

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099420.D
 Acq On : 13 Oct 2017 3:01
 Operator : SJ/JU
 Sample : I5763-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 220-2(2TRH)-COMP

Manual Integrations
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 10/15/2017 12:26:07 PM

Quant Time: Oct 13 05:56:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112059	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	431750	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	159152	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	257345	20.00	ng	0.00
75) Chrysene-d12	14.02	240	210788	20.00	ng	0.00
86) Perylene-d12	15.50	264	160533	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	627656	89.16	ng	0.01
7) Phenol-d6	6.49	99	754994	86.94	ng	0.00
23) Nitrobenzene-d5	7.42	82	444512	66.03	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	109145	83.81	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	629993	66.08	ng	0.00
78) Terphenyl-d14	12.96	244	475489	51.30	ng	0.00
Target Compounds						
31) Naphthalene	8.16	128	43403	2.140	ng	Qvalue 100
37) 2-Methylnaphthalene	8.85	142	32110	2.436	ng	99
49) Dimethylphthalate	9.60	163	157859	13.142	ng	99
51) Acenaphthene	9.92	154	28213	2.833	ng	96
57) Fluorene	10.43	166	29767	2.793	ng	97
70) Phenanthrene	11.40	178	394829	28.663	ng	98
71) Anthracene	11.45	178	114150	8.099	ng	98
72) Carbazole	11.61	167	43170	3.128	ng	96
74) Fluoranthene	12.59	202	698779	50.096	ng	99
77) Pyrene	12.83	202	648485	40.345	ng	99
80) Benzo(a)anthracene	14.01	228	319959	25.068	ng	98
82) Chrysene	14.04	228	278373	22.908	ng	97
85) Indeno(1,2,3-cd)pyrene	16.98	276	110041	11.320	ng	98
87) Benzo(b)fluoranthene	15.06	252	298458m	30.238	ng	
88) Benzo(k)fluoranthene	15.09	252	114169m	11.711	ng	
89) Benzo(a)pyrene	15.43	252	204707	22.594	ng	96
90) Dibenzo(a,h)anthracene	16.99	278	30347	4.185	ng	# 83
91) Benzo(g,h,i)perylene	17.43	276	106380	14.842	ng	94

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

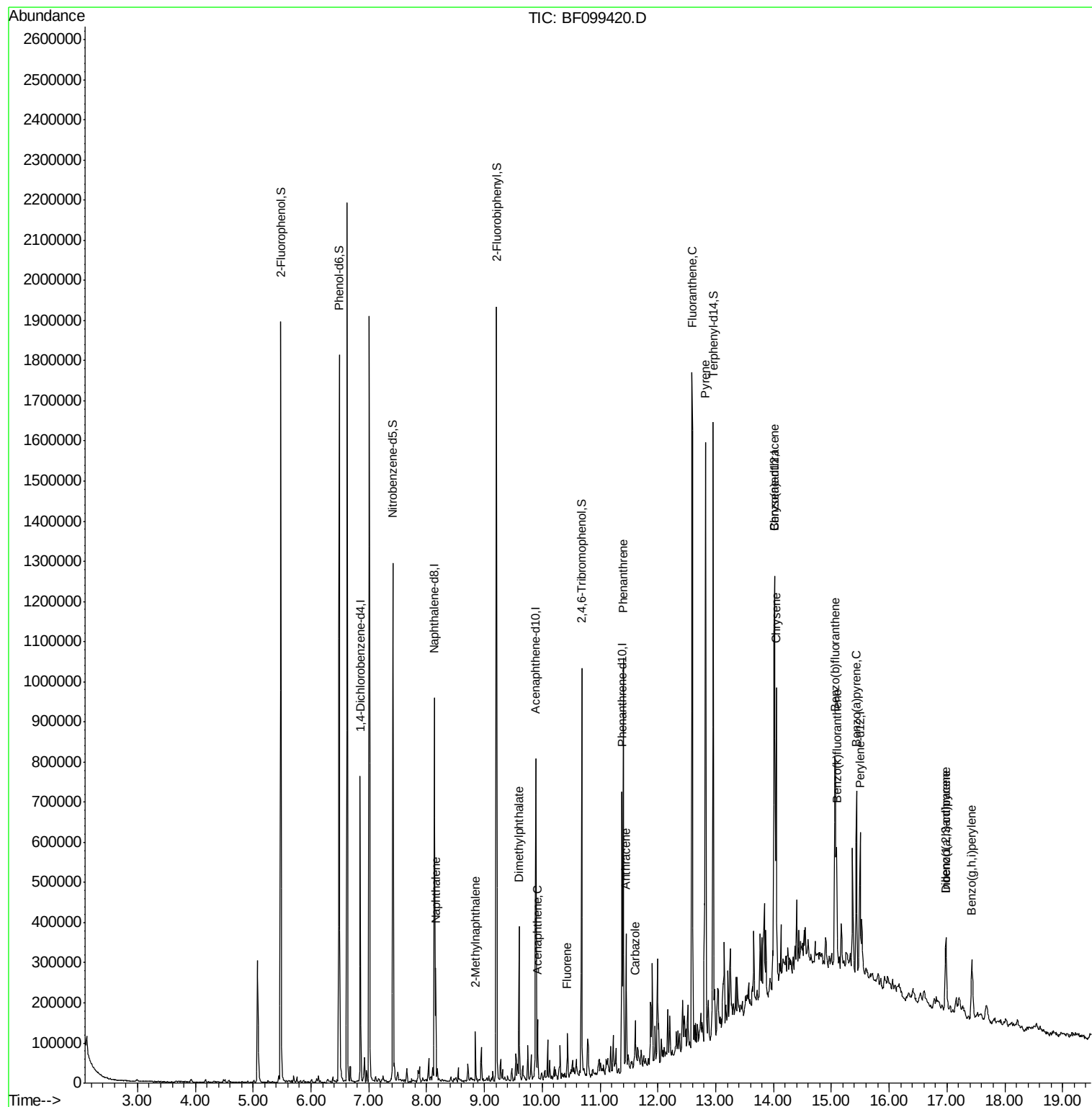
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
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ALS Vial : 25 Sample Multiplier: 1

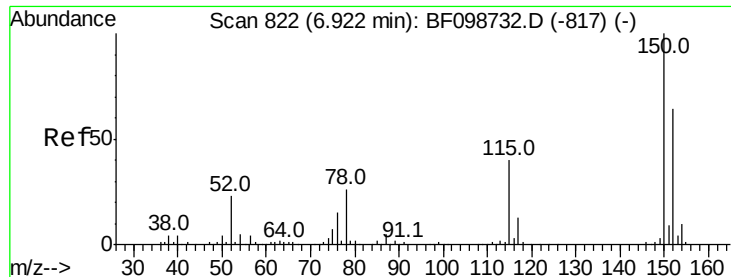
Instrument :
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220-2(2TRH)-COMP

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#1

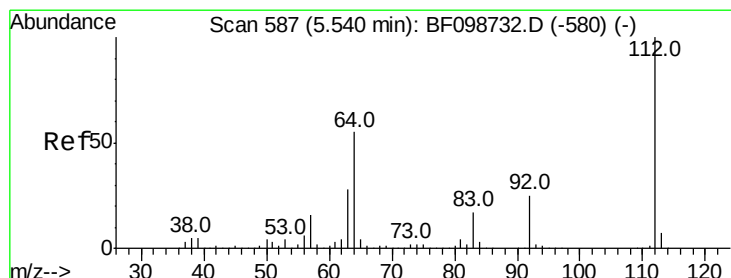
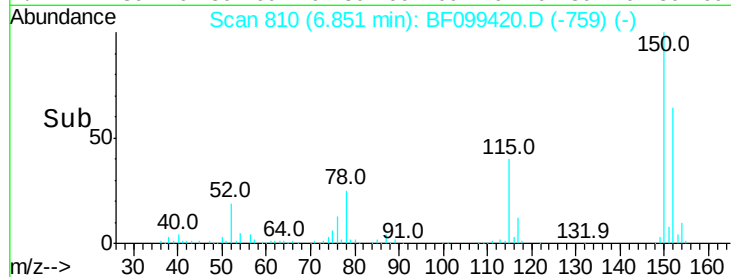
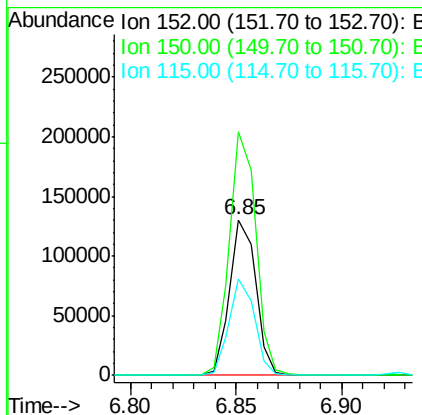
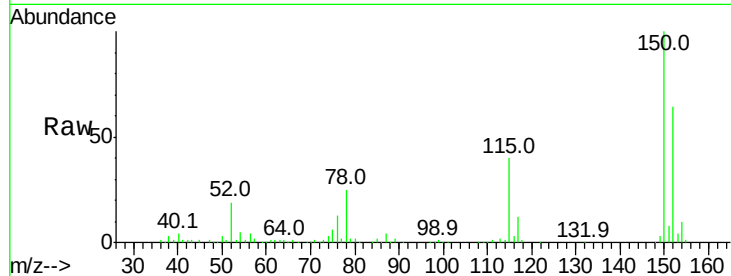
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	62.4	50.1	75.1

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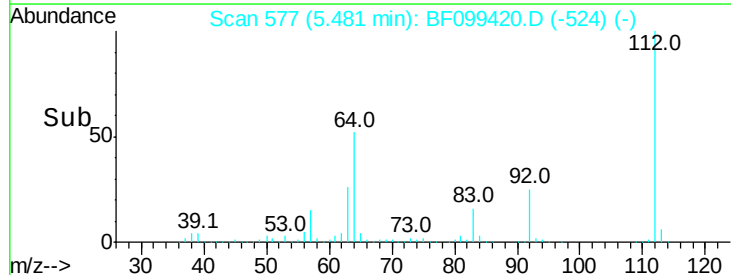
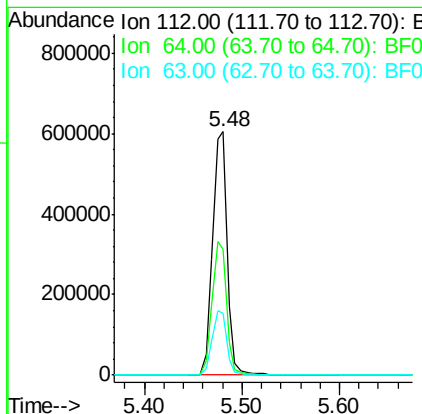
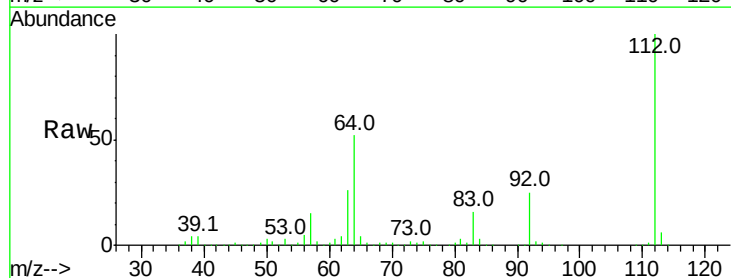
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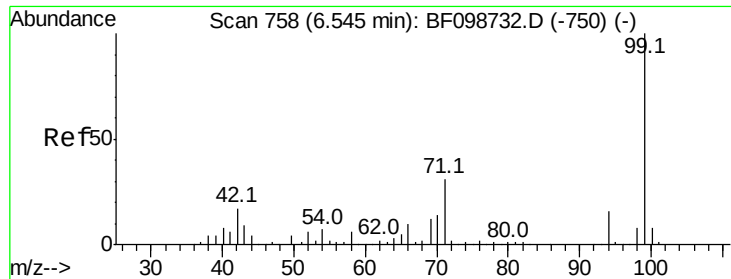


#5

2-Fluorophenol
Concen: 89.164 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	25.7	23.7	35.5





#7

Phenol-d6

Concen: 86.943 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

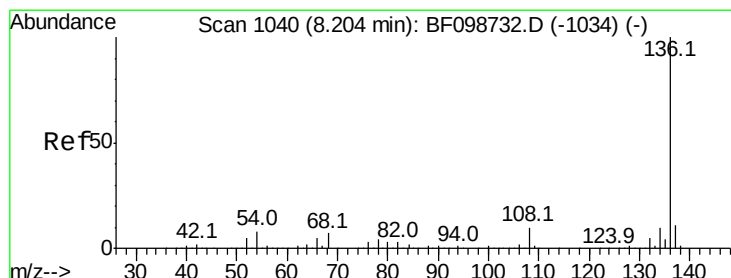
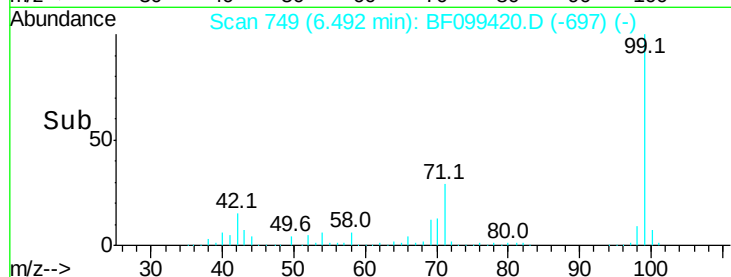
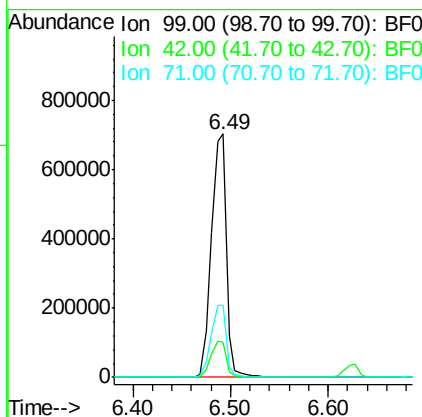
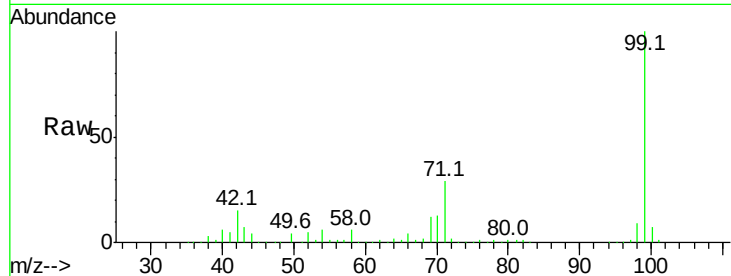
ClientSampleId :

220-2(2TRH)-COMP

Tot Ion:	99	Resp:	754994
Ion Ratio	Lower	Upper	
99	100		
42	14.5	14.5	21.7
71	29.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

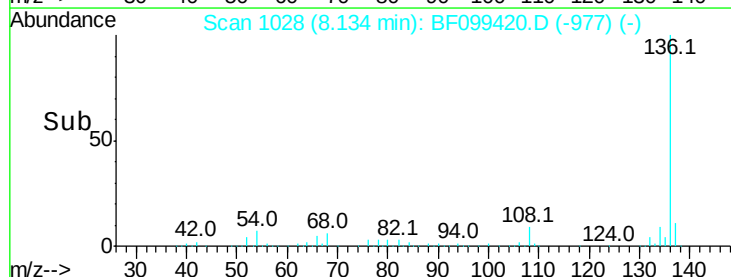
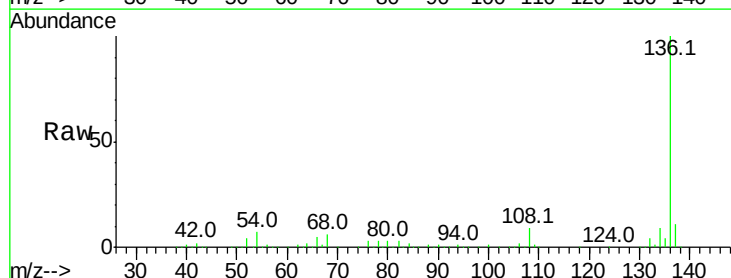
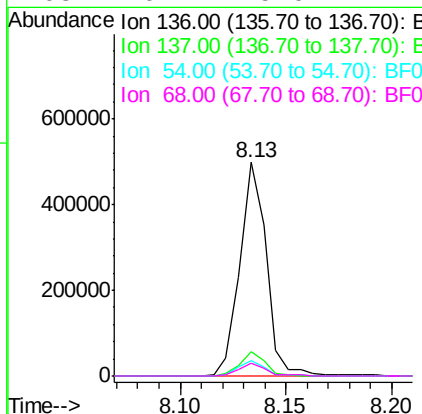
RT: 8.13 min Scan# 1028

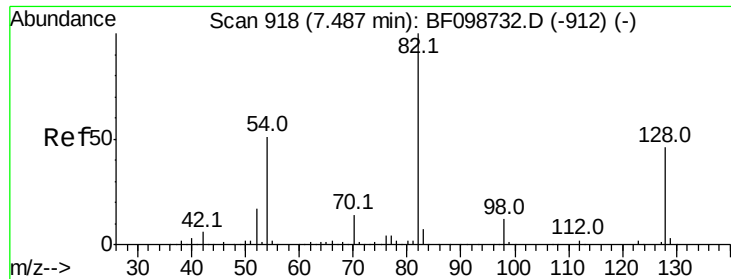
Delta R.T. 0.00 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Tgt Ion:	136	Resp:	431750
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.2	6.6	9.8
68	6.1	5.0	7.4





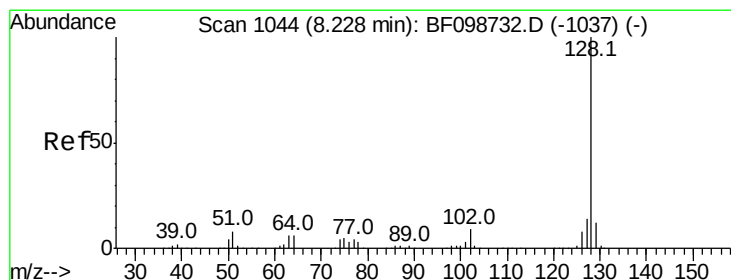
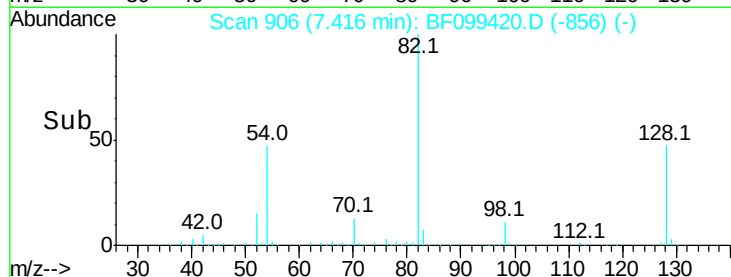
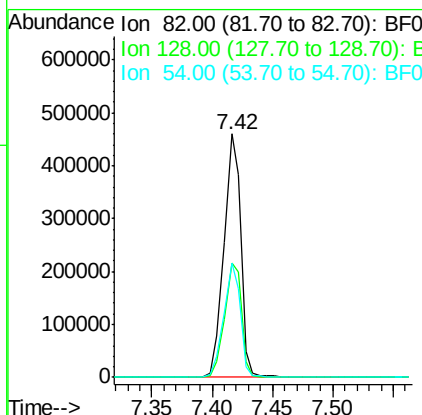
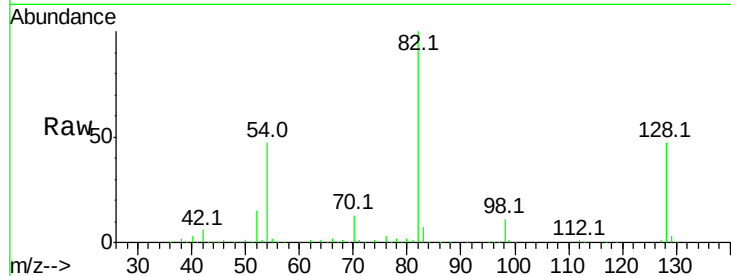
#23
 Nitrobenzene-d5
 Concen: 66.026 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF099420.D
 Acq: 13 Oct 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	47.1	41.4	62.2

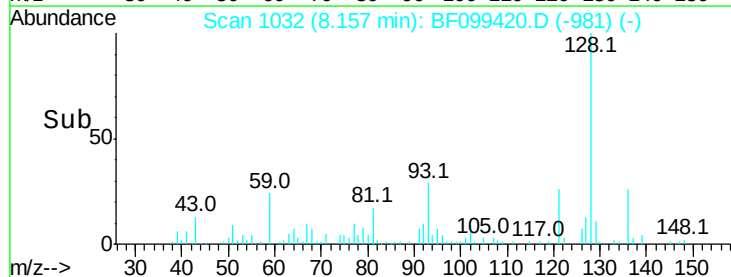
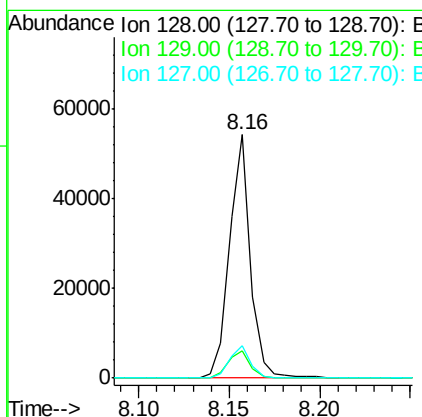
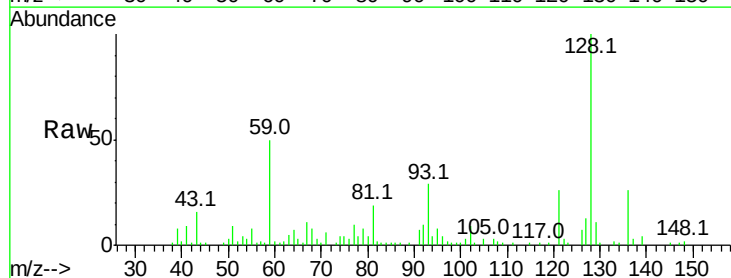
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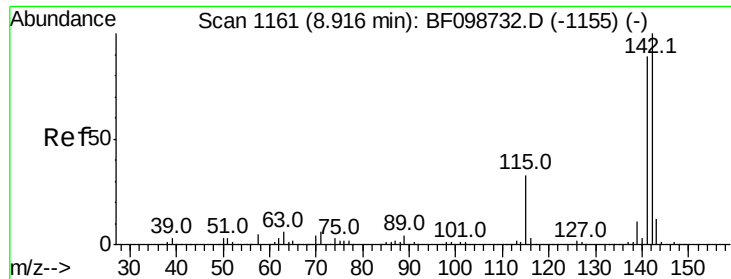
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#31
 Naphthalene
 Concen: 2.140 ng
 RT: 8.16 min Scan# 1032
 Delta R.T. 0.00 min
 Lab File: BF099420.D
 Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.9	16.3





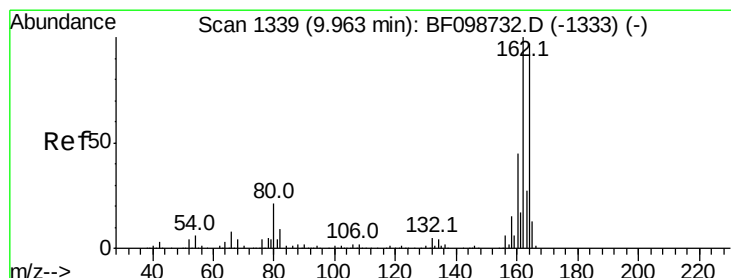
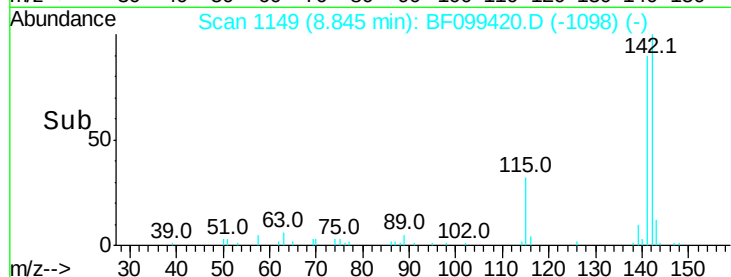
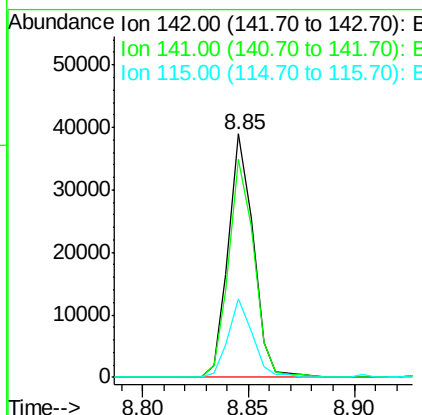
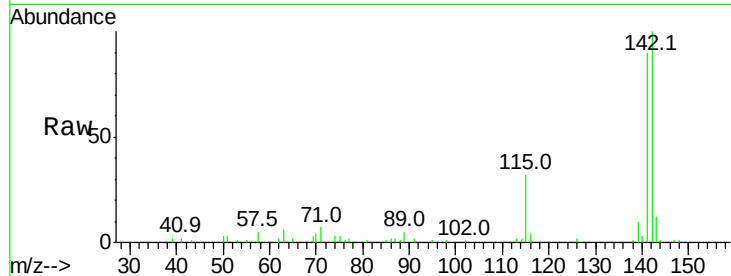
#37
2-Methylnaphthalene
Concen: 2.436 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	32.3	26.1	39.1

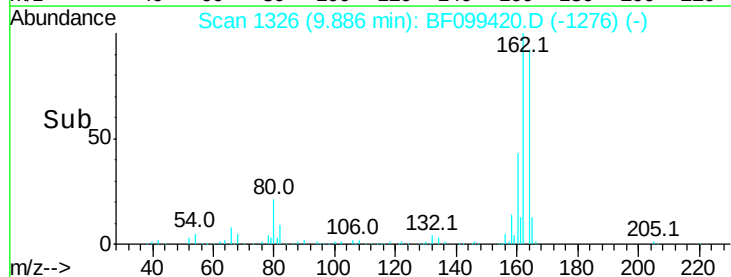
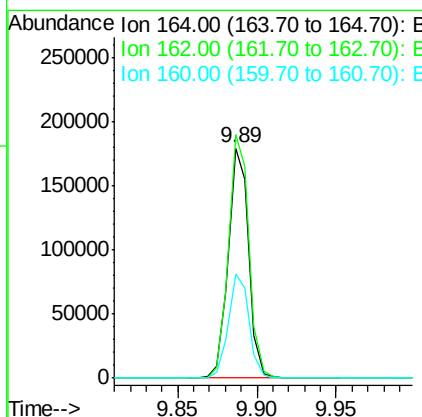
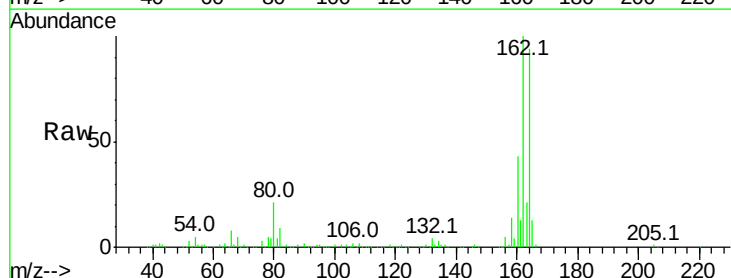
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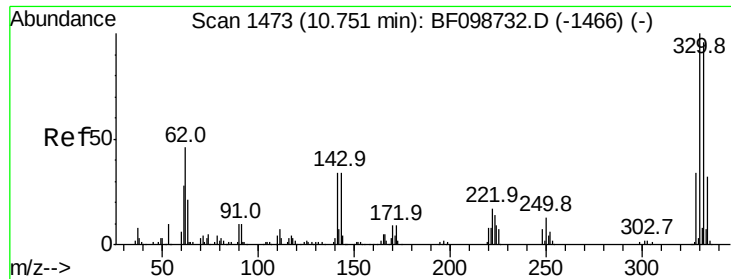
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	45.1	38.3	57.5





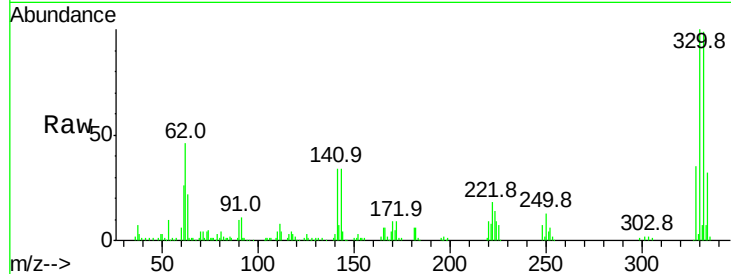
#41
 2,4,6-Tribromophenol
 Concen: 83.810 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099420.D
 Acq: 13 Oct 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 220-2(2TRH)-COMP

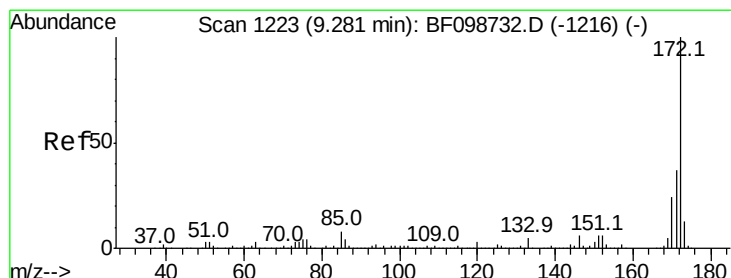
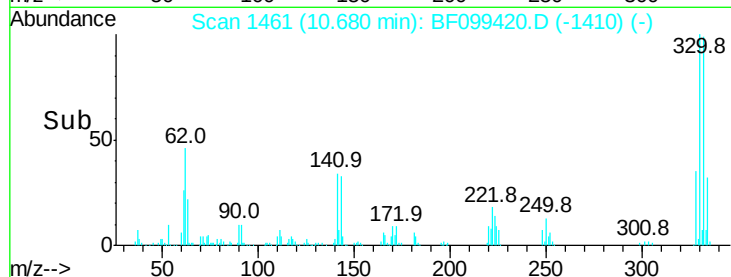
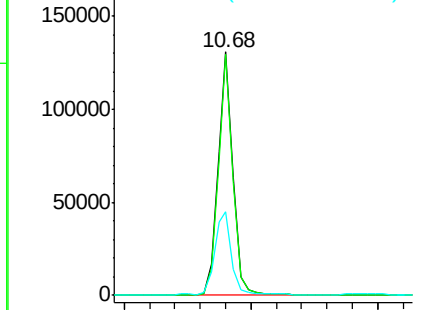
Tot Ion	Ratio	Resp	Lower	Upper
330	100	109145		
332	96.4	77.0	115.6	
141	41.2	29.9	44.9	

Manual Integrations
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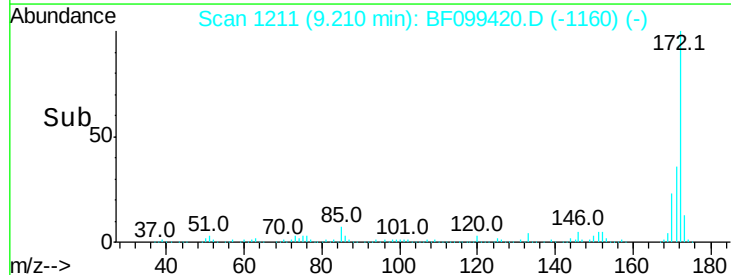
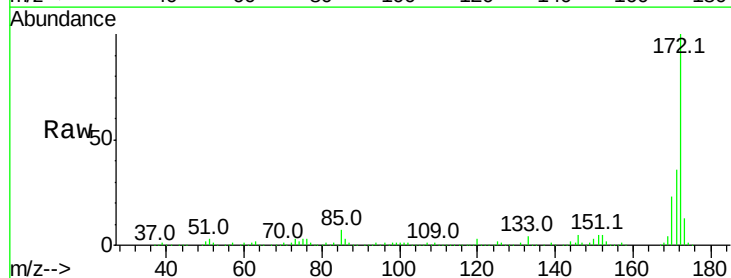
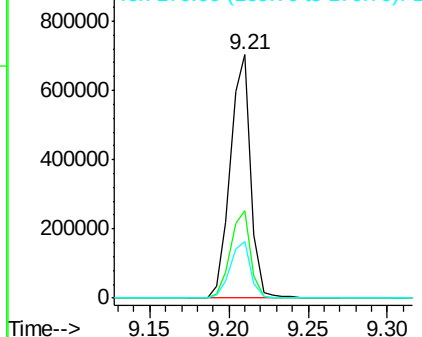
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

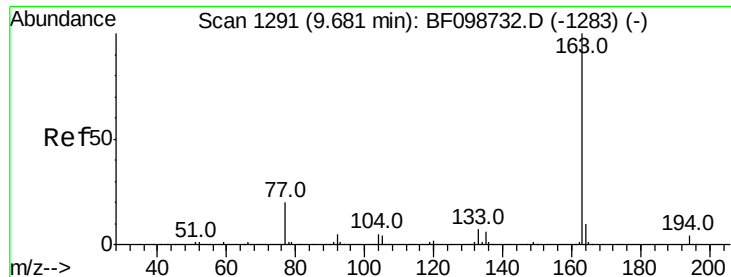


#44
 2-Fluorobiphenyl
 Concen: 66.083 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099420.D
 Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	629993		
171	35.7	29.7	44.5	
170	23.4	19.6	29.4	

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





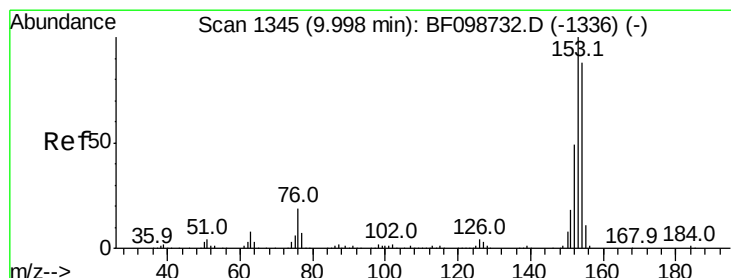
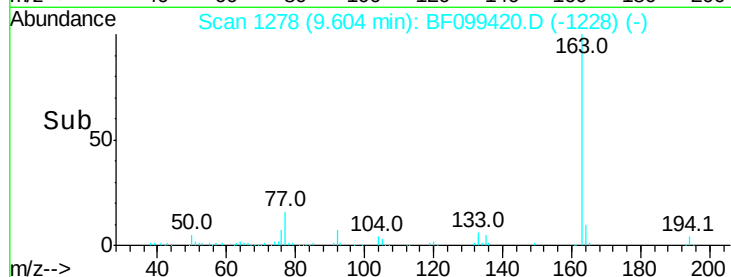
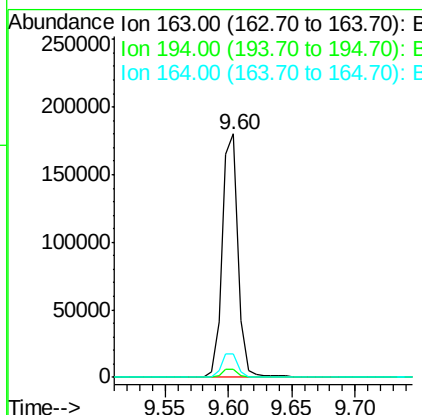
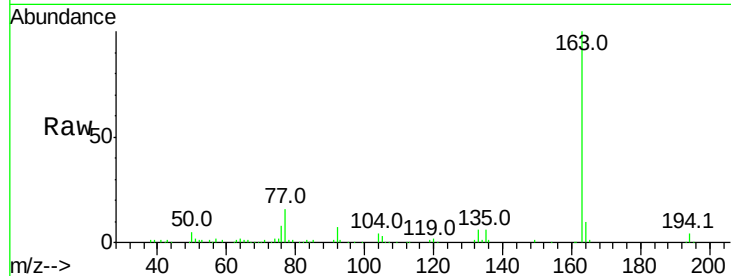
#49
Dimethylphthalate
Concen: 13.142 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion:	163	Resp:	157859
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	9.7	8.2	12.2

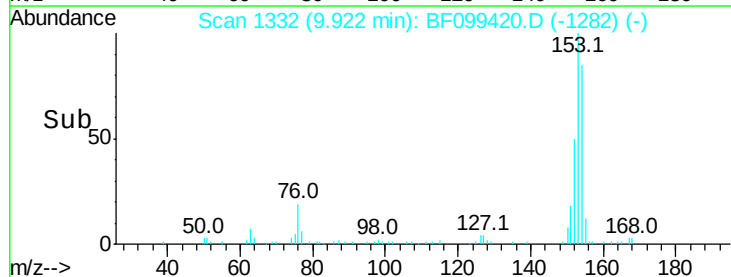
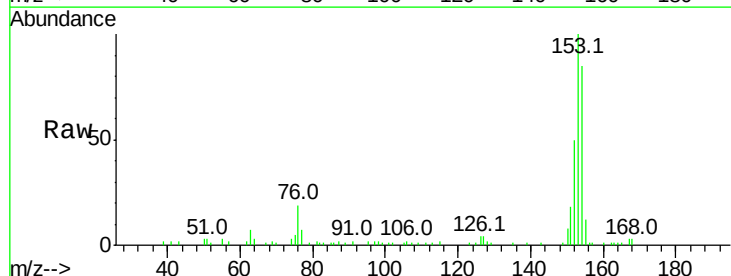
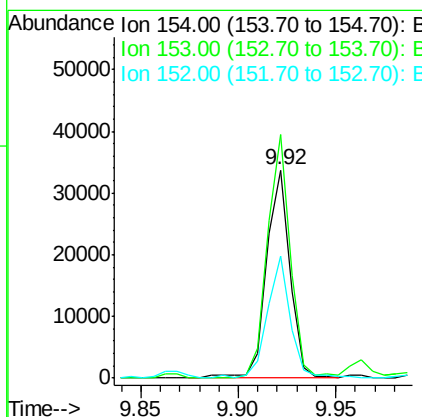
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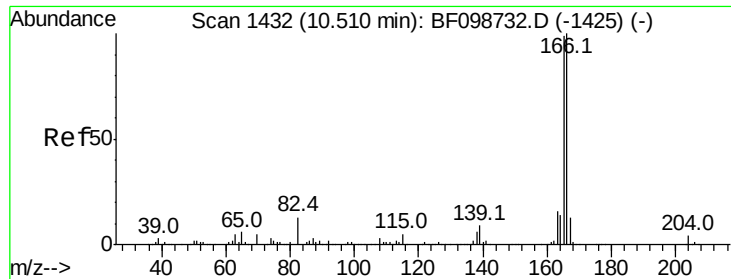
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#51
Acenaphthene
Concen: 2.833 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion:	154	Resp:	28213
Ion Ratio	Lower	Upper	
154	100		
153	117.0	91.2	136.8
152	58.4	43.8	65.8





#57

Fluorene

Concen: 2.793 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

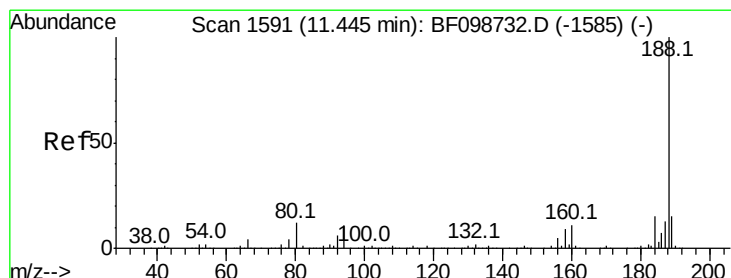
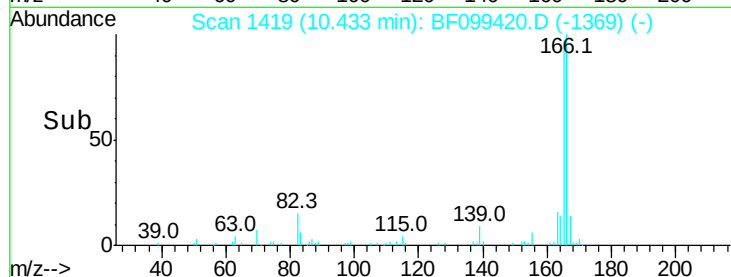
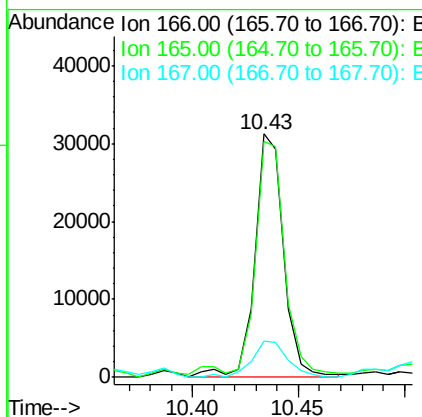
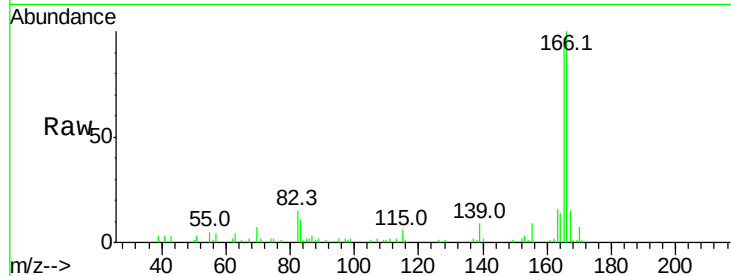
ClientSampleId :

220-2(2TRH)-COMP

Tot Ion:	166	Resp:	29767
Ion Ratio	Lower	Upper	
166	100		
165	96.7	79.8	119.8
167	14.7	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

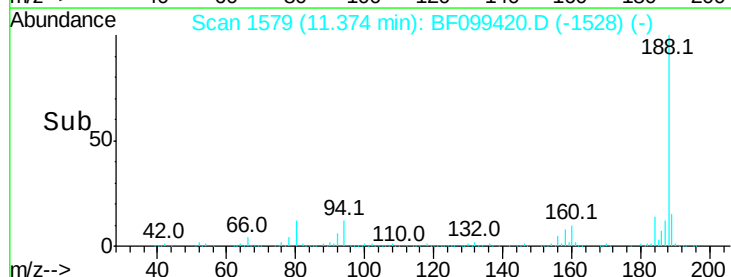
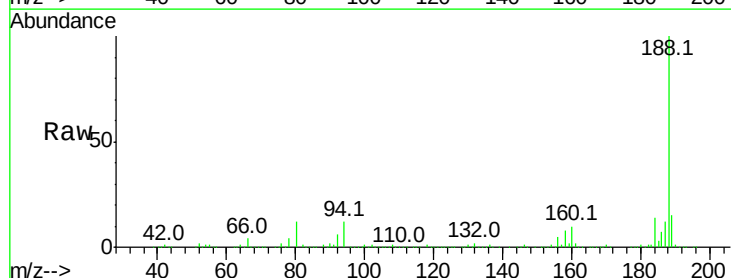
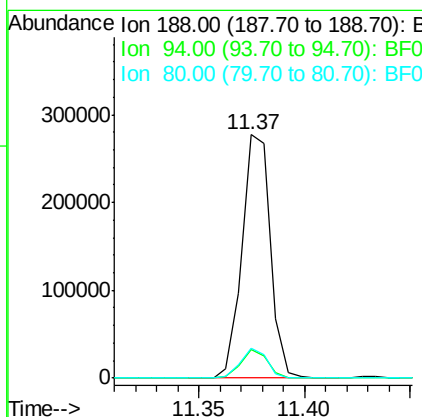
RT: 11.37 min Scan# 1579

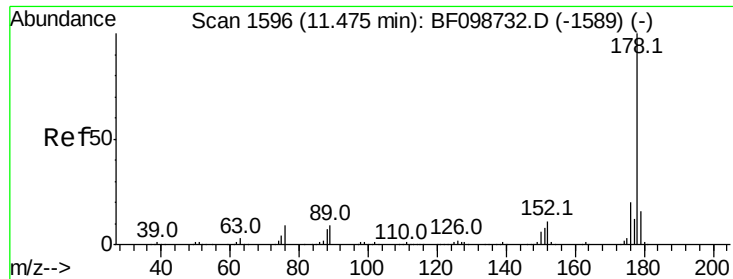
Delta R.T. 0.00 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Tgt Ion:	188	Resp:	257345
Ion Ratio	Lower	Upper	
188	100		
94	11.6	8.5	12.7
80	12.5	9.2	13.8





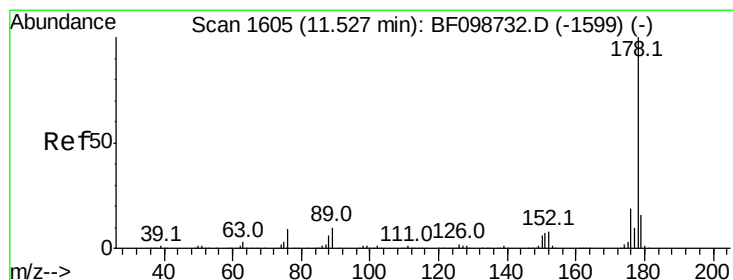
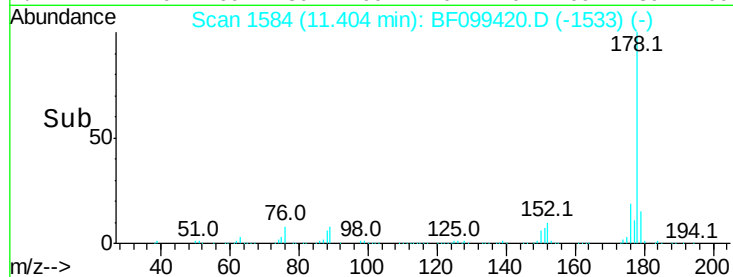
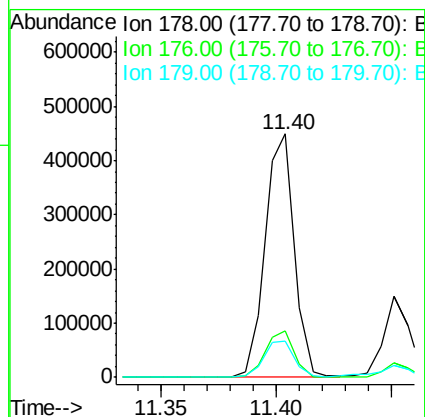
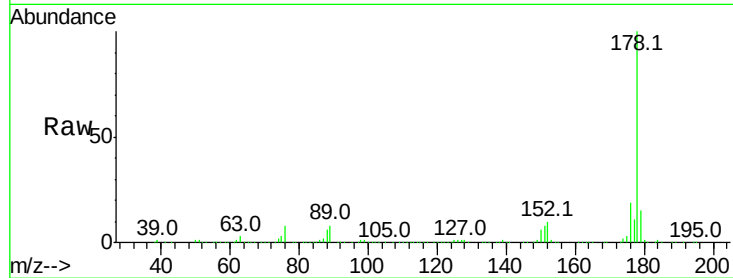
#70
Phenanthrene
Concen: 28.663 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

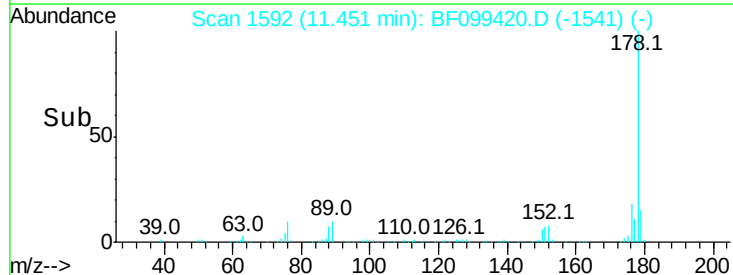
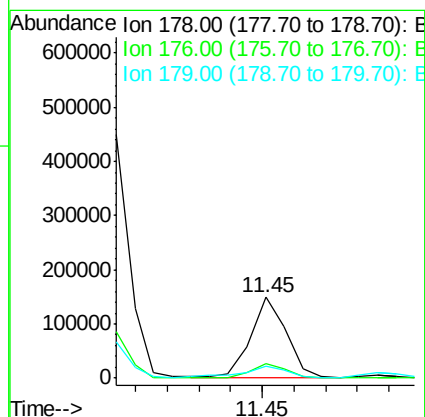
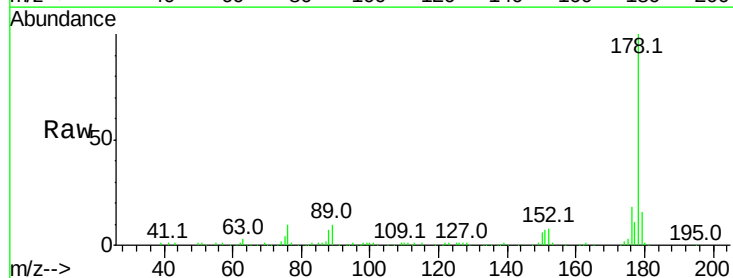
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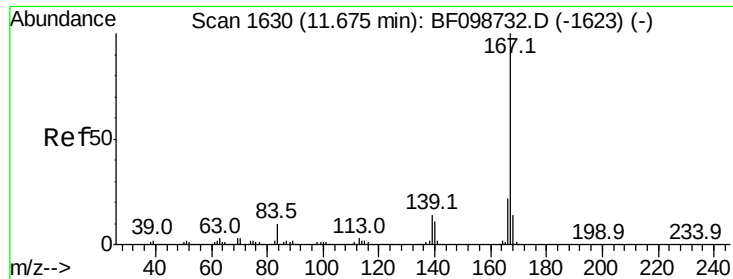
Sohil
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#71
Anthracene
Concen: 8.099 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 3.128 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

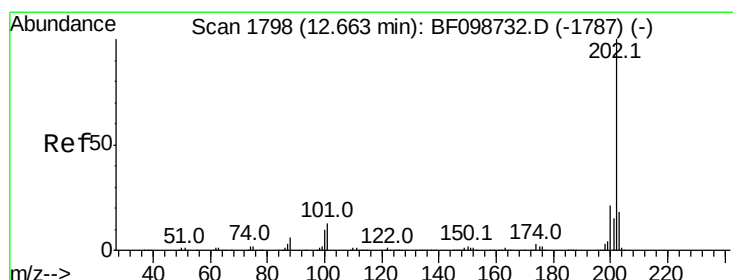
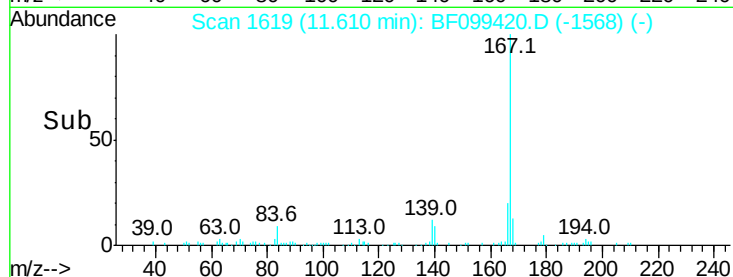
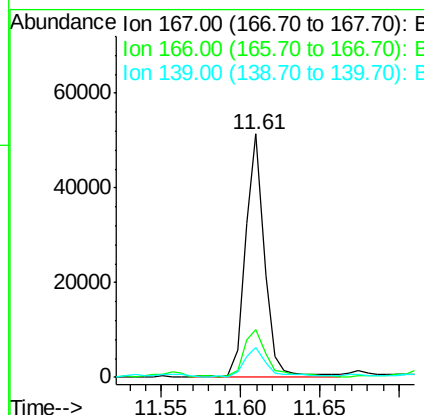
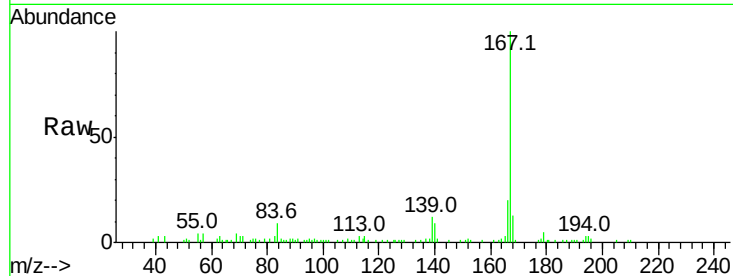
ClientSampleId :

220-2(2TRH)-COMP

Tot Ion:	167	Resp:	43170
Ion Ratio	Lower	Upper	
167	100		
166	19.8	17.6	26.4
139	12.1	10.9	16.3

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#74

Fluoranthene

Concen: 50.096 ng

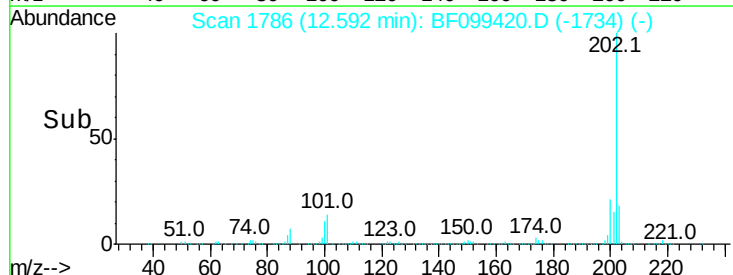
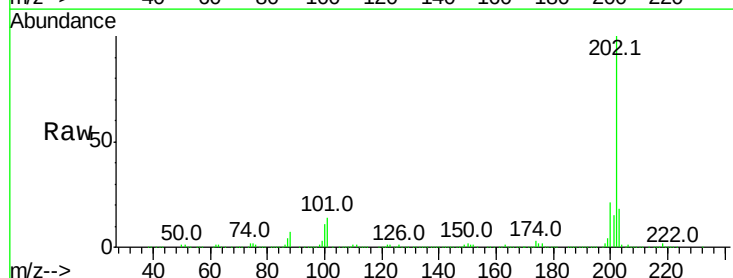
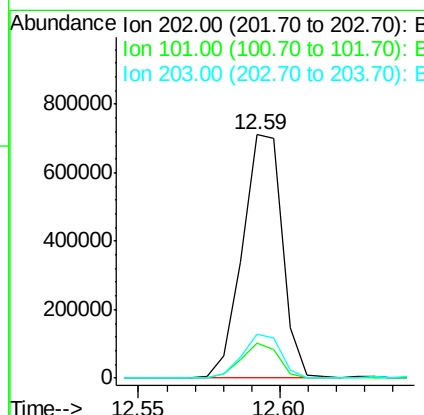
RT: 12.59 min Scan# 1786

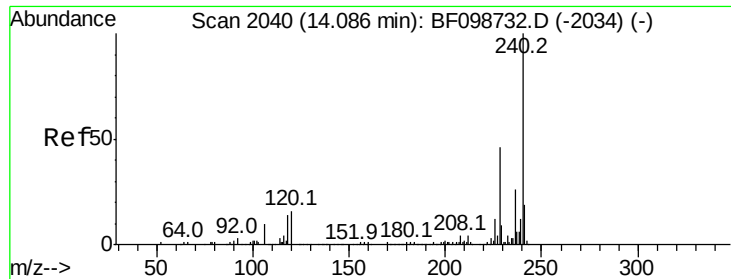
Delta R.T. 0.01 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Tgt Ion:	202	Resp:	698779
Ion Ratio	Lower	Upper	
202	100		
101	14.4	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

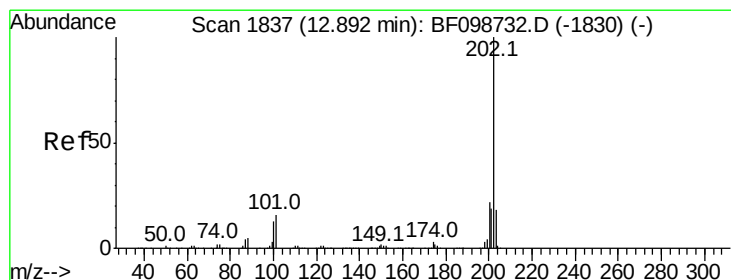
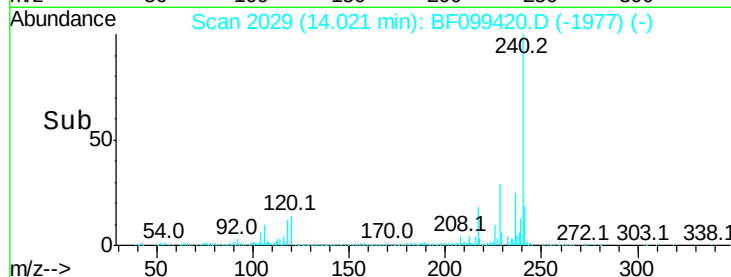
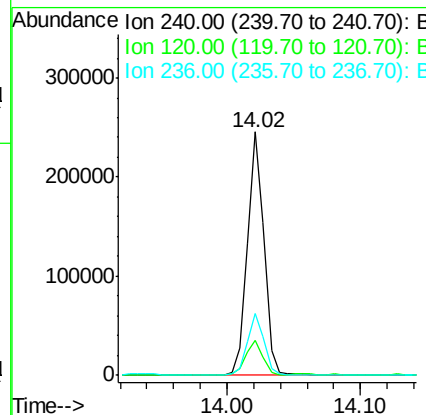
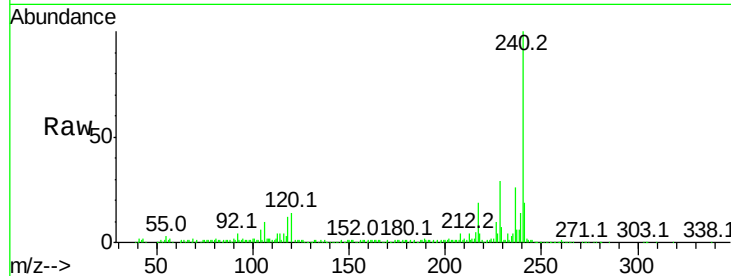
ClientSampleId :

220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 40.345 ng

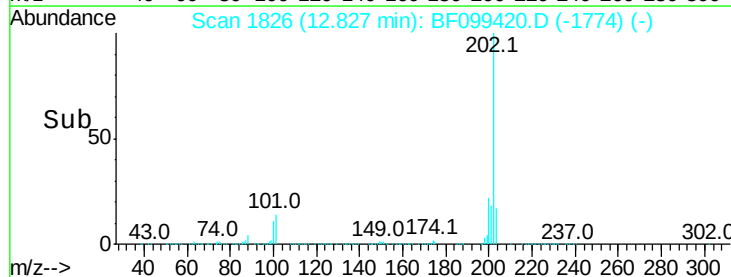
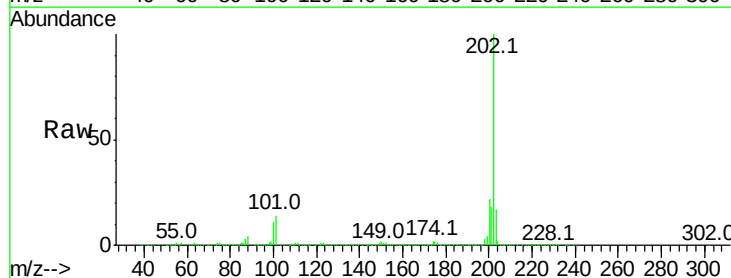
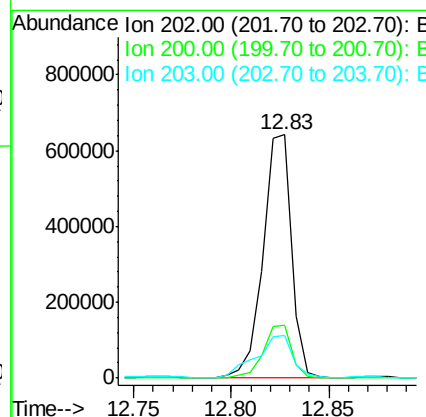
RT: 12.83 min Scan# 1826

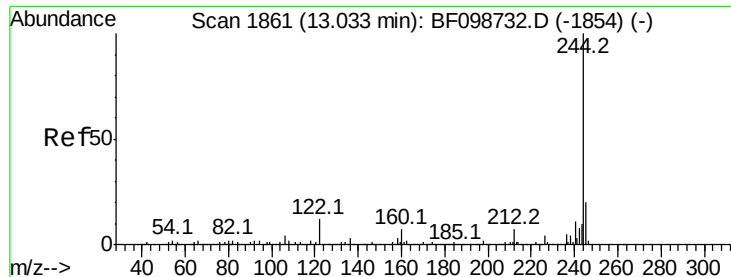
Delta R.T. 0.01 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.3	14.3	21.5





#78

Terphenyl-d14

Concen: 51.301 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

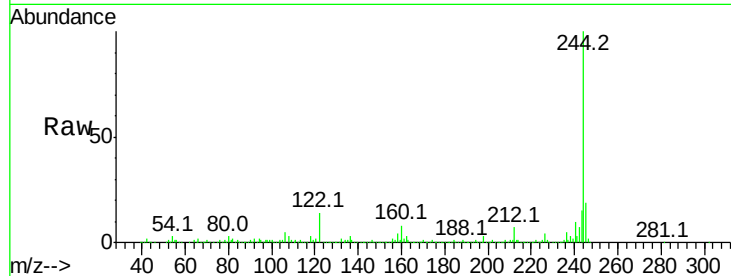
ClientSampleId :

220-2(2TRH)-COMP

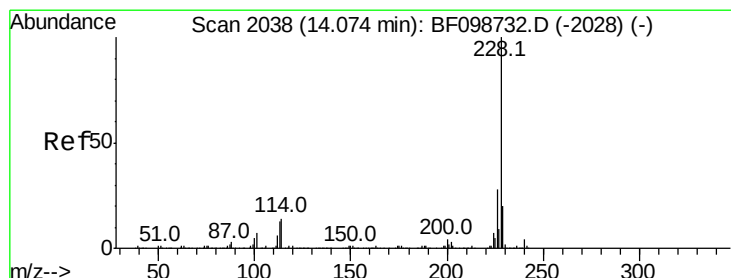
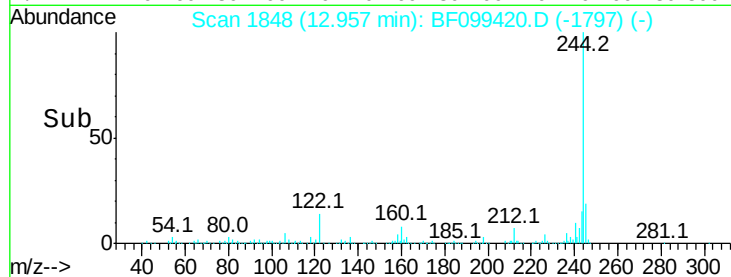
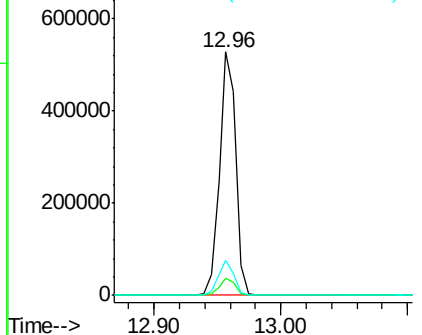
Tot Ion:	244	Resp:	475489
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.4	8.0
122	14.4	11.0	16.4

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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: 25.068 ng

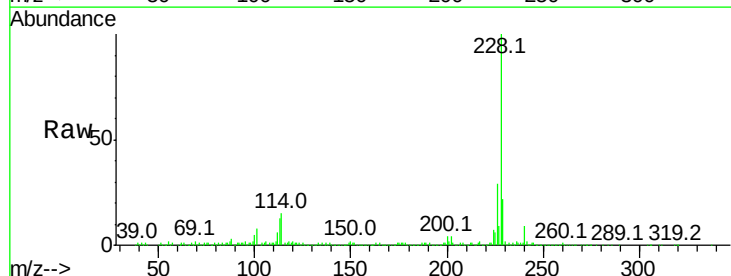
RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

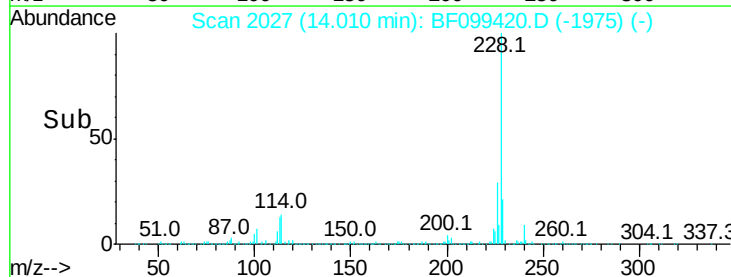
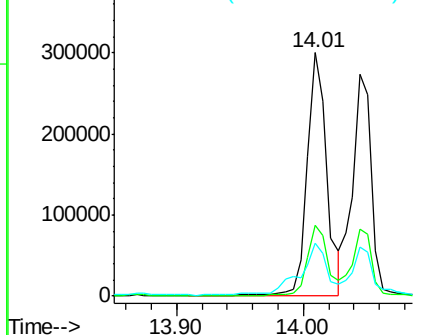
Lab File: BF099420.D

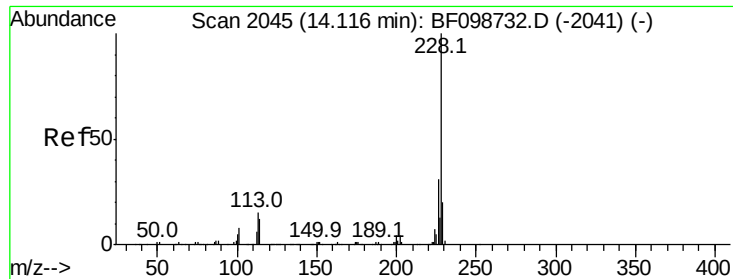
Acq: 13 Oct 2017 3:01

Tgt Ion:	228	Resp:	319959
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	33.8
229	21.5	15.8	23.6



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: 22.908 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Instrument :

BNA_F

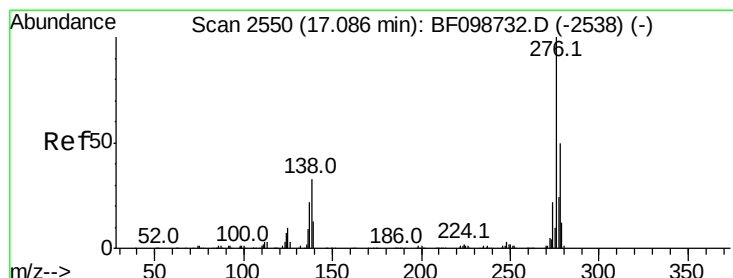
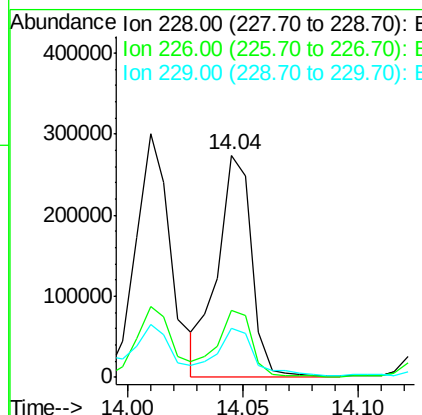
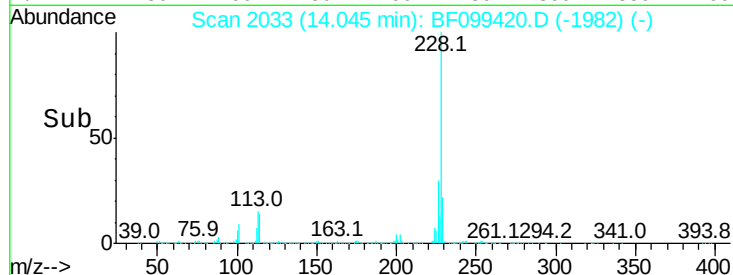
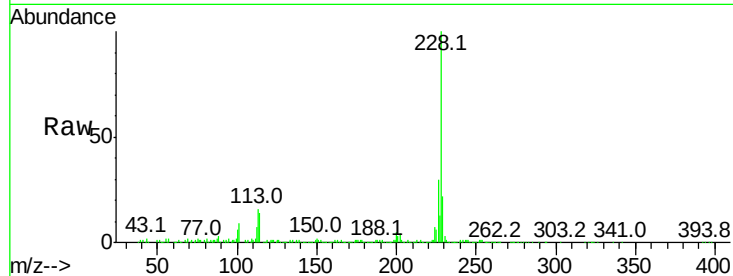
ClientSampleId :

220-2(2TRH)-COMP

Tot Ion:	228	Resp:	278373
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	22.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.320 ng

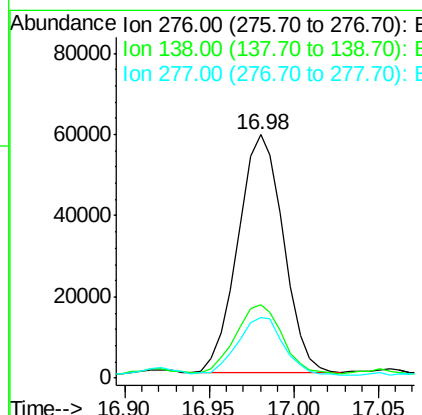
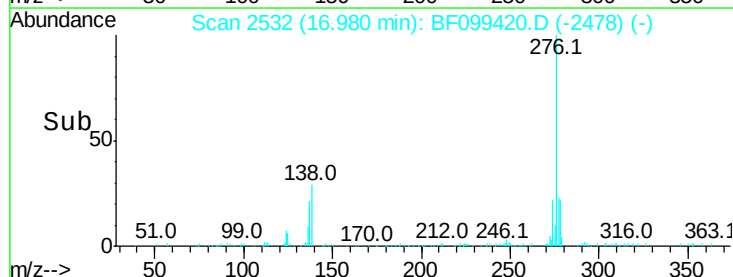
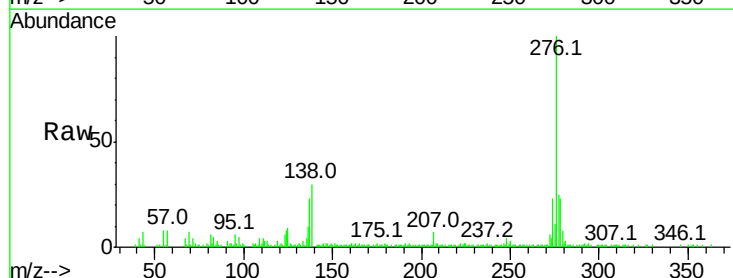
RT: 16.98 min Scan# 2532

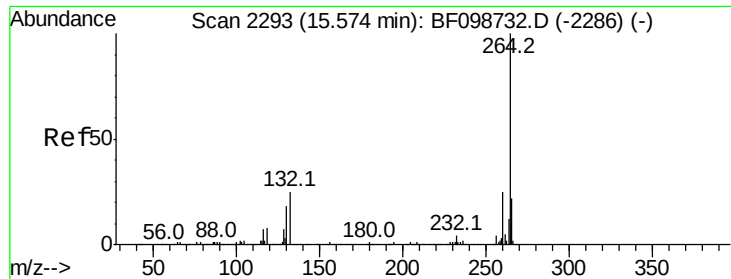
Delta R.T. 0.02 min

Lab File: BF099420.D

Acq: 13 Oct 2017 3:01

Tgt Ion:	276	Resp:	110041
Ion Ratio	Lower	Upper	
276	100		
138	29.6	25.0	37.6
277	24.6	20.1	30.1





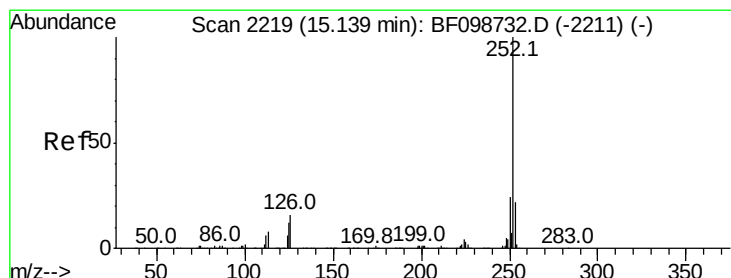
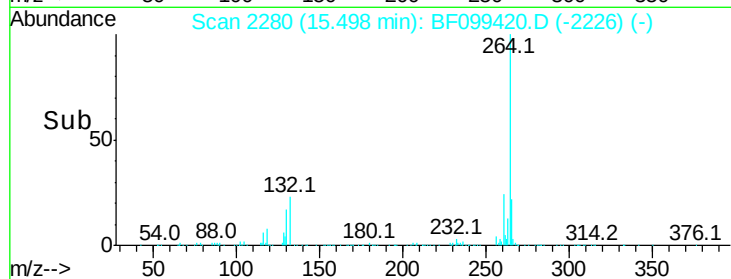
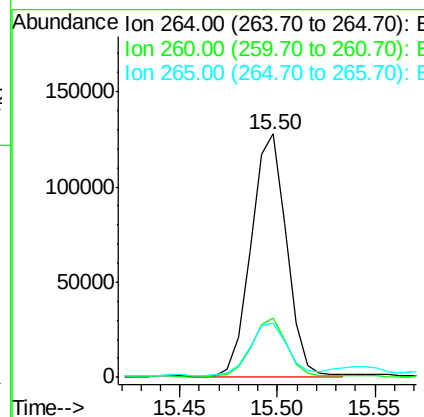
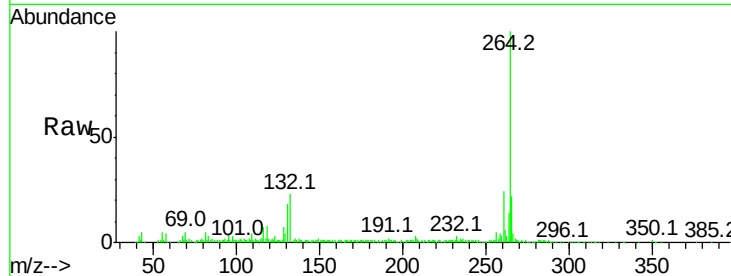
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.5	26.3

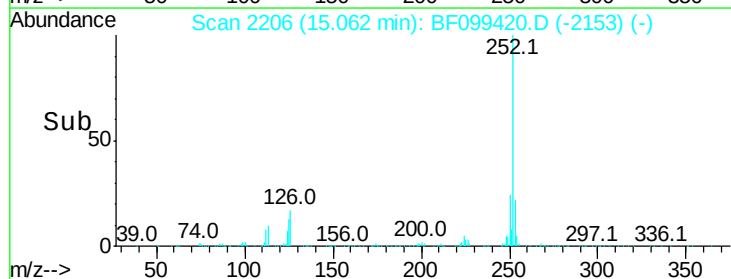
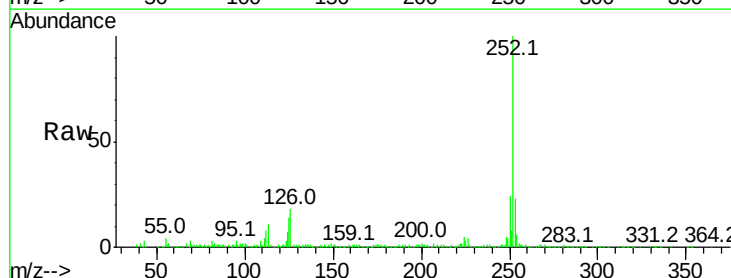
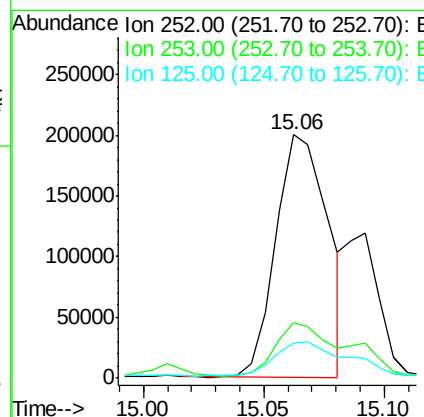
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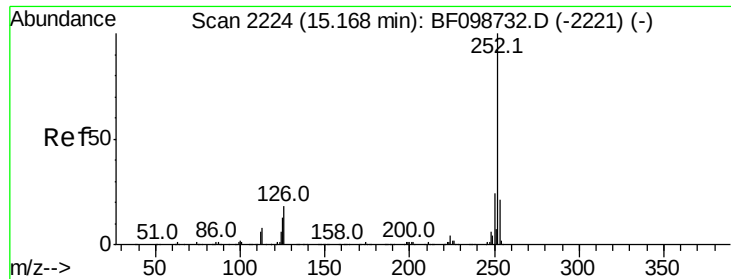
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#87
Benzo(b)fluoranthene
Concen: 30.238 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	14.3	9.0	13.6





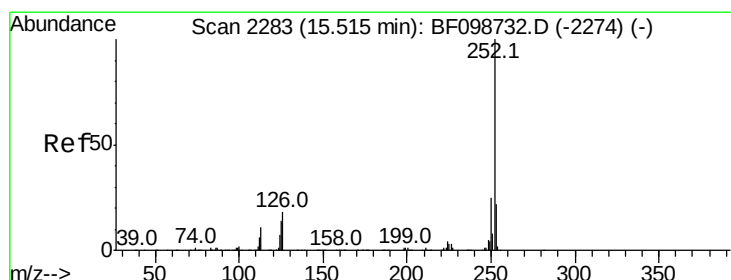
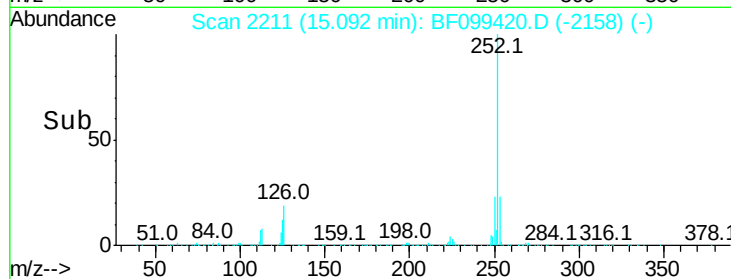
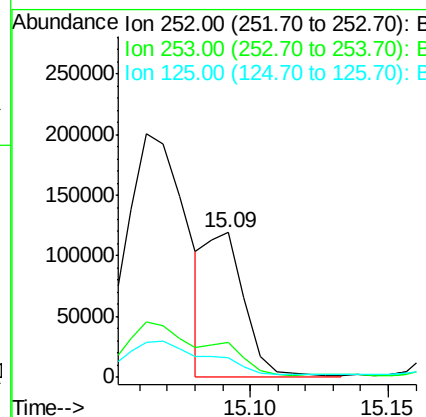
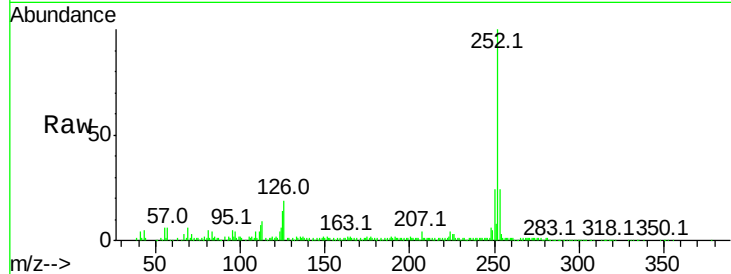
#88
Benzo(k)fluoranthene
Concen: 11.711 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.6	10.2	15.2

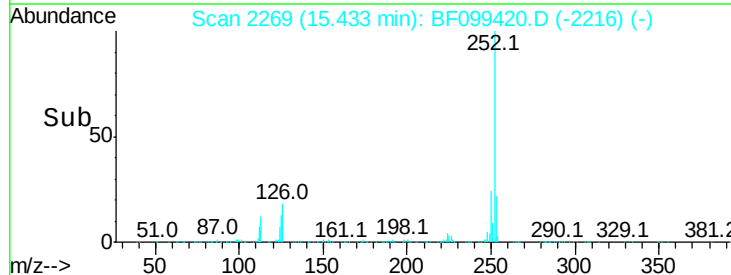
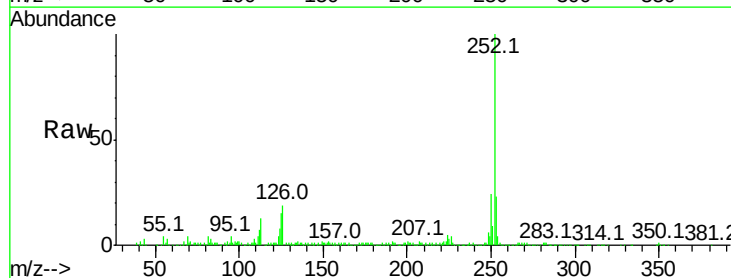
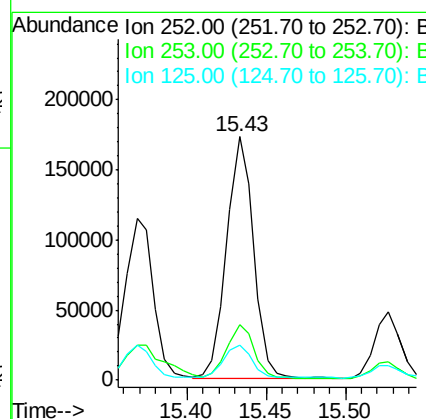
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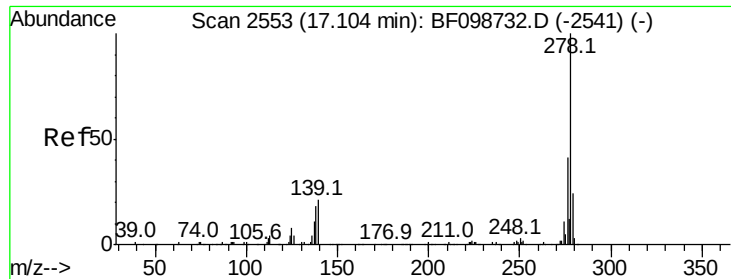
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#89
Benzo(a)pyrene
Concen: 22.594 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.6	9.8	14.6





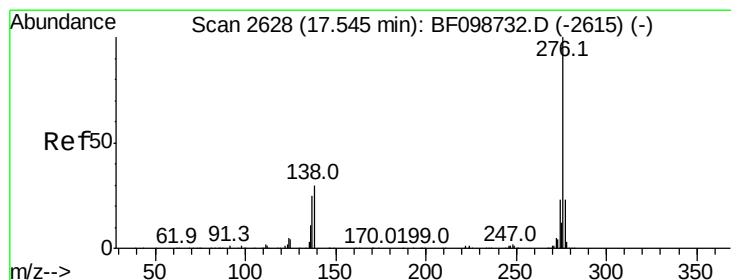
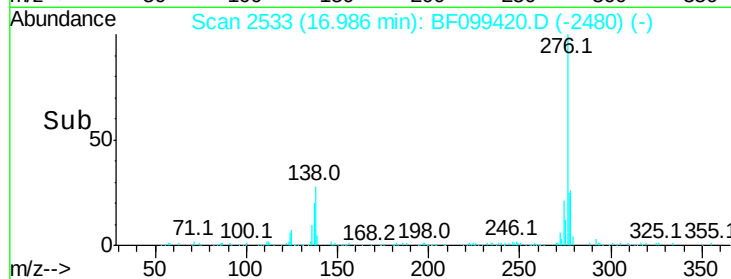
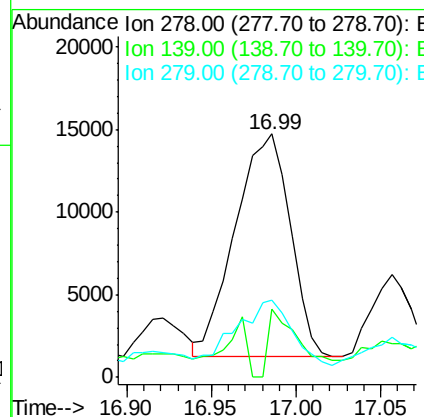
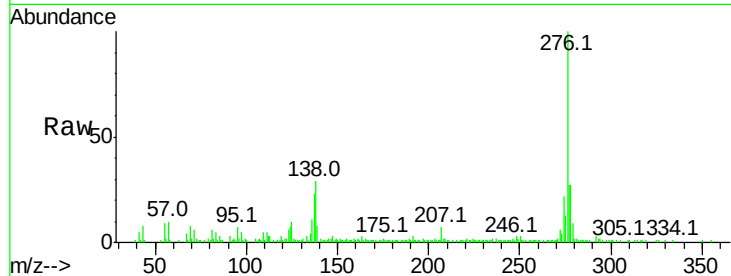
#90
Dibenzo(a,h)anthracene
Concen: 4.185 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Instrument :
BNA_F
ClientSampleId :
220-2(2TRH)-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.1	15.9	23.9#
279	31.9	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 14.842 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF099420.D
Acq: 13 Oct 2017 3:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	30.3	21.8	32.8

