

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
 Data File : BF109806.D
 Acq On : 12 Oct 2018 00:20
 Operator : JU/SJ
 Sample : J5314-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-19

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Quant Time: Oct 12 05:52:59 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	6.70	152	61173	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	245768	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	99512	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	197021	20.00	ng	0.00
75) Chrysene-d12	13.83	240	212850	20.00	ng	0.00
86) Perylene-d12	15.24	264	148261	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	137952	40.03	ng	-0.01
7) Phenol-d6	6.34	99	220817	47.96	ng	-0.02
23) Nitrobenzene-d5	7.26	82	146515	32.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	44427	40.97	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	259351	35.89	ng	-0.01
78) Terphenyl-d14	12.78	244	283397	25.77	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.44	163	20668	2.832	ng	Qvalue 100
70) Phenanthrene	11.22	178	81326	8.248	ng	99
71) Anthracene	11.28	178	32854	3.223	ng	95
73) Di-n-butylphthalate	11.76	149	31544	2.751	ng	97
74) Fluoranthene	12.41	202	169902	16.495	ng	98
77) Pyrene	12.63	202	164651	10.558	ng	98
79) Butylbenzylphthalate	13.26	149	212539	31.435	ng	99
80) Benzo(a)anthracene	13.82	228	86485	7.363	ng	97
82) Chrysene	13.86	228	79140	6.414	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	64940	7.873	ng	# 98
84) Di-n-octyl phthalate	14.44	149	47311	3.629	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.59	276	30473	3.451	ng	# 94
87) Benzo(b)fluoranthene	14.84	252	74346m	9.074	ng	
88) Benzo(k)fluoranthene	14.86	252	35840m	4.354	ng	
89) Benzo(a)pyrene	15.18	252	54995	7.397	ng	# 91
91) Benzo(g,h,i)perylene	16.99	276	43002	7.052	ng	97

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

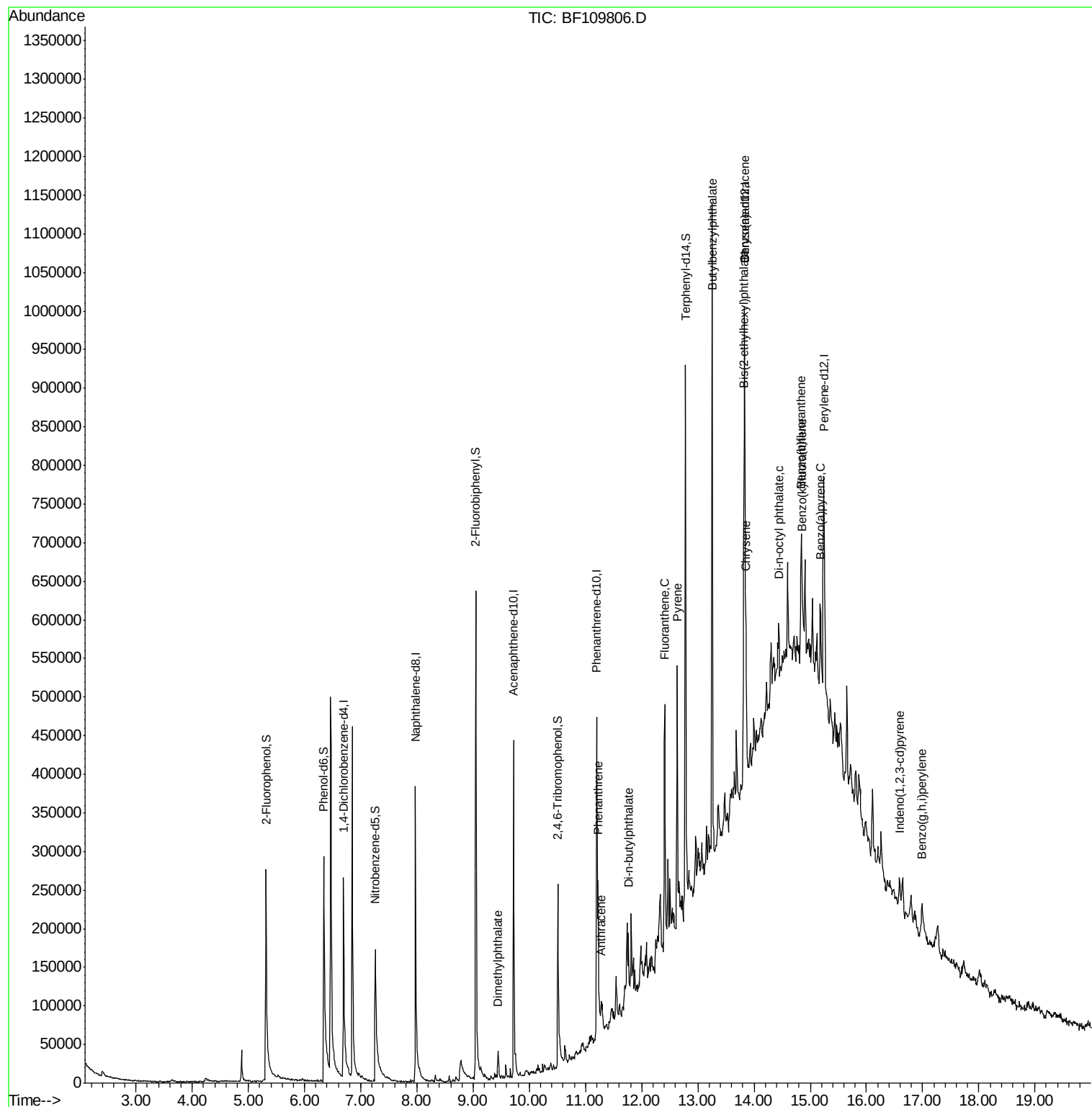
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\
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ALS Vial : 23 Sample Multiplier: 1

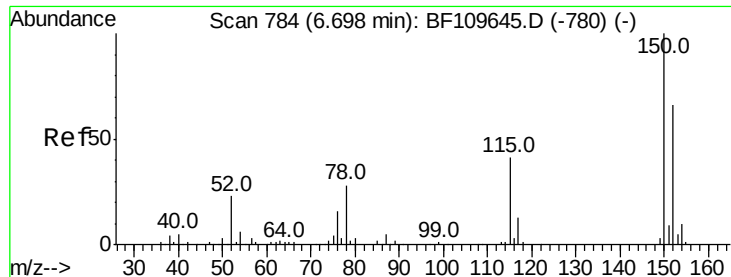
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#1

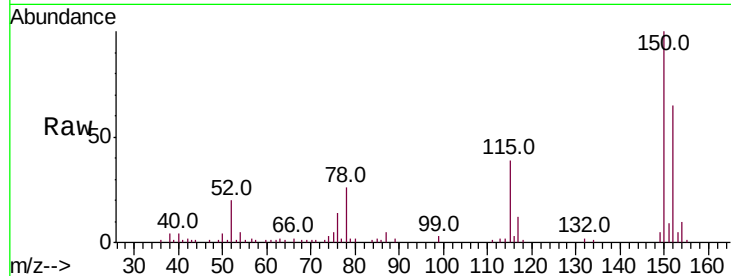
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.7	184.1
115	59.8	49.1	73.7

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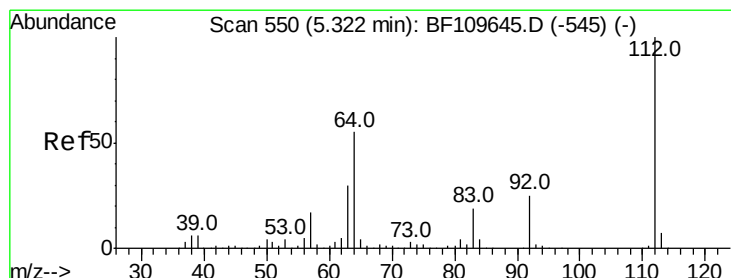
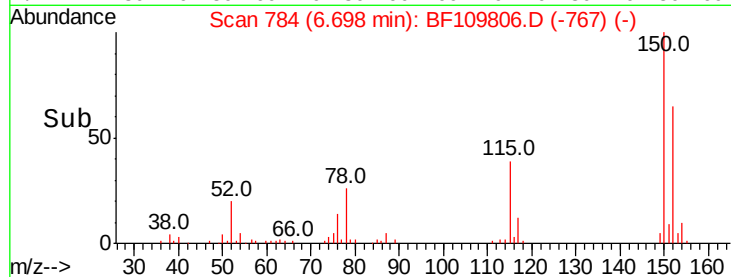
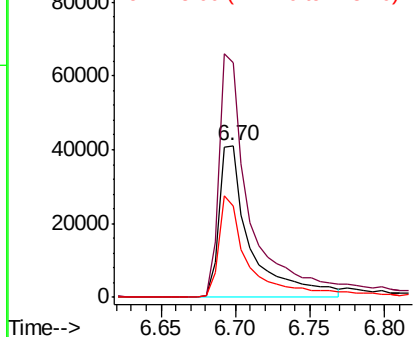


Abundance

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: 40.029 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

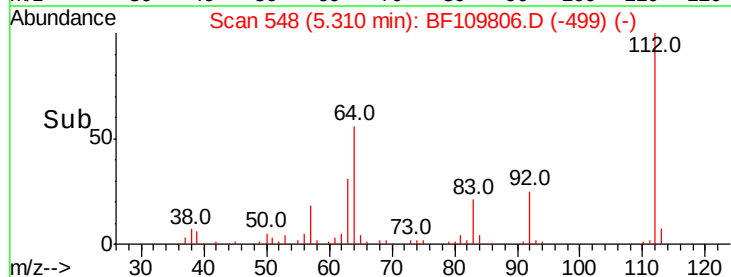
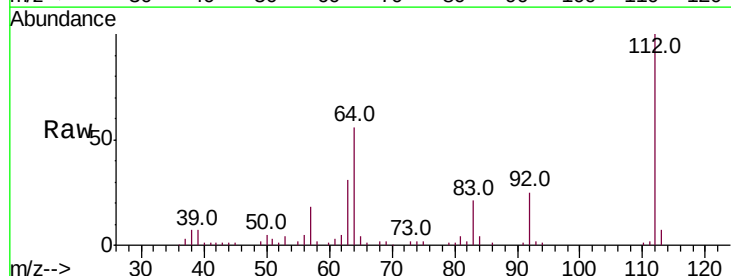
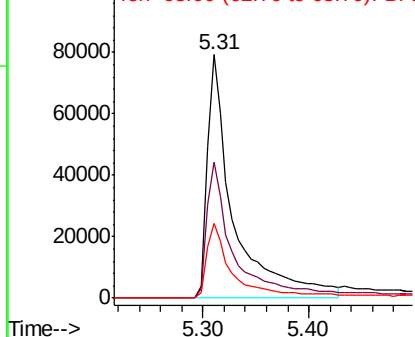
Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	44.1	66.1
63	30.6	23.7	35.5

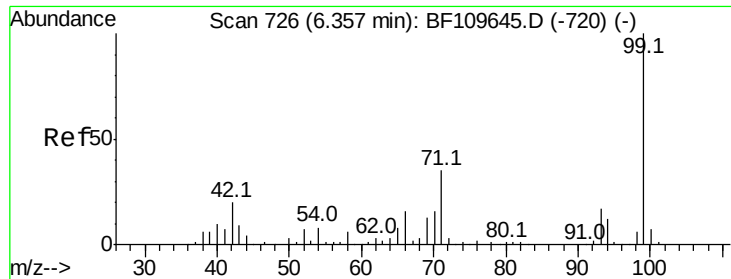
Abundance

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: 47.963 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Instrument :

BNA_F

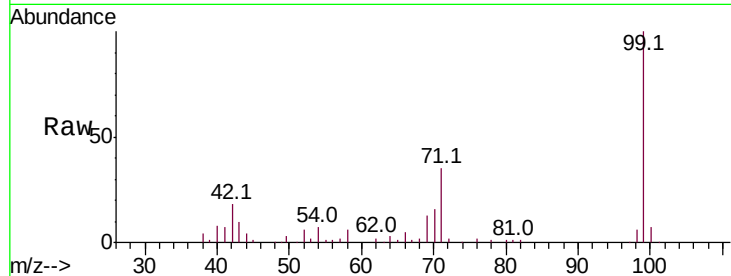
ClientSampleId :

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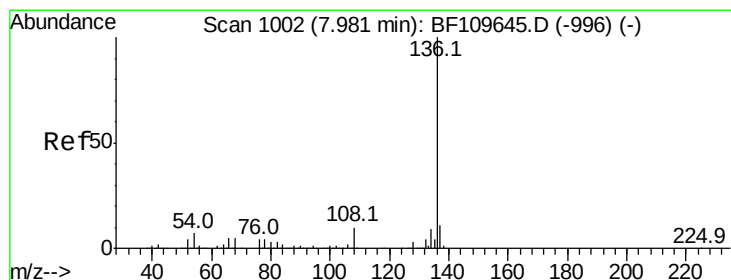
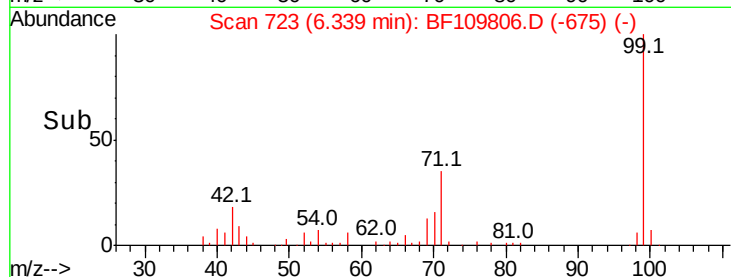
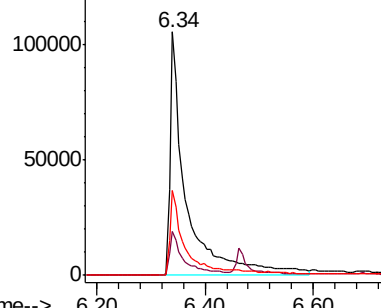
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		220817		
42	18.2	15.8	23.6		
71	34.9	28.0	42.0		

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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

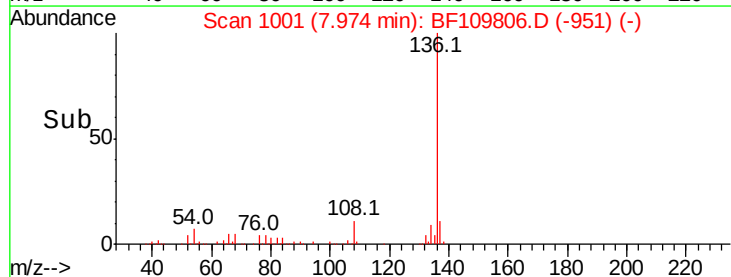
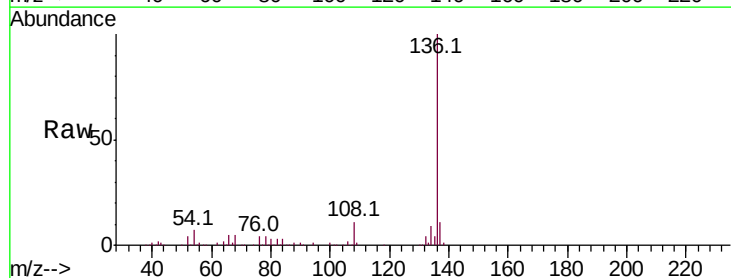
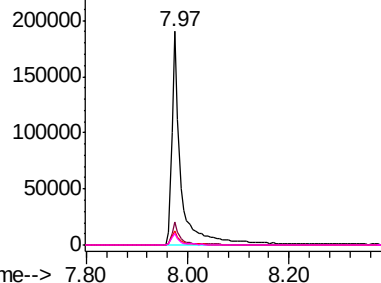
Delta R.T. -0.01 min

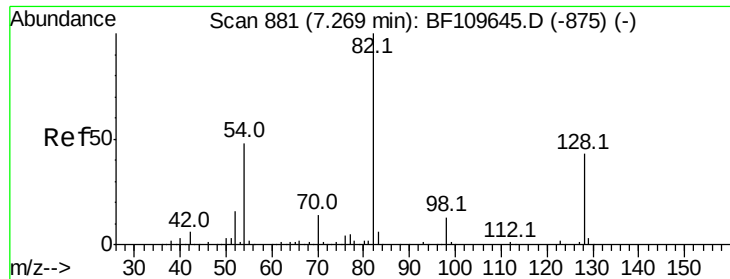
Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		245768		
137	10.7	8.8	13.2		
54	6.7	5.4	8.2		
68	5.2	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





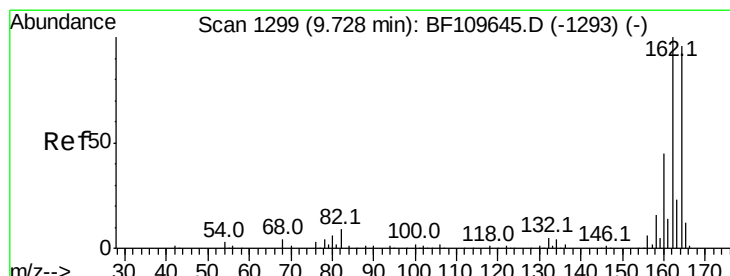
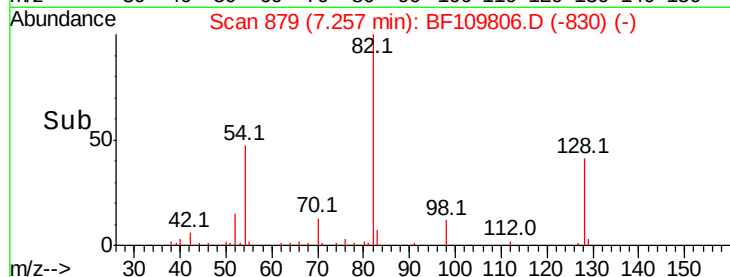
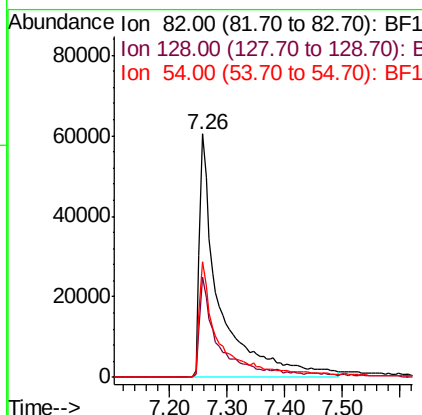
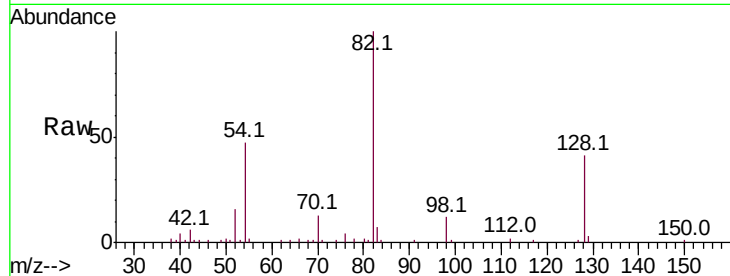
#23
 Nitrobenzene-d5
 Concen: 32.862 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF109806.D
 Acq: 12 Oct 2018 00:20

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.2	51.2
54	47.4	38.6	58.0

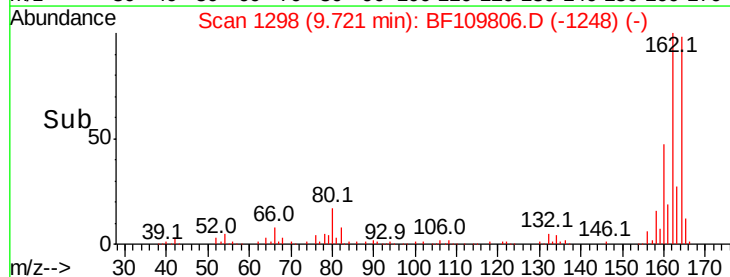
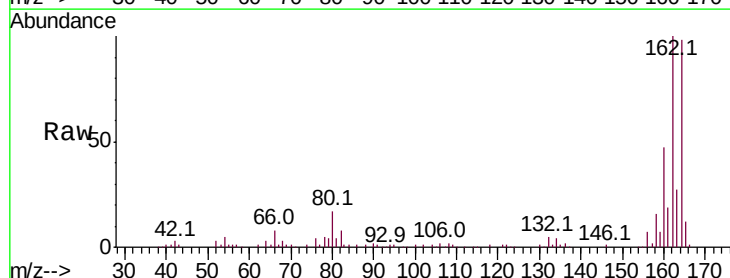
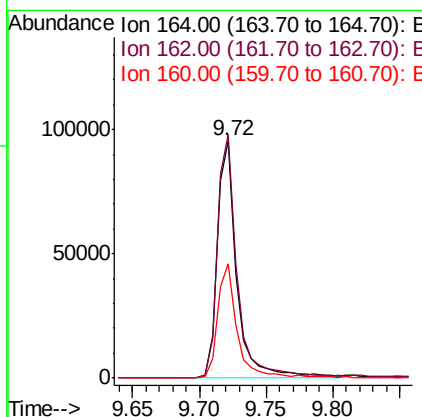
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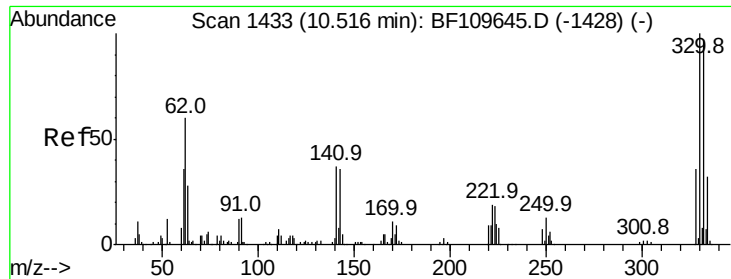
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF109806.D
 Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.0	124.6
160	48.2	37.0	55.6





#41

2,4,6-Tribromophenol

Concen: 40.973 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Instrument :

BNA_F

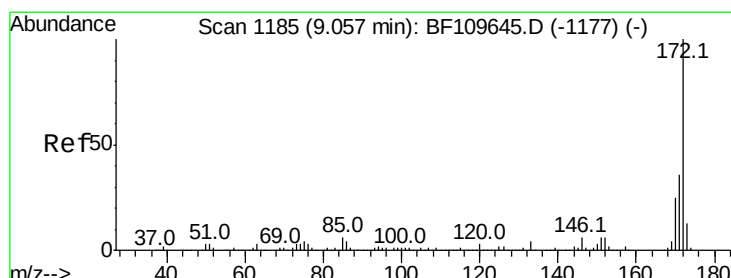
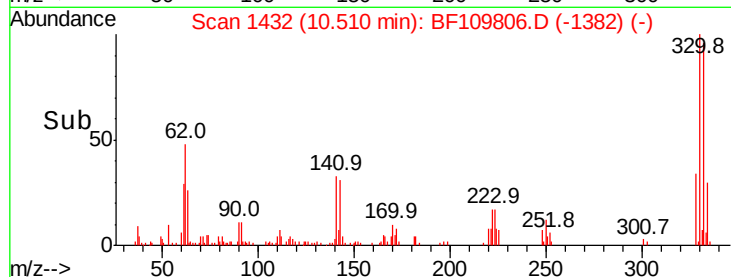
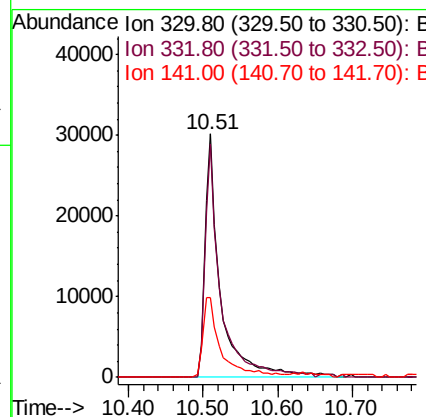
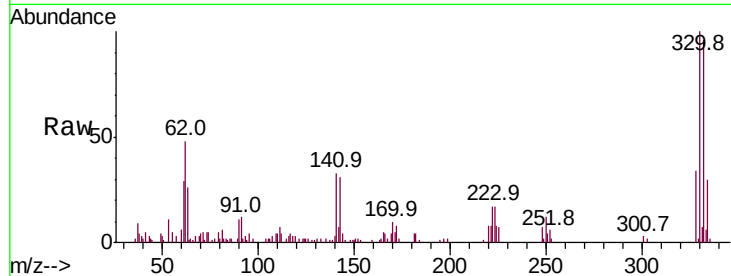
ClientSampleId :

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Tot Ion:	330	Resp:	44427
Ion Ratio	Lower	Upper	
330	100		
332	96.0	77.1	115.7
141	37.3	27.0	40.4

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#44

2-Fluorobiphenyl

Concen: 35.894 ng

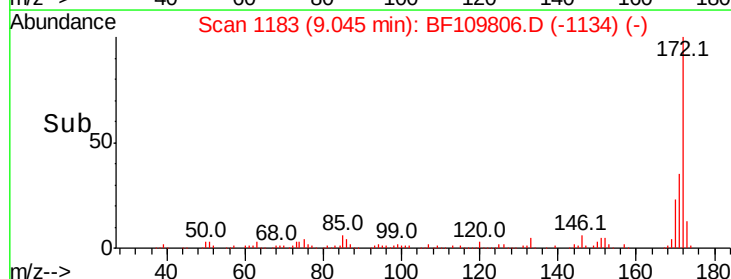
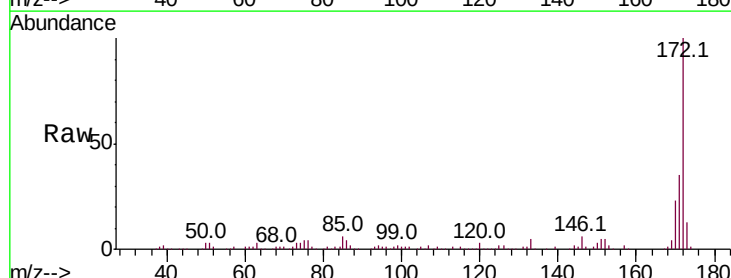
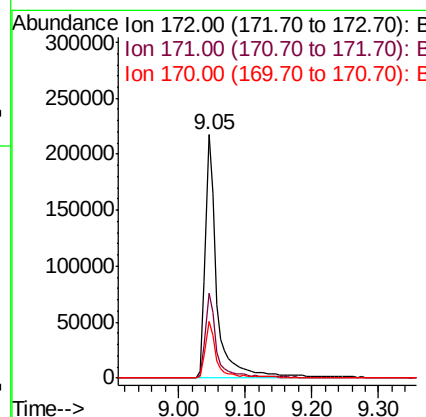
RT: 9.05 min Scan# 1183

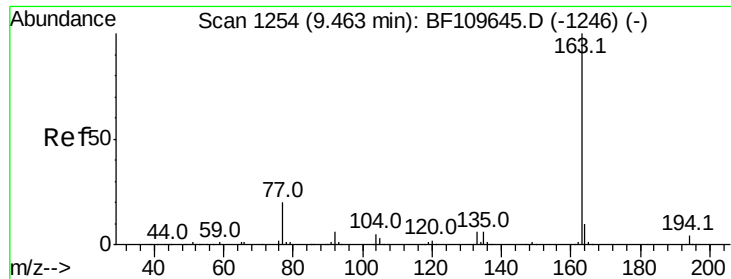
Delta R.T. -0.01 min

Lab File: BF109806.D

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Tgt Ion:	172	Resp:	259351
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.6	43.0
170	23.2	19.7	29.5





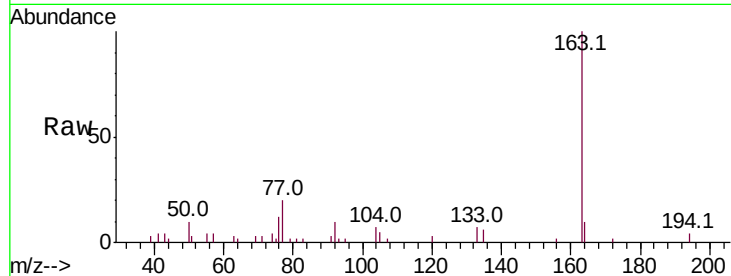
#49
Dimethylphthalate
Concen: 2.832 ng
RT: 9.44 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
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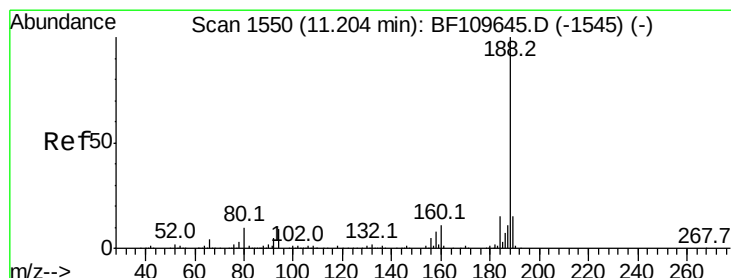
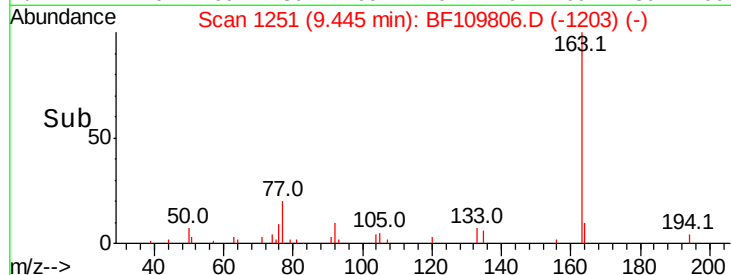
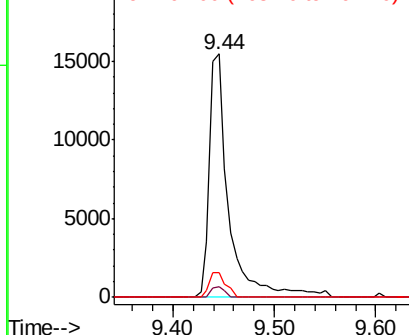
Tot Ion:	163	Resp:	20668
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.2	4.8
164	10.2	8.1	12.1

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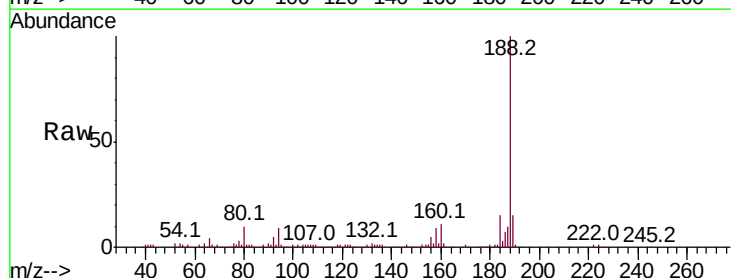


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

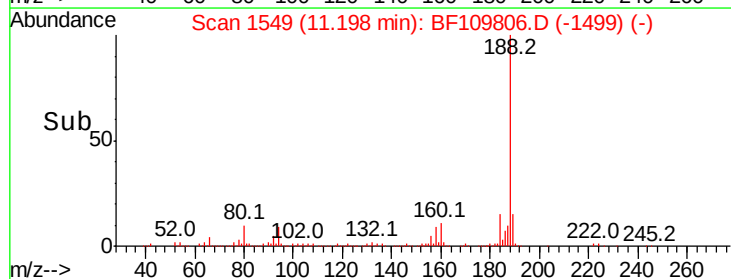
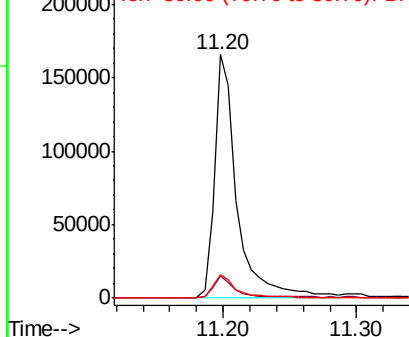


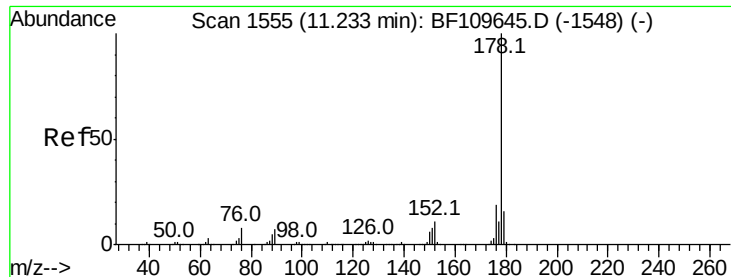
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion:	188	Resp:	197021
Ion Ratio	Lower	Upper	
188	100		
94	9.2	7.2	10.8
80	9.8	7.9	11.9



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





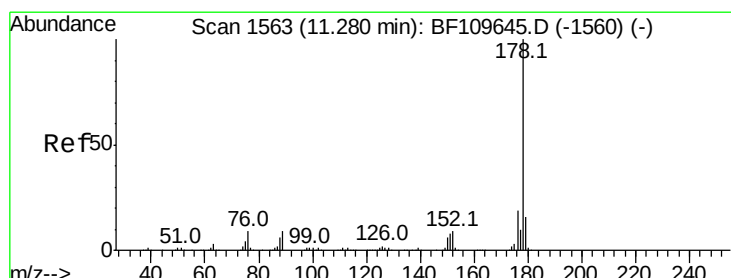
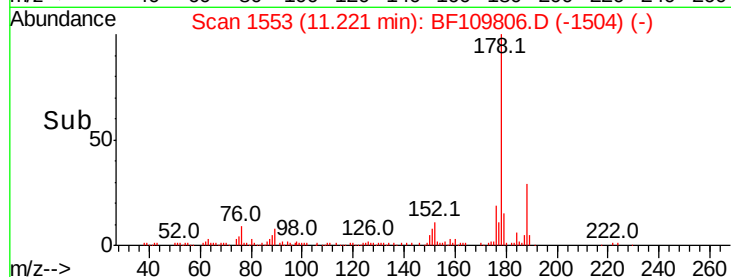
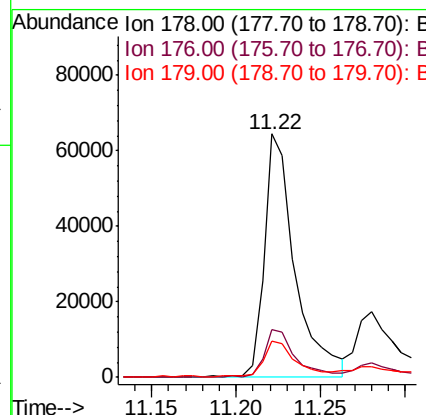
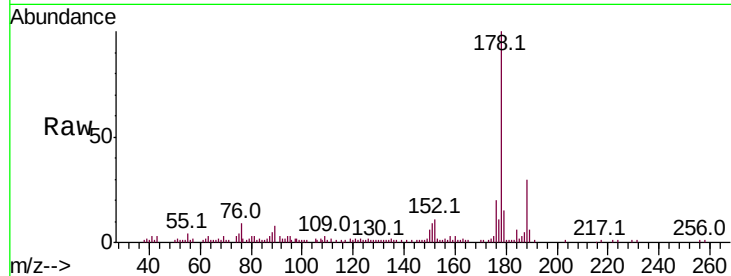
#70
Phenanthrene
Concen: 8.248 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	14.7	12.5	18.7

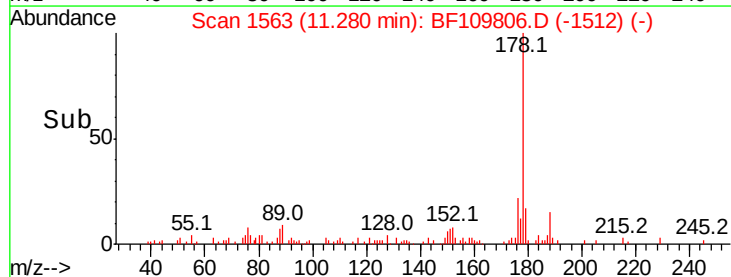
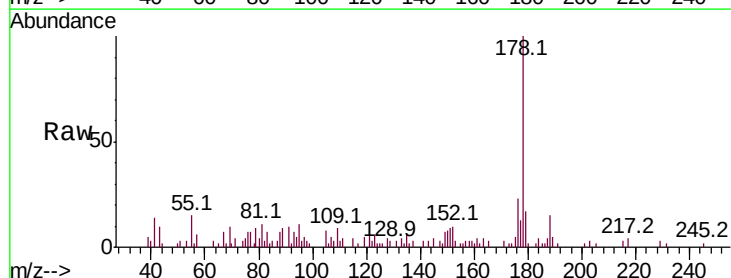
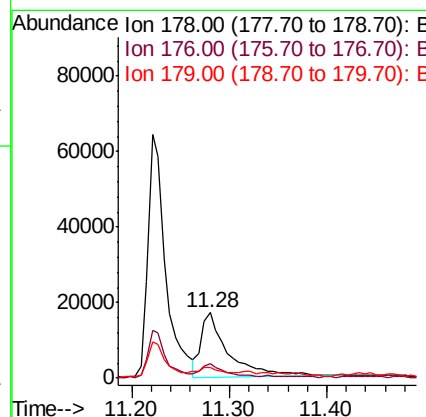
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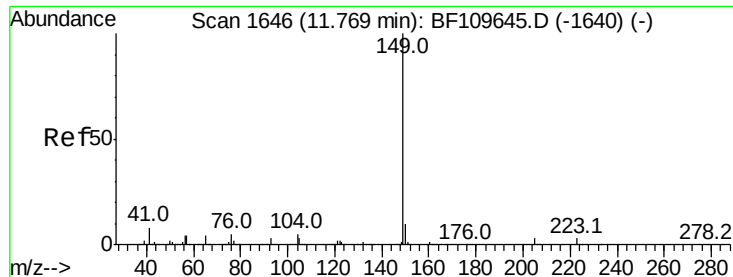
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#71
Anthracene
Concen: 3.223 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.1	15.4	23.2
179	16.5	12.6	18.8





#73

Di-n-butylphthalate

Concen: 2.751 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.01 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Instrument :

BNA_F

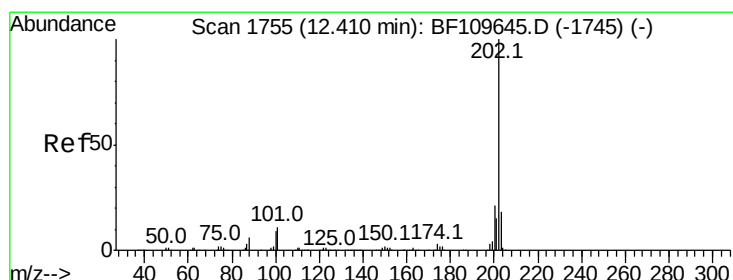
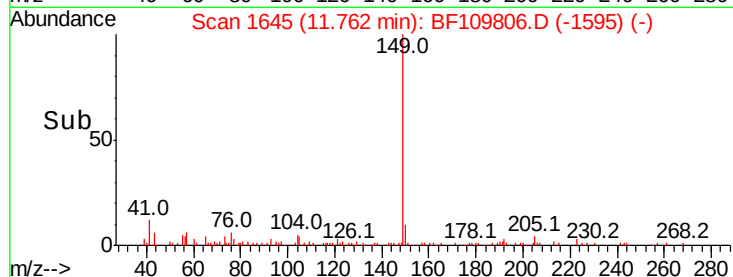
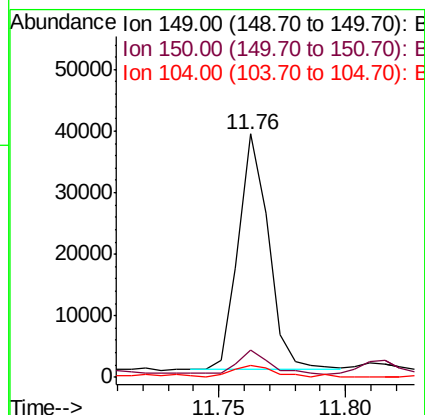
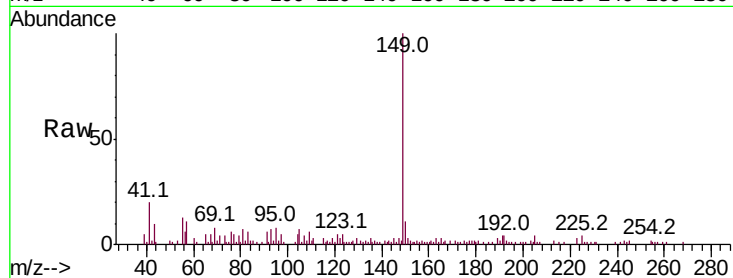
ClientSampleId :

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Tot Ion:	149	Resp:	31544
Ion Ratio	Lower	Upper	
149	100		
150	11.0	7.7	11.5
104	5.0	4.2	6.4

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#74

Fluoranthene

Concen: 16.495 ng

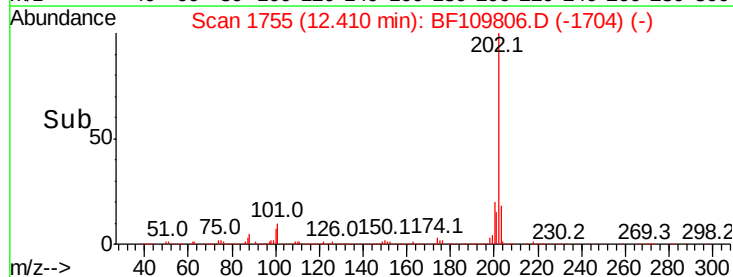
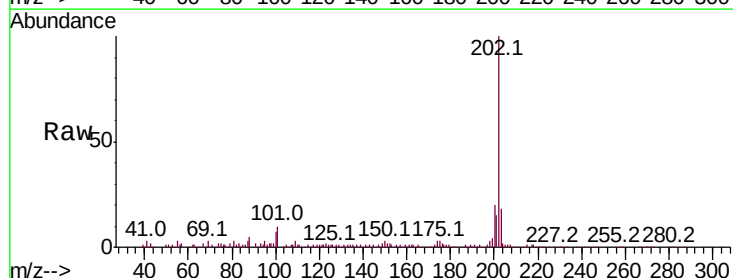
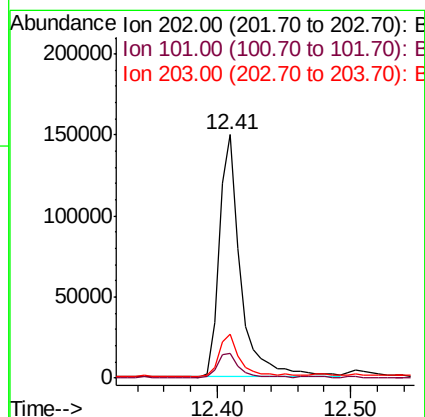
RT: 12.41 min Scan# 1755

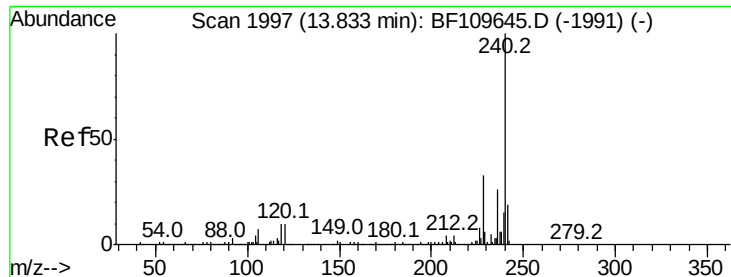
Delta R.T. -0.00 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Tgt Ion:	202	Resp:	169902
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	31.4
203	17.9	0.0	37.7





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Instrument :

BNA_F

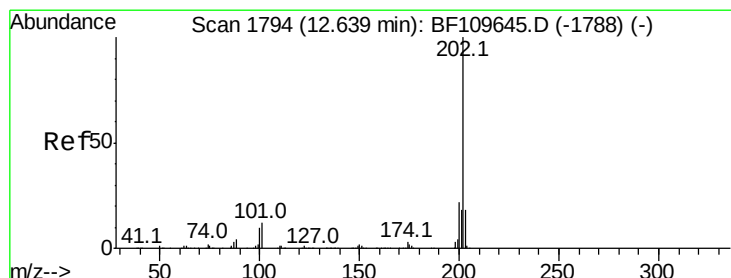
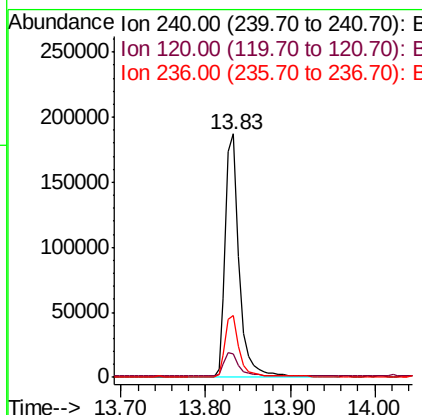
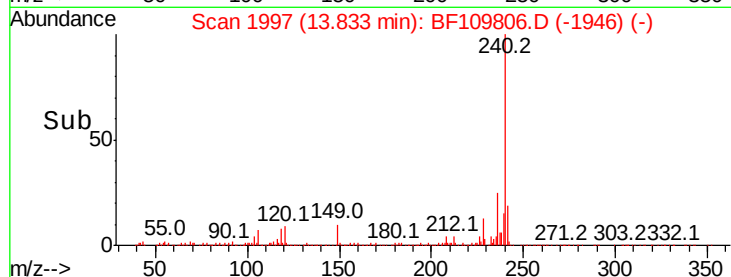
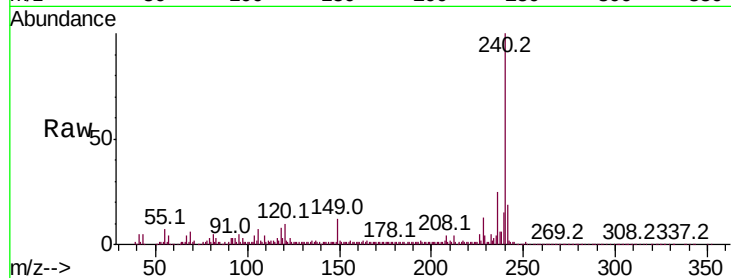
ClientSampleId :

DOCUMENTATION-19

Tot Ion:	240	Resp:	212850
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.3	12.5
236	25.3	21.2	31.8

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#77

Pyrene

Concen: 10.558 ng

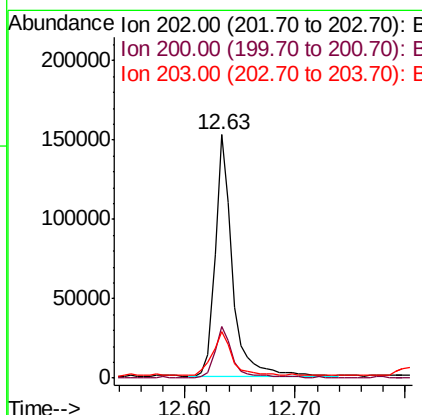
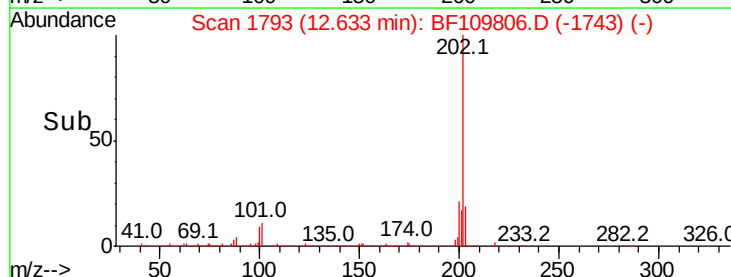
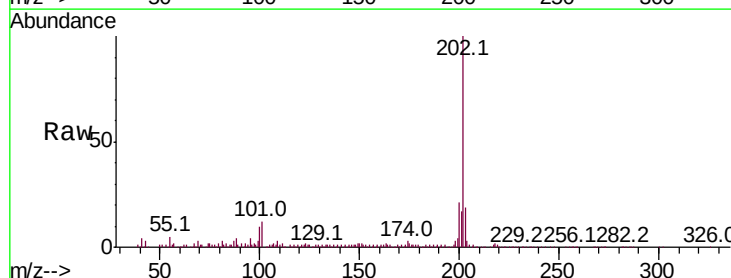
RT: 12.63 min Scan# 1793

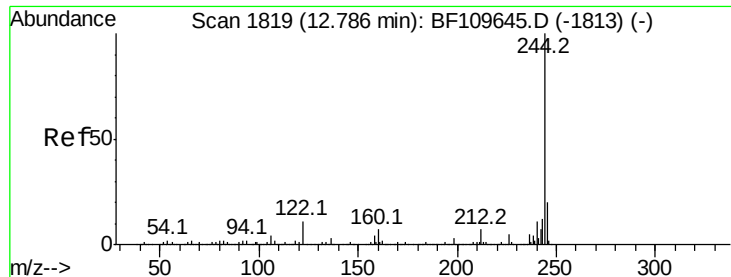
Delta R.T. -0.01 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Tgt Ion:	202	Resp:	164651
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.8	26.6
203	19.3	14.2	21.4





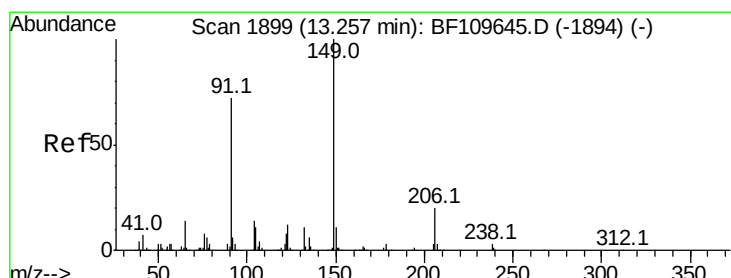
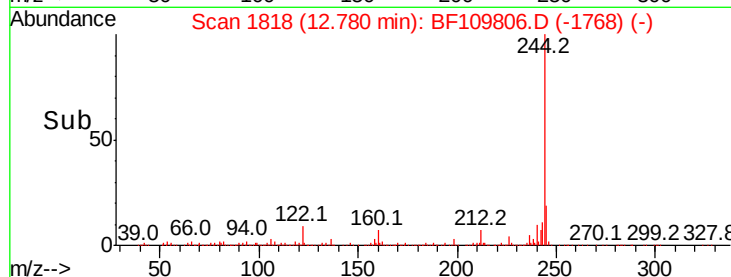
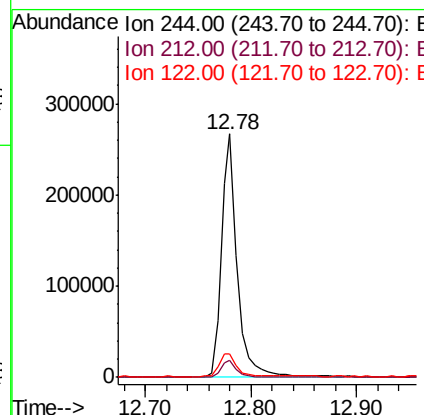
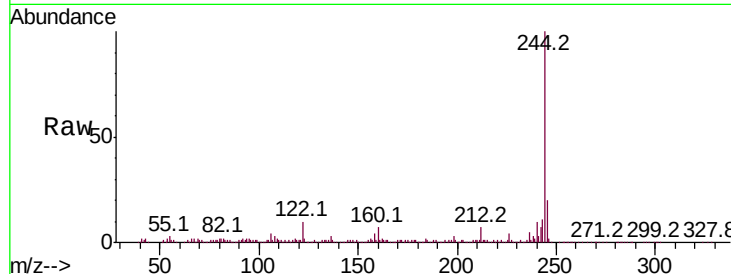
#78
 Terphenyl-d14
 Concen: 25.775 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF109806.D
 Acq: 12 Oct 2018 00:20

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-19

Tot Ion	Ratio	Resp	Lower	Upper
244	100	283397		
212	6.8		5.8	8.8
122	9.6		8.7	13.1

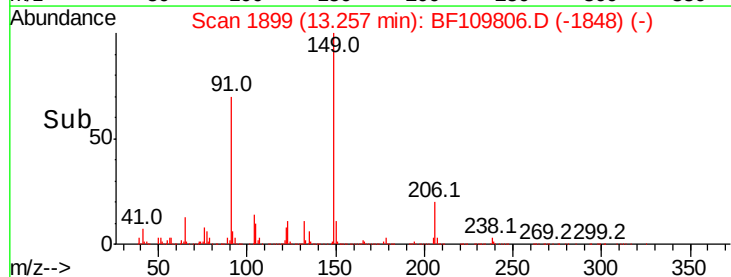
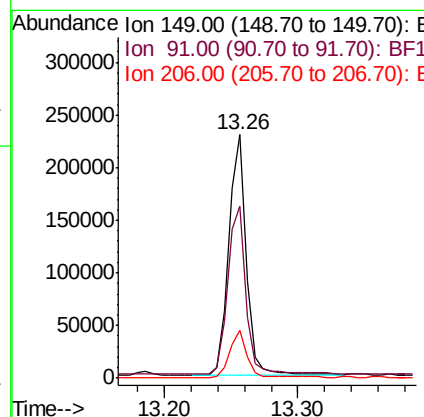
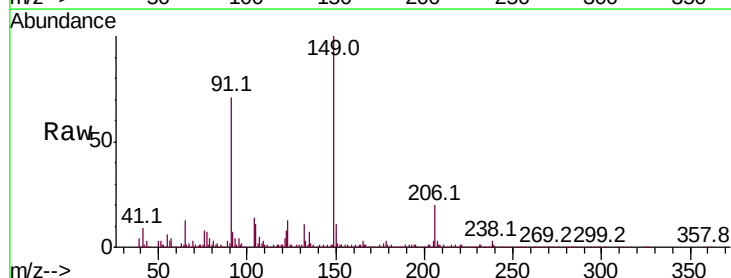
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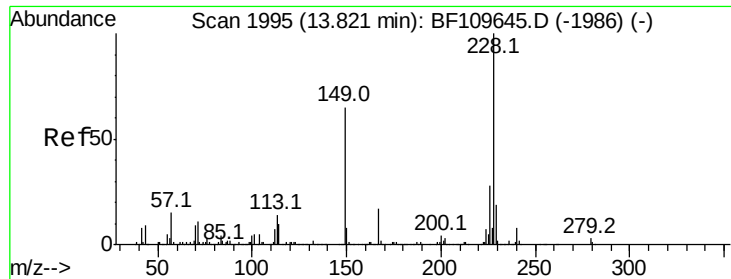
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#79
 Butylbenzylphthalate
 Concen: 31.435 ng
 RT: 13.26 min Scan# 1899
 Delta R.T. -0.00 min
 Lab File: BF109806.D
 Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	212539		
91	70.5		57.2	85.8
206	19.8		15.7	23.5





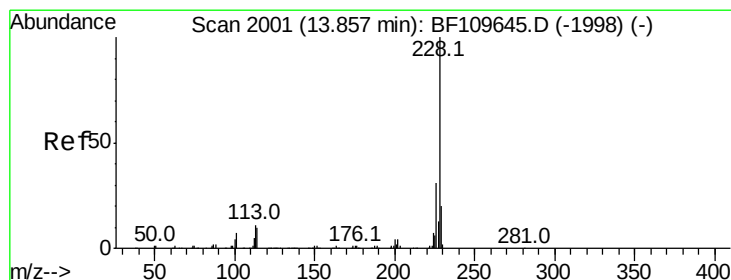
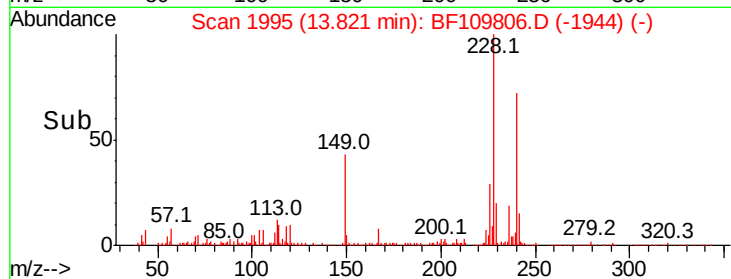
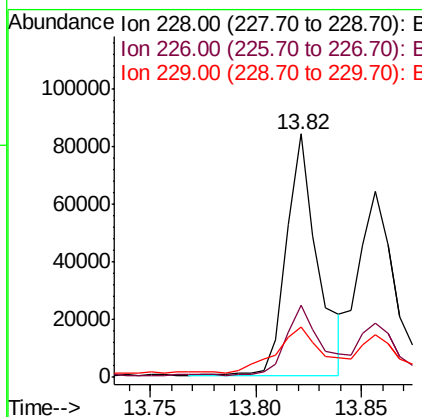
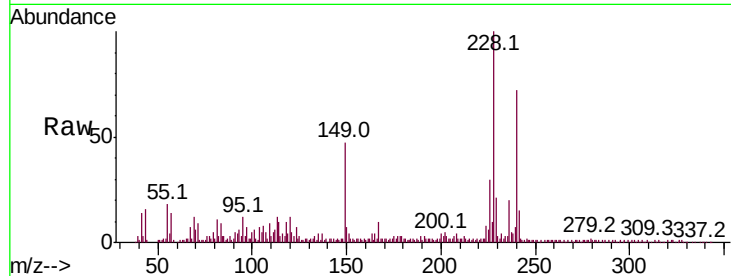
#80
Benzo(a)anthracene
Concen: 7.363 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	20.8	15.6	23.4

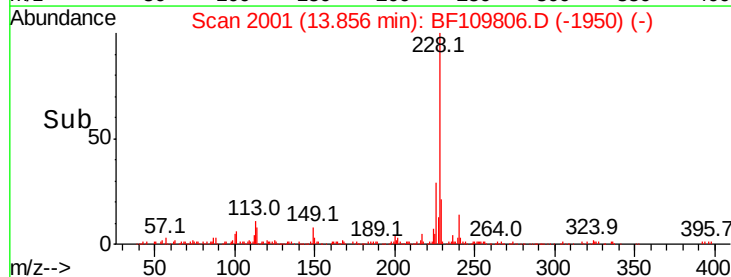
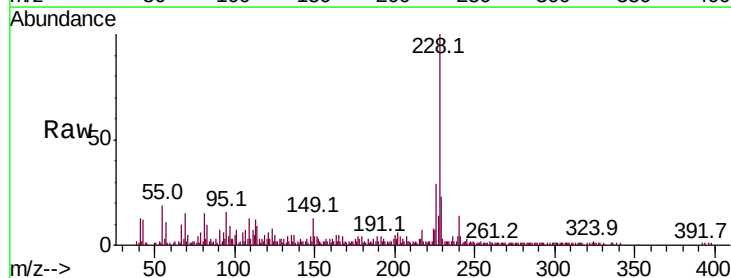
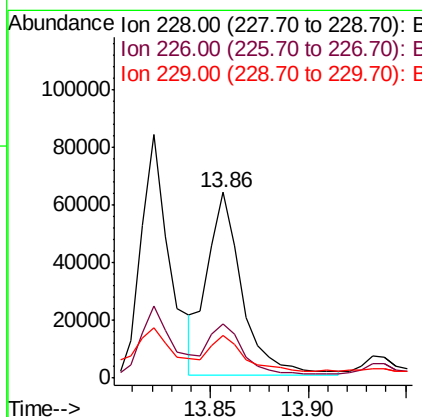
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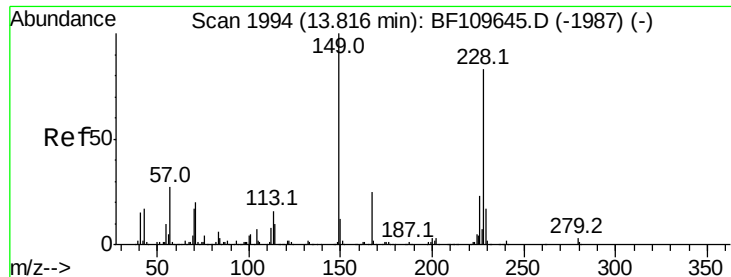
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#82
Chrysene
Concen: 6.414 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.00 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	22.7	15.9	23.9





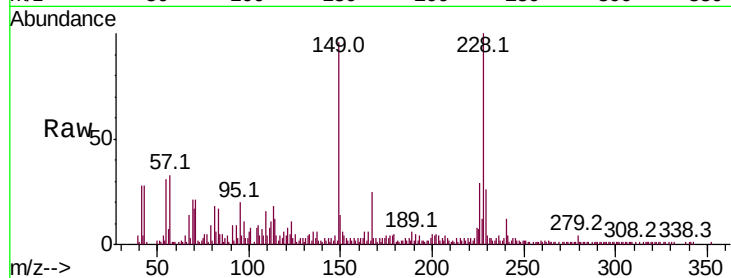
#83
Bis(2-ethylhexyl)phthalate
Concen: 7.873 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-19

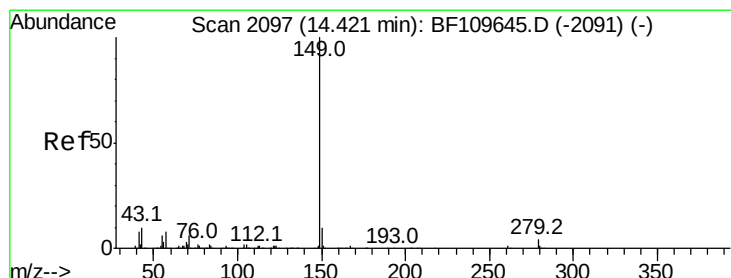
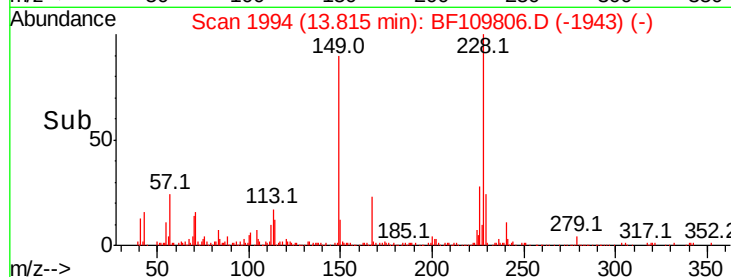
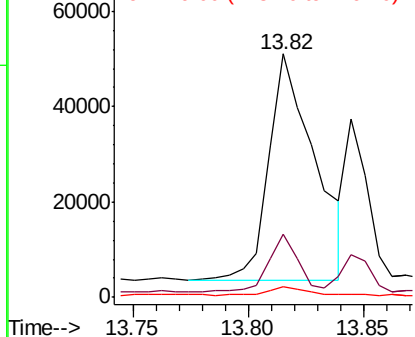
Tot Ion	Ratio	Lower	Upper
149	100		
167	25.9	19.8	29.8
279	4.4	2.7	4.1#

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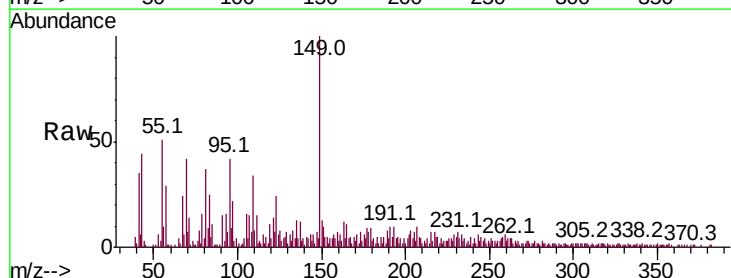


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

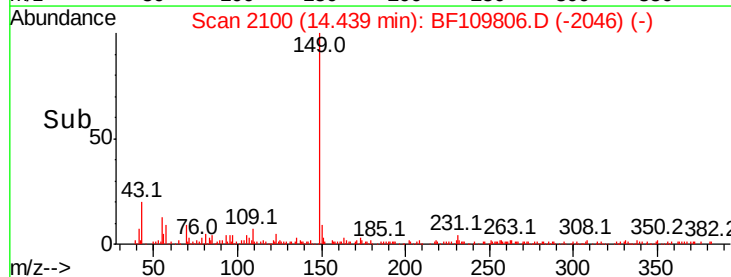
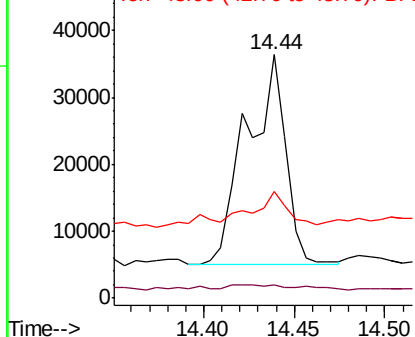


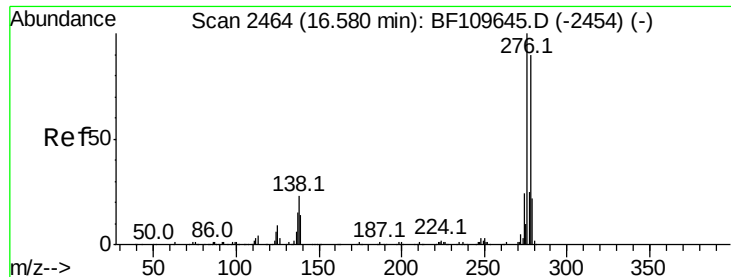
#84
Di-n-octyl phthalate
Concen: 3.629 ng
RT: 14.44 min Scan# 2100
Delta R.T. 0.02 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.1	1.7#
43	13.1	7.8	11.8#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1





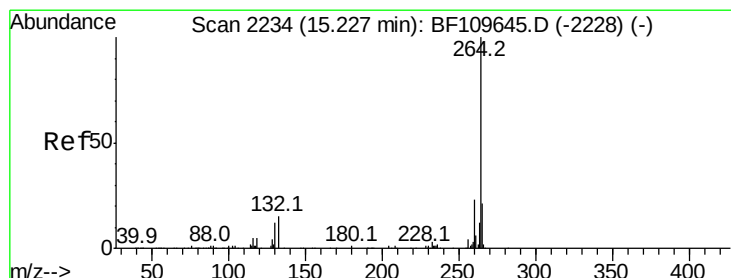
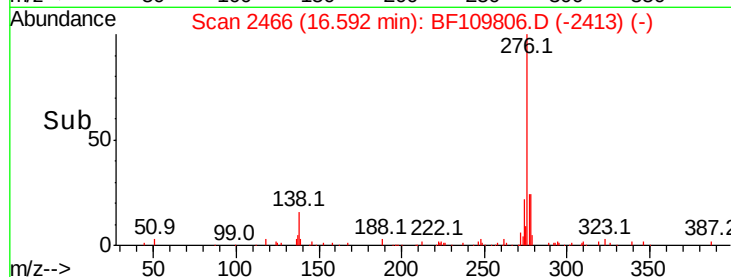
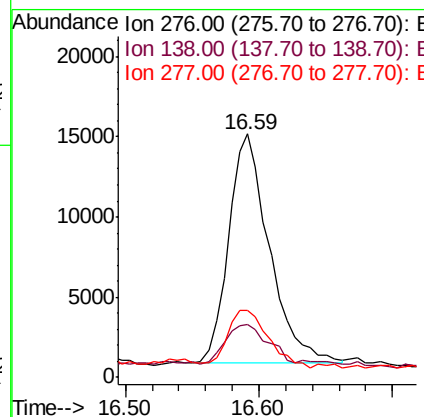
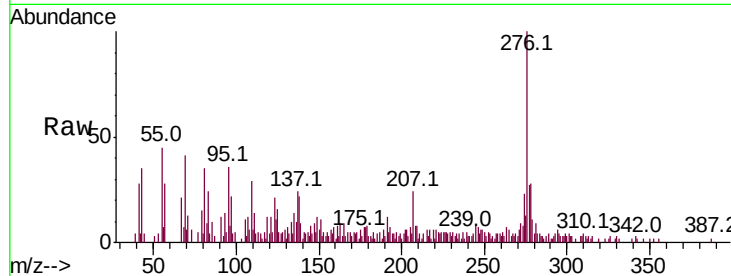
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.451 ng
RT: 16.59 min Scan# 2466
Delta R.T. 0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-19

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.7	18.5	27.7#
277	25.8	20.0	30.0

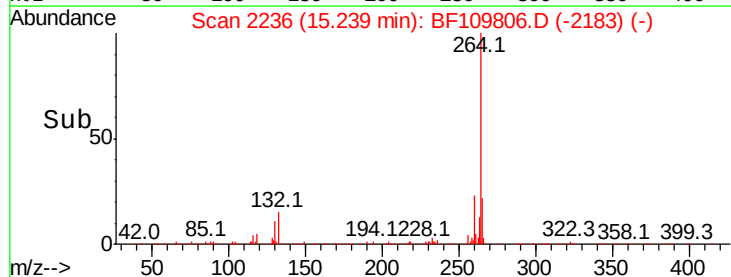
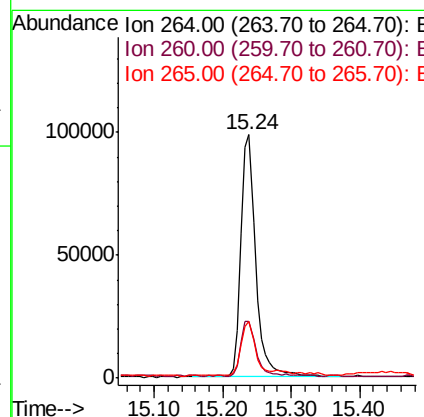
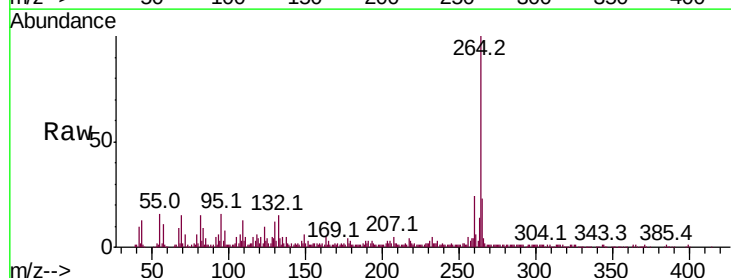
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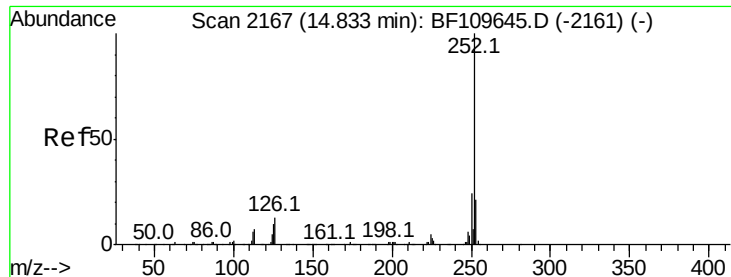
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	23.2	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 9.074 ng m

RT: 14.84 min Scan# 2169

Delta R.T. 0.01 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Instrument :

BNA_F

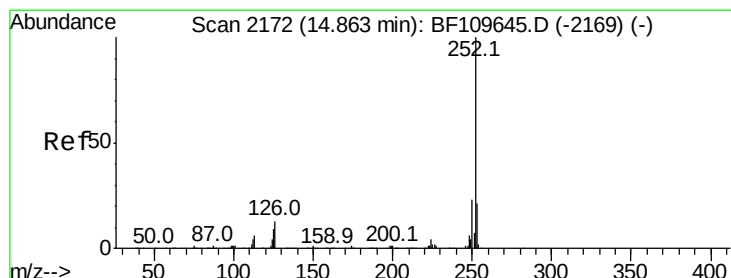
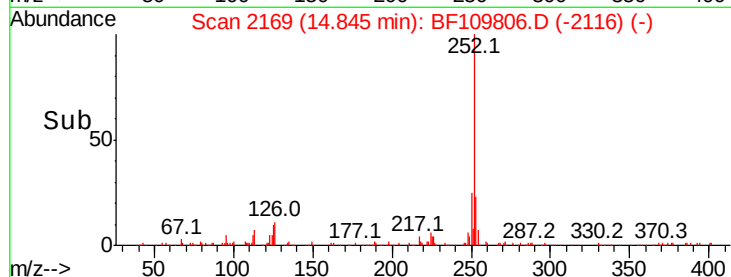
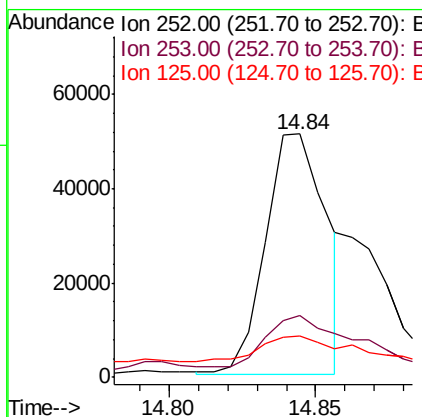
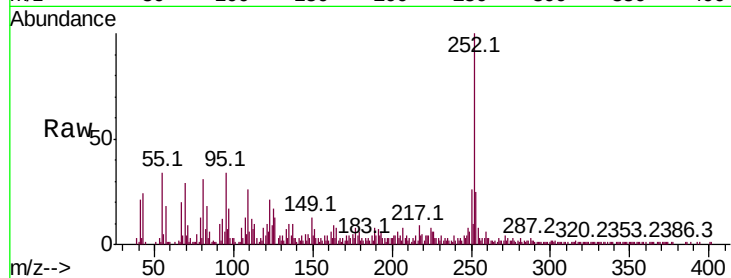
ClientSampleId :

DOCUMENTATION-19

Tot Ion:	252	Resp:	74346
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.2	25.8
125	16.8	8.2	12.4#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.354 ng m

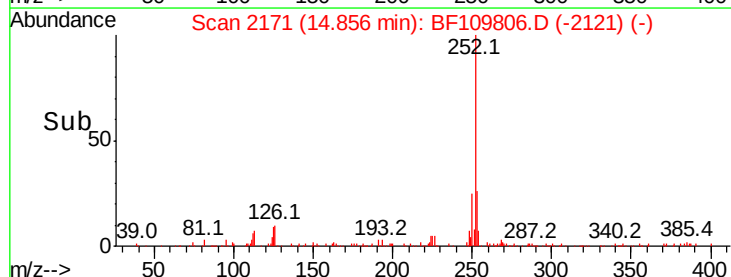
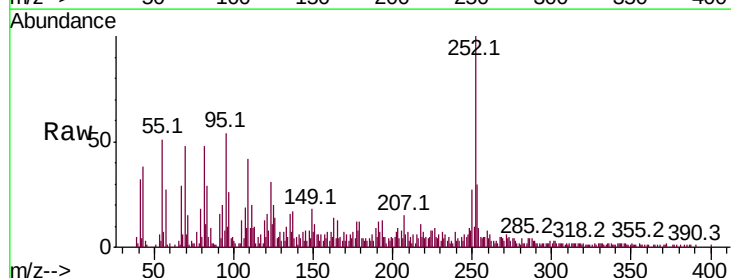
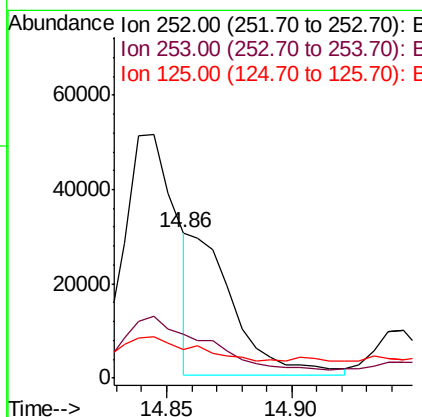
RT: 14.86 min Scan# 2171

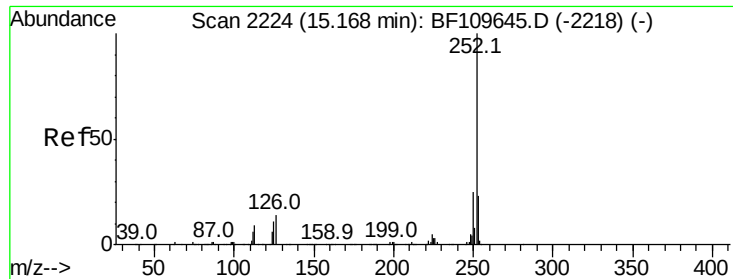
Delta R.T. -0.01 min

Lab File: BF109806.D

Acq: 12 Oct 2018 00:20

Tgt Ion:	252	Resp:	35840
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.2	25.8#
125	19.6	7.4	11.0#





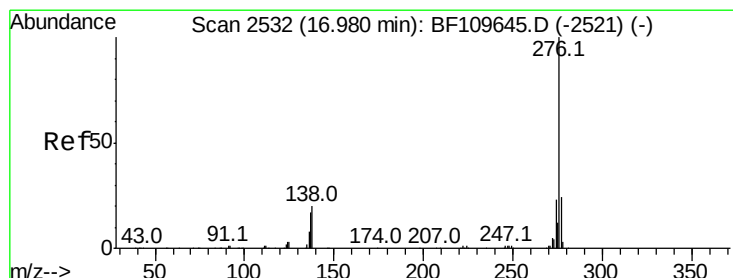
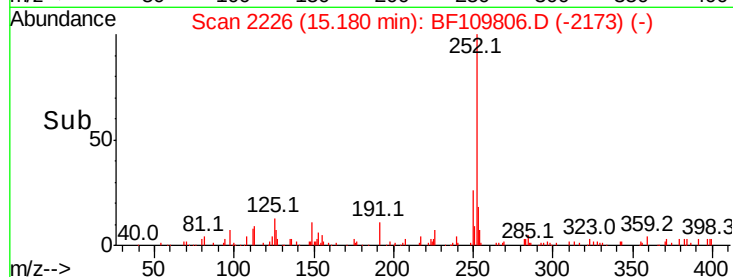
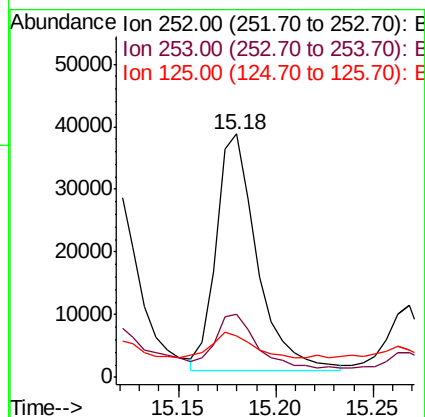
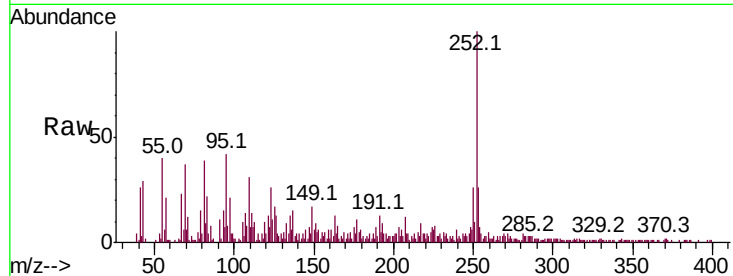
#89
Benzo(a)pyrene
Concen: 7.397 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.2	27.4
125	17.2	9.0	13.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.052 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF109806.D
Acq: 12 Oct 2018 00:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.8	28.2
138	20.6	16.0	24.0

