

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF103008.D
 Acq On : 15 Feb 2018 8:35
 Operator : SJ/JU
 Sample : J1539-20DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(4-9)DL

Manual Integrations
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 2/15/2018 11:06:51 AM

Quant Time: Feb 15 10:31:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169335	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	692992	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	285817	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	438980	20.00	ng	0.00
75) Chrysene-d12	14.05	240	316174	20.00	ng	0.01
86) Perylene-d12	15.53	264	259264	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	235303	21.10	ng	0.00
7) Phenol-d6	6.50	99	289459	21.56	ng	0.00
23) Nitrobenzene-d5	7.43	82	171292	17.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	47017	20.44	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	278899	16.19	ng	0.00
78) Terphenyl-d14	12.99	244	209317	15.68	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	173710	7.795	ng	100
57) Fluorene	10.46	166	42397	2.349	ng	99
70) Phenanthrene	11.43	178	673390	27.543	ng	99
71) Anthracene	11.48	178	188108	7.565	ng	98
72) Carbazole	11.63	167	69915	2.870	ng	97
74) Fluoranthene	12.62	202	819416	33.312	ng	99
77) Pyrene	12.85	202	809442	32.648	ng	100
80) Benzo(a)anthracene	14.04	228	421233	21.184	ng	98
82) Chrysene	14.07	228	372497	18.584	ng	96
85) Indeno(1,2,3-cd)pyrene	17.03	276	156324	9.403	ng	93
87) Benzo(b)fluoranthene	15.10	252	389097m	23.148	ng	
88) Benzo(k)fluoranthene	15.12	252	126920m	7.902	ng	
89) Benzo(a)pyrene	15.47	252	278526	18.409	ng	# 91
90) Dibenzo(a,h)anthracene	17.04	278	41866	3.409	ng	# 83
91) Benzo(a,h,i)perylene	17.49	276	143113	11.906	ng	93

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

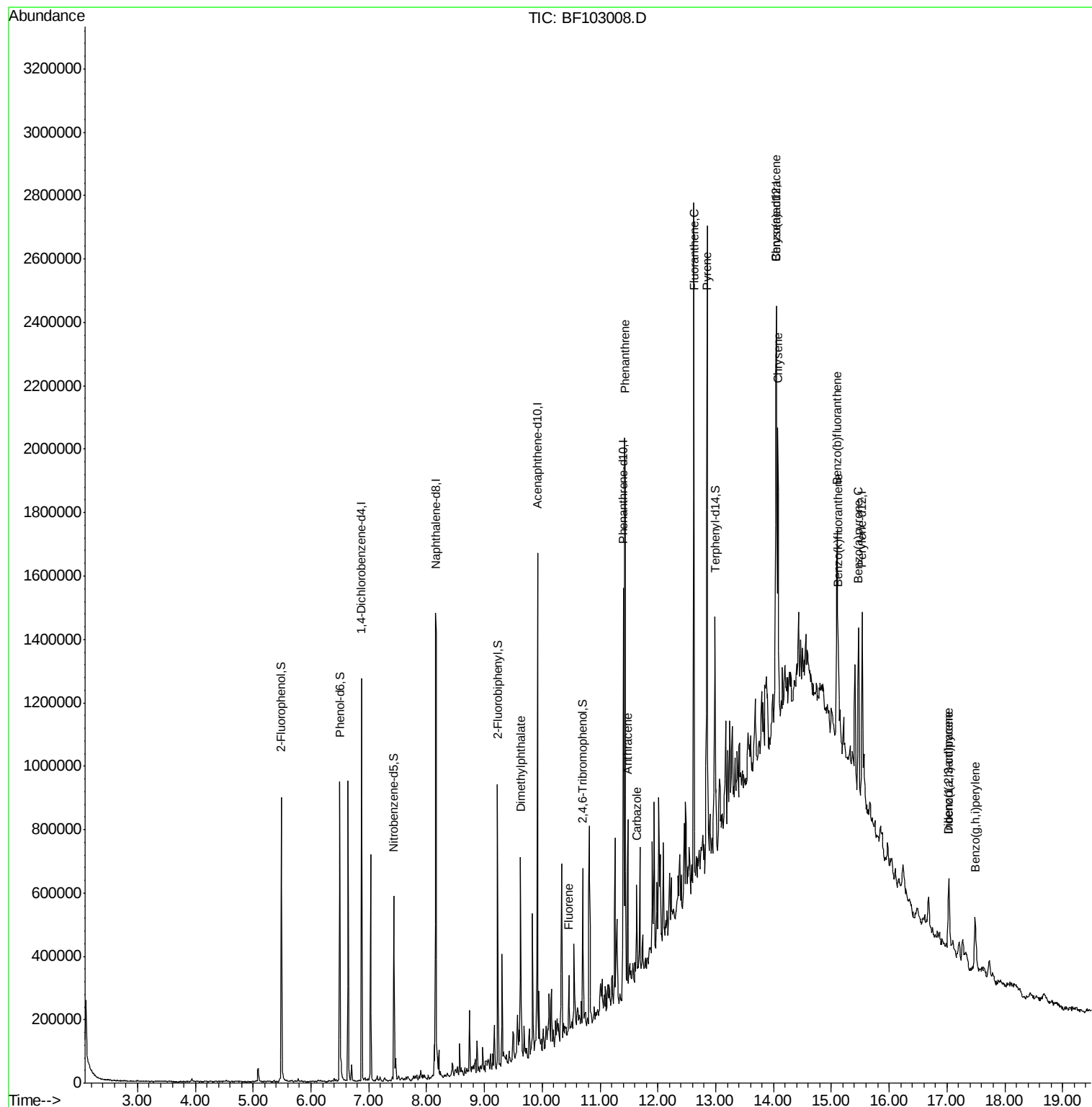
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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ALS Vial : 31 Sample Multiplier: 1

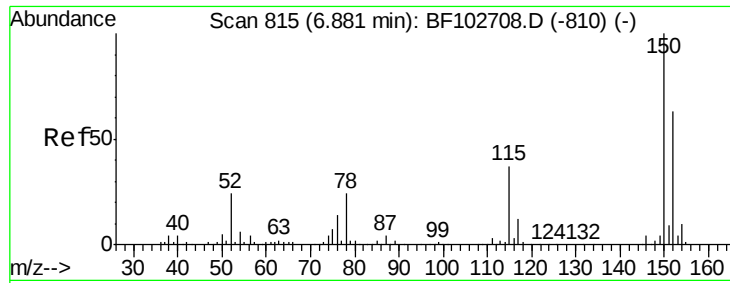
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#1

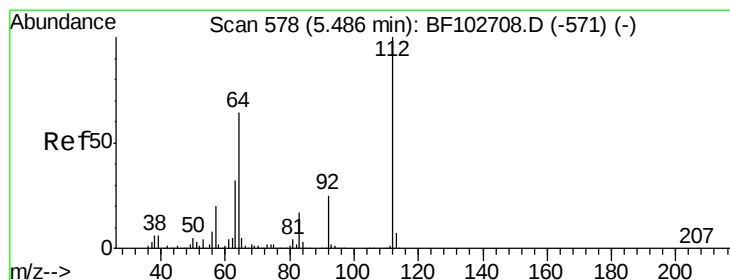
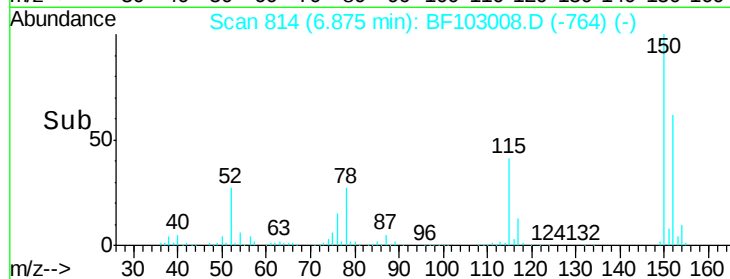
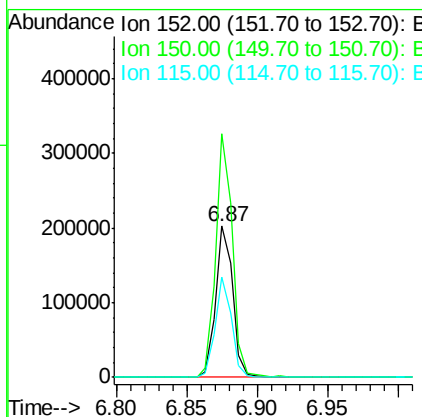
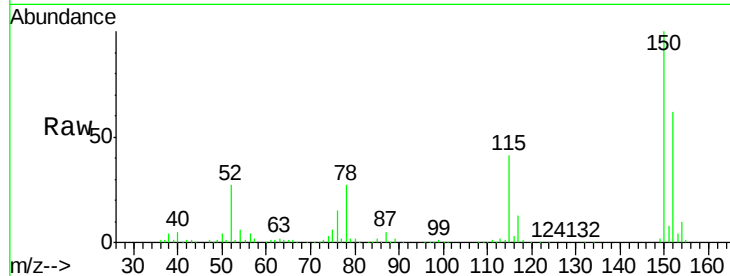
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.6	186.8
115	66.6	50.1	75.1

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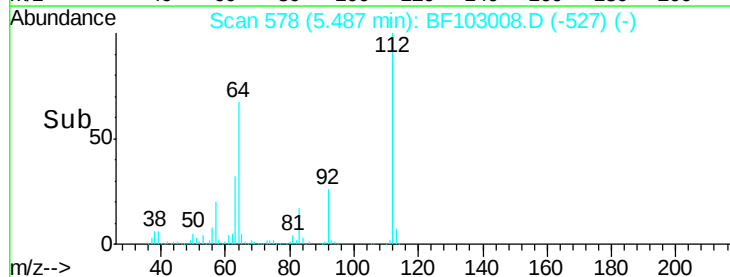
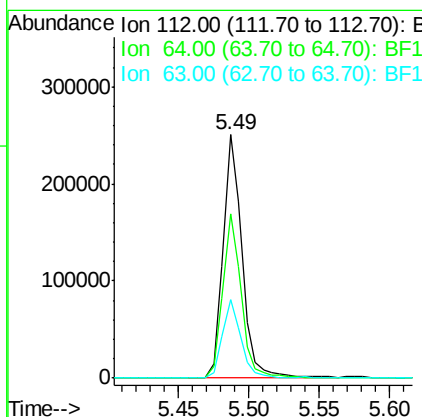
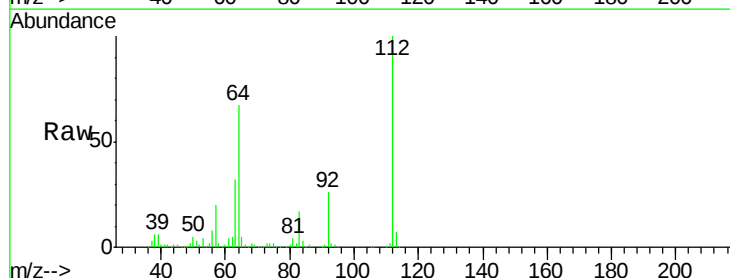
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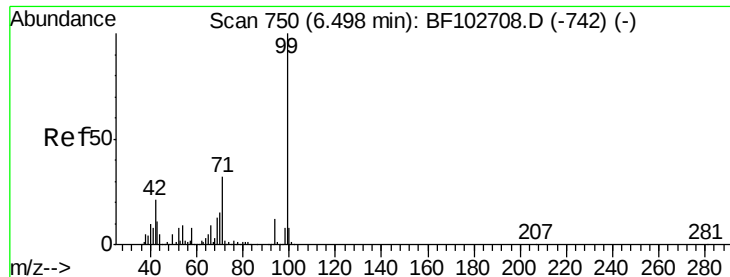


#5

2-Fluorophenol
Concen: 21.103 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.00 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	47.9	71.9
63	32.0	23.7	35.5





#7

Phenol-d6

Concen: 21.560 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Instrument :

BNA_F

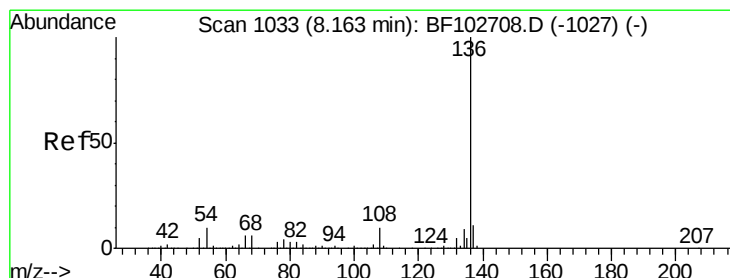
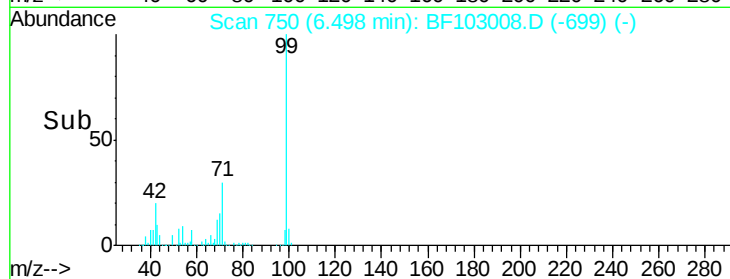
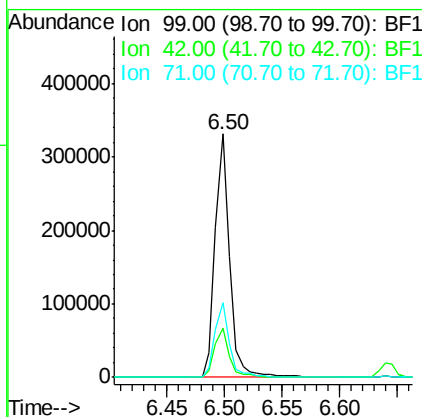
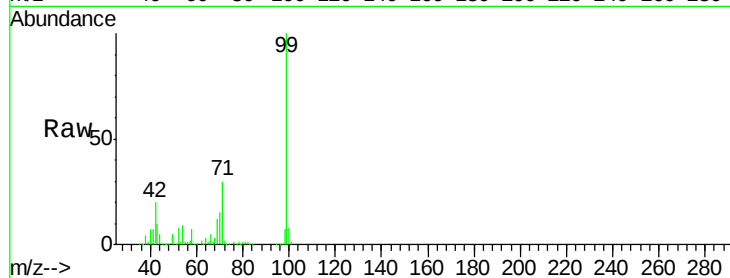
ClientSampleId :

CB-1-SW(4-9)DL

Tot Ion:	99	Resp:	289459
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	30.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

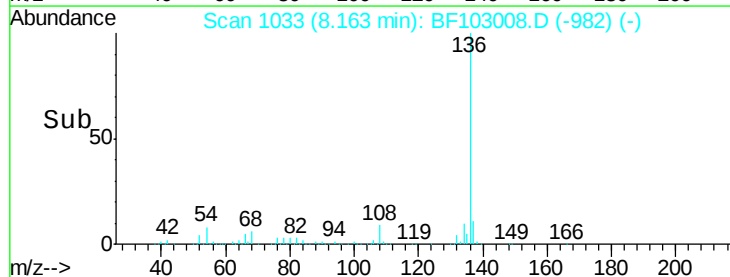
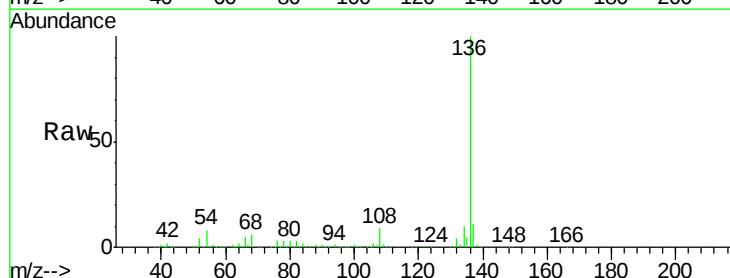
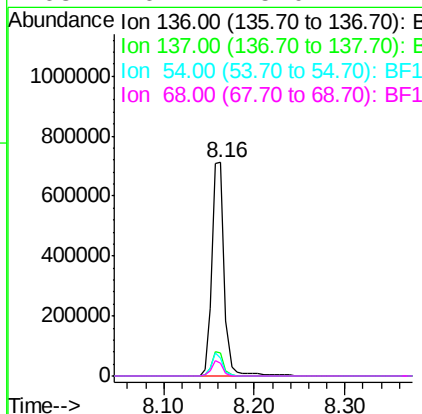
RT: 8.16 min Scan# 1033

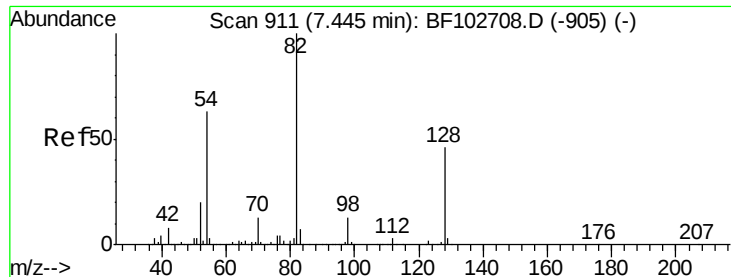
Delta R.T. 0.00 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Tgt Ion:	136	Resp:	692992
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.2	6.6	9.8
68	6.1	5.0	7.4





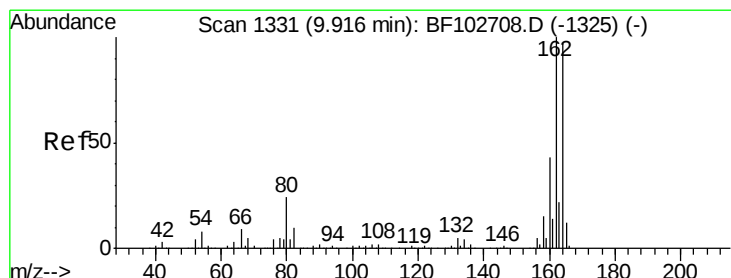
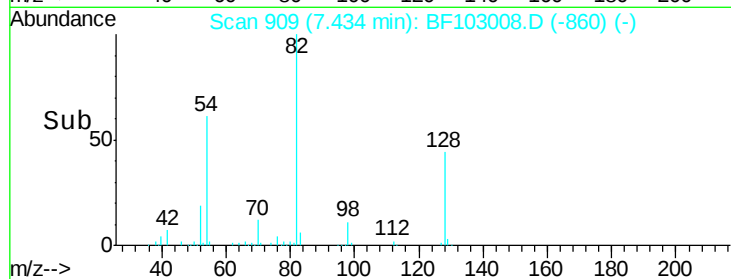
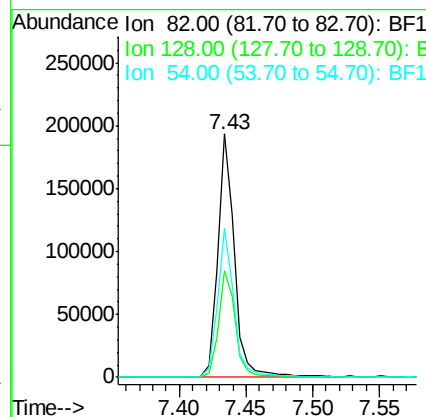
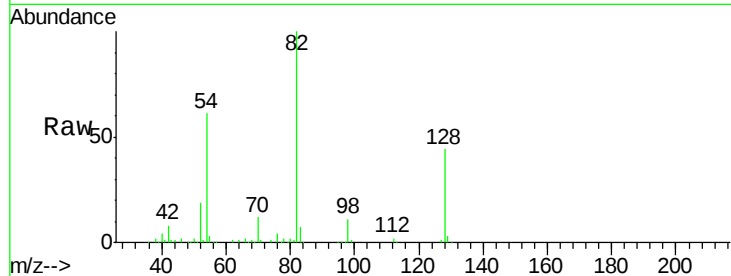
#23
 Nitrobenzene-d5
 Concen: 17.147 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Instrument :
 BNA_F
 ClientSampleID :
 CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	61.0	41.4	62.2

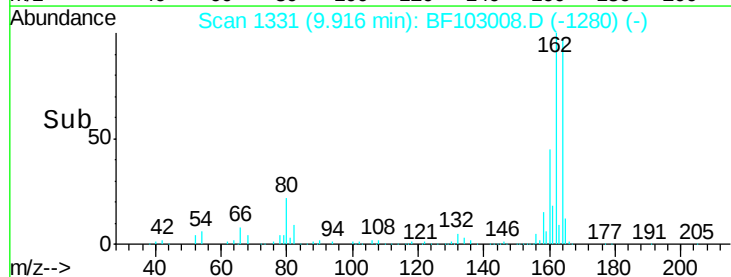
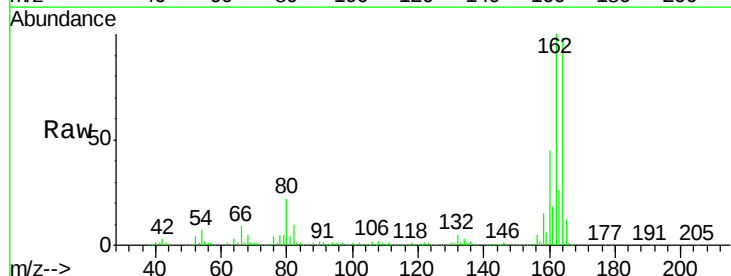
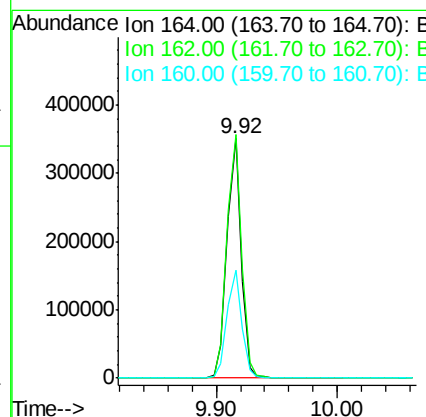
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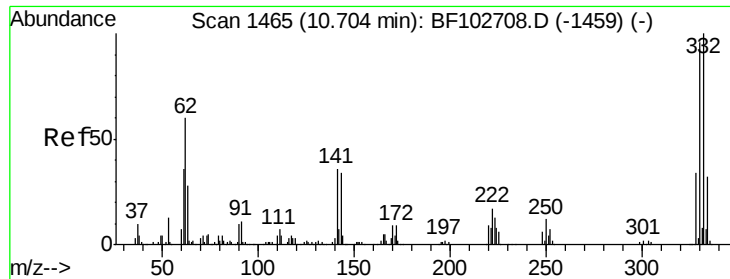
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	86.1	129.1
160	45.3	38.3	57.5





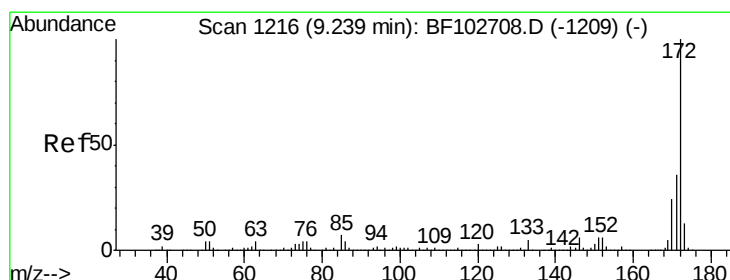
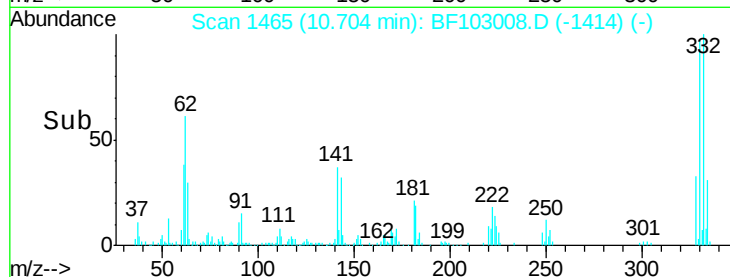
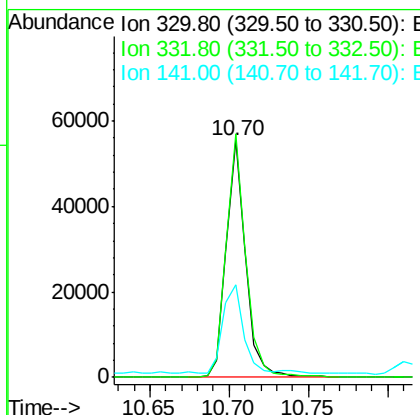
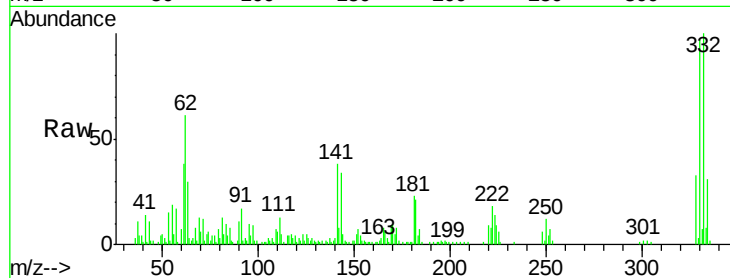
#41
 2,4,6-Tribromophenol
 Concen: 20.438 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(4-9)DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.5	77.0	115.6	
141	40.1	29.9	44.9	

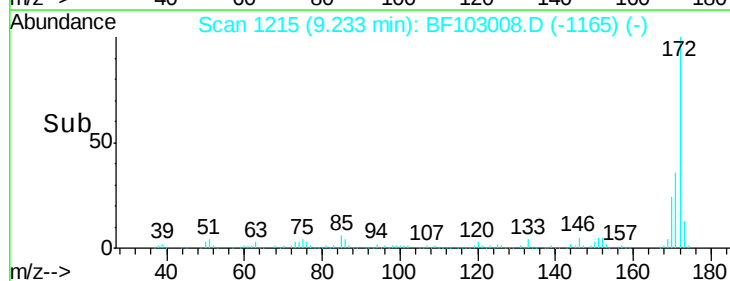
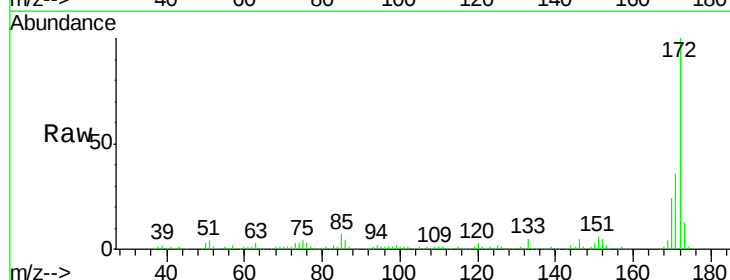
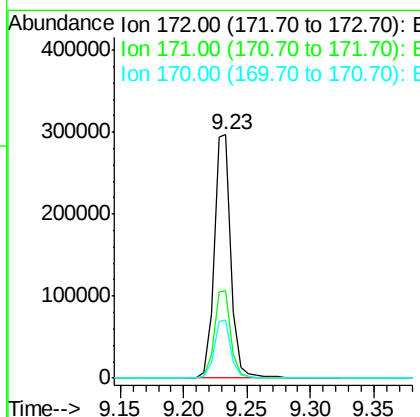
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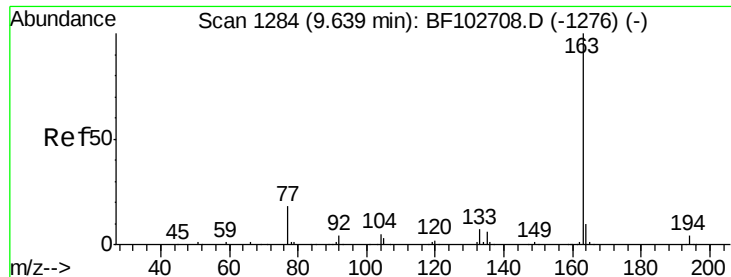
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#44
 2-Fluorobiphenyl
 Concen: 16.192 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.7	19.6	29.4	





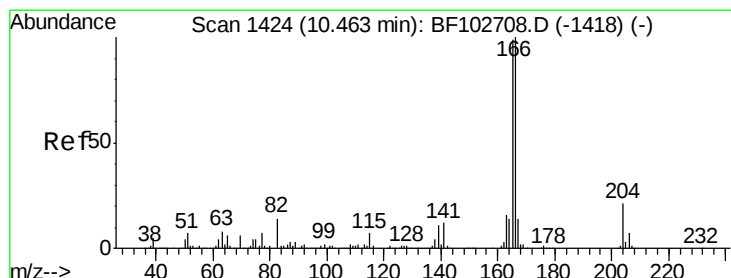
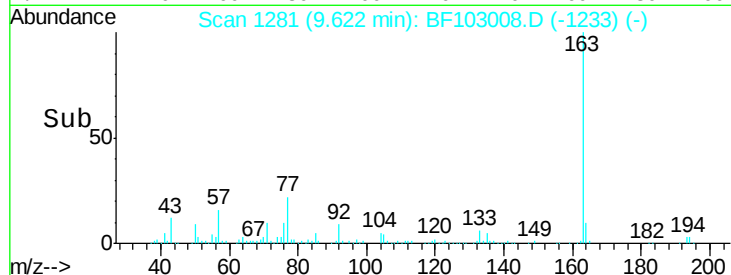
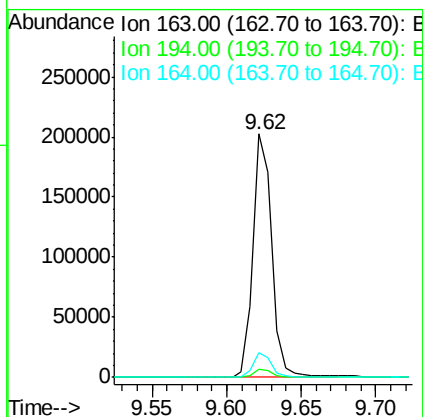
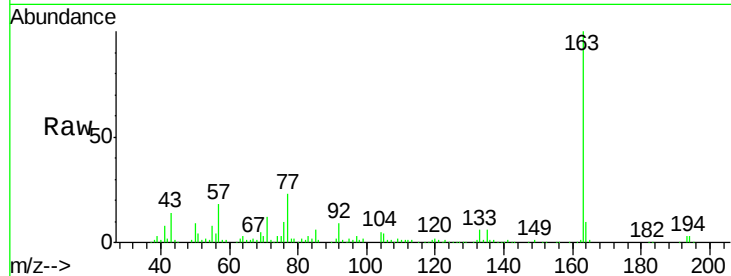
#49
Dimethylphthalate
Concen: 7.795 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Instrument :
BNA_F
ClientSampleID :
CB-1-SW(4-9)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.3		2.7	4.1	
164	10.2		8.2	12.2	

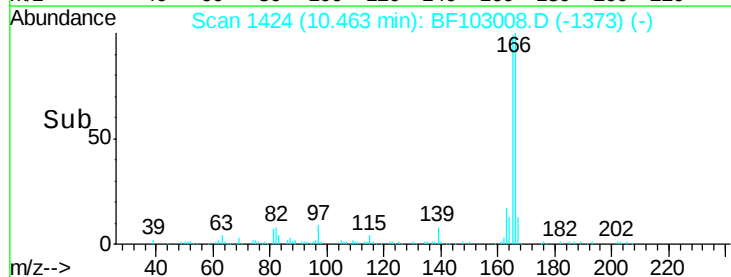
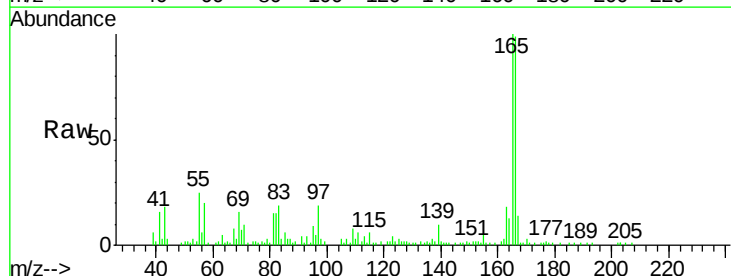
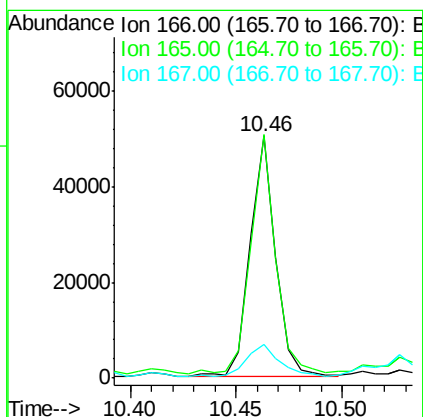
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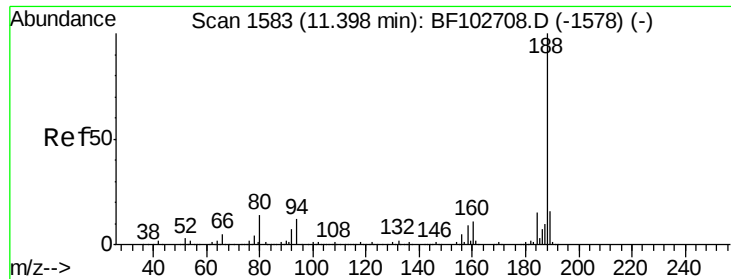
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#57
Fluorene
Concen: 2.349 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.7		79.8	119.8	
167	14.1		10.6	16.0	





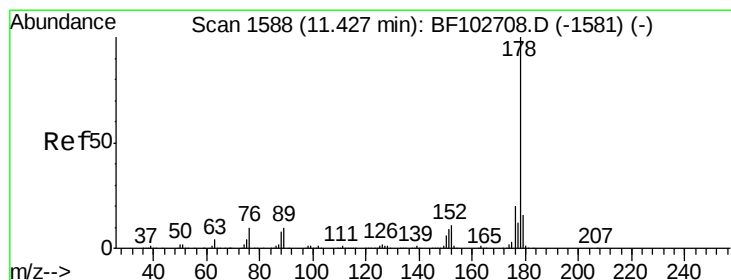
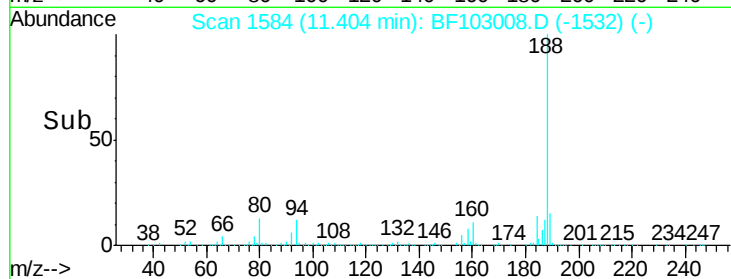
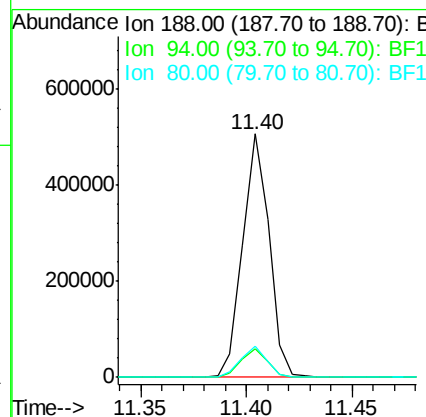
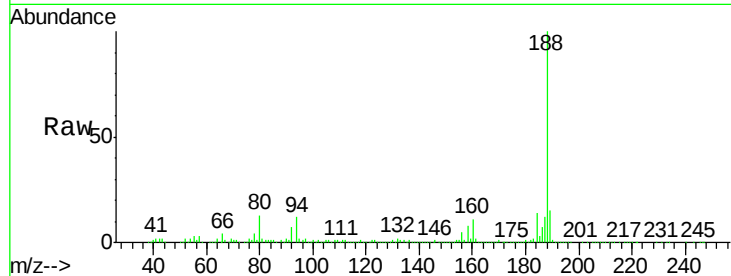
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(4-9)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	438980		
94	12.0		8.5	12.7
80	12.8		9.2	13.8

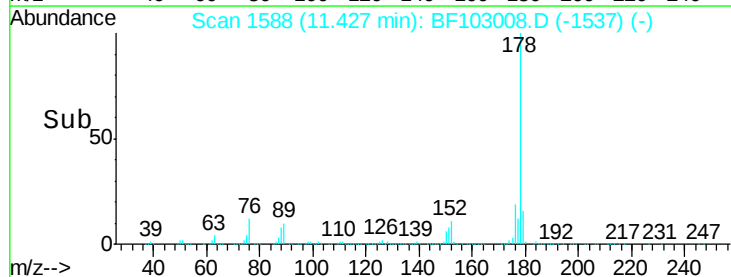
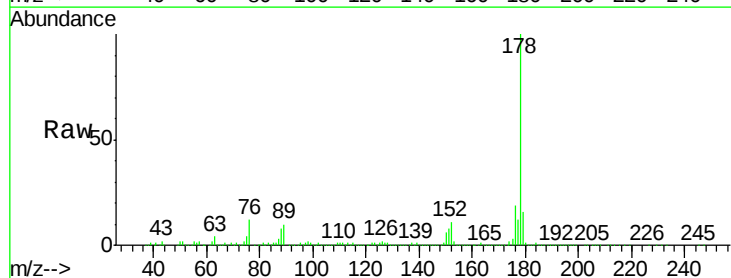
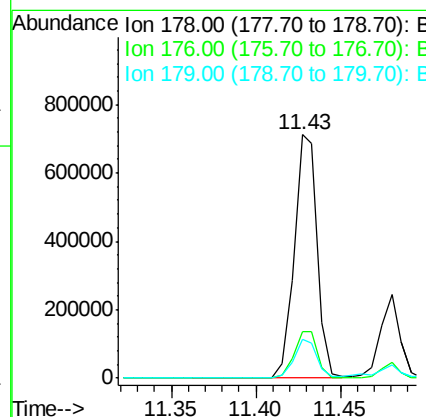
Manual Integrations
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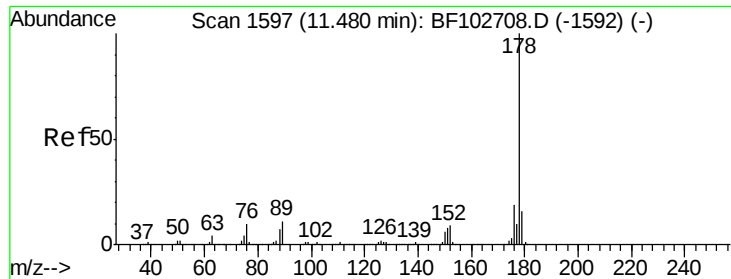
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#70
Phenanthrene
Concen: 27.543 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	673390		
176	19.2		15.8	23.8
179	16.0		13.0	19.6





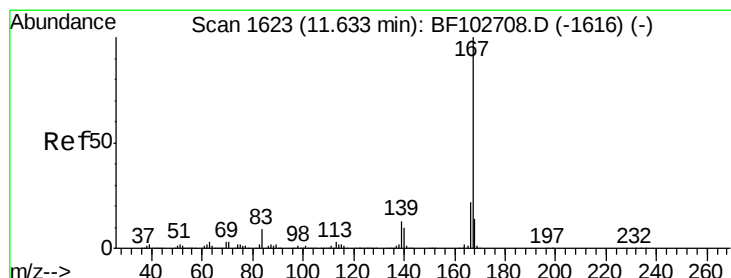
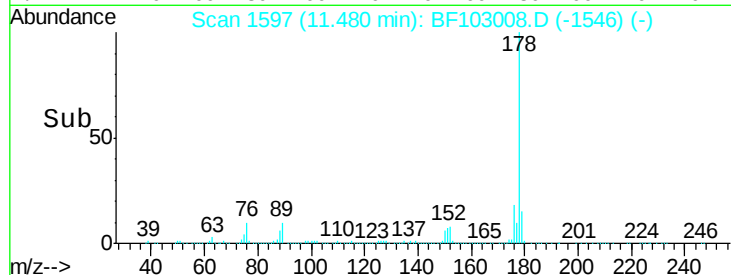
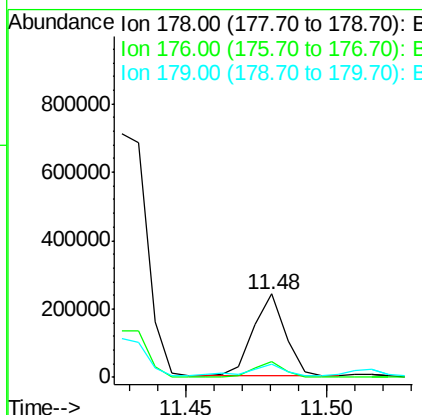
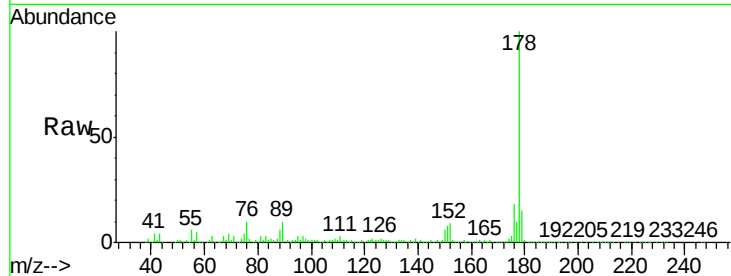
#71
 Anthracene
 Concen: 7.565 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.2	12.6	19.0

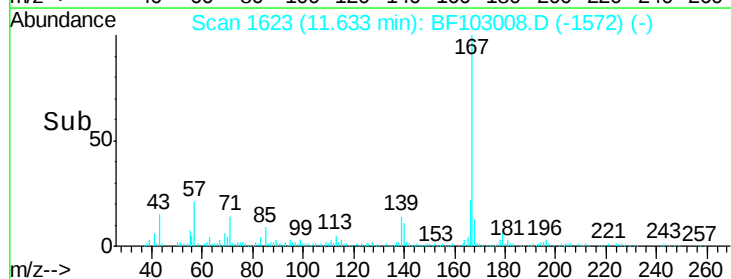
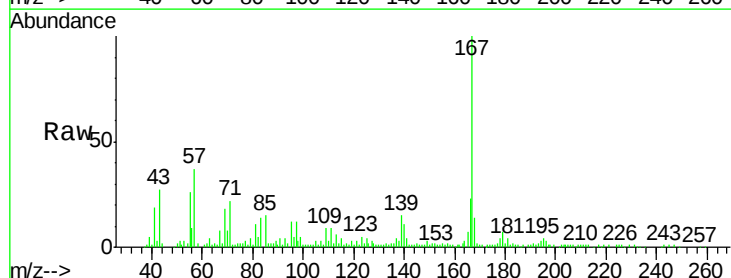
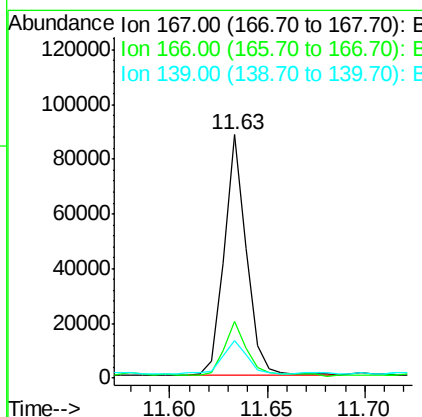
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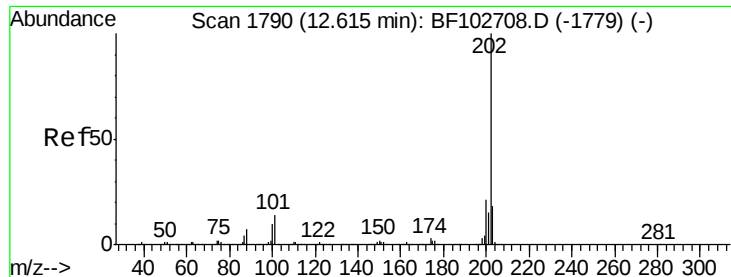
Sohil
 2/15/2018 11:06:51 AM



#72
 Carbazole
 Concen: 2.870 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.6	26.4
139	15.2	10.9	16.3





#74

Fluoranthene

Concen: 33.312 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Instrument :

BNA_F

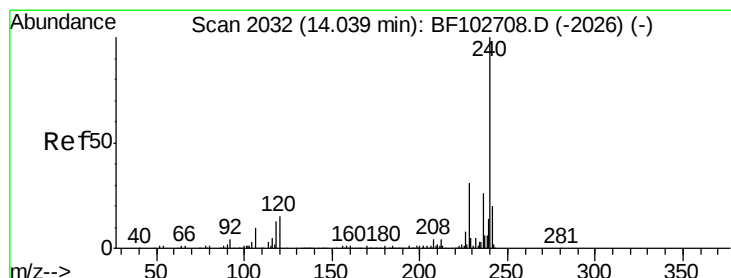
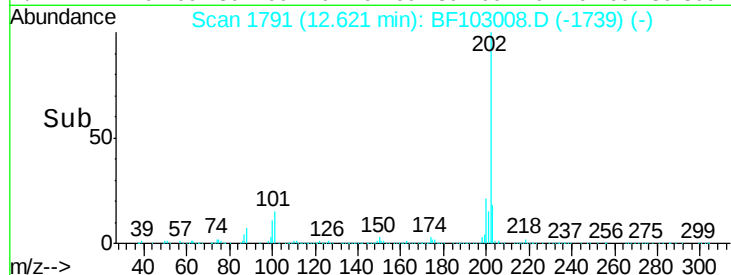
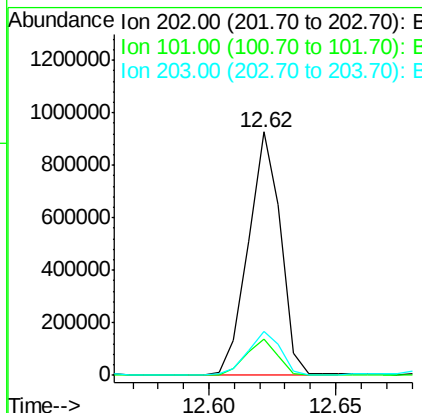
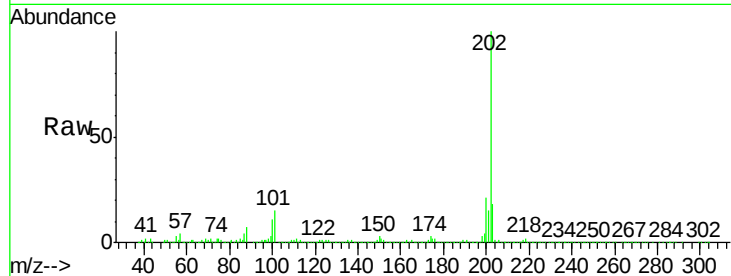
ClientSampleId :

CB-1-SW(4-9)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

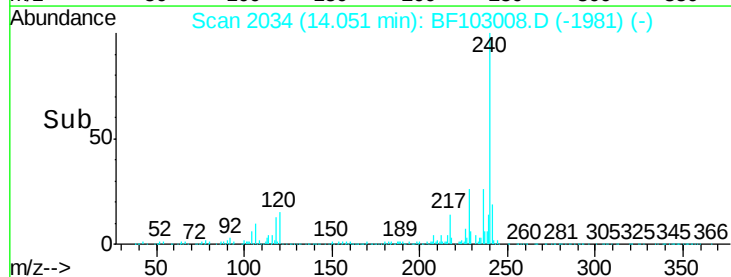
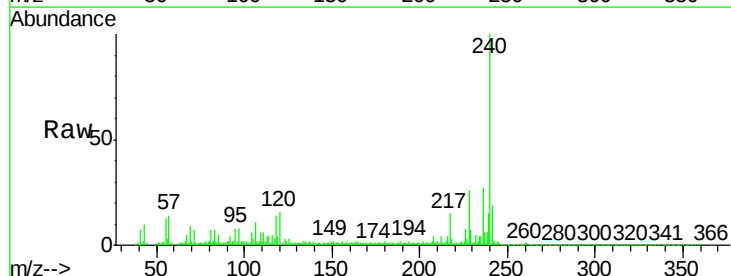
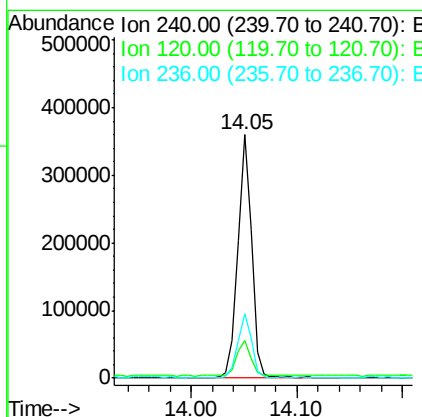
RT: 14.05 min Scan# 2034

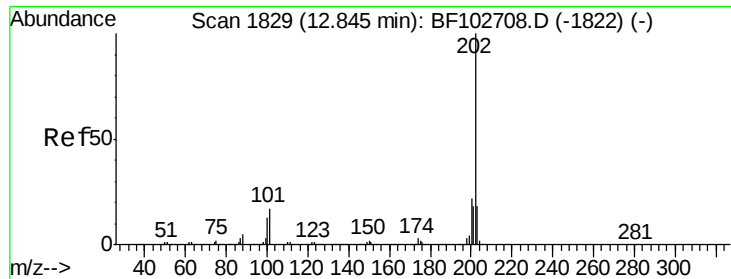
Delta R.T. 0.01 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.6	20.7	31.1





#77

Pvrene

Concen: 32.648 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.01 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Instrument :

BNA_F

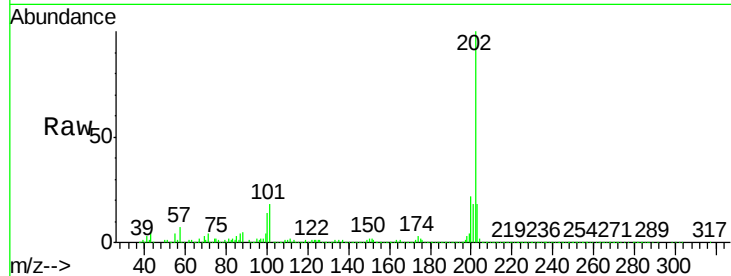
ClientSampleId :

CB-1-SW(4-9)DL

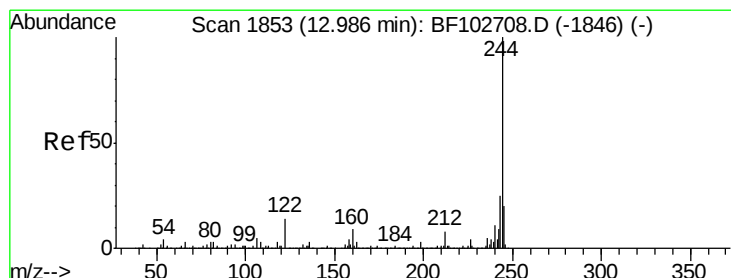
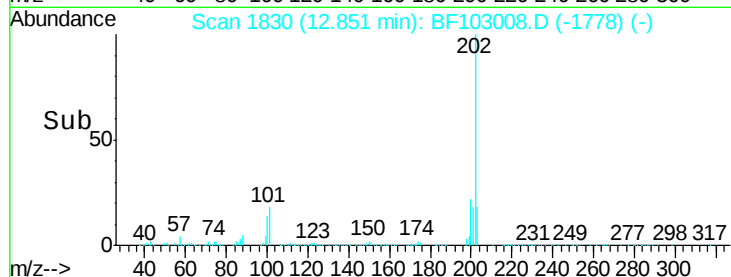
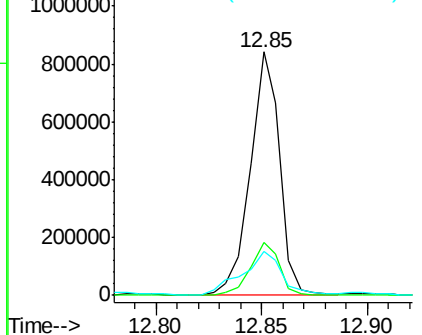
Tot Ion:	202	Resp:	809442
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.1	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 15.675 ng

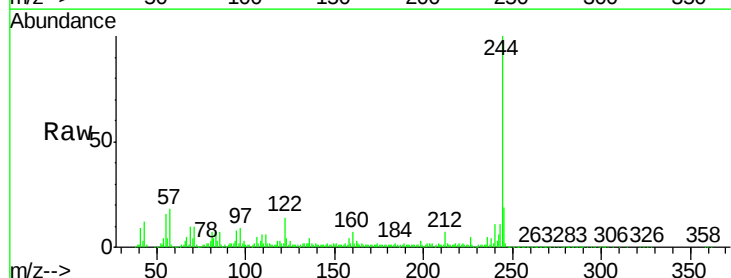
RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

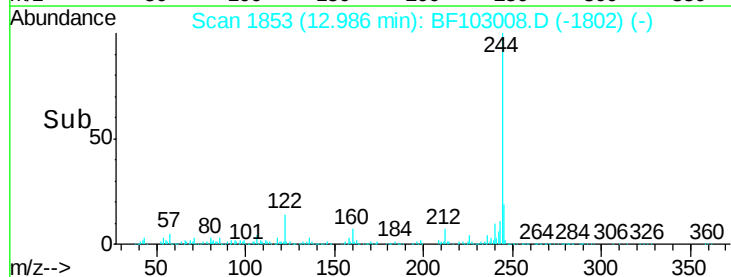
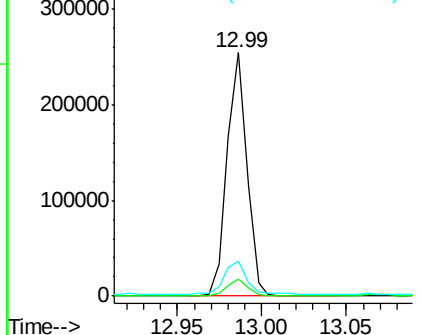
Lab File: BF103008.D

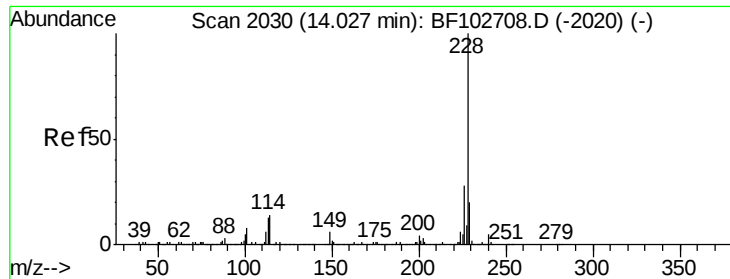
Acq: 15 Feb 2018 8:35

Tgt Ion:	244	Resp:	209317
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.2	11.0	16.4



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





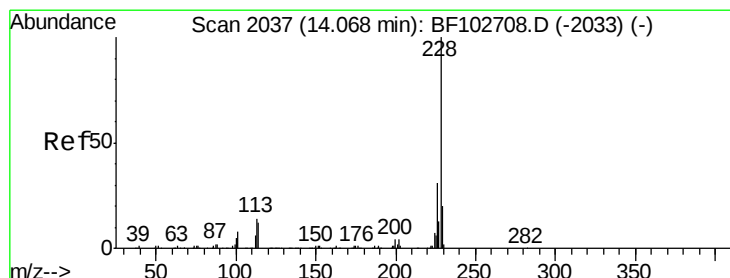
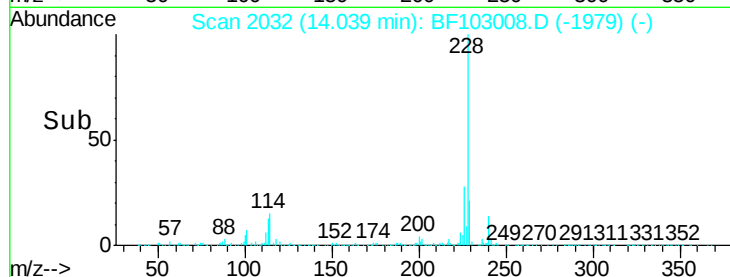
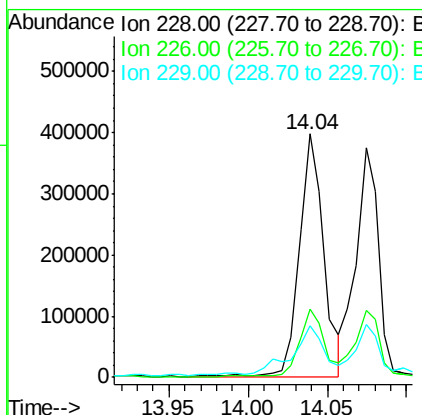
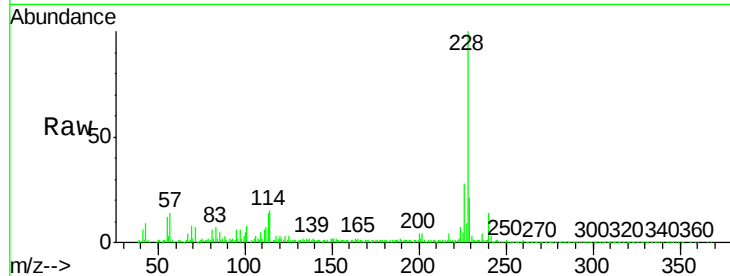
#80
Benzo(a)anthracene
Concen: 21.184 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.2	15.8	23.6

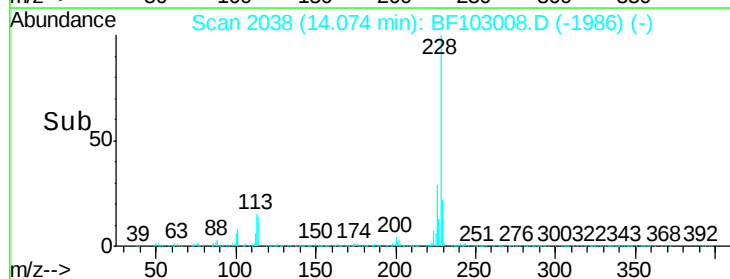
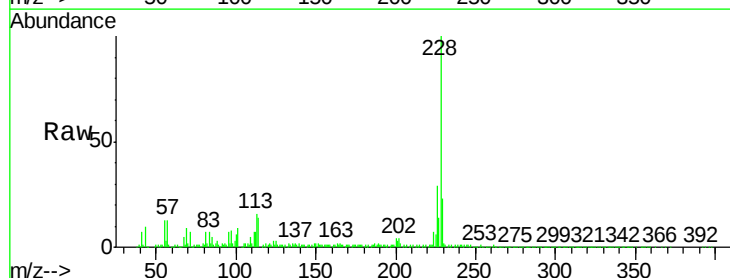
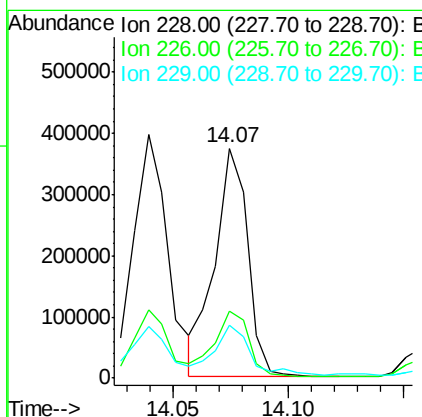
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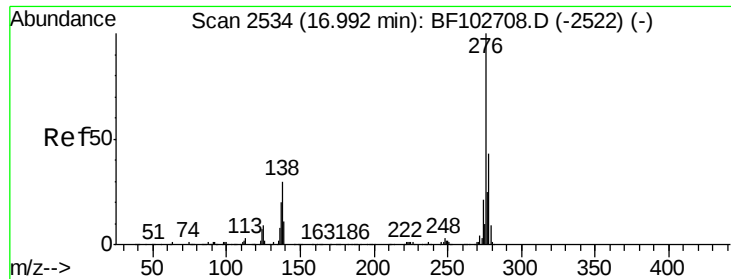
Sohil
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#82
Chrysene
Concen: 18.584 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	22.9	16.2	24.4





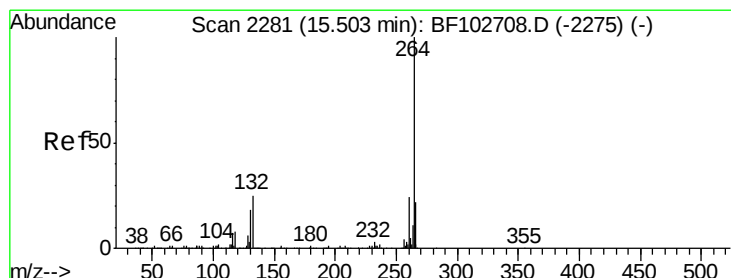
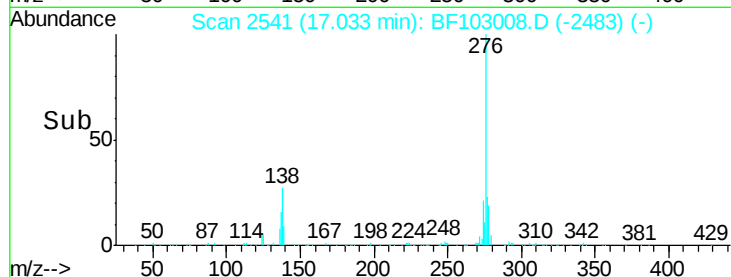
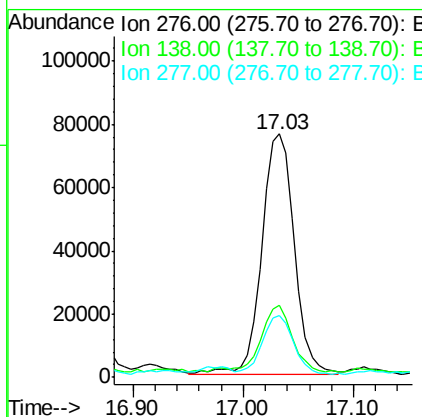
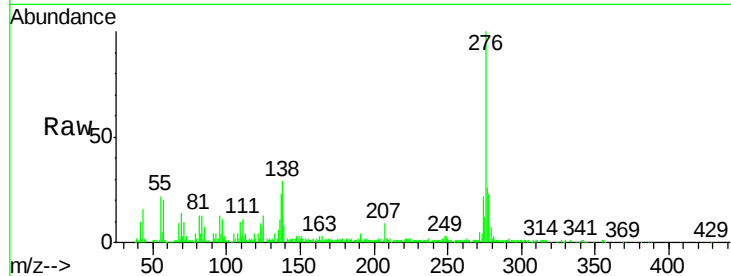
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.403 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.04 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Instrument :
 BNA_F
 ClientSampleID :
 CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	25.0	37.6
277	23.1	20.1	30.1

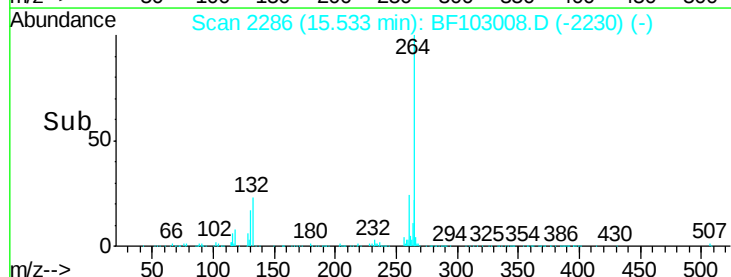
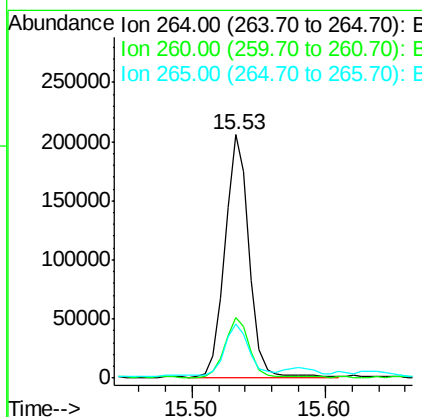
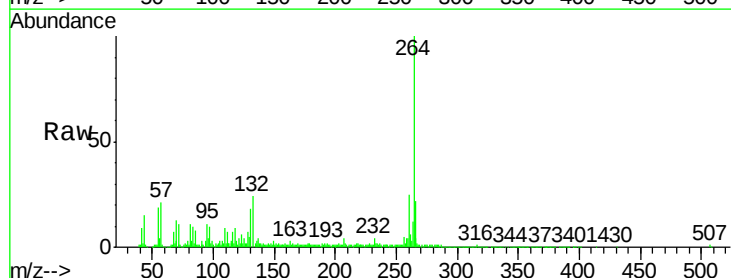
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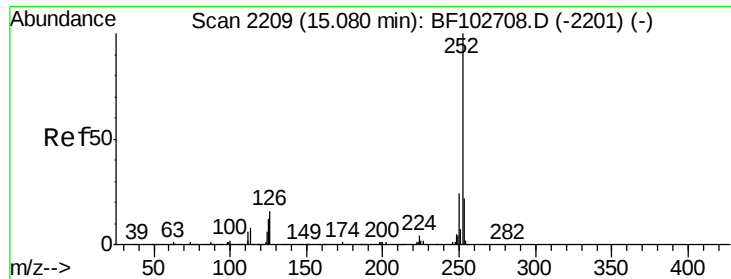
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.53 min Scan# 2286
 Delta R.T. 0.03 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 23.148 ng m

RT: 15.10 min Scan# 2212

Delta R.T. 0.02 min

Lab File: BF103008.D

Acq: 15 Feb 2018 8:35

Instrument :

BNA_F

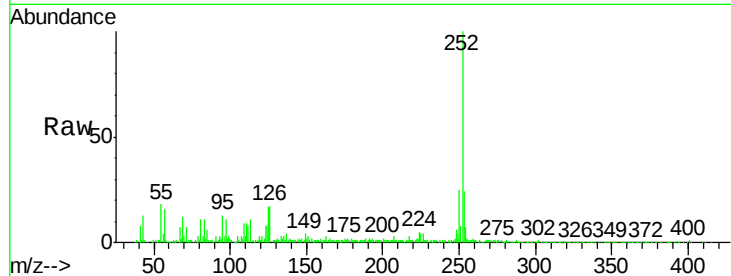
ClientSampleId :

CB-1-SW(4-9)DL

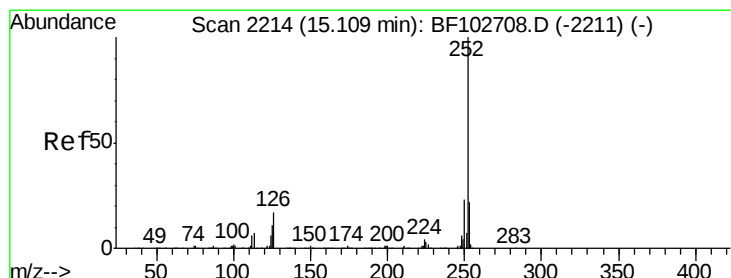
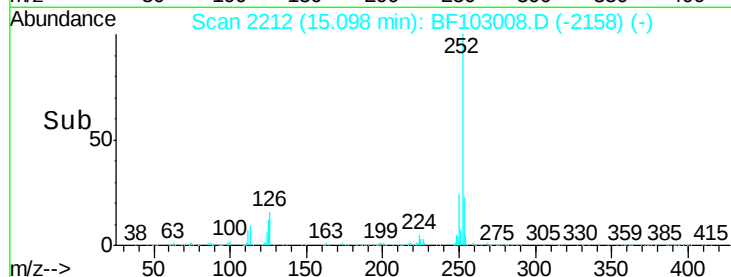
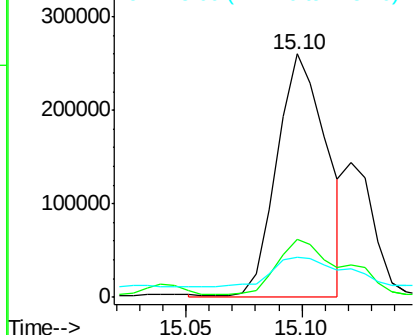
Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100		389097		
253	24.1	17.0	25.6		
125	16.6	9.0	13.6#		

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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



#88

Benzo(k)fluoranthene

Concen: 7.902 ng m

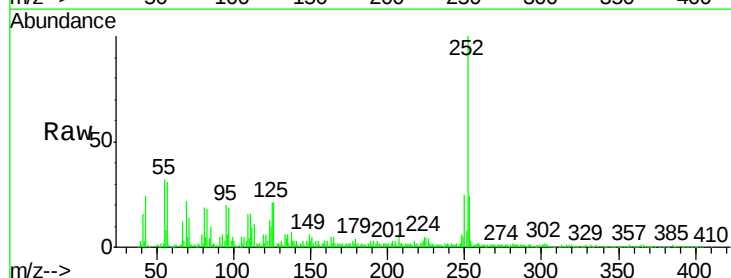
RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

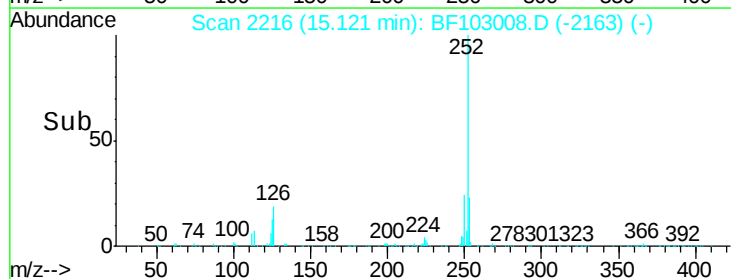
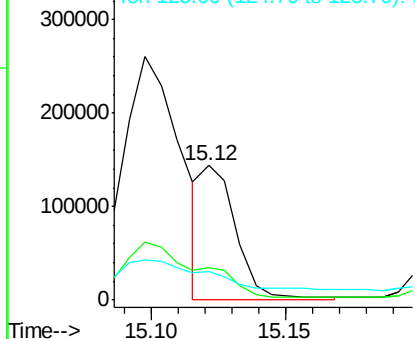
Lab File: BF103008.D

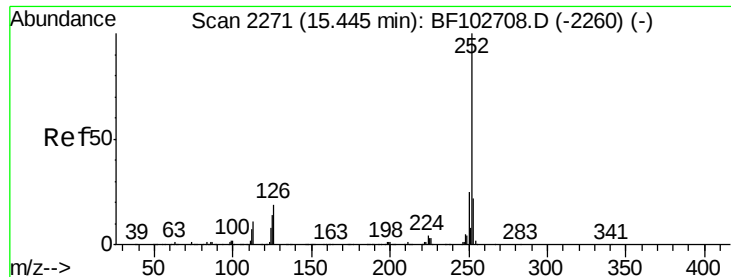
Acq: 15 Feb 2018 8:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100		126920		
253	23.8	17.9	26.9		
125	21.5	10.2	15.2#		



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





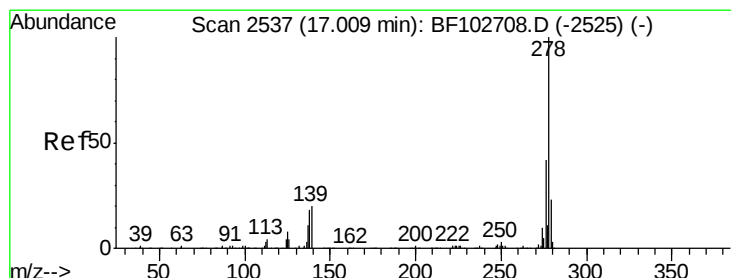
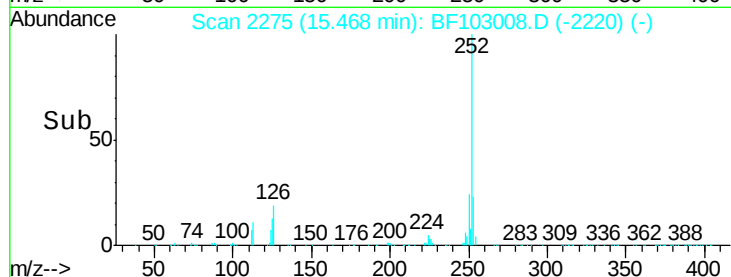
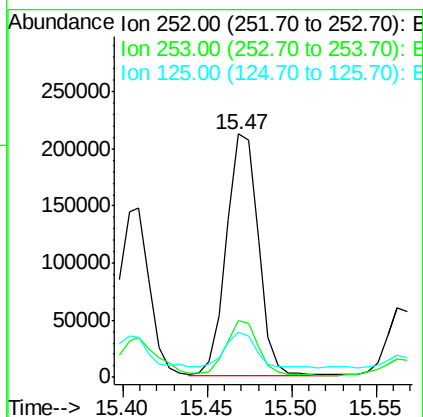
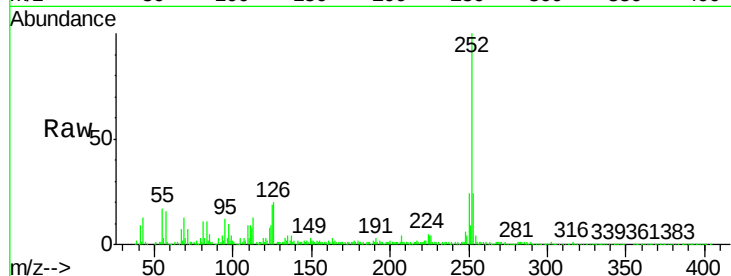
#89
Benzo(a)pyrene
Concen: 18.409 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	18.6	9.8	14.6

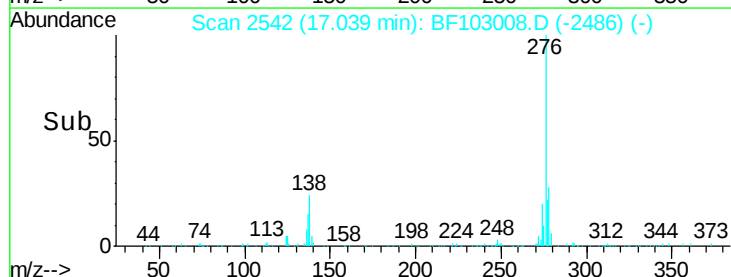
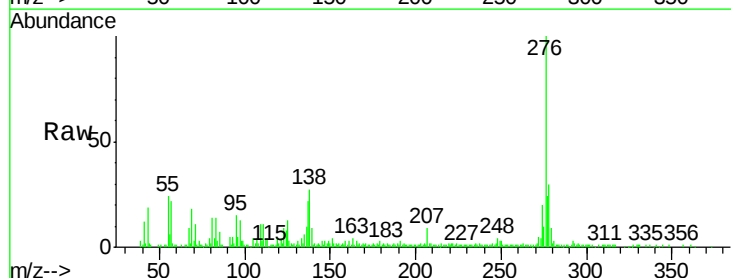
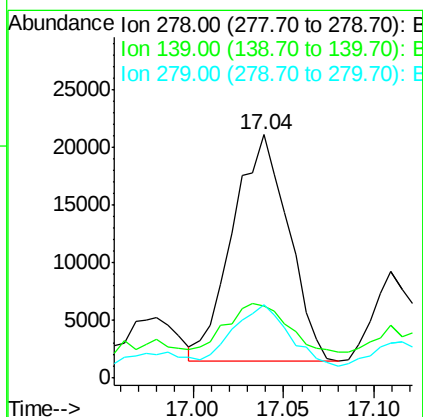
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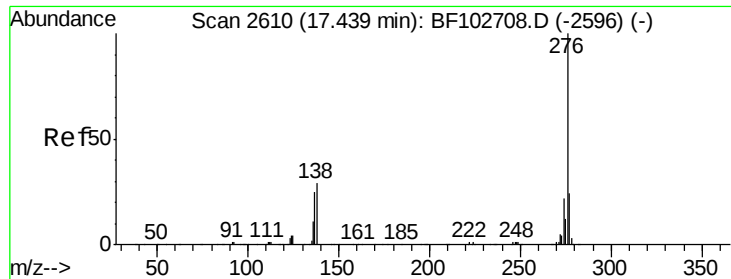
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.03 min
Lab File: BF103008.D
Acq: 15 Feb 2018 8:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.6	15.9	23.9
279	30.0	19.0	28.4





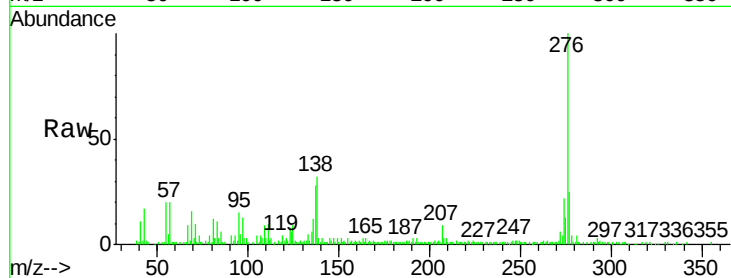
#91
 Benzo(a,h,i)perylene
 Concen: 11.906 ng
 RT: 17.49 min Scan# 2618
 Delta R.T. 0.05 min
 Lab File: BF103008.D
 Acq: 15 Feb 2018 8:35

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(4-9)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	31.9	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

