

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
 Data File : BF109803.D
 Acq On : 11 Oct 2018 22:55
 Operator : JU/SJ
 Sample : J5314-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18

Manual Integrations
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 10/12/2018 11:01:27 AM

Quant Time: Oct 12 05:17:17 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	70878	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	279912	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	114220	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	189456	20.00	ng	0.00
75) Chrysene-d12	13.83	240	198686	20.00	ng	0.00
86) Perylene-d12	15.23	264	212344	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	337769	84.59	ng	-0.01
7) Phenol-d6	6.34	99	484986	90.92	ng	-0.02
23) Nitrobenzene-d5	7.26	82	333054	65.59	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	86812	69.75	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	465629	56.15	ng	-0.01
78) Terphenyl-d14	12.77	244	375370	36.57	ng	-0.01

Target Compounds				Qvalue		
31) Naphthalene	8.00	128	59265	4.578	ng	98
49) Dimethylphthalate	9.45	163	36672	4.378	ng	98
51) Acenaphthene	9.75	154	52520	7.950	ng	99
54) Dibenzofuran	9.93	168	31031	3.133	ng	97
57) Fluorene	10.27	166	45495	6.152	ng	98
70) Phenanthrene	11.22	178	508053	53.586	ng	100
71) Anthracene	11.27	178	165974	16.935	ng	96
72) Carbazole	11.44	167	60174	6.330	ng	98
74) Fluoranthene	12.41	202	807816	81.558	ng	98
77) Pyrene	12.63	202	761483	52.310	ng	98
80) Benzo(a)anthracene	13.82	228	441321	40.251	ng	96
82) Chrysene	13.86	228	359658	31.229	ng	98
85) Indeno(1,2,3-cd)pyrene	16.58	276	139749	16.953	ng	94
87) Benzo(b)fluoranthene	14.84	252	411915m	35.103	ng	
88) Benzo(k)fluoranthene	14.85	252	195582m	16.588	ng	
89) Benzo(a)pyrene	15.17	252	333811	31.347	ng	99
90) Dibenzo(a,h)anthracene	16.58	278	30982	3.543	ng	# 77
91) Benzo(g,h,i)perylene	16.98	276	124919	14.304	ng	99

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

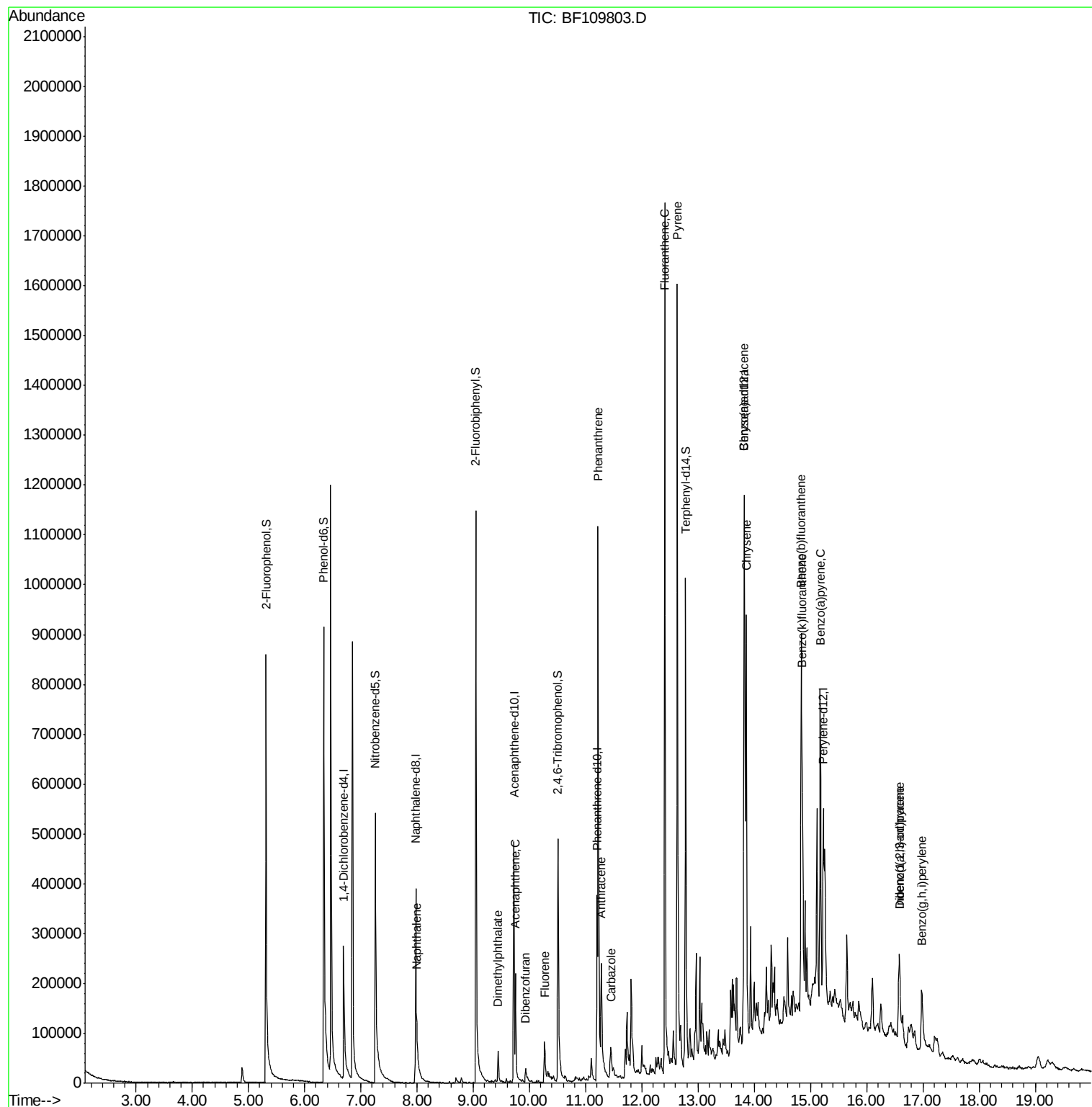
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
Data File : BF109803.D
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ALS Vial : 20 Sample Multiplier: 1

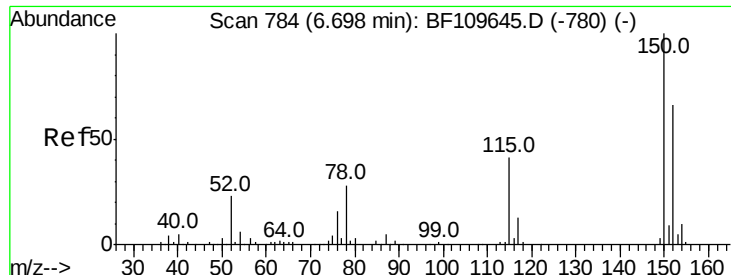
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

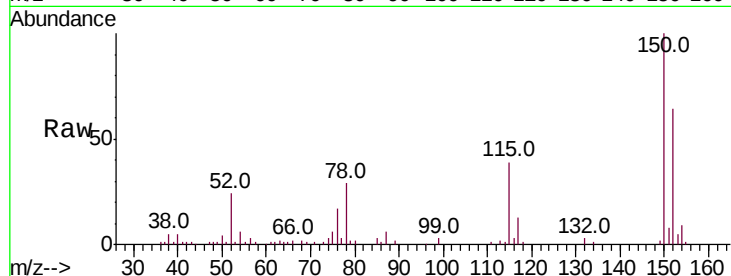
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	122.7	184.1
115	61.5	49.1	73.7

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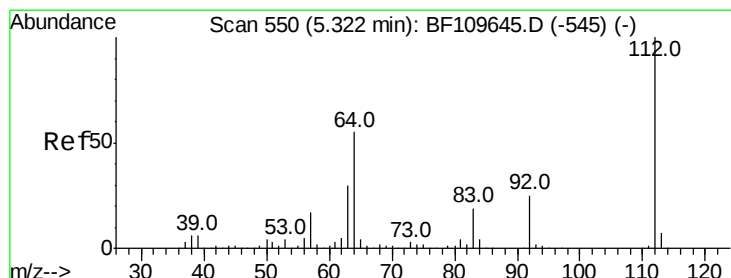
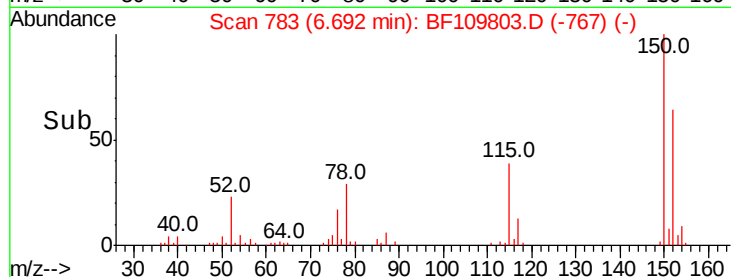
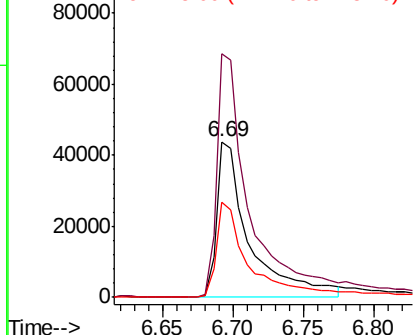


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

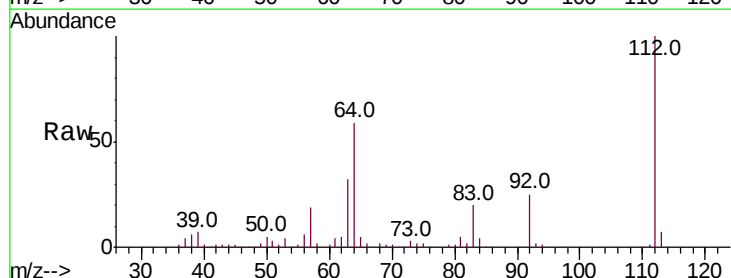
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.589 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.1	66.1
63	32.0	23.7	35.5

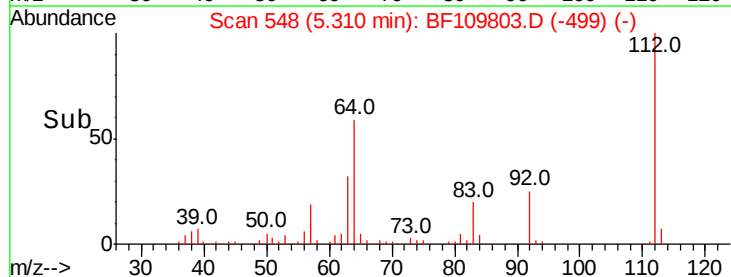
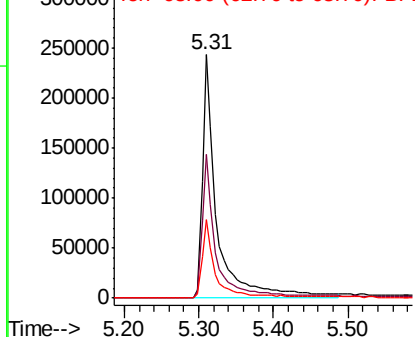


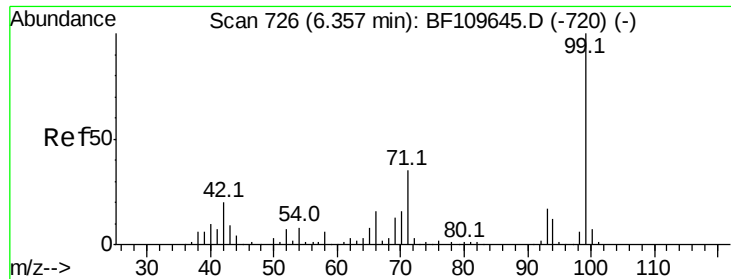
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 90.919 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Instrument :

BNA_F

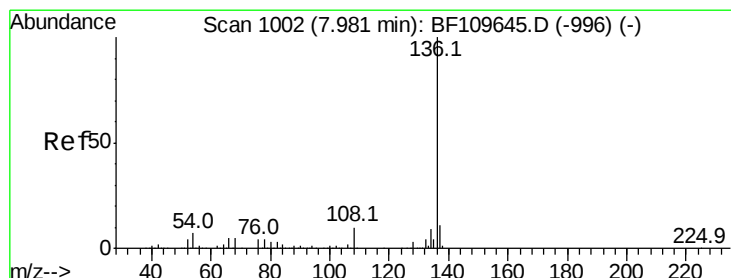
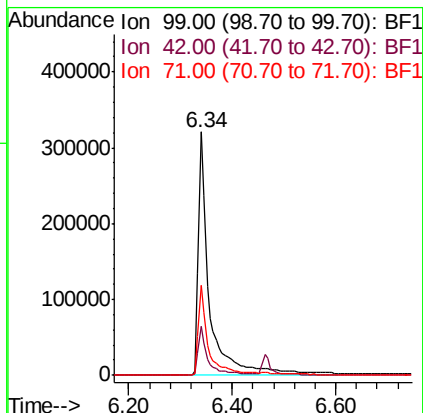
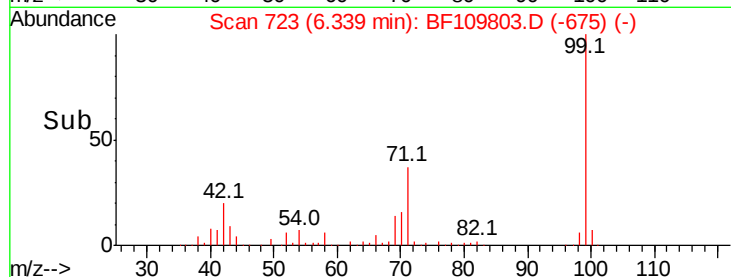
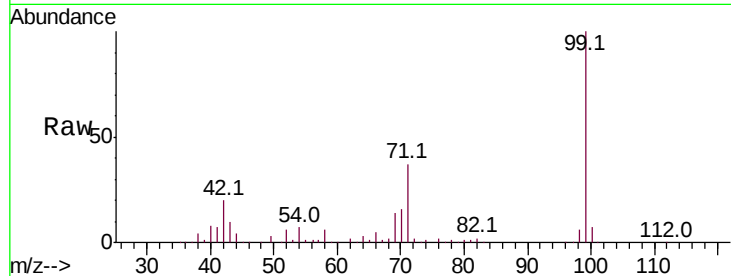
ClientSampleId :

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Tot Ion:	99	Resp:	484986
Ion Ratio	Lower	Upper	
99	100		
42	20.0	15.8	23.6
71	36.9	28.0	42.0

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#21

Naphthalene-d8

Concen: 20.000 ng

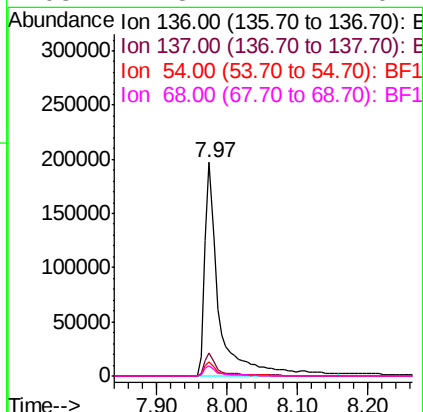
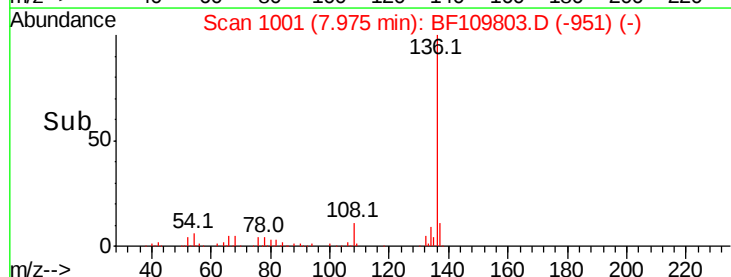
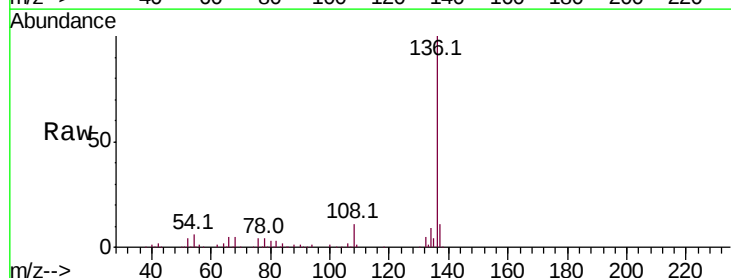
RT: 7.97 min Scan# 1001

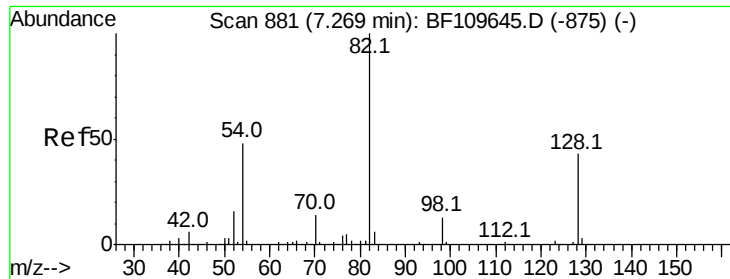
Delta R.T. -0.01 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Tgt Ion:	136	Resp:	279912
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.8	13.2
54	6.4	5.4	8.2
68	4.8	4.2	6.2





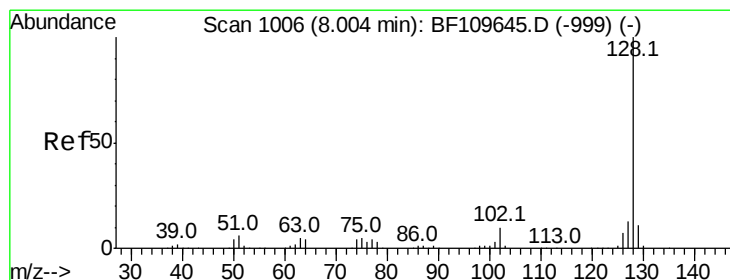
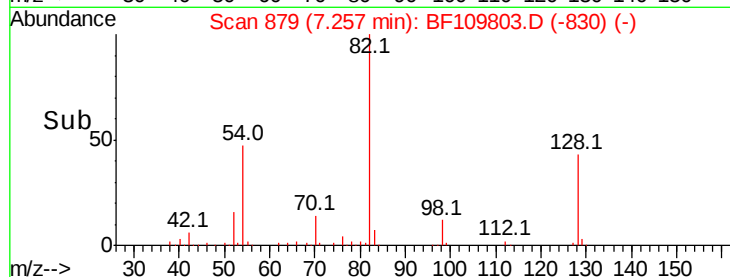
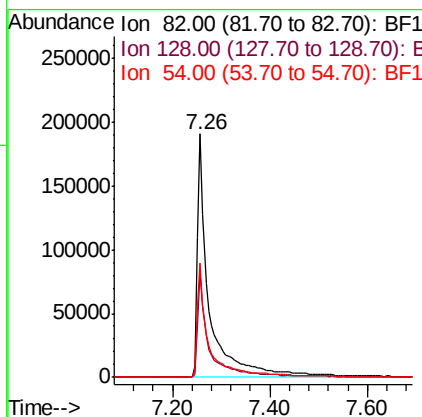
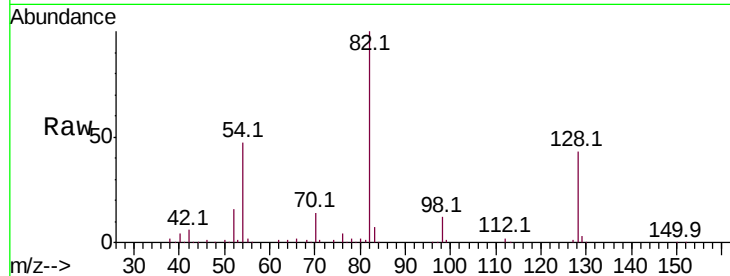
#23
Nitrobenzene-d5
Concen: 65.589 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

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BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	34.2	51.2
54	46.9	38.6	58.0

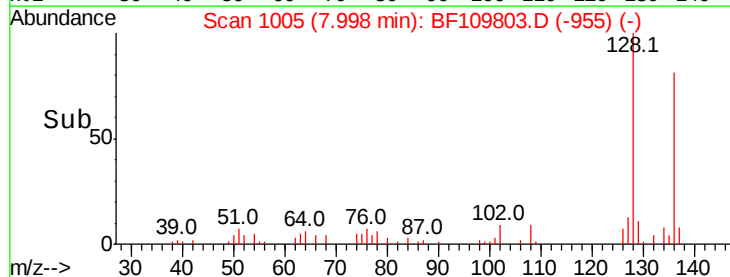
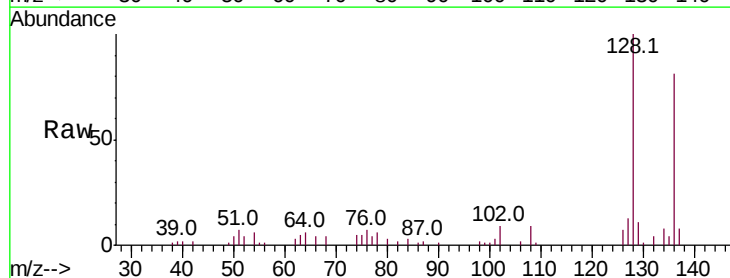
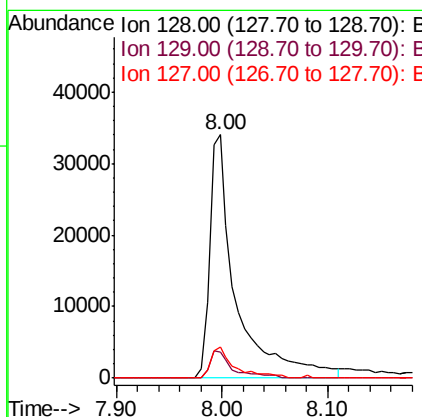
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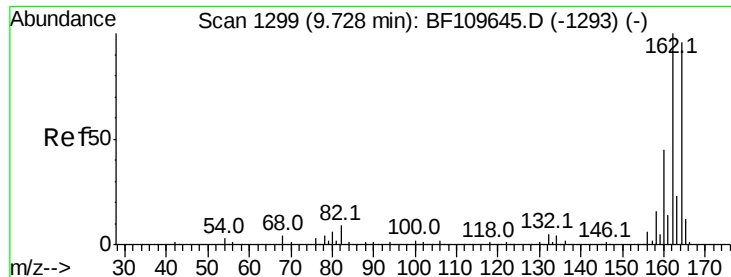
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#31
Naphthalene
Concen: 4.578 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	12.7	10.8	16.2





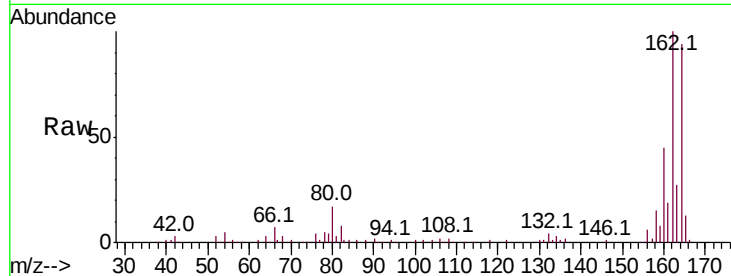
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
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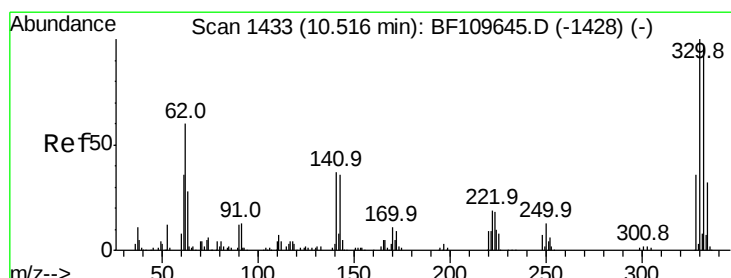
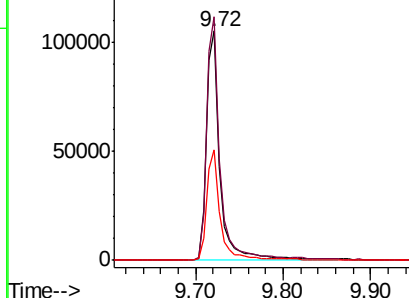
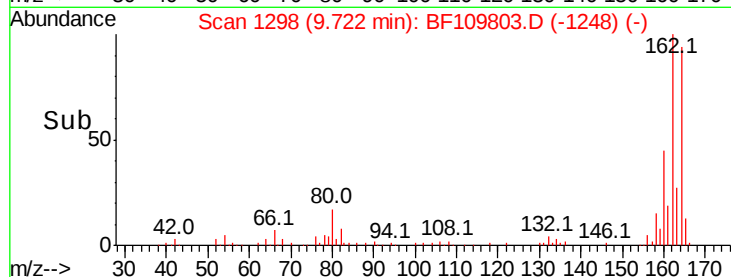
Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.0	124.6
160	48.0	37.0	55.6

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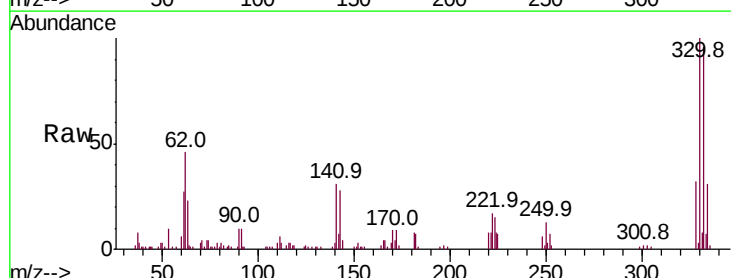


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

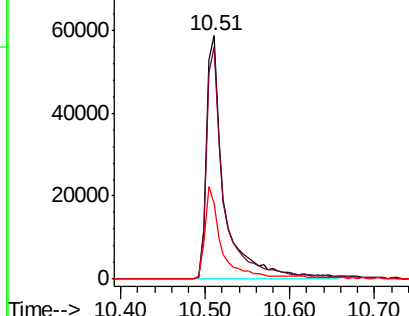
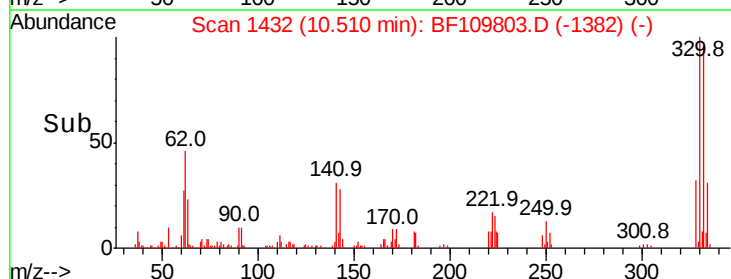


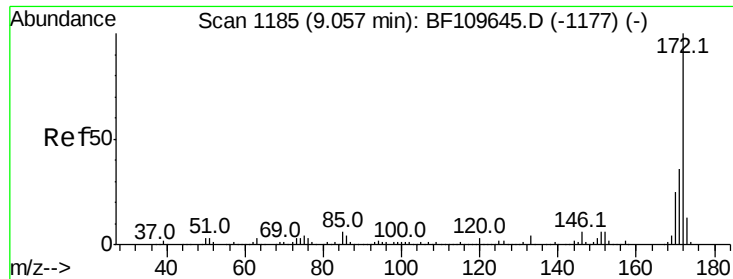
#41
2,4,6-Tribromophenol
Concen: 69.754 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.5	77.1	115.7
141	37.3	27.0	40.4



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





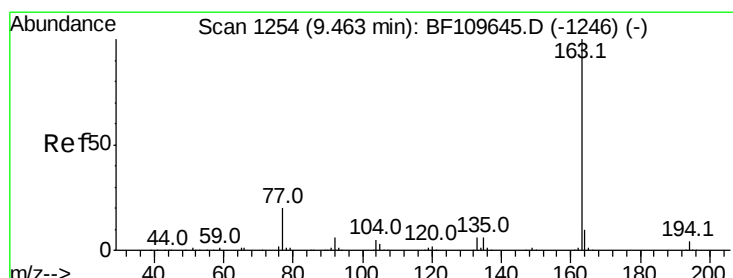
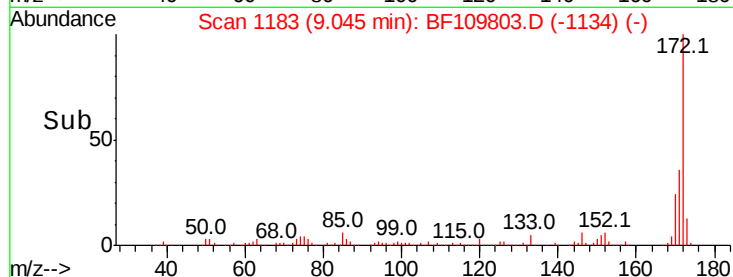
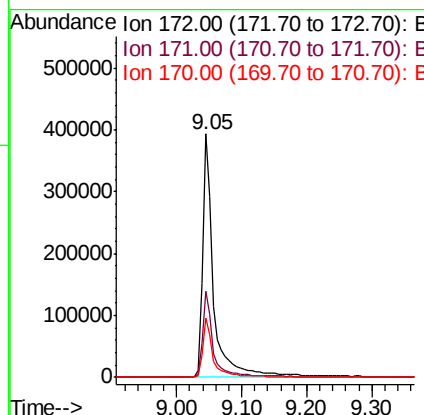
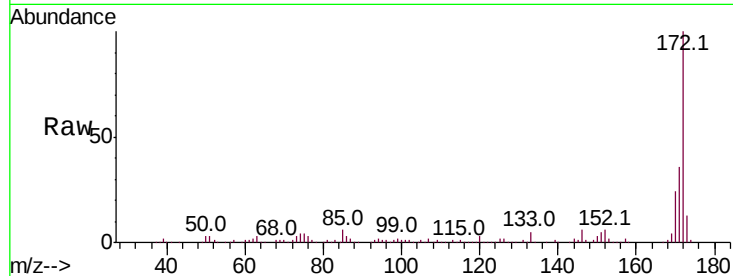
#44
2-Fluorobiphenyl
Concen: 56.145 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
172	100	465629		
171	35.6		28.6	43.0
170	24.2		19.7	29.5

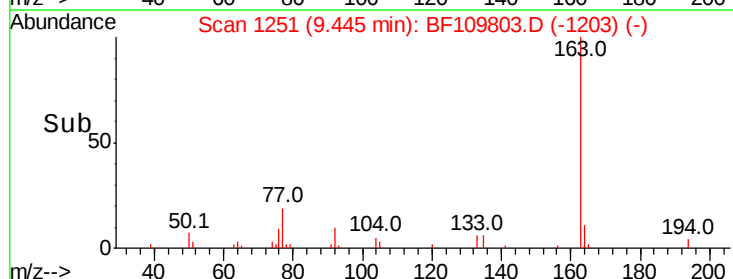
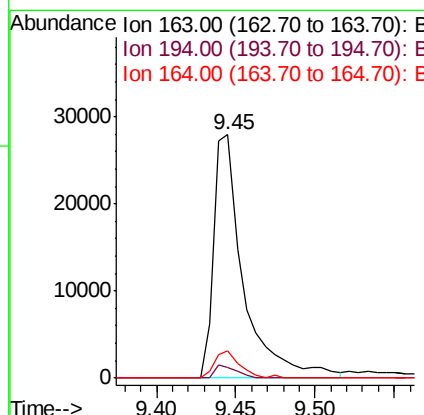
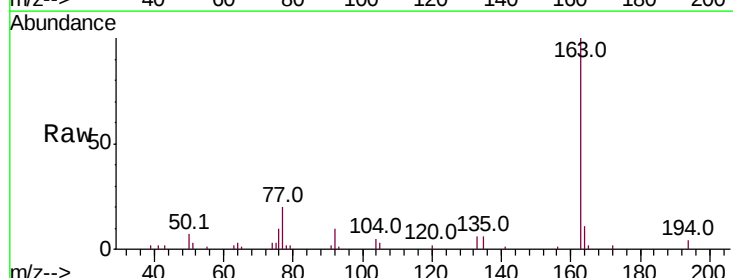
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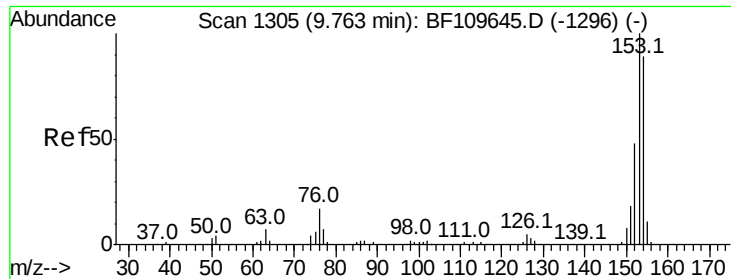
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#49
Dimethylphthalate
Concen: 4.378 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	36672		
194	4.4		3.2	4.8
164	11.1		8.1	12.1





#51

Acenaphthene

Concen: 7.950 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Instrument :

BNA_F

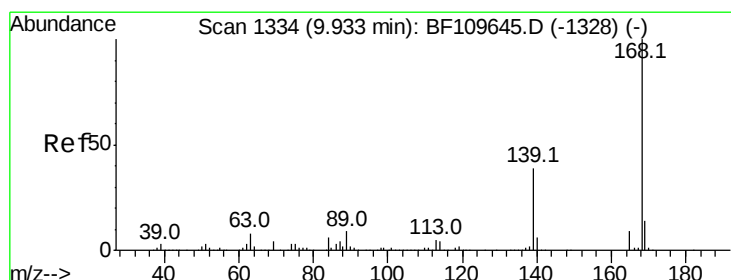
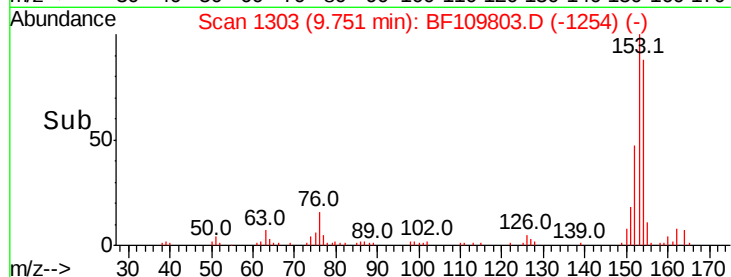
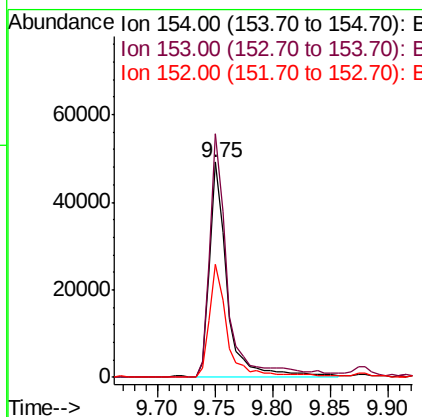
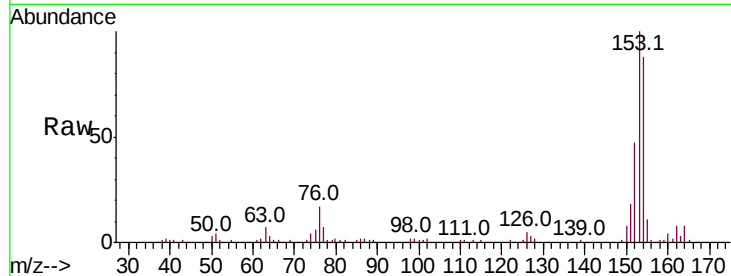
ClientSampleId :

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Tot Ion:	154	Resp:	52520
Ion Ratio	Lower	Upper	
154	100		
153	113.1	90.1	135.1
152	52.8	43.4	65.2

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#54

Dibenzofuran

Concen: 3.133 ng

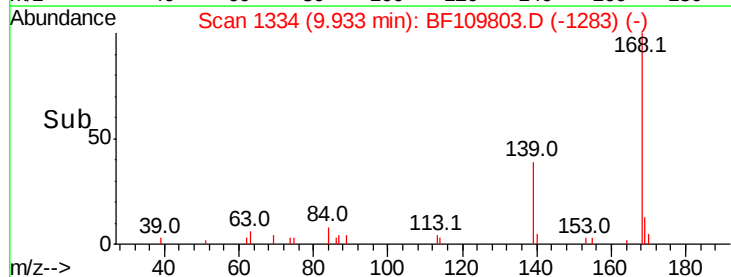
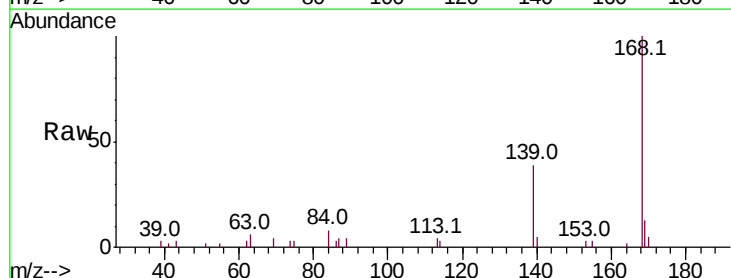
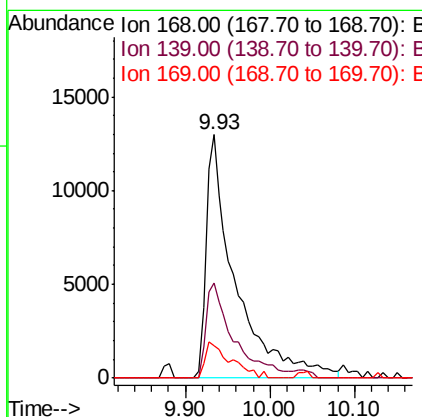
RT: 9.93 min Scan# 1334

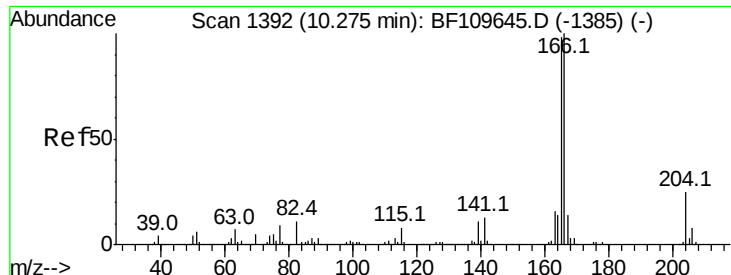
Delta R.T. -0.00 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Tgt Ion:	168	Resp:	31031
Ion Ratio	Lower	Upper	
168	100		
139	39.3	33.0	49.6
169	13.3	11.3	16.9





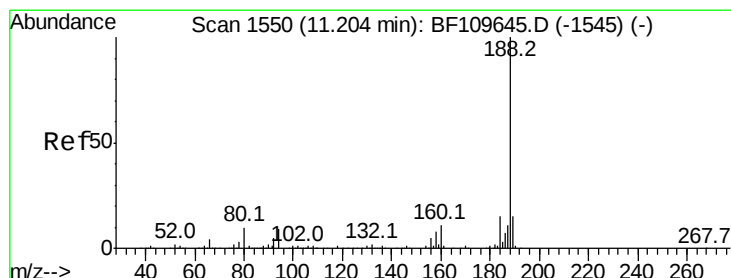
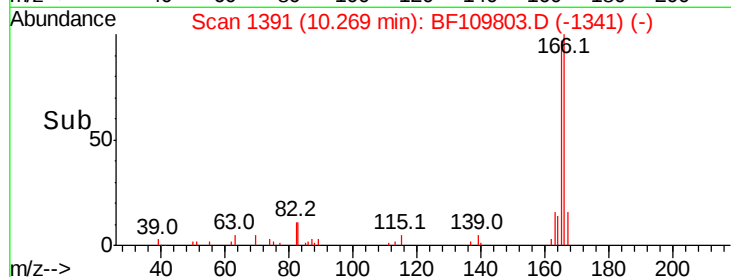
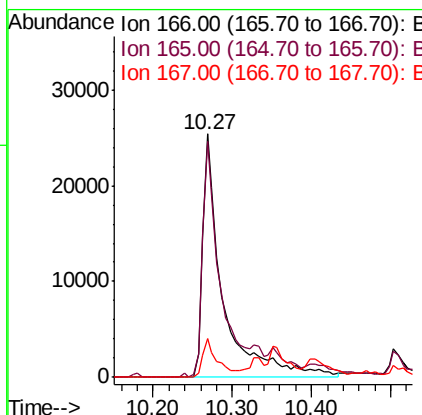
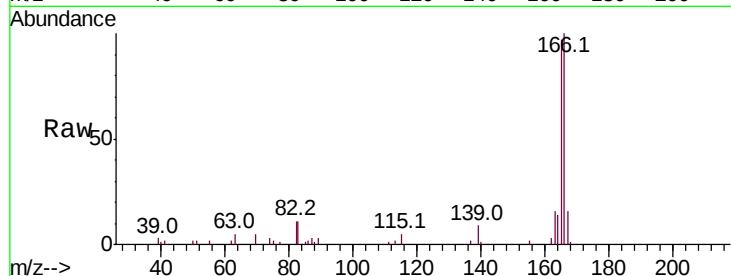
#57
Fluorene
 Concen: 6.152 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.6	117.8
167	15.9	10.8	16.2

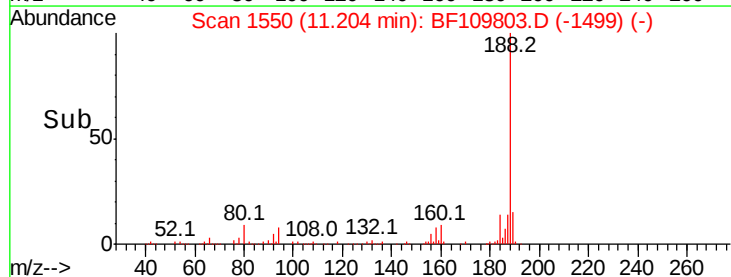
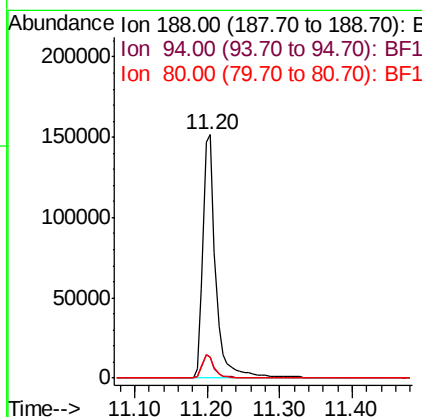
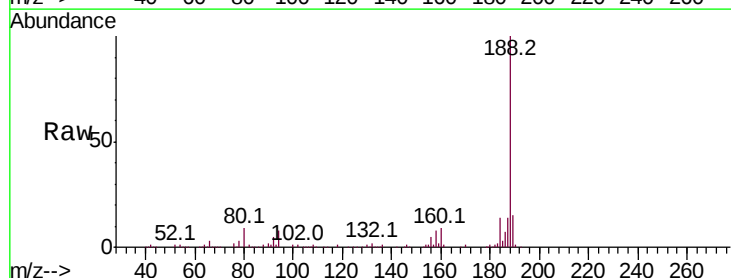
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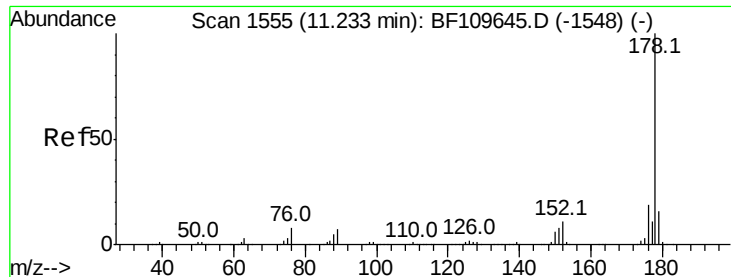
Sohil
 10/12/2018 11:01:27 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.00 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	8.7	7.9	11.9





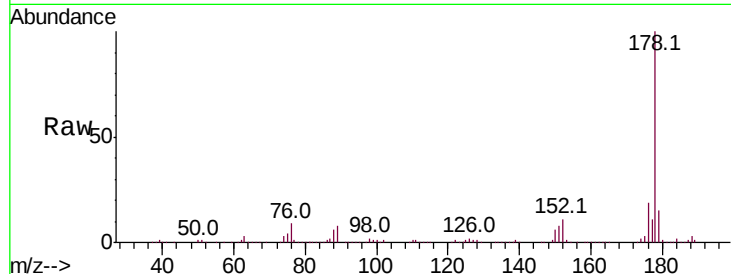
#70
Phenanthrene
Concen: 53.586 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18

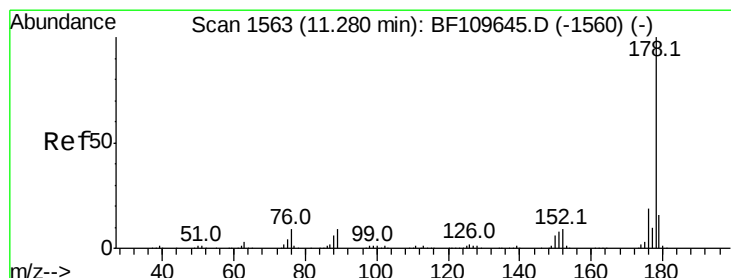
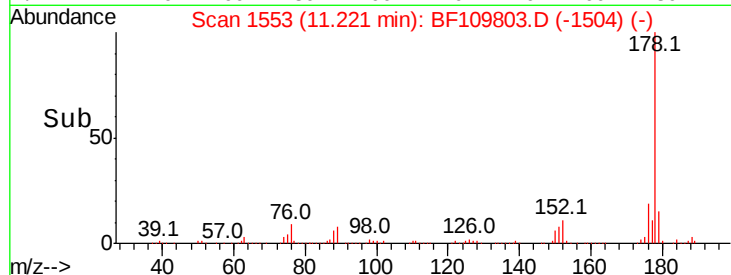
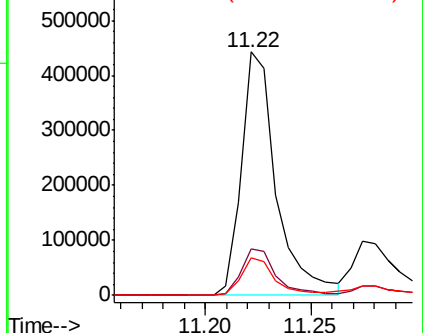
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.4	12.5	18.7

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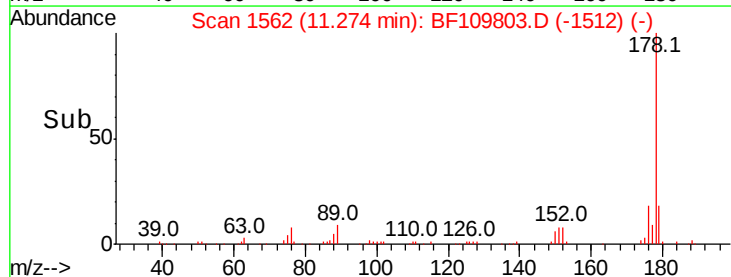
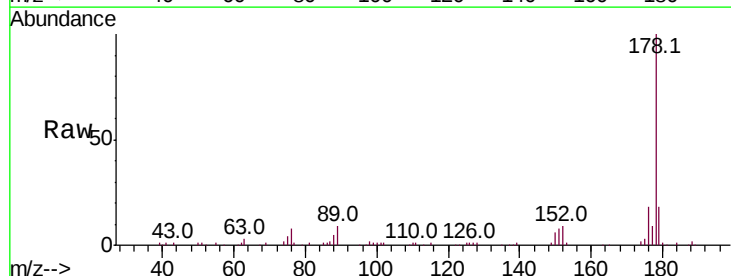
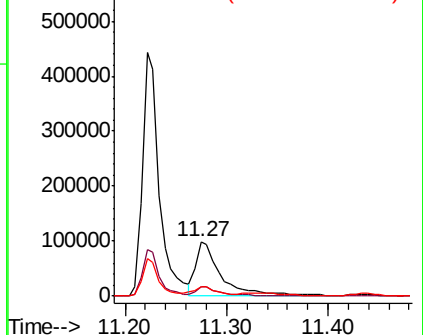
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

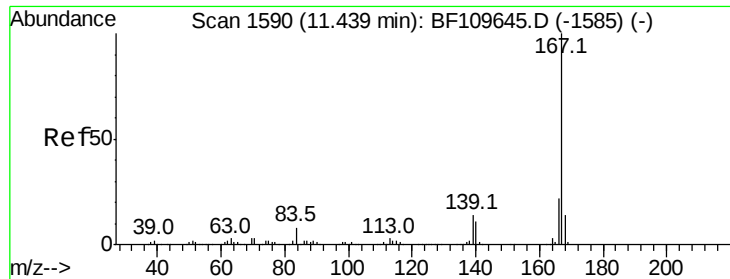


#71
Anthracene
Concen: 16.935 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.8	12.6	18.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





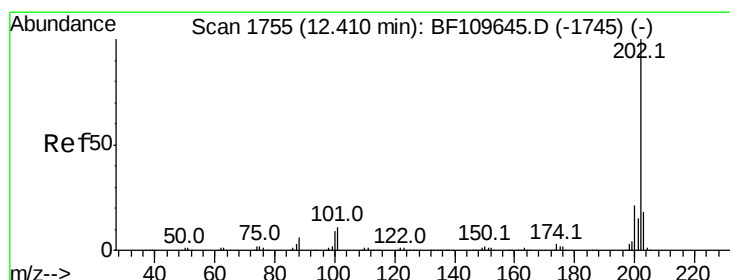
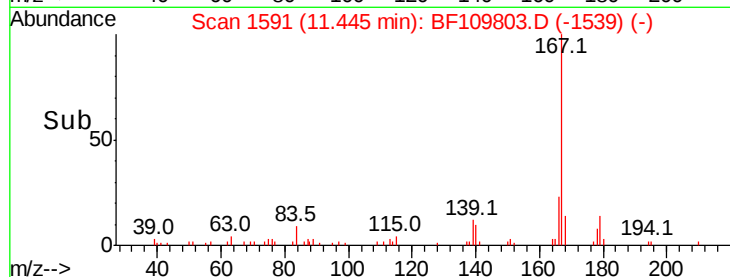
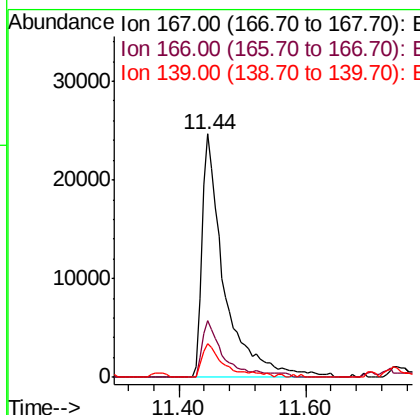
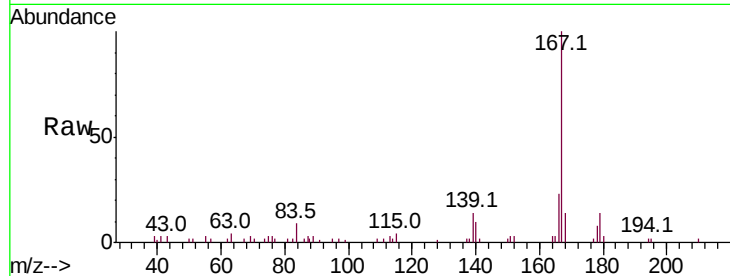
#72
 Carbazole
 Concen: 6.330 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.4	26.0
139	13.7	10.9	16.3

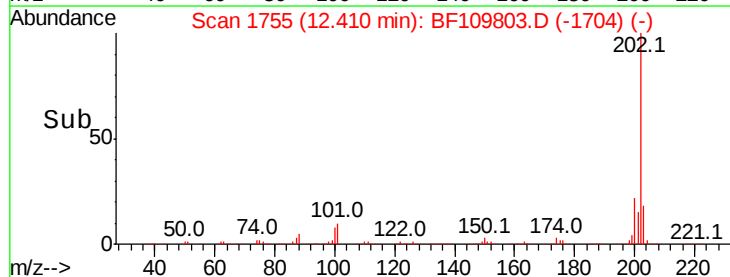
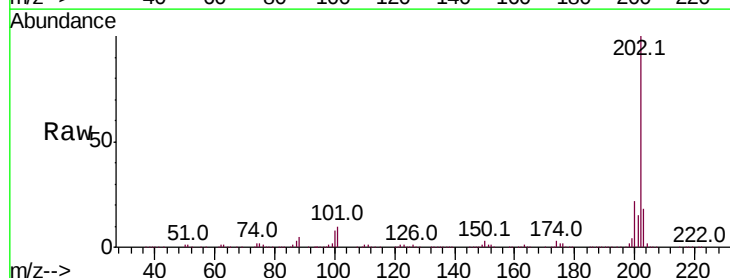
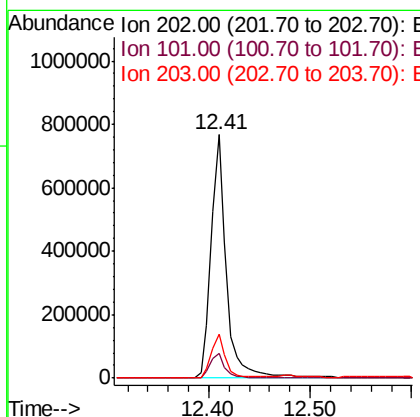
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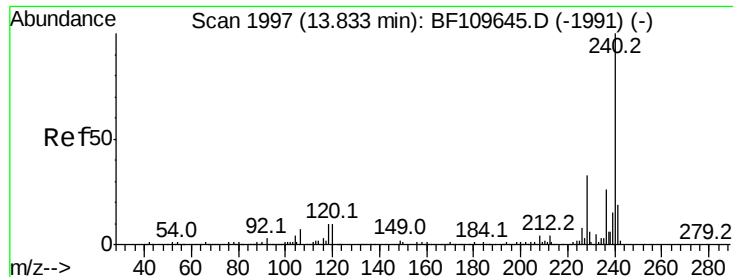
Sohil
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#74
 Fluoranthene
 Concen: 81.558 ng
 RT: 12.41 min Scan# 1755
 Delta R.T. -0.00 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.4
203	18.2	0.0	37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Instrument :

BNA_F

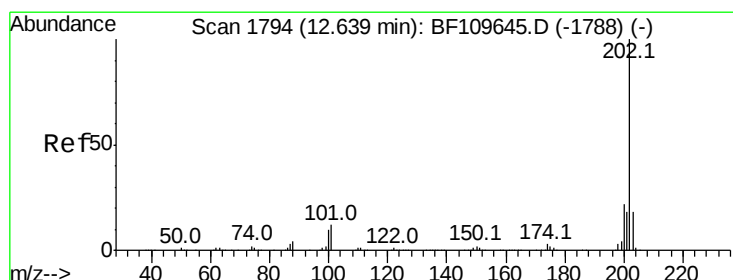
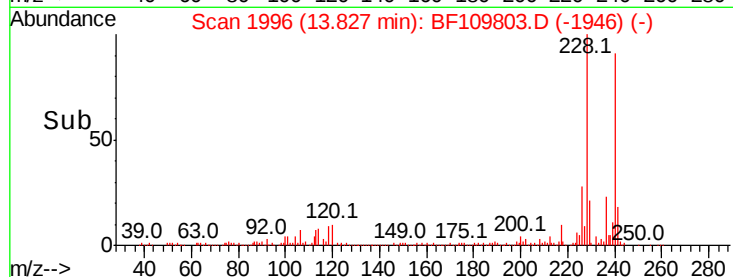
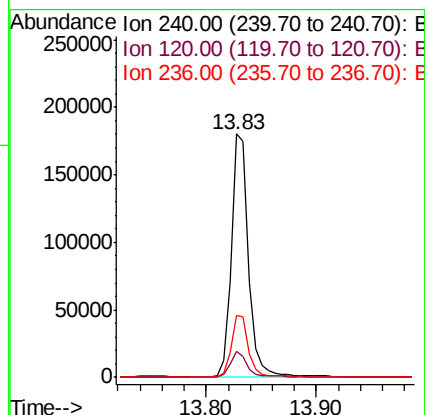
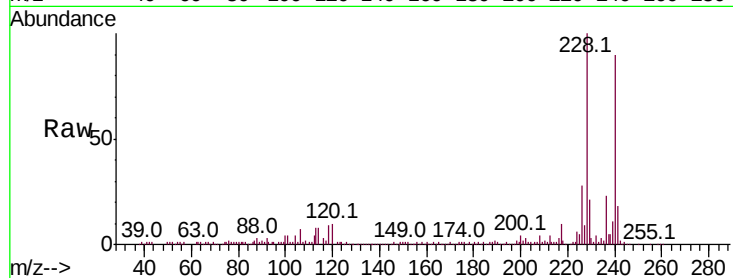
ClientSampleId :

DOCUMENTATION-18

Tot Ion:	240	Resp:	198686
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.3	12.5
236	25.6	21.2	31.8

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#77

Pyrene

Concen: 52.310 ng

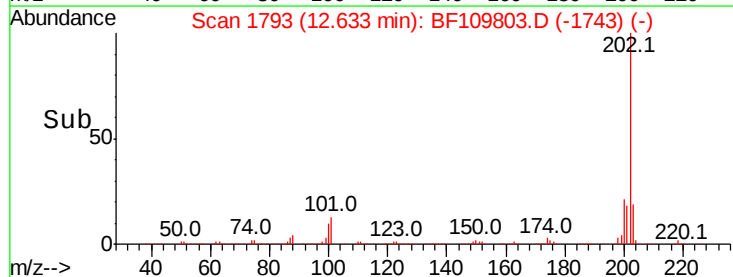
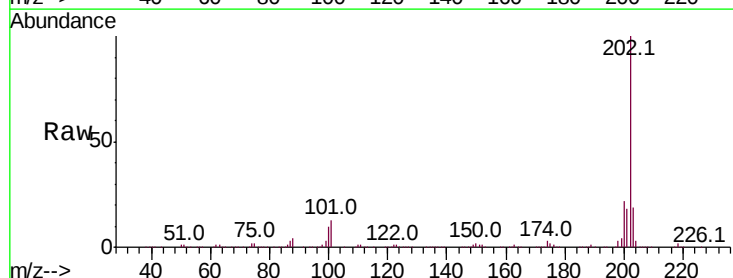
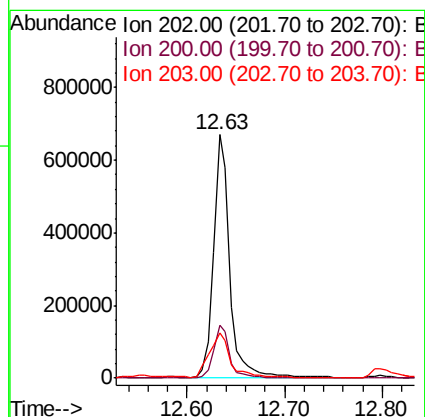
RT: 12.63 min Scan# 1793

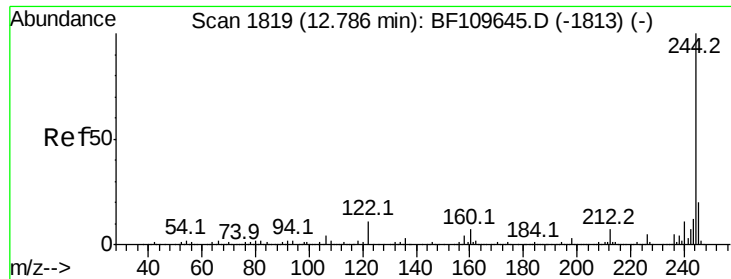
Delta R.T. -0.01 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Tgt Ion:	202	Resp:	761483
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.8	26.6
203	18.8	14.2	21.4





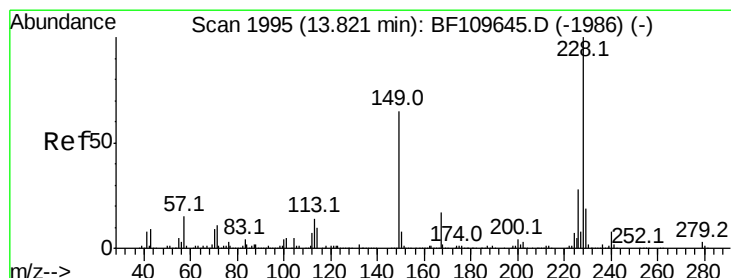
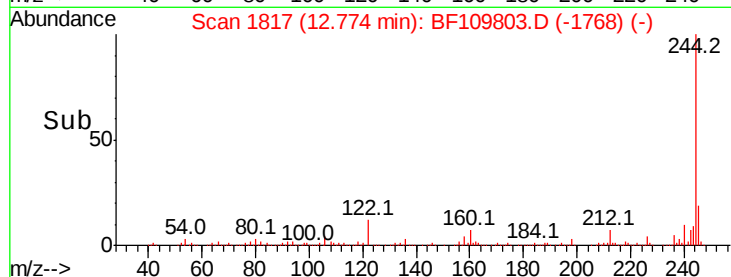
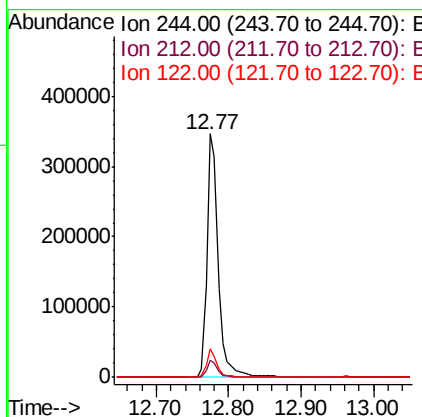
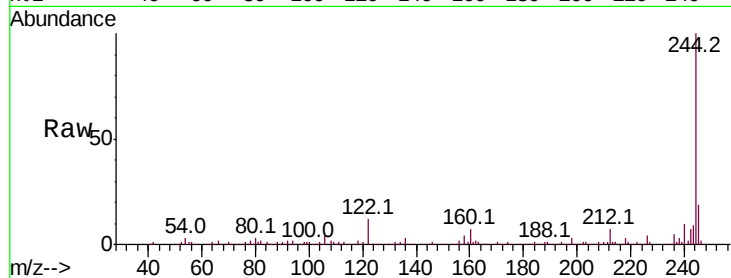
#78
 Terphenyl-d14
 Concen: 36.573 ng
 RT: 12.77 min Scan# 1817
 Delta R.T. -0.01 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	11.5	8.7	13.1

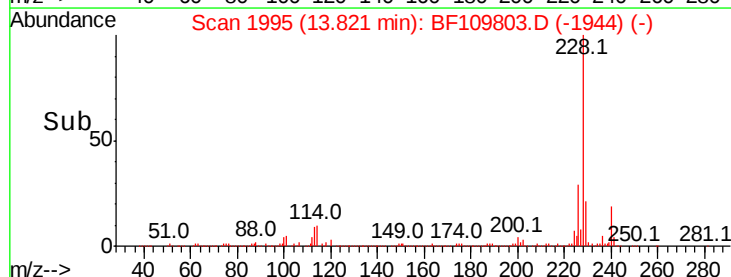
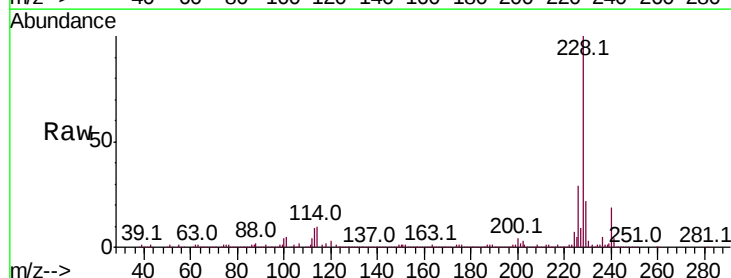
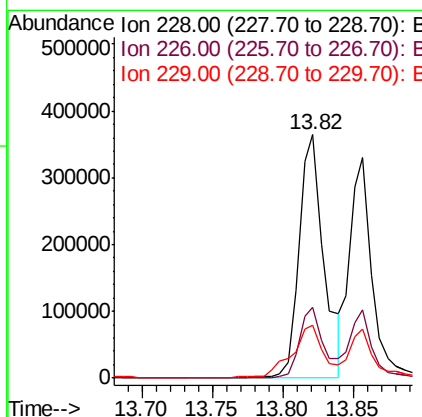
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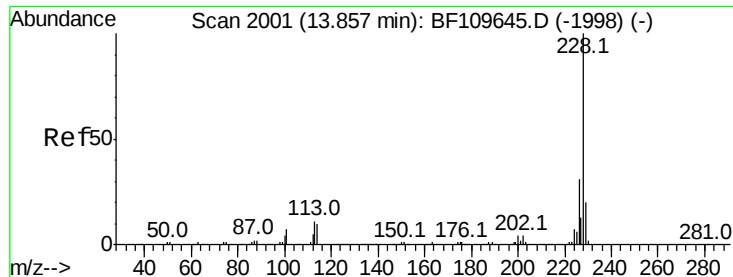
Sohil
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#80
 Benzo(a)anthracene
 Concen: 40.251 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. -0.00 min
 Lab File: BF109803.D
 Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.1	33.1
229	21.5	15.6	23.4





#82

Chrysene

Concen: 31.229 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Instrument :

BNA_F

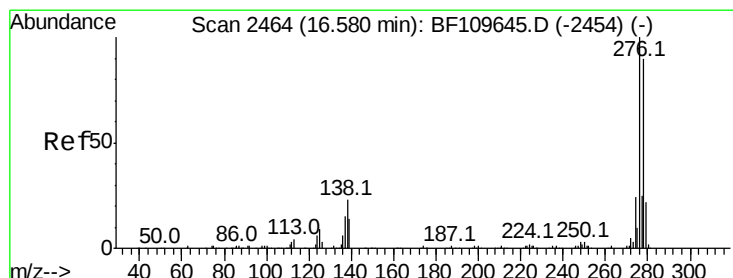
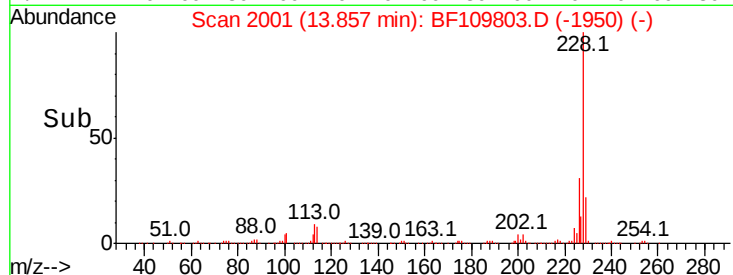
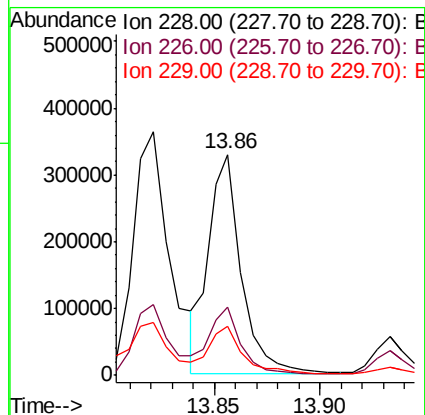
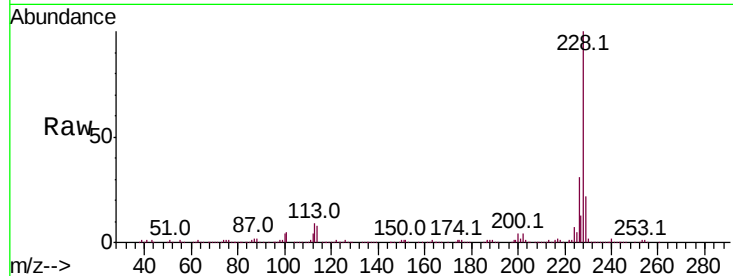
ClientSampleId :

DOCUMENTATION-18

Tot Ion:	228	Resp:	359658
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.7	37.1
229	22.4	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.953 ng

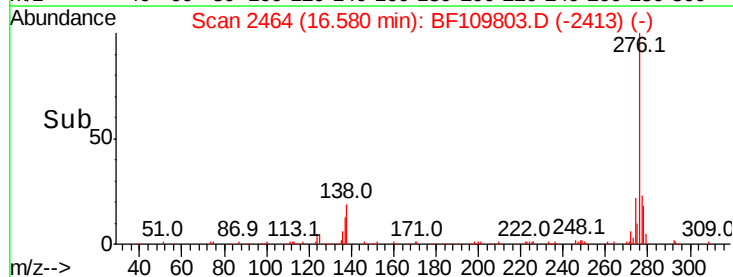
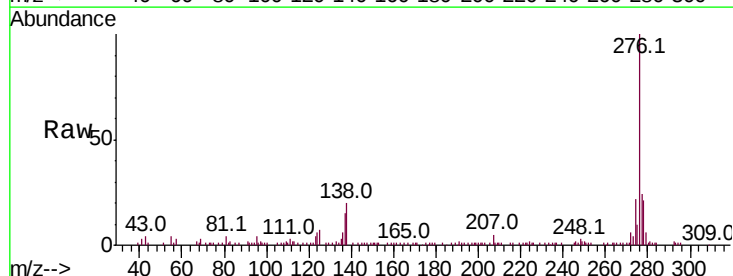
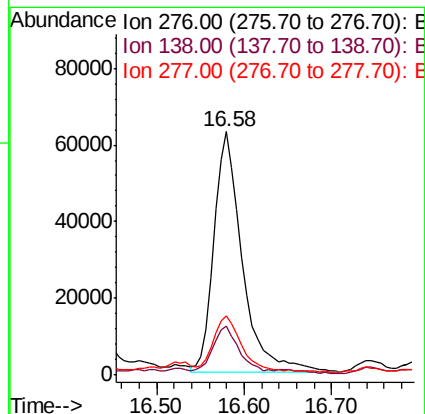
RT: 16.58 min Scan# 2464

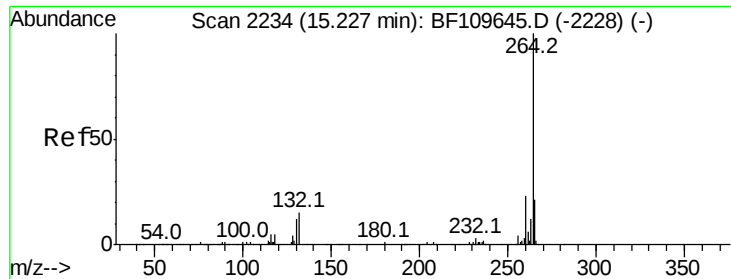
Delta R.T. -0.00 min

Lab File: BF109803.D

Acq: 11 Oct 2018 22:55

Tgt Ion:	276	Resp:	139749
Ion Ratio	Lower	Upper	
276	100		
138	18.7	18.5	27.7
277	23.1	20.0	30.0





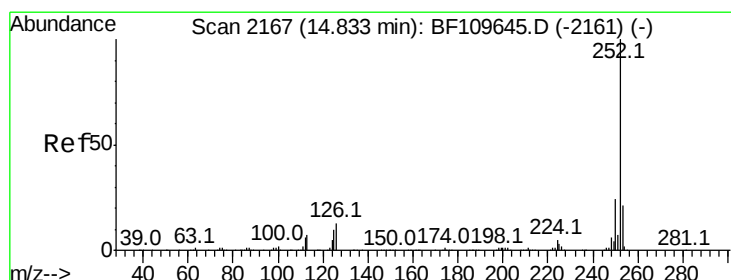
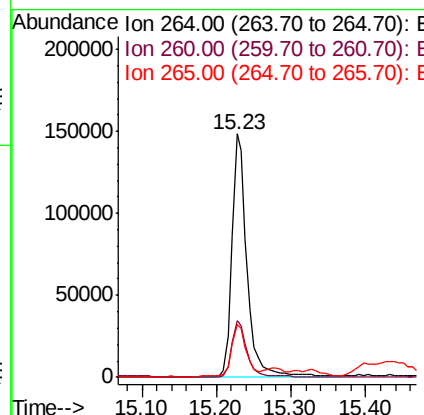
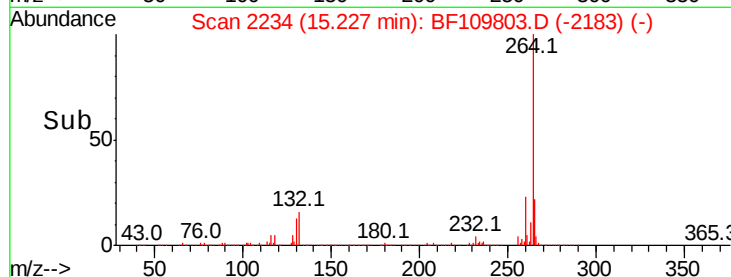
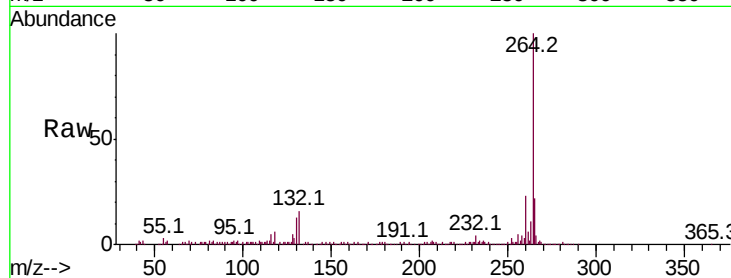
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.00 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.9	16.7	25.1

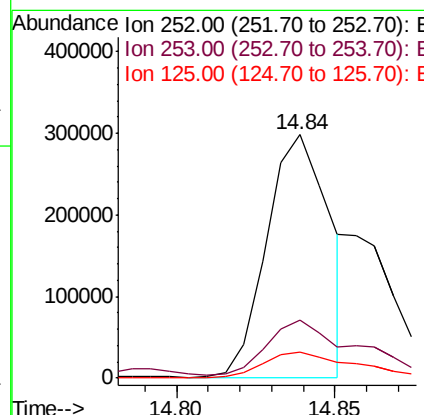
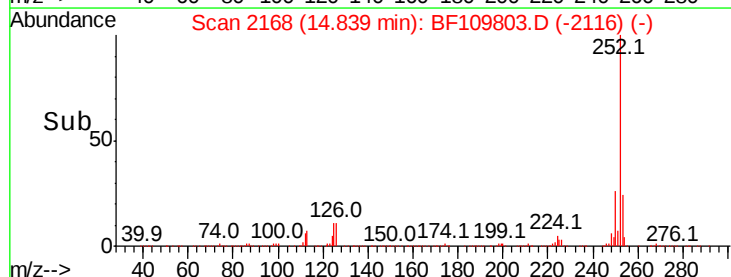
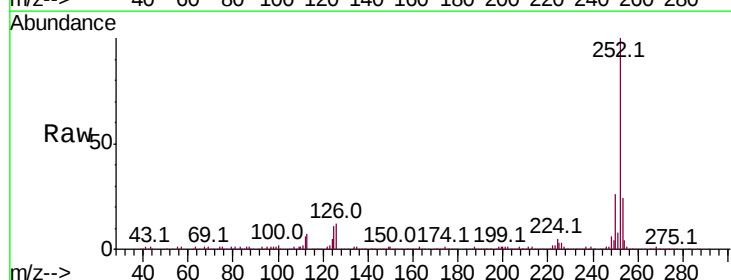
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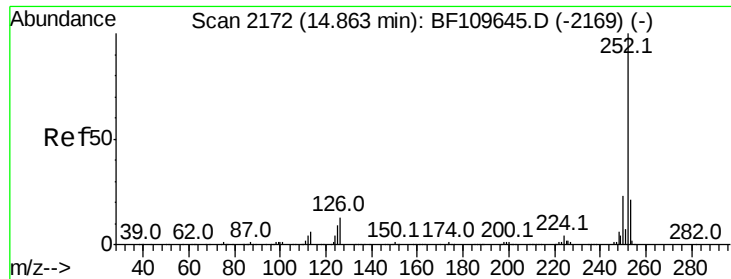
Sohil
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#87
Benzo(b)fluoranthene
Concen: 35.103 ng m
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	10.8	8.2	12.4





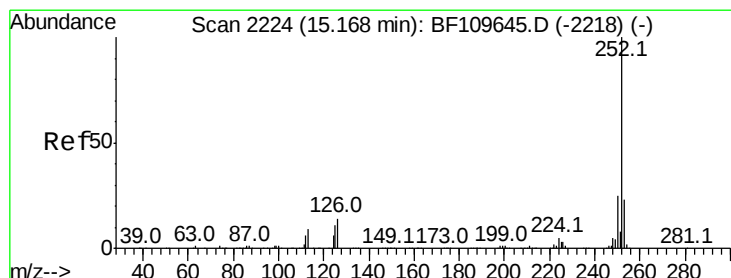
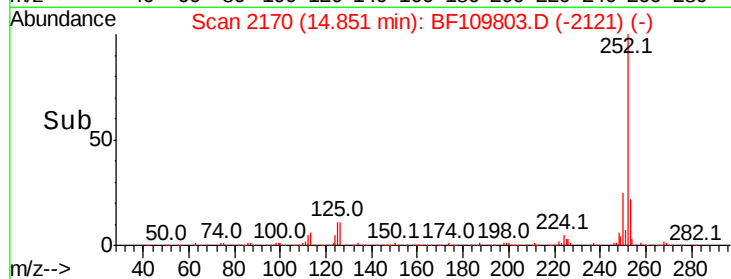
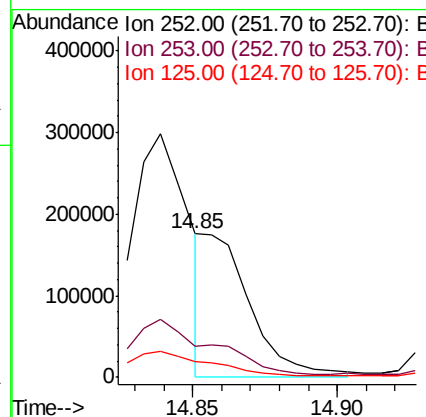
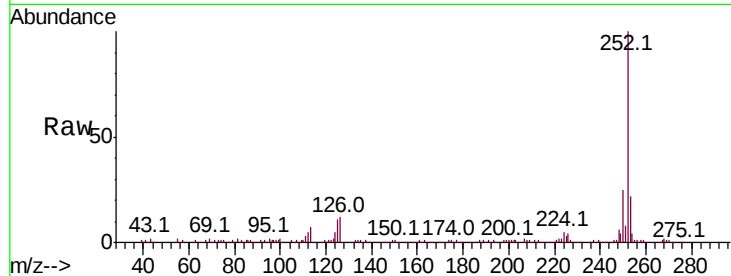
#88
Benzo(k)fluoranthene
Concen: 16.588 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.0	7.4	11.0

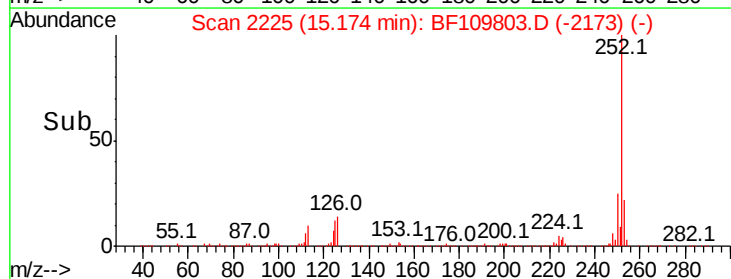
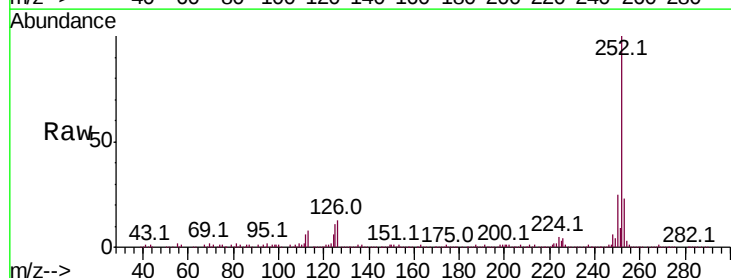
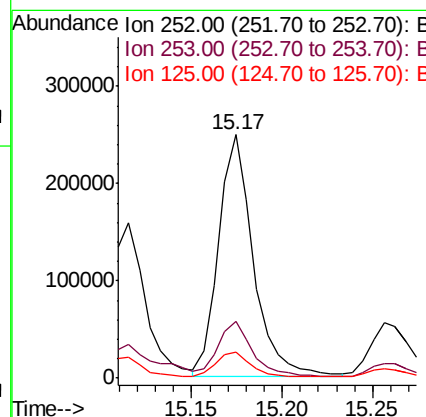
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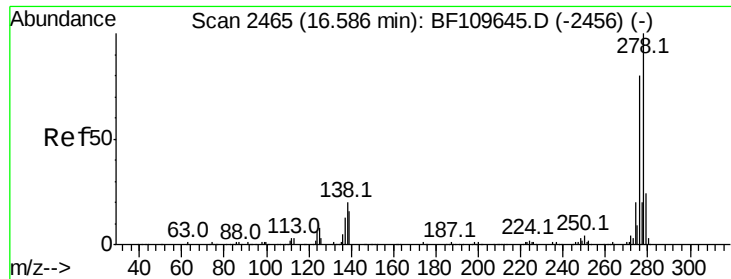
Sohil
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#89
Benzo(a)pyrene
Concen: 31.347 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.4
125	10.7	9.0	13.6





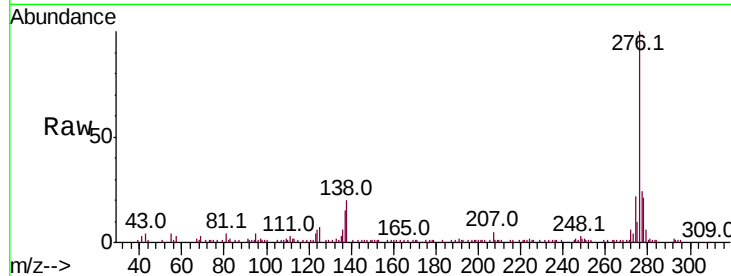
#90
Dibenzo(a,h)anthracene
Concen: 3.543 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18

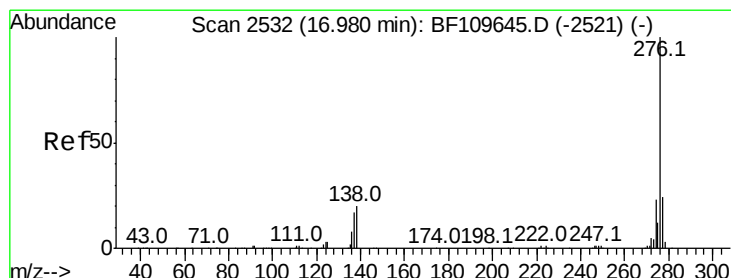
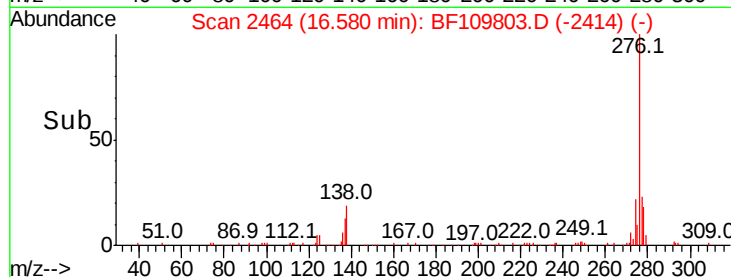
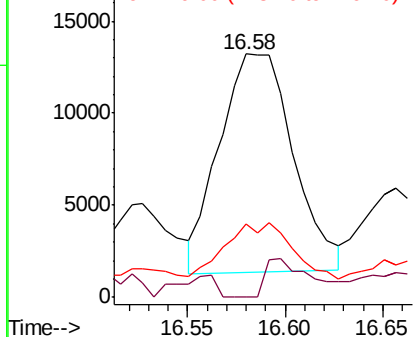
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.7	19.1#
279	30.3	19.0	28.4#

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 14.304 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.00 min
Lab File: BF109803.D
Acq: 11 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	20.1	16.0	24.0

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

