

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103292.D
 Acq On : 28 Feb 2018 8:10
 Operator : SJ/JU
 Sample : J1698-01DL 50X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1DL

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:18:15 AM

Quant Time: Feb 28 10:15:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	127719	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	532993	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	224751	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	318533	20.00	ng	0.00
75) Chrysene-d12	14.06	240	222717	20.00	ng	0.00
86) Perylene-d12	15.56	264	185546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	18644	2.21	ng	0.01
7) Phenol-d6	6.52	99	21272	2.06	ng	0.00
23) Nitrobenzene-d5	7.44	82	11385	1.22	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	2259	1.19	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	25552	-1.00	ng	0.00
78) Terphenyl-d14	12.99	244	17873	1.93	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.87	142	152614	9.050	ng	99
48) Acenaphthylene	9.77	152	51638	2.253	ng	# 89
51) Acenaphthene	9.95	154	66490	4.974	ng	96
57) Fluorene	10.46	166	157458	10.073	ng	97
70) Phenanthrene	11.43	178	760578	43.388	ng	99
71) Anthracene	11.48	178	171181	9.523	ng	100
74) Fluoranthene	12.62	202	367877	20.884	ng	98
77) Pyrene	12.86	202	614171	35.370	ng	99
80) Benzo(a)anthracene	14.04	228	205721	14.236	ng	98
82) Chrysene	14.08	228	206981	14.751	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	42581	3.833	ng	99
87) Benzo(b)fluoranthene	15.12	252	125067m	10.252	ng	
88) Benzo(k)fluoranthene	15.14	252	39114m	3.405	ng	
89) Benzo(a)pyrene	15.50	252	120082	11.023	ng	98
91) Benzo(a,h,i)perylene	17.54	276	51317	6.237	ng	94

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

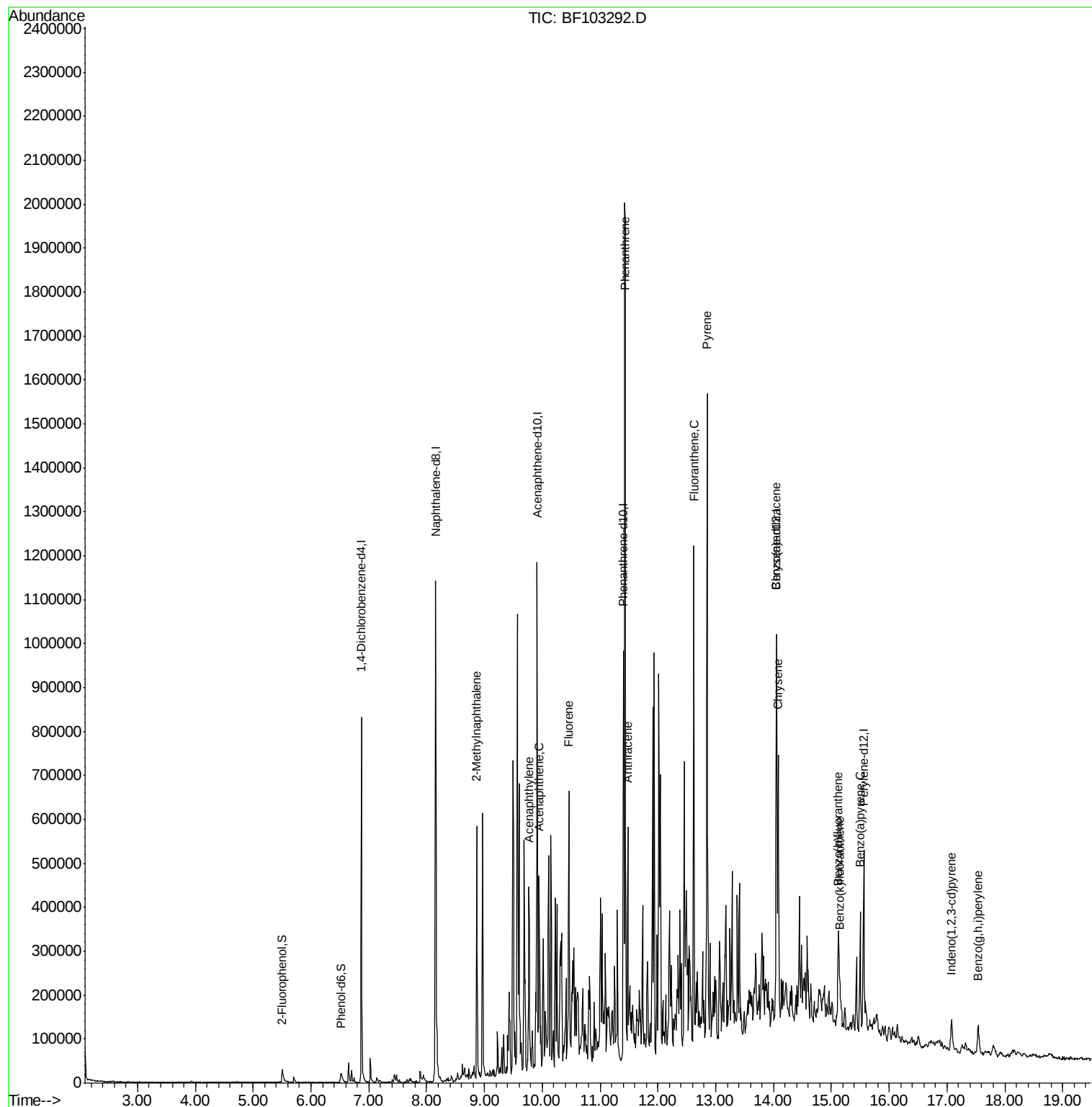
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
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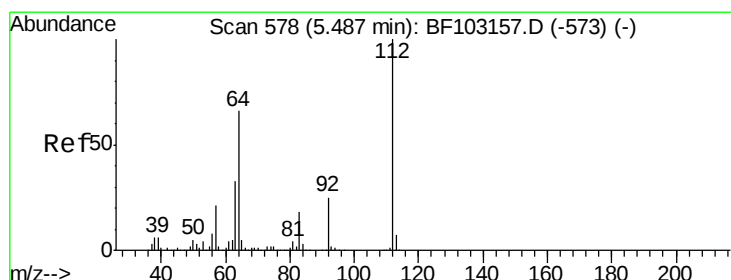
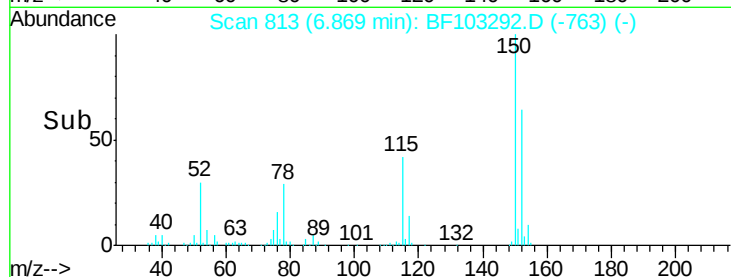
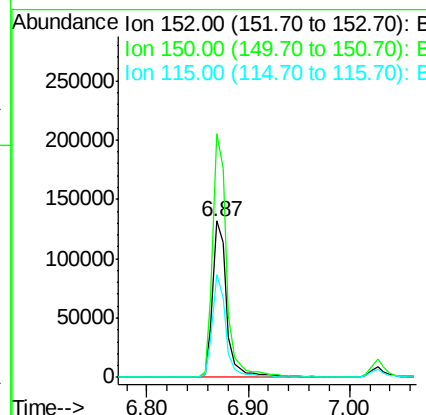
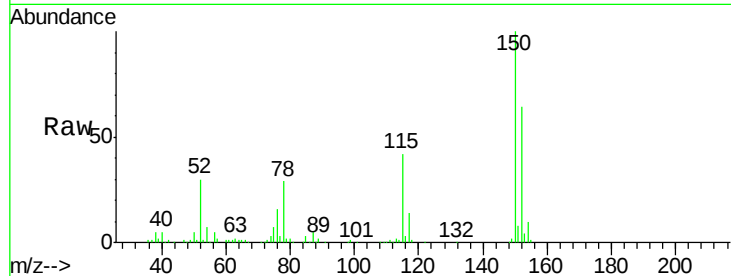
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Instrument :
 BNA_F
 ClientSampled :
 B1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	65.4	50.1	75.1

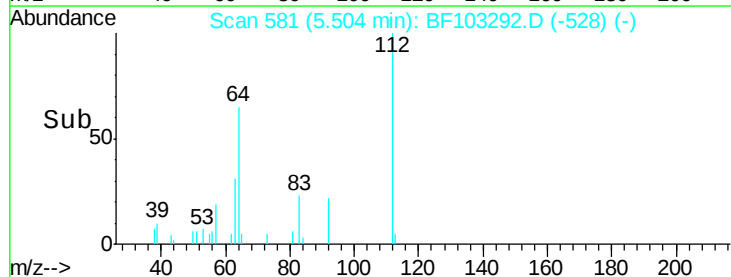
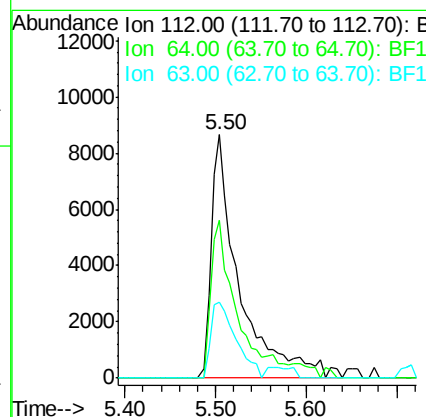
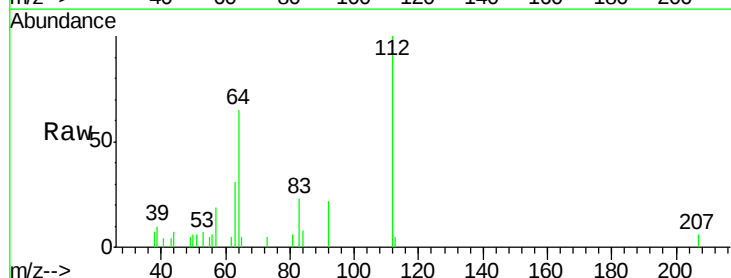
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#5
 2-Fluorophenol
 Concen: 2.208 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	47.9	71.9
63	31.2	23.7	35.5





#7

Phenol-d6

Concen: 2.059 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Instrument :

BNA_F

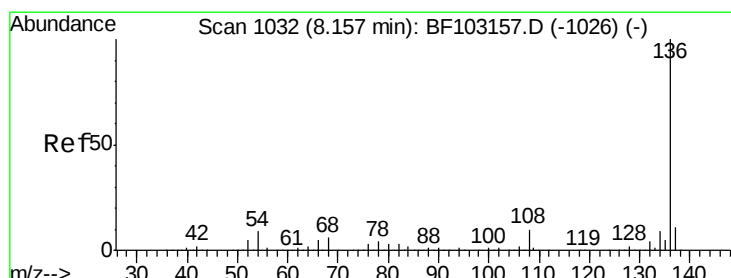
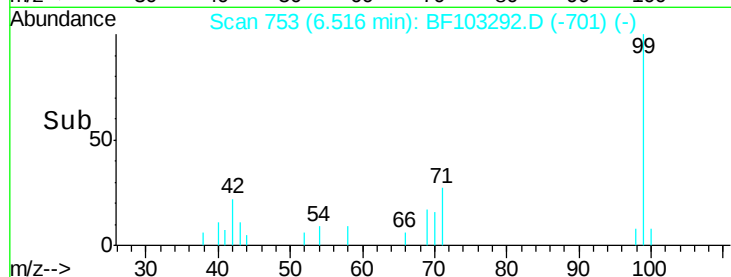
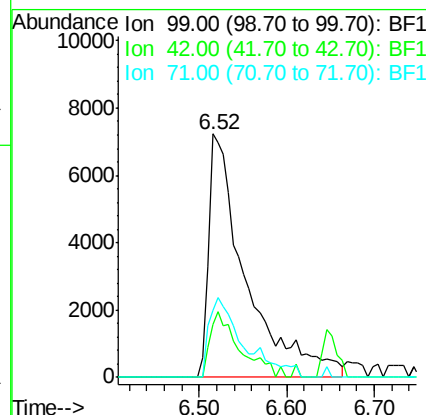
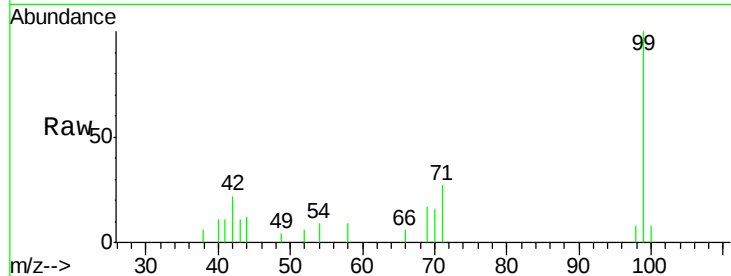
ClientSampled :

B1DL

Tot Ion:	99	Resp:	21272
Ion Ratio	Lower	Upper	
99	100		
42	21.6	14.5	21.7
71	27.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

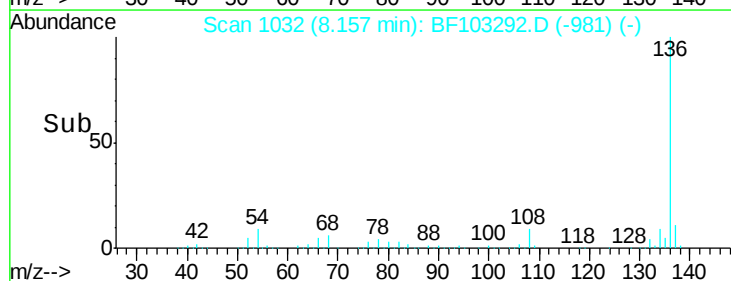
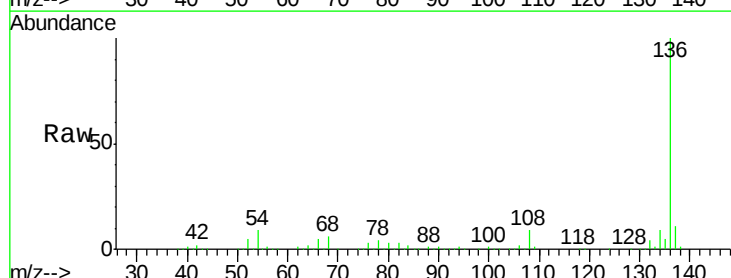
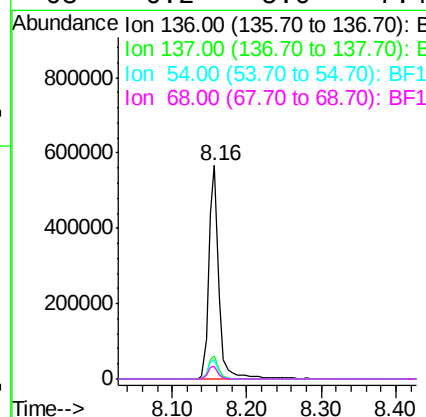
RT: 8.16 min Scan# 1032

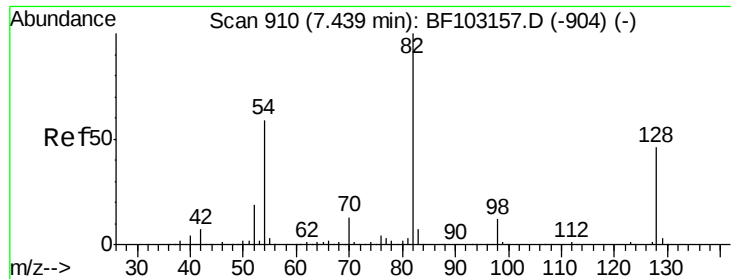
Delta R.T. -0.00 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Tgt Ion:	136	Resp:	532993
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.9	6.6	9.8
68	6.2	5.0	7.4





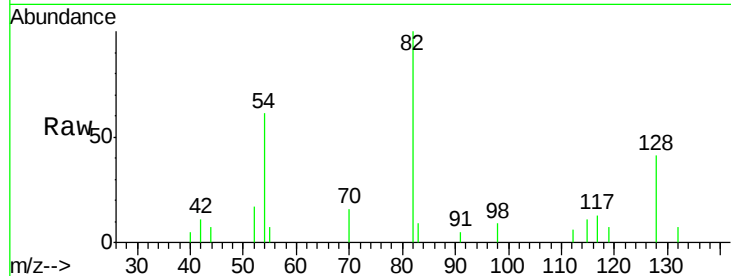
#23
 Nitrobenzene-d5
 Concen: 1.220 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Instrument :
 BNA_F
 ClientSampled :
 B1DL

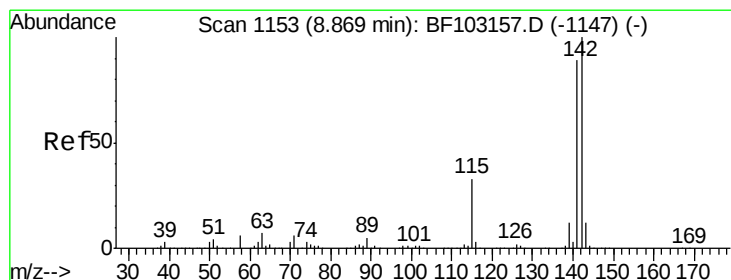
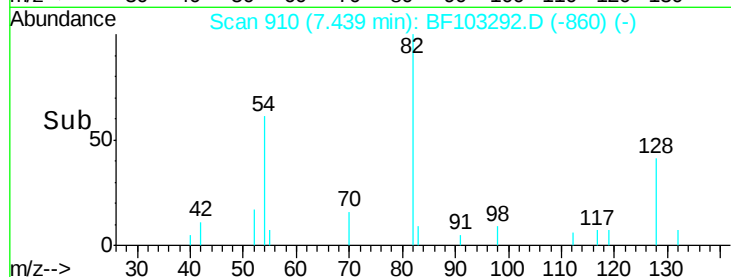
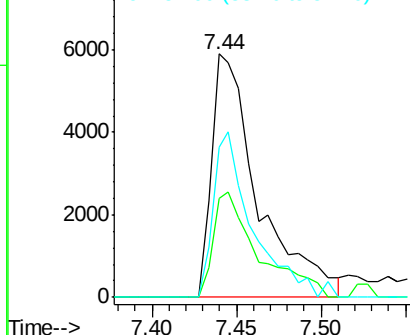
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.5	36.1	54.1
54	61.5	41.4	62.2

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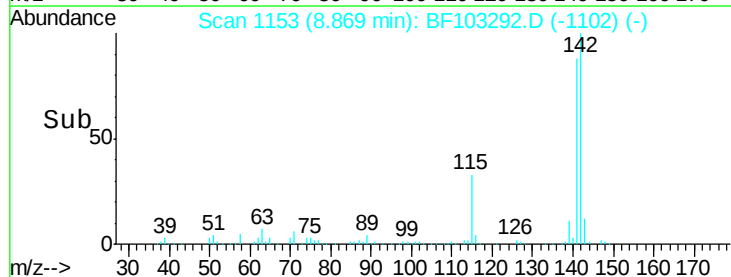
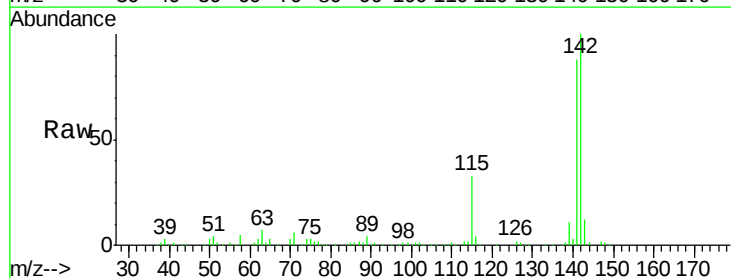
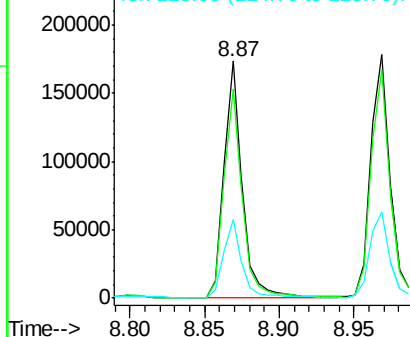
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 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

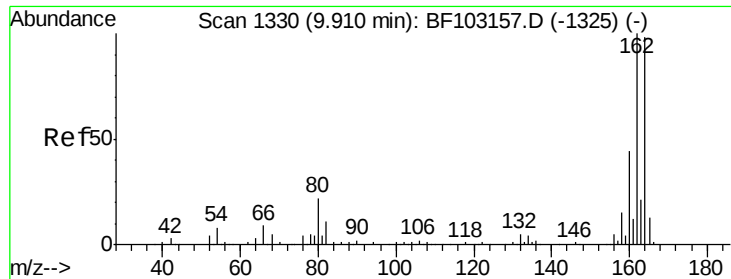


#37
 2-Methylnaphthalene
 Concen: 9.050 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	33.2	26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): BF1
 Ion 141.00 (140.70 to 141.70): BF1
 Ion 115.00 (114.70 to 115.70): BF1





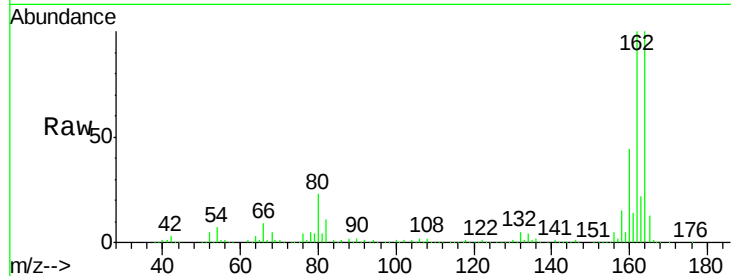
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Instrument :
BNA_F
ClientSampleId :
B1DL

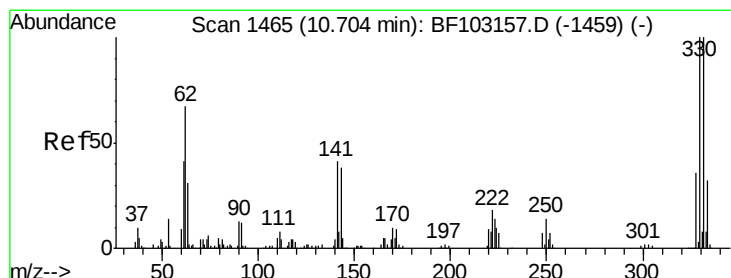
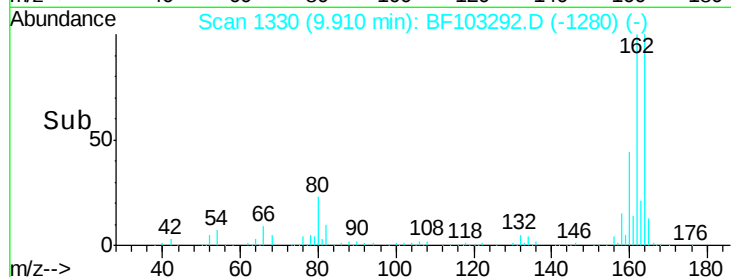
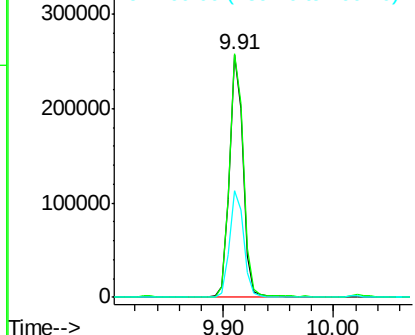
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	86.1	129.1	
160	43.9	38.3	57.5	

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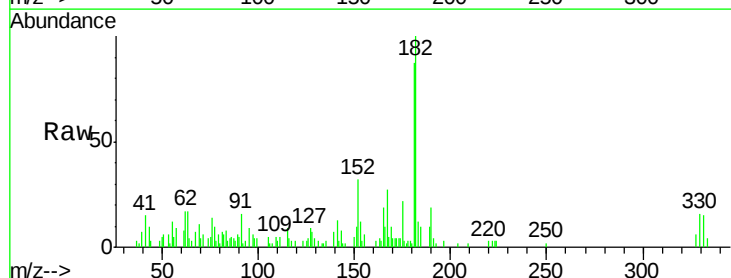


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

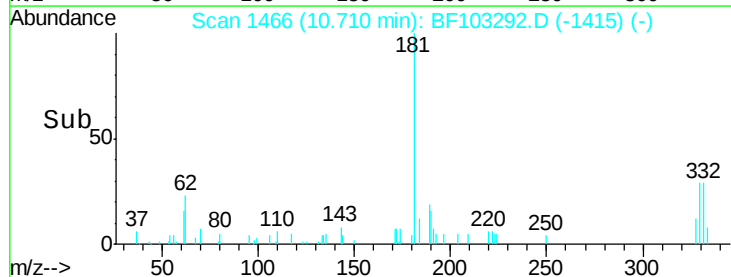
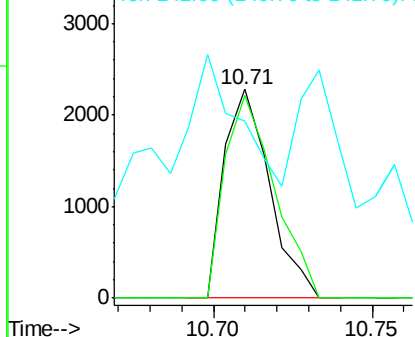


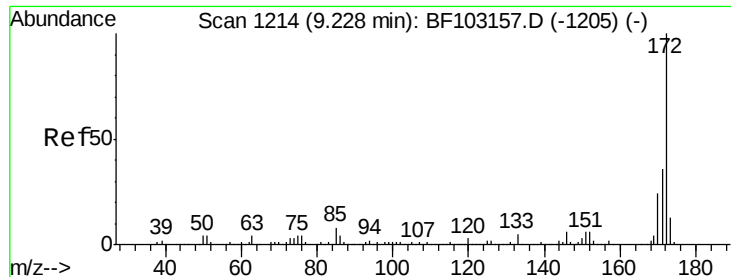
#41
2,4,6-Tribromophenol
Concen: 1.187 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	106.2	77.0	115.6	
141	113.4	29.9	44.9	



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





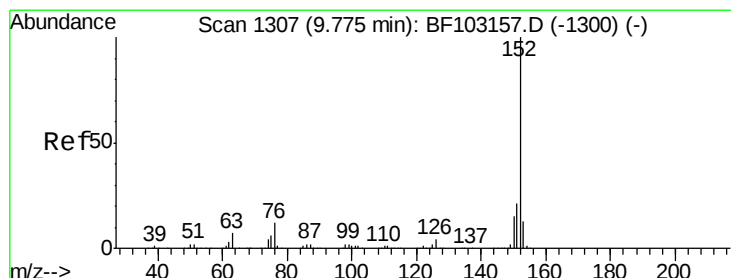
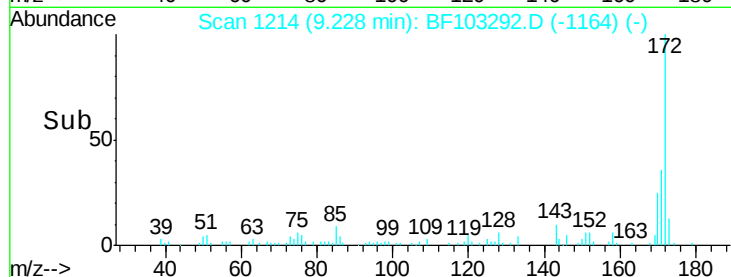
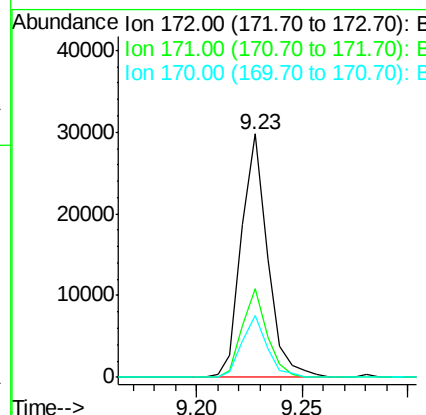
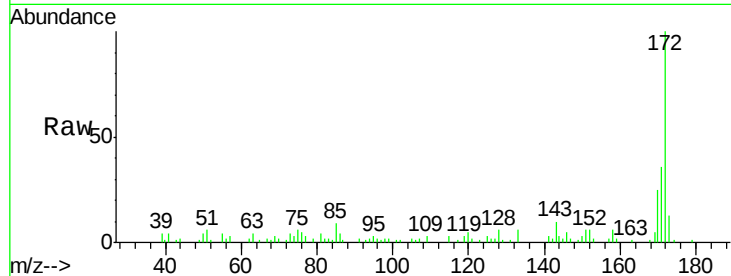
#44
2-Fluorobiphenyl
Concen: -1.000 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Instrument :
BNA_F
ClientSampled :
B1DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	25.2	19.6	29.4

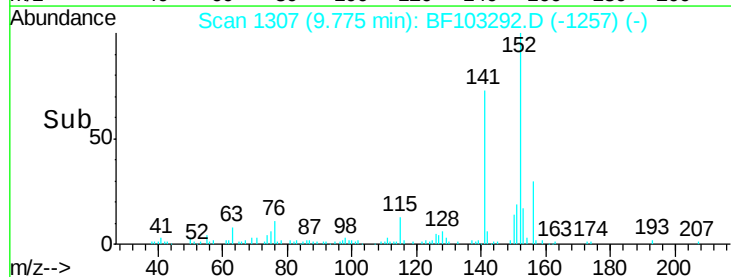
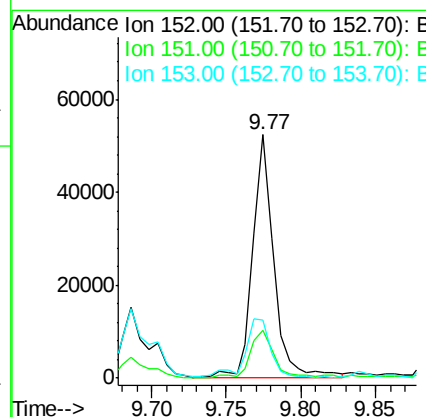
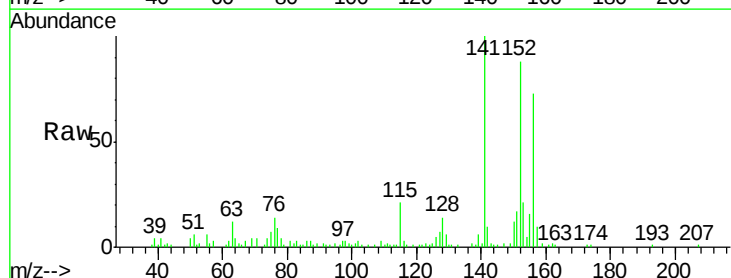
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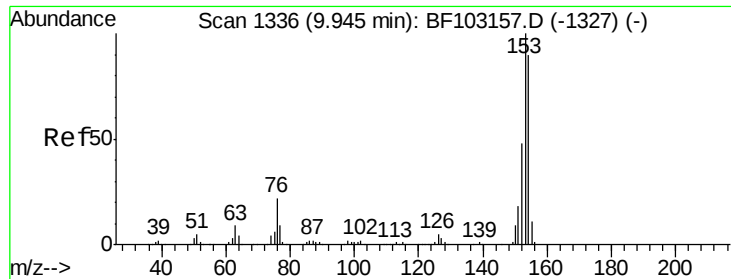
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#48
Acenaphthylene
Concen: 2.253 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	23.9	10.7	16.1#





#51

Acenaphthene

Concen: 4.974 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Instrument :

BNA_F

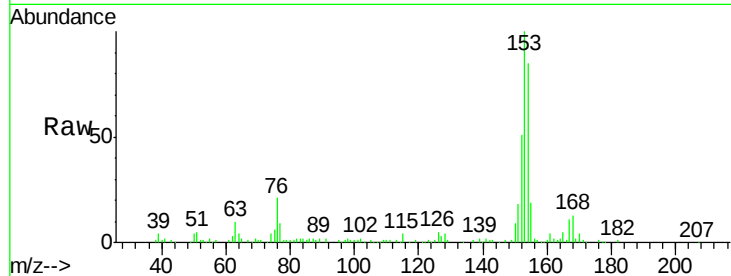
ClientSampleId :

B1DL

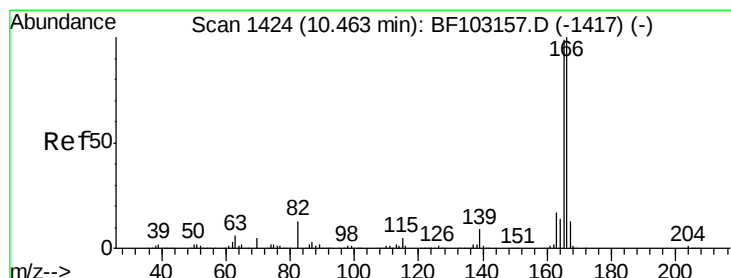
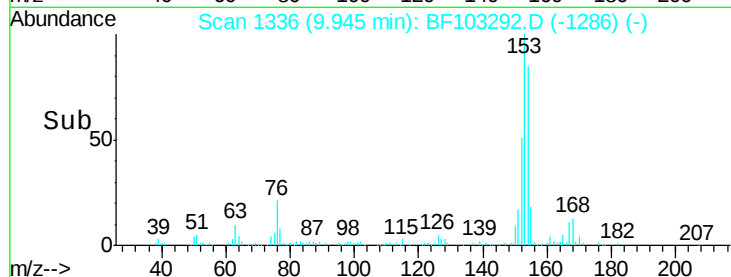
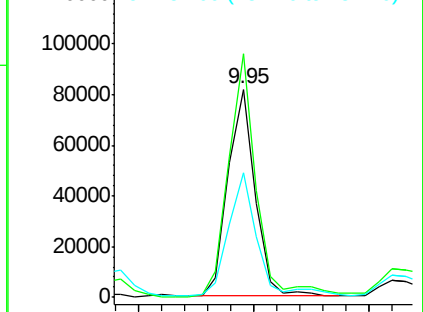
Tot Ion:	154	Resp:	66490
Ion Ratio	Lower	Upper	
154	100		
153	117.0	91.2	136.8
152	60.1	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 10.073 ng

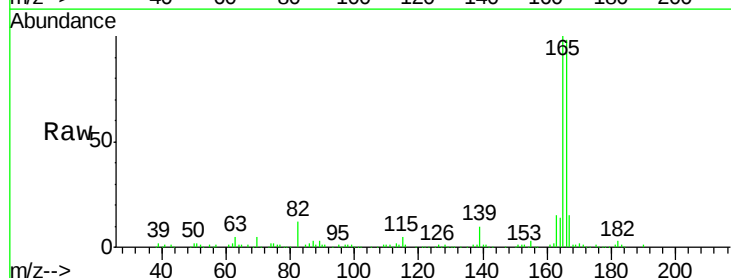
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

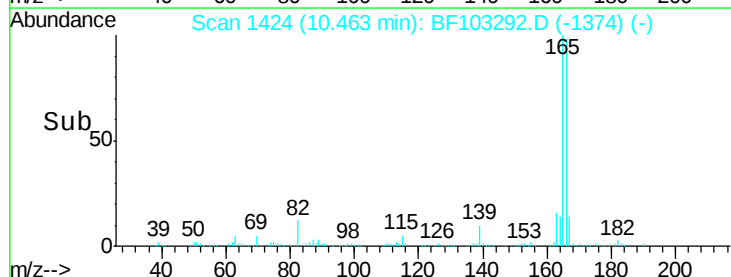
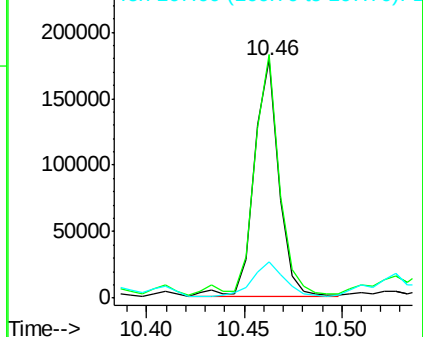
Lab File: BF103292.D

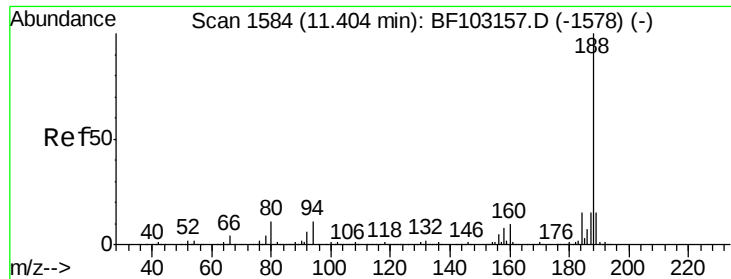
Acq: 28 Feb 2018 8:10

Tgt Ion:	166	Resp:	157458
Ion Ratio	Lower	Upper	
166	100		
165	102.2	79.8	119.8
167	15.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Instrument :

BNA_F

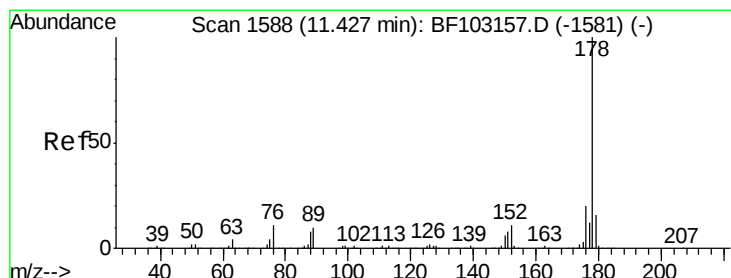
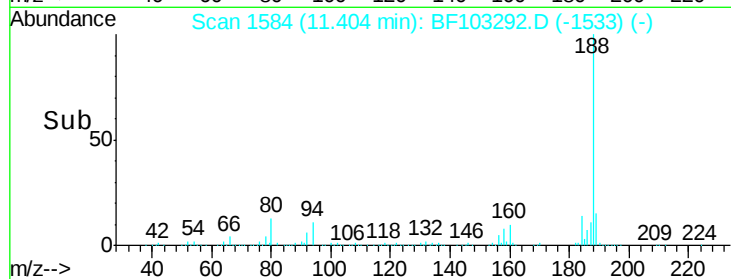
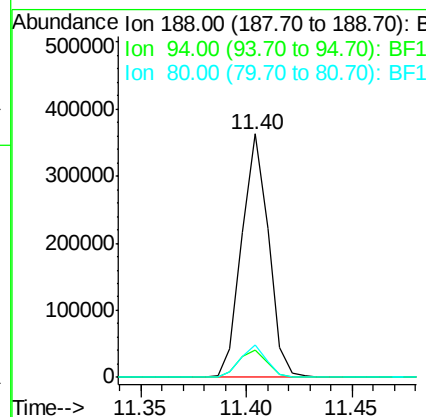
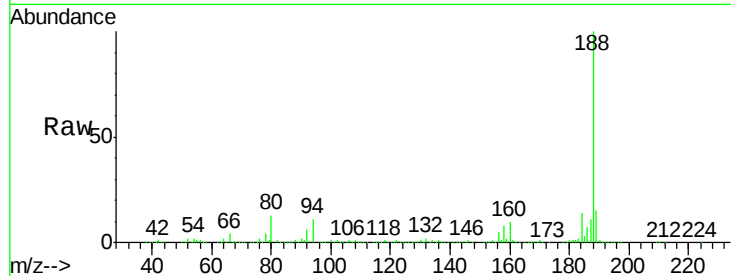
ClientSampled :

B1DL

Tot Ion:	188	Resp:	318533
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	13.1	9.2	13.8

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#70

Phenanthrene

Concen: 43.388 ng

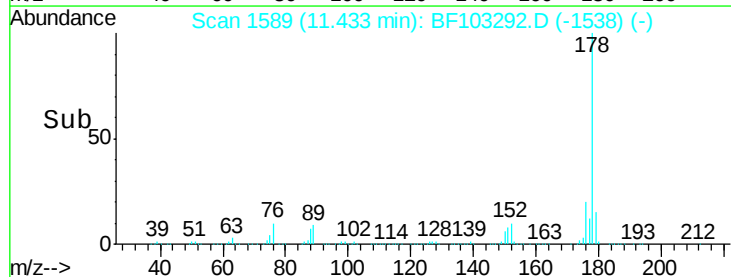
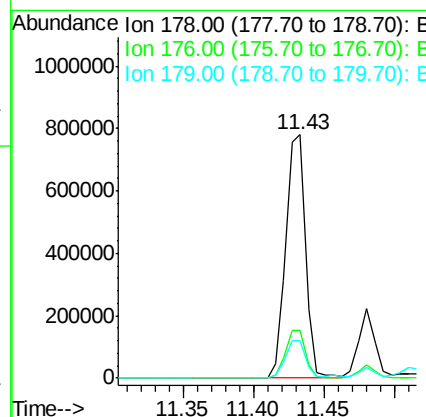
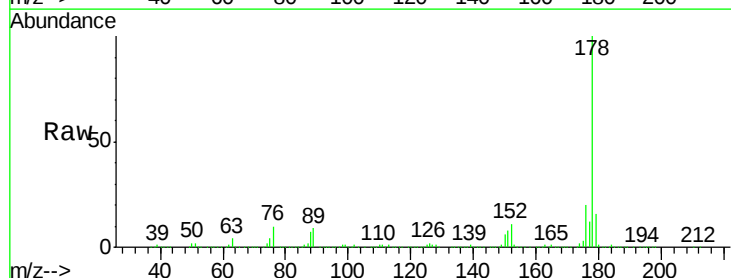
RT: 11.43 min Scan# 1589

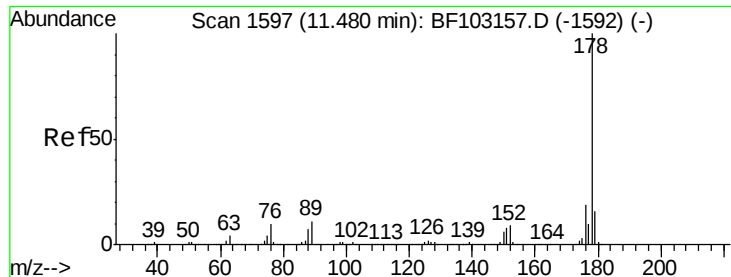
Delta R.T. -0.00 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Tgt Ion:	178	Resp:	760578
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.8	23.8
179	15.7	13.0	19.6





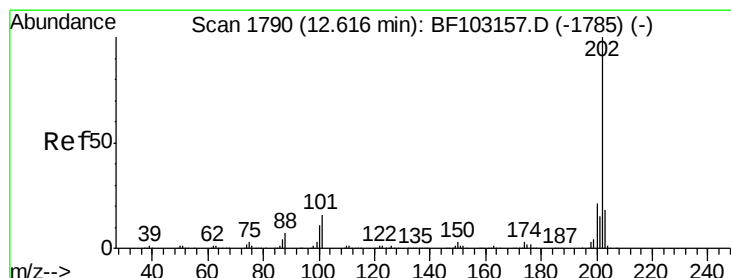
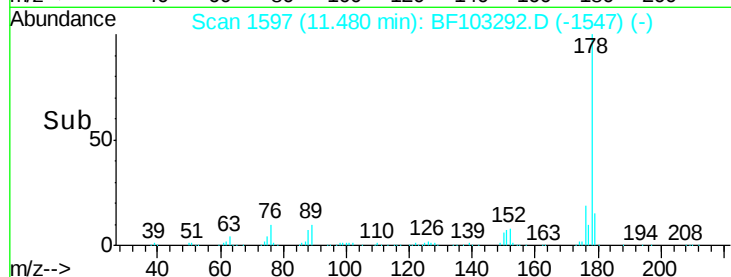
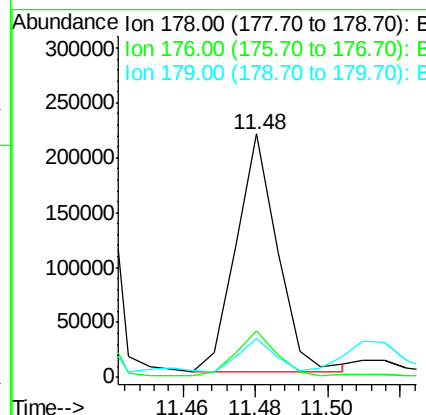
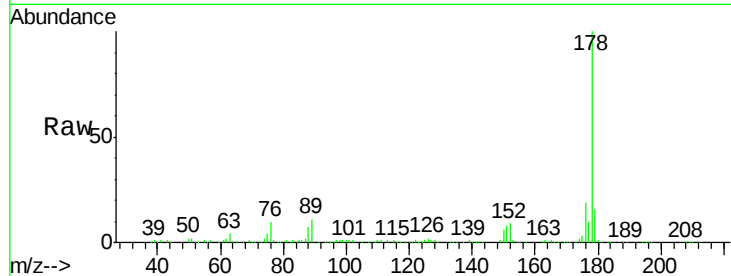
#71
 Anthracene
 Concen: 9.523 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Instrument :
 BNA_F
 ClientSampled :
 B1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.0	12.6	19.0

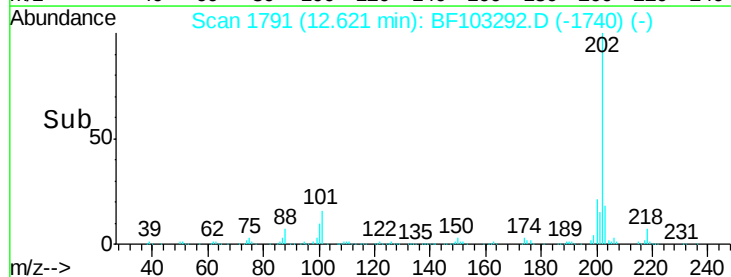
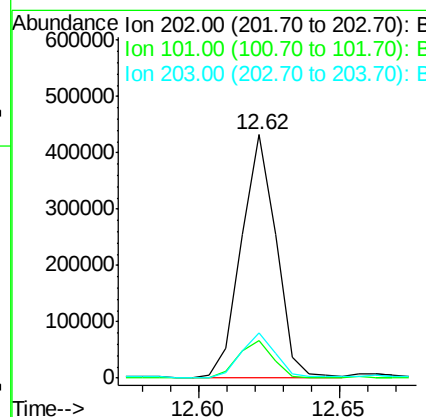
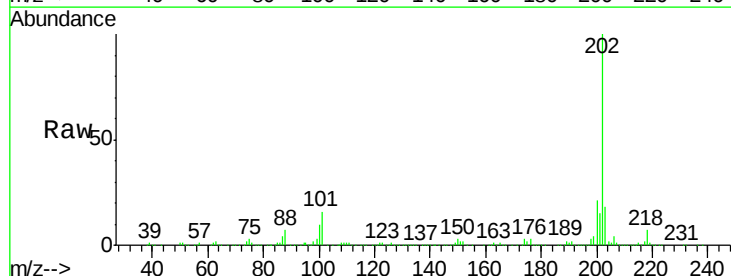
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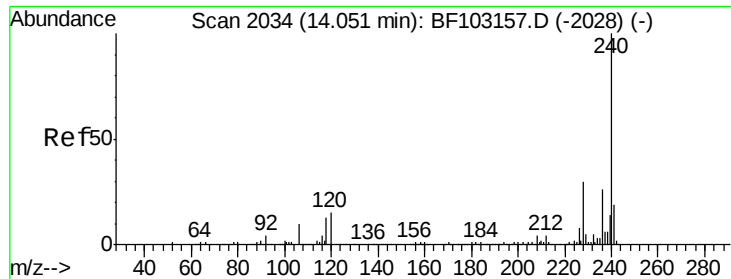
Sohil
 2/28/2018 11:18:15 AM



#74
 Fluoranthene
 Concen: 20.884 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.6	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Instrument :

BNA_F

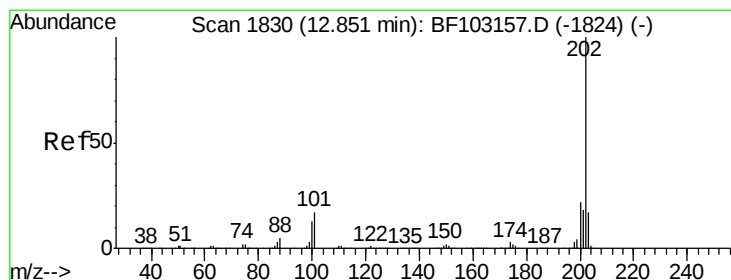
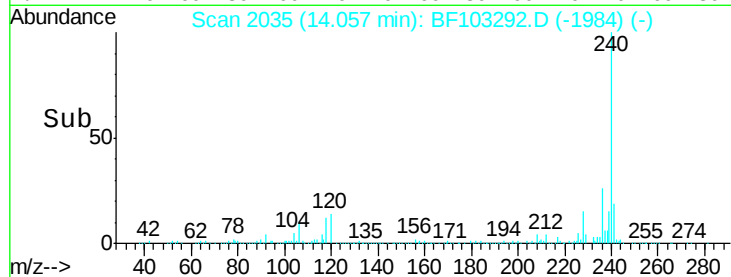
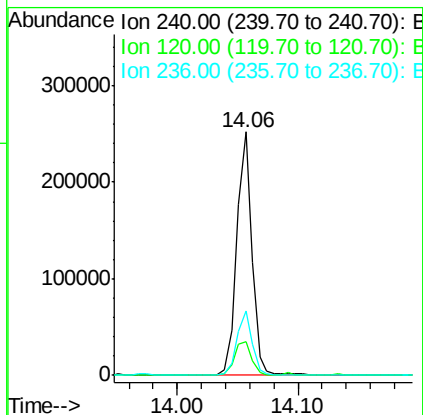
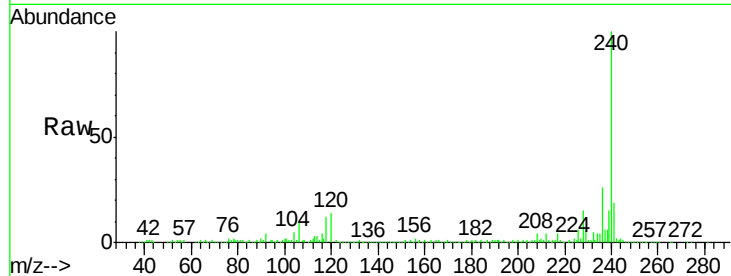
ClientSampled :

B1DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	9.5	14.3
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 35.370 ng

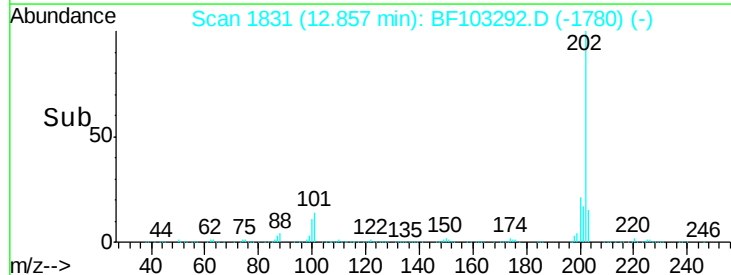
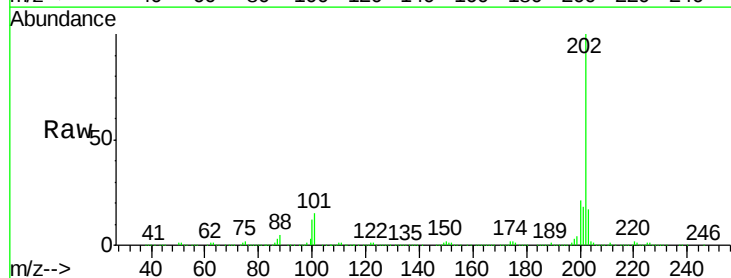
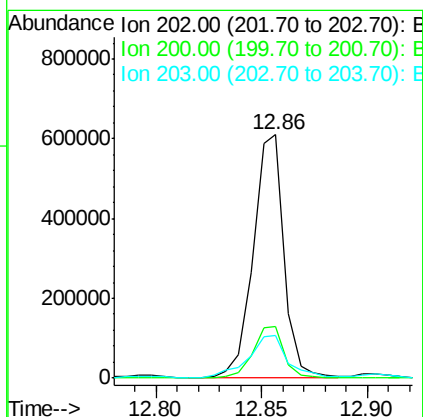
RT: 12.86 min Scan# 1831

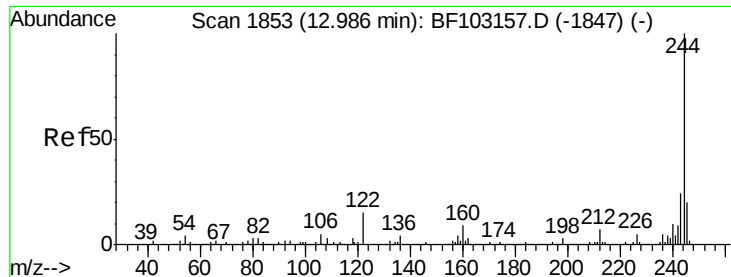
Delta R.T. -0.00 min

Lab File: BF103292.D

Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.5	14.3	21.5





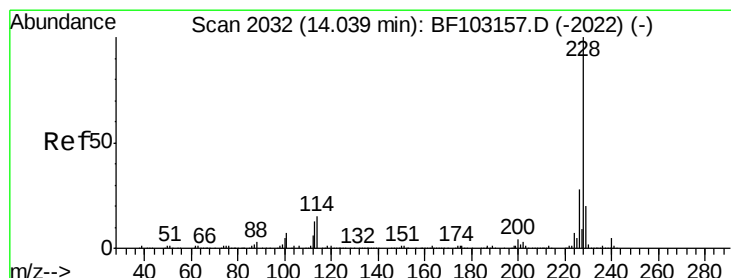
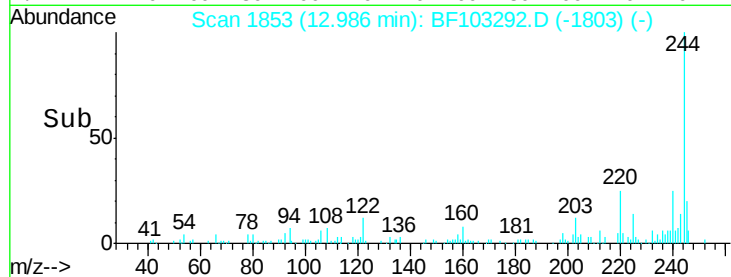
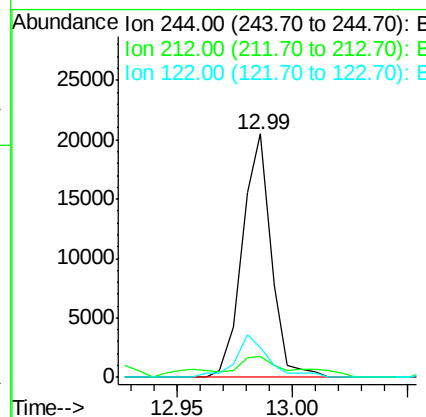
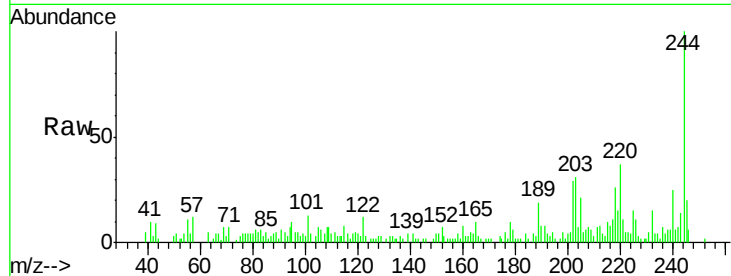
#78
 Terphenyl-d14
 Concen: 1.929 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Instrument :
 BNA_F
 ClientSampled :
 B1DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.4	8.0
122	12.2	11.0	16.4

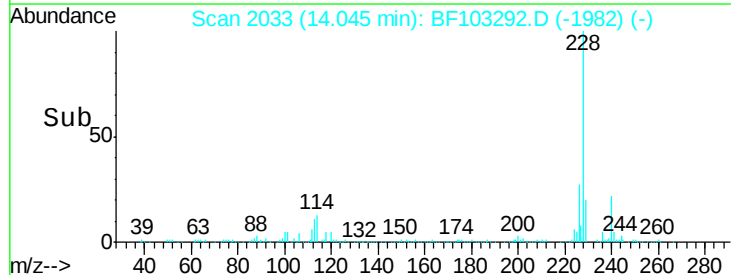
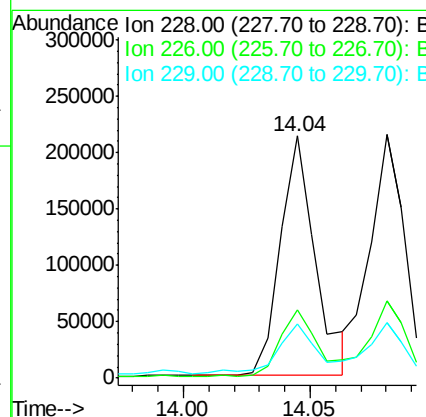
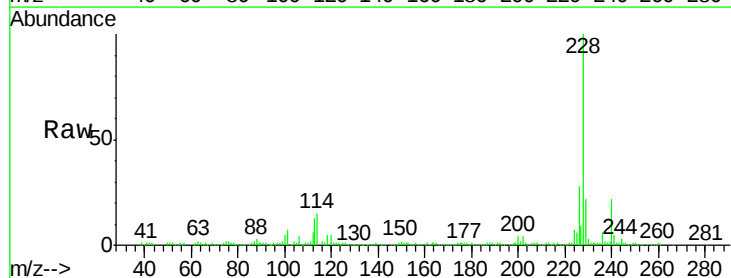
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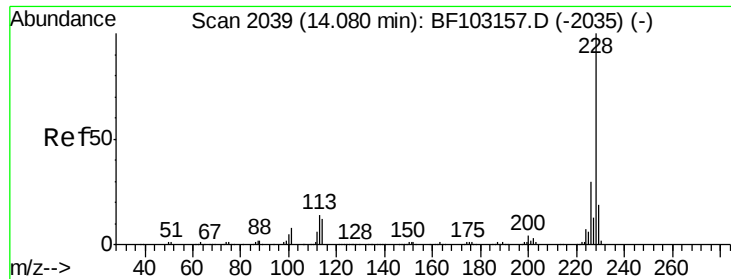
Sohil
 2/28/2018 11:18:15 AM



#80
 Benzo(a)anthracene
 Concen: 14.236 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	22.3	15.8	23.6





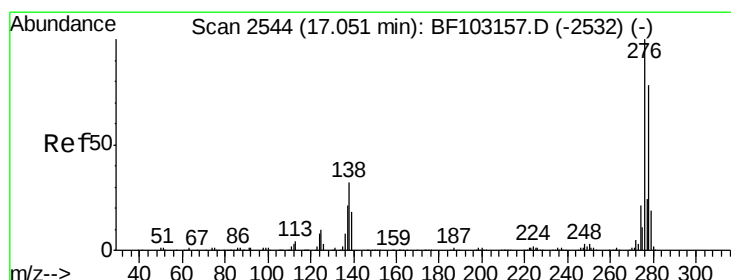
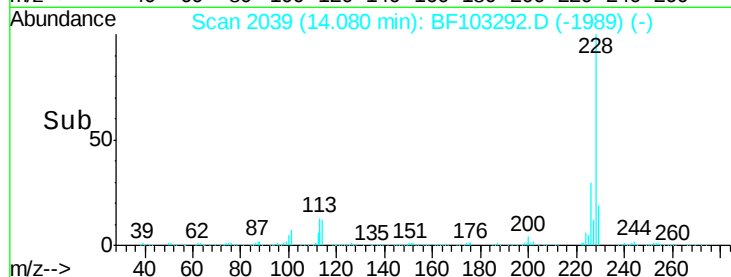
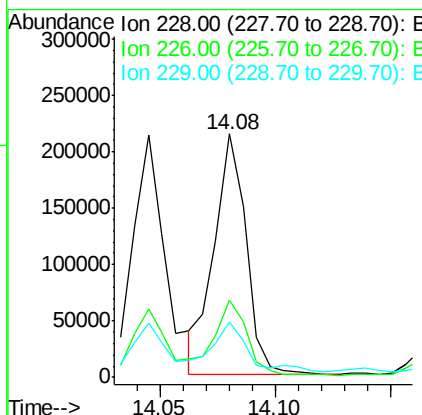
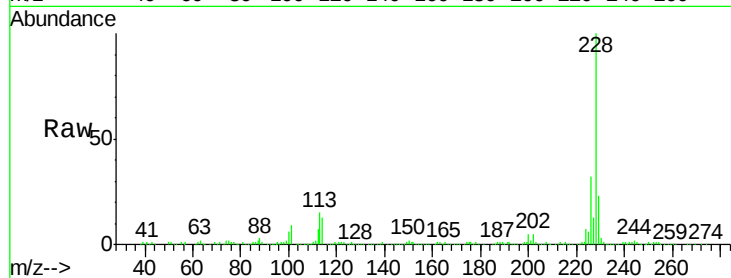
#82
Chrysene
Concen: 14.751 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Instrument :
BNA_F
ClientSampled :
B1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.8	16.2	24.4

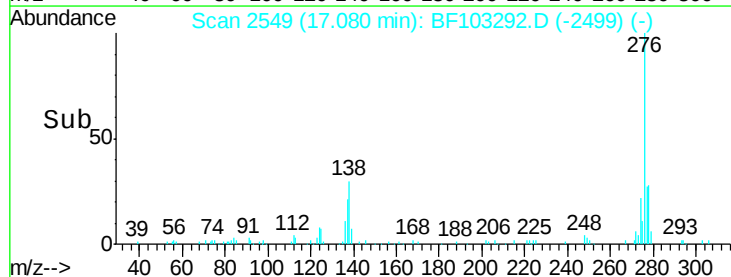
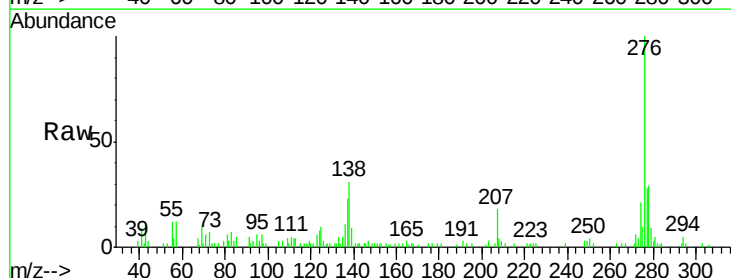
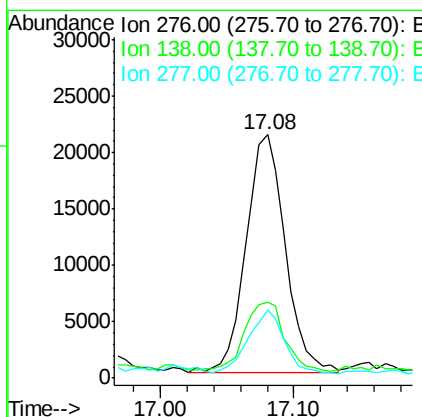
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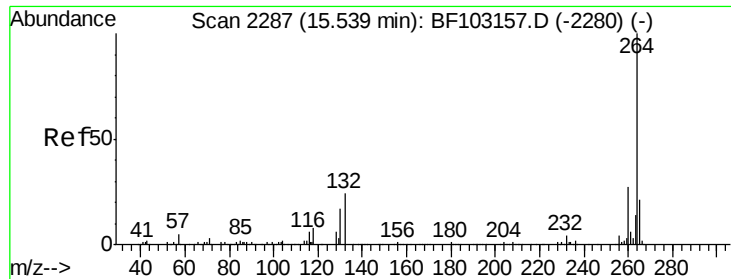
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.833 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.3	25.0	37.6
277	24.9	20.1	30.1





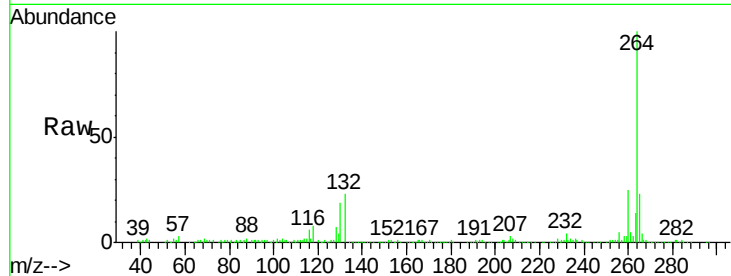
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Instrument :
BNA_F
ClientSampleId :
B1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.6	17.5	26.3

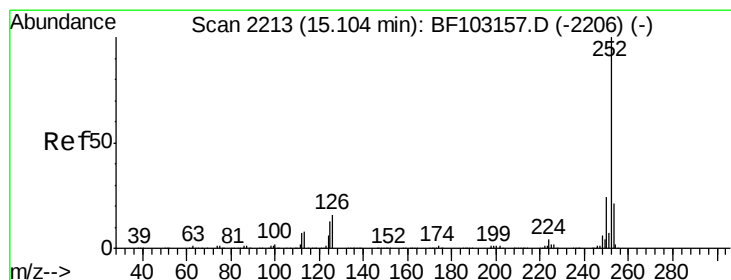
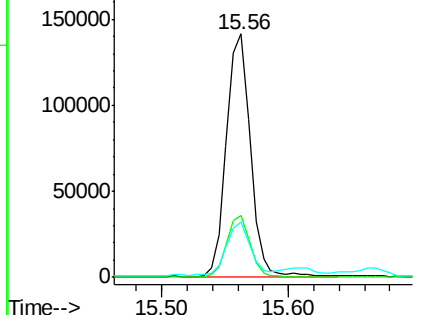
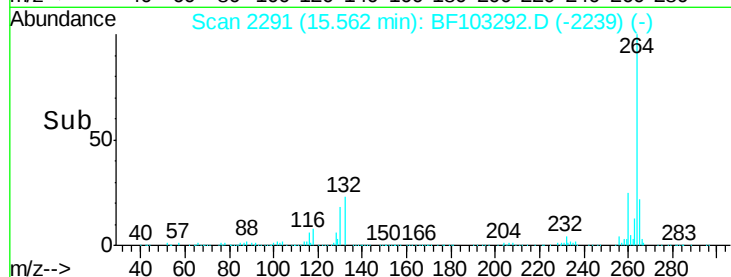
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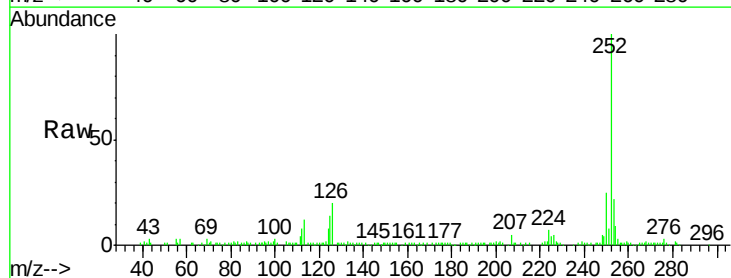
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

15.56



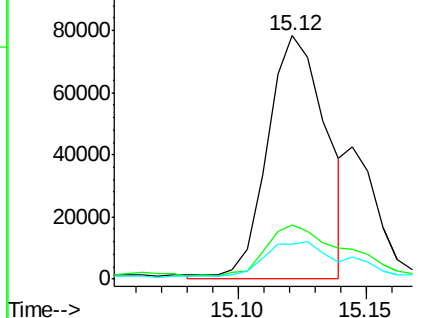
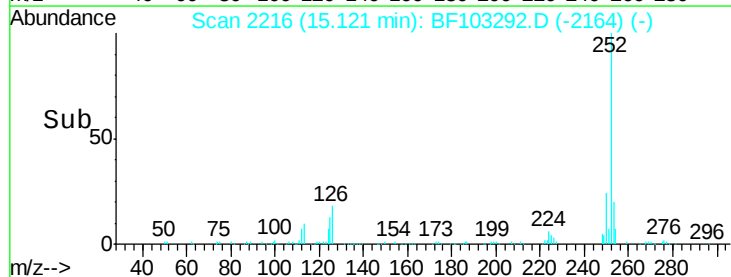
#87
Benzo(b)fluoranthene
Concen: 10.252 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

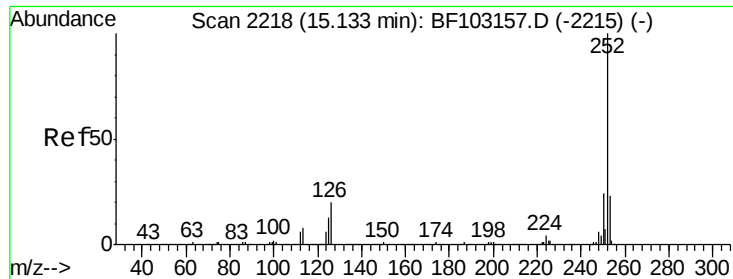
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.3	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

15.12





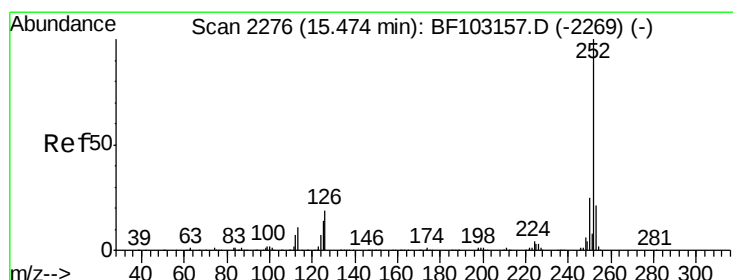
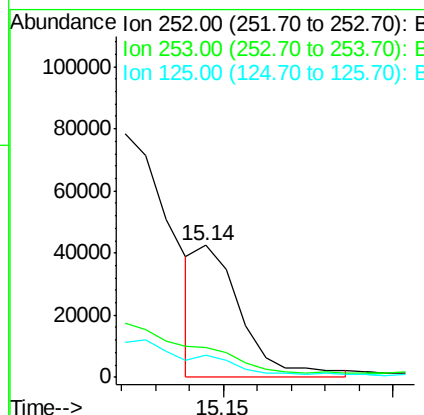
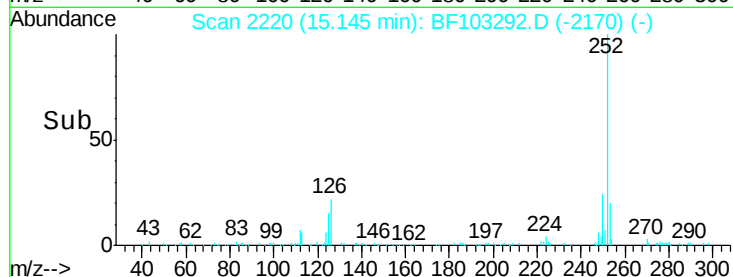
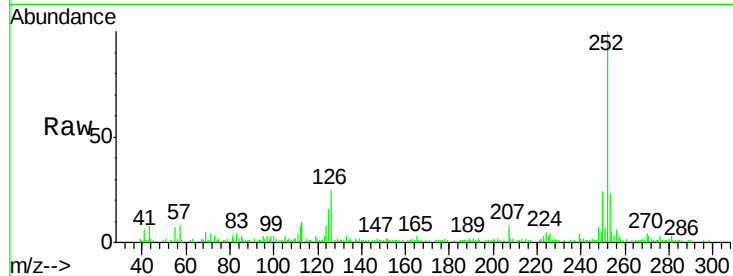
#88
Benzo(k)fluoranthene
Concen: 3.405 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Instrument :
BNA_F
ClientSampleID :
B1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.5	10.2	15.2

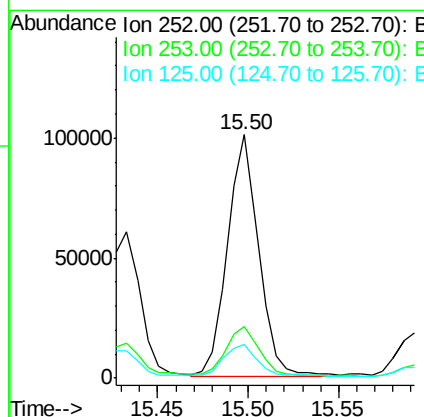
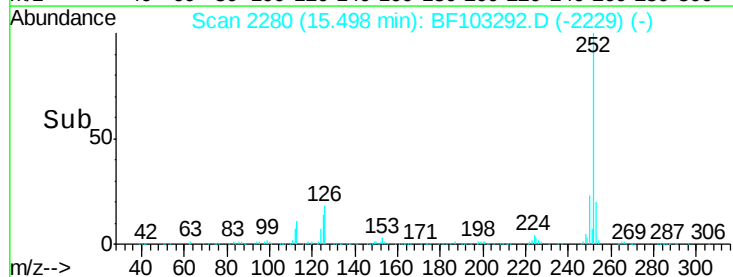
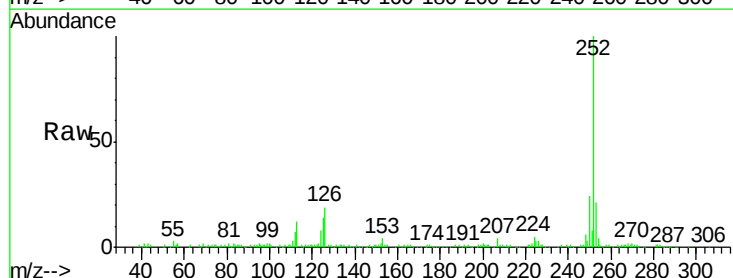
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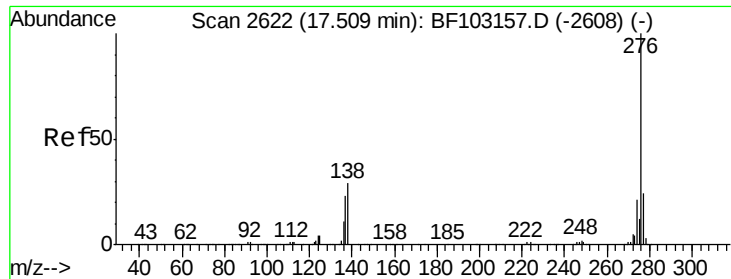
Sohil
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#89
Benzo(a)pyrene
Concen: 11.023 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF103292.D
Acq: 28 Feb 2018 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.1	25.7
125	14.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.237 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.00 min
 Lab File: BF103292.D
 Acq: 28 Feb 2018 8:10

Instrument :
 BNA_F
 ClientSampleId :
 B1DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	30.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:18:15 AM

