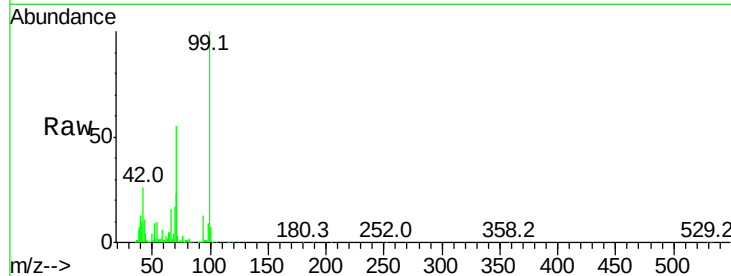
71 55.0 25.4 38.0#

Manual Integrations

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#8

2-Chlorophenol

Concen: 29.489 ng

RT: 6.77 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

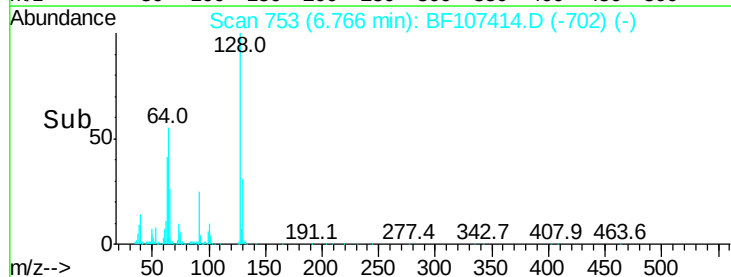
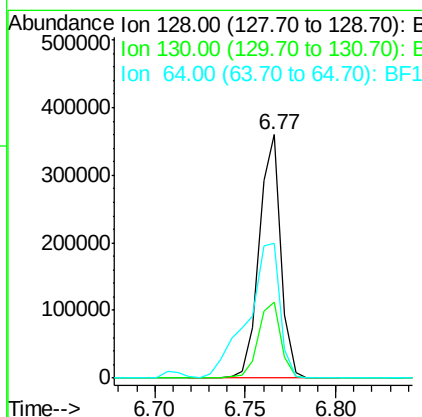
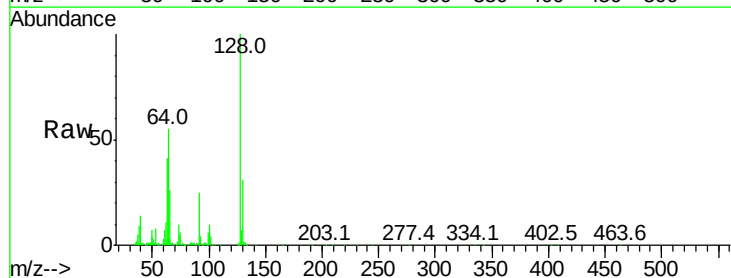
Tgt Ion: 128 Resp: 298012

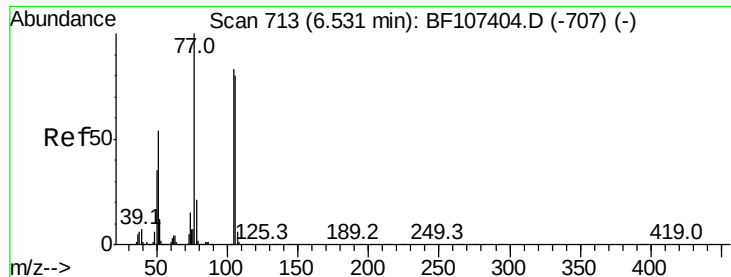
Ion Ratio Lower Upper

128 100

130 31.0 13.0 53.0

64 55.2 29.4 69.4





#9

Benzaldehyde

Concen: 20.755 ng

RT: 6.53 min Scan# 713

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

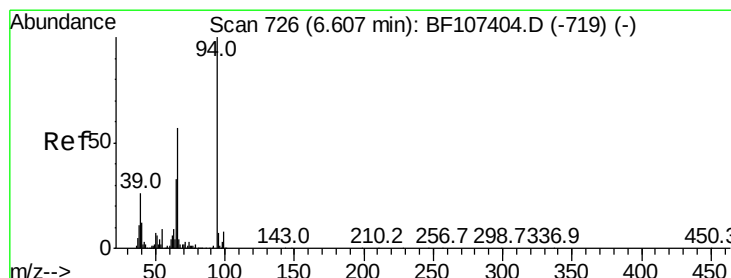
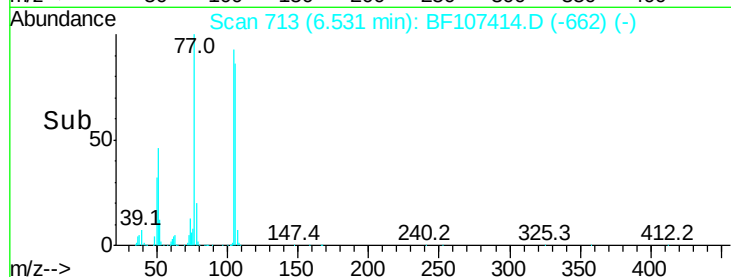
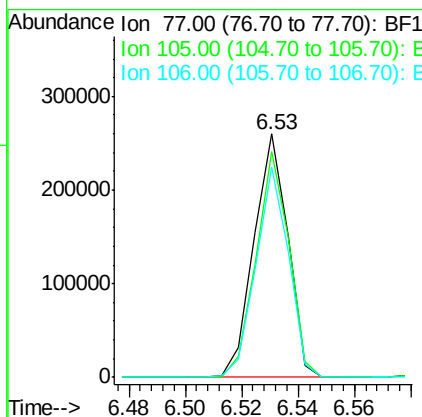
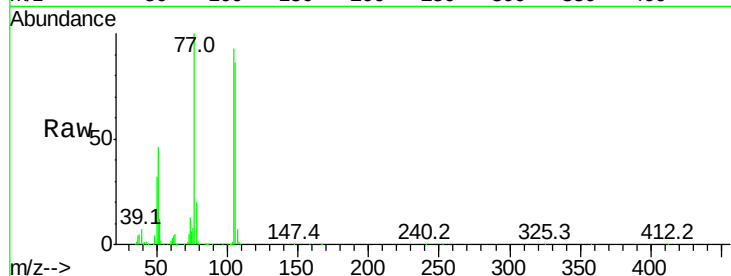
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	77	Resp:	215707
Ion Ratio	Lower	Upper	
77	100		
105	92.6	81.1	121.1
106	86.3	74.5	114.5

Manual Integrations
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#10

Phenol

Concen: 29.505 ng

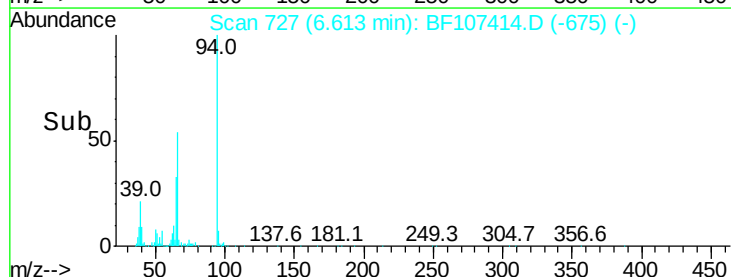
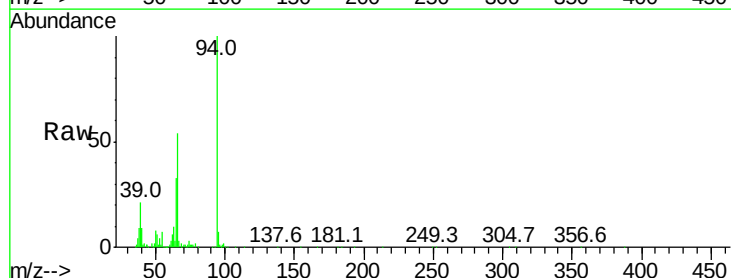
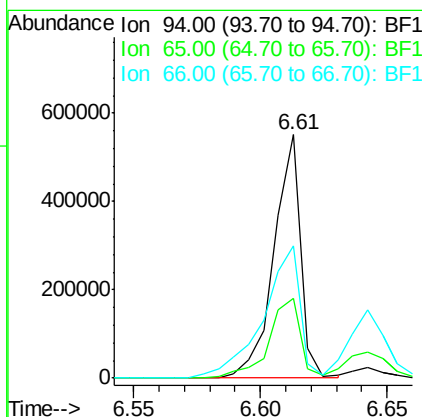
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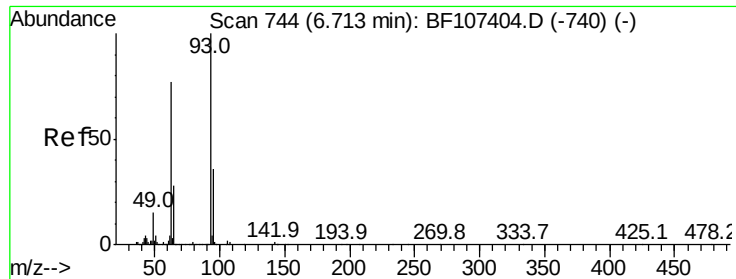
Delta R.T. 0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	94	Resp:	408673
Ion Ratio	Lower	Upper	
94	100		
65	32.8	7.9	47.9
66	54.4	16.2	56.2





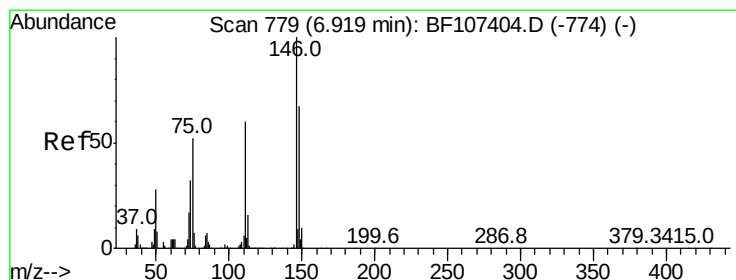
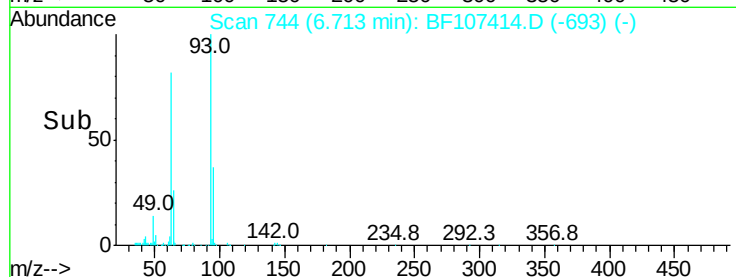
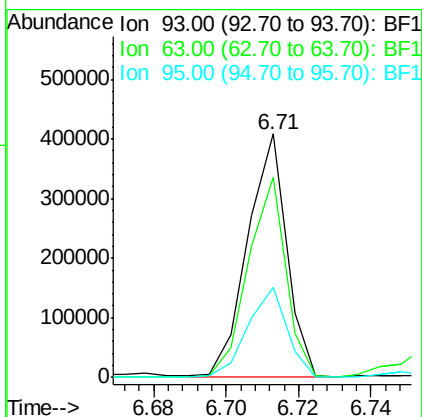
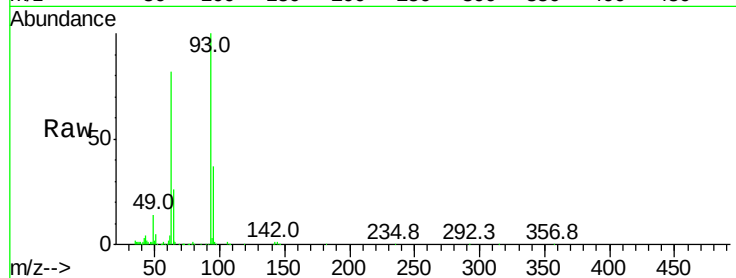
#11
bis(2-Chloroethyl)ether
Concen: 27.121 ng
RT: 6.71 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.0	58.6	98.6
95	36.9	11.8	51.8

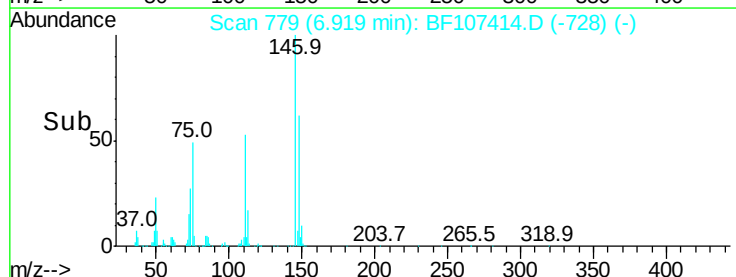
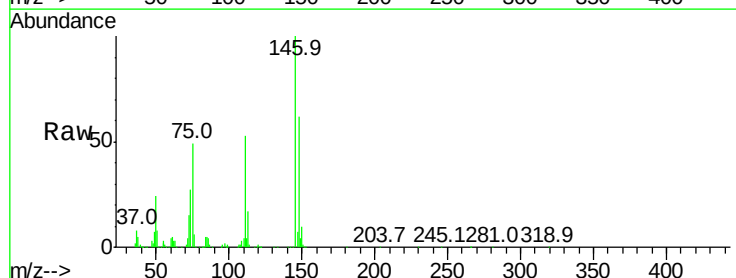
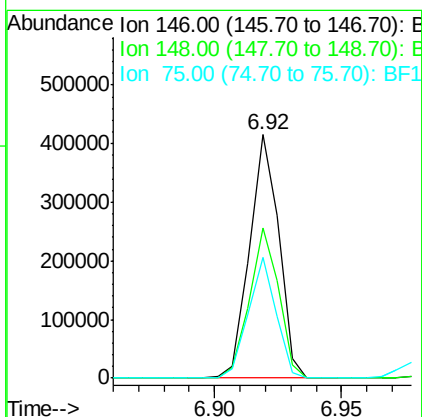
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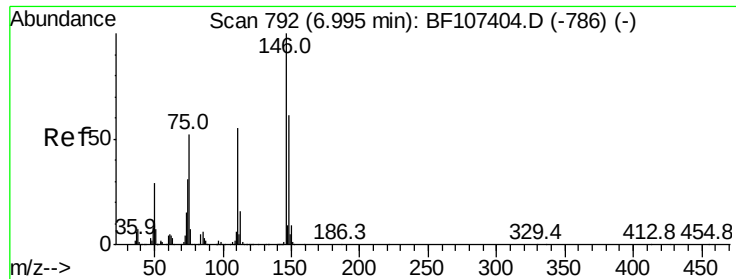
Sohil
7/17/2018 4:53:03 PM



#12
1,3-Dichlorobenzene
Concen: 27.201 ng
RT: 6.92 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.5	51.8	77.8
75	49.4	24.2	36.4





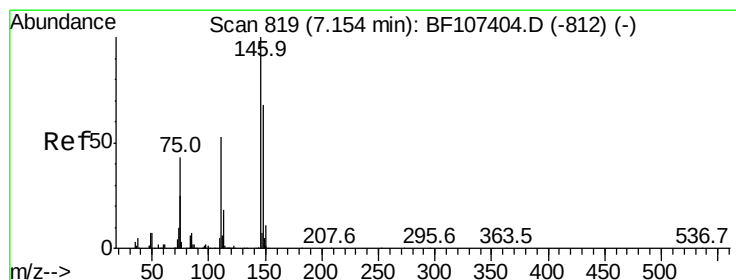
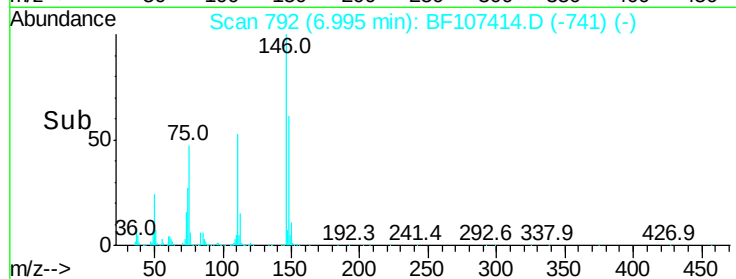
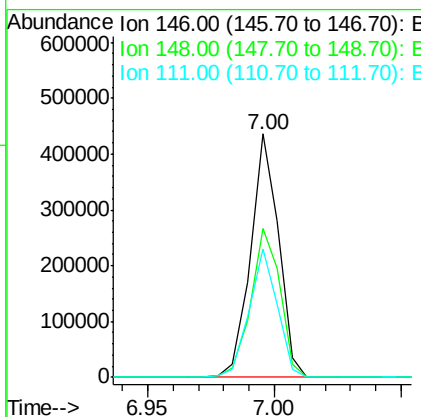
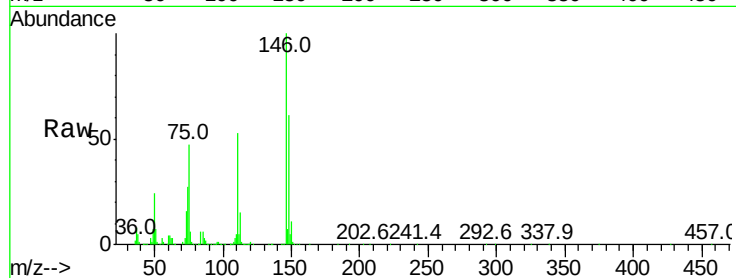
#13
1,4-Dichlorobenzene
Concen: 27.557 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.2	50.8	76.2
111	52.8	34.2	51.2

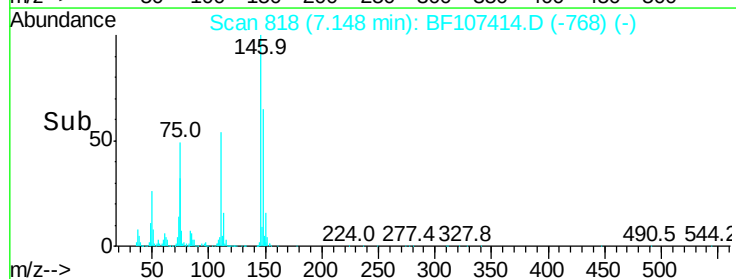
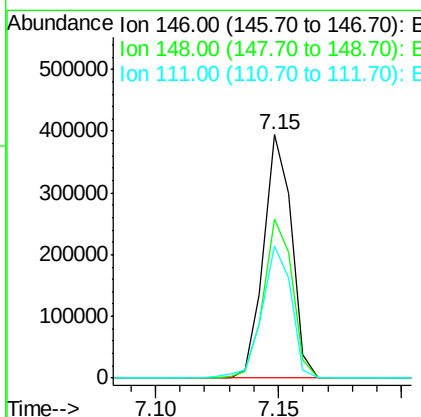
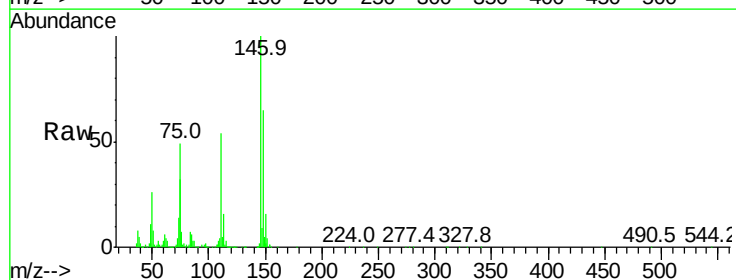
Manual Integrations
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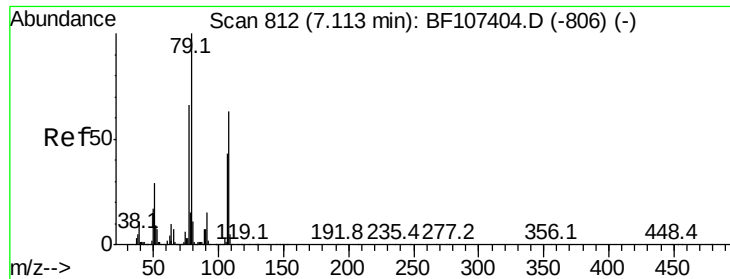
Sohil
7/17/2018 4:53:03 PM



#14
1,2-Dichlorobenzene
Concen: 27.354 ng m
RT: 7.15 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.5	50.6	75.8
111	54.1	36.0	54.0





#15

Benzyl Alcohol

Concen: 27.653 ng

RT: 7.11 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

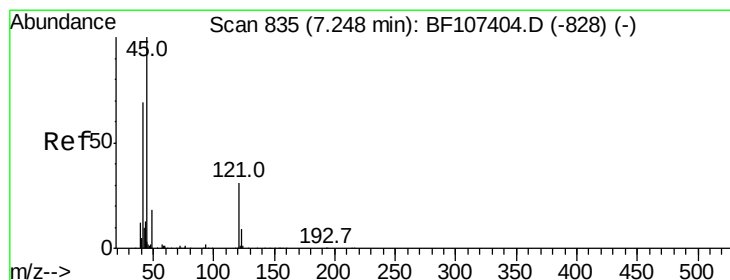
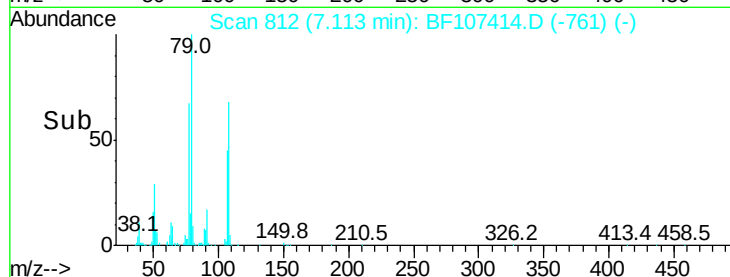
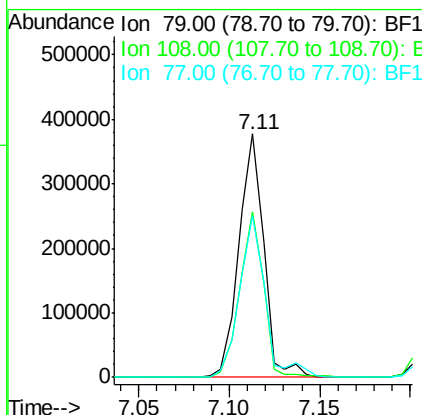
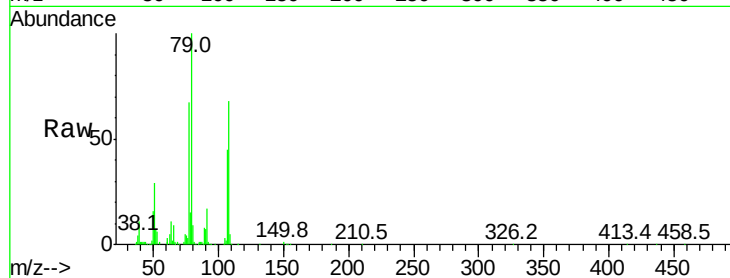
ClientSampleId :

FK-PS-01-033MSD

Tot Ion	79	Resp	358798
Ion Ratio	Lower	Upper	
79	100		
108	67.8	65.1	97.7
77	66.5	50.6	75.8

Manual Integrations
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Sohil
7/17/2018 4:53:03 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 27.284 ng

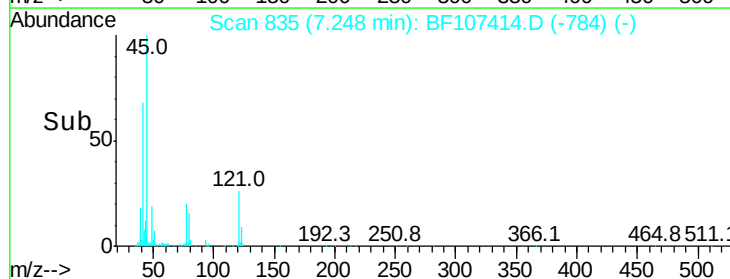
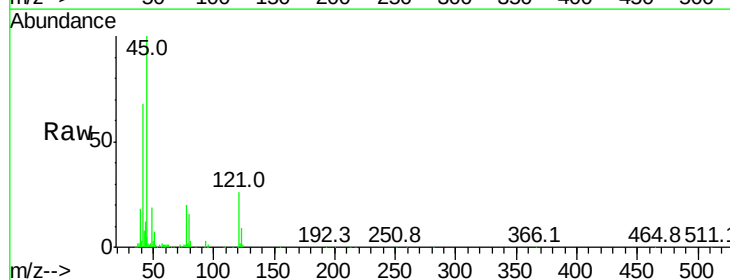
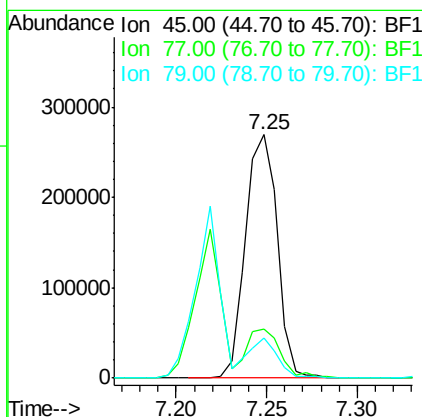
RT: 7.25 min Scan# 835

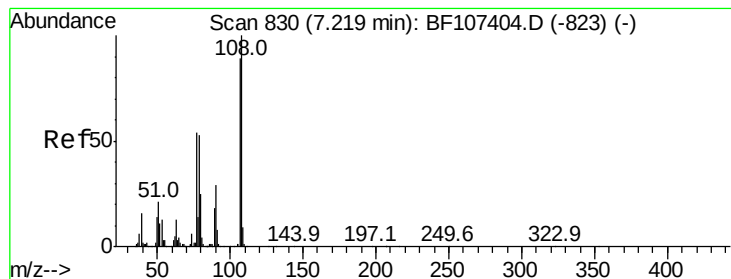
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion	45	Resp	329097
Ion Ratio	Lower	Upper	
45	100		
77	20.4	0.0	32.9
79	16.3	0.0	29.6





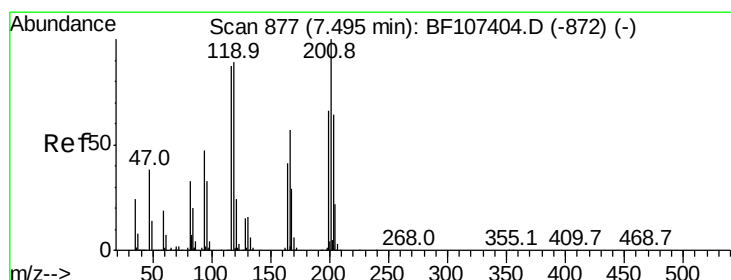
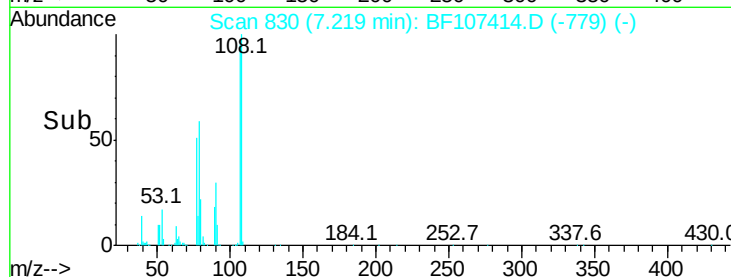
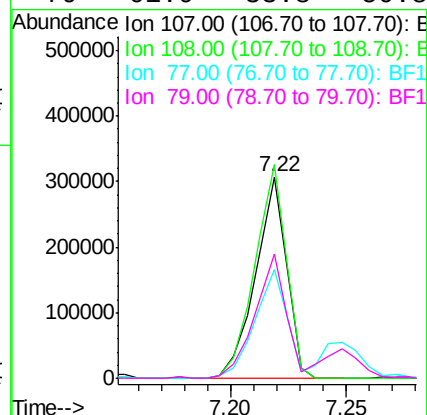
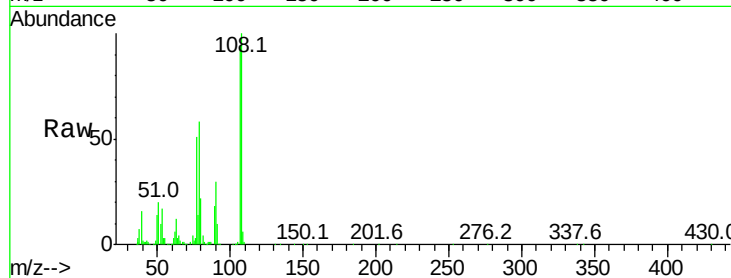
#17
2-Methylphenol
Concen: 30.196 ng
RT: 7.22 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	106.1	91.7	137.5	
77	53.8	33.8	50.8#	
79	61.9	33.8	50.8#	

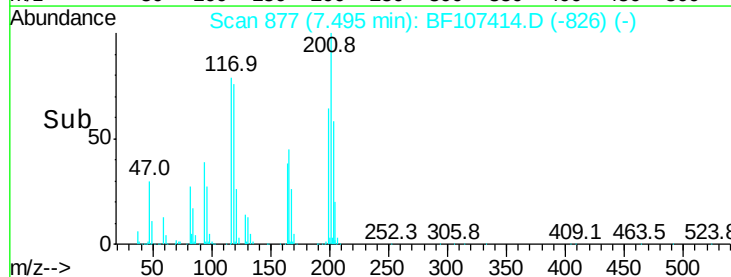
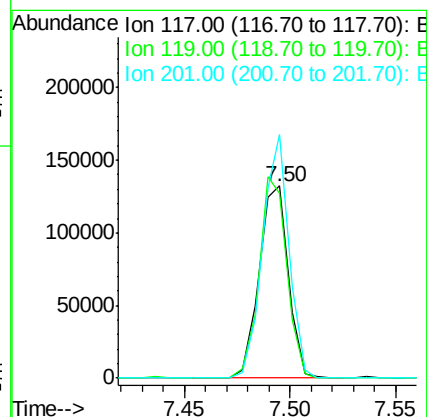
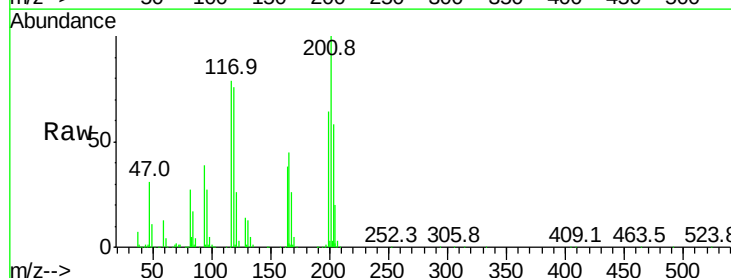
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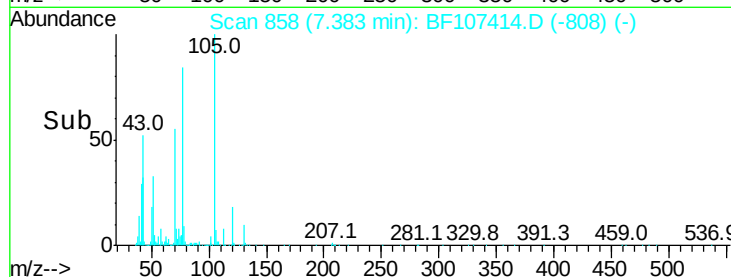
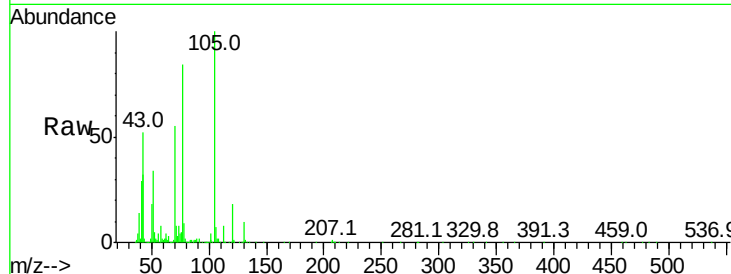
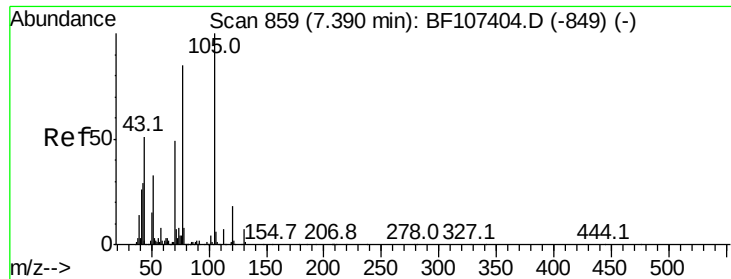
Sohil
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#18
Hexachloroethane
Concen: 28.198 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.7	75.8	113.8	
201	126.6	75.7	113.5#	





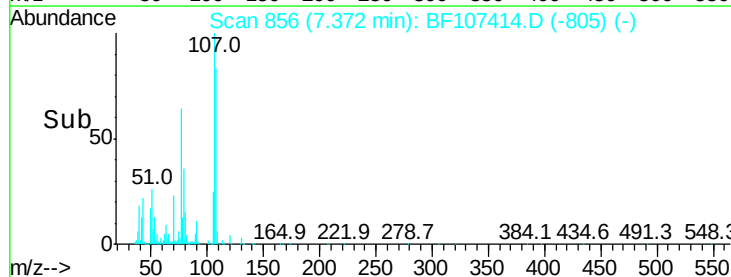
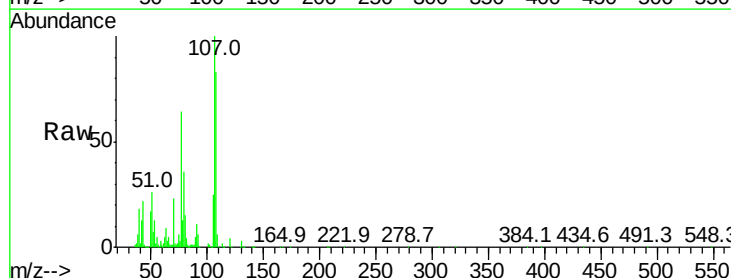
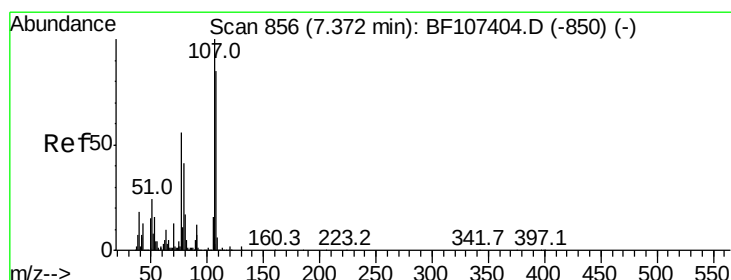
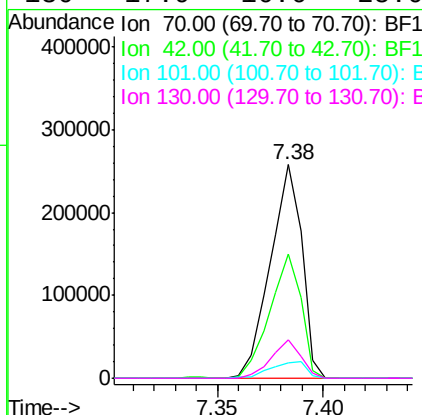
#19
n-Nitroso-di-n-propylamine
Concen: 29.072 ng
RT: 7.38 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

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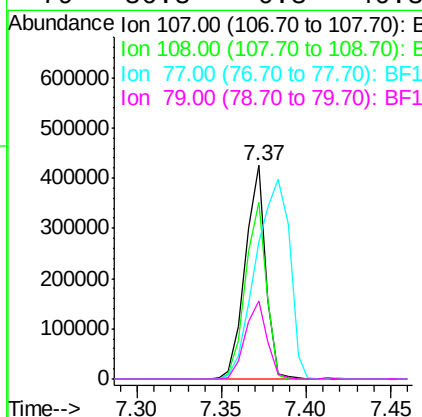
Sohil
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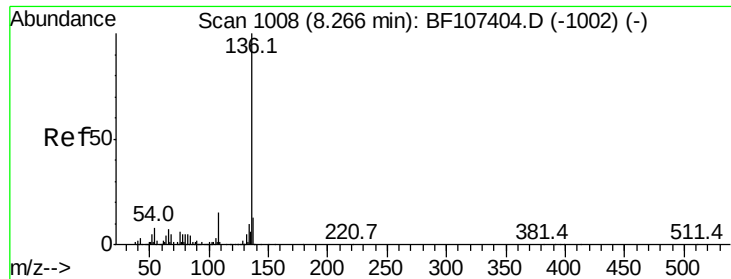
Tot Ion	Ratio	Lower	Upper
70	100		
42	58.4	47.5	71.3
101	7.0	7.4	11.2#
130	17.9	16.6	25.0



#20
3+4-Methylphenols
Concen: 29.611 ng
RT: 7.37 min Scan# 856
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
107	100		
108	82.5	68.2	108.2
77	64.1	26.7	66.7
79	36.3	6.3	46.3





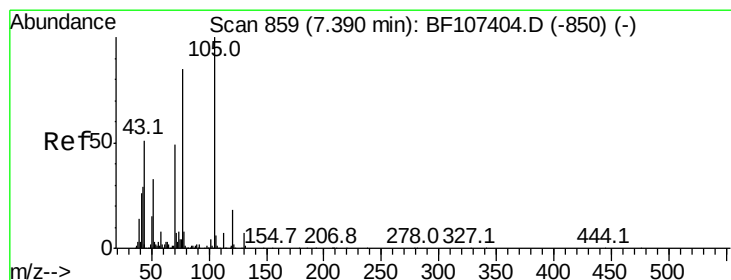
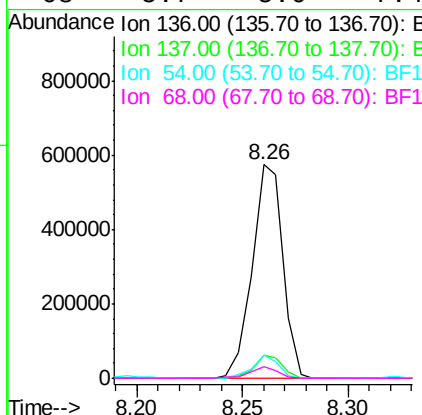
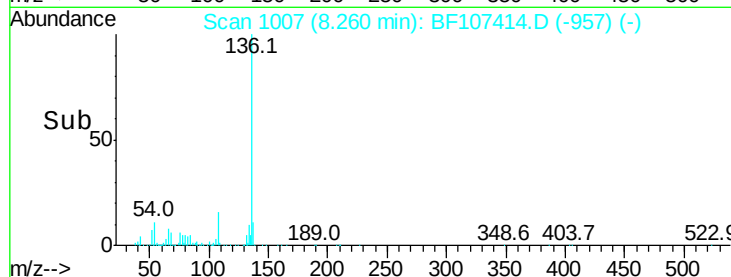
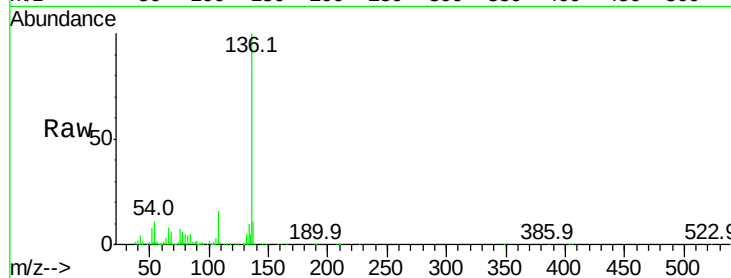
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	578719		
137	10.9		8.9	13.3
54	10.8		6.6	9.8#
68	5.7		5.0	7.4

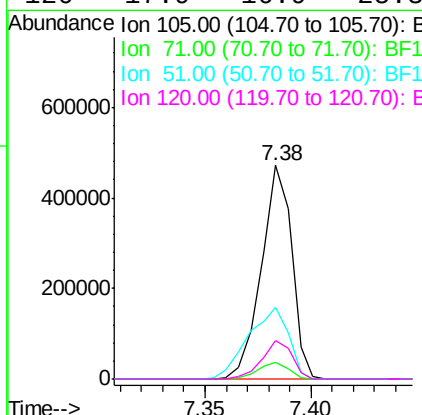
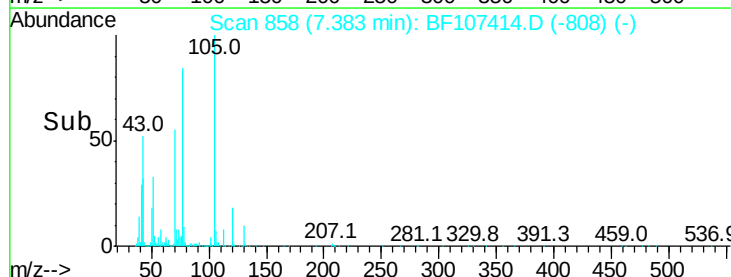
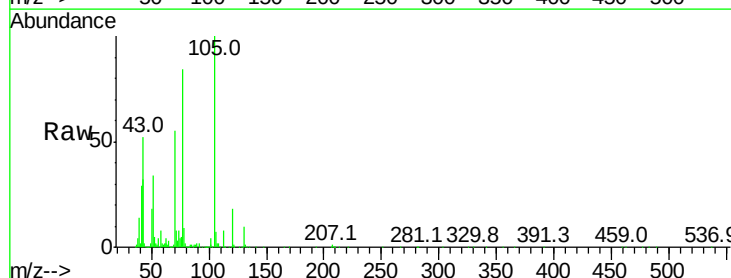
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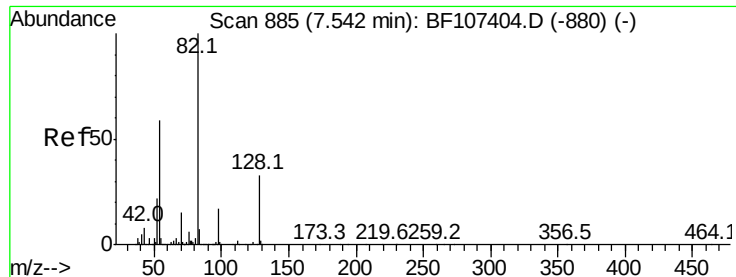
Sohil
7/17/2018 4:53:03 PM



#22
Acetophenone
Concen: 29.820 ng
RT: 7.38 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	474160		
71	7.9		4.4	6.6#
51	33.5		22.3	33.5#
120	17.9		16.9	25.3





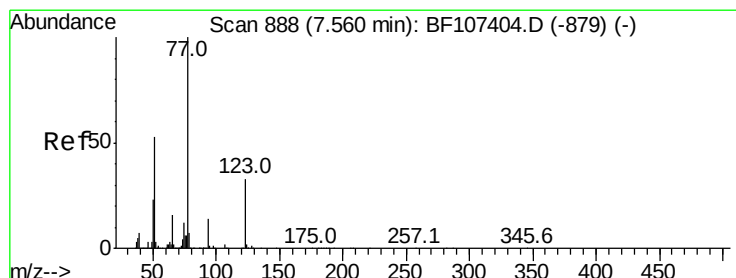
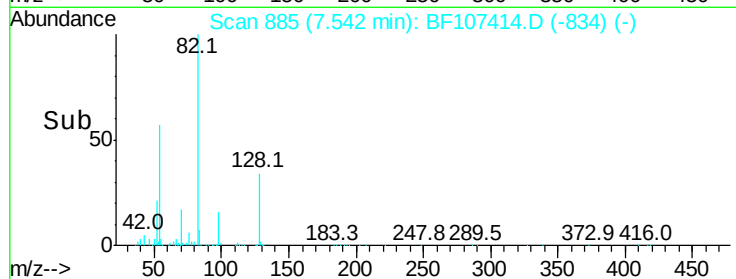
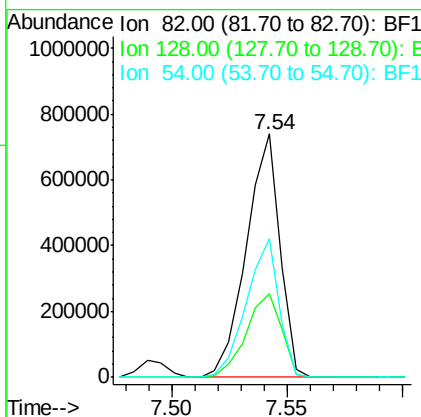
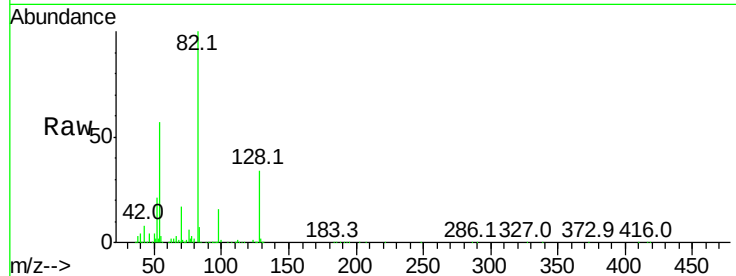
#23
 Nitrobenzene-d5
 Concen: 69.245 ng
 RT: 7.54 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.4	36.1	54.1#
54	56.7	41.4	62.2

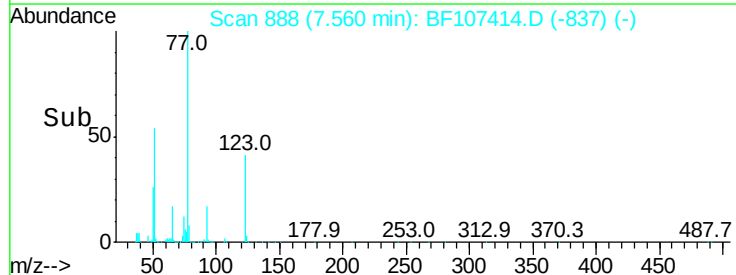
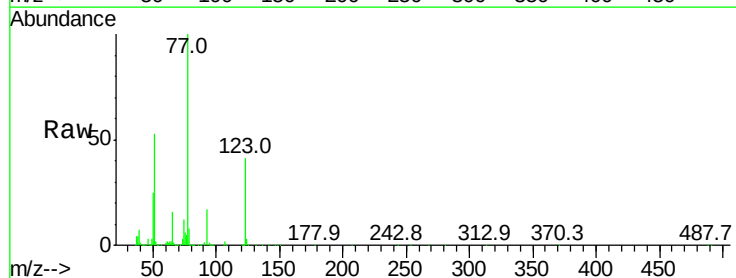
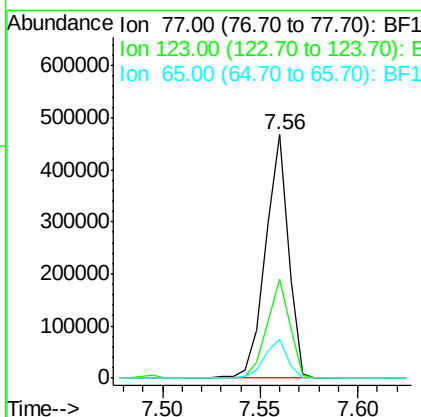
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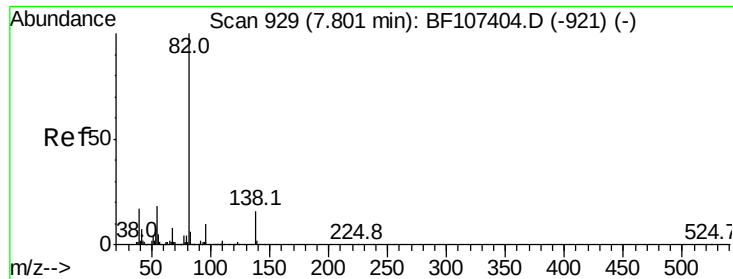
Sohil
 7/17/2018 4:53:03 PM



#24
 Nitrobenzene
 Concen: 31.181 ng
 RT: 7.56 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.6	37.9	56.9
65	16.0	11.0	16.4





#25

Isophorone

Concen: 32.607 ng

RT: 7.80 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

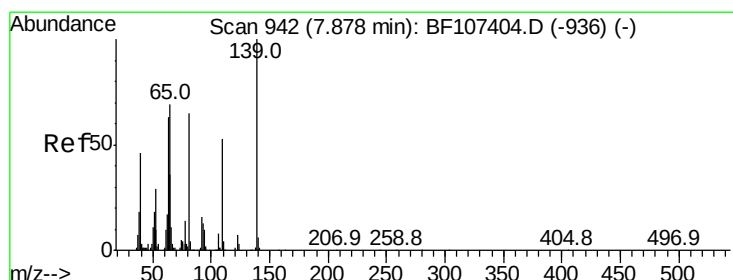
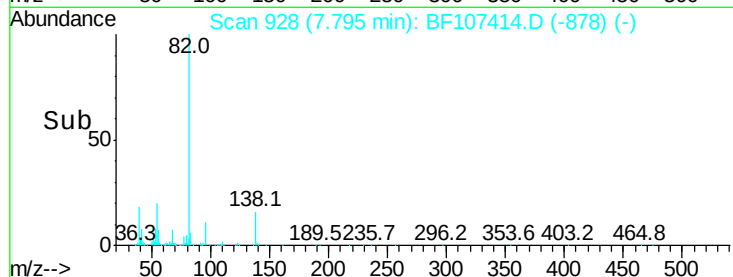
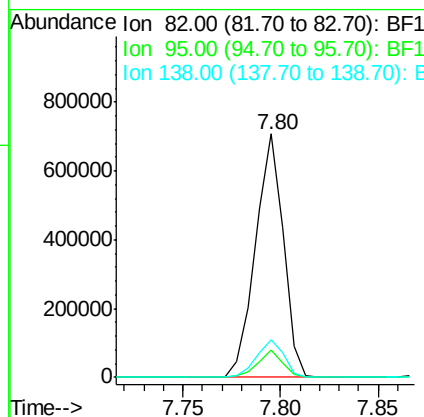
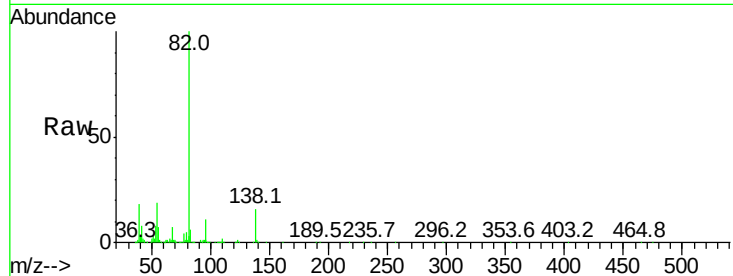
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	82	Resp:	701420
Ion Ratio	Lower	Upper	
82	100		
95	11.0	5.2	7.8#
138	15.7	14.9	22.3

Manual Integrations
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7/17/2018 4:53:03 PM



#26

2-Nitrophenol

Concen: 36.298 ng

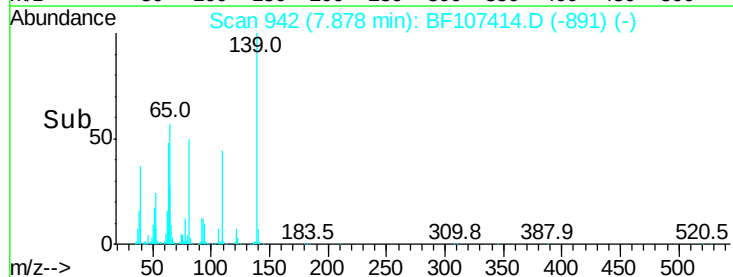
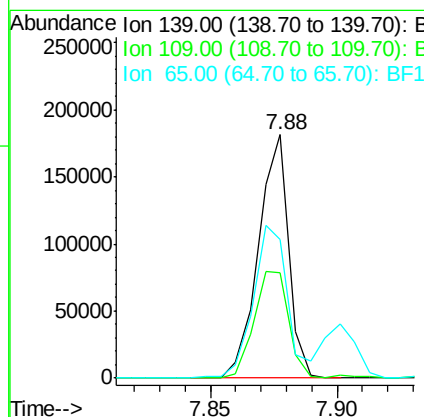
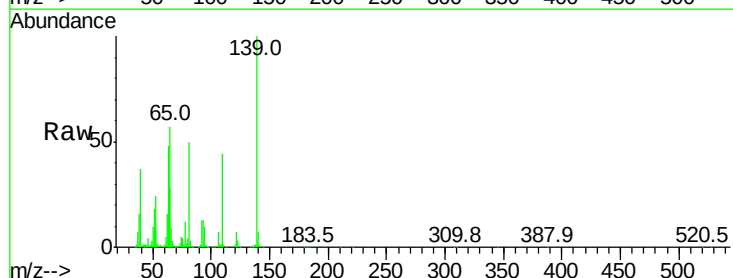
RT: 7.88 min Scan# 942

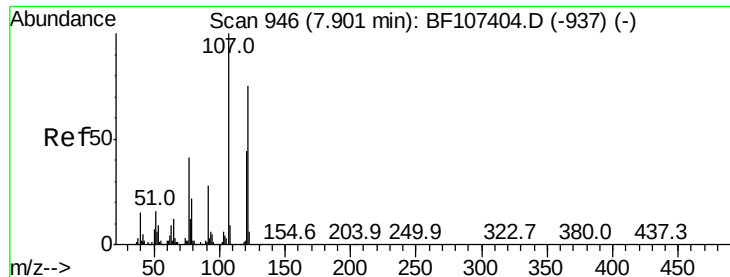
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	139	Resp:	150491
Ion Ratio	Lower	Upper	
139	100		
109	43.5	22.7	34.1#
65	57.2	40.5	60.7





#27

2,4-Dimethylphenol

Concen: 31.929 ng

RT: 7.90 min Scan# 946

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

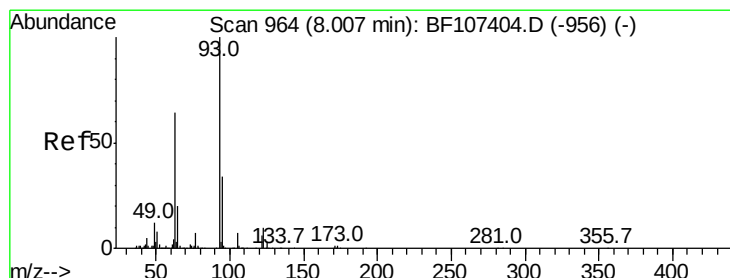
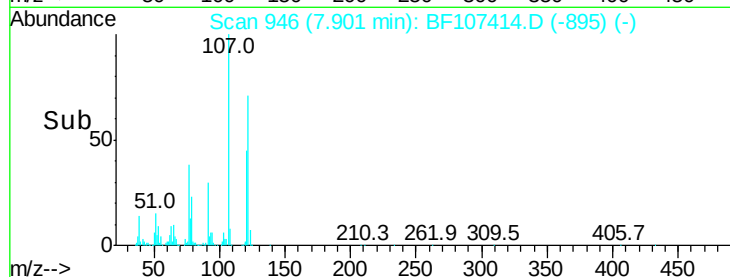
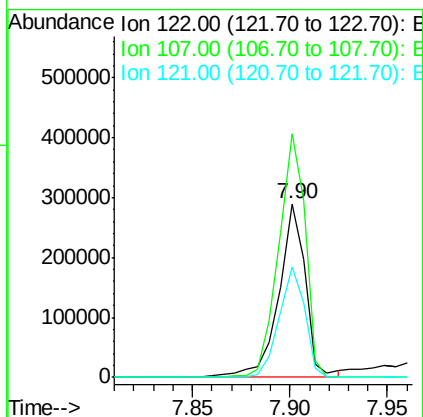
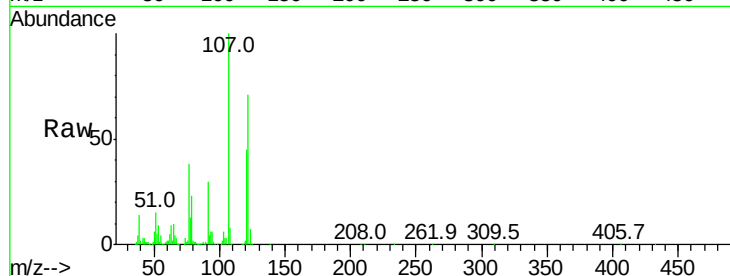
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	122	Resp:	276044
Ion Ratio	Lower	Upper	
122	100		
107	140.2	91.2	136.8#
121	63.5	47.2	70.8

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#28

bis(2-Chloroethoxy)methane

Concen: 30.895 ng

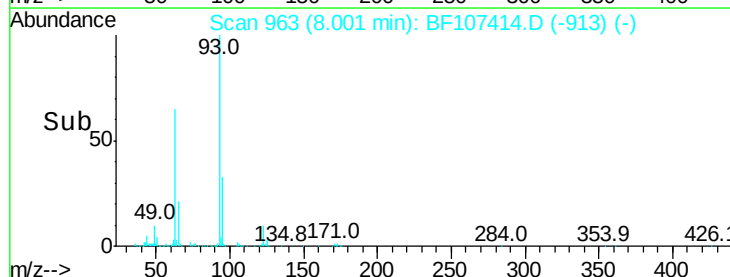
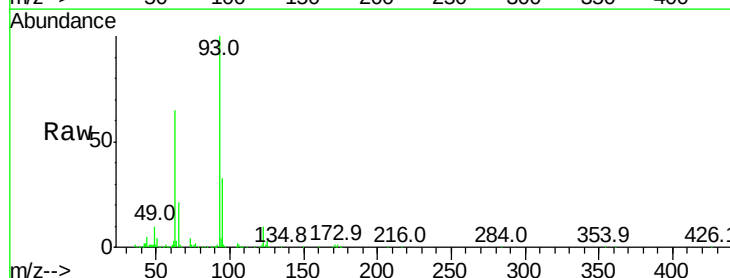
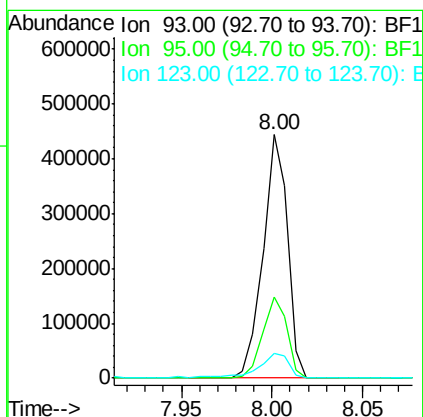
RT: 8.00 min Scan# 963

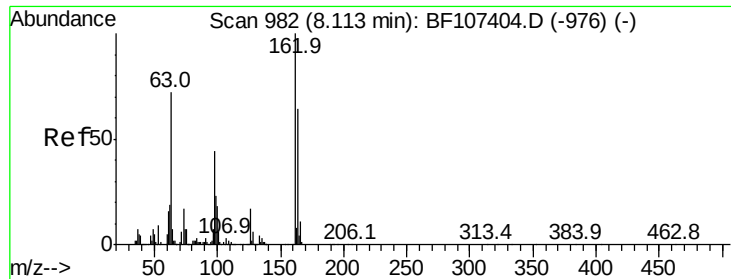
Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	93	Resp:	416223
Ion Ratio	Lower	Upper	
93	100		
95	33.4	26.3	39.5
123	10.2	9.8	14.6





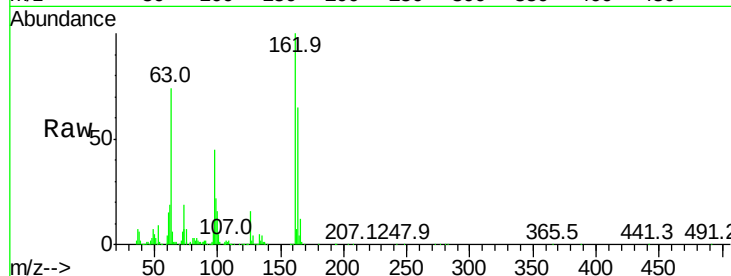
#29
 2,4-Dichlorophenol
 Concen: 30.165 ng
 RT: 8.11 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

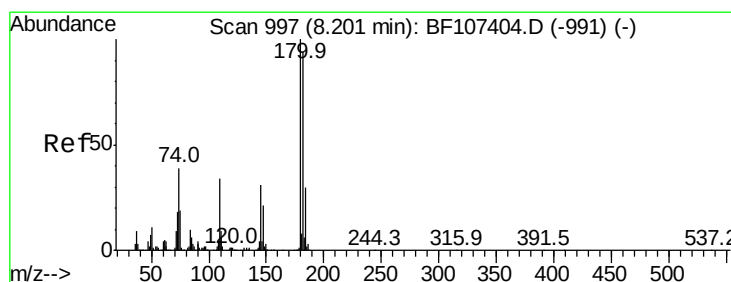
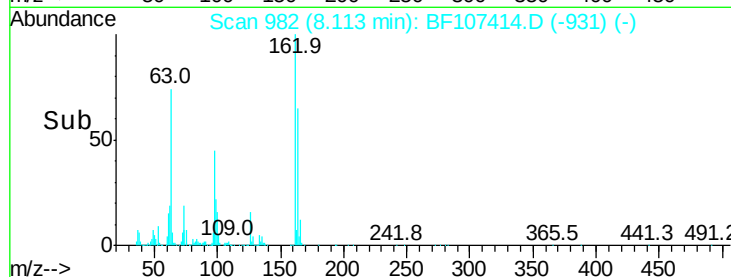
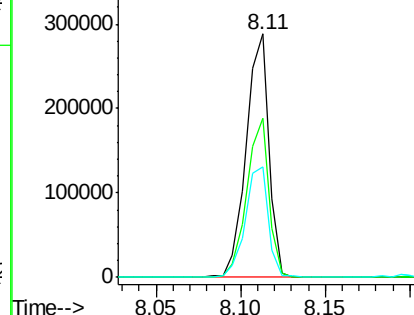
Tot Ion	Ratio	Resp	Lower	Upper
162	100	271388		
164	65.2		42.7	82.7
98	45.3		18.1	58.1

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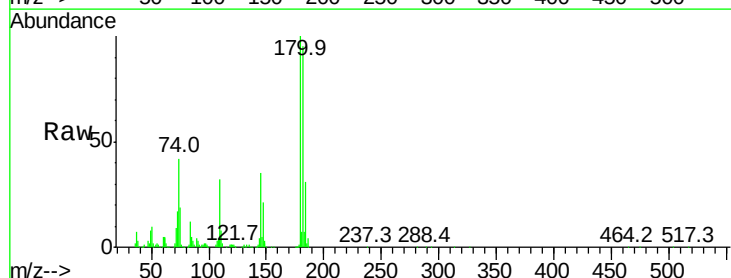


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

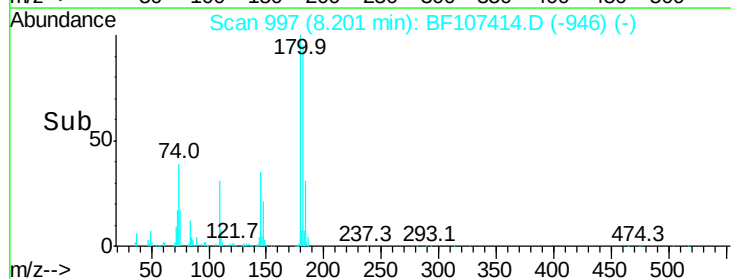
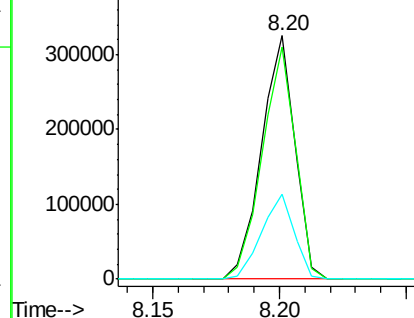


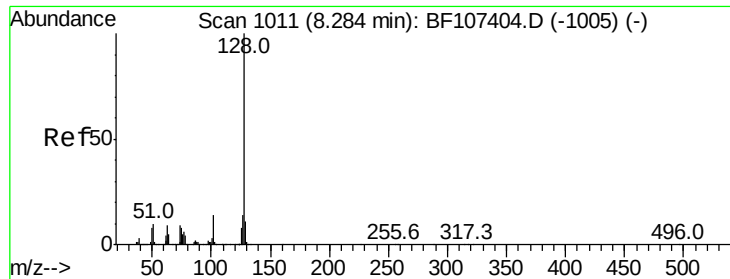
#30
 1,2,4-Trichlorobenzene
 Concen: 27.523 ng
 RT: 8.20 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	299847		
182	95.2		76.8	115.2
145	35.0		26.5	39.7



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





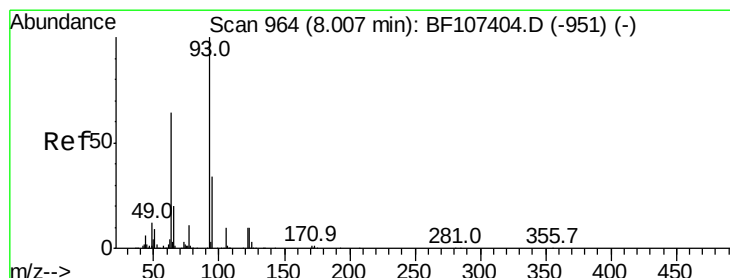
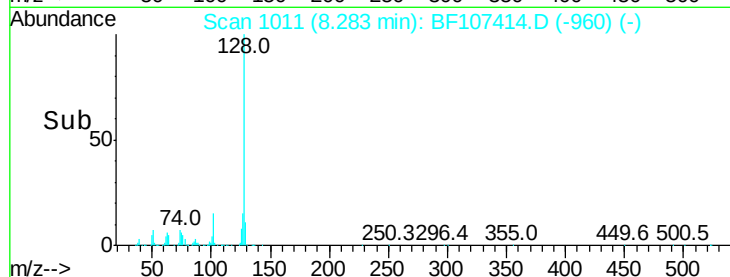
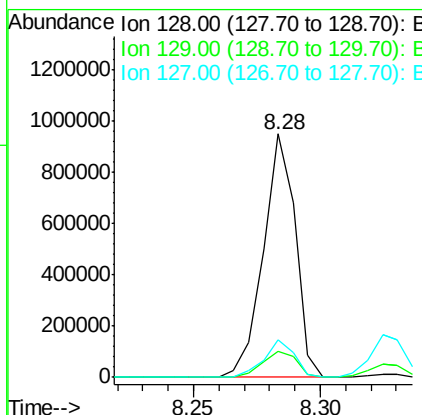
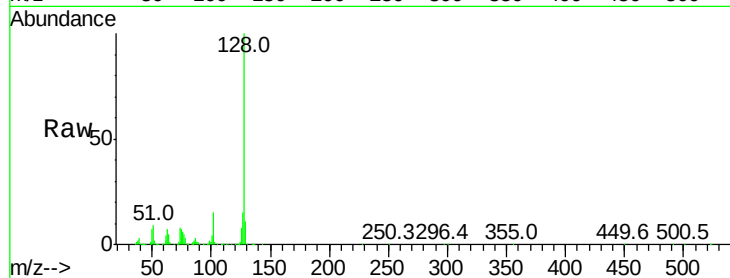
#31
Naphthalene
Concen: 29.971 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	8.8	13.2	
127	15.4	10.9	16.3	

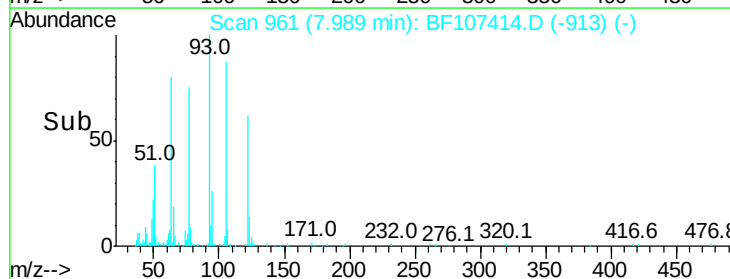
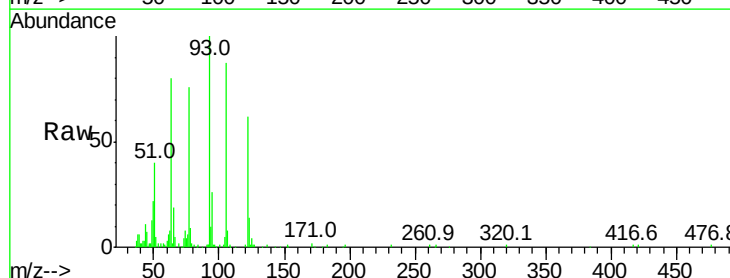
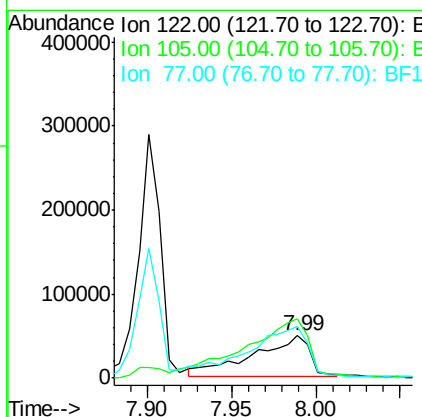
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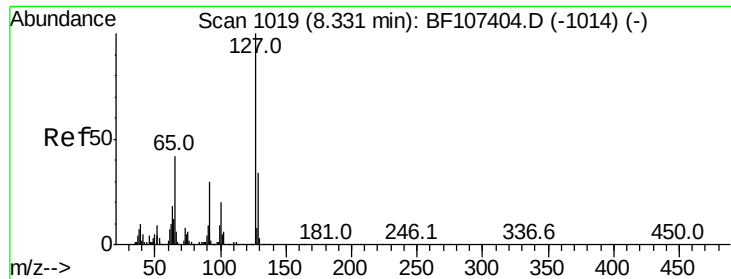
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#32
Benzoic acid
Concen: 21.701 ng m
RT: 7.99 min Scan# 961
Delta R.T. -0.02 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	139.8	101.1	141.1	
77	122.3	70.7	110.7	





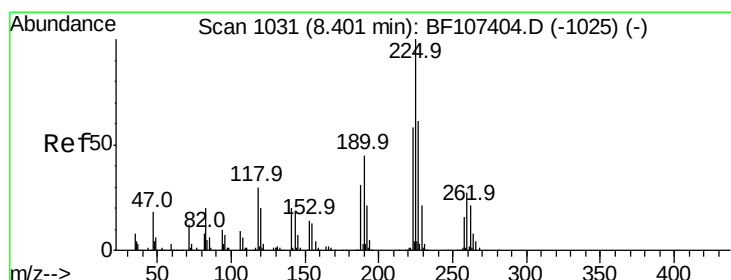
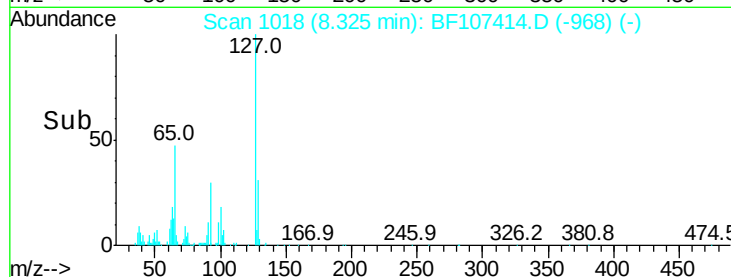
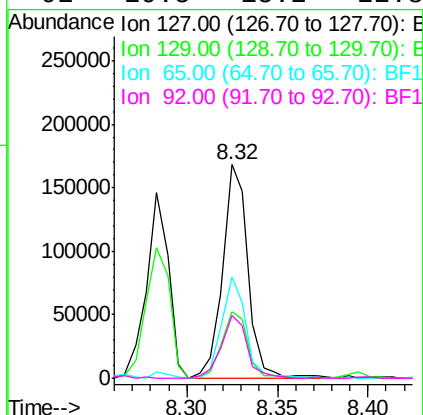
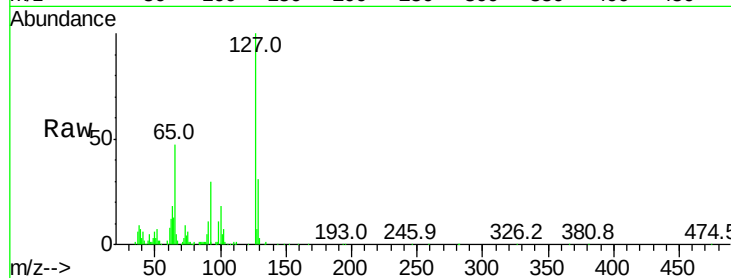
#33
4-Chloroaniline
Concen: 13.355 ng
RT: 8.32 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.3	25.9	38.9	
65	47.3	25.0	37.4	
92	29.5	15.2	22.8	

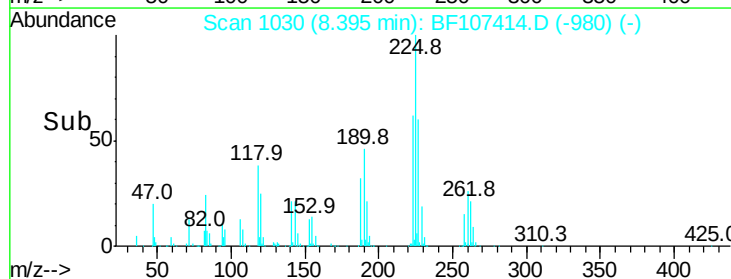
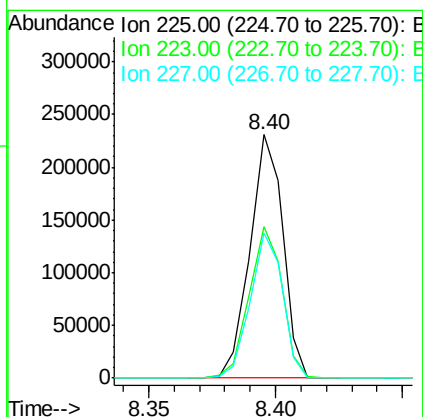
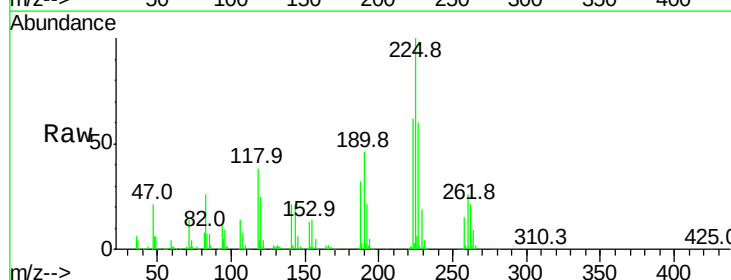
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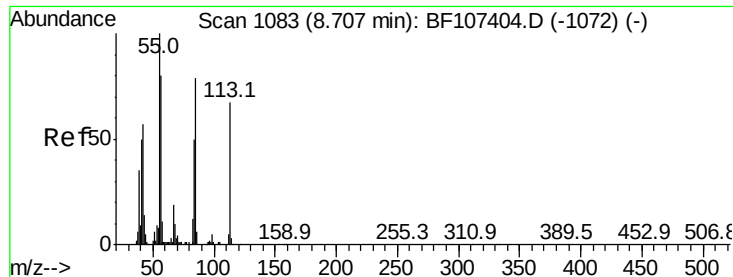
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#34
Hexachlorobutadiene
Concen: 28.708 ng
RT: 8.40 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	50.6	76.0	
227	59.5	51.9	77.9	





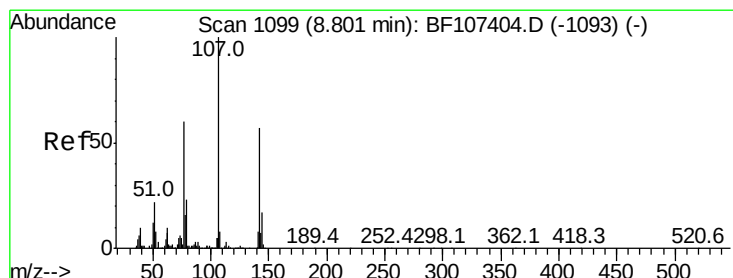
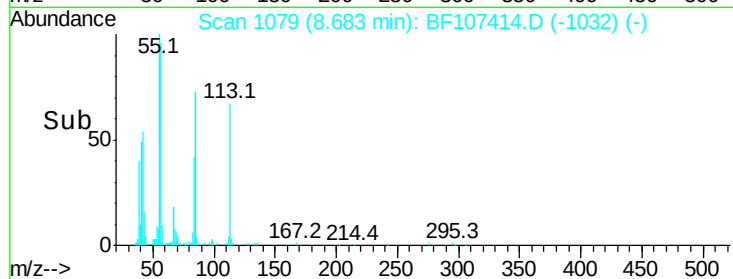
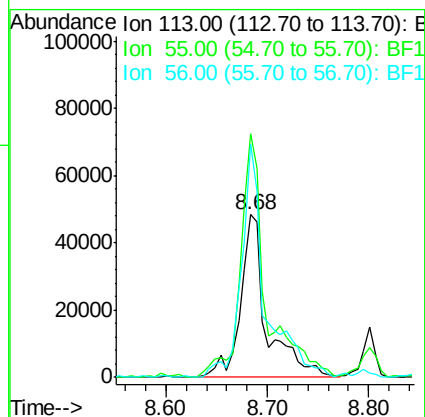
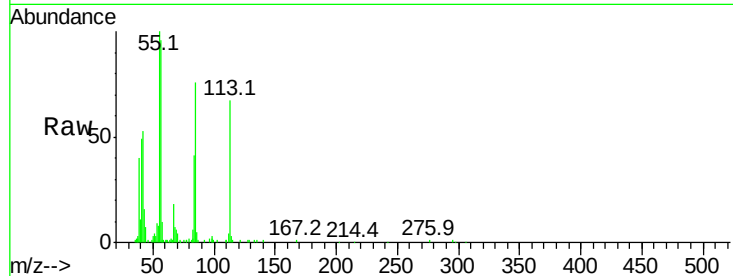
#35
 Caprolactam
 Concen: 29.727 ng
 RT: 8.68 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		86998		
55	149.8	163.3	203.3#		
56	143.4	115.7	155.7		

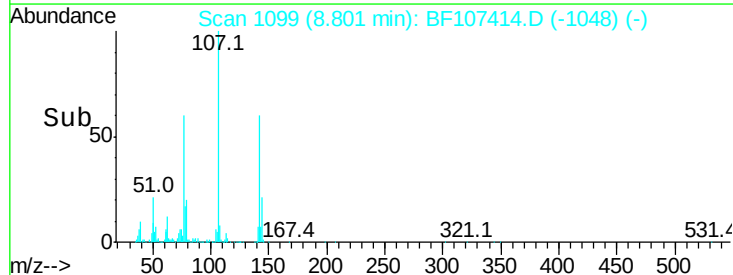
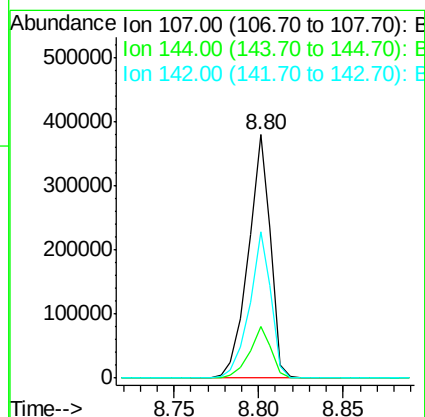
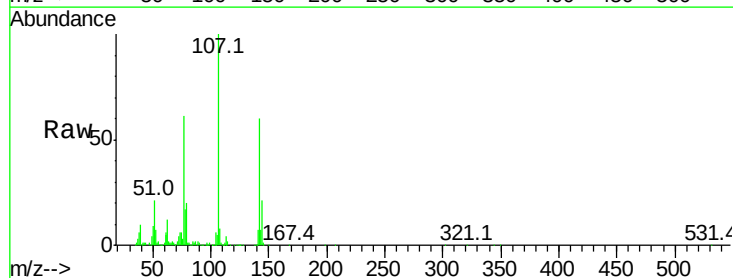
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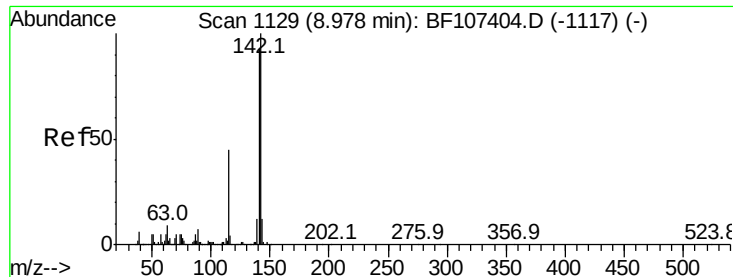
Sohil
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#36
 4-Chloro-3-methylphenol
 Concen: 29.627 ng
 RT: 8.80 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		348286		
144	20.9	20.5	30.7		
142	60.3	62.0	93.0#		





#37

2-Methylnaphthalene

Concen: 30.837 ng

RT: 8.98 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

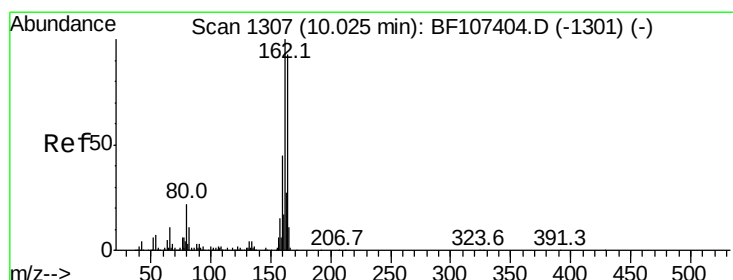
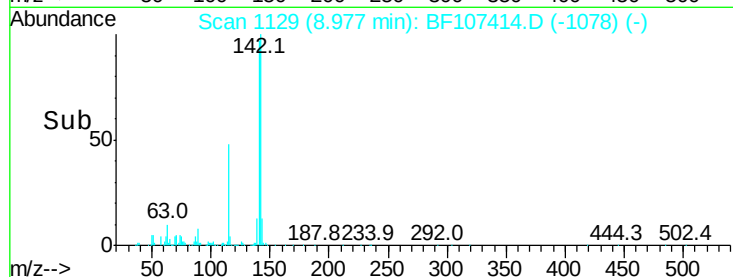
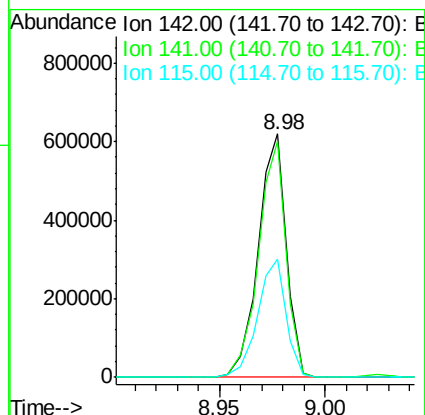
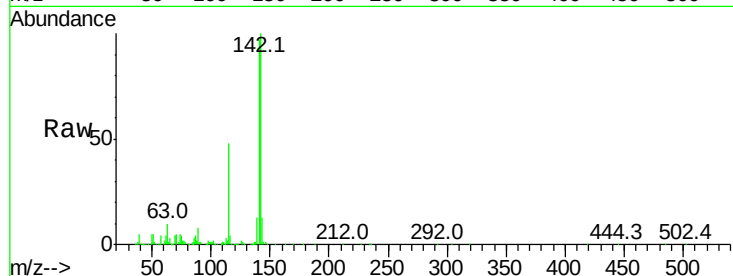
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	142	Resp:	571385
Ion Ratio	Lower	Upper	
142	100		
141	97.1	70.8	106.2
115	48.3	26.1	39.1#

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#38

Acenaphthene-d10

Concen: 20.000 ng

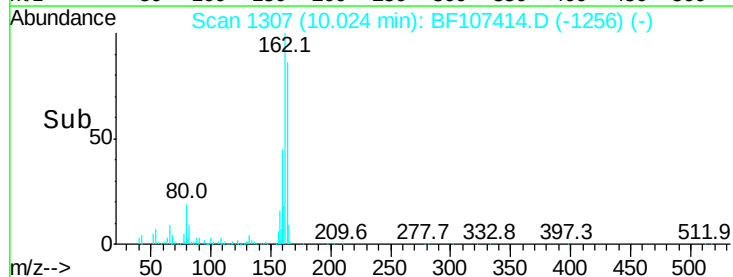
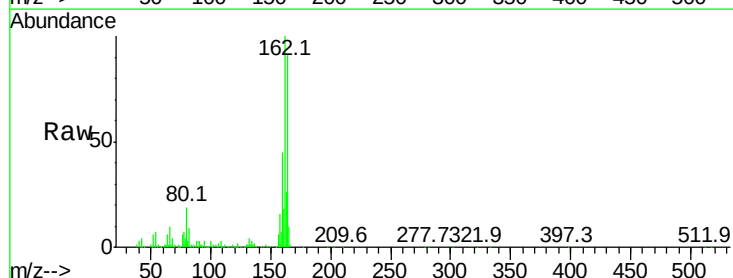
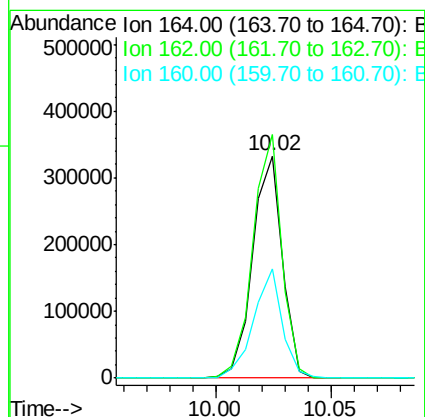
RT: 10.02 min Scan# 1307

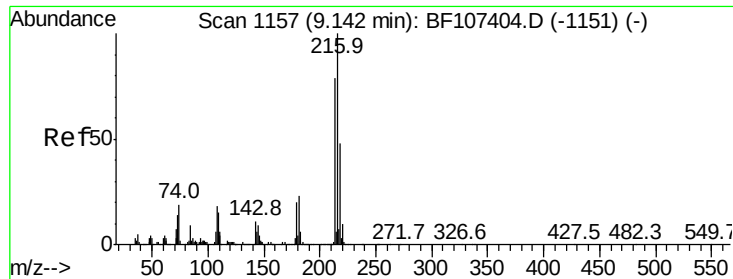
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	164	Resp:	301275
Ion Ratio	Lower	Upper	
164	100		
162	109.7	86.1	129.1
160	49.1	38.3	57.5





#39

1,2,4,5-Tetrachlorobenzene

Concen: 29.363 ng

RT: 9.14 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

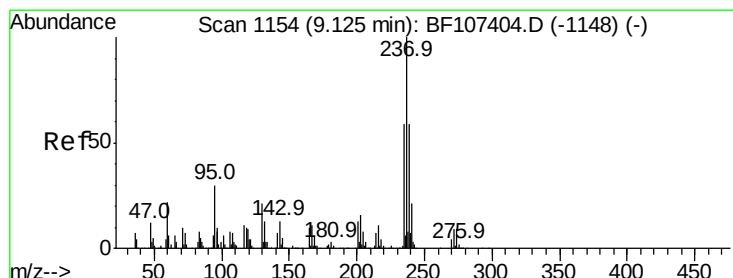
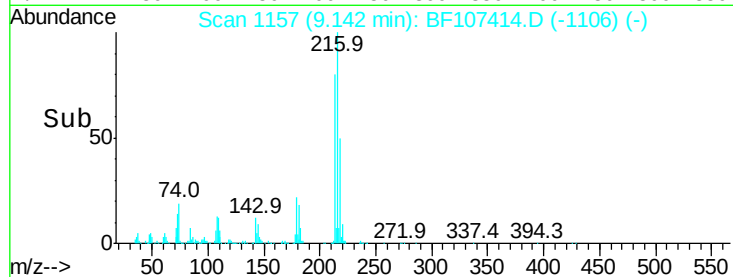
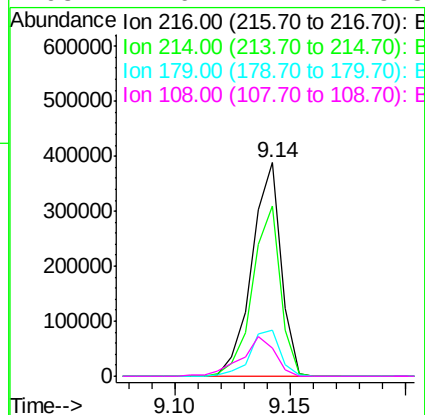
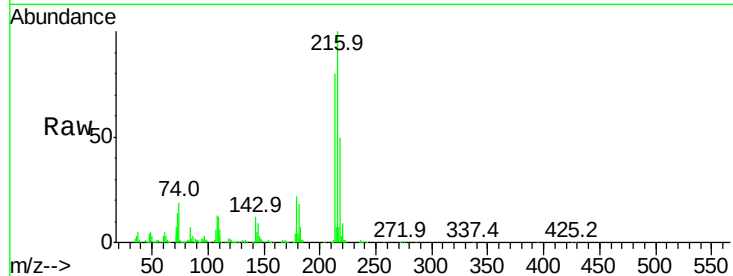
ClientSampleId :

FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
216	100	344244		
214	76.5	63.0	94.4	
179	22.2	18.1	27.1	
108	21.6	17.2	25.8	

Manual Integrations
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#40

Hexachlorocyclopentadiene

Concen: 56.044 ng

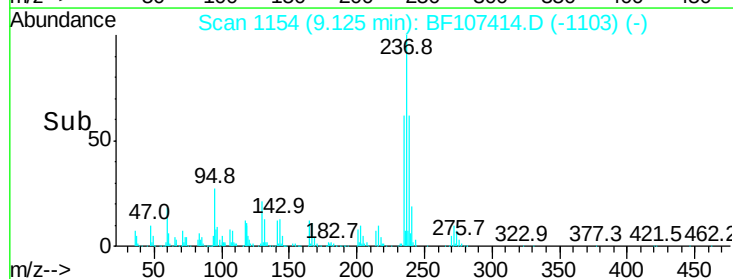
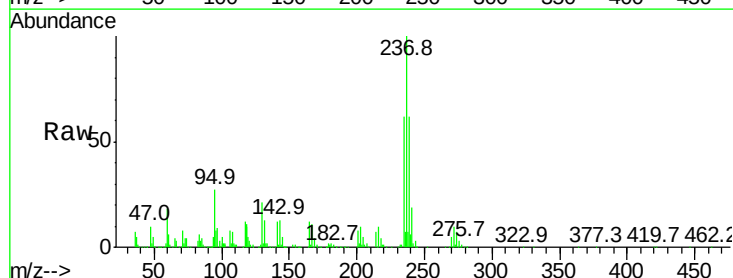
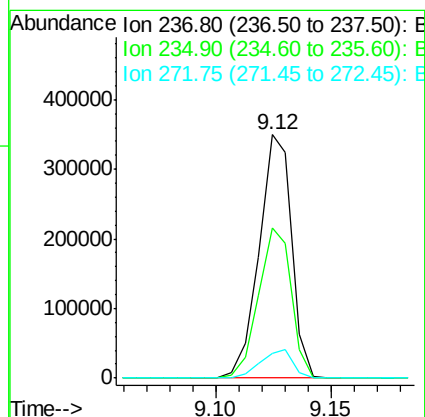
RT: 9.12 min Scan# 1154

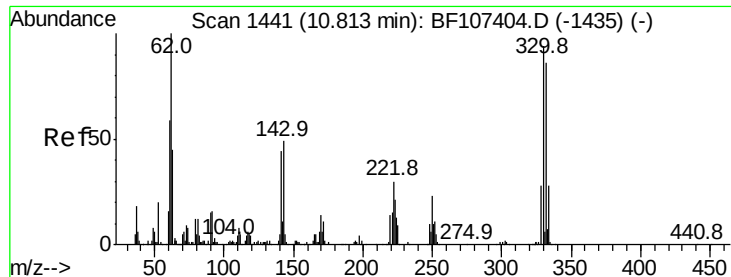
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	343176		
235	61.9	44.8	84.8	
272	9.9	0.0	33.3	





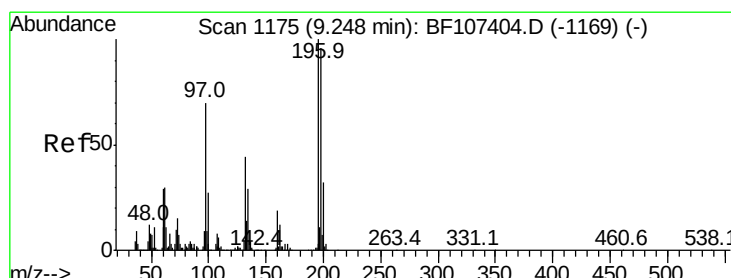
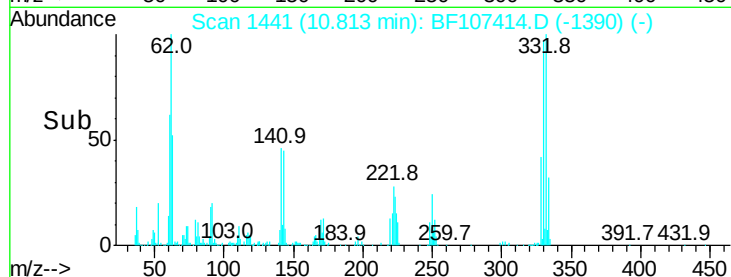
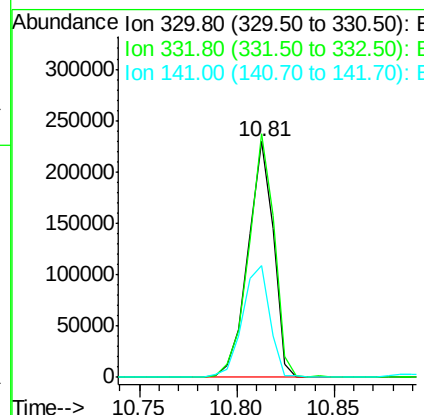
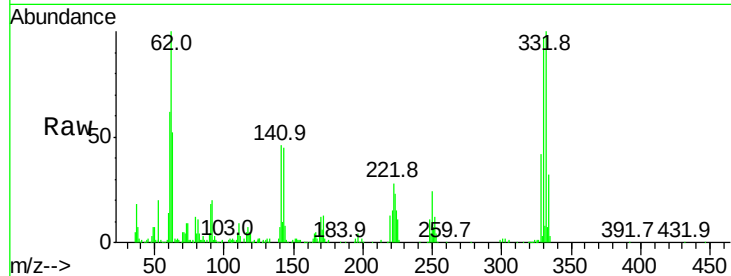
#41
 2,4,6-Tribromophenol
 Concen: 78.572 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.5	77.0	115.6
141	51.4	29.9	44.9#

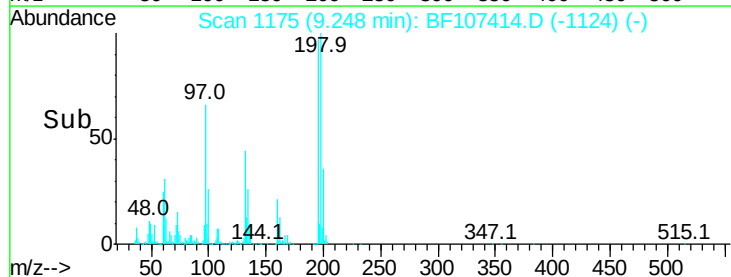
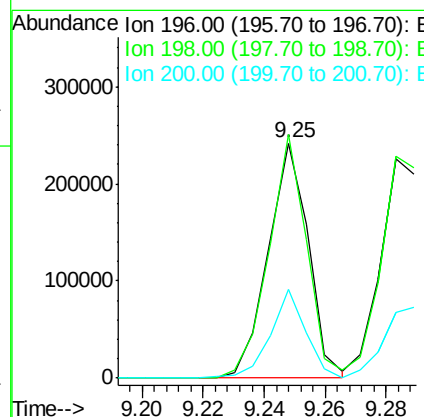
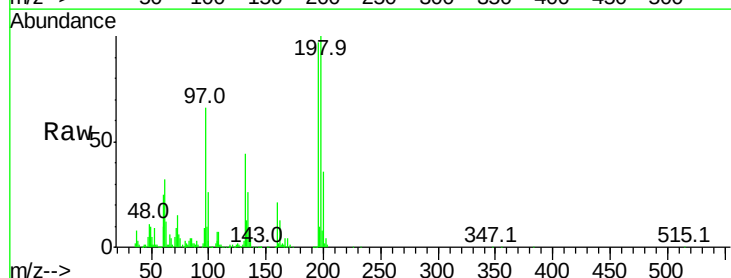
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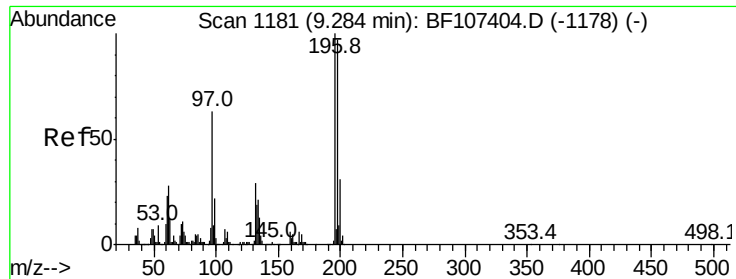
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#42
 2,4,6-Trichlorophenol
 Concen: 30.300 ng m
 RT: 9.25 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
196	100		
198	103.6	75.7	113.5
200	37.8	24.5	36.7#





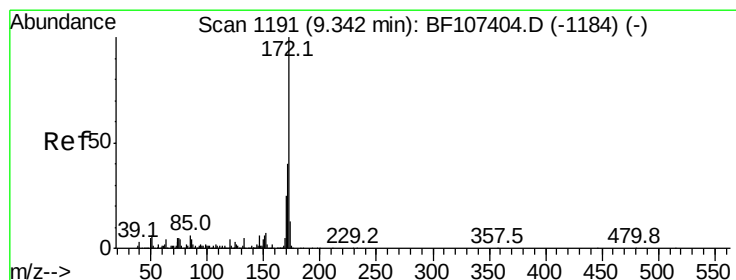
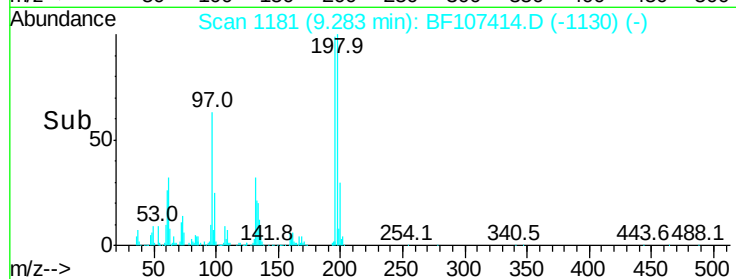
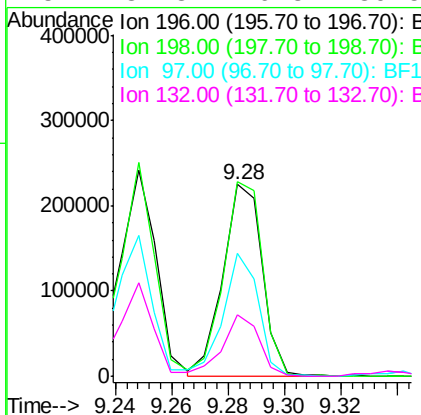
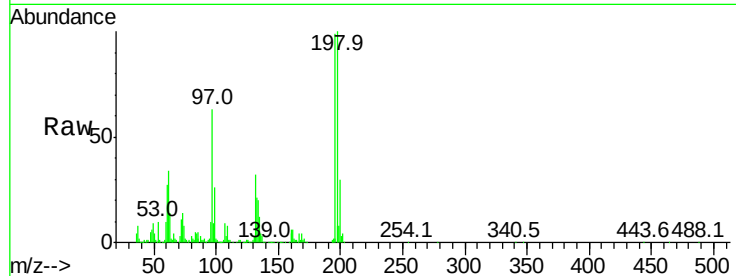
#43
2,4,5-Trichlorophenol
Concen: 31.170 ng
RT: 9.28 min Scan# 1181
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	218222		
198	101.2	74.6	112.0	
97	64.0	42.9	64.3	
132	32.3	26.3	39.5	

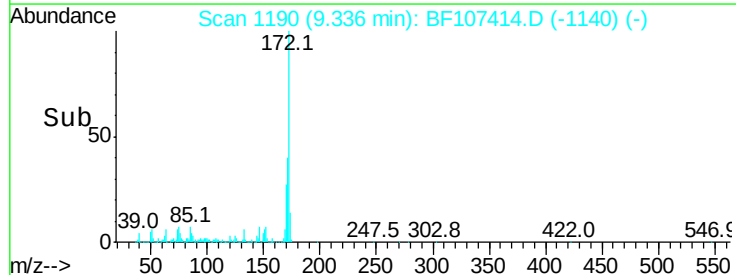
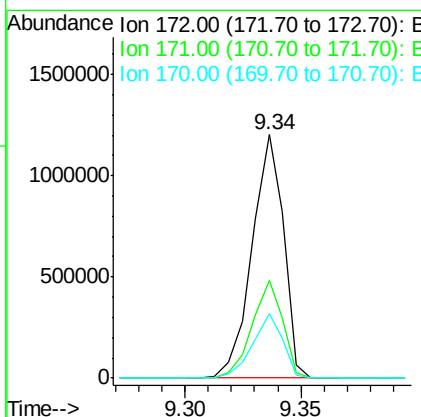
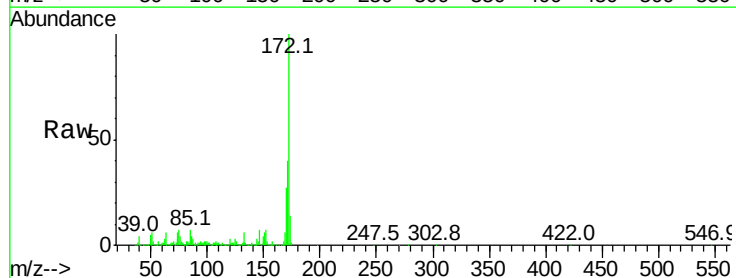
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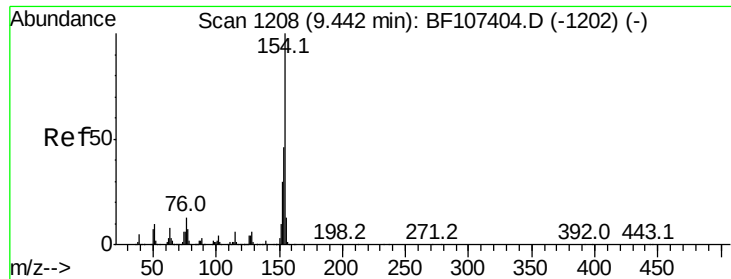
Sohil
7/17/2018 4:53:03 PM



#44
2-Fluorobiphenyl
Concen: 60.414 ng
RT: 9.34 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1148279		
171	40.1	29.7	44.5	
170	26.5	19.6	29.4	





#45

1,1'-Biphenyl

Concen: 28.019 ng

RT: 9.44 min Scan# 1208

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

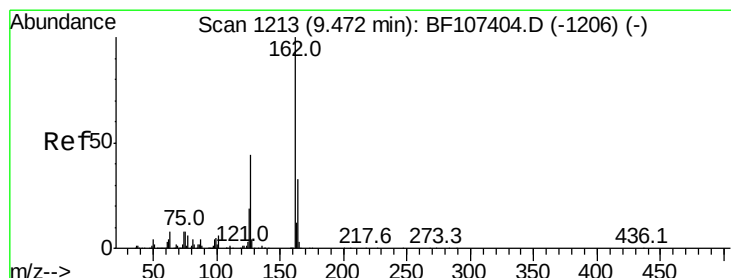
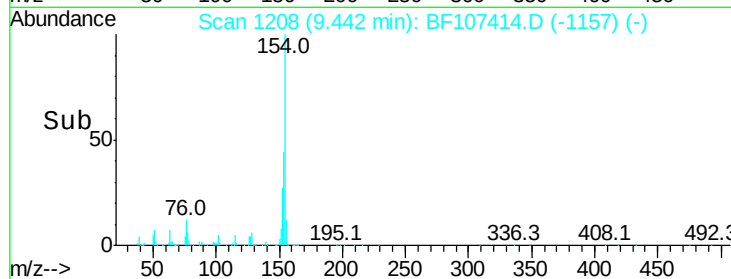
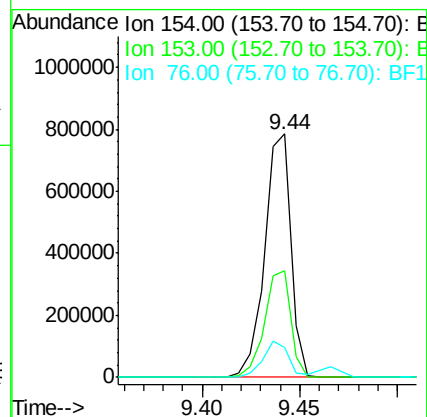
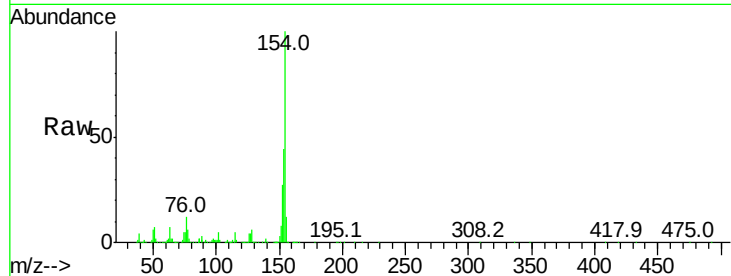
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	154	Resp:	729845
Ion Ratio	Lower	Upper	
154	100		
153	43.9	21.3	61.3
76	12.3	0.0	34.0

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7/17/2018 4:53:03 PM



#46

2-Chloronaphthalene

Concen: 28.586 ng

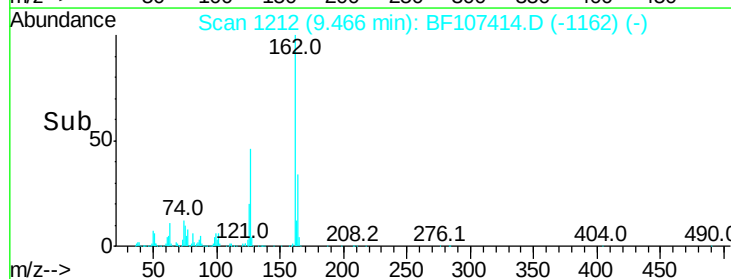
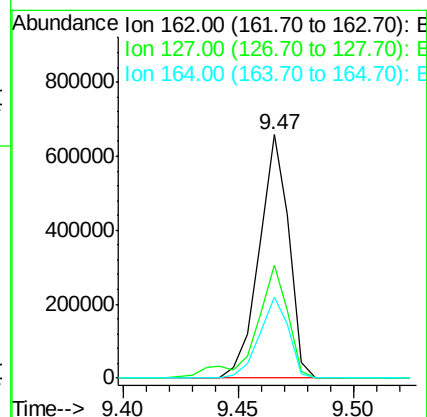
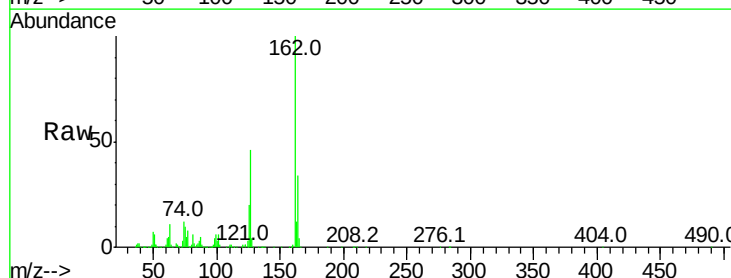
RT: 9.47 min Scan# 1212

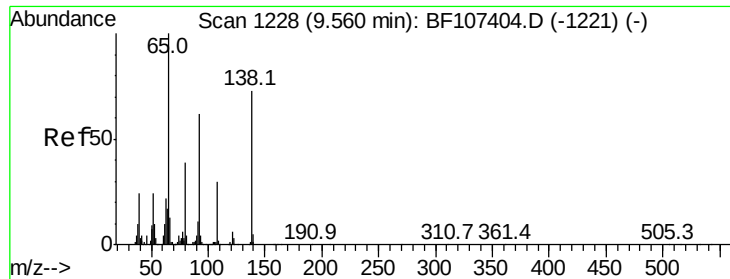
Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	162	Resp:	588100
Ion Ratio	Lower	Upper	
162	100		
127	46.2	33.9	50.9
164	33.5	26.5	39.7





#47

2-Nitroaniline

Concen: 32.370 ng

RT: 9.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD

Tot Ion: 65 Resp: 203798

Ion Ratio Lower Upper

65 100

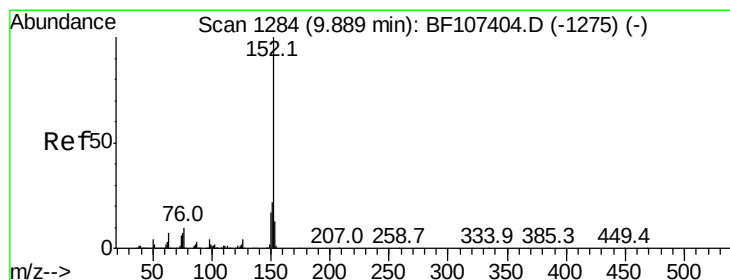
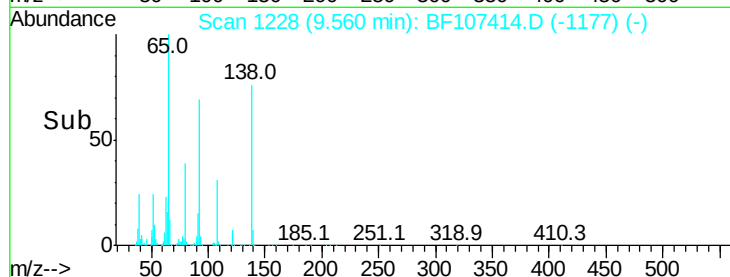
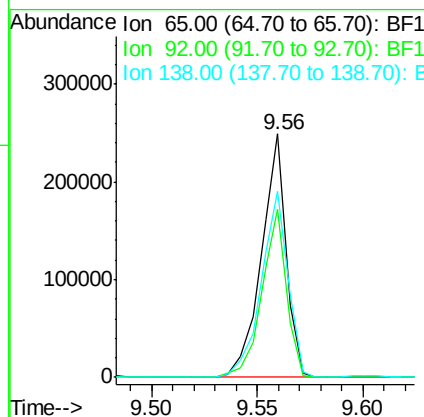
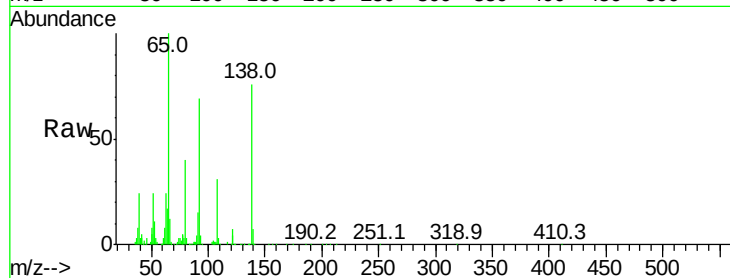
92 69.2 55.8 83.6

138 76.3 91.2 136.8#

Manual Integrations
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Sohil

7/17/2018 4:53:03 PM



#48

Acenaphthylene

Concen: 30.420 ng

RT: 9.88 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

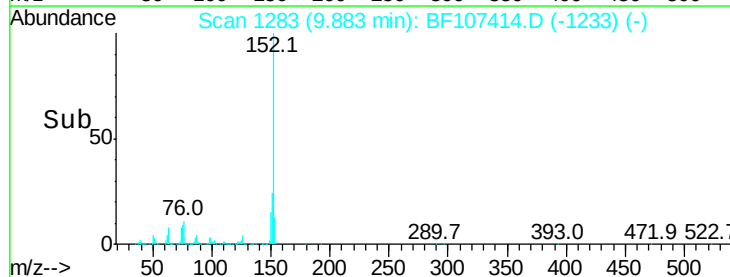
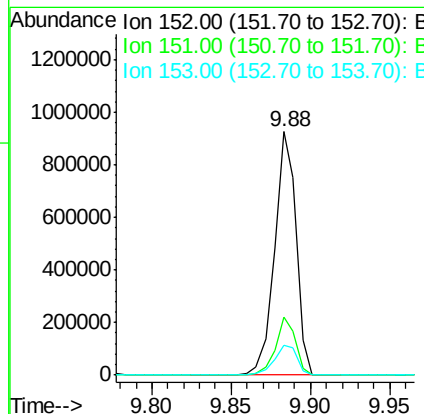
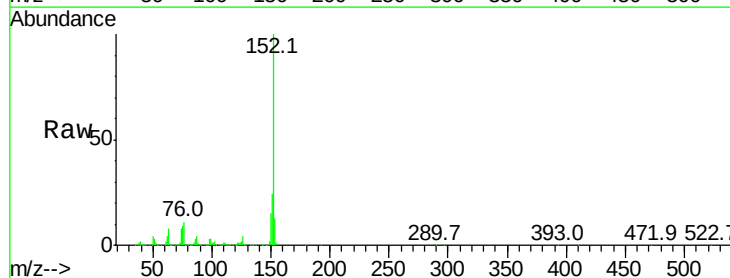
Tgt Ion: 152 Resp: 873381

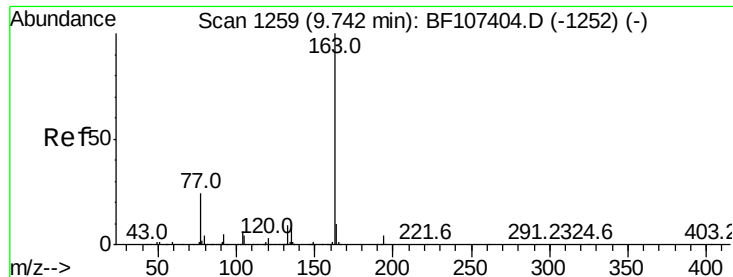
Ion Ratio Lower Upper

152 100

151 23.6 16.3 24.5

153 12.5 10.7 16.1





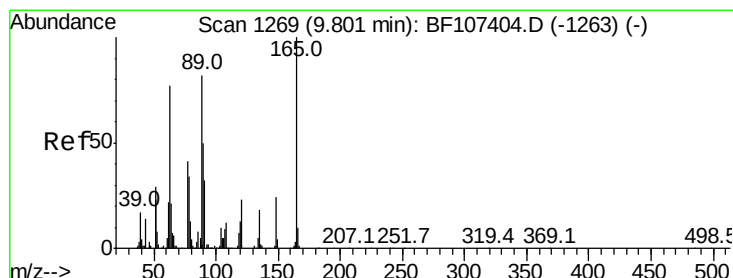
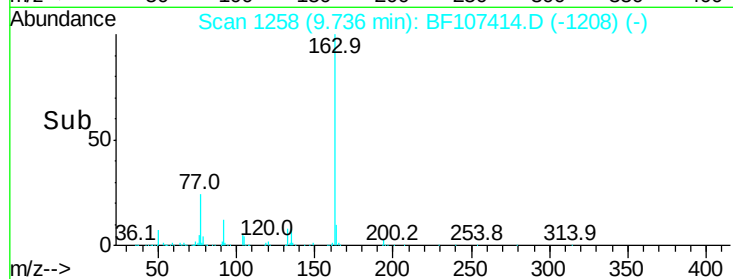
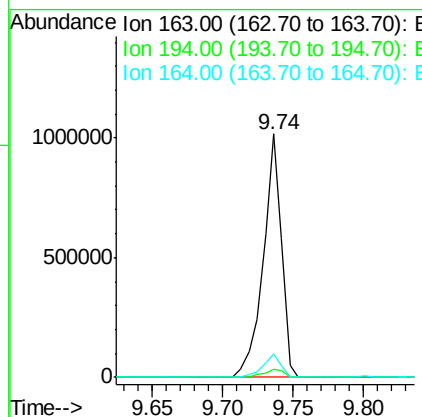
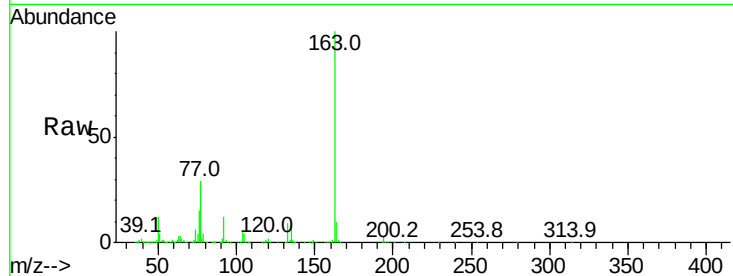
#49
Dimethylphthalate
Concen: 39.005 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	9.8	8.2	12.2	

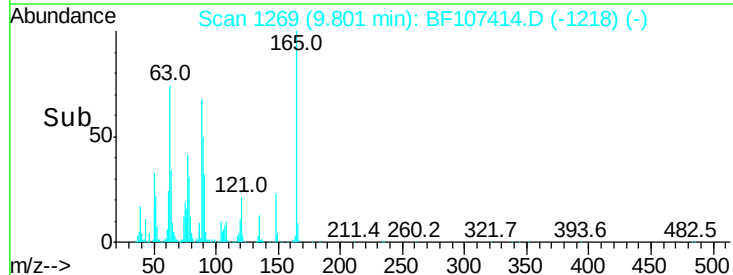
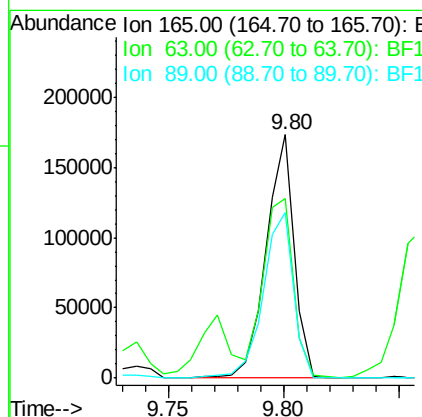
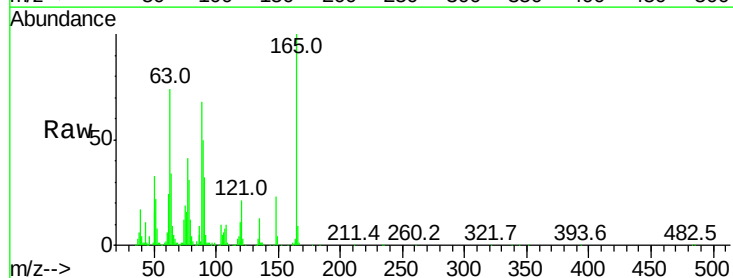
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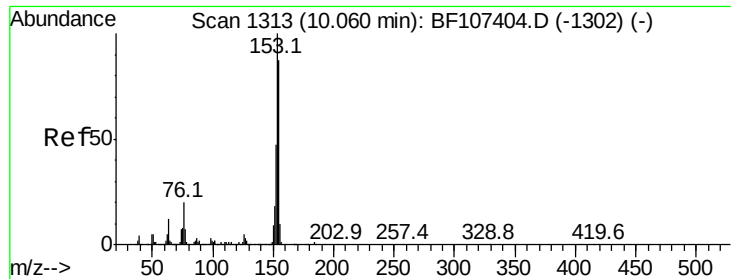
Sohil
7/17/2018 4:53:03 PM



#50
2,6-Dinitrotoluene
Concen: 32.010 ng
RT: 9.80 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	73.9	44.7	67.1#	
89	67.9	44.0	66.0#	





#51

Acenaphthene

Concen: 32.773 ng

RT: 10.05 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

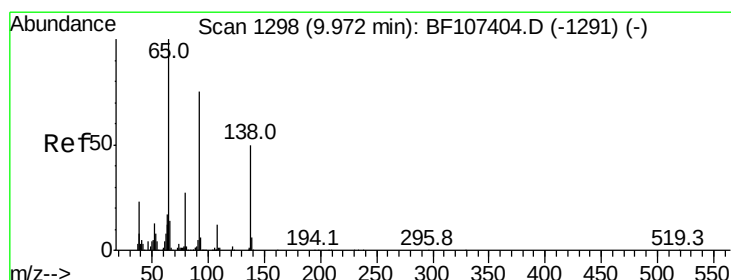
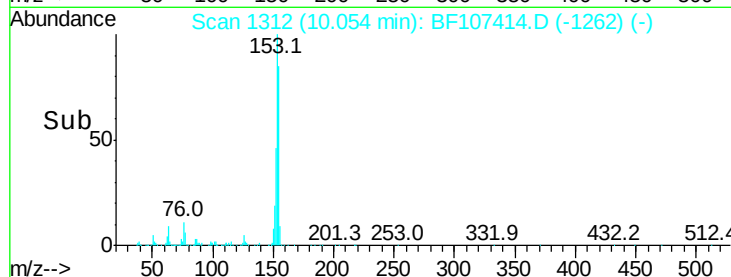
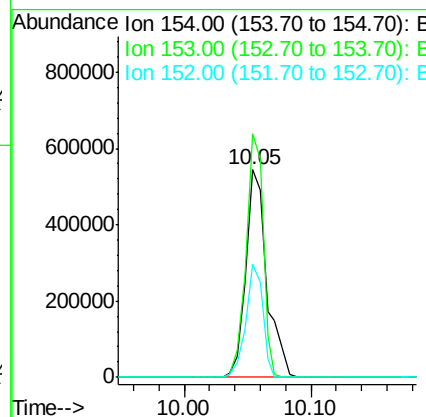
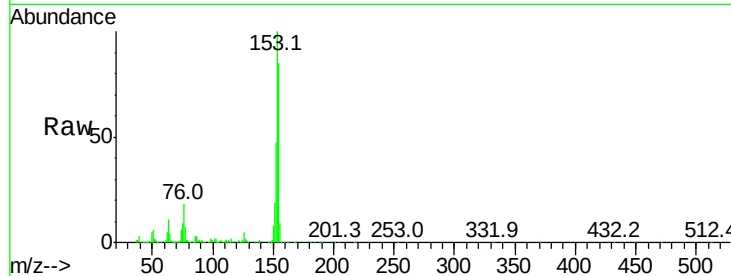
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	154	Resp:	623767
Ion Ratio	Lower	Upper	
154	100		
153	117.5	91.2	136.8
152	54.7	43.8	65.8

Manual Integrations
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#52

3-Nitroaniline

Concen: 21.059 ng

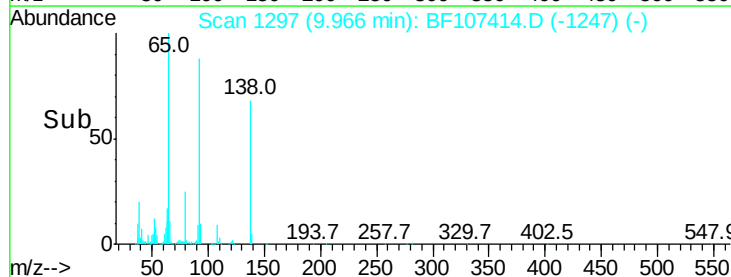
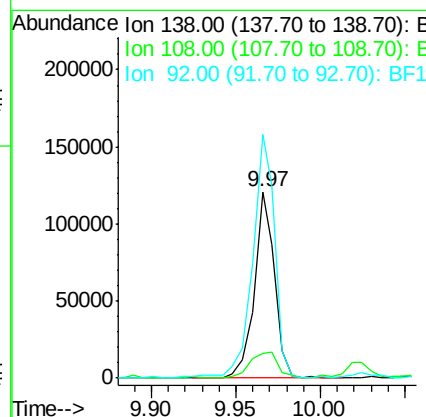
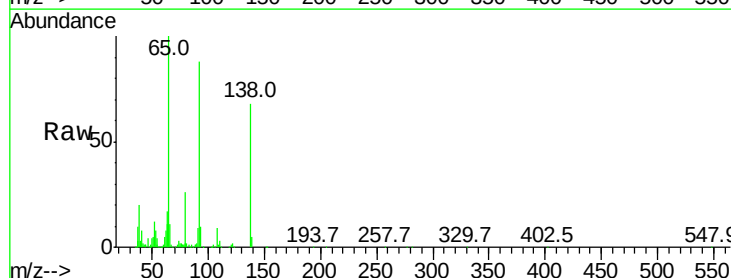
RT: 9.97 min Scan# 1297

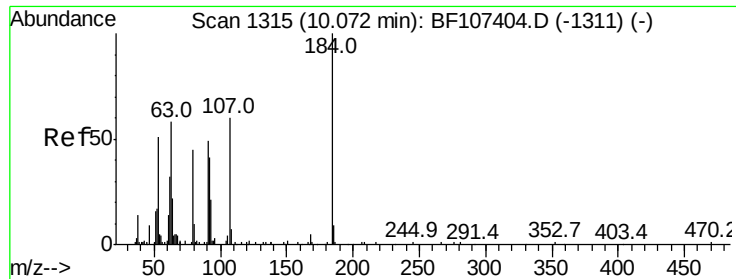
Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	138	Resp:	101038
Ion Ratio	Lower	Upper	
138	100		
108	13.5	9.4	14.0
92	130.8	89.4	134.2





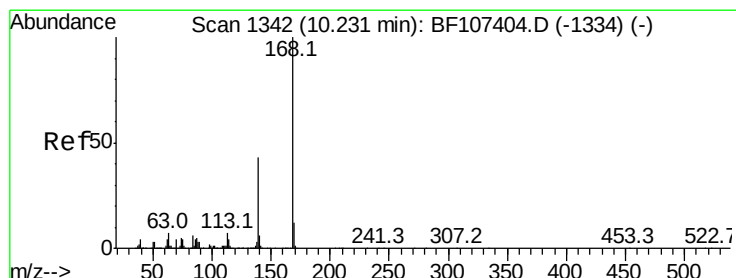
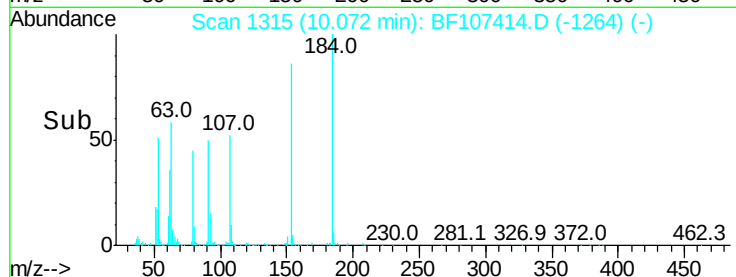
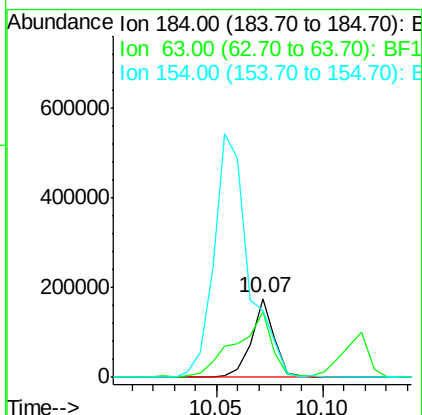
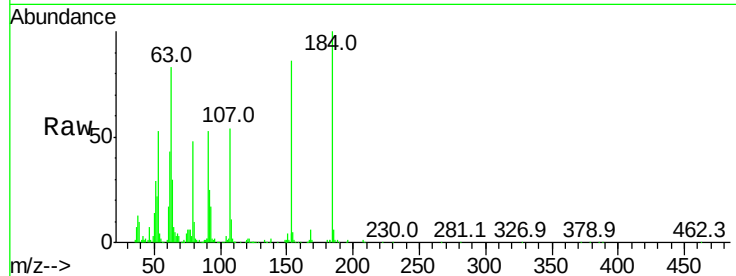
#53
2,4-Dinitrophenol
Concen: 65.286 ng
RT: 10.07 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	83.4	54.2	81.2#
154	85.5	184.0	276.0#

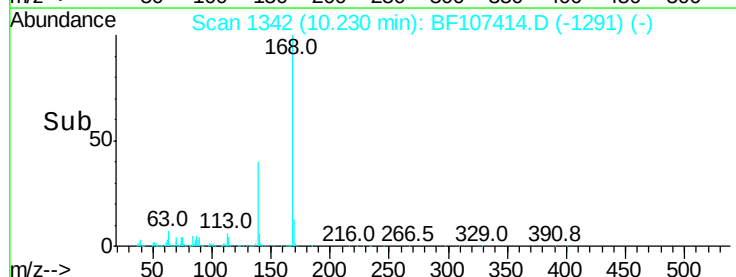
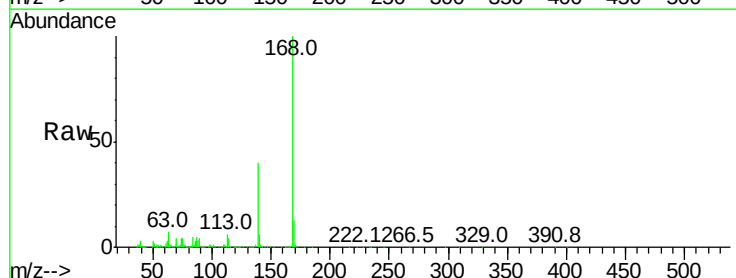
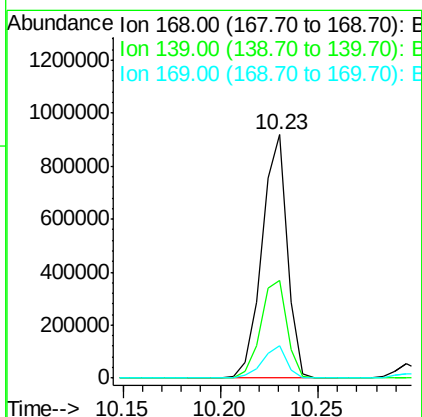
Manual Integrations
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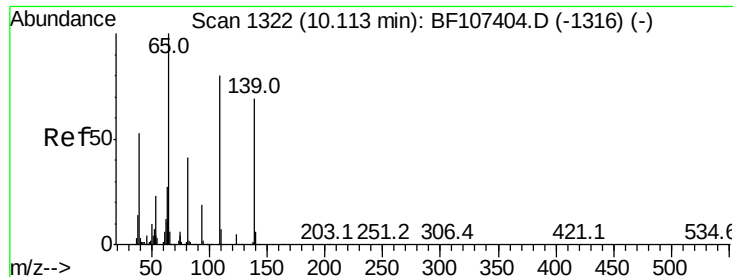
Sohil
7/17/2018 4:53:03 PM



#54
Dibenzofuran
Concen: 28.038 ng
RT: 10.23 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.2	30.1	45.1
169	13.1	10.9	16.3





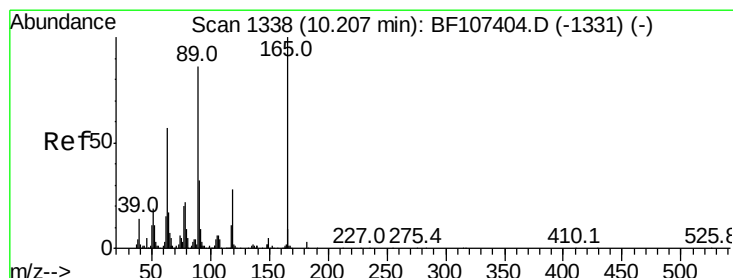
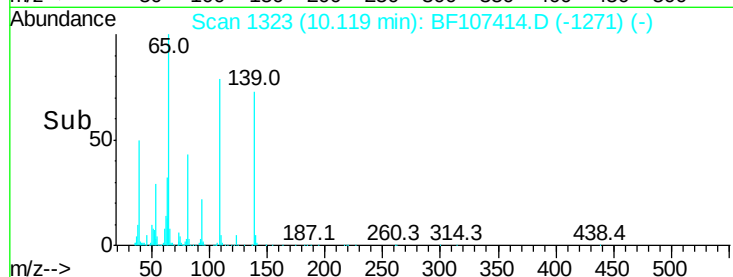
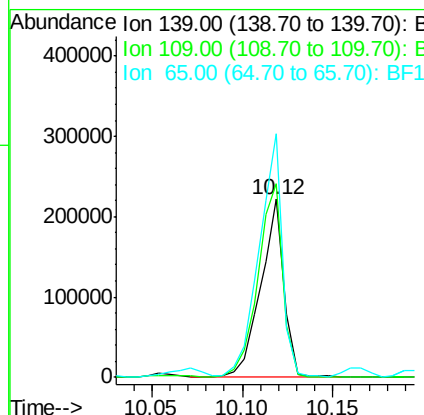
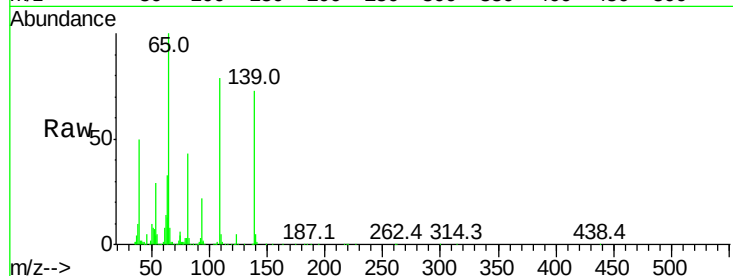
#55
4-Nitrophenol
Concen: 51.167 ng
RT: 10.12 min Scan# 1323
Delta R.T. 0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
139	100		
109	108.5	48.4	88.4#
65	136.8	72.6	112.6#

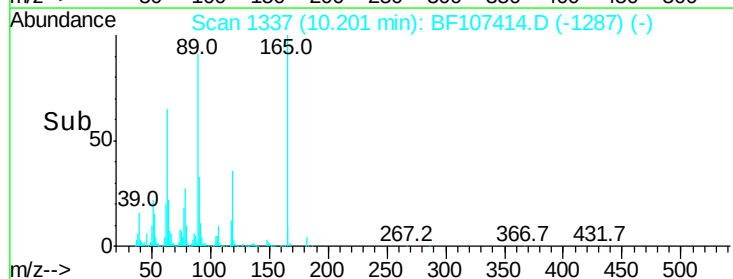
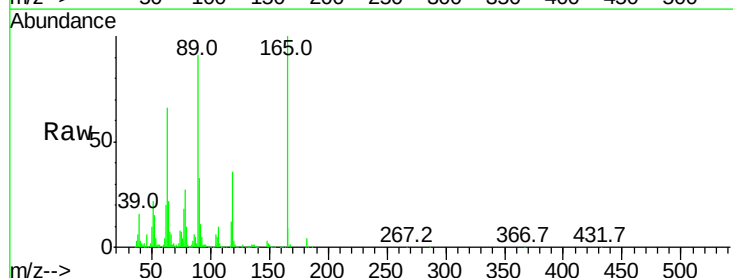
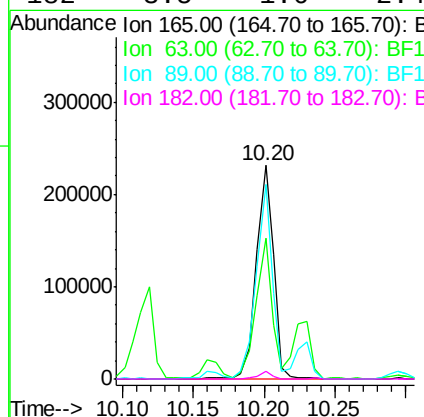
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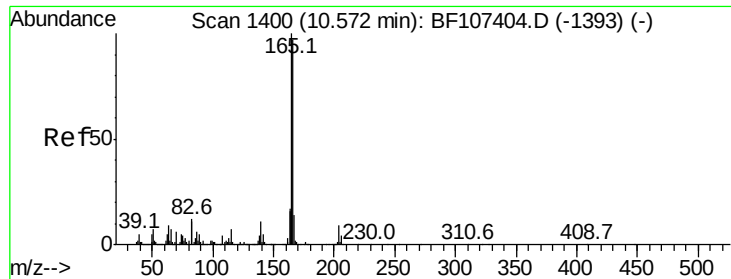
Sohil
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#56
2,4-Dinitrotoluene
Concen: 33.936 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	65.7	36.4	54.6#
89	91.0	57.8	86.6#
182	3.5	1.6	2.4#





#57

Fluorene

Concen: 29.528 ng

RT: 10.57 min Scan# 1400

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD

Tot Ion:166 Resp: 575198

Ion Ratio Lower Upper

166 100

165 102.1 79.8 119.8

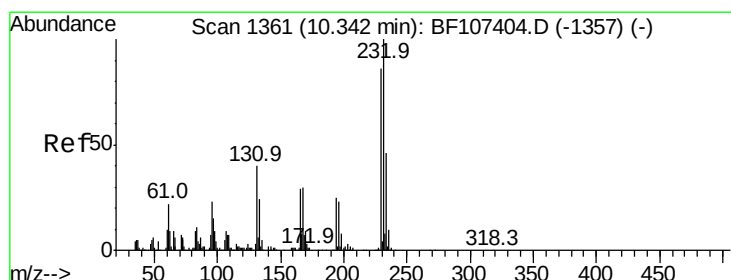
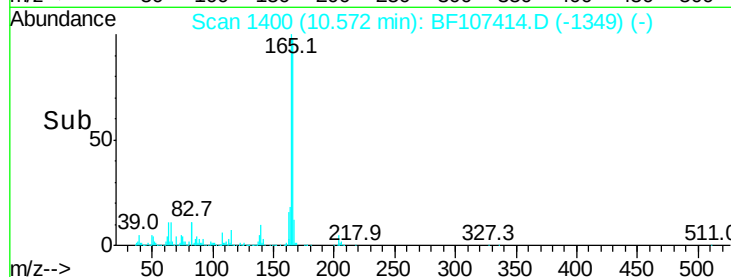
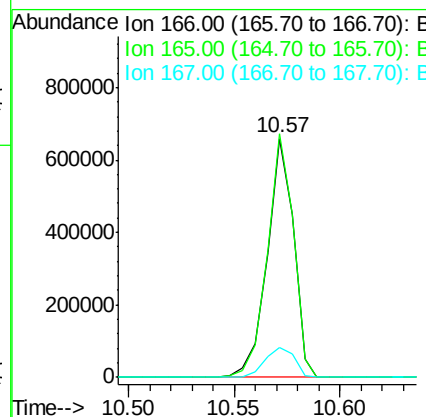
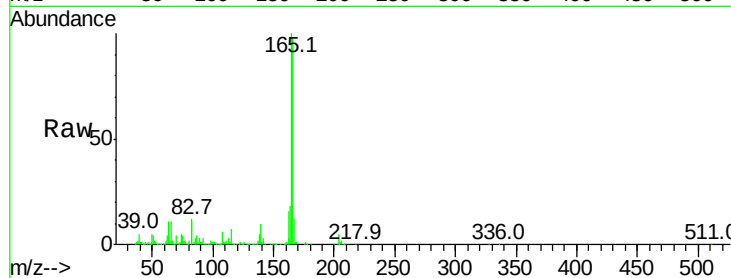
167 12.7 10.6 16.0

Manual Integrations

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#58

2,3,4,6-Tetrachlorophenol

Concen: 28.380 ng

RT: 10.34 min Scan# 1361

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:232 Resp: 192468

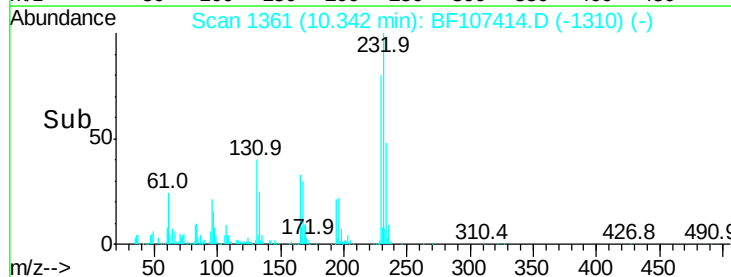
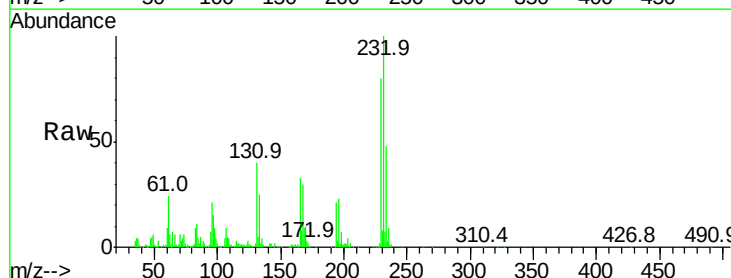
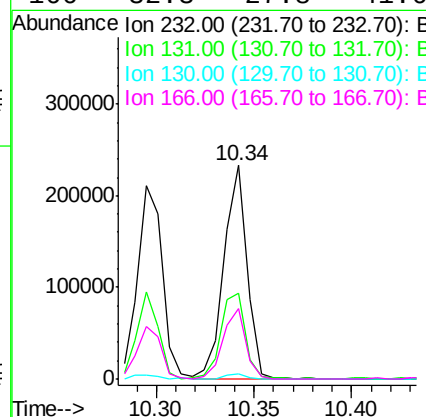
Ion Ratio Lower Upper

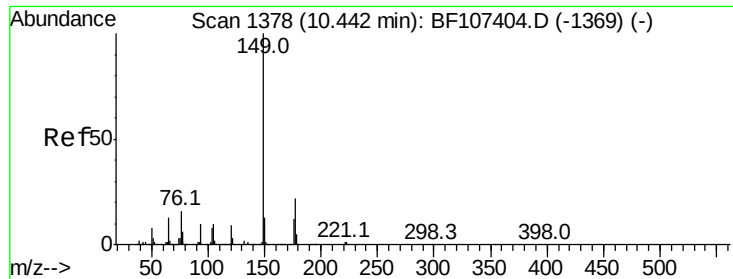
232 100

131 43.4 43.8 65.8#

130 2.2 2.1 3.1

166 32.3 27.8 41.6





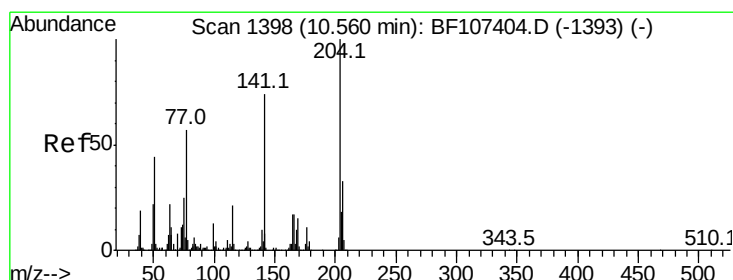
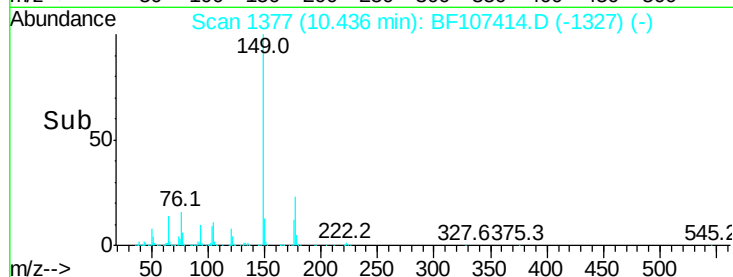
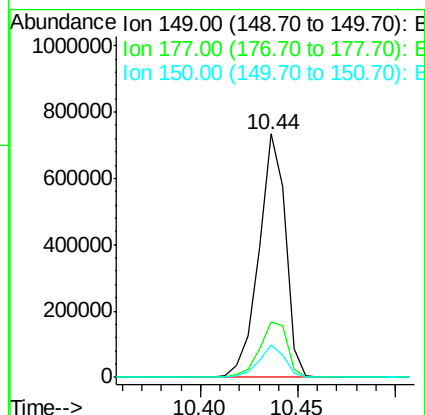
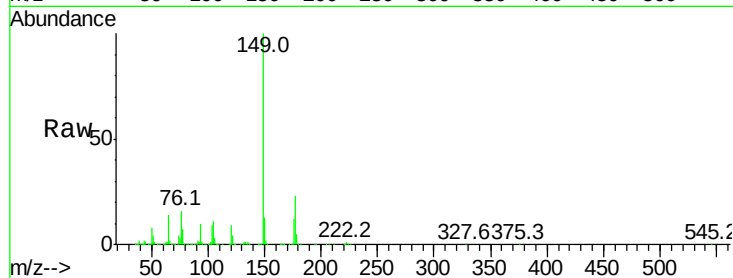
#59
Diethylphthalate
Concen: 29.741 ng
RT: 10.44 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	691650		
177	22.9	16.1	24.1	
150	13.5	10.1	15.1	

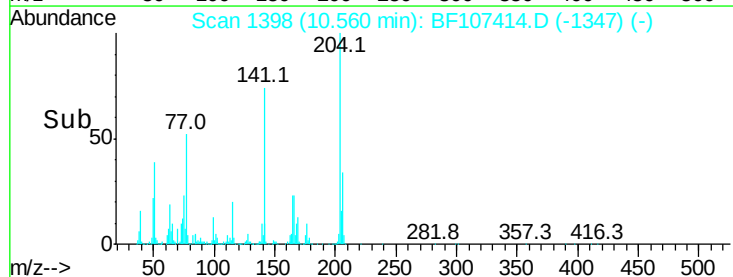
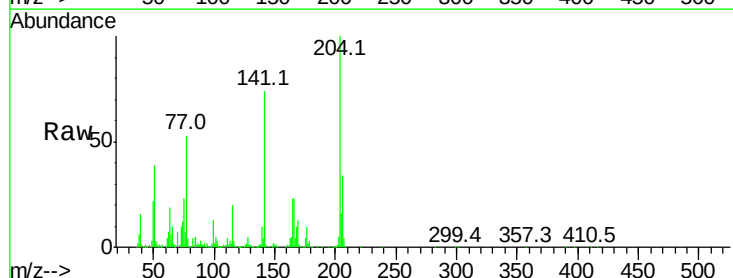
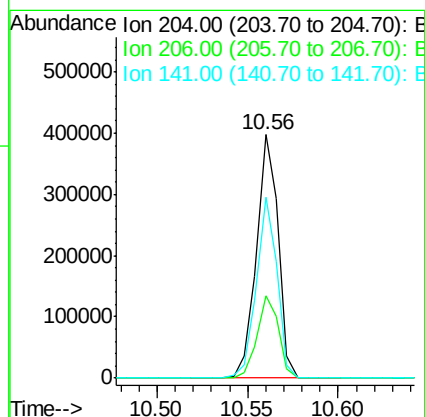
Manual Integrations
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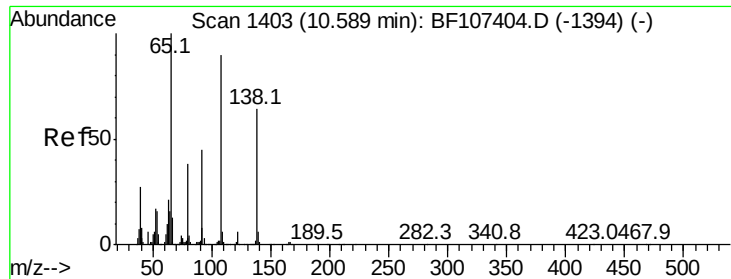
Sohil
7/17/2018 4:53:03 PM



#60
4-Chlorophenyl-phenylether
Concen: 28.424 ng
RT: 10.56 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	329802		
206	33.7	26.5	39.7	
141	74.1	54.6	81.8	





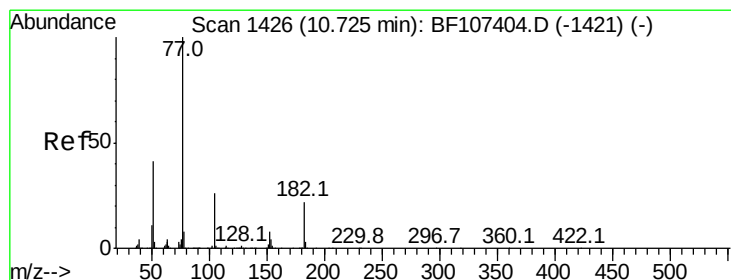
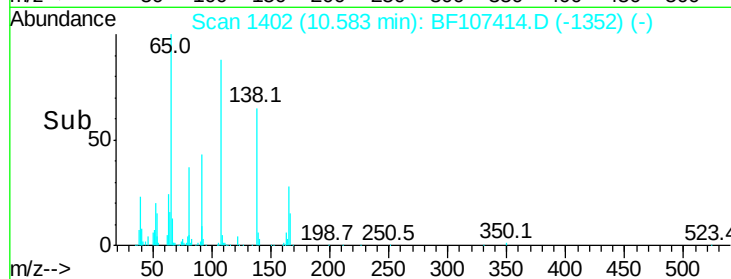
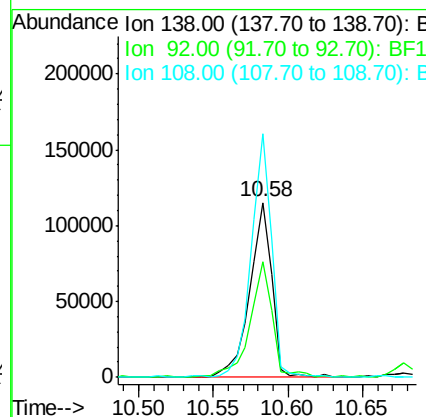
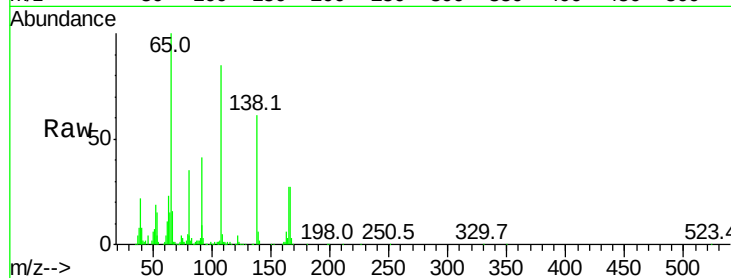
#61
4-Nitroaniline
Concen: 25.708 ng
RT: 10.58 min Scan# 1402
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	66.3	30.2	70.2
108	139.4	52.5	92.5#

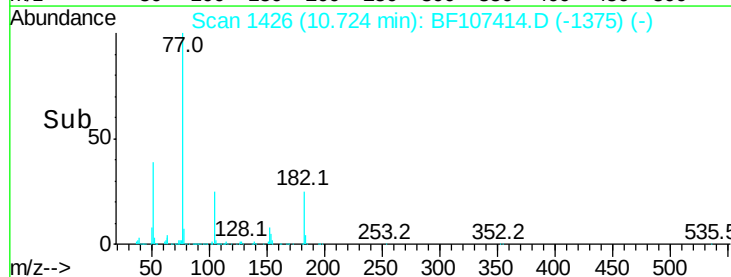
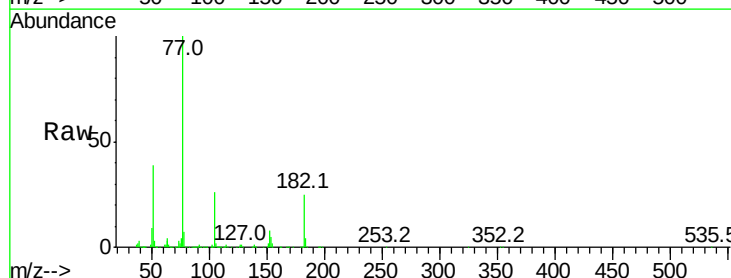
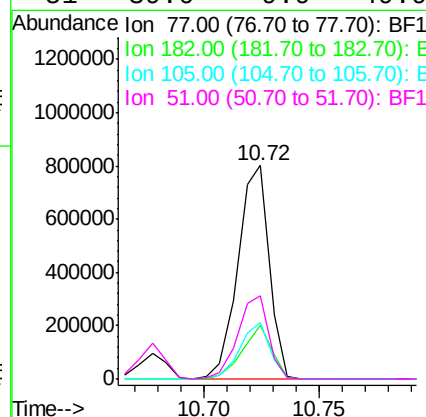
Manual Integrations
APPROVED

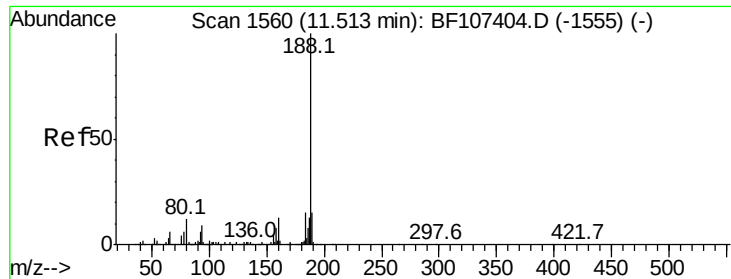
Sohil
7/17/2018 4:53:03 PM



#62
Azobenzene
Concen: 27.696 ng
RT: 10.72 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
77	100		
182	24.9	1.7	41.7
105	26.4	3.0	43.0
51	39.0	9.9	49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

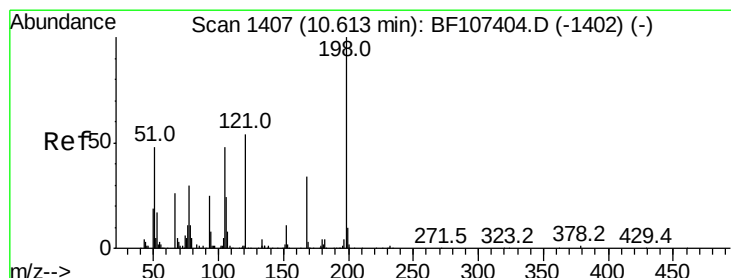
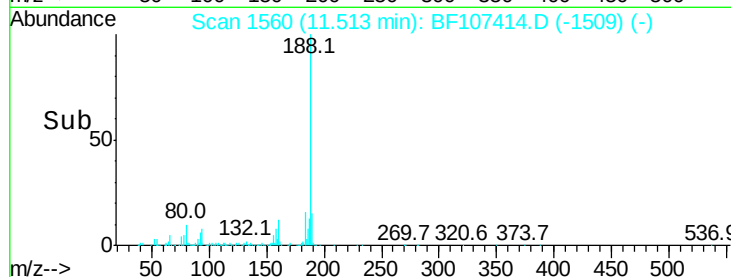
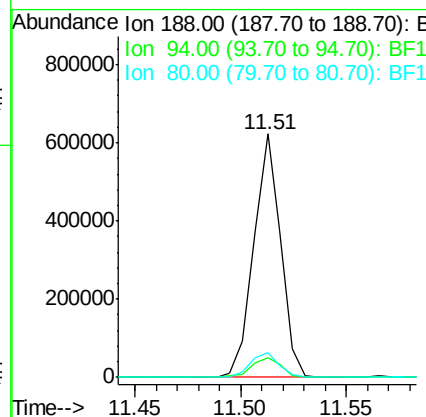
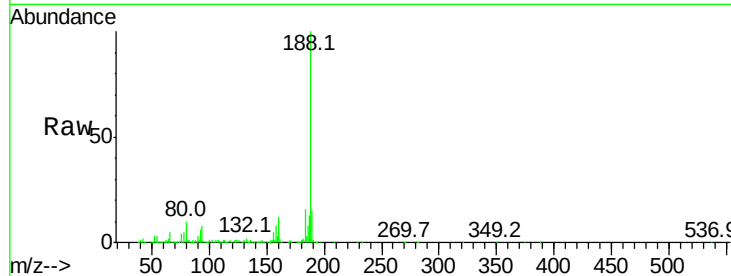
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	188	Resp:	550588
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.5	12.7#
80	10.0	9.2	13.8

Manual Integrations
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Sohil
7/17/2018 4:53:03 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 37.886 ng

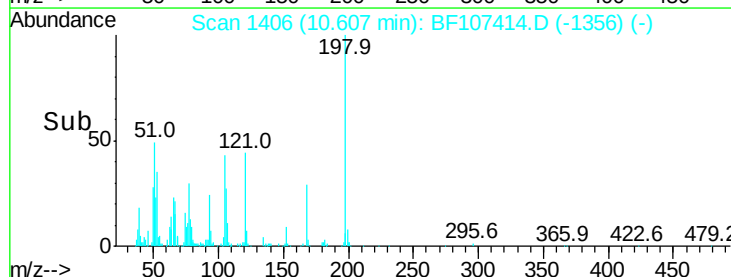
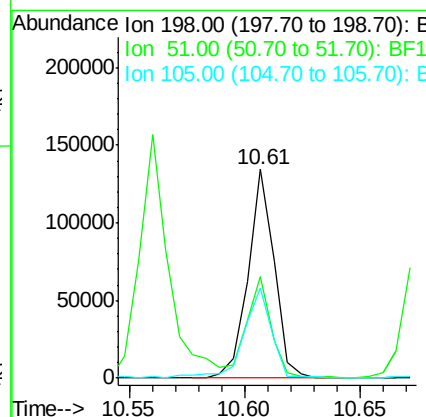
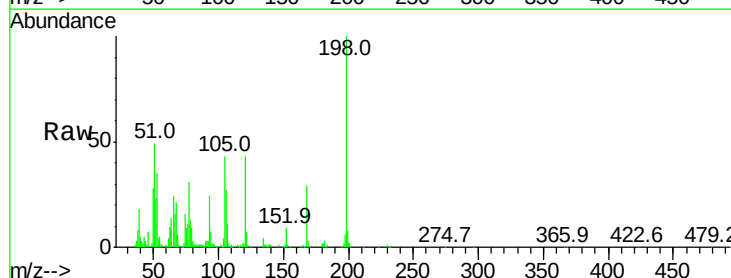
RT: 10.61 min Scan# 1406

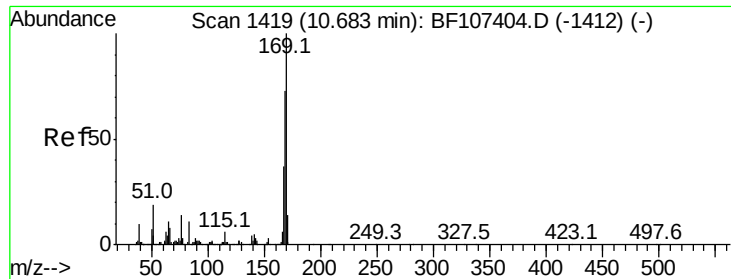
Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	198	Resp:	106269
Ion Ratio	Lower	Upper	
198	100		
51	48.9	37.7	77.7
105	43.5	36.3	76.3





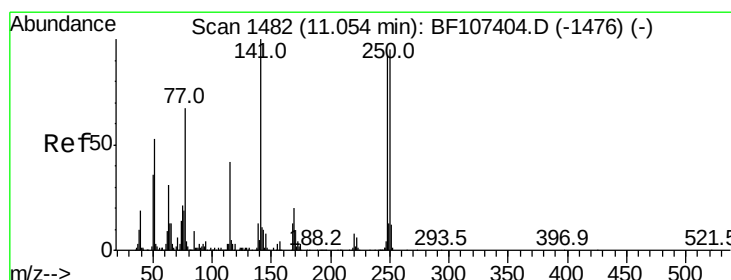
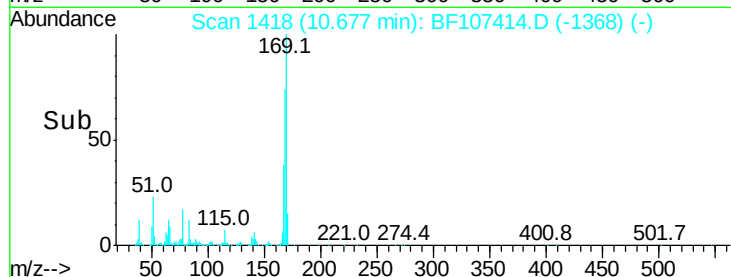
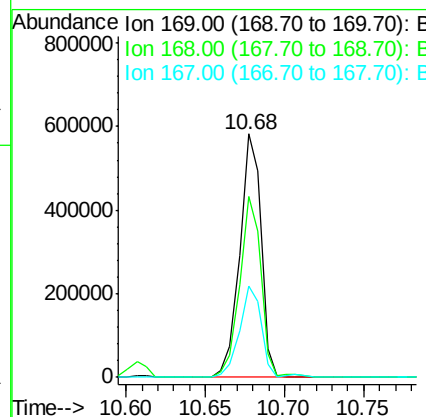
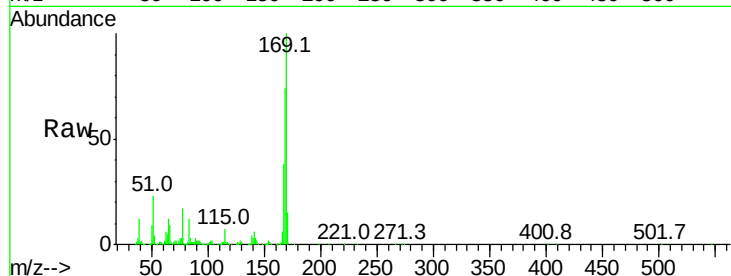
#65
n-Nitrosodiphenylamine
Concen: 31.185 ng
RT: 10.68 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
169	100		
168	74.2	54.4	81.6
167	37.7	29.8	44.6

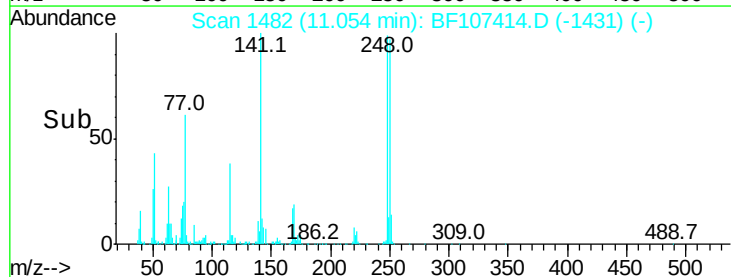
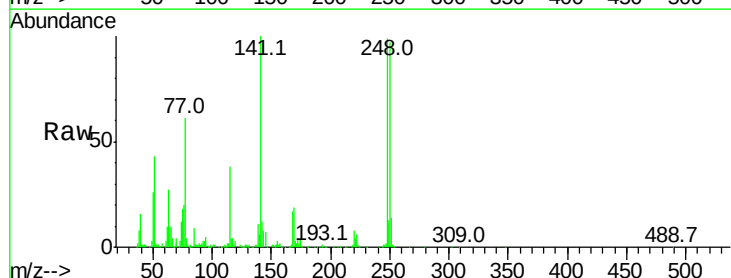
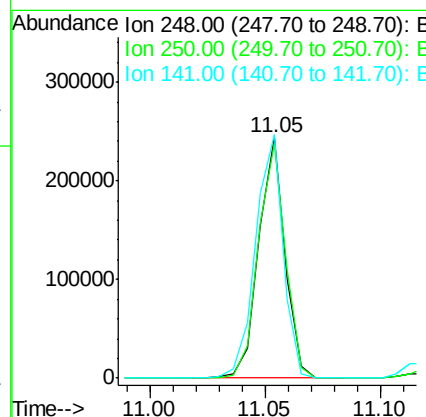
Manual Integrations
APPROVED

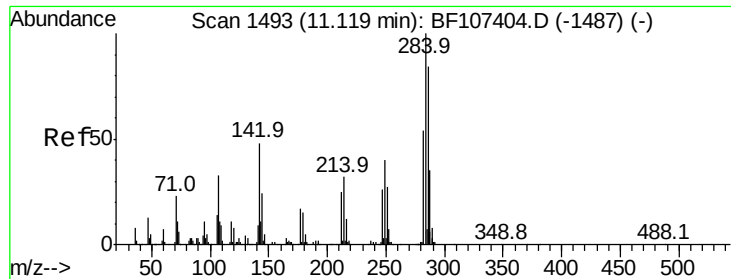
Sohil
7/17/2018 4:53:03 PM



#66
4-Bromophenyl-phenylether
Concen: 30.705 ng
RT: 11.05 min Scan# 1482
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.6	76.9	115.3
141	101.0	74.4	111.6





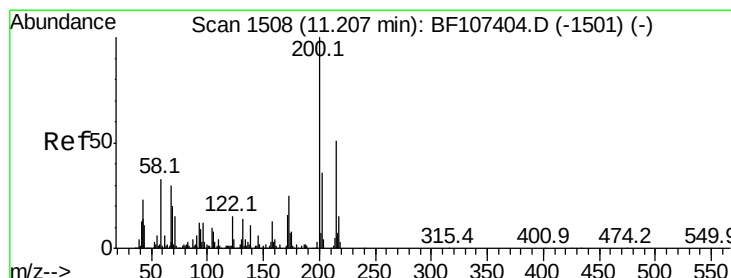
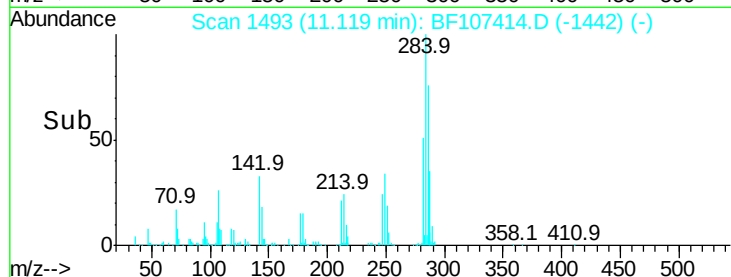
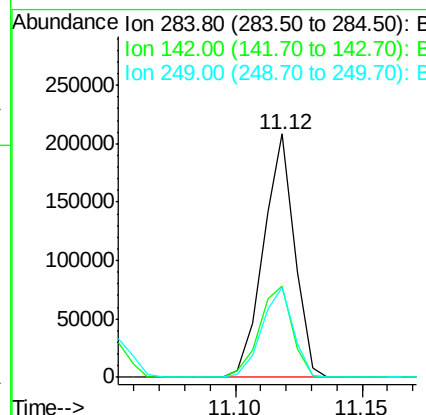
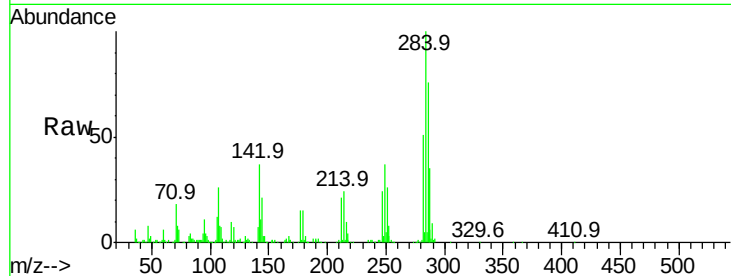
#67
Hexachlorobenzene
Concen: 30.252 ng
RT: 11.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	37.3	34.6	52.0	
249	37.0	24.8	37.2	

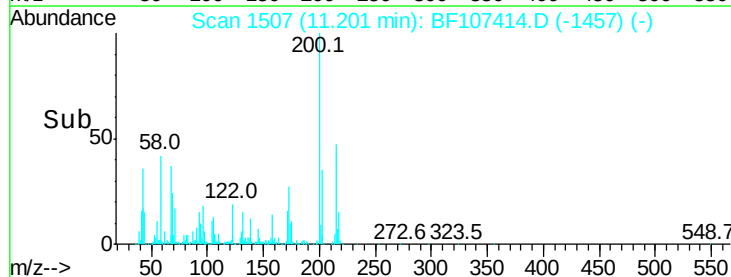
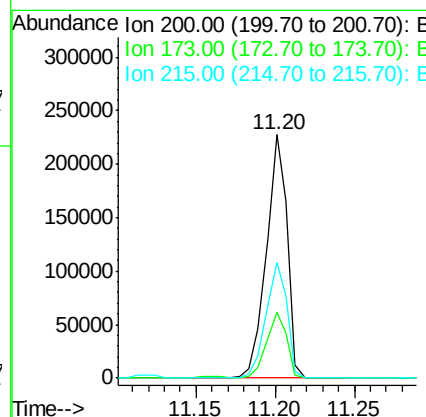
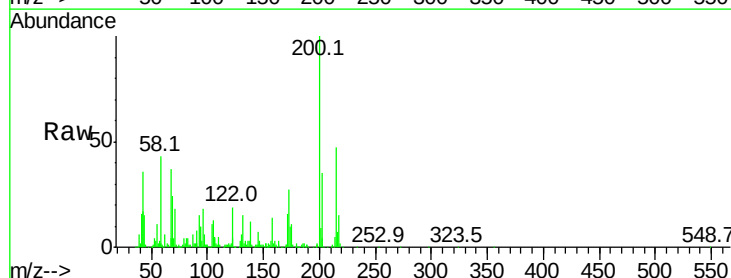
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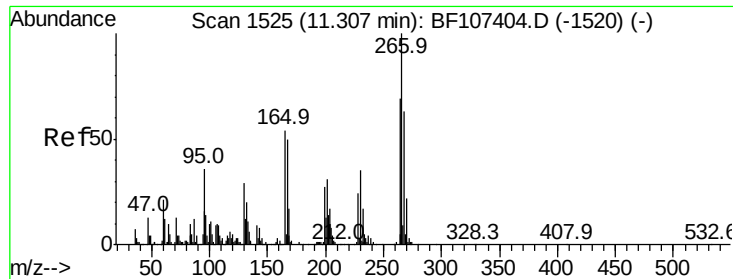
Sohil
7/17/2018 4:53:03 PM



#68
Atrazine
Concen: 31.950 ng
RT: 11.20 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.0	8.6	48.6	
215	47.3	25.1	65.1	





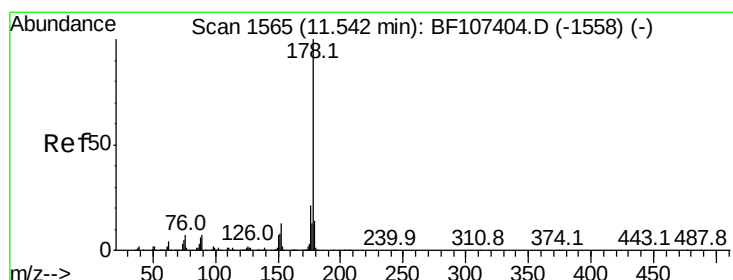
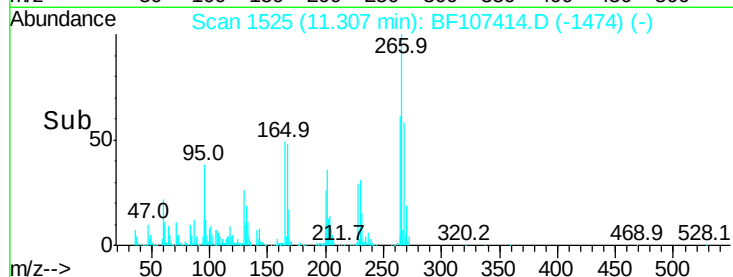
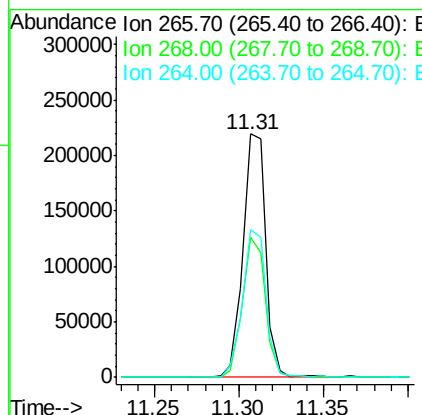
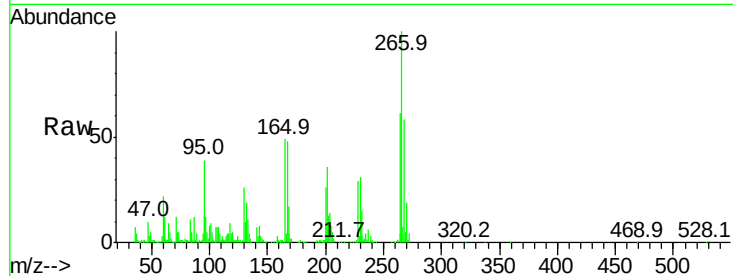
#69
 Pentachlorophenol
 Concen: 47.974 ng
 RT: 11.31 min Scan# 1525
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
266	100		
268	57.6	51.1	76.7
264	60.6	49.5	74.3

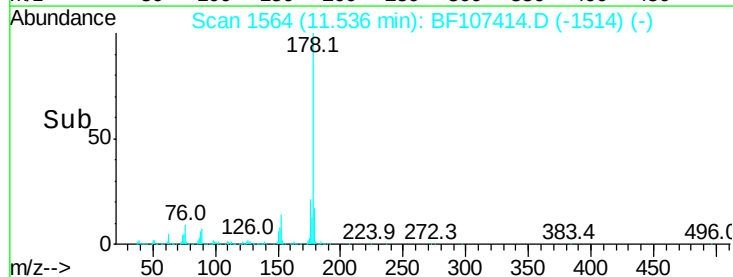
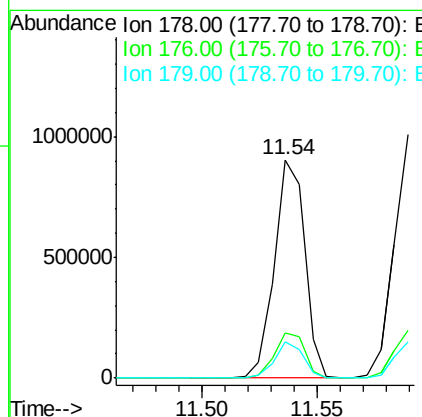
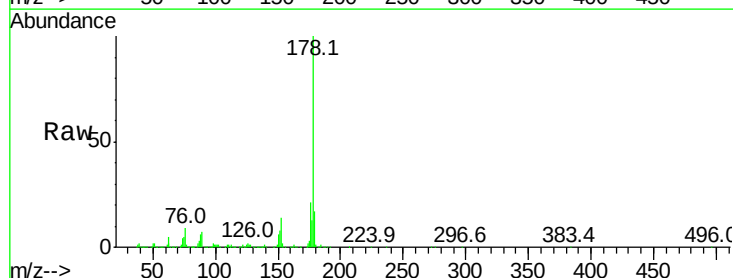
Manual Integrations
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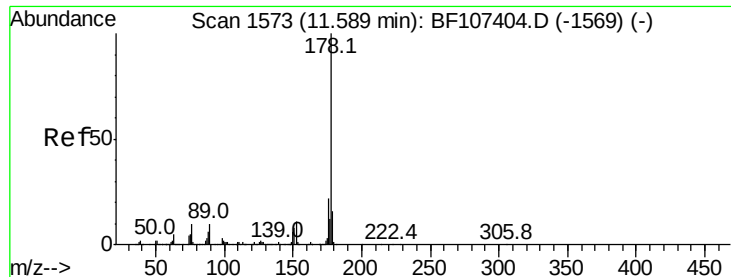
Sohil
 7/17/2018 4:53:03 PM



#70
 Phenanthrene
 Concen: 30.116 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	16.9	13.0	19.6





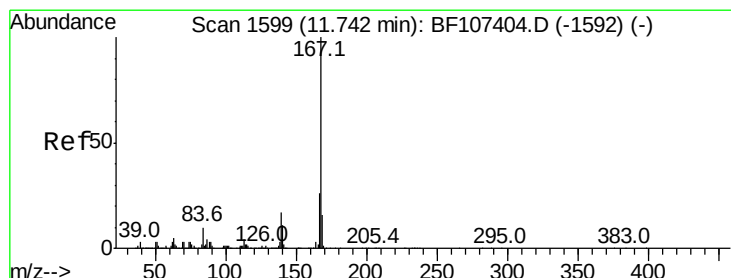
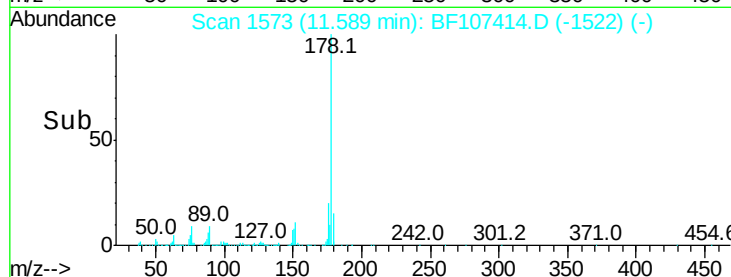
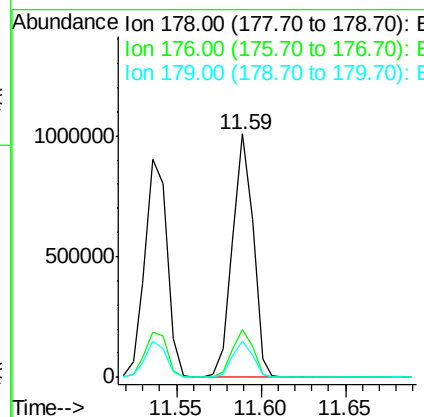
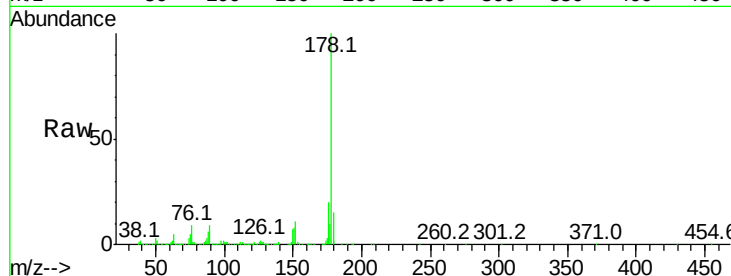
#71
 Anthracene
 Concen: 31.514 ng
 RT: 11.59 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	14.6	12.6	19.0

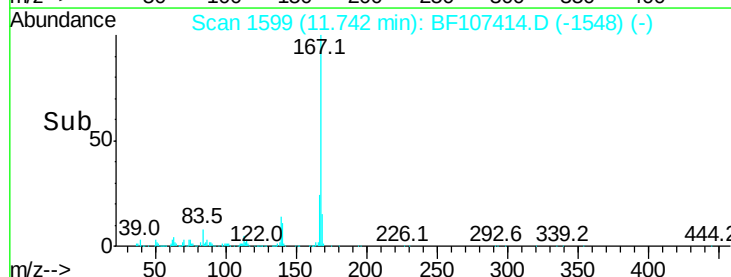
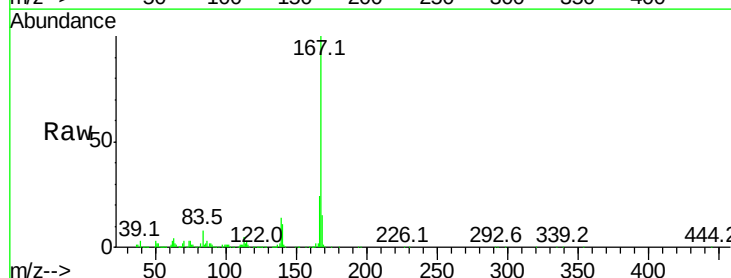
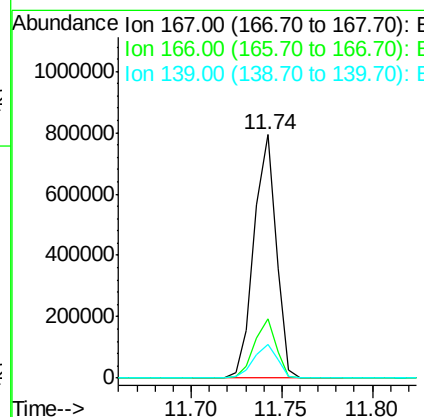
Manual Integrations
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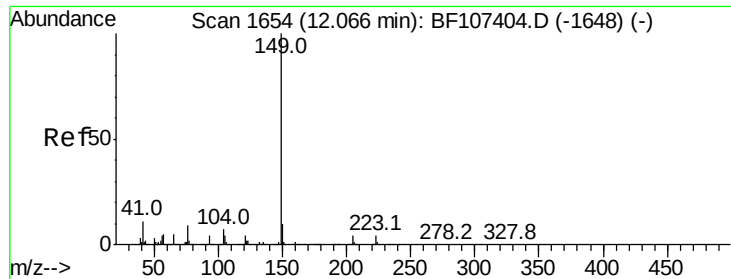
Sohil
 7/17/2018 4:53:03 PM



#72
 Carbazole
 Concen: 26.321 ng
 RT: 11.74 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	17.6	26.4
139	13.8	10.9	16.3





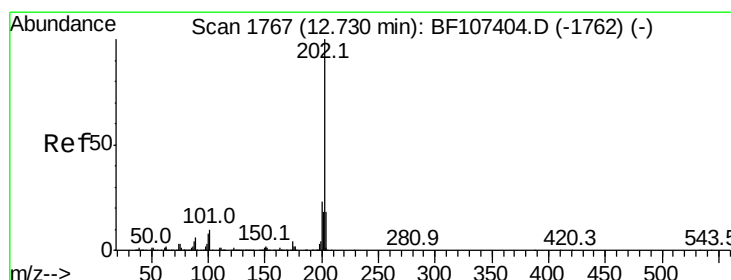
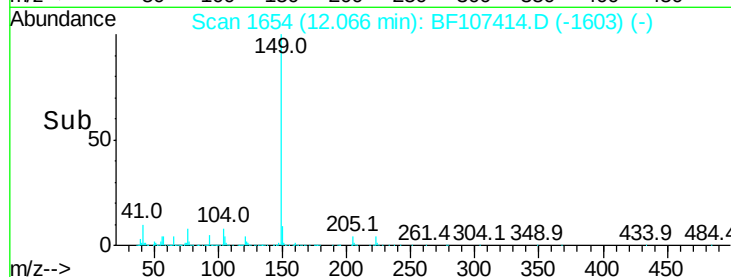
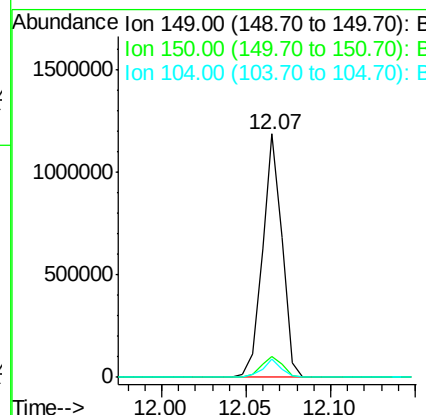
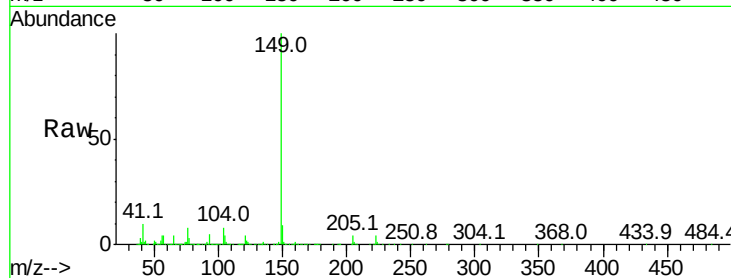
#73
Di-n-butylphthalate
Concen: 32.069 ng
RT: 12.07 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.8	11.6
104	7.6	3.8	5.8

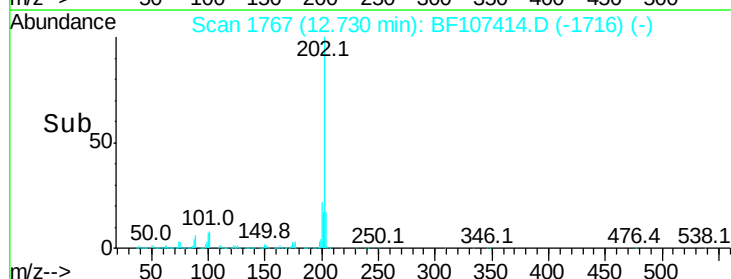
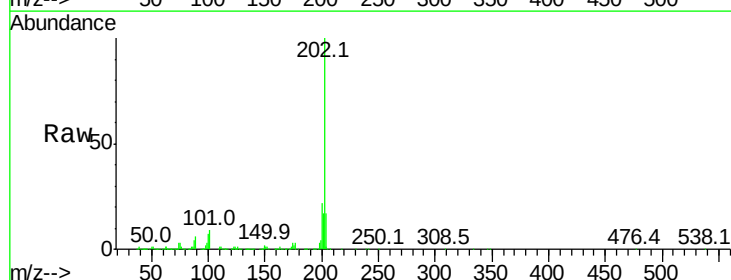
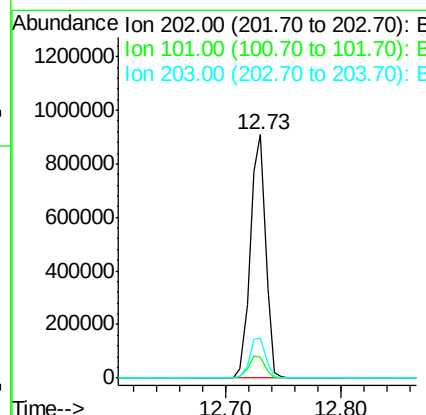
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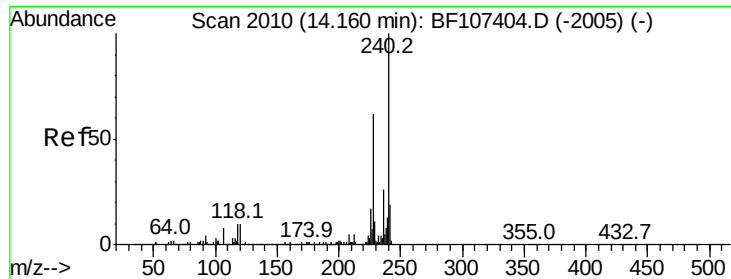
Sohil
7/17/2018 4:53:03 PM



#74
Fluoranthene
Concen: 26.773 ng
RT: 12.73 min Scan# 1767
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD

Tot Ion:240 Resp: 402307
Ion Ratio Lower Upper

240 100

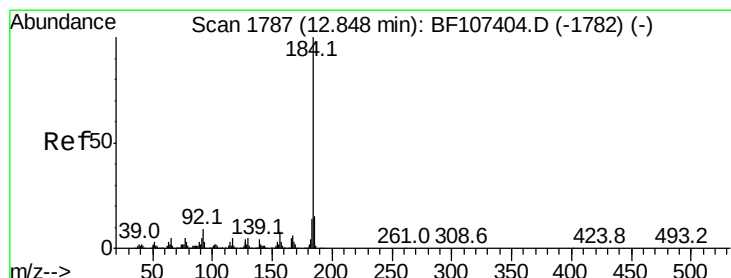
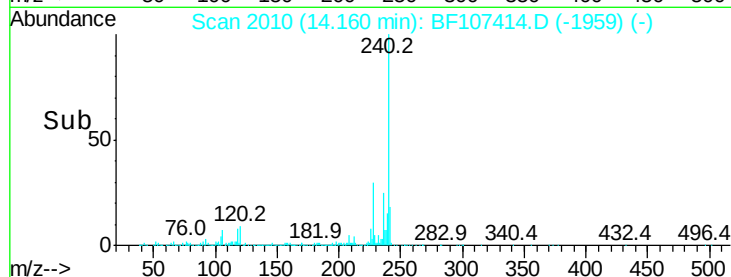
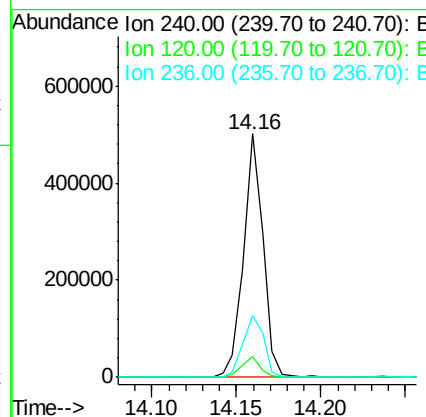
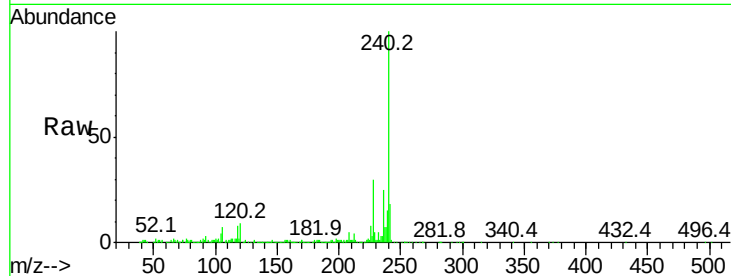
120 8.7 9.5 14.3#

236 25.3 20.7 31.1

Manual Integrations
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Sohil

7/17/2018 4:53:03 PM



#76

Benzidine

Concen: 17.157 ng

RT: 12.85 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF107414.D

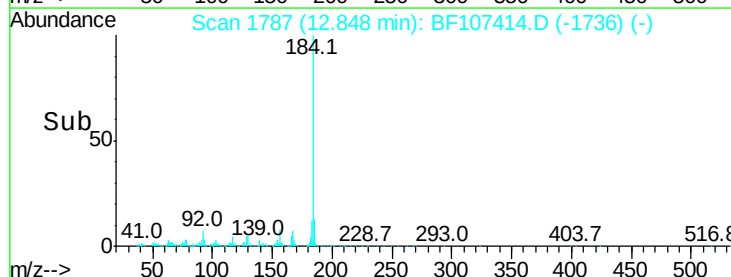
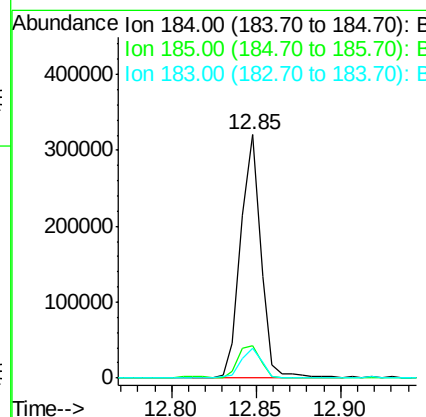
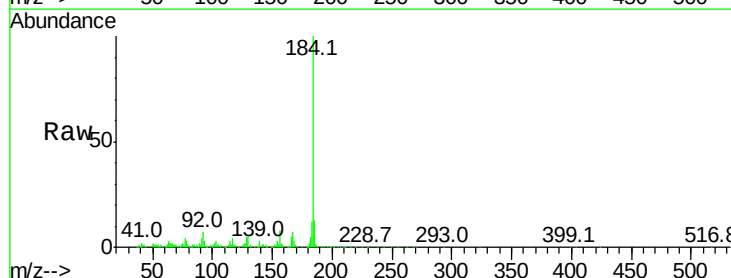
Acq: 16 Jul 2018 20:39

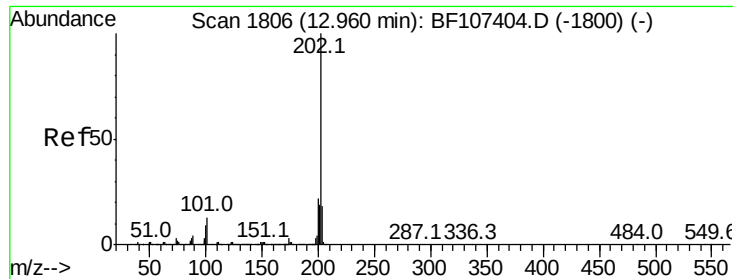
Tgt Ion:184 Resp: 267884
Ion Ratio Lower Upper

184 100

185 13.3 12.6 18.8

183 12.3 9.3 13.9





#77

Pvrene

Concen: 29.109 ng

RT: 12.96 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

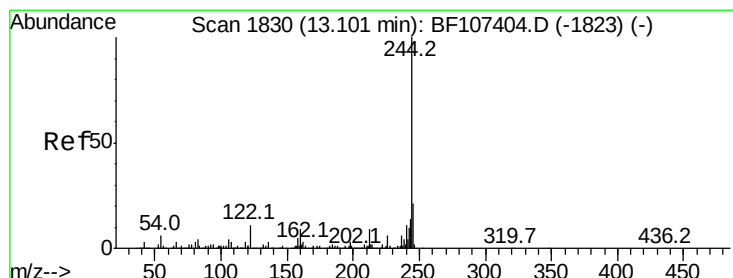
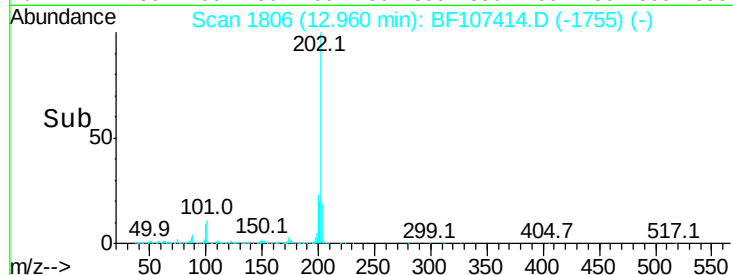
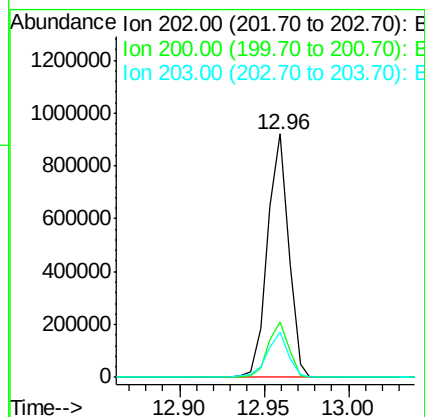
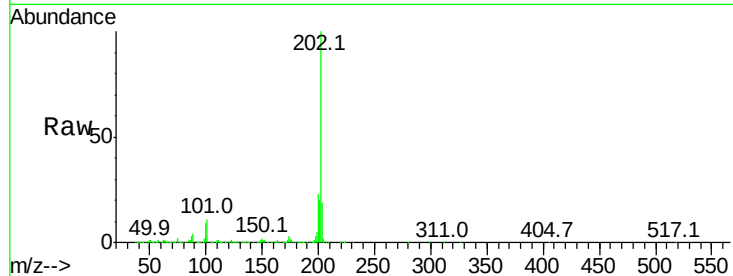
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	202	Resp:	796349
Ion Ratio		Lower	Upper
202	100		
200	22.6	17.4	26.2
203	18.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 61.556 ng

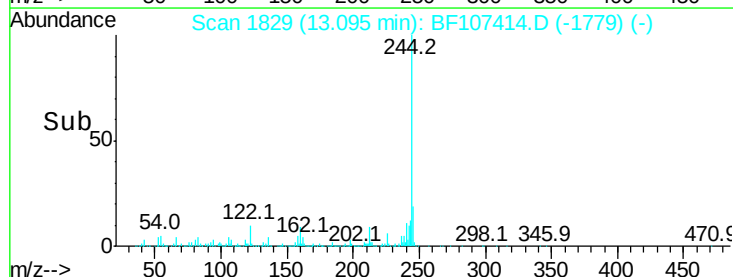
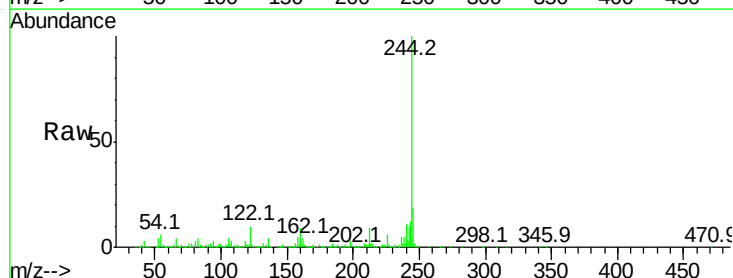
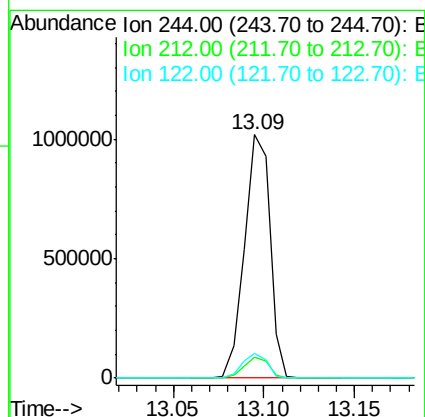
RT: 13.09 min Scan# 1829

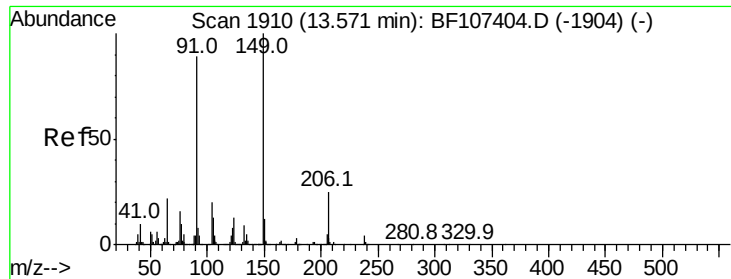
Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	244	Resp:	996730
Ion Ratio		Lower	Upper
244	100		
212	8.6	5.4	8.0#
122	10.3	11.0	16.4#





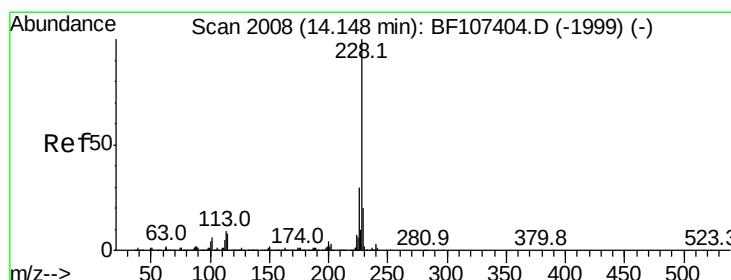
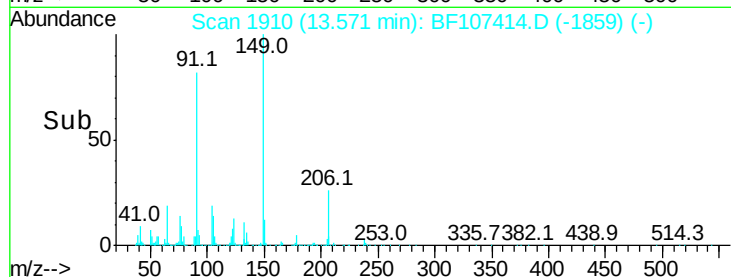
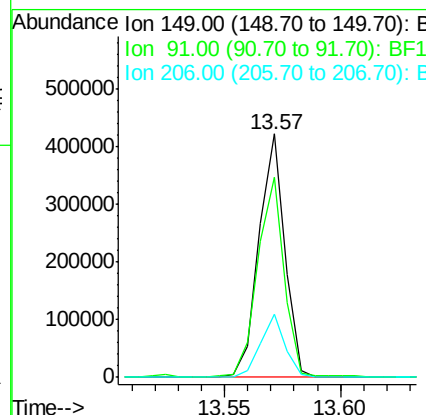
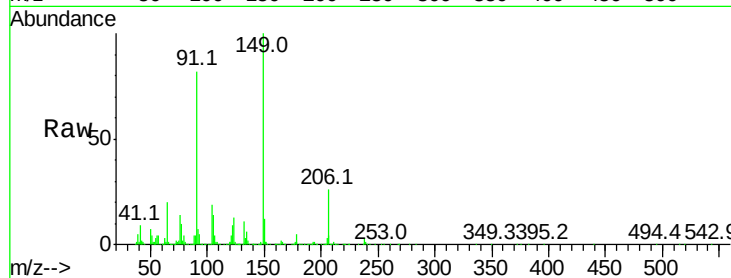
#79
Butylbenzylphthalate
Concen: 33.320 ng
RT: 13.57 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	82.4	56.8	85.2
206	26.2	14.1	21.1

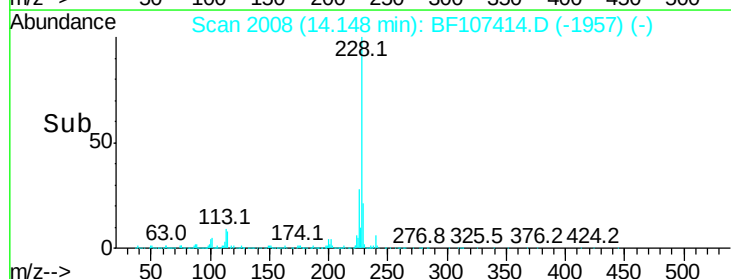
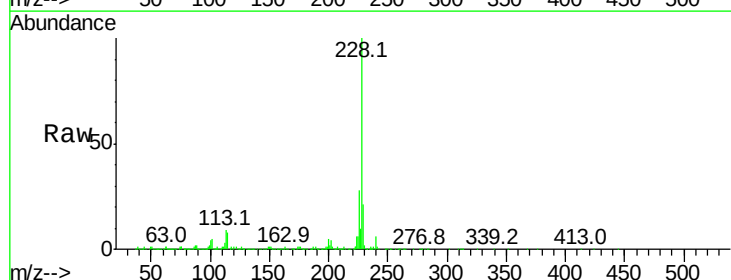
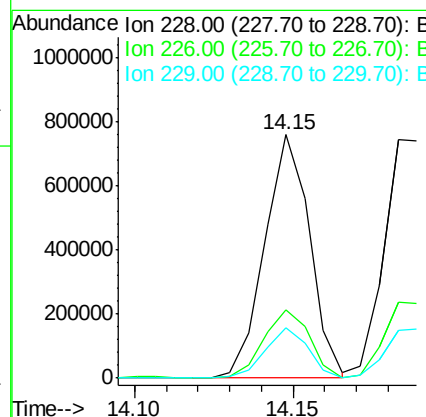
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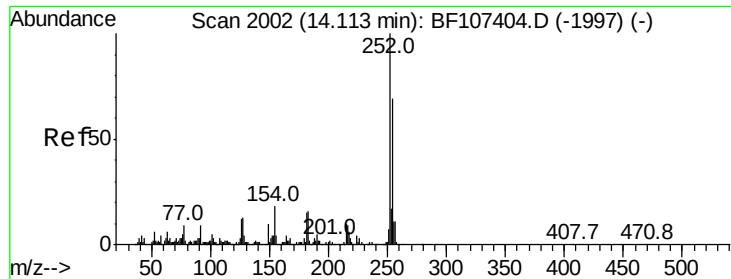
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#80
Benzo(a)anthracene
Concen: 30.474 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.8	15.8	23.6





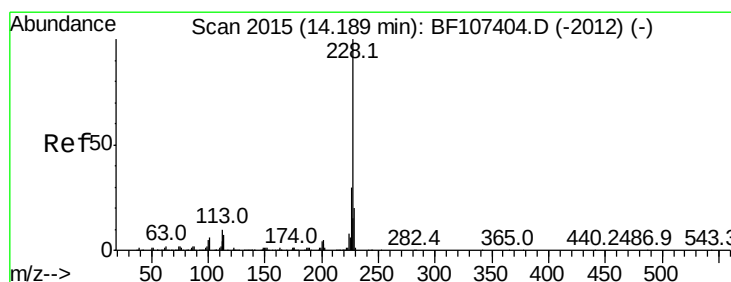
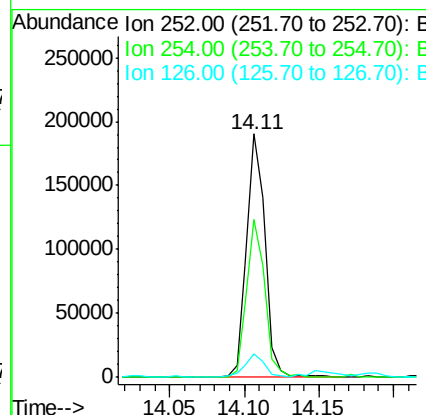
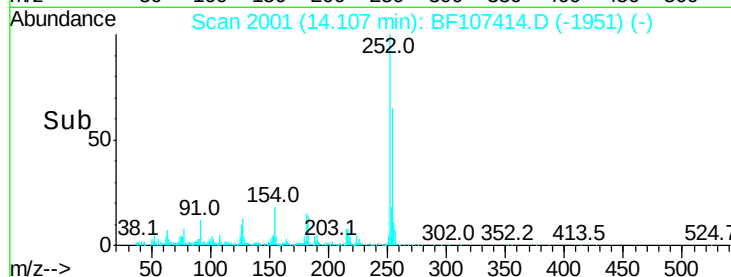
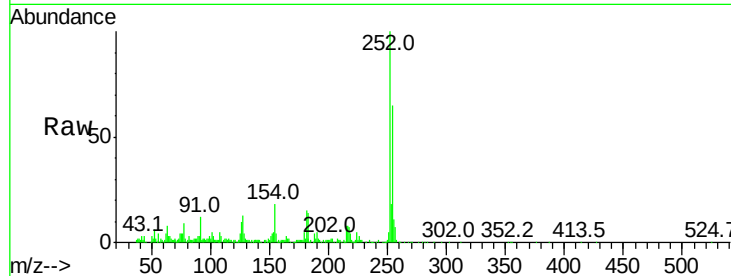
#81
 3,3'-Dichlorobenzidine
 Concen: 19.856 ng
 RT: 14.11 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Instrument :
 BNA_F
 ClientSampleId :
 FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.4	75.6
126	9.8	11.3	16.9

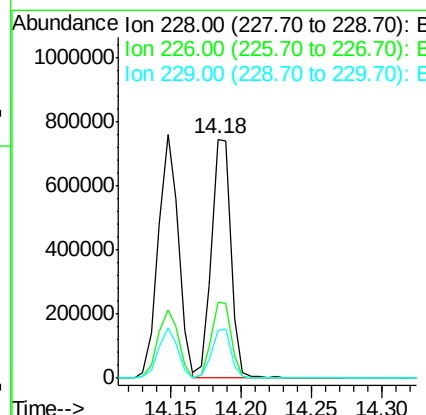
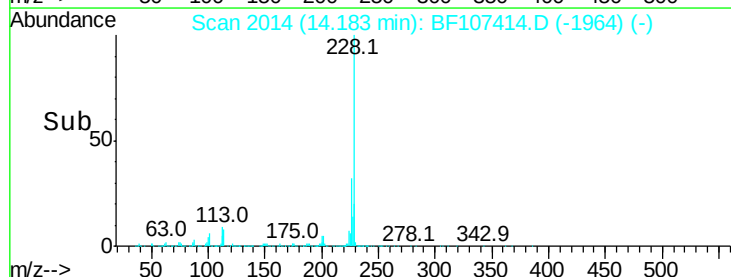
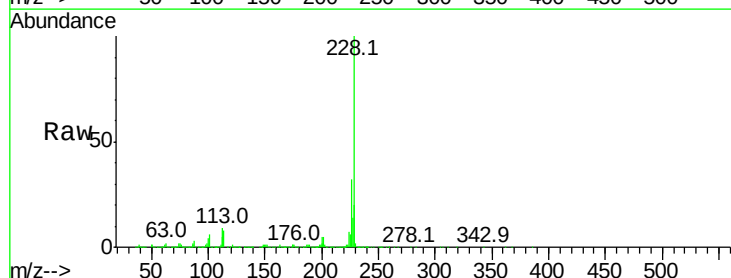
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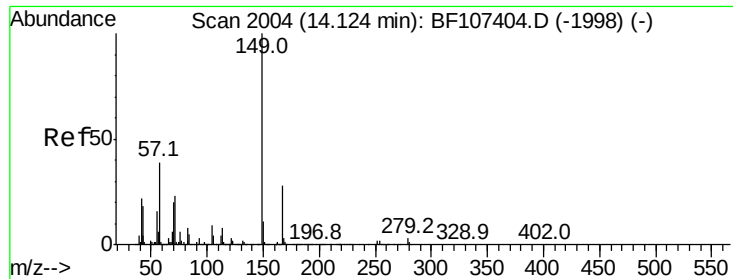
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#82
 Chrysene
 Concen: 30.506 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF107414.D
 Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	20.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 33.904 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD

Tot Ion:149 Resp: 484147

Ion Ratio Lower Upper

149 100

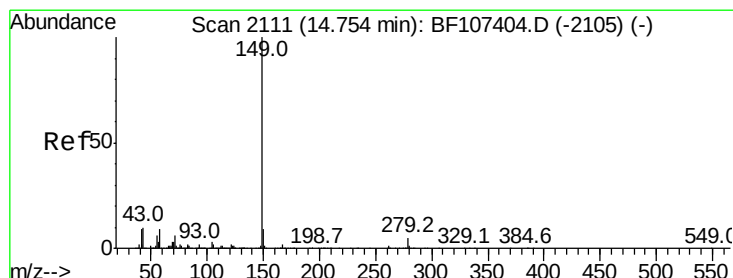
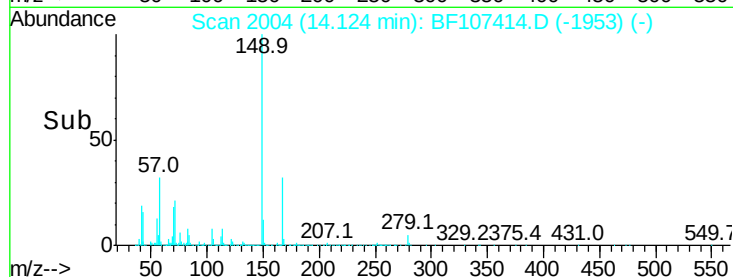
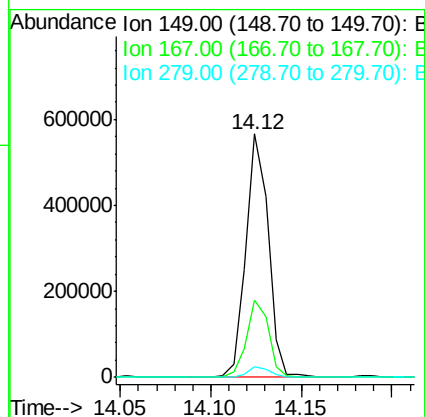
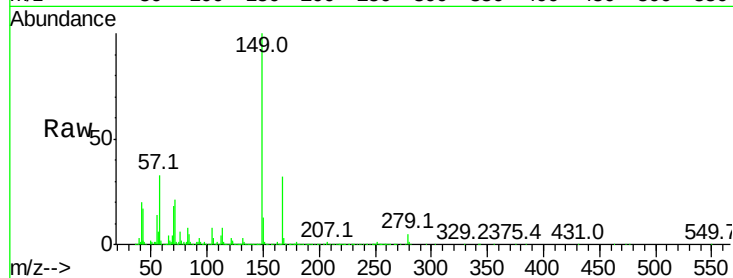
167 31.8 21.3 31.9

279 4.6 3.0 4.4#

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#84

Di-n-octyl phthalate

Concen: 37.043 ng

RT: 14.75 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

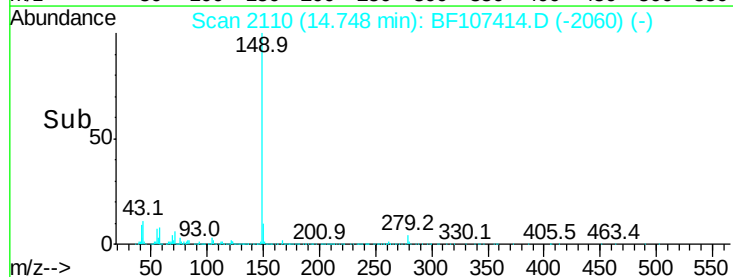
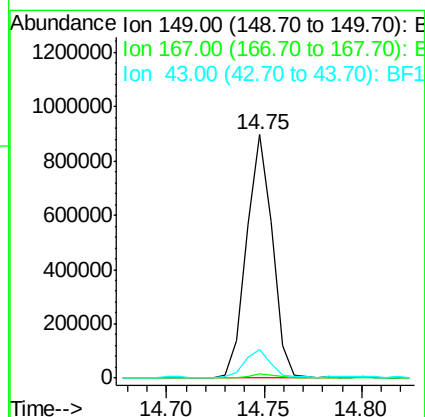
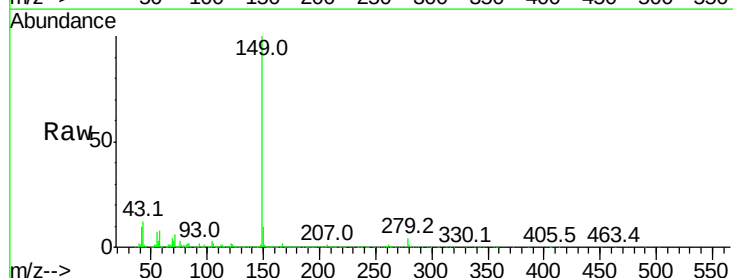
Tgt Ion:149 Resp: 822293

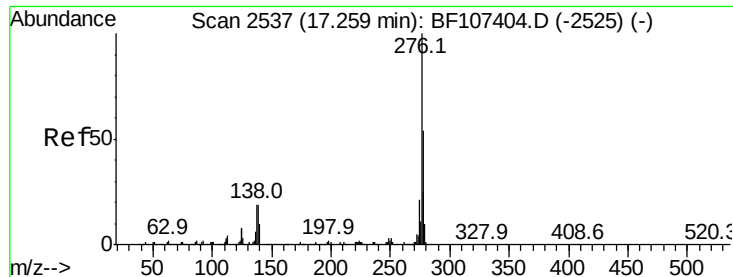
Ion Ratio Lower Upper

149 100

167 2.0 1.2 1.8#

43 11.2 8.4 12.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 46.743 ng

RT: 17.25 min Scan# 2536

Delta R.T. -0.01 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

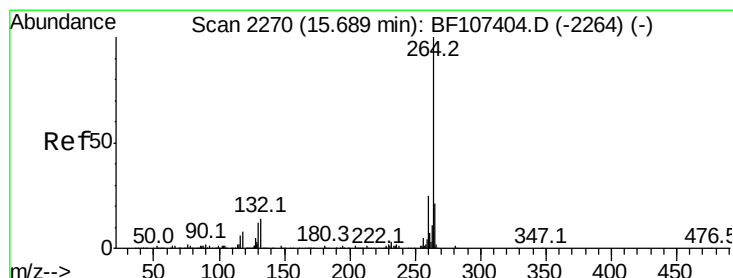
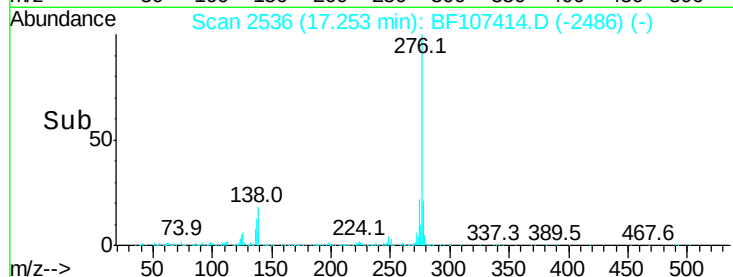
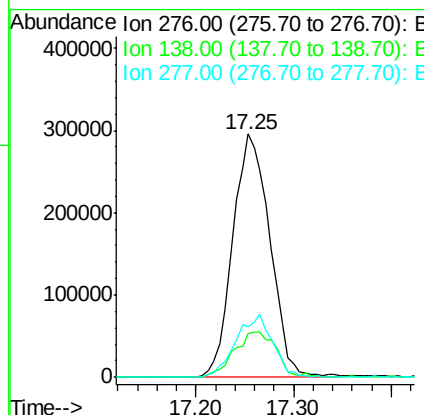
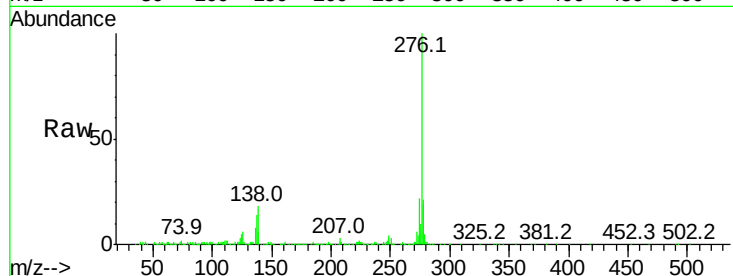
ClientSampleId :

FK-PS-01-033MSD

Tot Ion:	276	Resp:	782354
Ion Ratio	Lower	Upper	
276	100		
138	21.0	25.0	37.6#
277	25.9	20.1	30.1

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#86

Perylene-d12

Concen: 20.000 ng

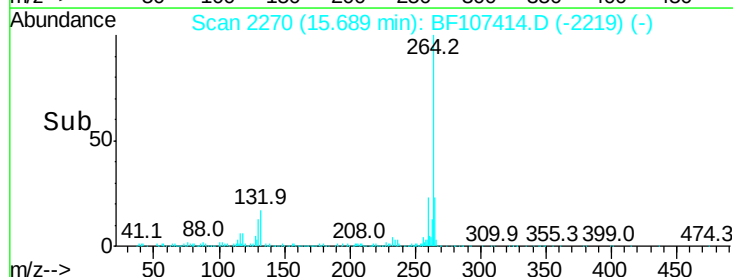
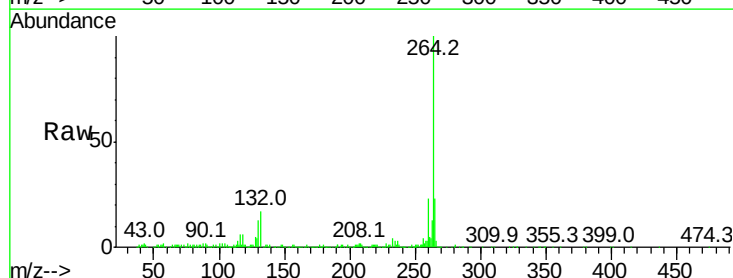
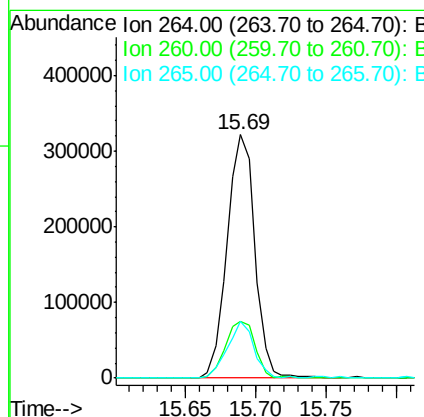
RT: 15.69 min Scan# 2270

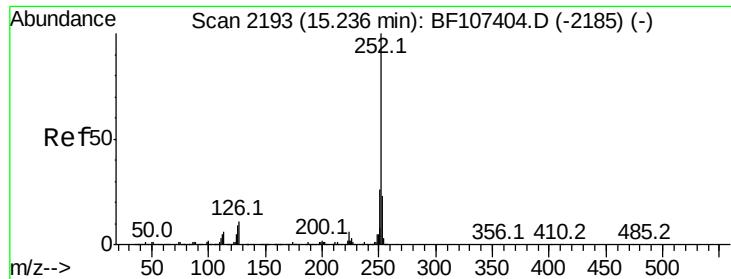
Delta R.T. -0.00 min

Lab File: BF107414.D

Acq: 16 Jul 2018 20:39

Tgt Ion:	264	Resp:	440867
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	23.4	17.5	26.3





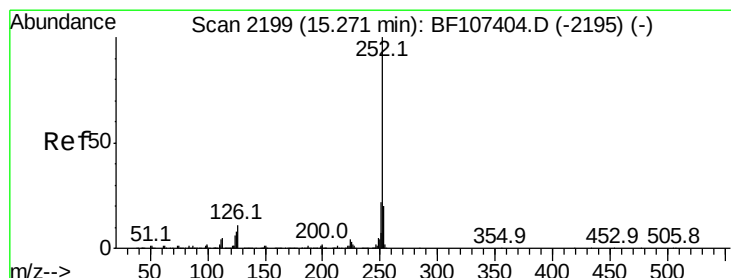
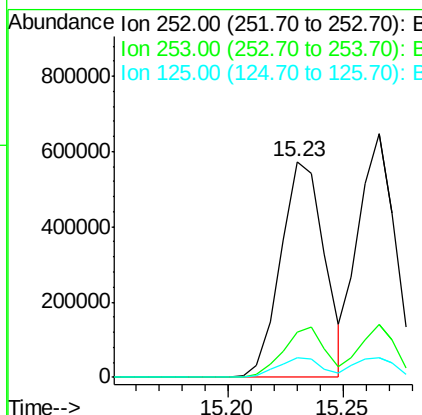
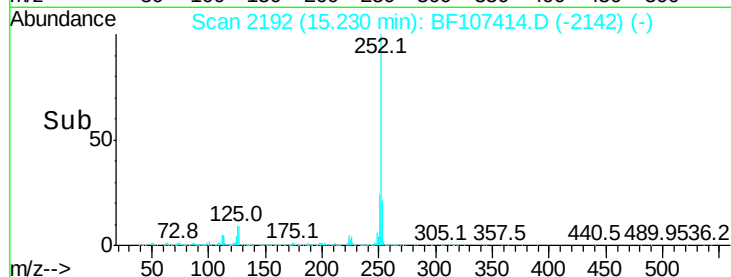
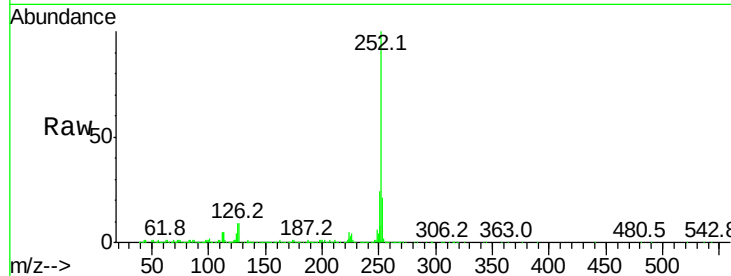
#87
Benzo(b)fluoranthene
Concen: 29.183 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.6
125	8.8	9.0	13.6#

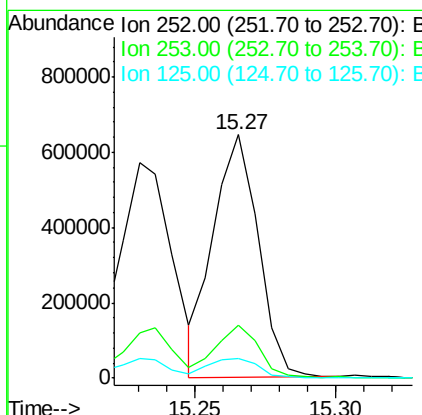
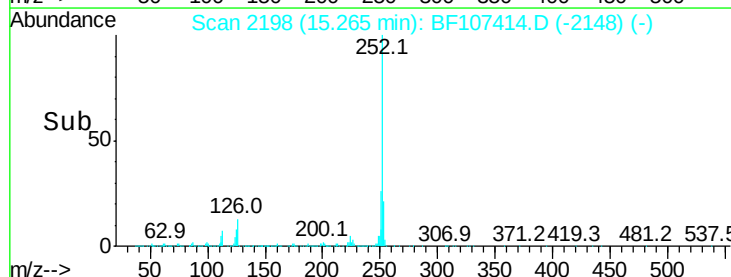
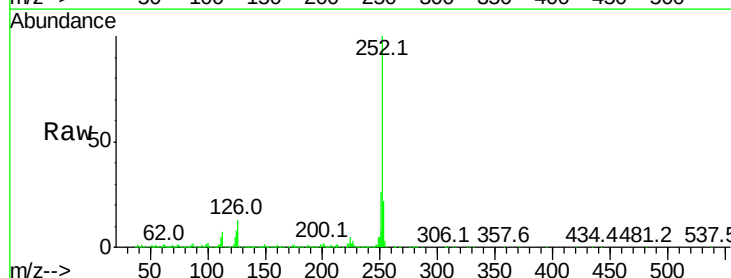
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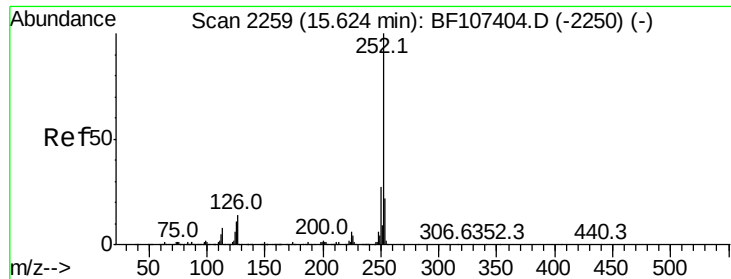
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#88
Benzo(k)fluoranthene
Concen: 28.206 ng
RT: 15.27 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	7.8	10.2	15.2#





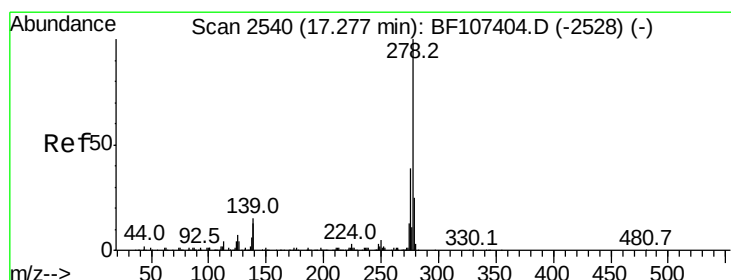
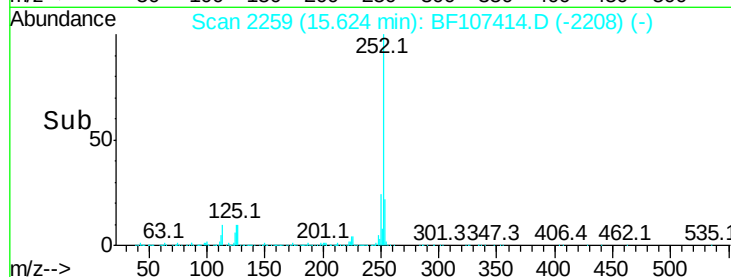
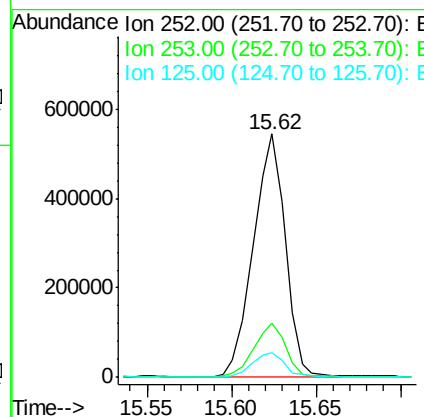
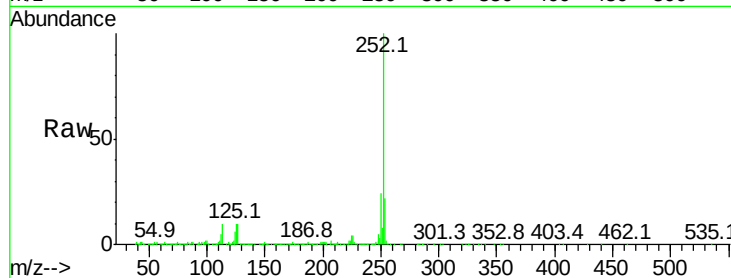
#89
Benzo(a)pyrene
Concen: 30.292 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Instrument :
BNA_F
ClientSampleId :
FK-PS-01-033MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	10.1	9.8	14.6

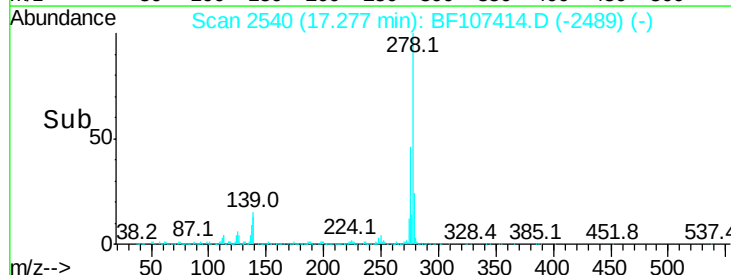
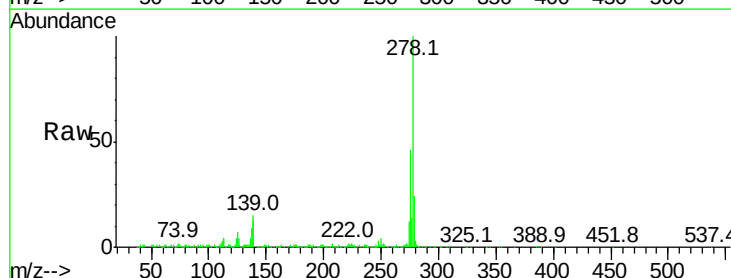
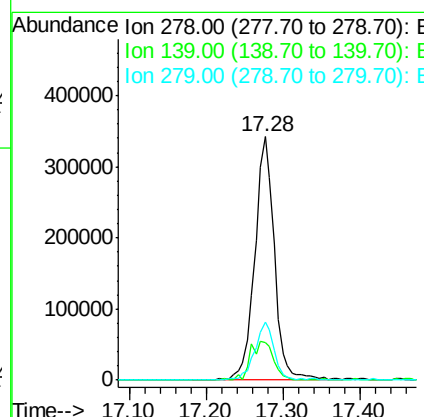
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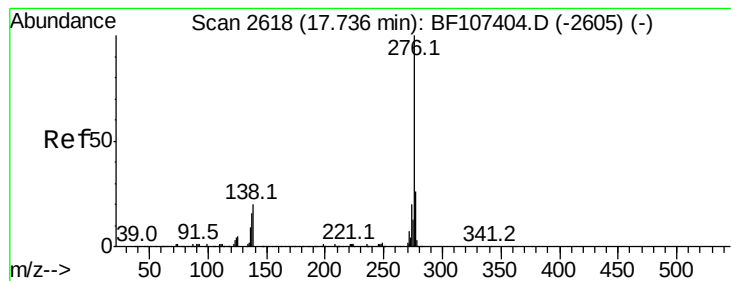
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#90
Dibenzo(a,h)anthracene
Concen: 34.388 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BF107414.D
Acq: 16 Jul 2018 20:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.2	15.9	23.9#
279	23.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 35.328 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.00 min

Lab File: BF107414.D

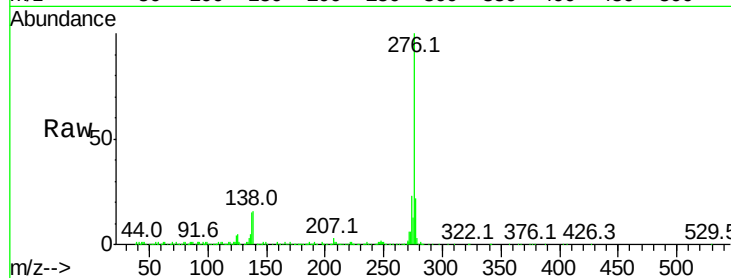
Acq: 16 Jul 2018 20:39

Instrument :

BNA_F

ClientSampleId :

FK-PS-01-033MSD



Tot Ion	Ratio	Lower	Upper
276	100		
277	21.7	17.9	26.9
138	16.1	21.8	32.8#

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