

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
 Data File : BF109853.D
 Acq On : 13 Oct 2018 00:35
 Operator : JU/SJ
 Sample : J5314-01DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Manual Integrations
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Sohil
 10/15/2018 1:00:55 PM

Quant Time: Oct 13 03:11:35 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	117398	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	476543	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	195432	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	334016	20.00	ng	0.00
75) Chrysene-d12	13.83	240	304244	20.00	ng	0.00
86) Perylene-d12	15.23	264	250473	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	183295	27.71	ng	-0.01
7) Phenol-d6	6.34	99	251277	28.44	ng	-0.02
23) Nitrobenzene-d5	7.26	82	179675	20.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	50883	23.89	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	260082	18.33	ng	-0.01
78) Terphenyl-d14	12.77	244	213212	13.57	ng	-0.01
Target Compounds						
51) Acenaphthene	9.75	154	29665	2.624	ng	Qvalue 96
70) Phenanthrene	11.22	178	299957	17.945	ng	99
71) Anthracene	11.28	178	99231	5.743	ng	98
74) Fluoranthene	12.41	202	472528	27.060	ng	97
77) Pyrene	12.63	202	429720	19.278	ng	98
80) Benzo(a)anthracene	13.82	228	221224	13.176	ng	99
82) Chrysene	13.86	228	185777	10.534	ng	97
85) Indeno(1,2,3-cd)pyrene	16.58	276	60456	4.789	ng	# 95
87) Benzo(b)fluoranthene	14.84	252	167745m	12.119	ng	
88) Benzo(k)fluoranthene	14.86	252	82877m	5.959	ng	
89) Benzo(a)pyrene	15.17	252	134292	10.691	ng	98
91) Benzo(a,h,i)perylene	16.98	276	63663	6.180	ng	95

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

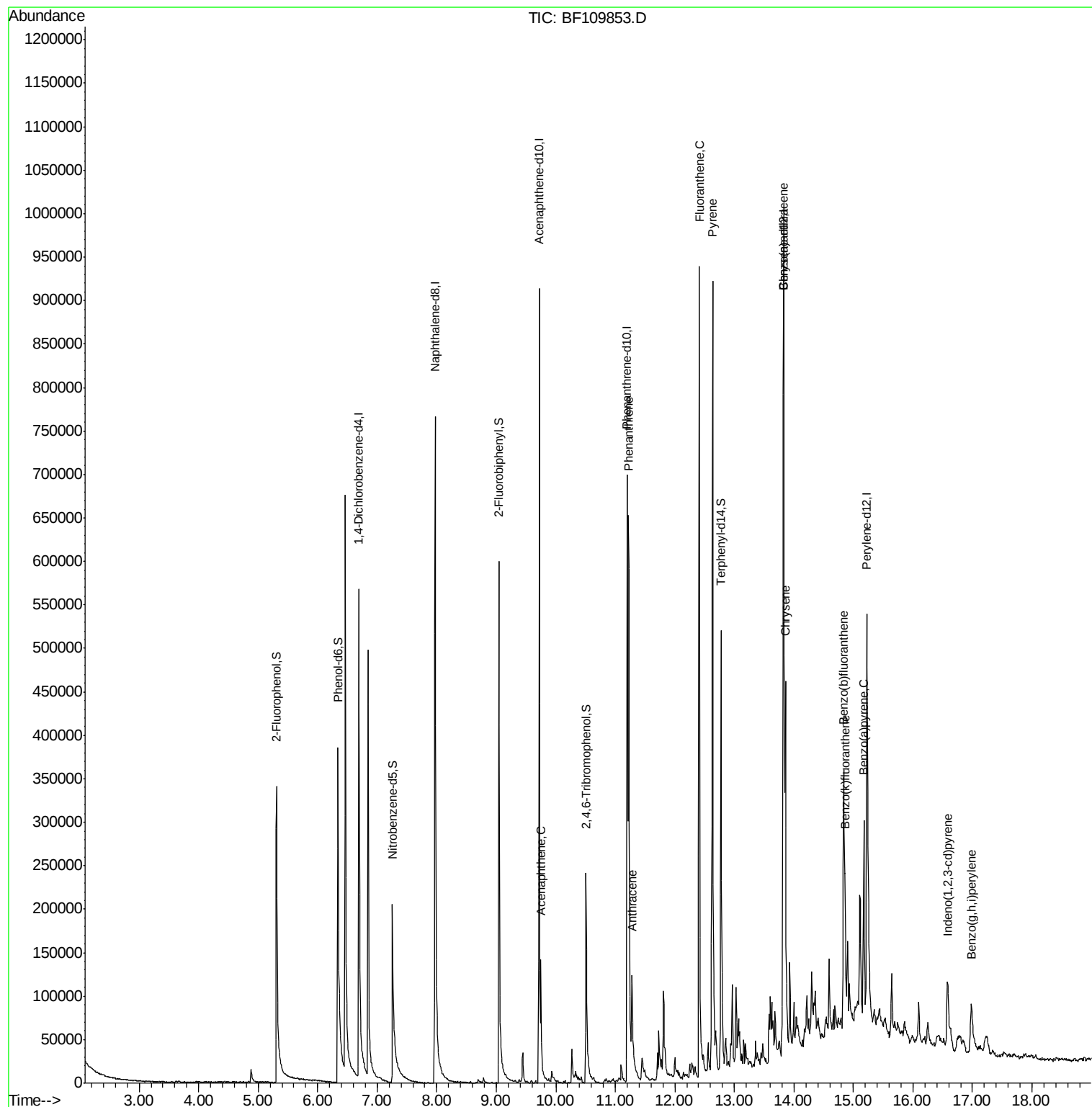
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109853.D
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Sample : J5314-01DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

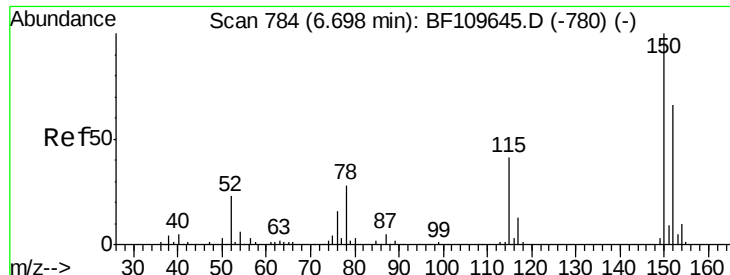
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

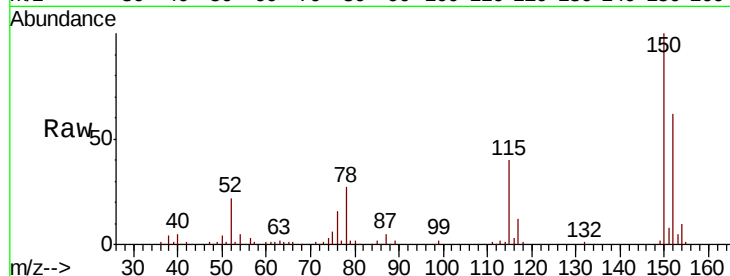
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	122.7	184.1
115	64.4	49.1	73.7

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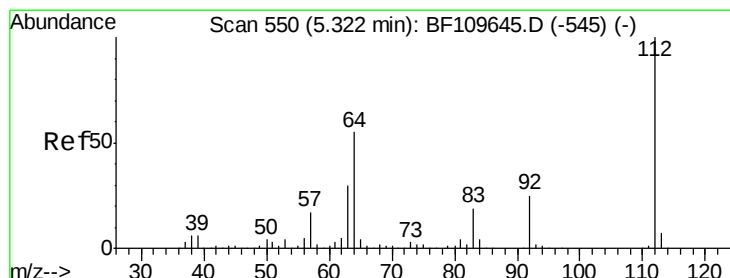
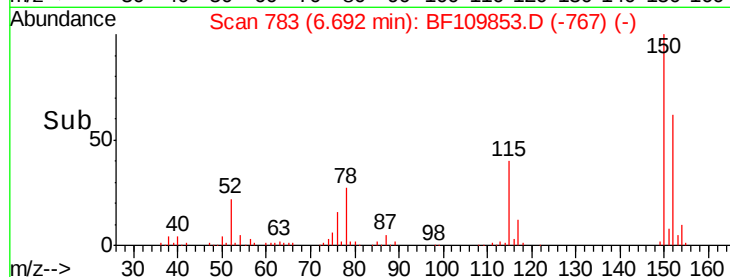
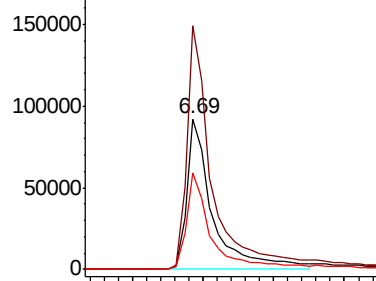


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

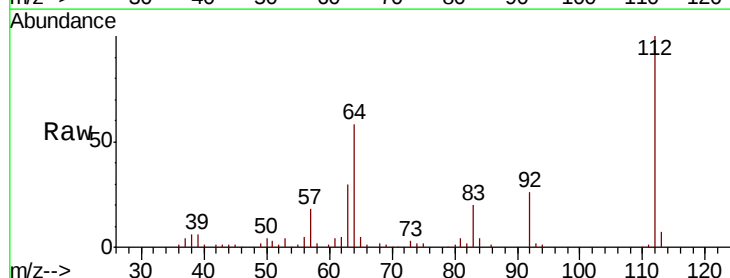
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 27.714 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	44.1	66.1
63	30.3	23.7	35.5

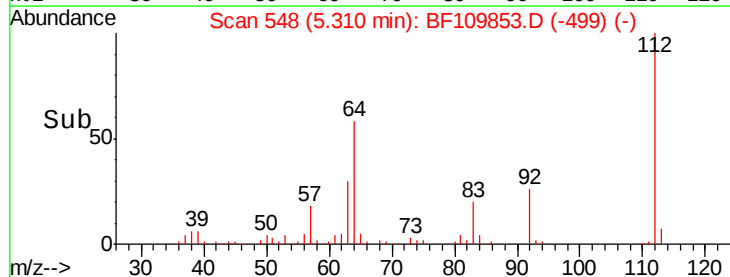
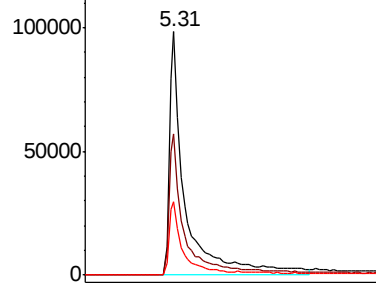


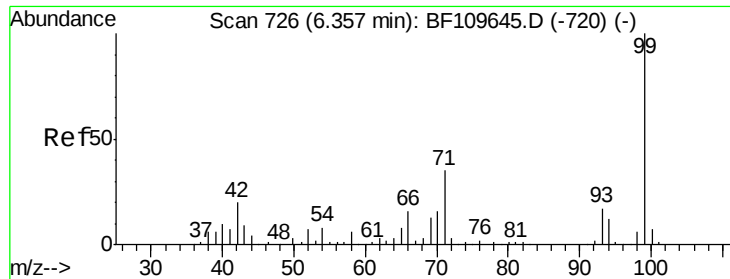
Abundance

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: 28.440 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

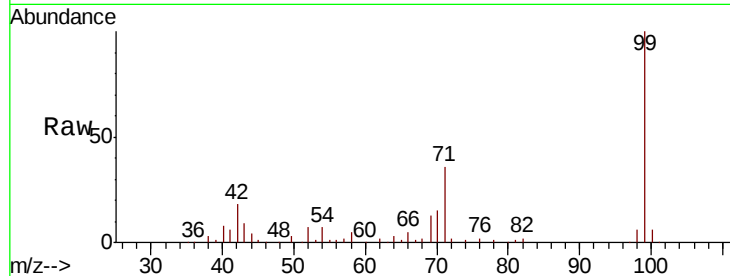
ClientSampleId :

DOCUMENTATION-18DL

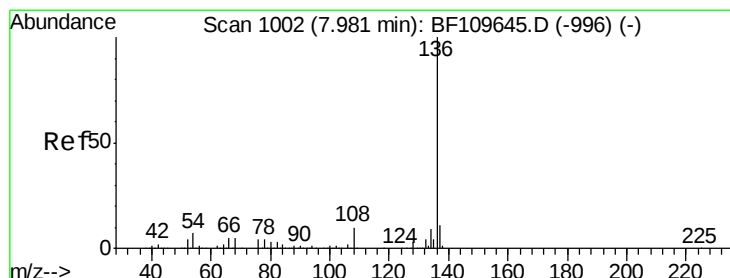
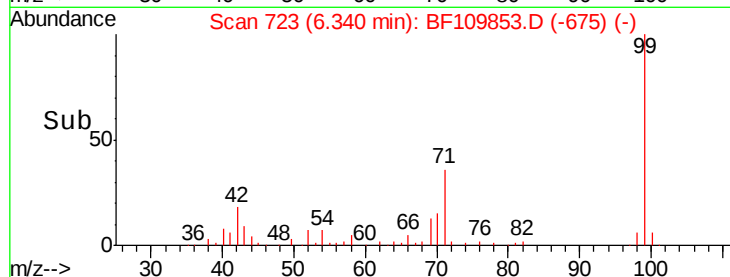
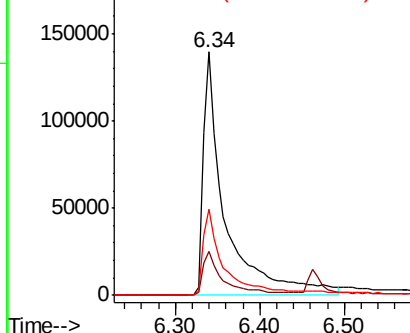
Tot Ion:	99	Resp:	251277
Ion Ratio	Lower	Upper	
99	100		
42	18.1	15.8	23.6
71	35.5	28.0	42.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

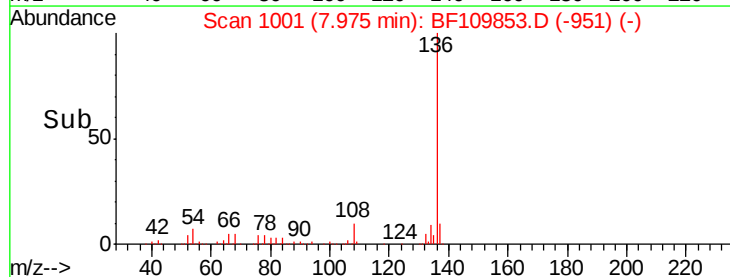
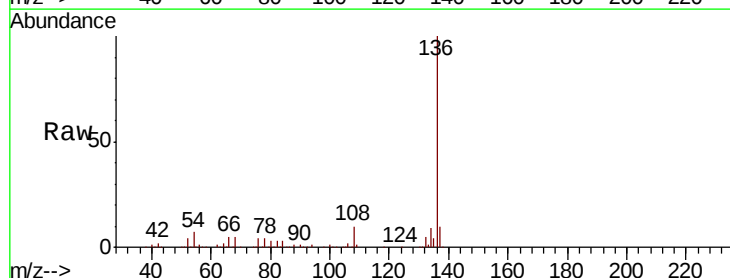
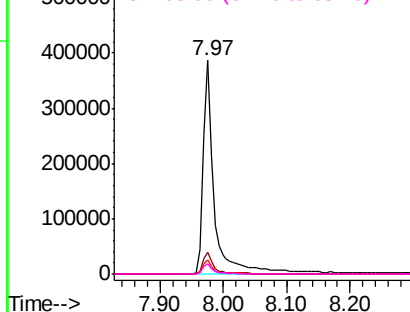
Delta R.T. -0.01 min

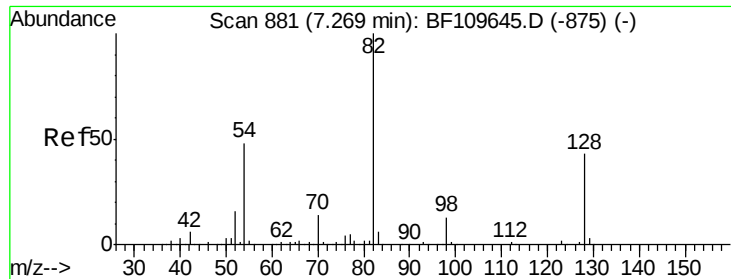
Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Tgt Ion:	136	Resp:	476543
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.8	13.2
54	6.8	5.4	8.2
68	5.1	4.2	6.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





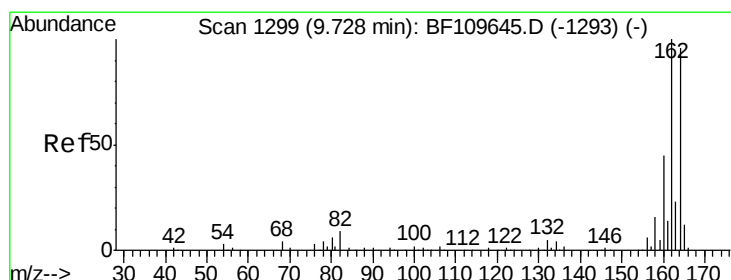
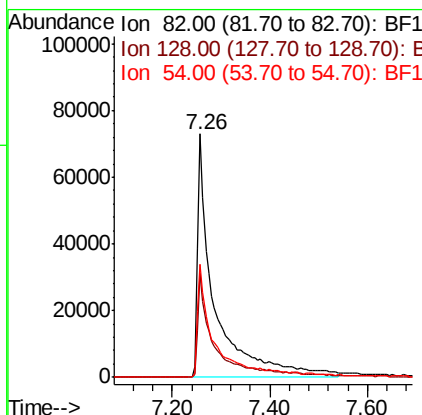
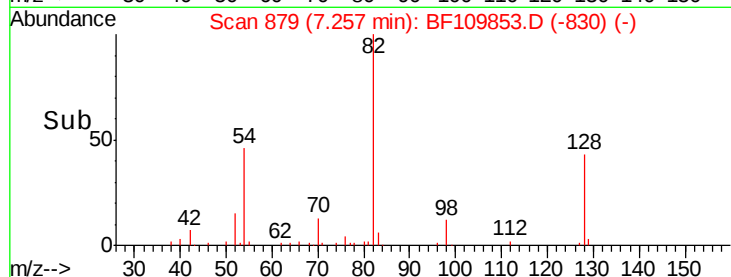
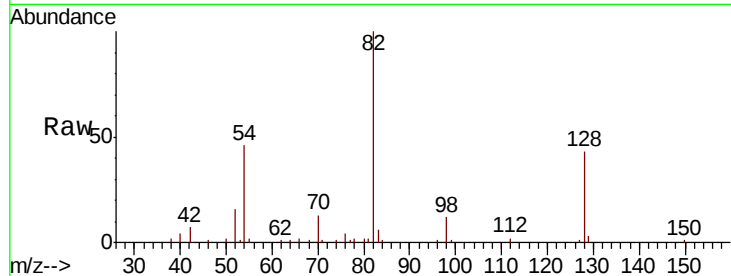
#23
Nitrobenzene-d5
Concen: 20.784 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.2	51.2
54	46.5	38.6	58.0

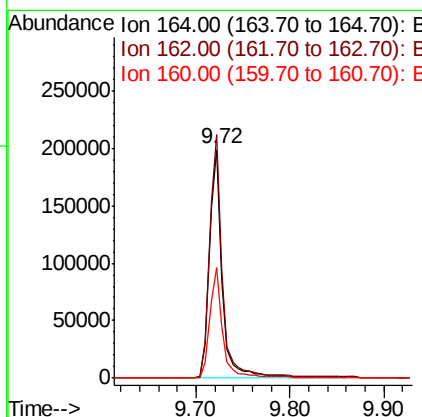
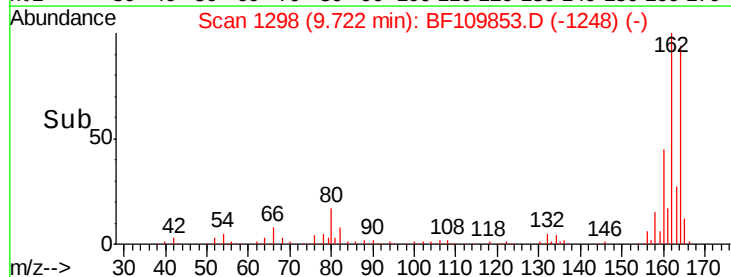
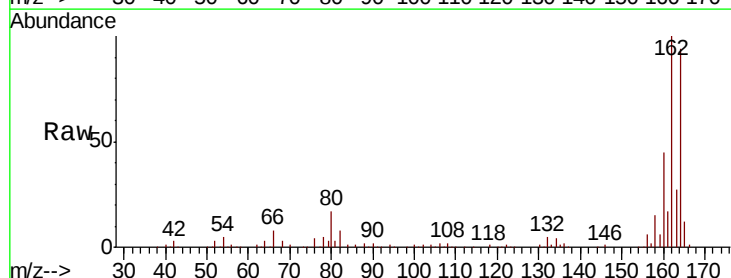
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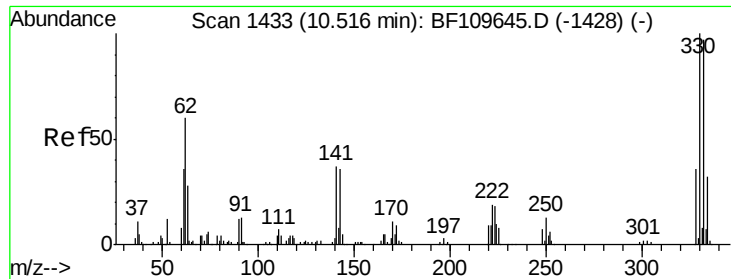
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	83.0	124.6
160	48.2	37.0	55.6





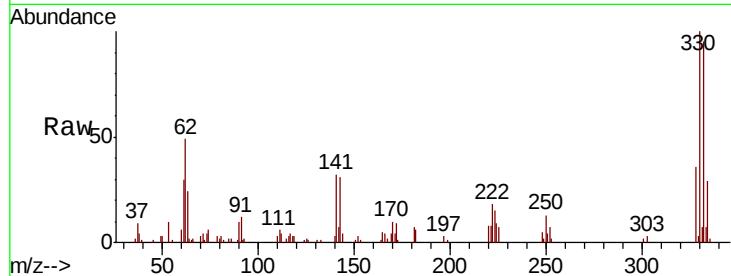
#41
 2,4,6-Tribromophenol
 Concen: 23.895 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	33.1	27.0	40.4

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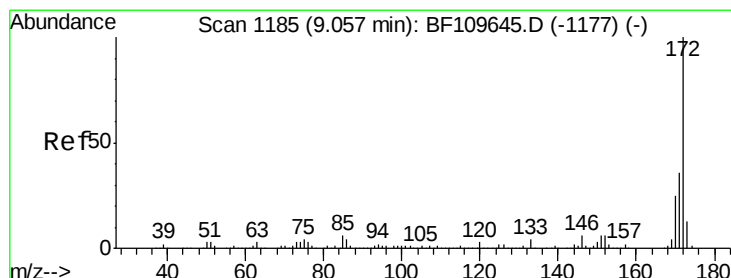
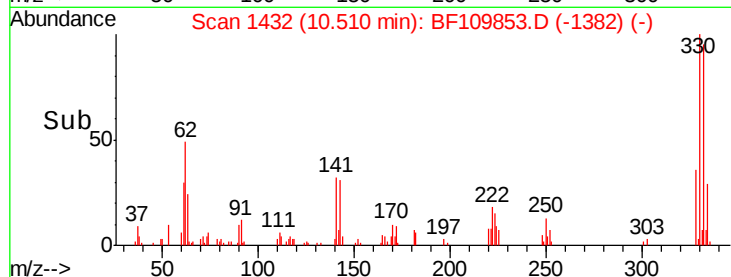
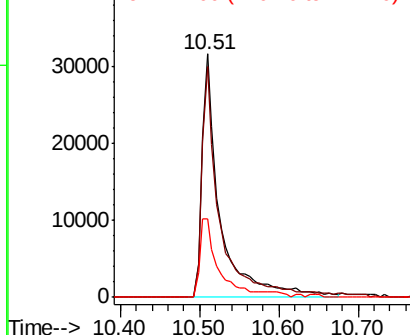


Abundance

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: 18.329 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF109853.D
 Acq: 13 Oct 2018 00:35

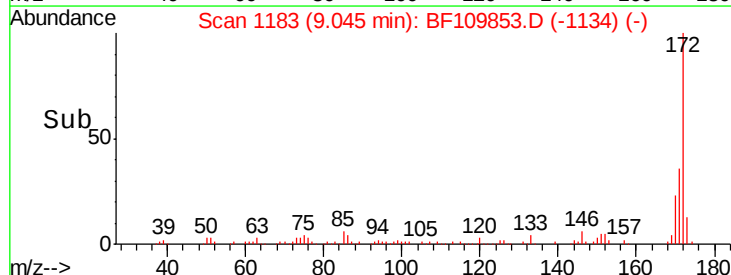
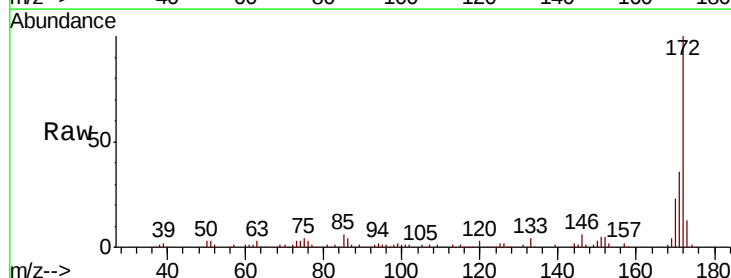
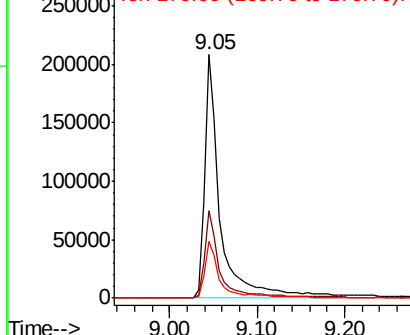
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	23.1	19.7	29.5

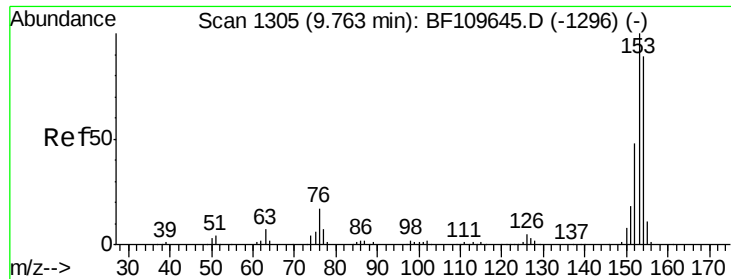
Abundance

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





#51

Acenaphthene

Concen: 2.624 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

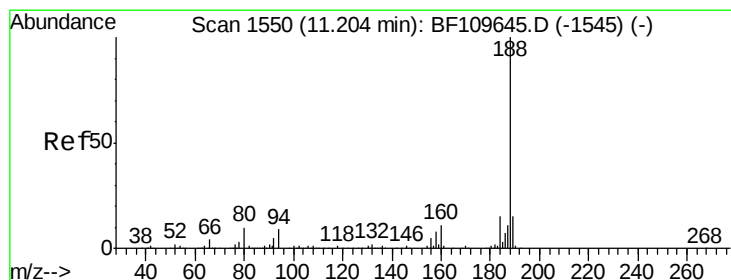
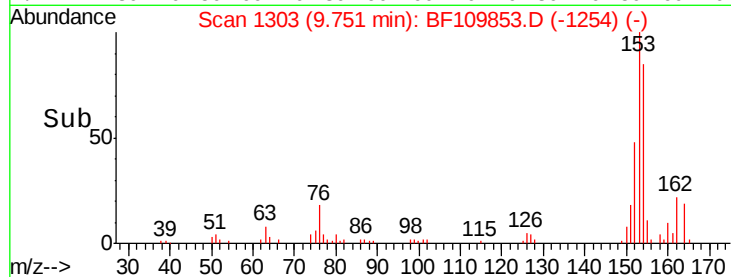
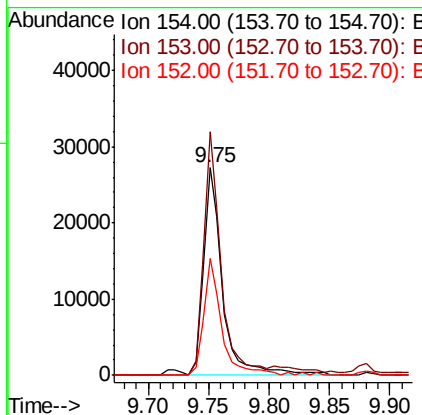
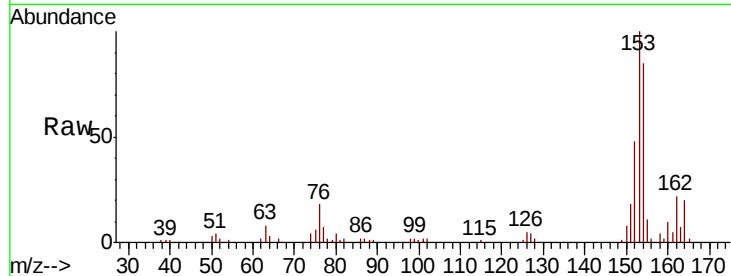
ClientSampleId :

DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.5	90.1	135.1
152	56.4	43.4	65.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

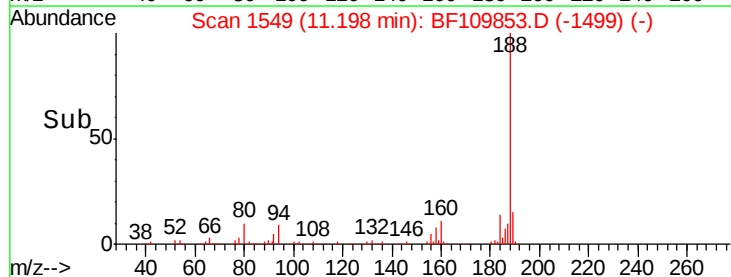
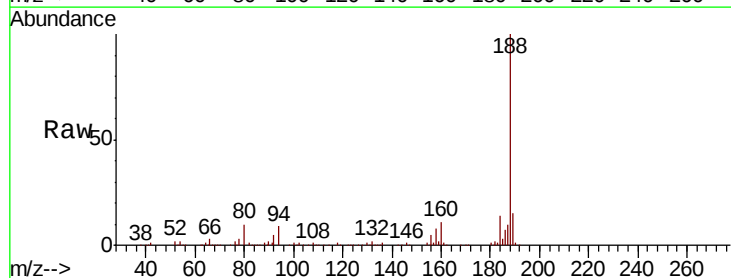
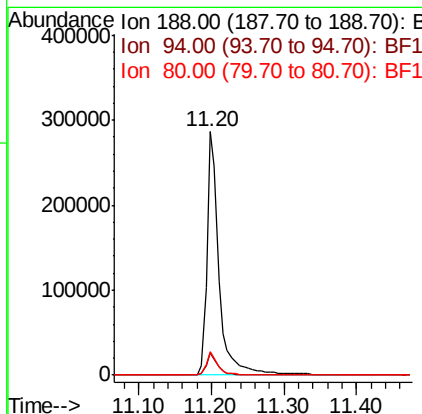
RT: 11.20 min Scan# 1549

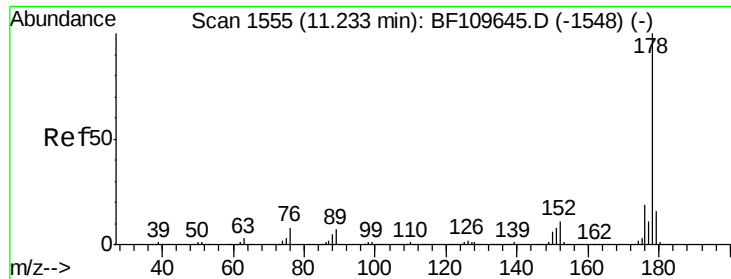
Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.2	10.8
80	9.6	7.9	11.9





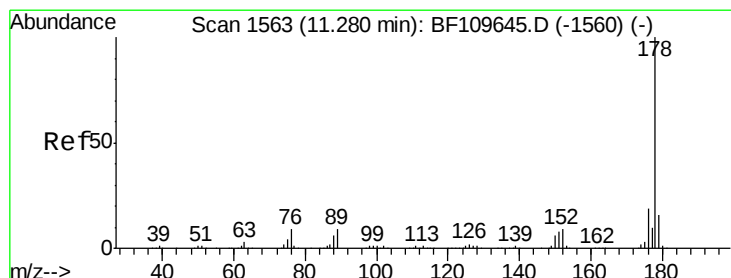
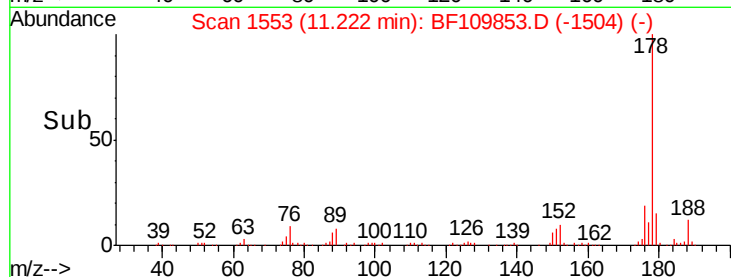
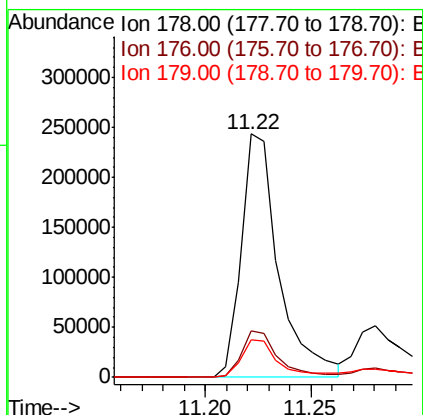
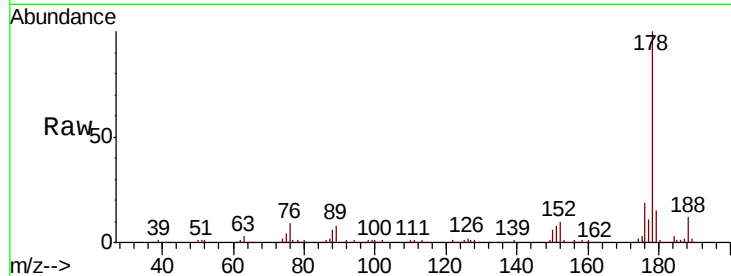
#70
Phenanthrene
Concen: 17.945 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.2	12.5	18.7

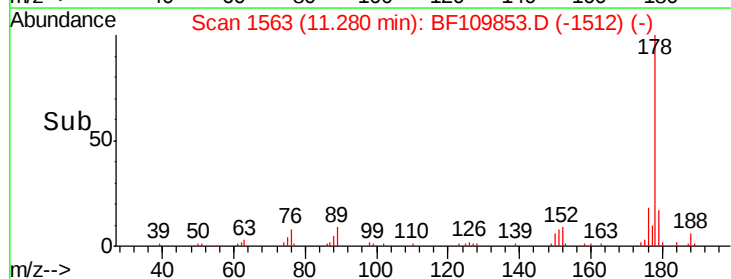
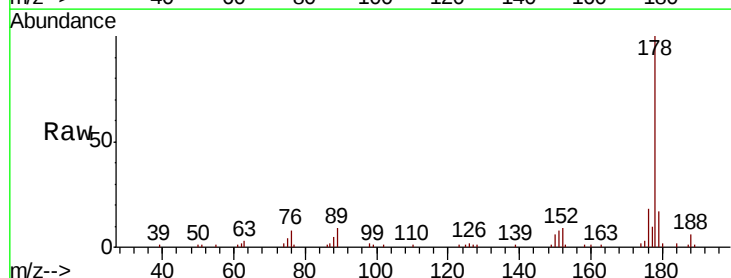
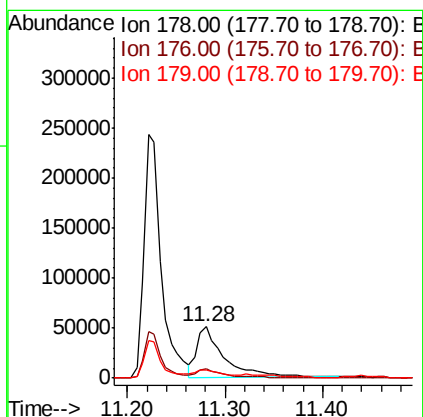
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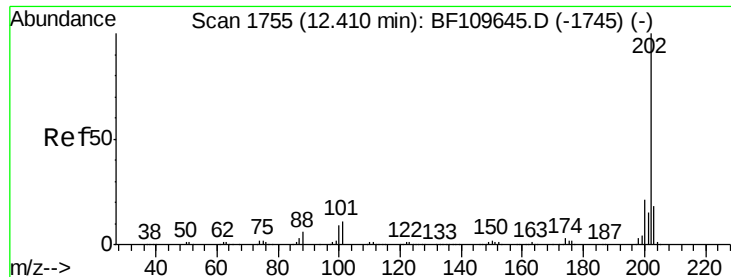
Sohil
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#71
Anthracene
Concen: 5.743 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.9	12.6	18.8





#74

Fluoranthene

Concen: 27.060 ng

RT: 12.41 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

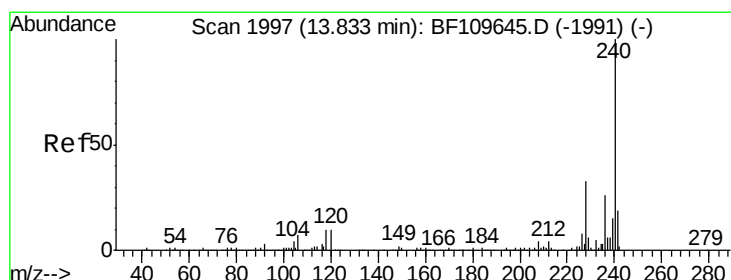
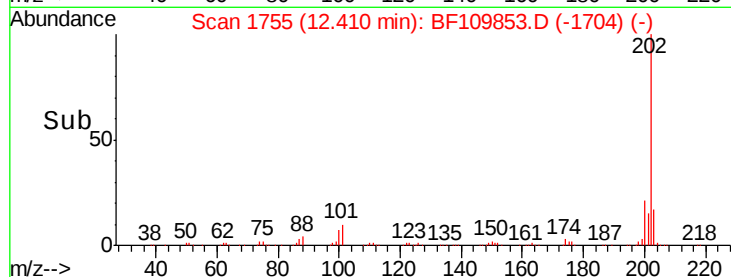
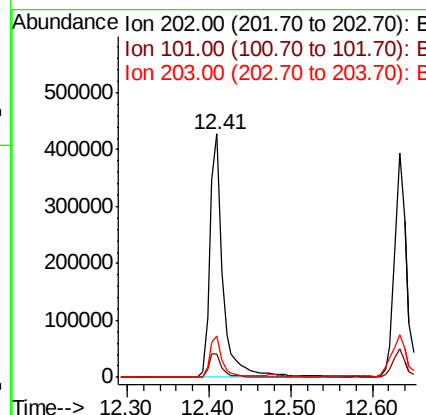
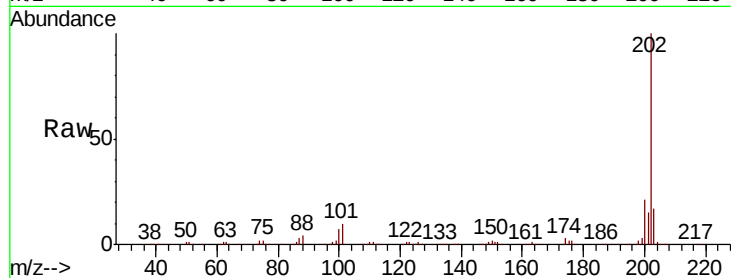
ClientSampleId :

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Tot Ion:	202	Resp:	472528
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	31.4
203	17.1	0.0	37.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

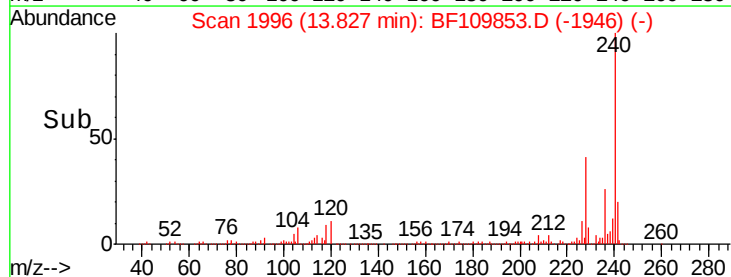
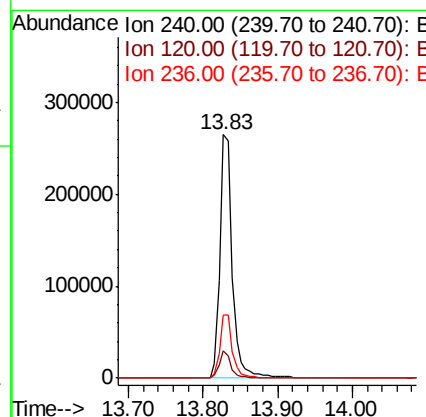
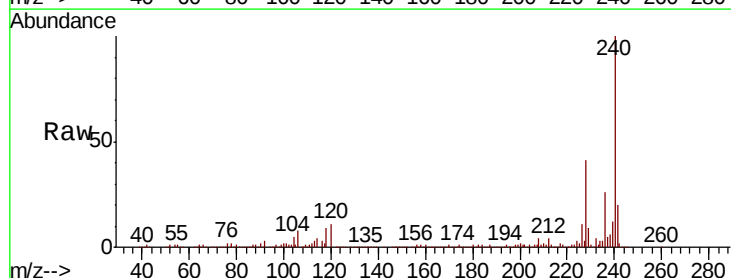
RT: 13.83 min Scan# 1996

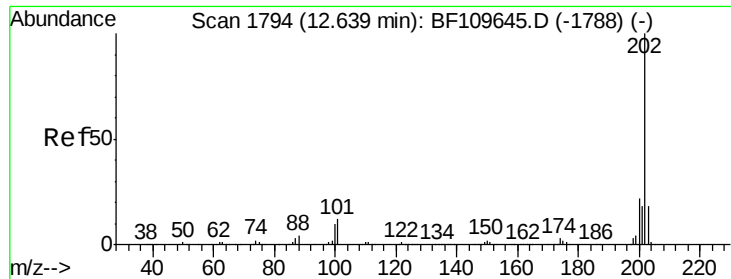
Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Tgt Ion:	240	Resp:	304244
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.3	12.5
236	26.2	21.2	31.8





#77

Pvrene

Concen: 19.278 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

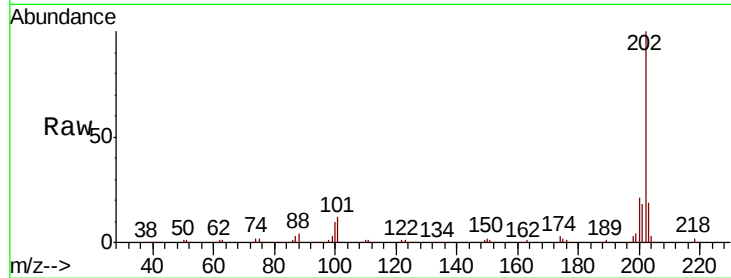
ClientSampleId :

DOCUMENTATION-18DL

Tot Ion:	202	Resp:	429720
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.8	26.6
203	18.9	14.2	21.4

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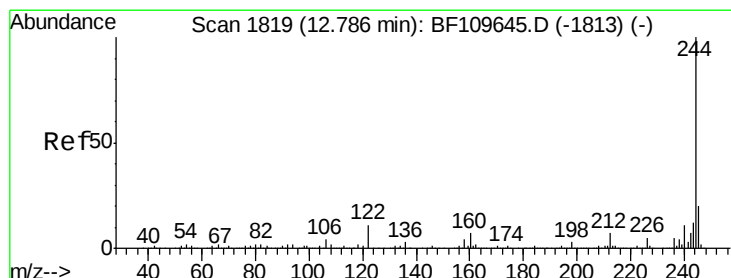
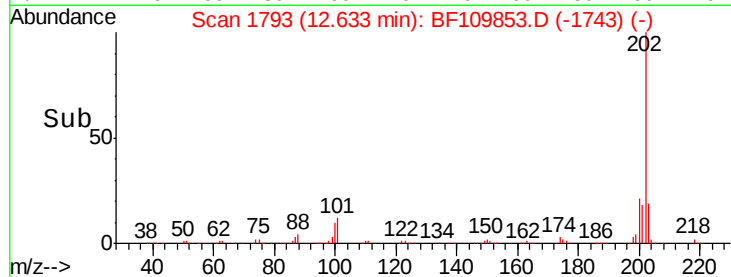
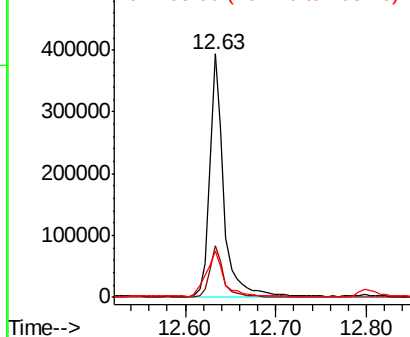


Abundance

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: 13.566 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

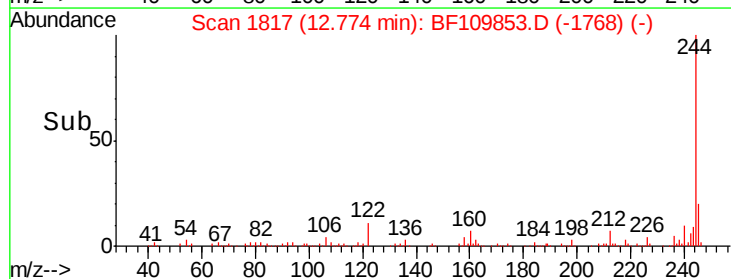
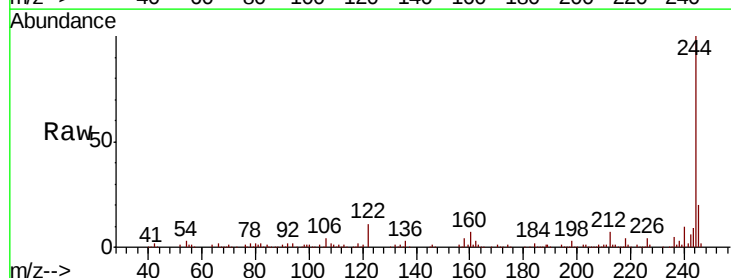
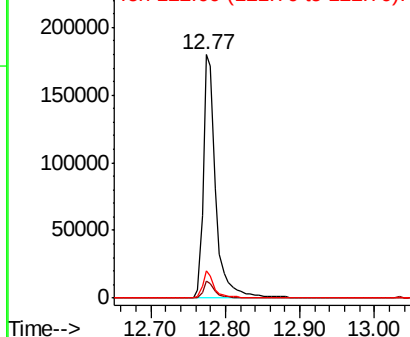
Tgt Ion:	244	Resp:	213212
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.8	8.8
122	11.1	8.7	13.1

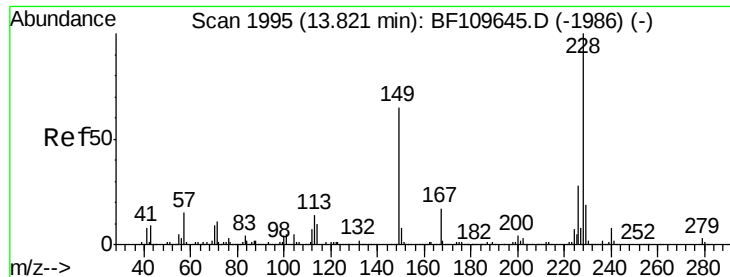
Abundance

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





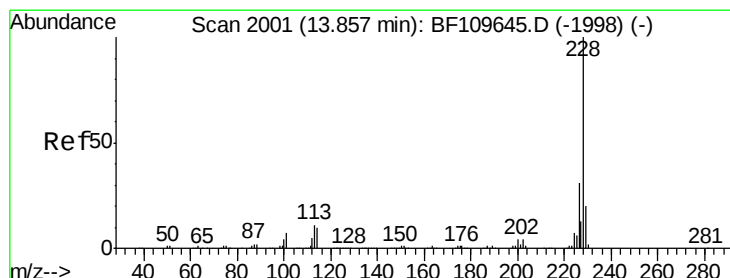
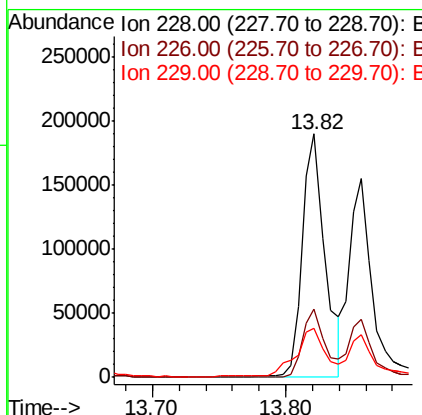
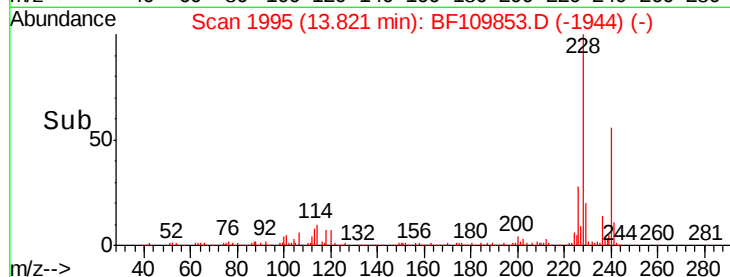
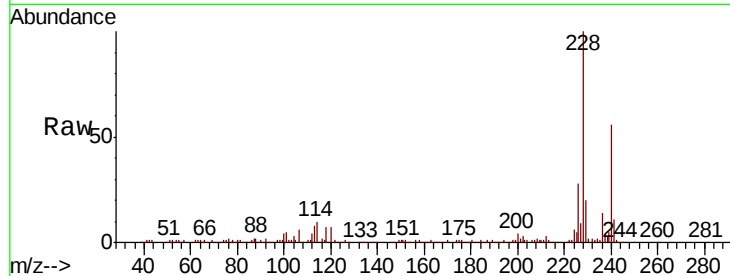
#80
Benzo(a)anthracene
Concen: 13.176 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.4	15.6	23.4

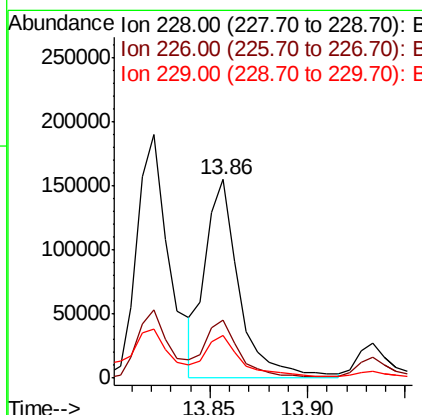
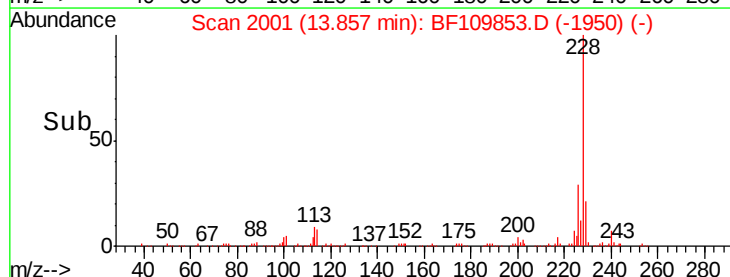
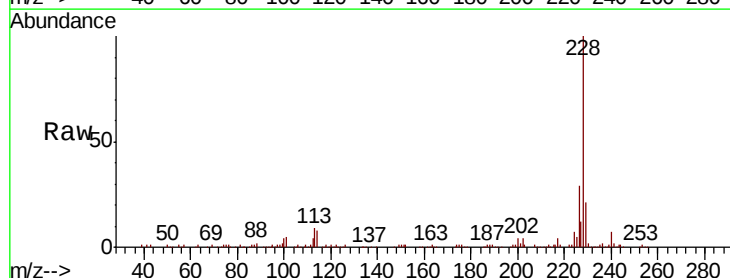
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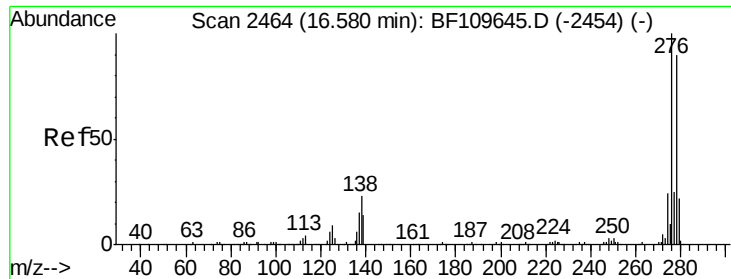
Sohil
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#82
Chrysene
Concen: 10.534 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.7	37.1
229	21.2	15.9	23.9





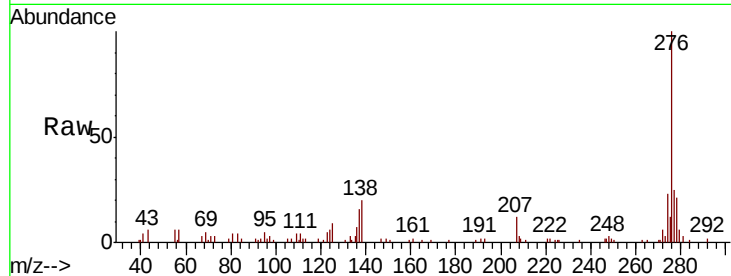
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.789 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

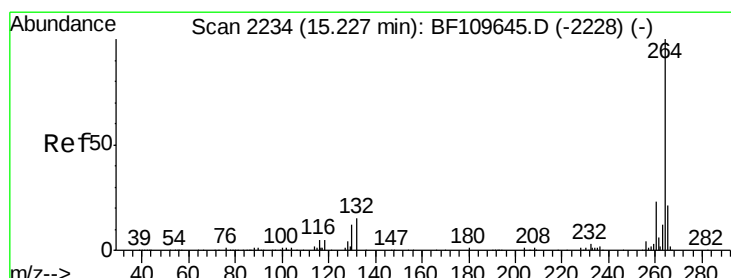
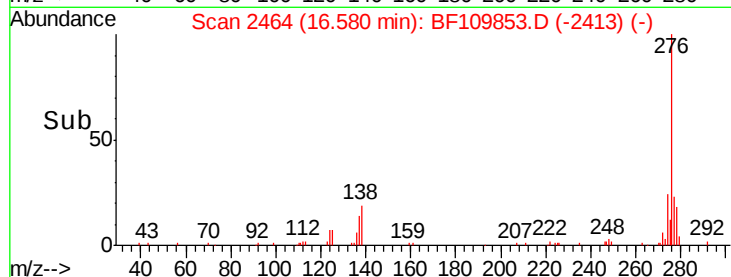
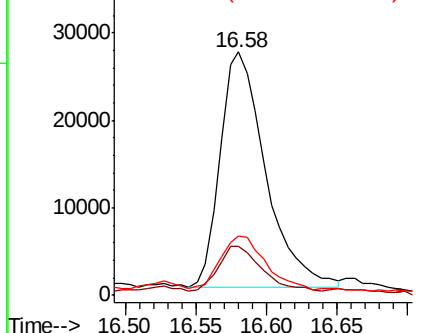
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	18.5	27.7#
277	24.7	20.0	30.0

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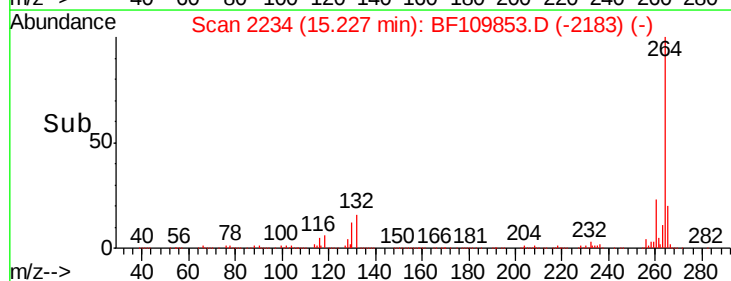
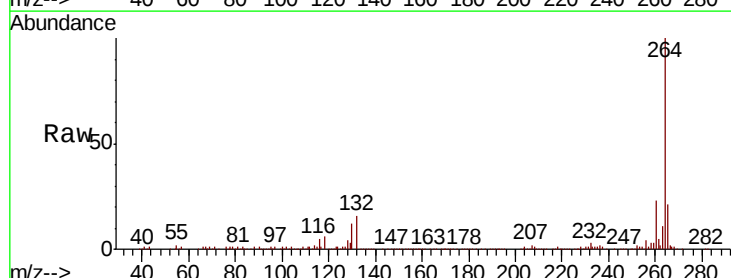
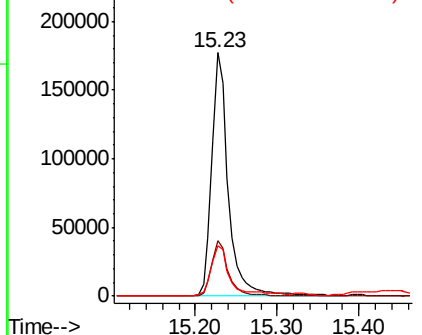
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

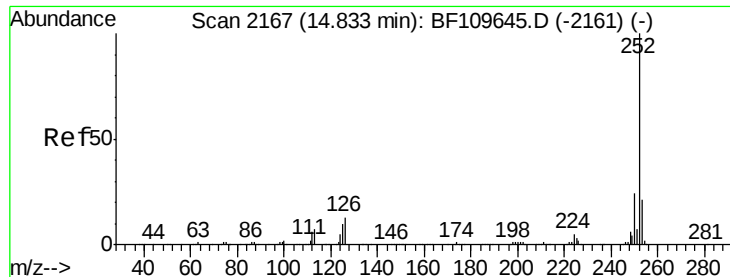


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	20.5	16.7	25.1

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





#87

Benzo(b)fluoranthene

Concen: 12.119 ng m

RT: 14.84 min Scan# 2168

Delta R.T. 0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Instrument :

BNA_F

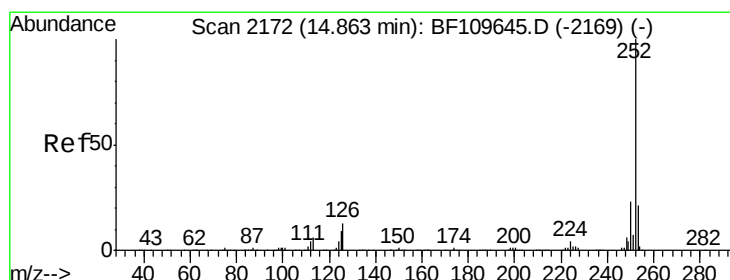
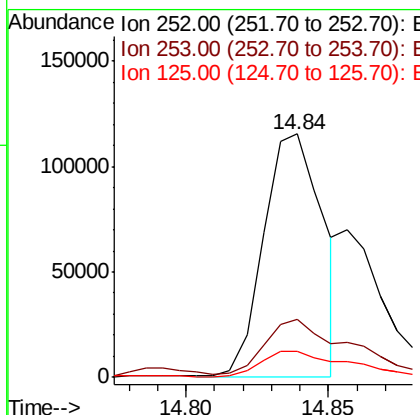
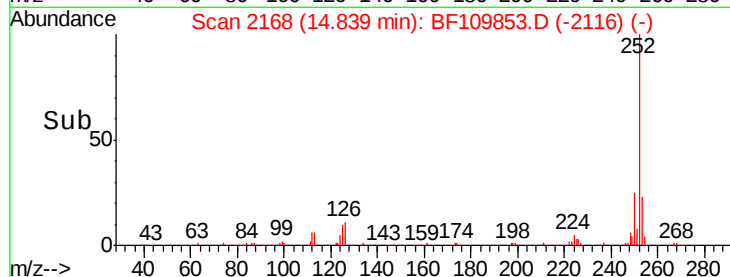
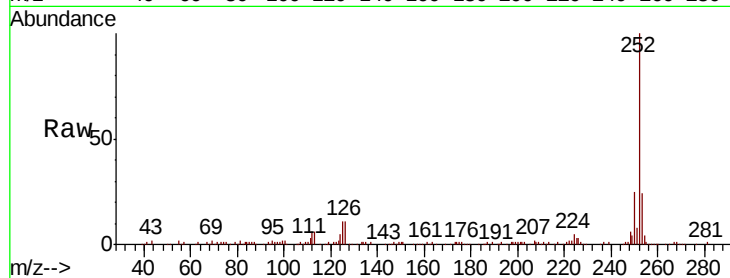
ClientSampleId :

DOCUMENTATION-18DL

Tot Ion:	252	Resp:	167745
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	10.6	8.2	12.4

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 5.959 ng m

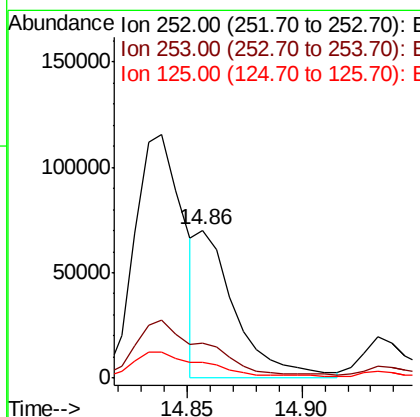
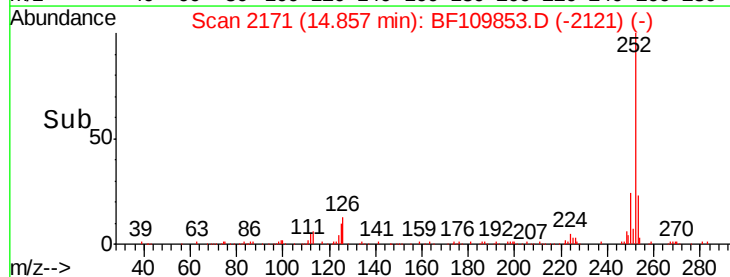
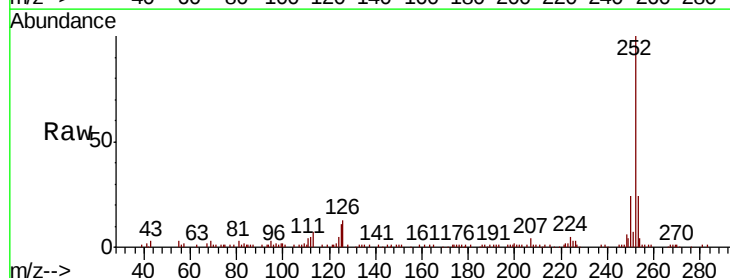
RT: 14.86 min Scan# 2171

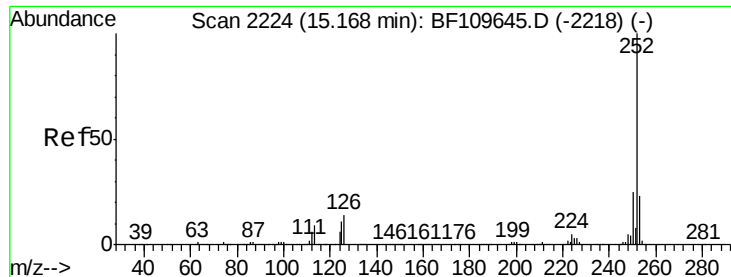
Delta R.T. -0.01 min

Lab File: BF109853.D

Acq: 13 Oct 2018 00:35

Tgt Ion:	252	Resp:	82877
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.2	25.8
125	10.8	7.4	11.0





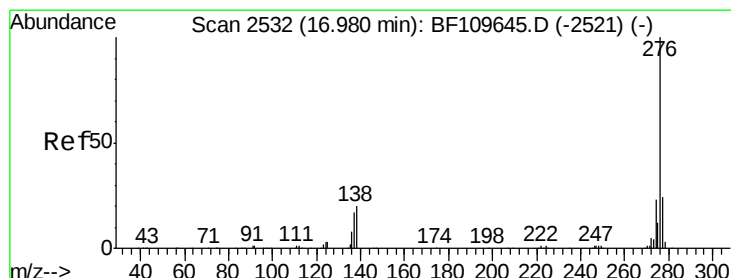
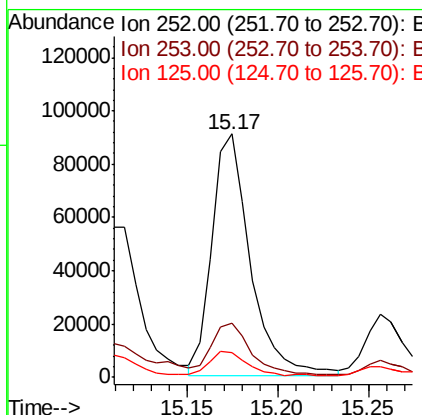
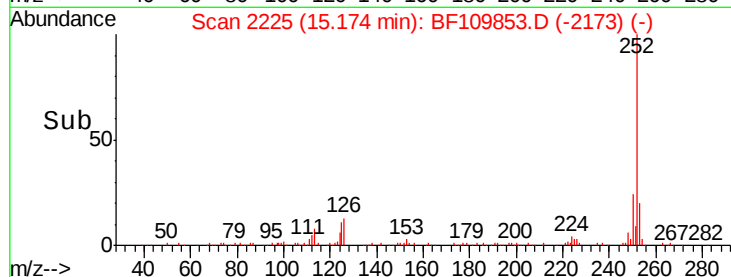
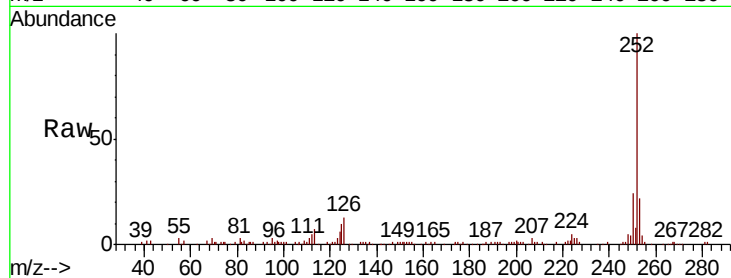
#89
Benzo(a)pyrene
Concen: 10.691 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.4	9.0	13.6

Manual Integrations
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10/15/2018 1:00:55 PM



#91
Benzo(g,h,i)perylene
Concen: 6.180 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF109853.D
Acq: 13 Oct 2018 00:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	22.3	16.0	24.0

