

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095427.D
 Acq On : 25 May 2017 17:11
 Operator : SJ/MA
 Sample : I3343-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-12

Manual Integrations
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Quant Time: May 26 02:25:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	102791	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	407132	20.00	ng	-0.02
38) Acenaphthene-d10	12.61	164	182288	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	288663	20.00	ng	-0.01
75) Chrysene-d12	18.68	240	196195	20.00	ng	-0.02
86) Perylene-d12	20.35	264	183715	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	692627	112.34	ng	-0.03
7) Phenol-d6	7.29	99	869955	117.60	ng	-0.02
23) Nitrobenzene-d5	8.65	82	475343	73.62	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	151027	101.16	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	773643	61.09	ng	-0.02
78) Terphenyl-d14	17.32	244	523435	58.76	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	9.80	128	124088	6.06	ng	99
37) 2-Methylnaphthalene	10.93	142	739986	55.10	ng	99
45) 1,1'-Biphenyl	11.69	154	146161	9.52	ng	98
49) Dimethylphthalate	12.24	163	323131	21.59	ng	# 99
51) Acenaphthene	12.65	154	80798	6.97	ng	99
54) Dibenzofuran	12.95	168	90339	5.63	ng	# 85
57) Fluorene	13.50	166	161829	11.60	ng	# 92
70) Phenanthrene	15.05	178	1123608	67.75	ng	98
71) Anthracene	15.13	178	221123m	13.05	ng	
72) Carbazole	15.42	167	75729	4.91	ng	# 88
74) Fluoranthene	16.79	202	1056375	62.09	ng	99
77) Pylene	17.09	202	892552	60.83	ng	99
80) Benzo(a)anthracene	18.67	228	382860	33.53	ng	98
82) Chrysene	18.71	228	363531	32.93	ng	100
83) Bis(2-ethylhexyl)phthalate	18.72	149	100629	10.35	ng	# 97
85) Indeno(1,2,3-cd)pyrene	21.69	276	195594	21.81	ng	# 90
87) Benzo(b)fluoranthene	19.95	252	463027m	40.79	ng	
88) Benzo(k)fluoranthene	19.97	252	131353m	12.00	ng	
89) Benzo(a)pyrene	20.30	252	340823	32.54	ng	97
90) Dibenzo(a,h)anthracene	21.68	278	46814	5.41	ng	# 92
91) Benzo(g,h,i)perylene	22.08	276	180355	21.24	ng	97

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

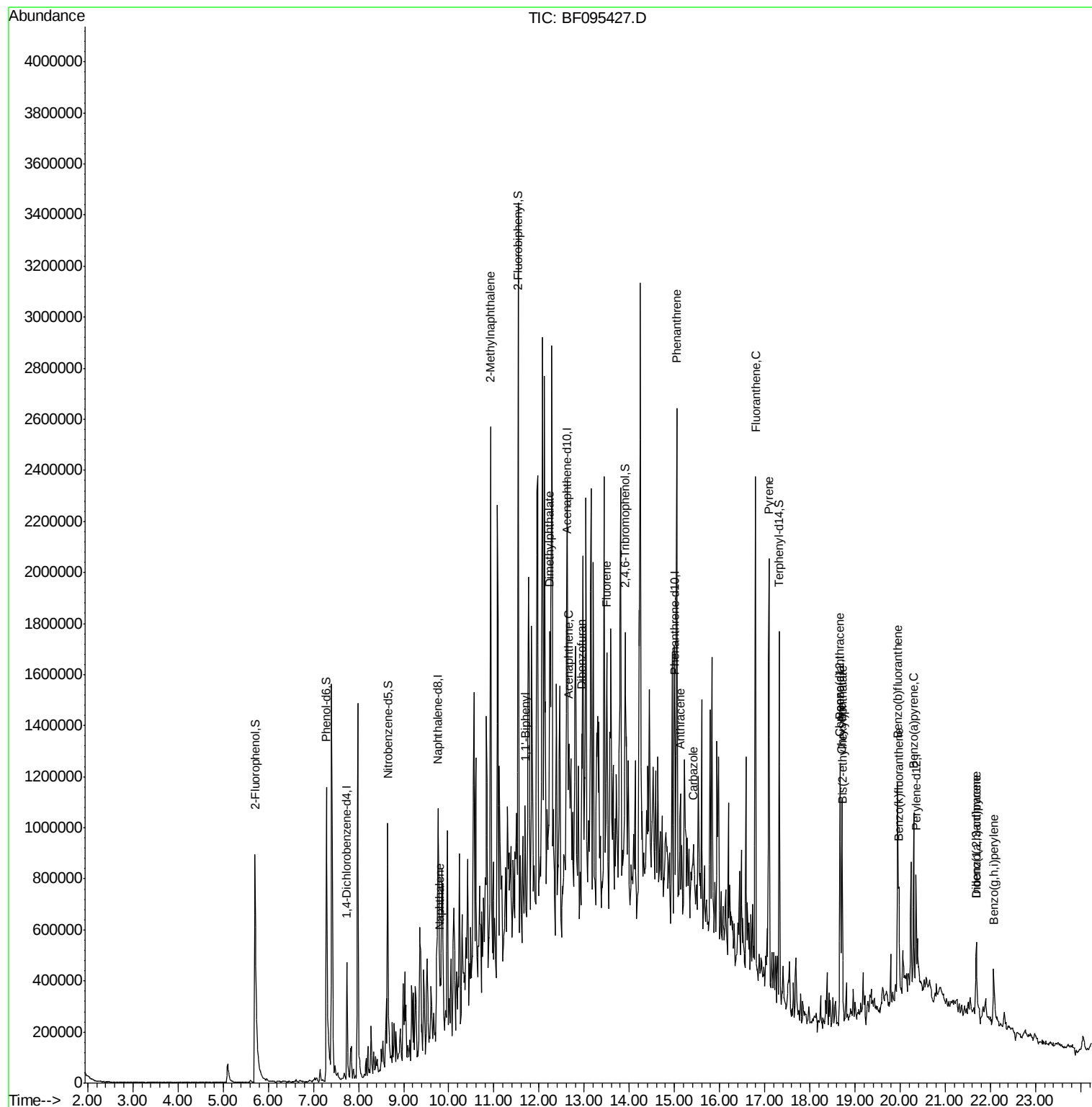
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
Data File : BF095427.D
Acq On : 25 May 2017 17:11
Operator : SJ/MA
Sample : I3343-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

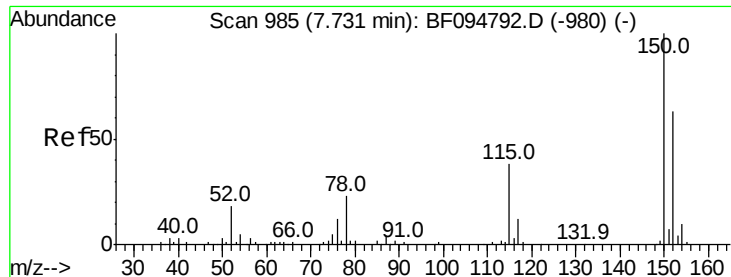
Instrument :
BNA_F
ClientSampled :
PE-12

Quant Time: May 26 02:25:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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QLast Update : Thu May 18 17:07:53 2017
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#1

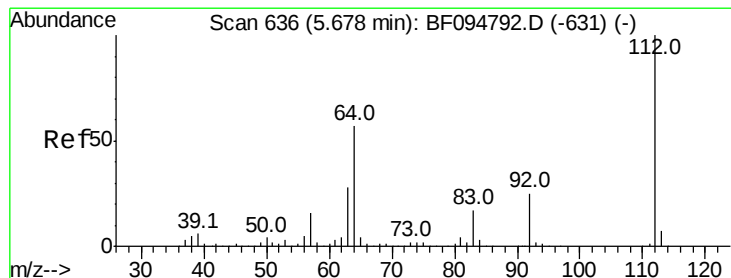
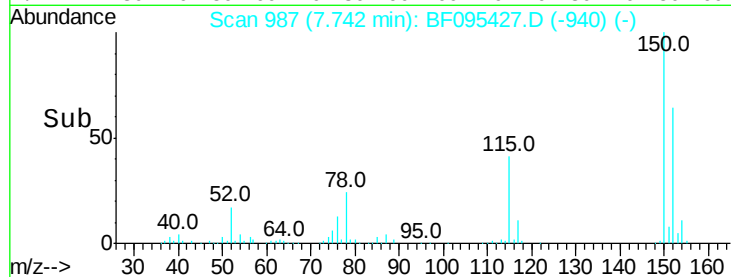
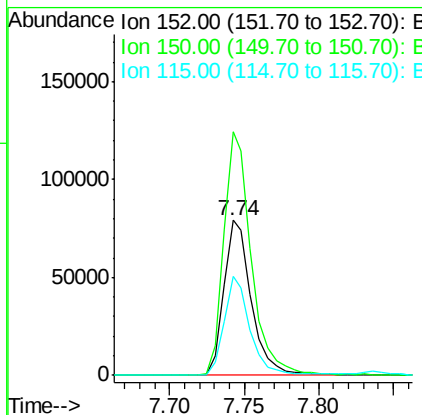
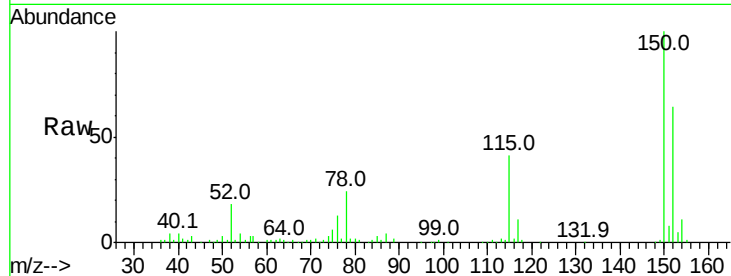
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampleId :
PE-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	64.4	52.2	78.2

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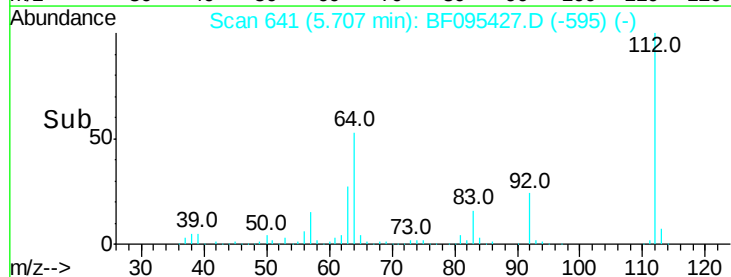
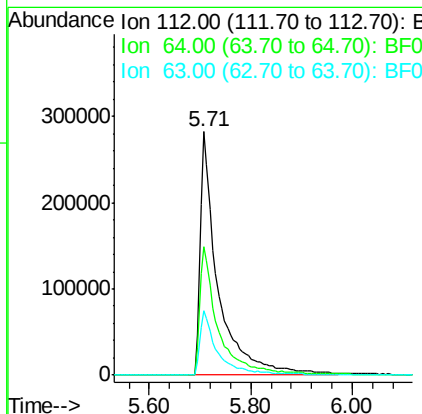
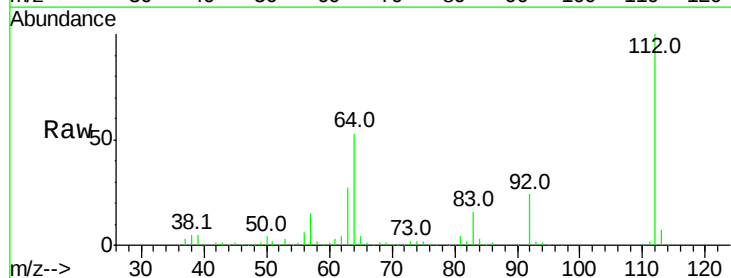
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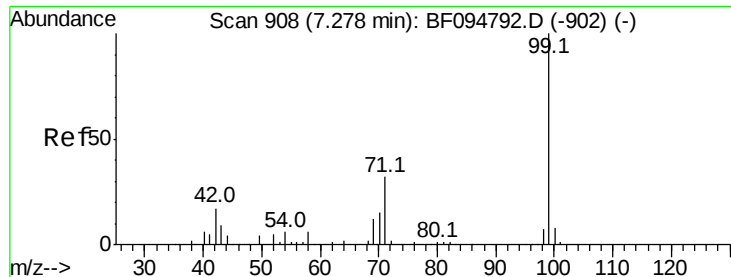


#5

2-Fluorophenol
Concen: 112.34 ng
RT: 5.71 min Scan# 641
Delta R.T. -0.03 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 117.60 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

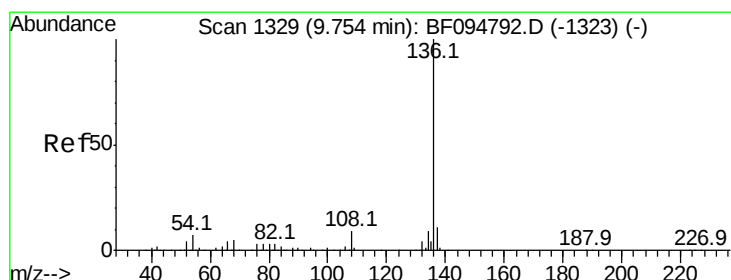
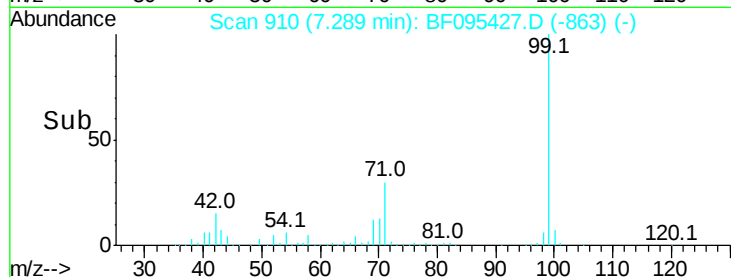
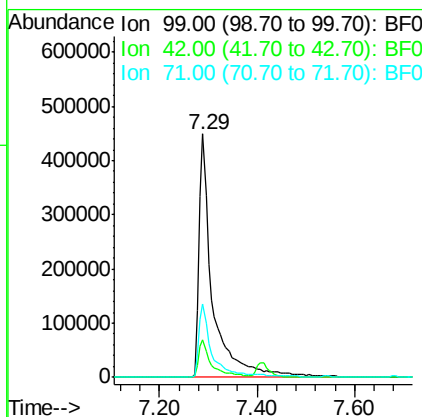
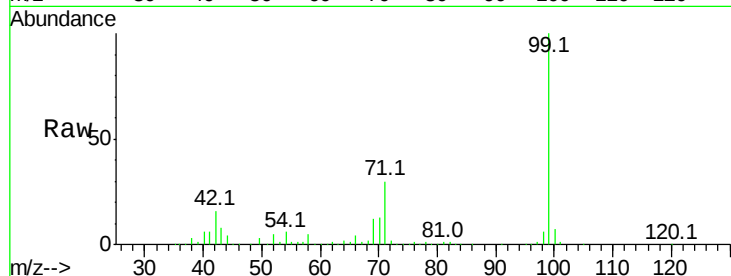
ClientSampleId :

PE-12

Tot Ion:	99	Resp:	869955
Ion Ratio	Lower	Upper	
99	100		
42	15.5	13.5	20.3
71	30.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

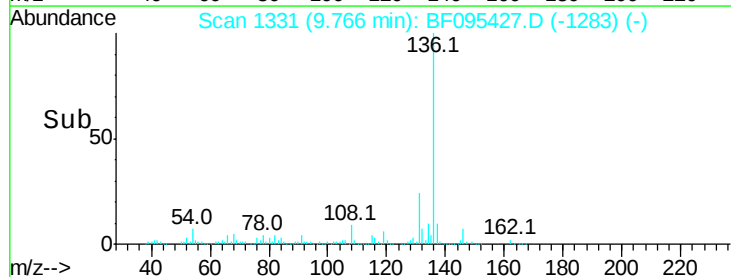
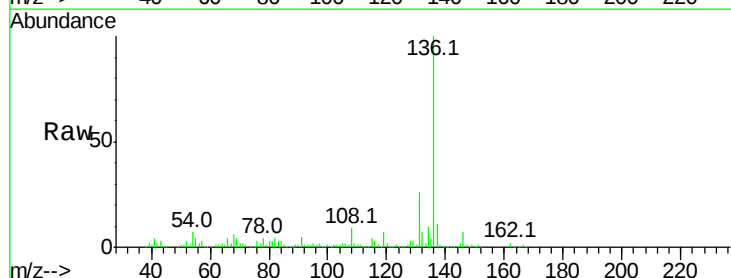
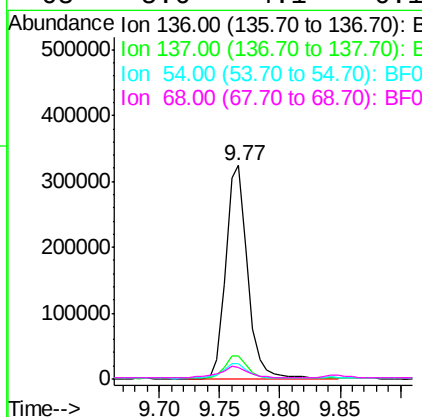
RT: 9.77 min Scan# 1331

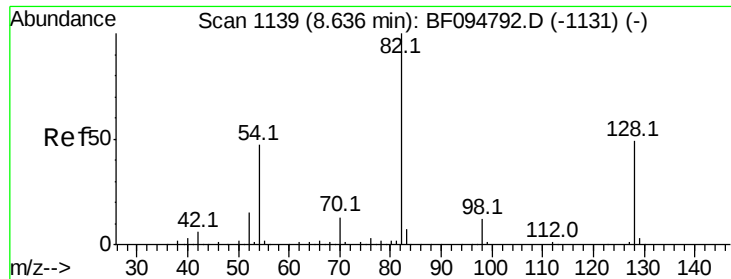
Delta R.T. -0.02 min

Lab File: BF095427.D

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Tgt Ion:	136	Resp:	407132
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	7.0	4.9	7.3
68	5.6	4.1	6.1





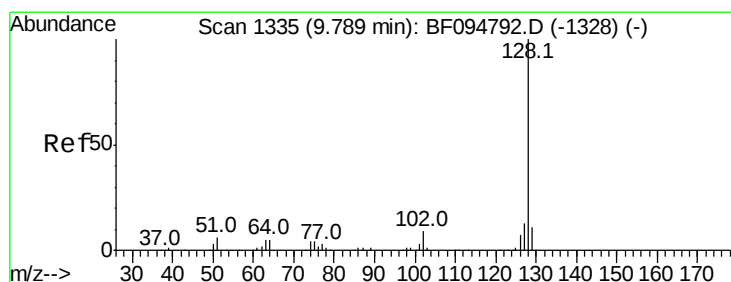
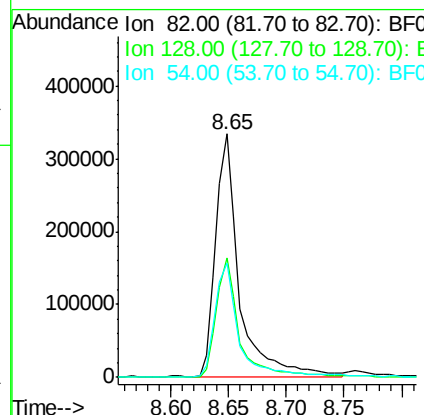
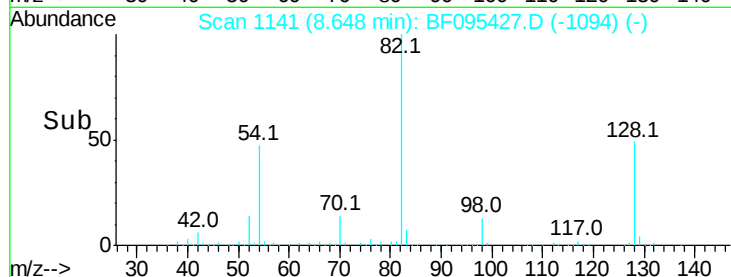
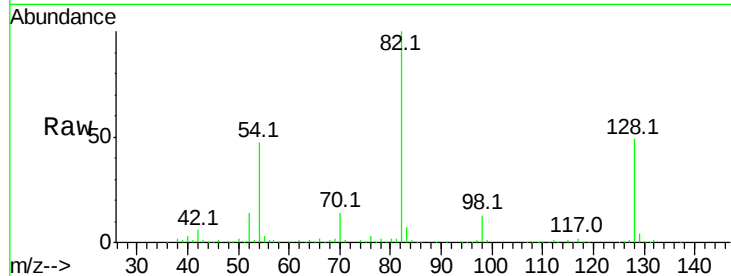
#23
Nitrobenzene-d5
Concen: 73.62 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampled :
PE-12

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	34.0	51.0	
54	46.9	42.2	63.2	

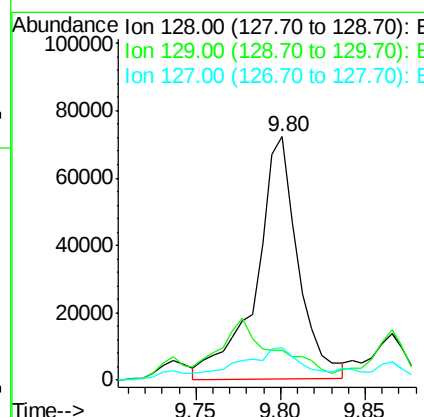
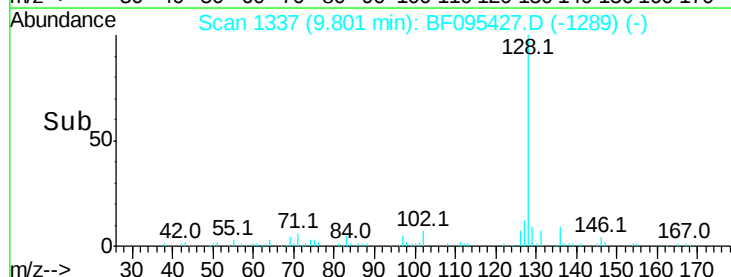
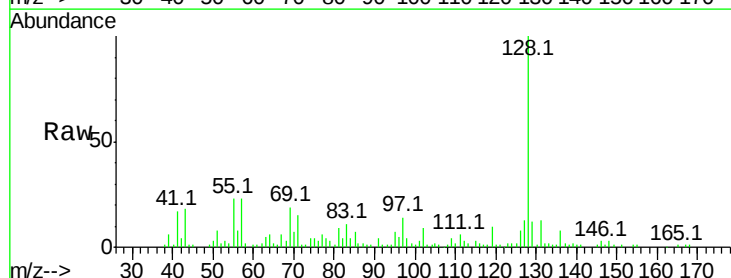
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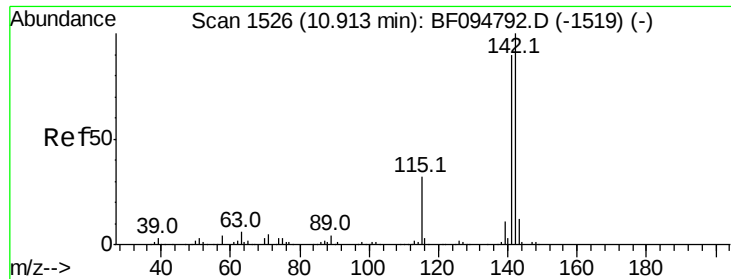
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#31
Naphthalene
Concen: 6.06 ng
RT: 9.80 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF095427.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	12.1	9.0	13.6	
127	13.2	10.8	16.2	





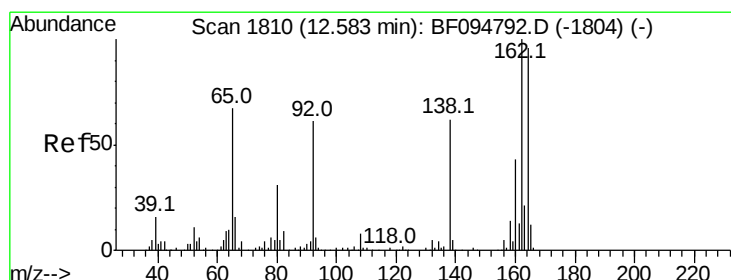
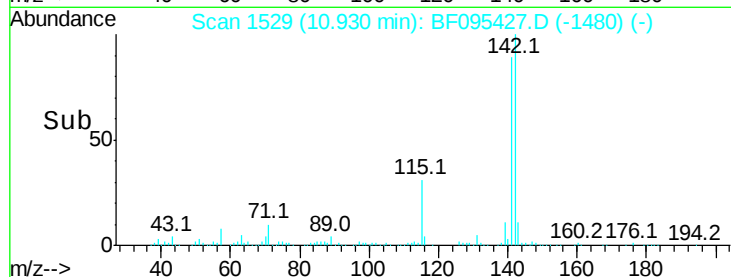
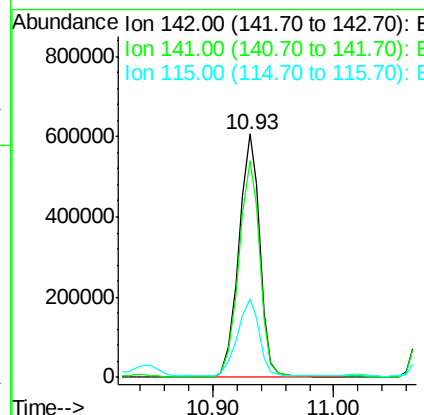
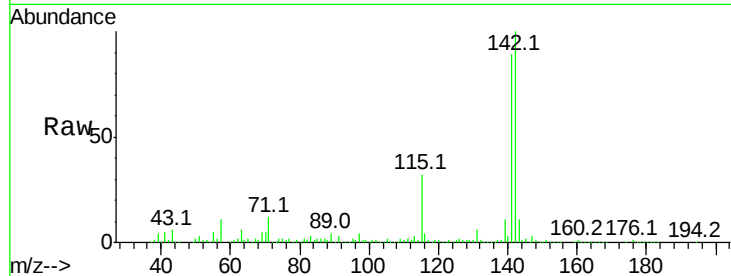
#37
2-Methylnaphthalene
Concen: 55.10 ng
RT: 10.93 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampleId :
PE-12

Tot Ion	Ratio	Resp	Lower	Upper
142	100	739986		
141	89.3		71.3	106.9
115	32.0		27.1	40.7

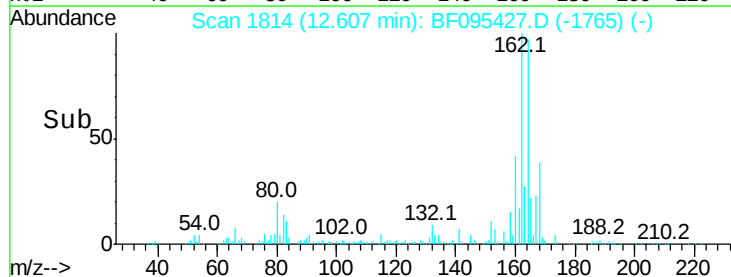
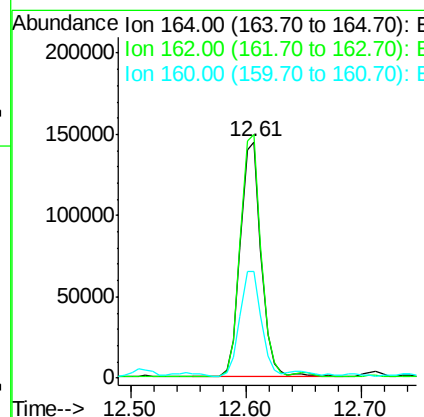
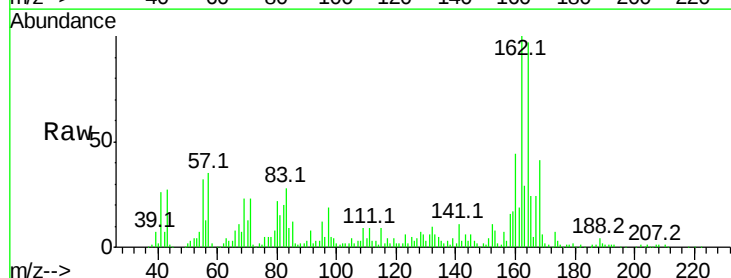
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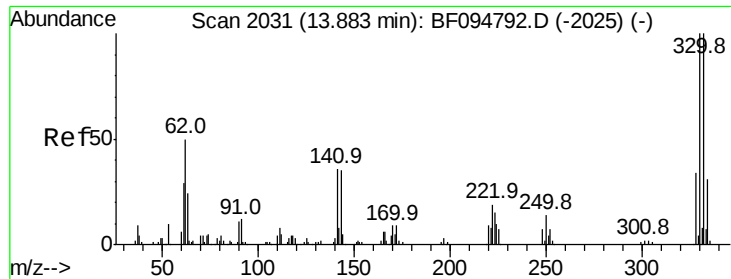
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	182288		
162	103.2		82.6	123.8
160	45.2		36.2	54.2





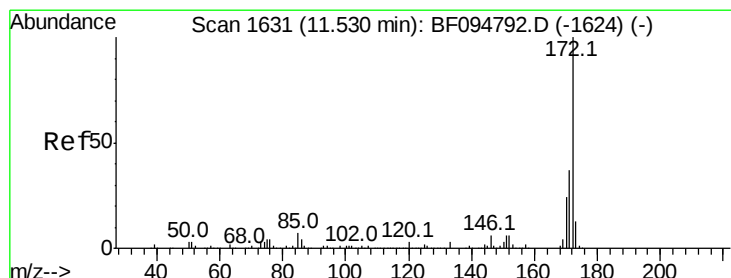
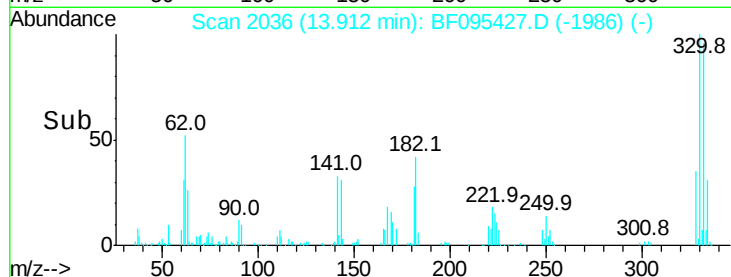
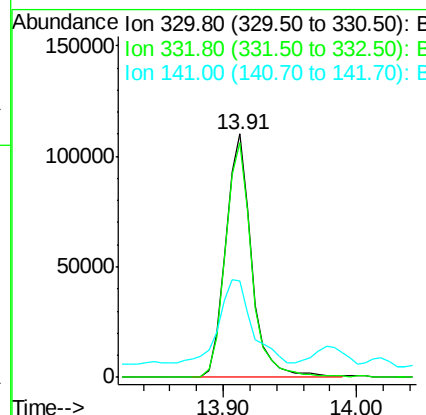
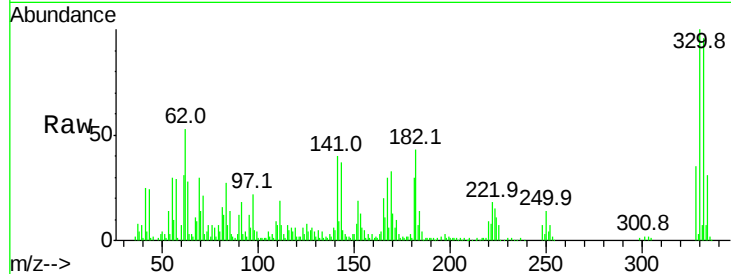
#41
 2,4,6-Tribromophenol
 Concen: 101.16 ng
 RT: 13.91 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampled :
 PE-12

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.2	76.6	115.0	
141	48.5	31.4	47.2	

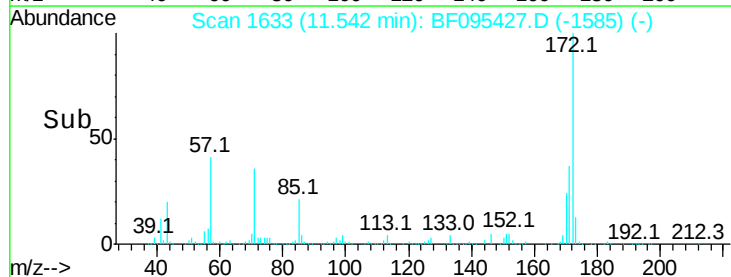
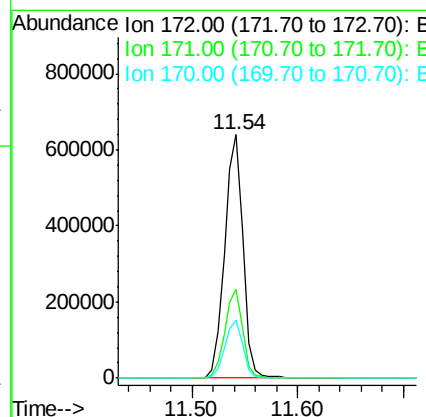
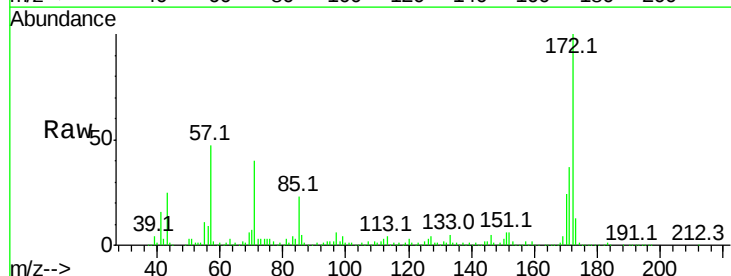
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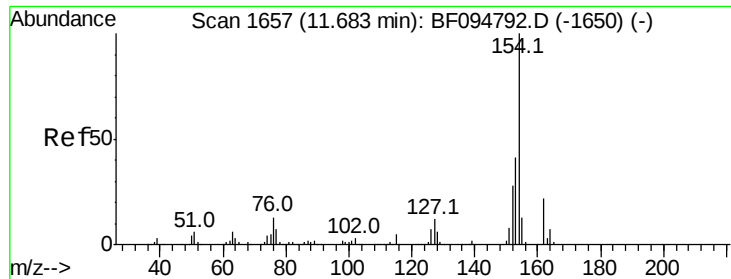
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#44
 2-Fluorobiphenyl
 Concen: 61.09 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	29.6	44.4	
170	23.8	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 9.52 ng

RT: 11.69 min Scan# 1659

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

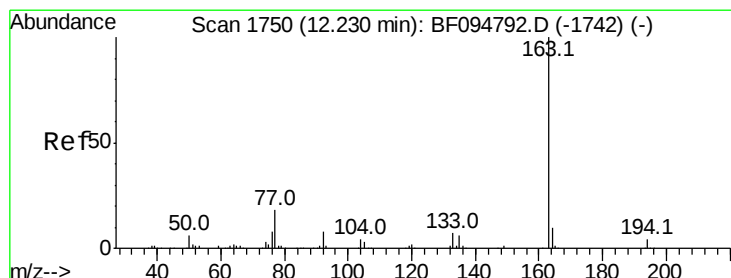
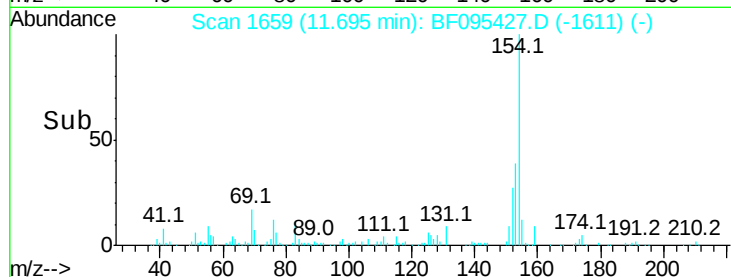
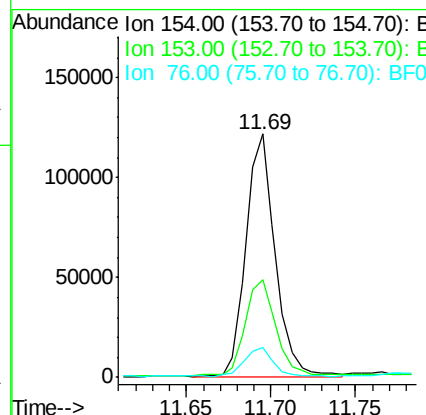
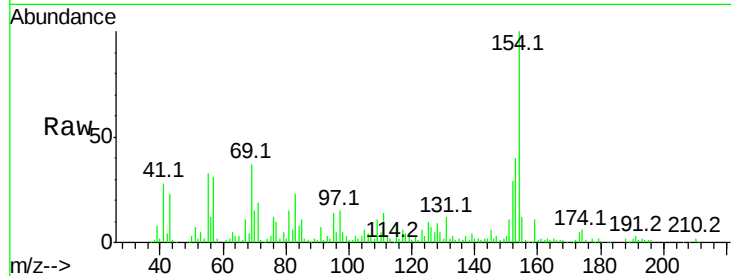
ClientSampleId :

PE-12

Tot Ion:	154	Resp:	146161
Ion Ratio	Lower	Upper	
154	100		
153	40.3	21.2	61.2
76	12.4	0.0	29.9

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#49

Dimethylphthalate

Concen: 21.59 ng

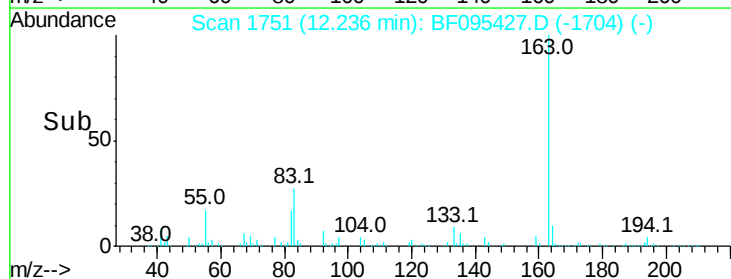
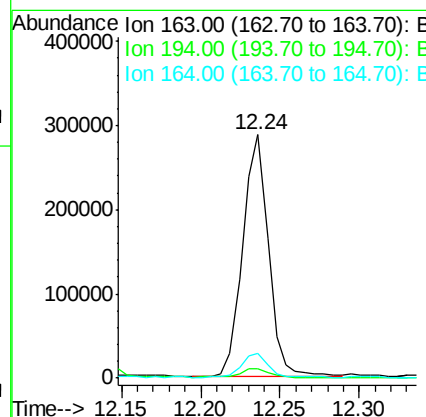
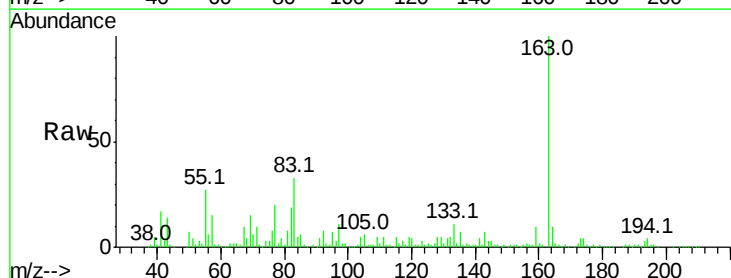
RT: 12.24 min Scan# 1751

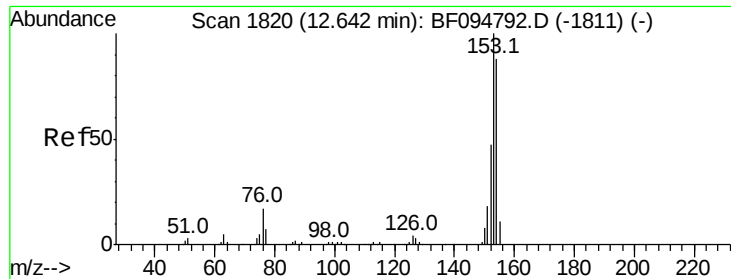
Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	163	Resp:	323131
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.6	4.0#
164	10.4	8.4	12.6





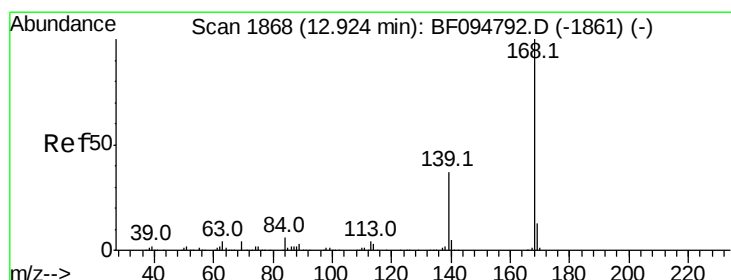
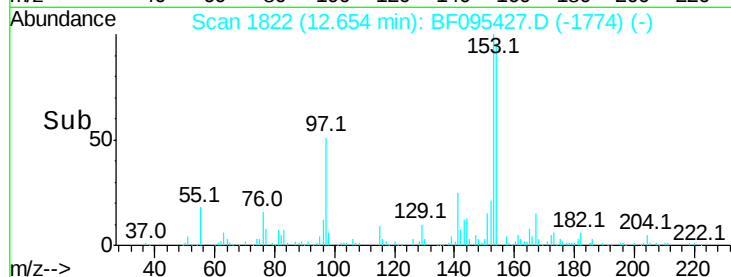
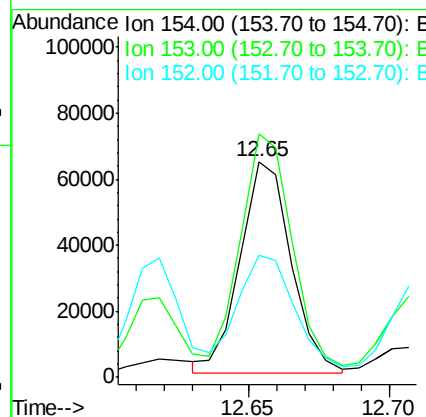
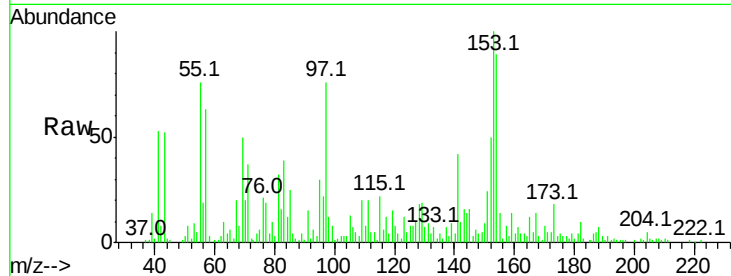
#51
Acenaphthene
Concen: 6.97 ng
RT: 12.65 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampled :
PE-12

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	56.5	43.6	65.4

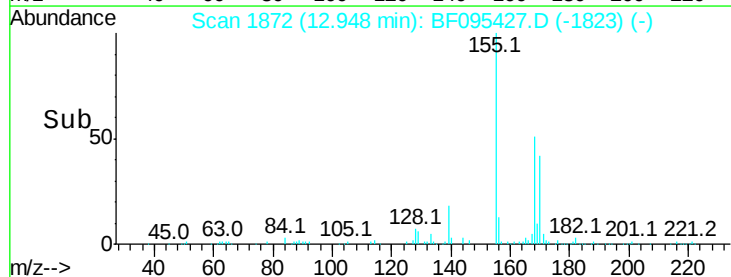
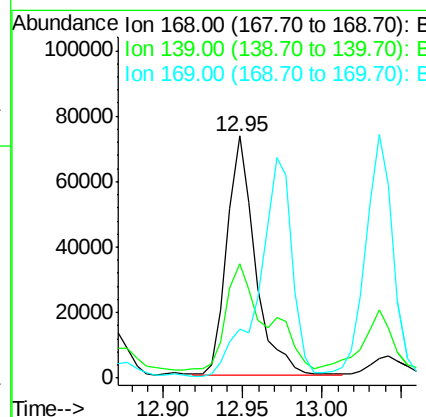
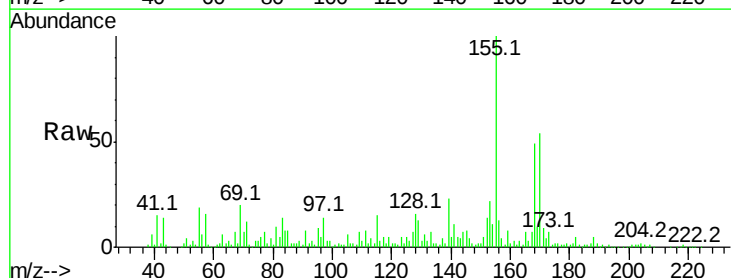
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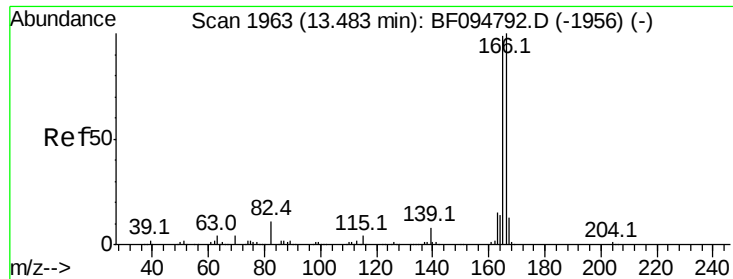
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#54
Dibenzofuran
Concen: 5.63 ng
RT: 12.95 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
168	100		
139	47.0	30.6	45.8#
169	20.1	10.8	16.2#





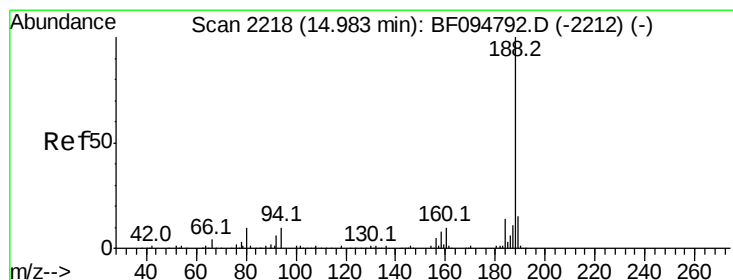
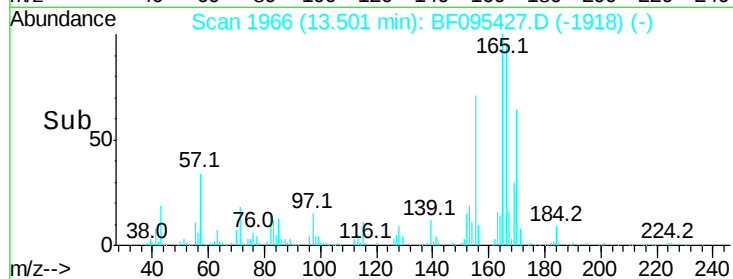
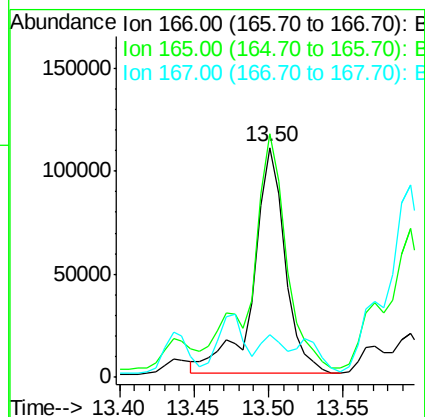
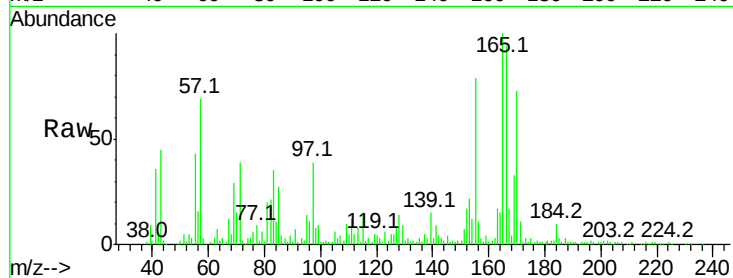
#57
Fluorene
 Concen: 11.60 ng
 RT: 13.50 min Scan# 1966
 Delta R.T. -0.02 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-12

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.0	78.8	118.2
167	18.5	10.6	16.0

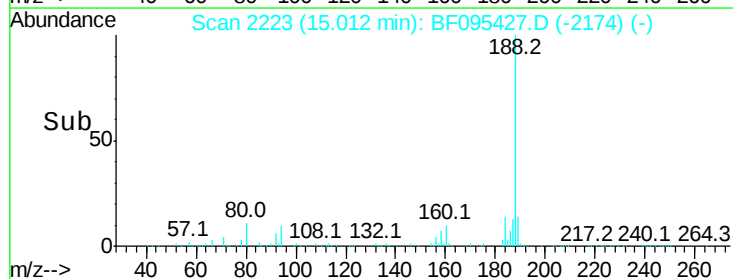
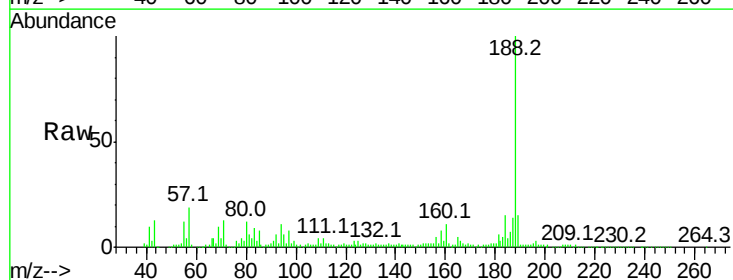
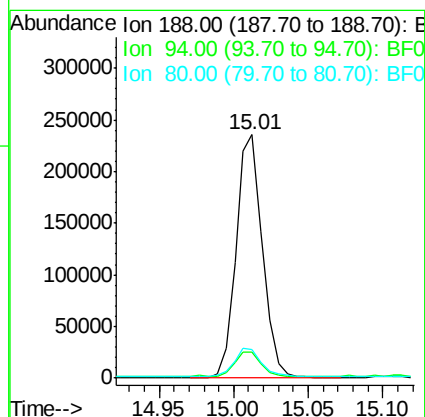
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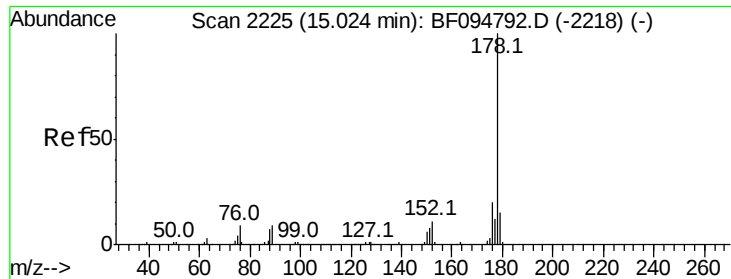
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.6	10.2	15.2





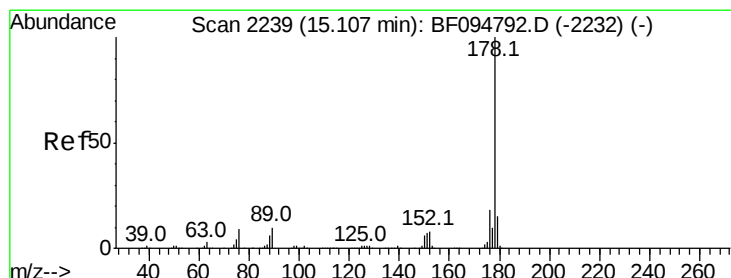
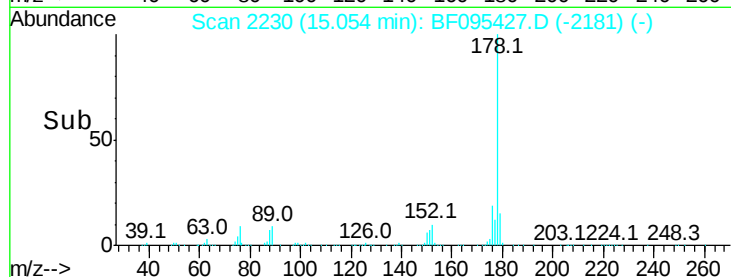
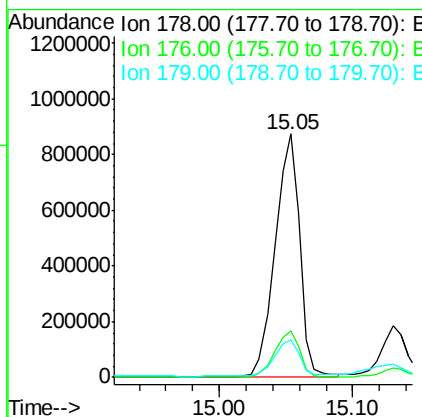
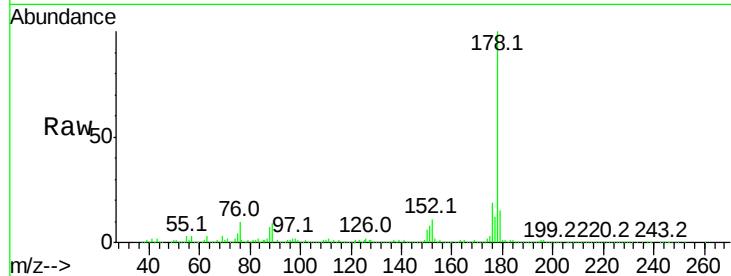
#70
Phenanthrene
Concen: 67.75 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampled :
PE-12

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.5	12.6	19.0

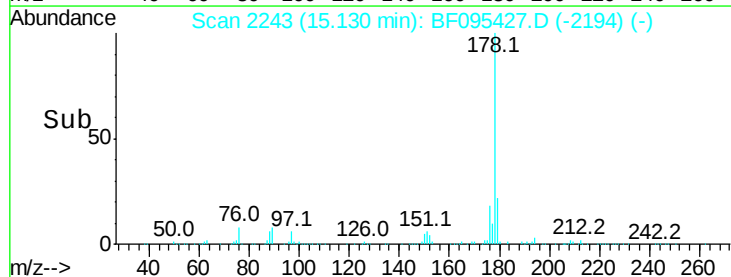
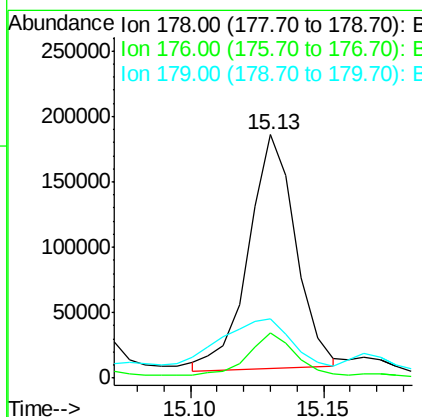
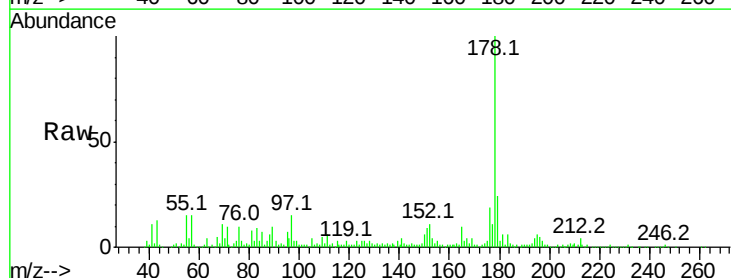
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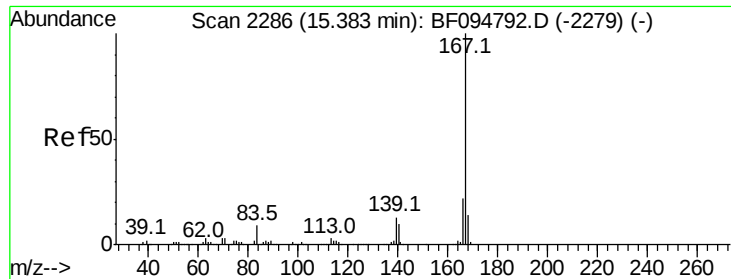
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#71
Anthracene
Concen: 13.05 ng m
RT: 15.13 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	24.3	12.7	19.1#





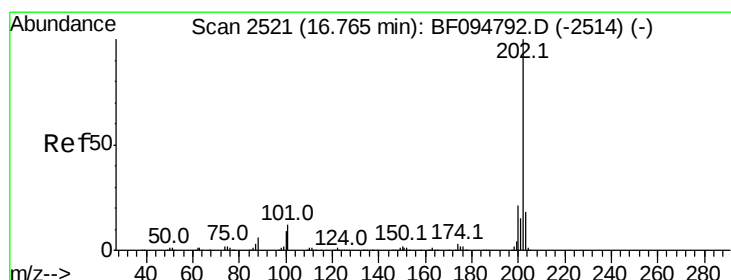
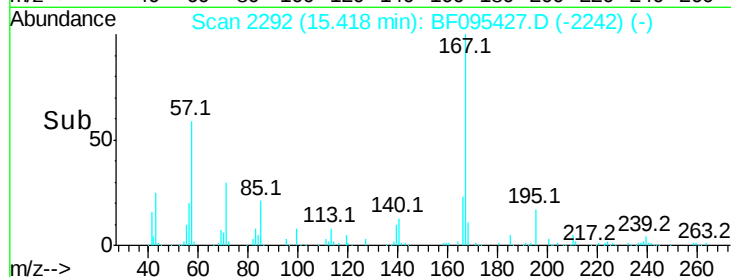
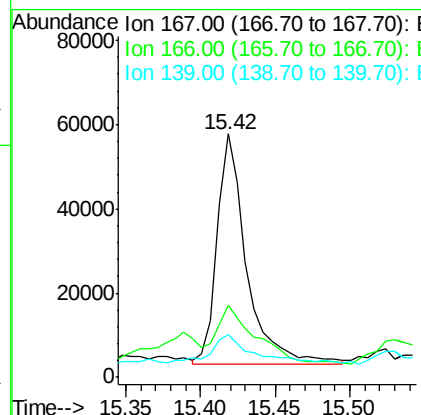
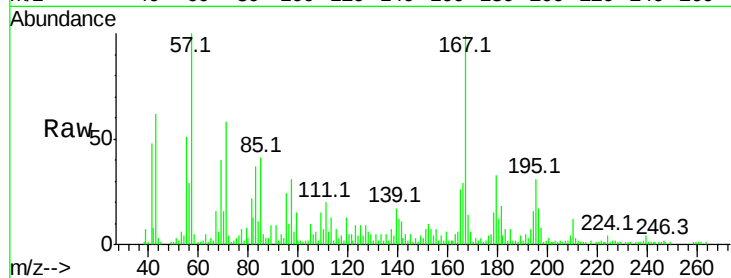
#72
 Carbazole
 Concen: 4.91 ng
 RT: 15.42 min Scan# 2292
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampled :
 PE-12

Tot Ion	Ratio	Lower	Upper
167	100		
166	29.8	18.1	27.1#
139	17.7	11.7	17.5#

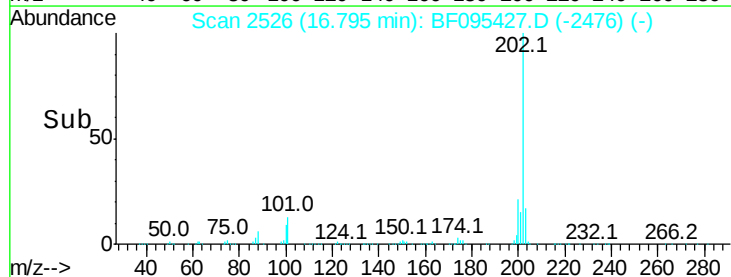
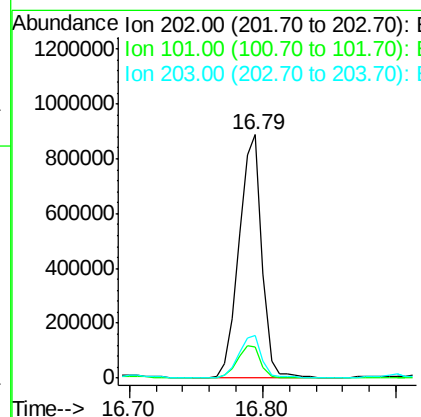
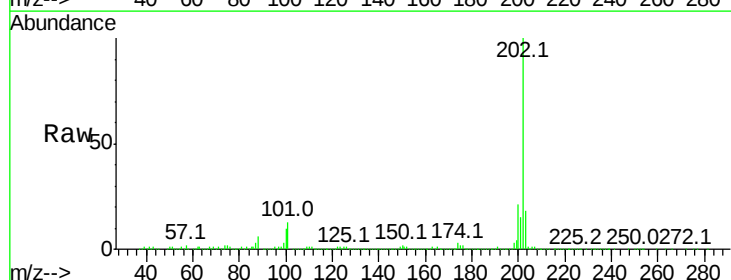
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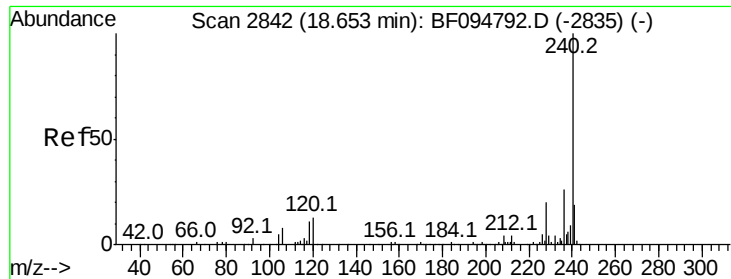
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#74
 Fluoranthene
 Concen: 62.09 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

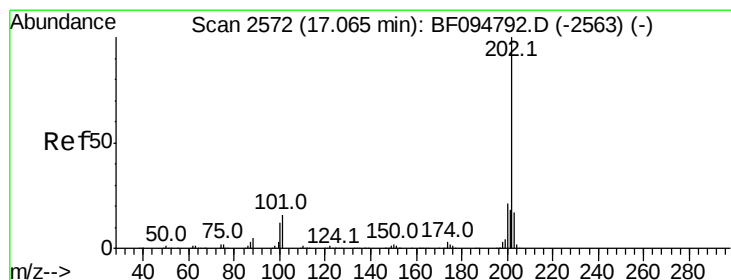
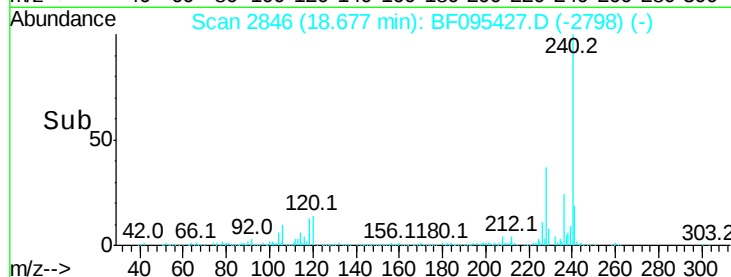
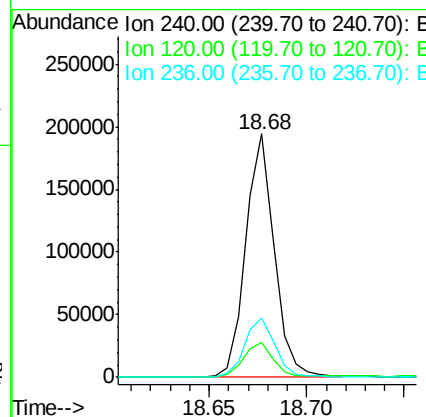
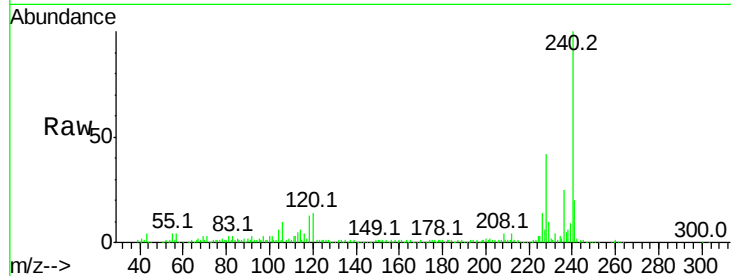
ClientSampled :

PE-12

Tot Ion:	240	Resp:	196195
Ion Ratio	Lower	Upper	
240	100		
120	14.2	5.8	8.8#
236	24.6	20.5	30.7

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#77

Pyrene

Concen: 60.83 ng

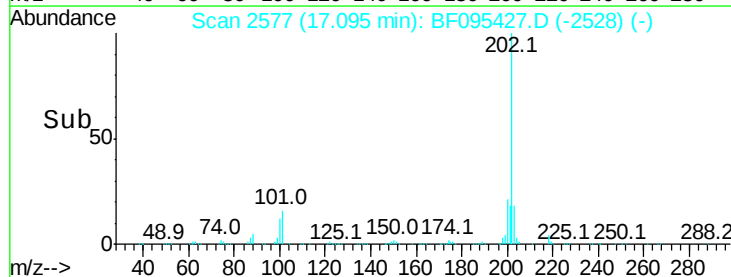
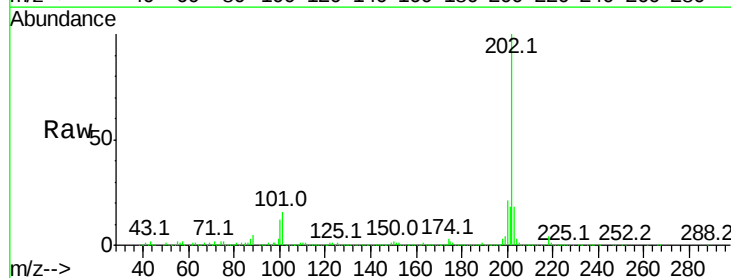
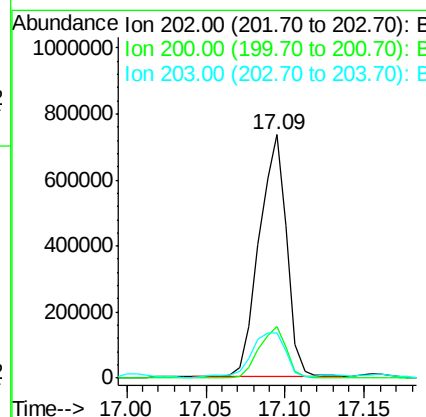
RT: 17.09 min Scan# 2577

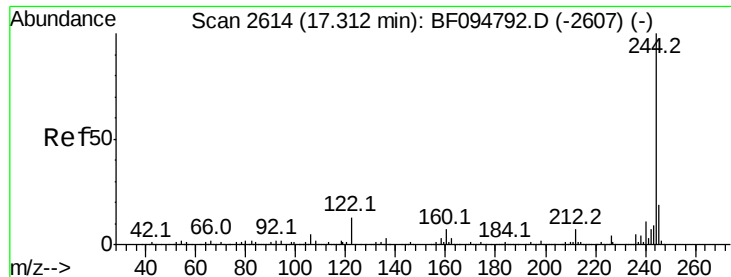
Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	202	Resp:	892552
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.6	26.4
203	18.3	14.4	21.6





#78

Terphenyl-d14

Concen: 58.76 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

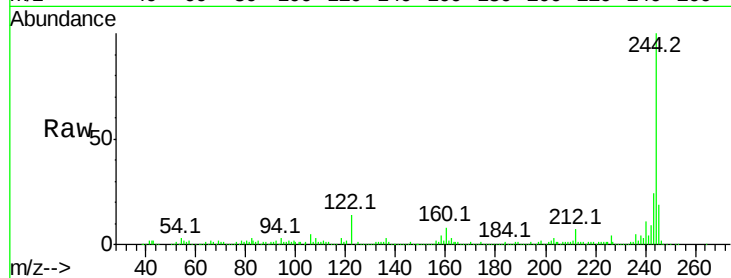
ClientSampleId :

PE-12

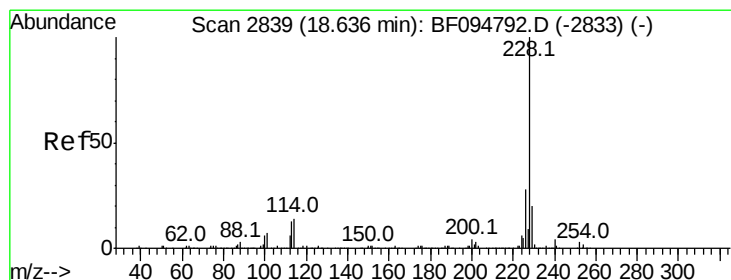
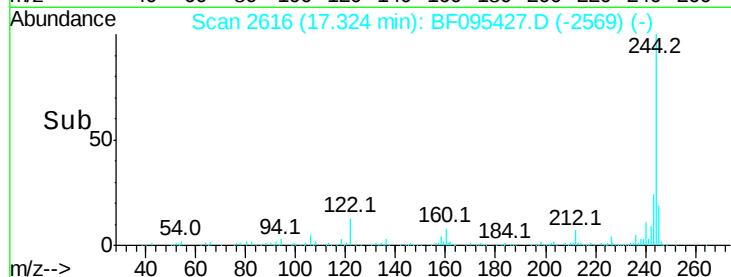
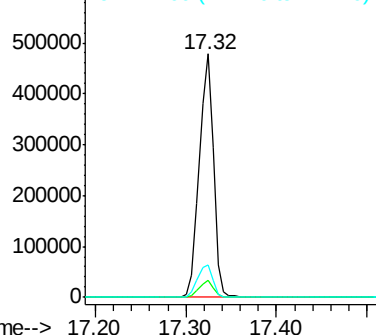
Tot Ion:	244	Resp:	523435
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	13.6	10.3	15.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 33.53 ng

RT: 18.67 min Scan# 2844

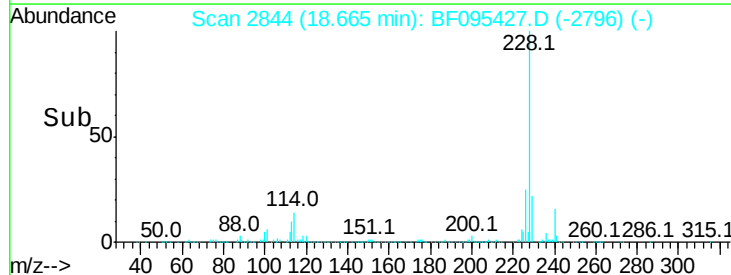
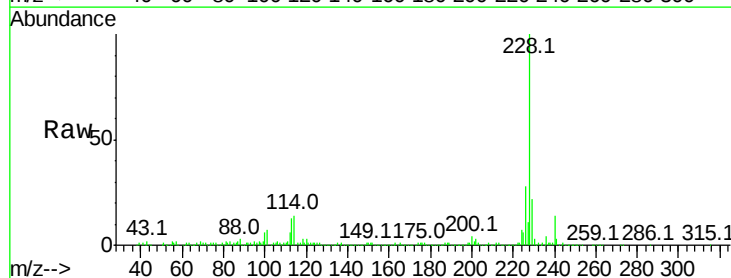
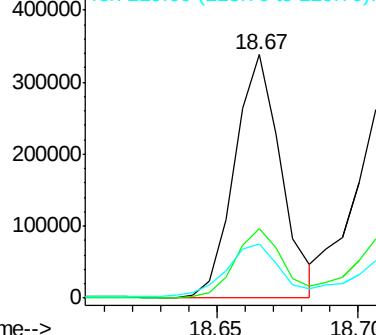
Delta R.T. -0.02 min

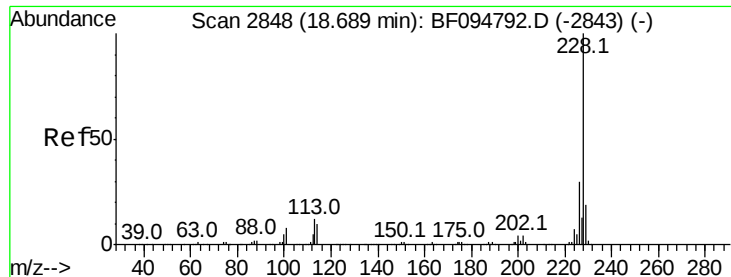
Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	228	Resp:	382860
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.6	33.8
229	22.5	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 32.93 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

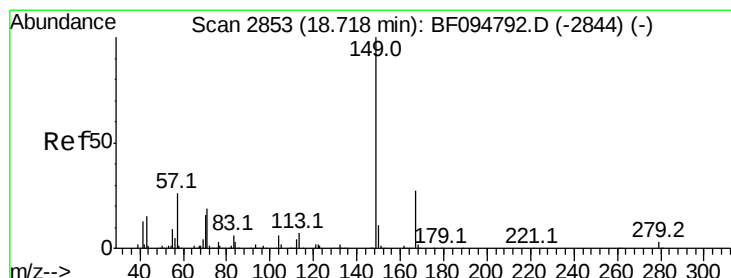
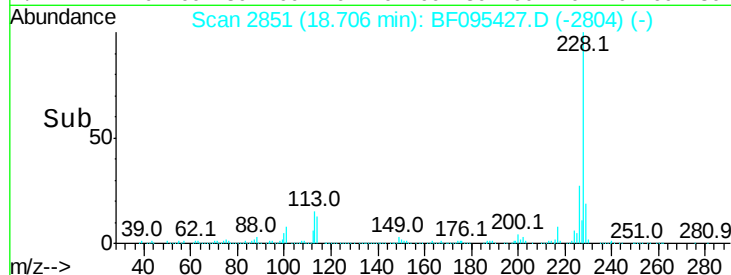
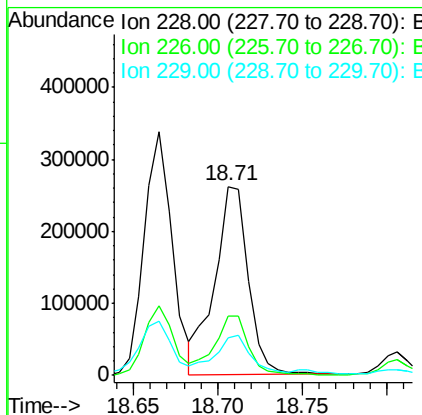
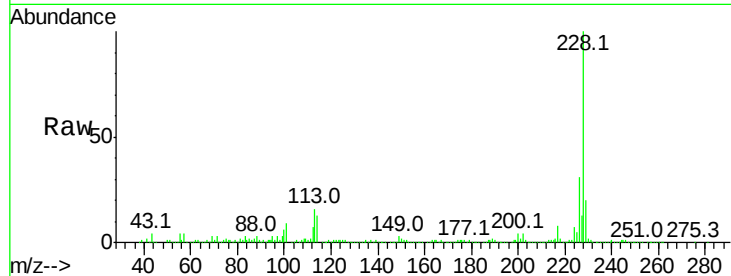
ClientSampled :

PE-12

Tot Ion:	228	Resp:	363531
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	20.0	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 10.35 ng

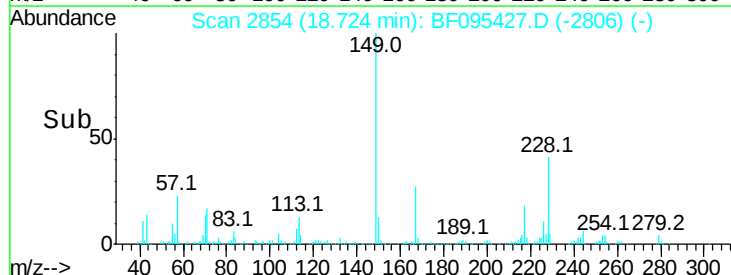
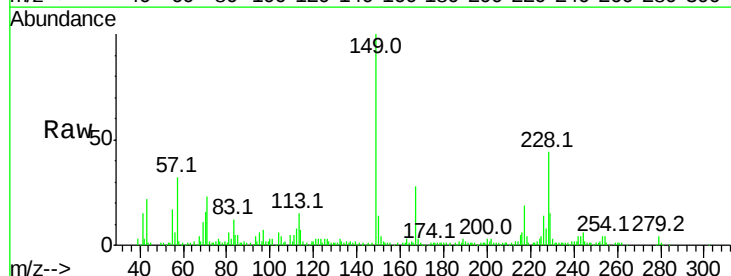
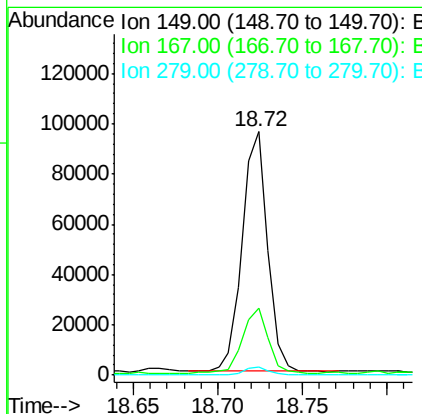
RT: 18.72 min Scan# 2854

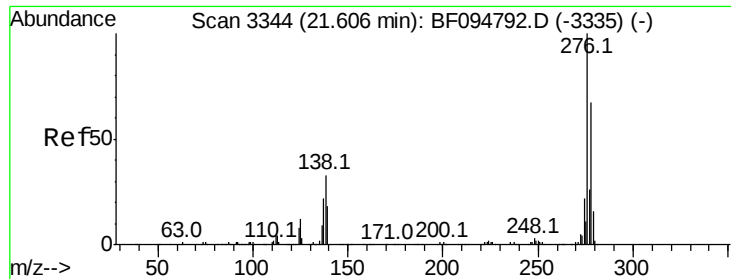
Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	149	Resp:	100629
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.0	31.4
279	3.5	1.9	2.9#





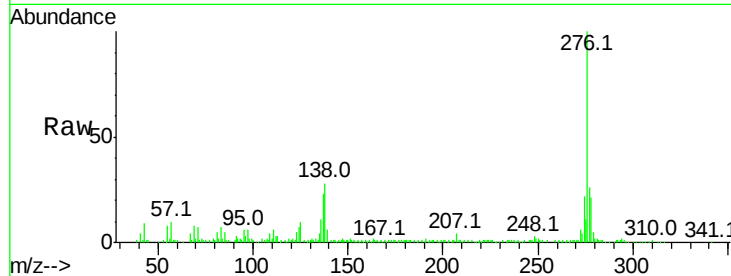
#85
Indeno(1,2,3-cd)pyrene
Concen: 21.81 ng
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampled :
PE-12

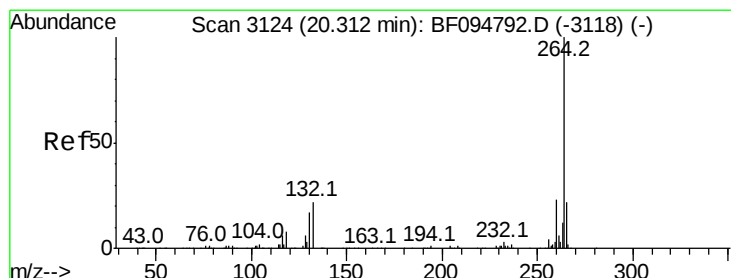
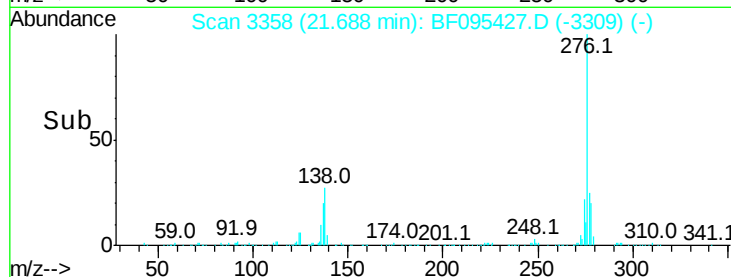
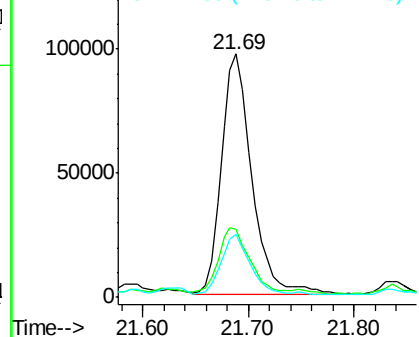
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	27.8	41.6#
277	22.8	20.2	30.4

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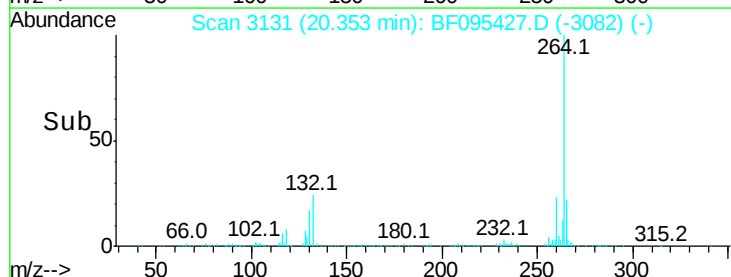
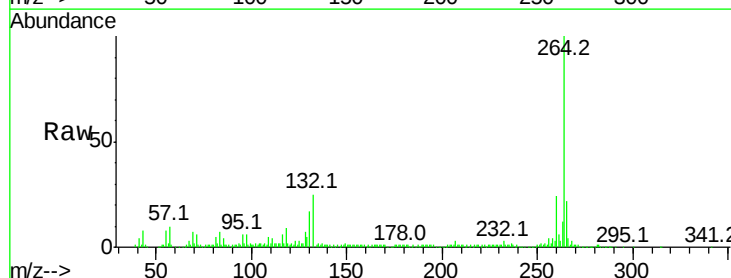
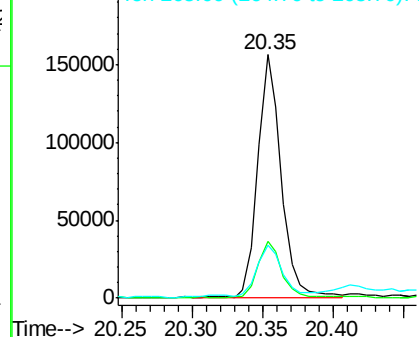
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

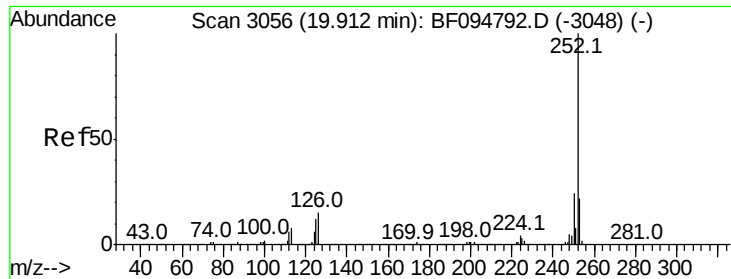


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 40.79 ng m

RT: 19.95 min Scan# 3062

Delta R.T. -0.01 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Instrument :

BNA_F

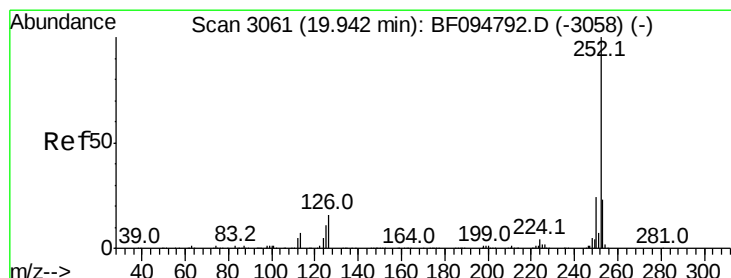
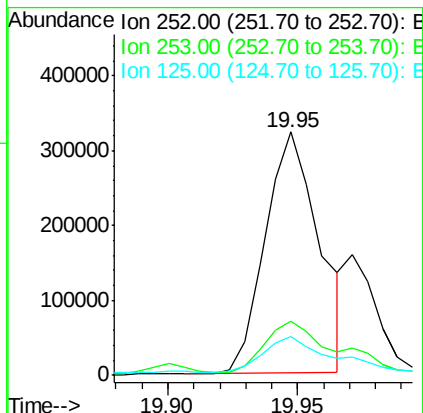
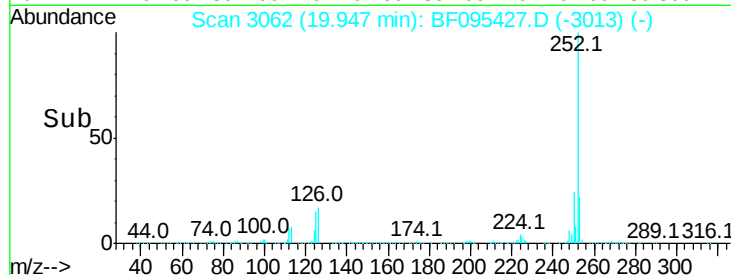
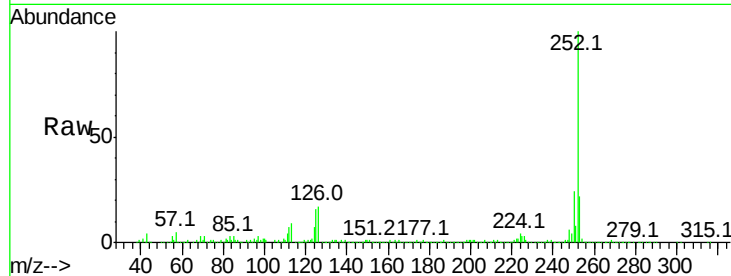
ClientSampleId :

PE-12

Tot Ion:	252	Resp:	463027
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.9	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 12.00 ng m

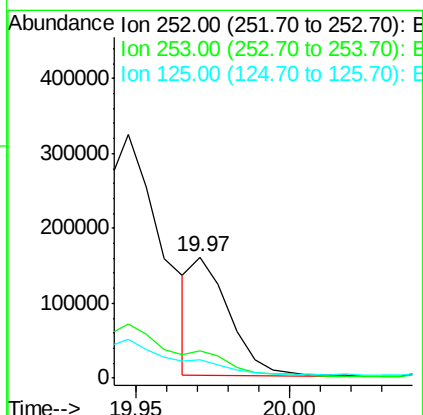
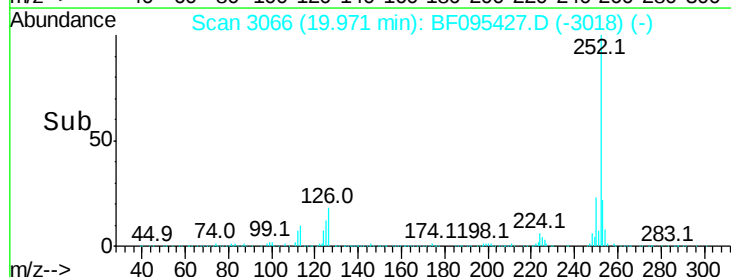
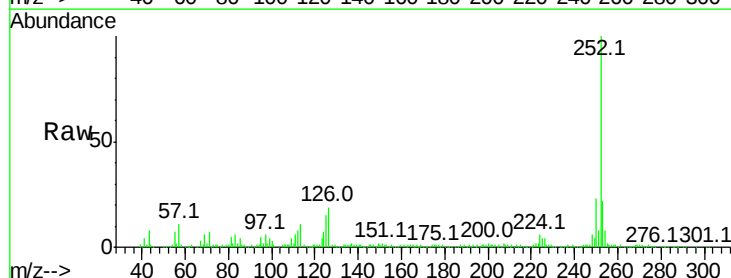
RT: 19.97 min Scan# 3066

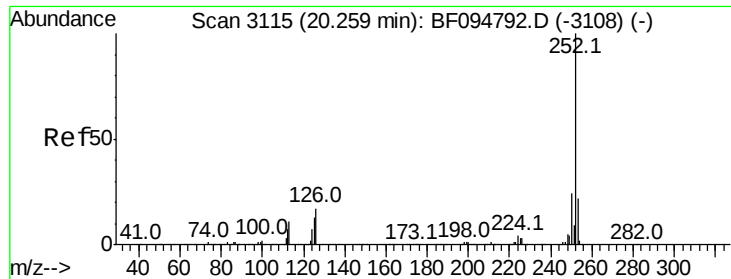
Delta R.T. -0.02 min

Lab File: BF095427.D

Acq: 25 May 2017 17:11

Tgt Ion:	252	Resp:	131353
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.4	27.6
125	15.0	13.1	19.7





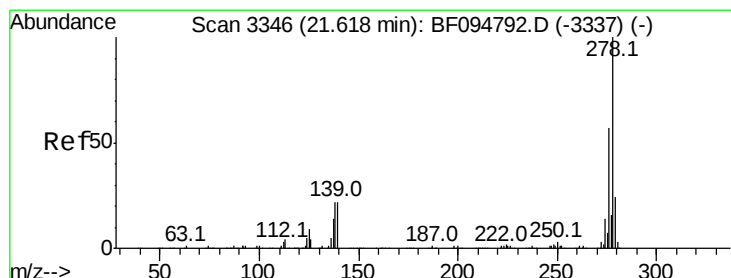
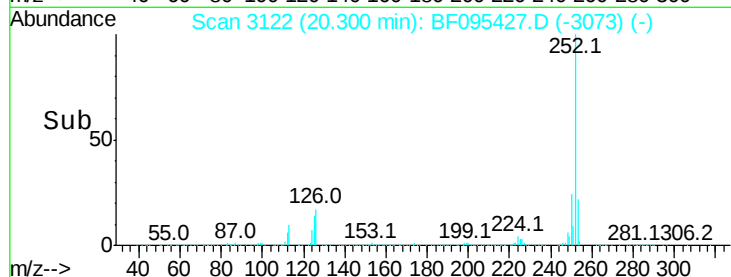
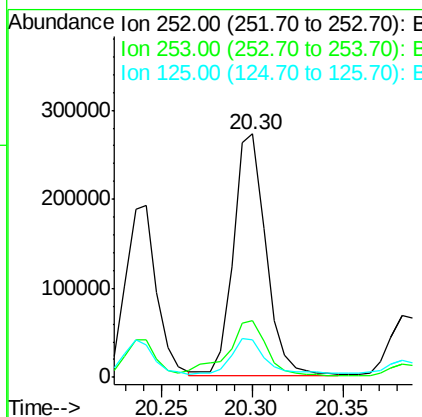
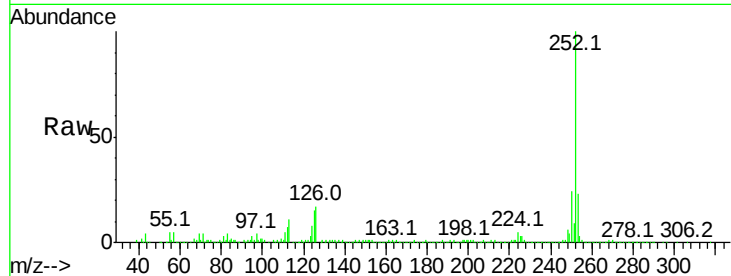
#89
Benzo(a)pyrene
Concen: 32.54 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Instrument :
BNA_F
ClientSampled :
PE-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	15.2	11.0	16.4

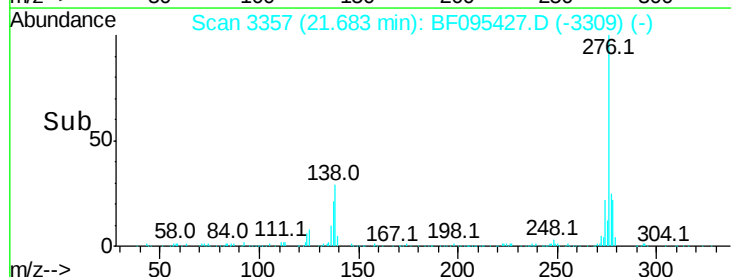
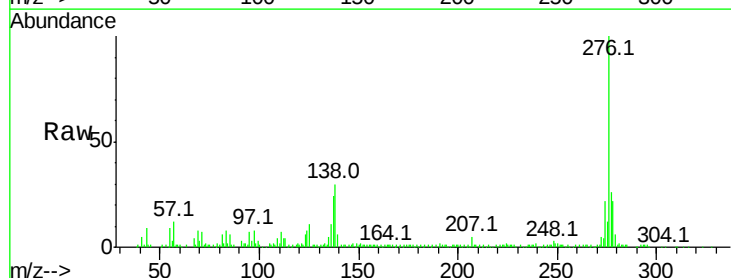
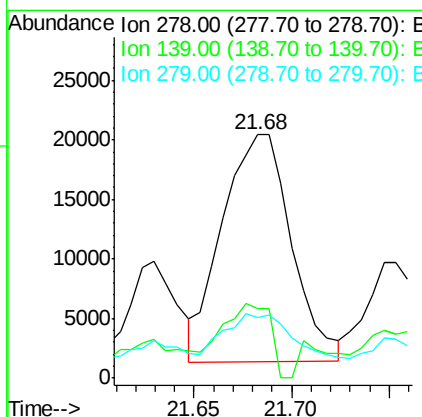
Manual Integrations
APPROVED

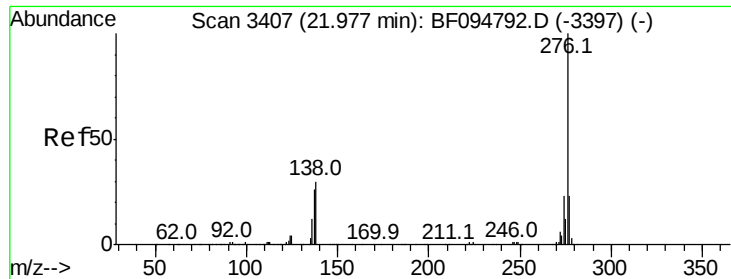
mohammad
5/26/2017 1:25:52 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.41 ng
RT: 21.68 min Scan# 3357
Delta R.T. -0.02 min
Lab File: BF095427.D
Acq: 25 May 2017 17:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.6	24.8#
279	24.7	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 21.24 ng
 RT: 22.08 min Scan# 3424
 Delta R.T. -0.01 min
 Lab File: BF095427.D
 Acq: 25 May 2017 17:11

Instrument :
 BNA_F
 ClientSampleId :
 PE-12

Tot Ion:	276	Resp:	180355
Ion Ratio		Lower	Upper
276	100		
277	24.9	18.6	28.0
138	30.5	25.4	38.0

Manual Integrations
 APPROVED

mohammad
 5/26/2017 1:25:52 PM

