

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109110.D
 Acq On : 18 Sep 2018 21:50
 Operator : JU/SJ
 Sample : J4962-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 291-11984

Manual Integrations
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Quant Time: Sep 19 05:21:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	127237	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	452929	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	187959	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	315517	20.00	ng	0.00
75) Chrysene-d12	13.85	240	326188	20.00	ng	0.00
86) Perylene-d12	15.26	264	300205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	291546	38.06	ng	0.00
7) Phenol-d6	6.35	99	471878	47.77	ng	0.00
23) Nitrobenzene-d5	7.28	82	312121	38.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.54	330	29103	14.27	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	578677	48.24	ng	0.00
78) Terphenyl-d14	12.81	244	503164	36.56	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.47	163	76234	5.675	ng	99
70) Phenanthrene	11.25	178	61245	3.960	ng	98
74) Fluoranthene	12.44	202	84828	5.195	ng	94
77) Pyrene	12.66	202	94546	3.902	ng	97
80) Benzo(a)anthracene	13.85	228	43267	2.191	ng	97
82) Chrysene	13.88	228	44883	2.272	ng	95
87) Benzo(b)fluoranthene	14.86	252	43943m	2.646	ng	
89) Benzo(a)pyrene	15.20	252	32918	2.232	ng	# 95

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

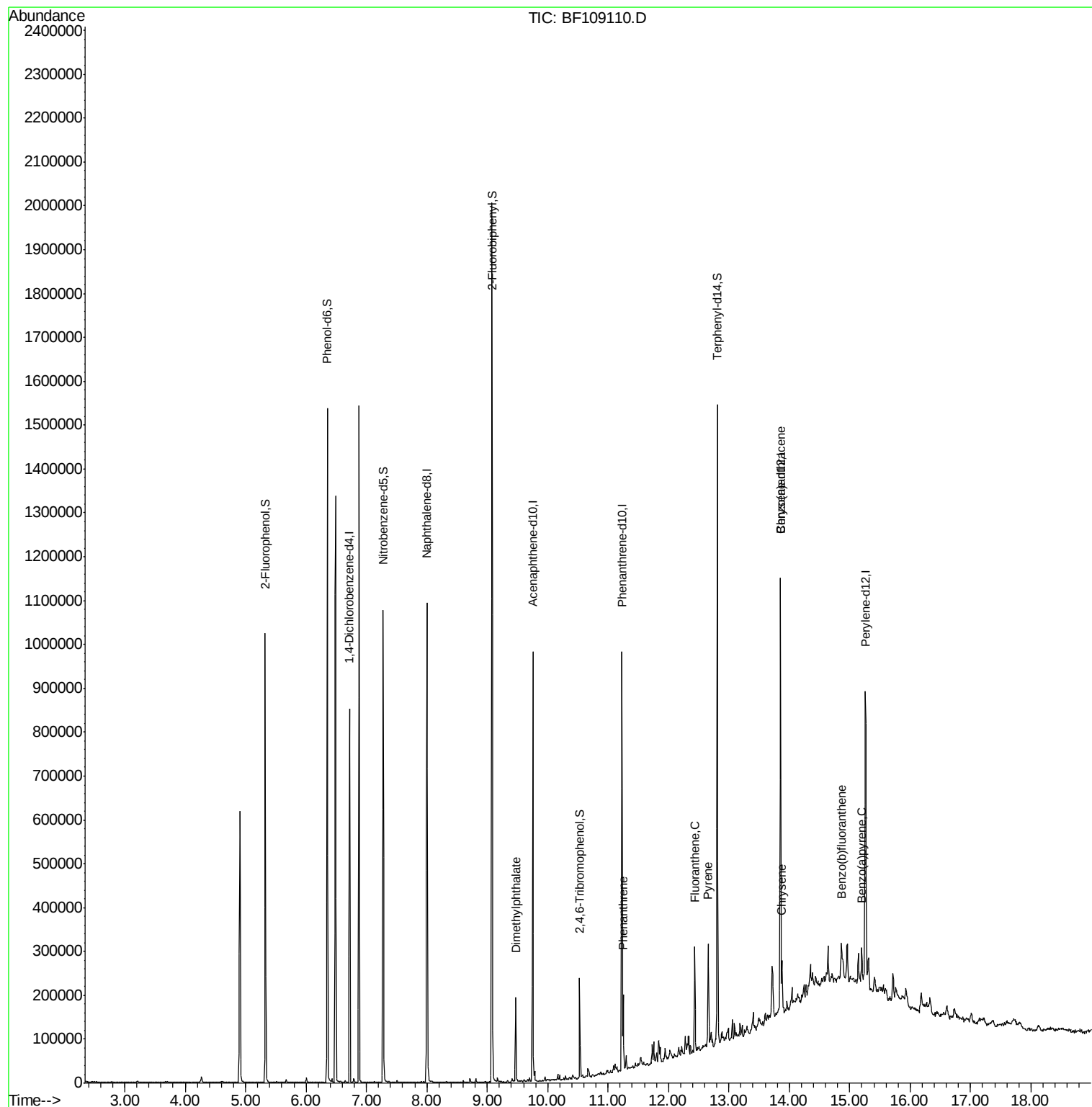
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
Data File : BF109110.D
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#1

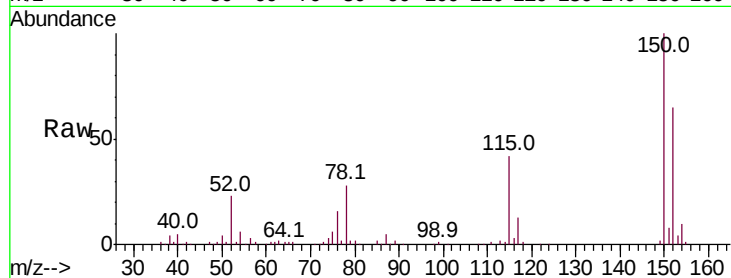
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampleId :
291-11984

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	186.8
115	65.1	50.1	75.1

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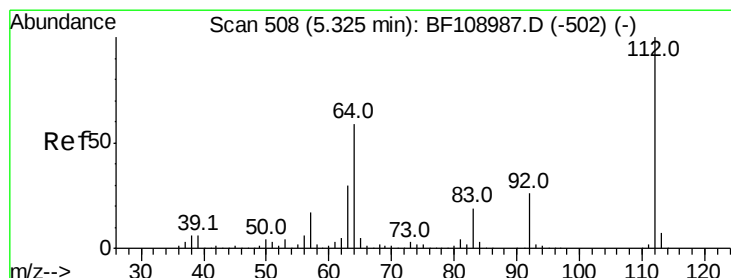
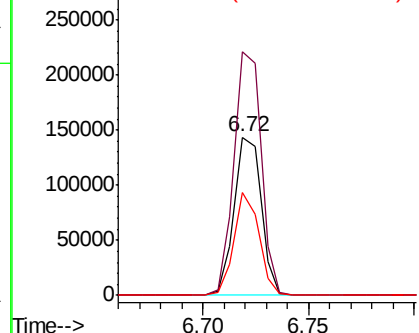
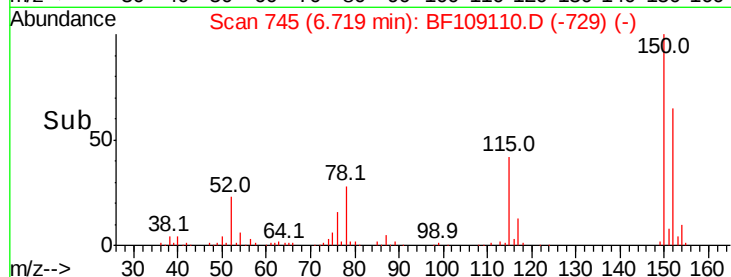


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

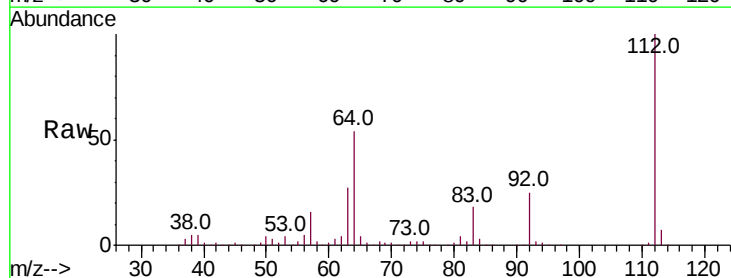
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 38.057 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.4	23.7	35.5

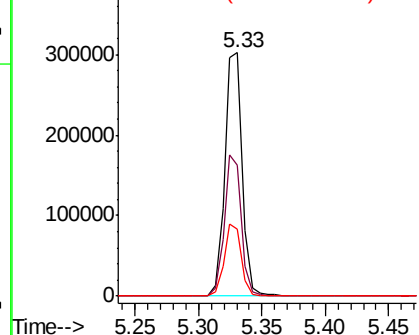
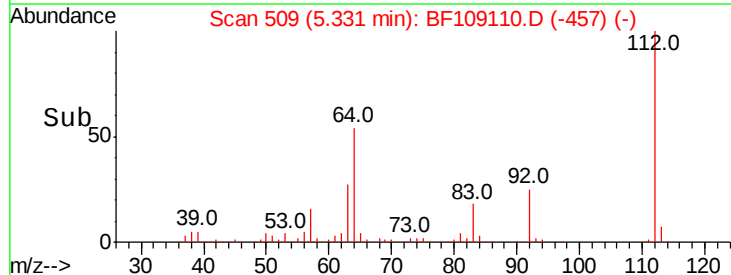


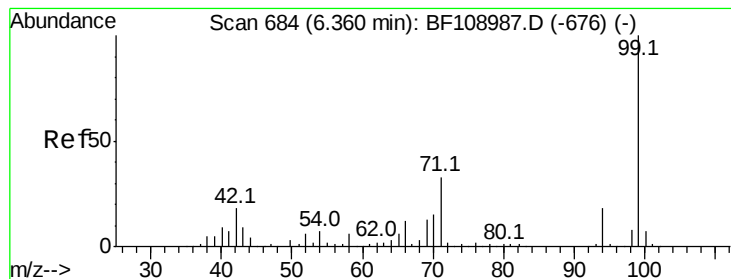
Abundance

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: 47.769 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

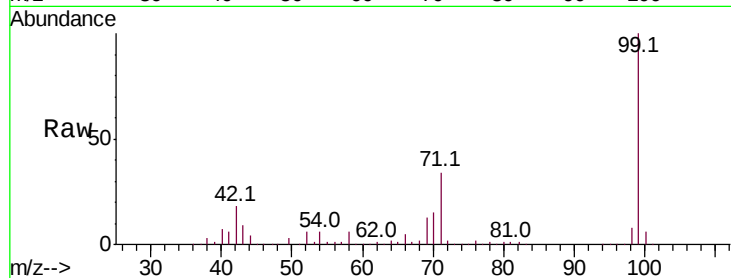
ClientSampleId :

291-11984

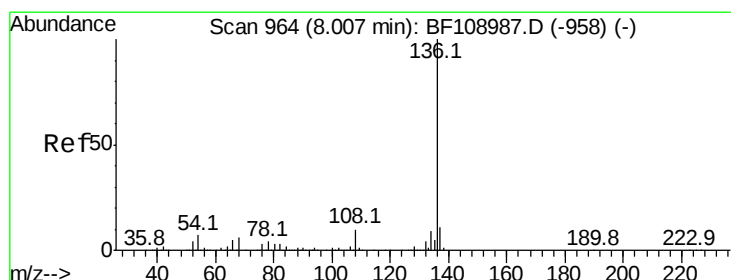
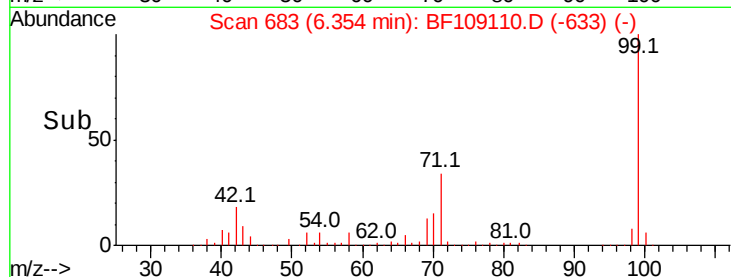
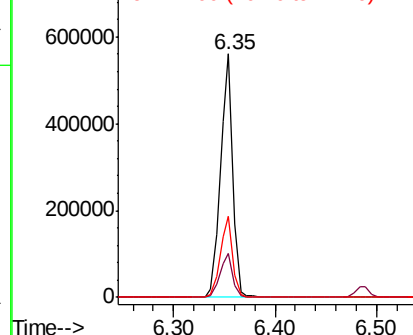
Tot Ion:	99	Resp:	471878
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	33.5	25.4	38.0

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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: 8.00 min Scan# 963

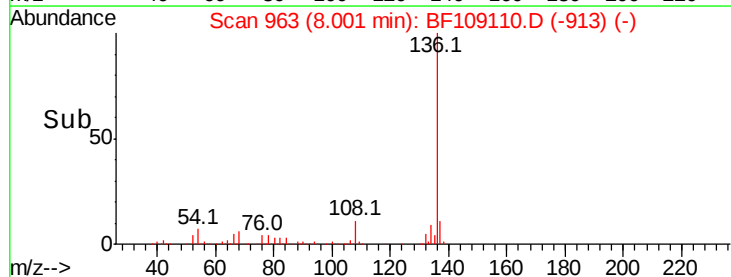
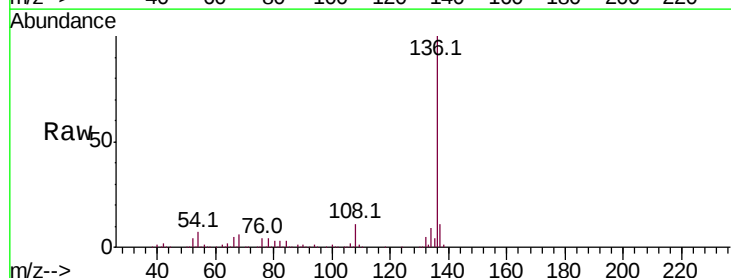
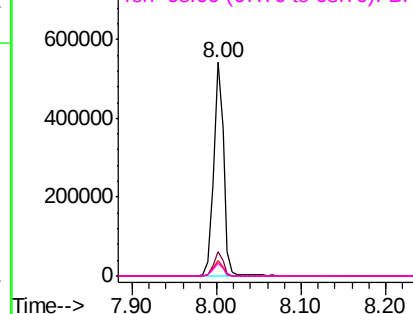
Delta R.T. -0.01 min

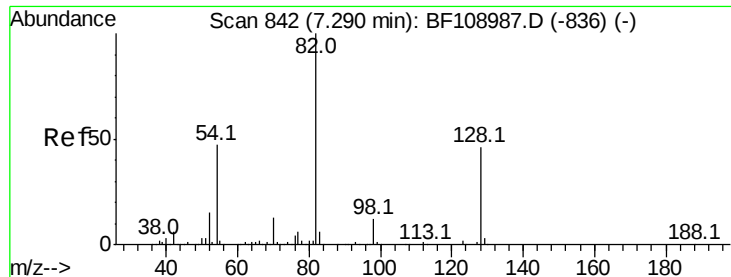
Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Tgt Ion:	136	Resp:	452929
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.4	6.6	9.8
68	6.1	5.0	7.4

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: 38.651 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

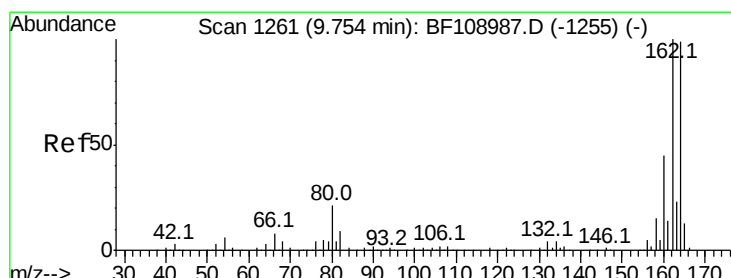
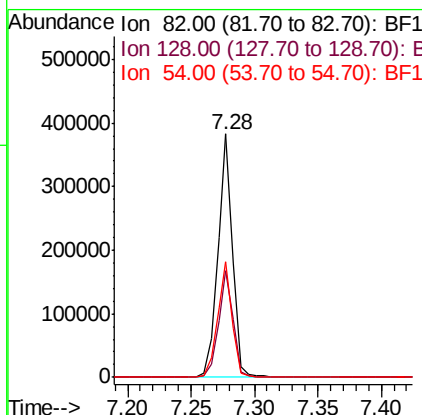
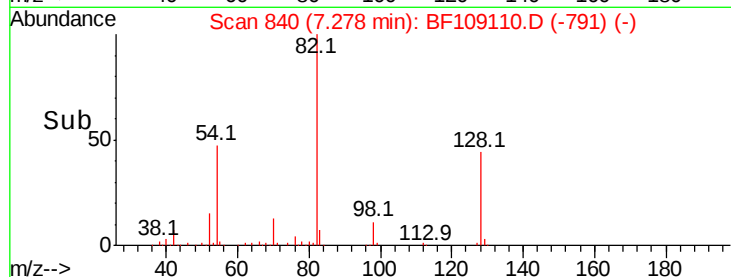
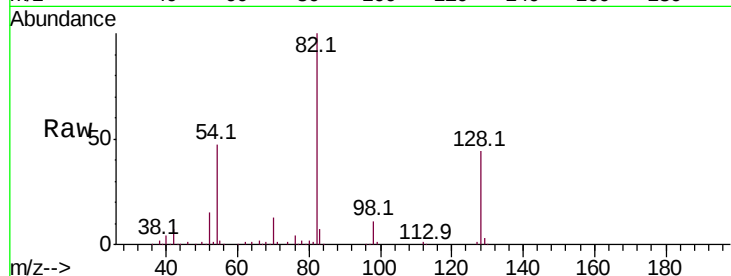
ClientSampled :

291-11984

Tot Ion	82	Resp	312121
Ion Ratio	Lower	Upper	
82	100		
128	44.0	36.1	54.1
54	47.4	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

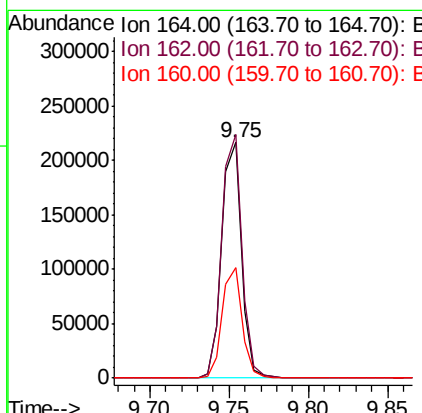
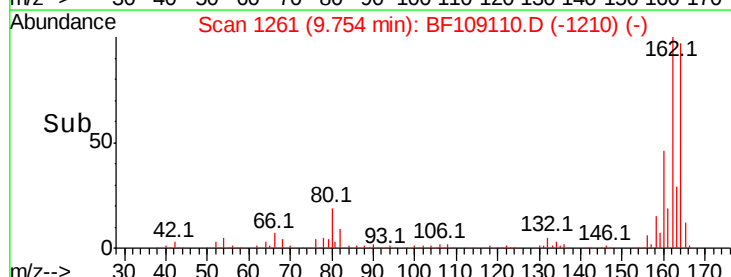
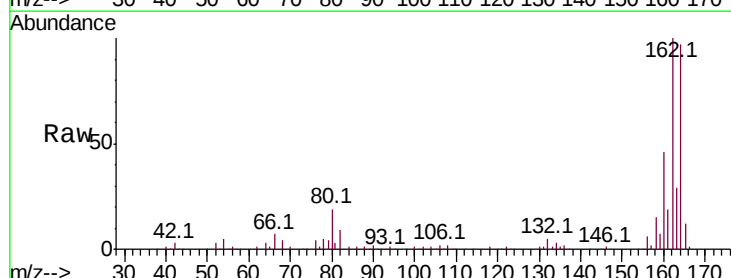
RT: 9.75 min Scan# 1261

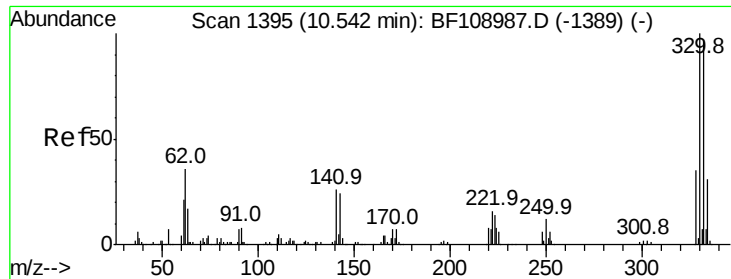
Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Tgt Ion	164	Resp	187959
Ion Ratio	Lower	Upper	
164	100		
162	103.5	86.1	129.1
160	47.1	38.3	57.5





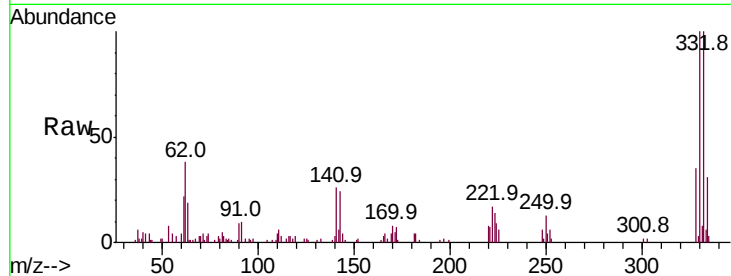
#41
 2,4,6-Tribromophenol
 Concen: 14.267 ng
 RT: 10.54 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Instrument :
 BNA_F
 ClientSampleId :
 291-11984

Tot Ion	Ratio	Resp	Lower	Upper
330	100	29103		
332	96.9	77.0	115.6	
141	34.1	29.9	44.9	

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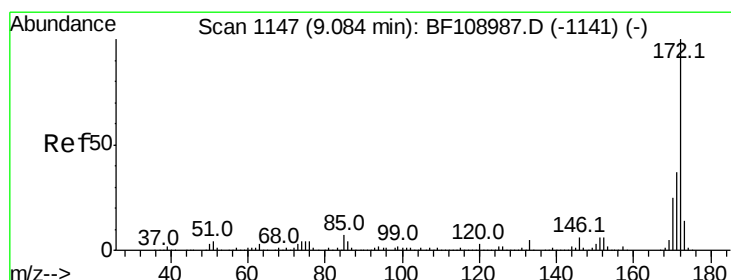
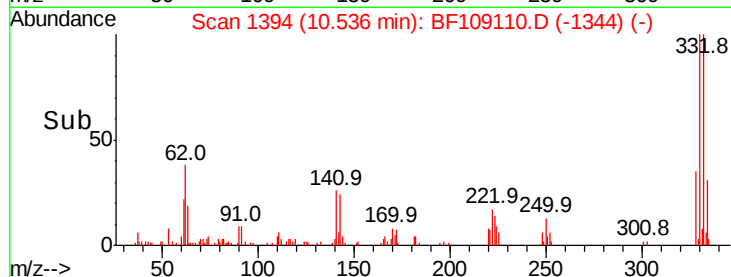
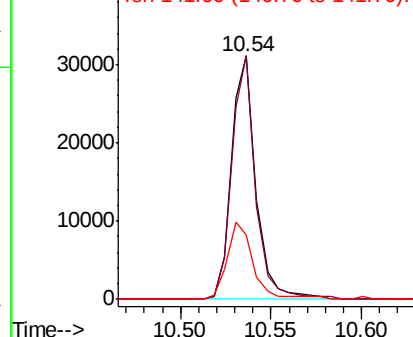


Abundance

Ion 329.80 (329.50 to 330.50): E

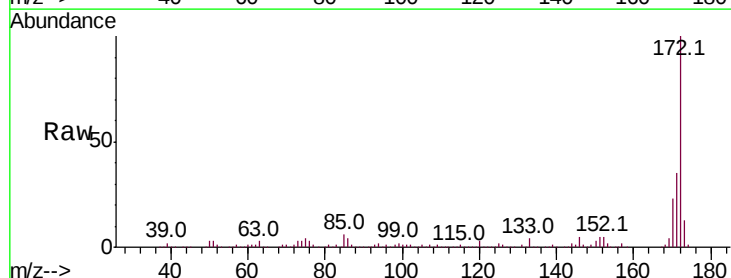
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 48.236 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109110.D
 Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	578677		
171	35.3	29.7	44.5	
170	23.3	19.6	29.4	

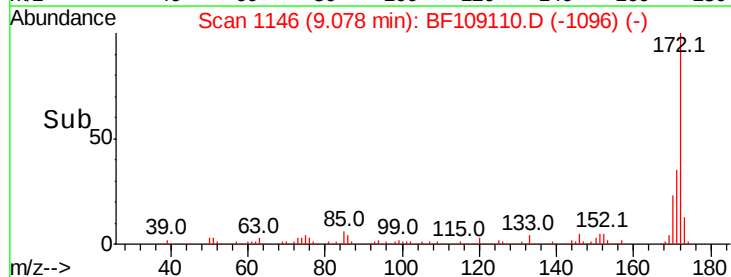
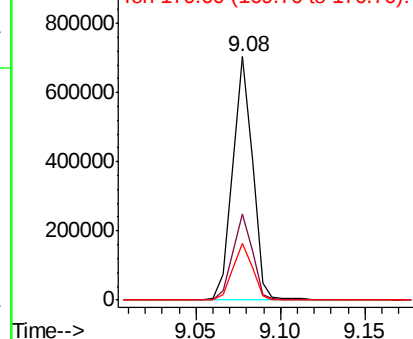


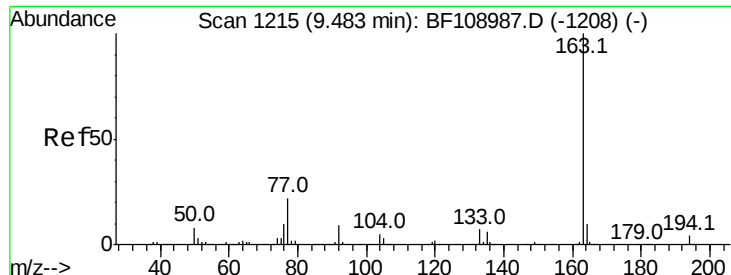
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





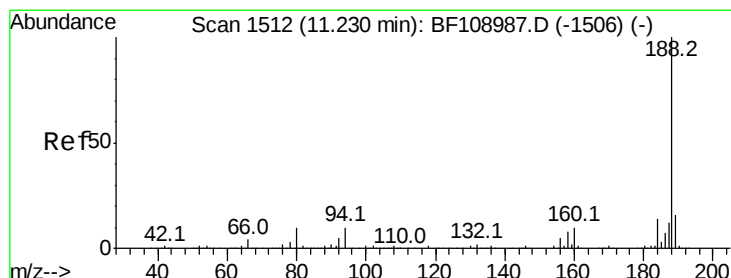
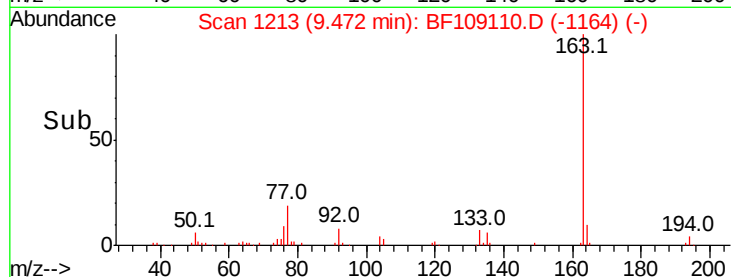
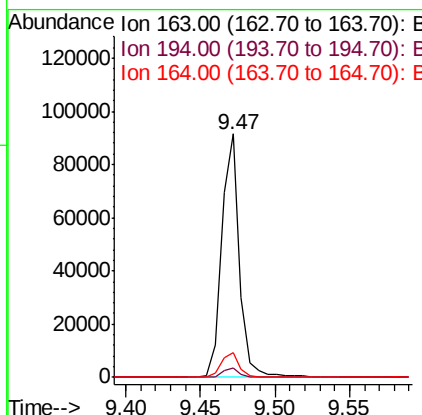
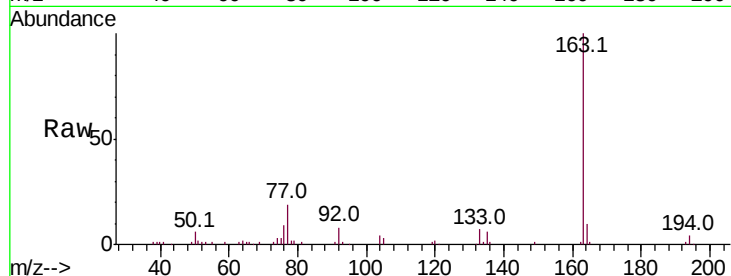
#49
Dimethylphthalate
Concen: 5.675 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampleId :
291-11984

Tot Ion:	163	Resp:	76234
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.0	8.2	12.2

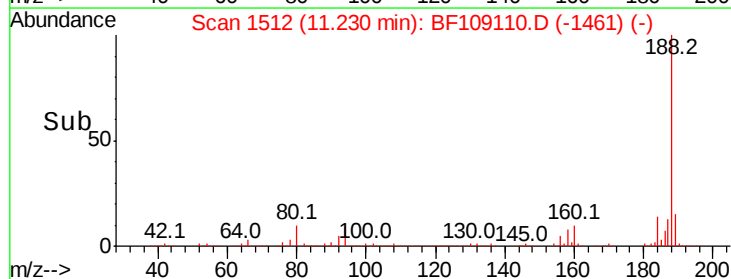
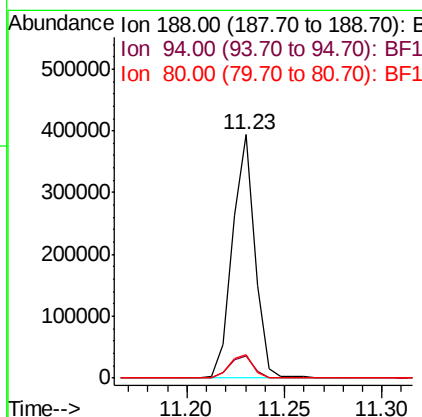
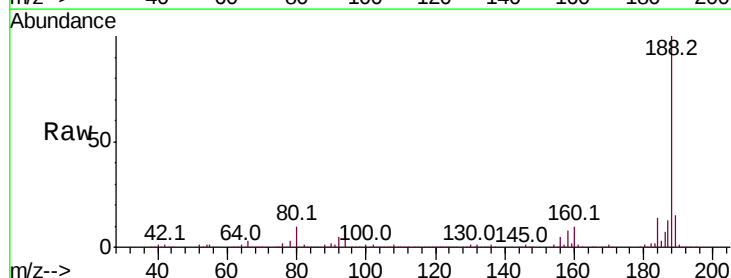
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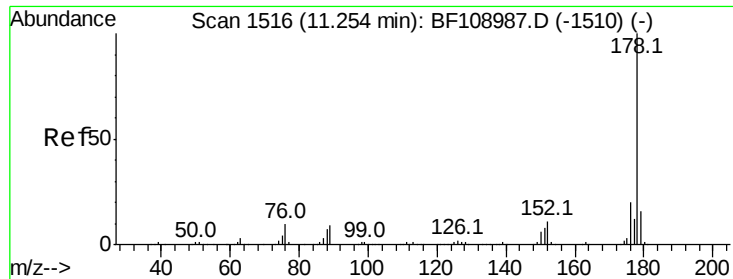
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion:	188	Resp:	315517
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8





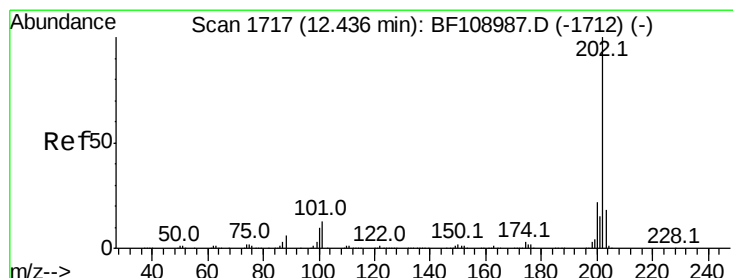
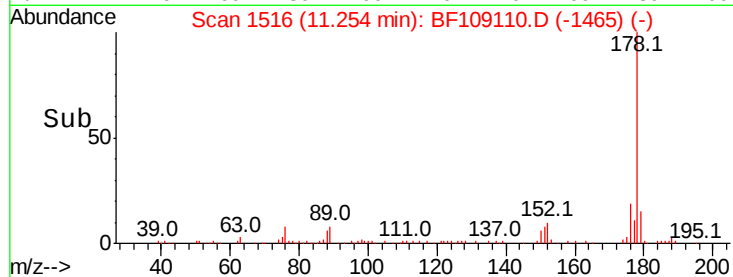
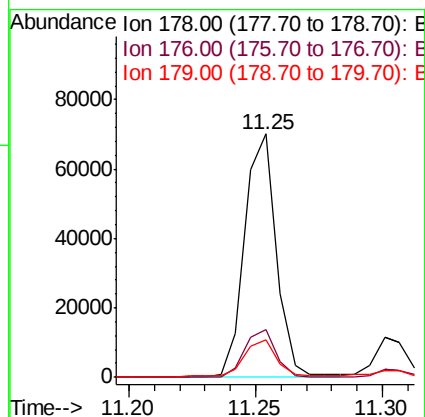
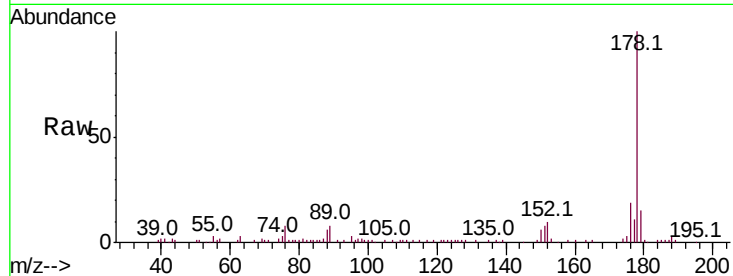
#70
Phenanthrene
Concen: 3.960 ng
RT: 11.25 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6

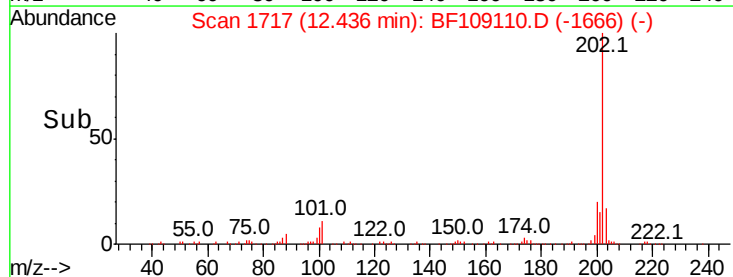
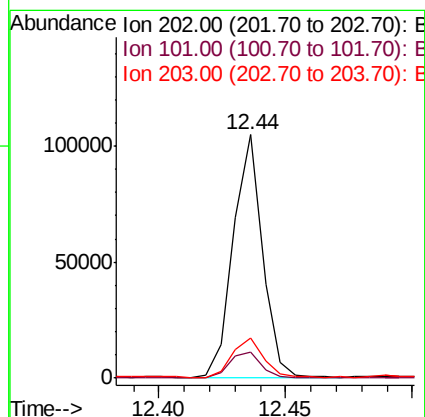
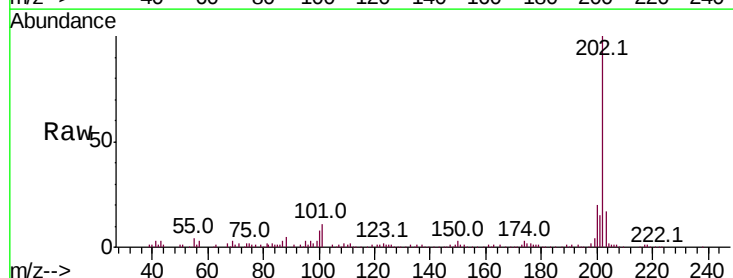
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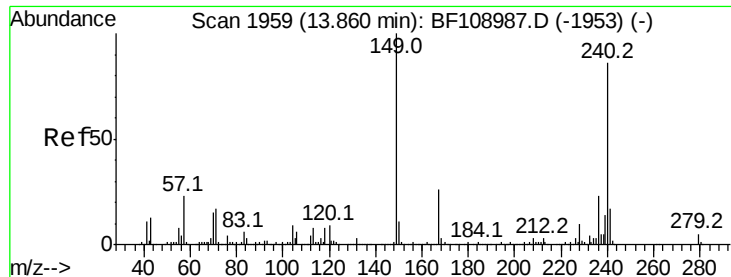
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#74
Fluoranthene
Concen: 5.195 ng
RT: 12.44 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	16.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

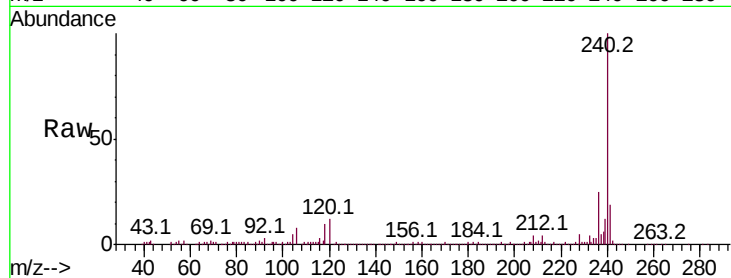
ClientSampleId :

291-11984

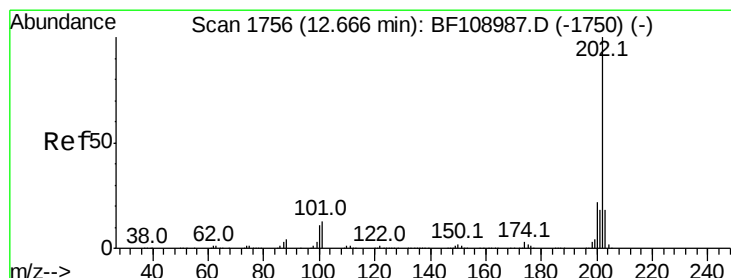
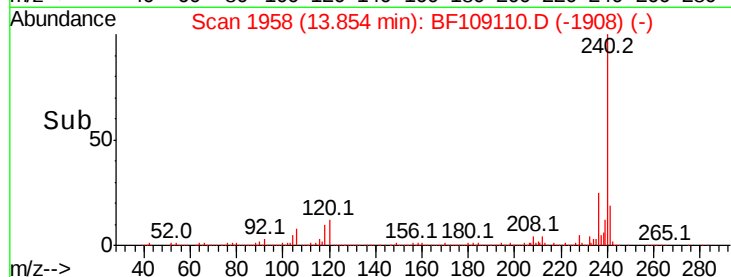
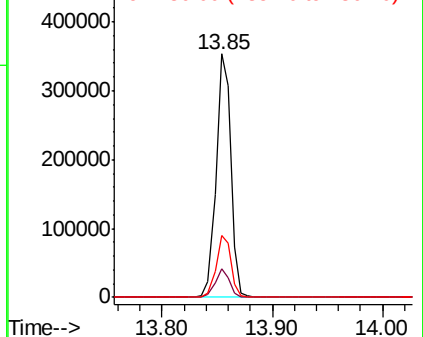
Tot Ion:	240	Resp:	326188
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	25.3	20.7	31.1

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.902 ng

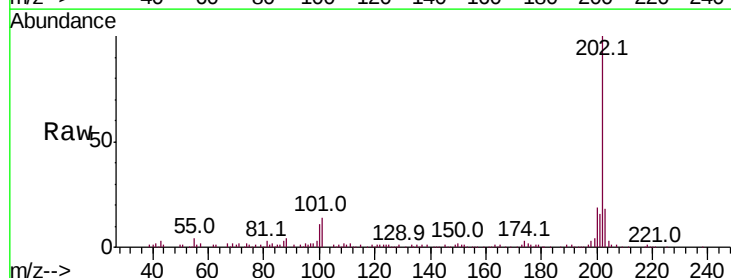
RT: 12.66 min Scan# 1755

Delta R.T. -0.01 min

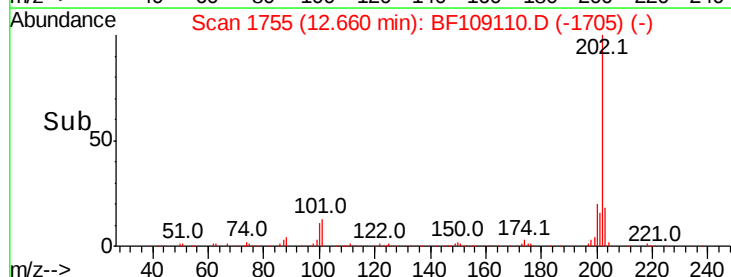
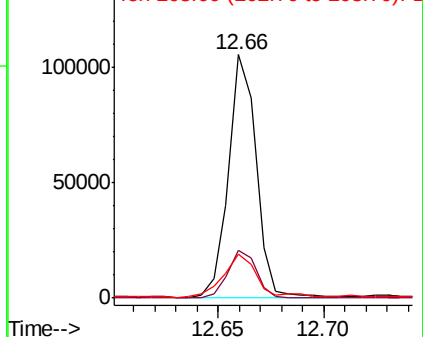
Lab File: BF109110.D

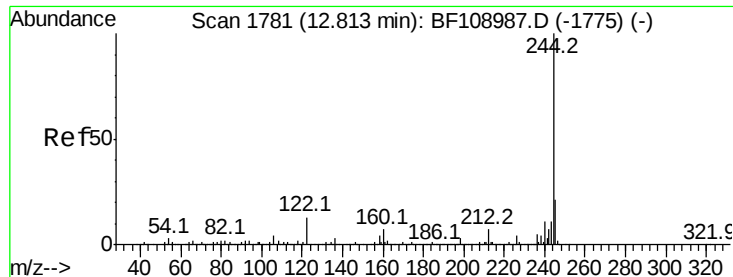
Acq: 18 Sep 2018 21:50

Tgt Ion:	202	Resp:	94546
Ion Ratio	Lower	Upper	
202	100		
200	19.4	17.4	26.2
203	18.1	14.3	21.5



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: 36.563 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

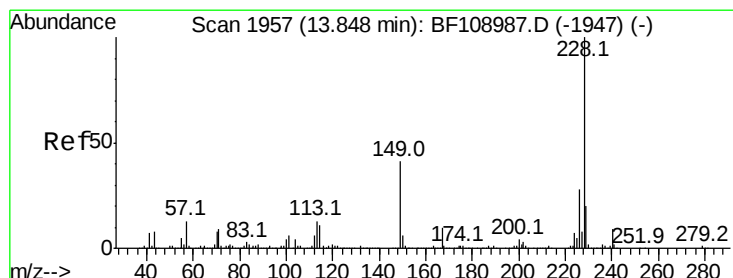
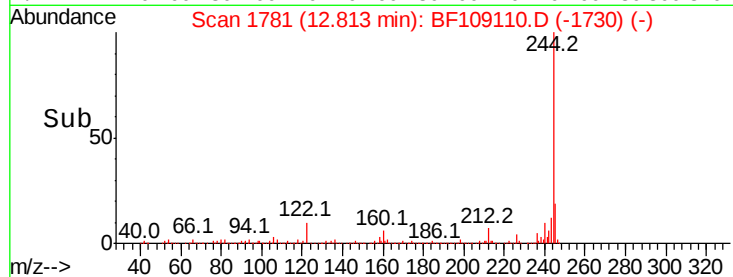
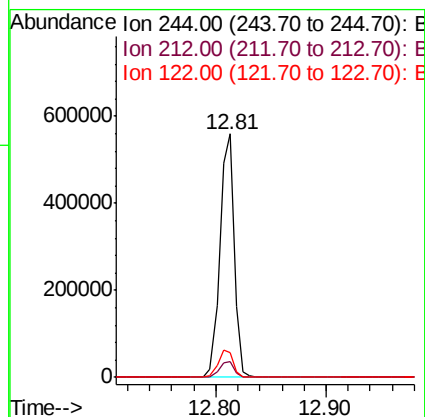
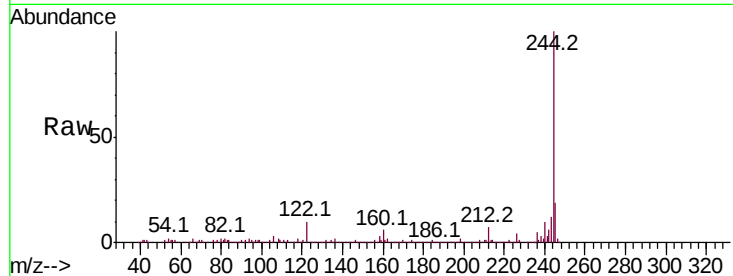
ClientSampleId :

291-11984

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.6	5.4	8.0	
122	10.1	11.0	16.4	

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 2.191 ng

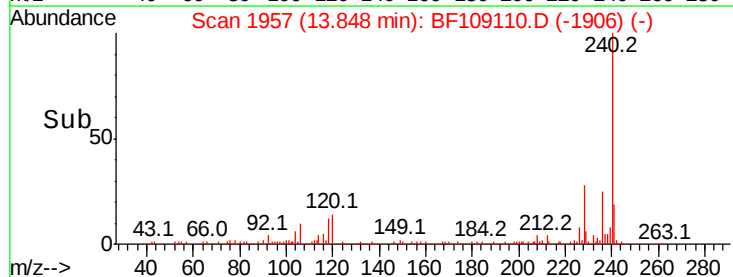
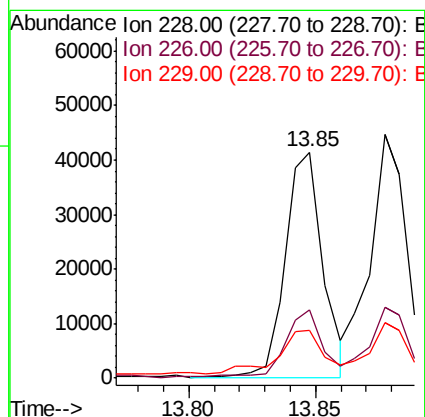
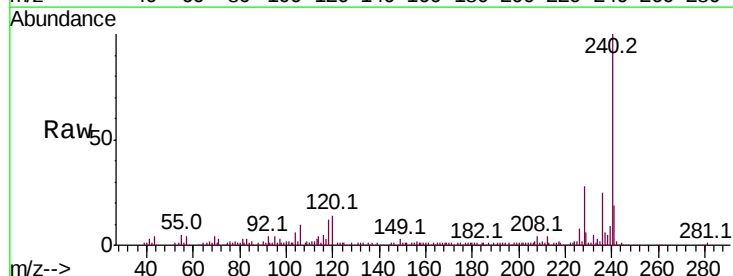
RT: 13.85 min Scan# 1957

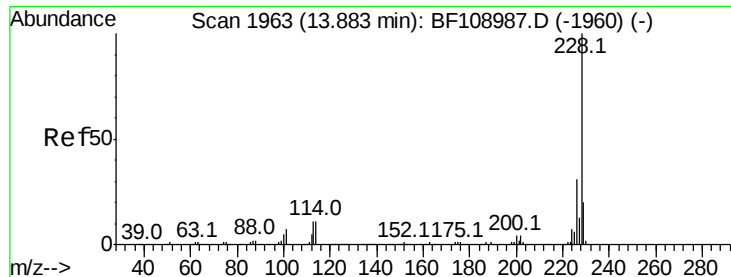
Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.9	22.6	33.8	
229	21.3	15.8	23.6	





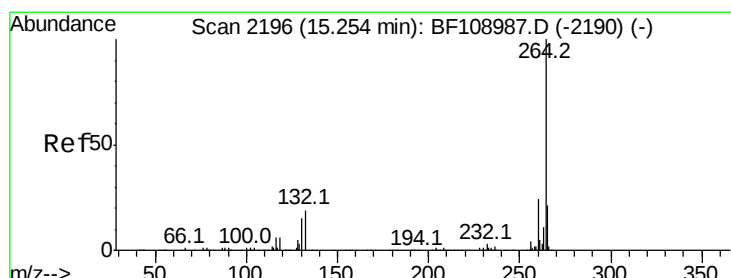
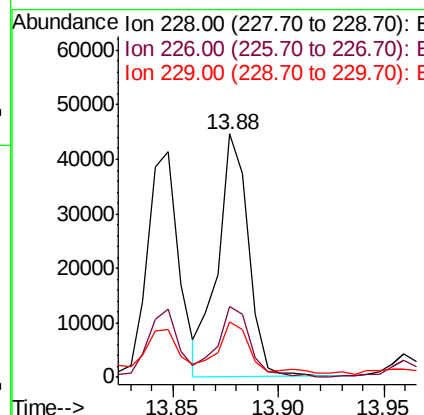
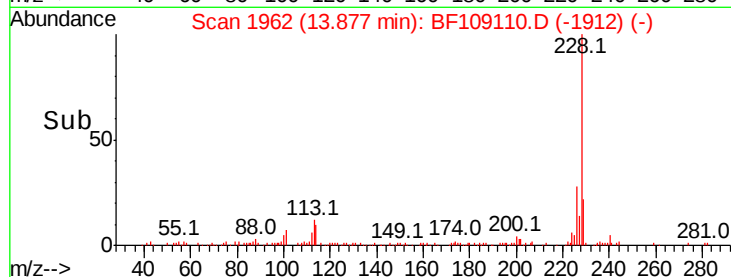
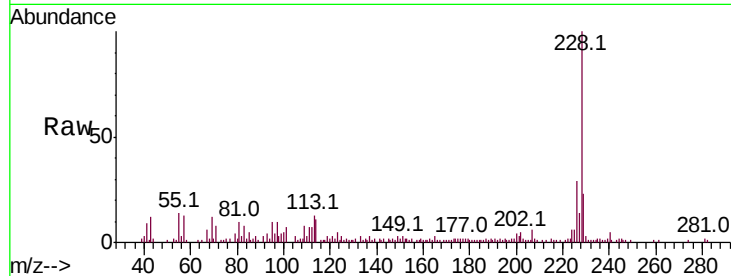
#82
Chrysene
Concen: 2.272 ng
RT: 13.88 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Instrument :
BNA_F
ClientSampleId :
291-11984

Tot Ion:228	Resp:	44883
Ion Ratio	Lower	Upper
228 100		
226 29.0	25.0	37.6
229 22.9	16.2	24.4

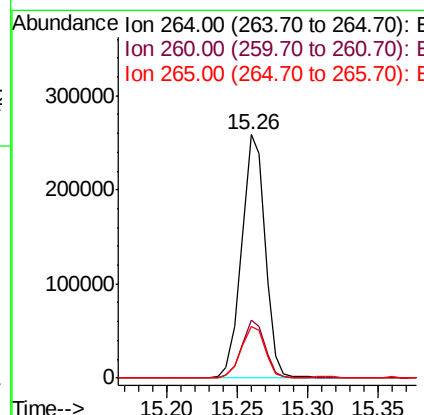
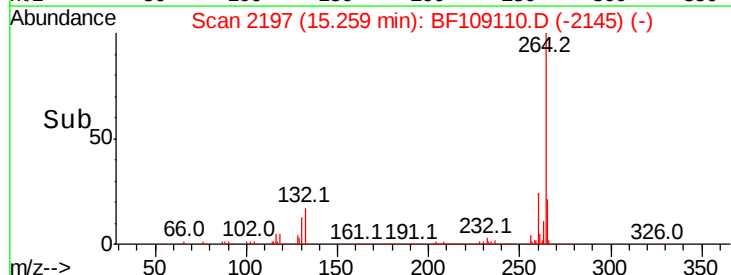
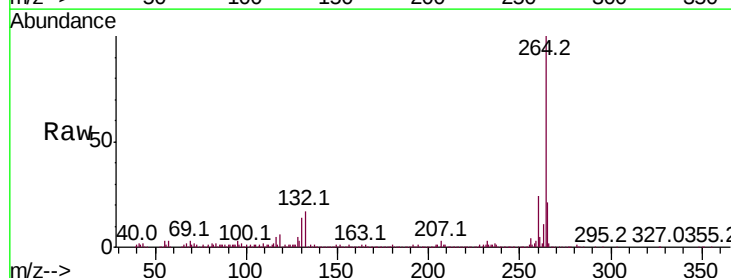
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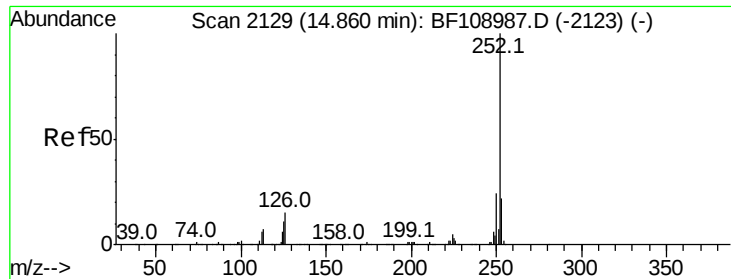
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109110.D
Acq: 18 Sep 2018 21:50

Tgt Ion:264	Resp:	300205
Ion Ratio	Lower	Upper
264 100		
260 23.7	19.2	28.8
265 21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.646 ng/mL

RT: 14.86 min Scan# 2129

Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Instrument :

BNA_F

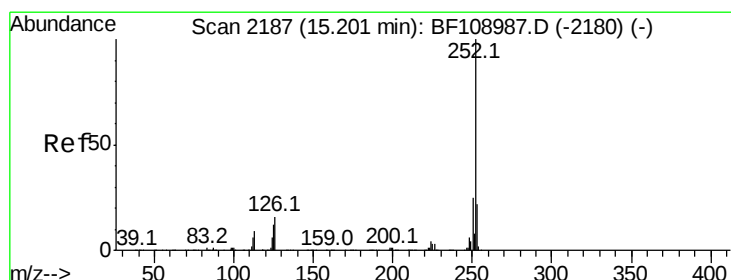
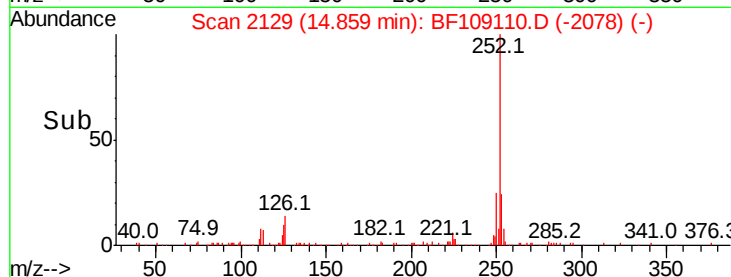
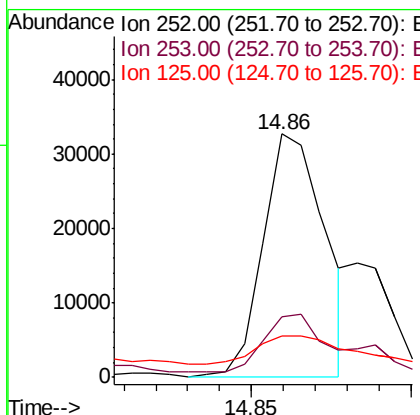
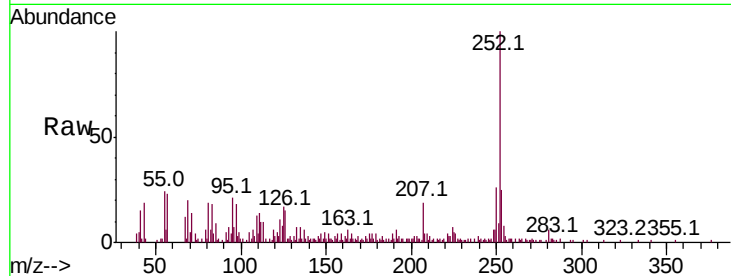
ClientSampleId :

291-11984

Tot Ion:	252	Resp:	43943
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.0	25.6
125	17.0	9.0	13.6#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 2.232 ng/mL

RT: 15.20 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BF109110.D

Acq: 18 Sep 2018 21:50

Tgt Ion:	252	Resp:	32918
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.1	25.7
125	15.7	9.8	14.6#

