

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112787.D
 Acq On : 1 Mar 2019 3:11
 Operator : JU/SJ
 Sample : K1650-08 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Manual Integrations
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 3/1/2019 4:19:53 PM

Quant Time: Mar 01 16:10:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	172266	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	622354	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	243660	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	454719	20.00	ng	0.00
76) Chrysene-d12	13.87	240	479331	20.00	ng	0.00
87) Perylene-d12	15.29	264	396004	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	55326	5.00	ng	0.00
7) Phenol-d6	6.36	99	93330	6.71	ng	0.00
23) Nitrobenzene-d5	7.30	82	52371	5.04	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	7749	3.00	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	97259	3.92	ng	0.00
79) Terphenyl-d14	12.83	244	100763	4.08	ng	0.00
Target Compounds						
71) Phenanthrene	11.27	178	127473	5.634	ng	95
75) Fluoranthene	12.46	202	218352	9.008	ng	95
78) Pyrene	12.68	202	252396	6.246	ng	99
81) Benzo(a)anthracene	13.86	228	125438	3.776	ng	99
83) Chrysene	13.90	228	114203	3.510	ng	98
88) Benzo(b)fluoranthene	14.88	252	125595m	4.903	ng	
90) Benzo(a)pyrene	15.22	252	89946	3.970	ng	99
92) Benzo(g,h,i)perylene	17.04	276	42073	2.167	ng	97

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

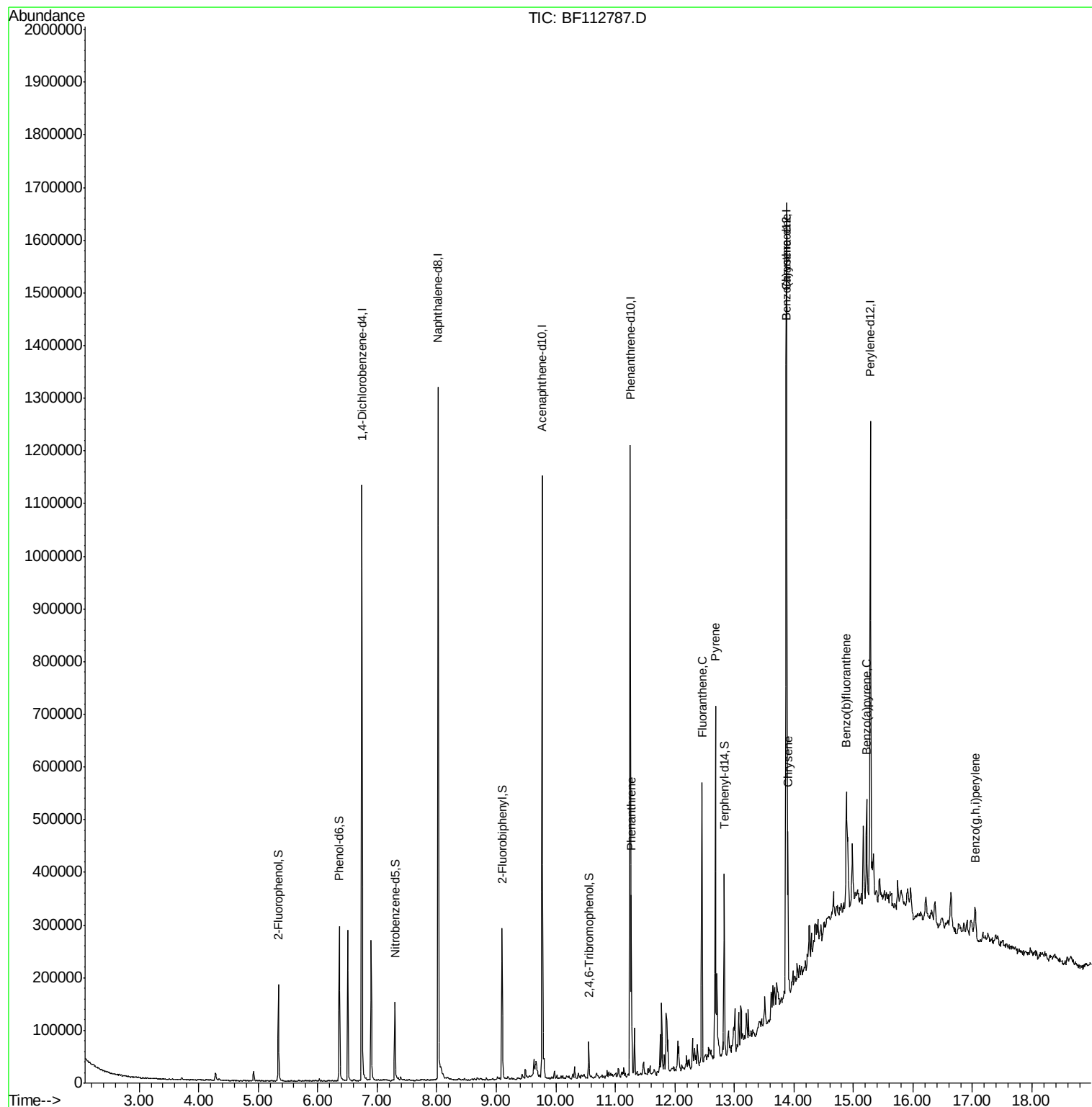
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112787.D
Acq On : 1 Mar 2019 3:11
Operator : JU/SJ
Sample : K1650-08 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

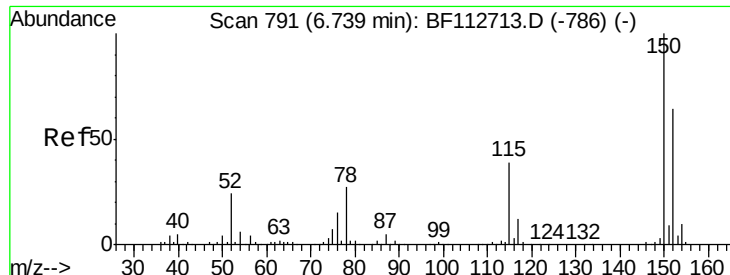
Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

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Quant Time: Mar 01 16:10:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





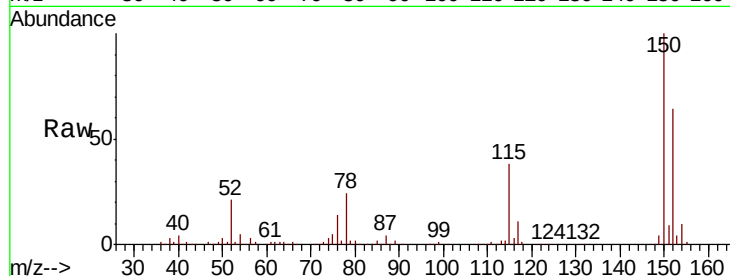
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Instrument :
 BNA_F
 ClientSampleId :
 B-4(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.2
115	58.5	48.2	72.4

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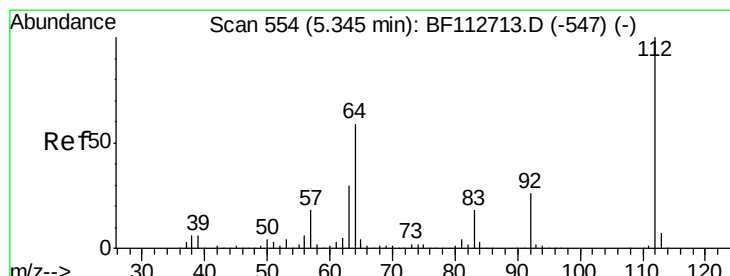
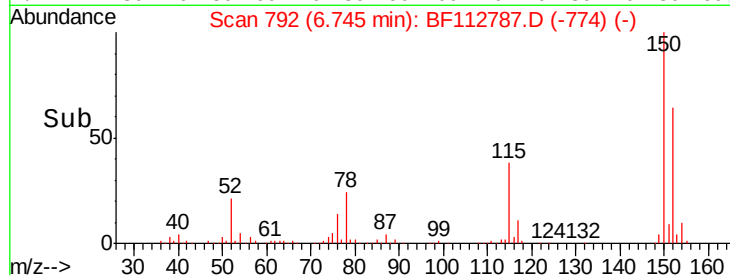
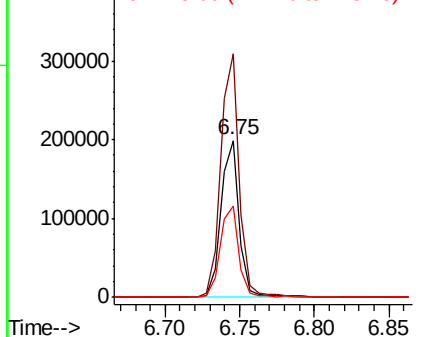


Abundance

Ion 152.00 (151.70 to 152.70): E

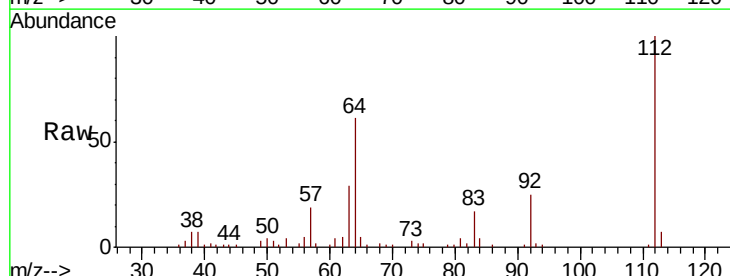
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 4.996 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112787.D
 Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.6	47.6	71.4
63	28.9	24.4	36.6

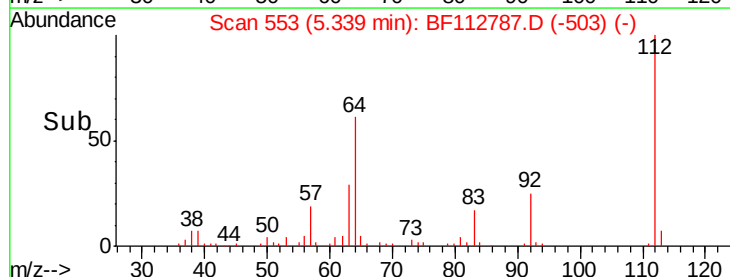
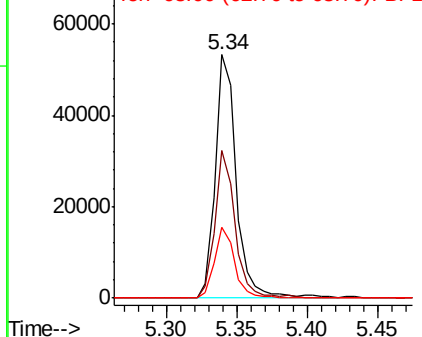


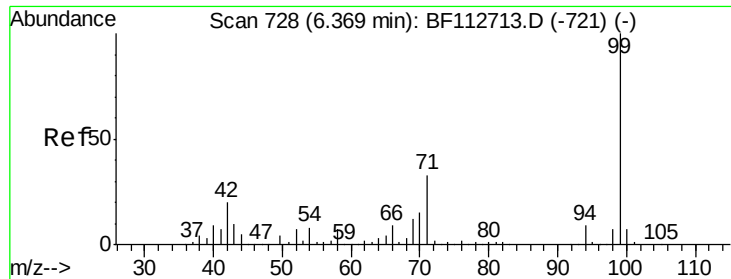
Abundance

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: 6.709 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

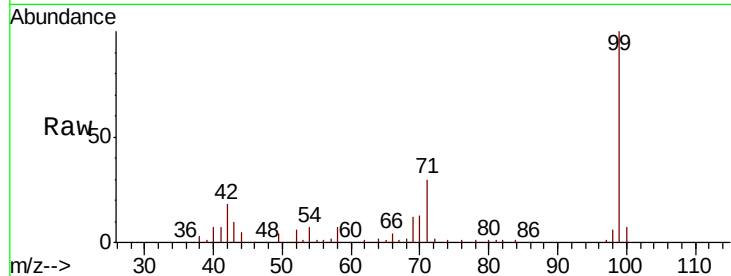
ClientSampled :

B-4(4-5)

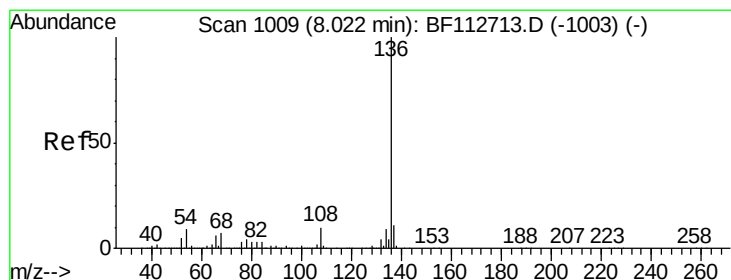
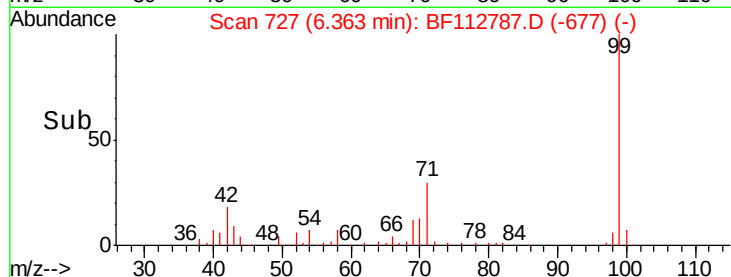
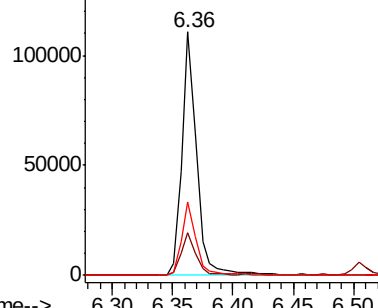
Tot Ion:	99	Resp:	93330
Ion Ratio	Lower	Upper	
99	100		
42	17.6	16.3	24.5
71	29.9	26.2	39.4

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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: 8.02 min Scan# 1009

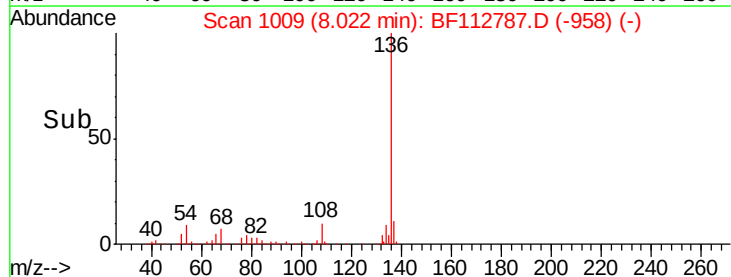
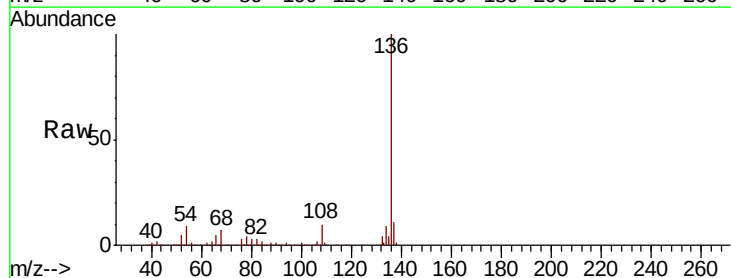
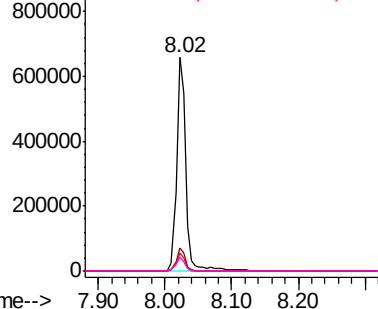
Delta R.T. -0.00 min

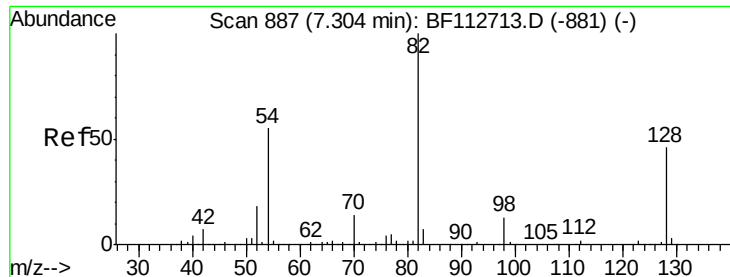
Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Tgt Ion:	136	Resp:	622354
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.6	7.3	10.9
68	6.6	5.4	8.2

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





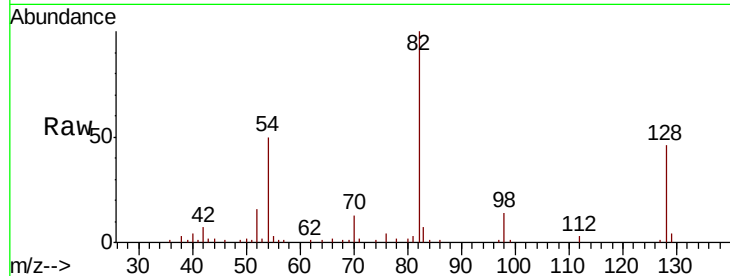
#23
Nitrobenzene-d5
Concen: 5.035 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampled :
B-4(4-5)

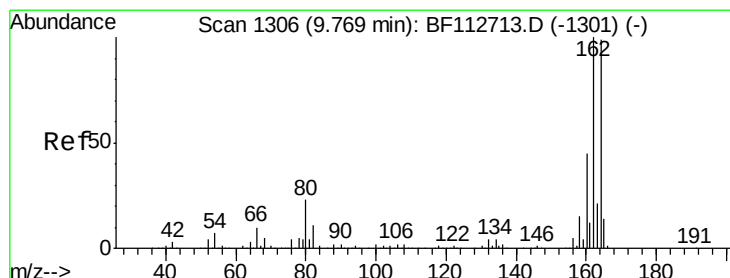
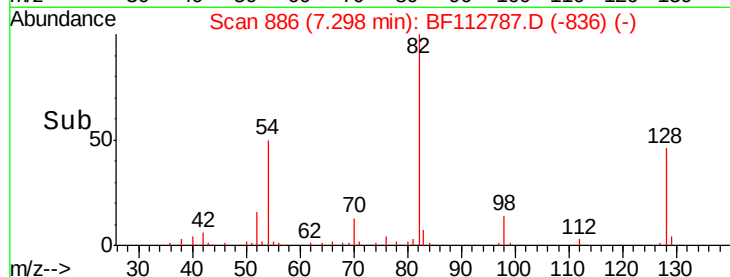
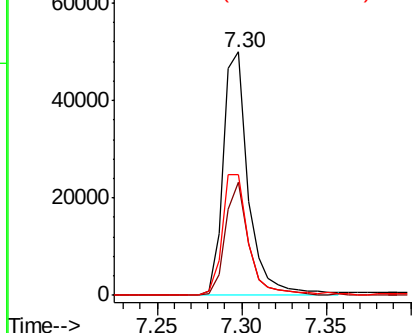
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.3	54.5
54	49.8	43.7	65.5

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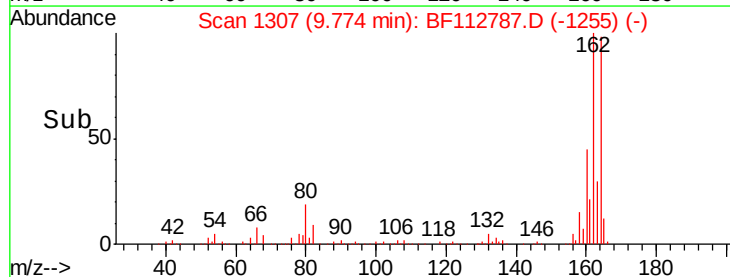
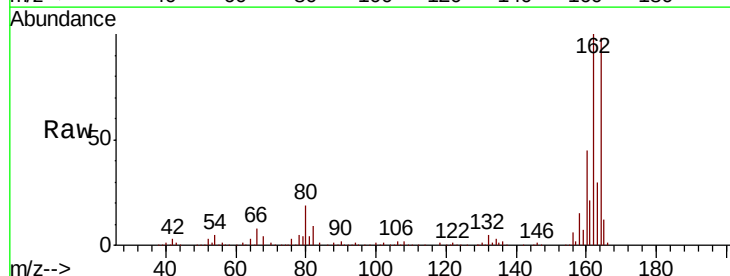
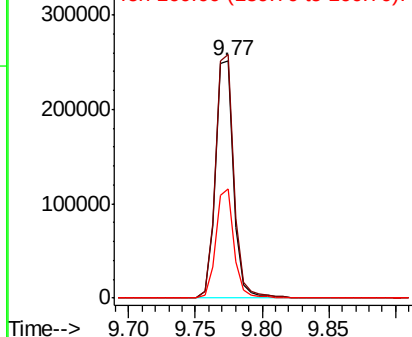
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

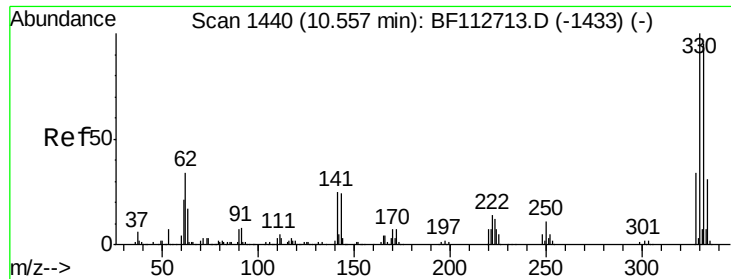


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	45.9	36.0	54.0

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





#42

2,4,6-Tribromophenol

Concen: 2.996 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

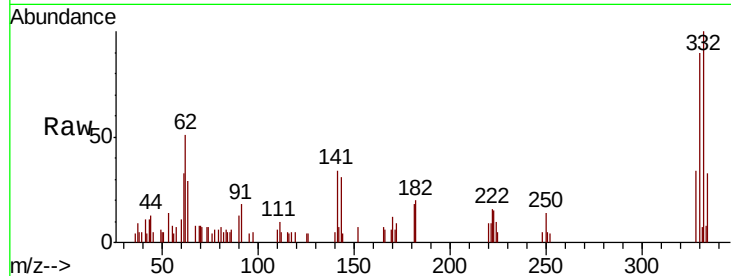
ClientSampled :

B-4(4-5)

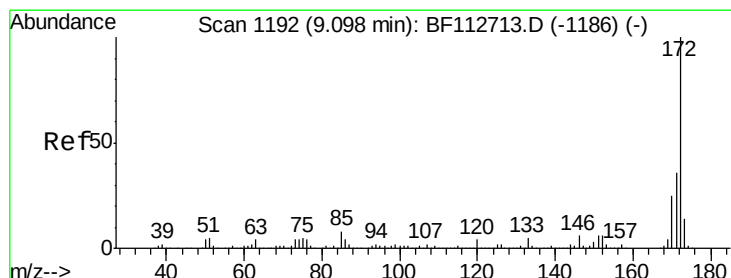
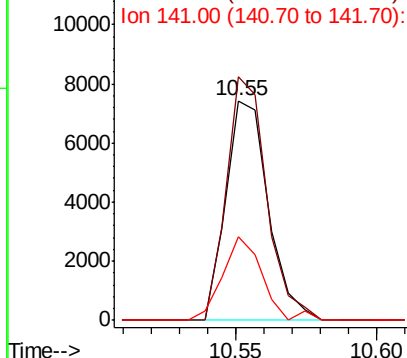
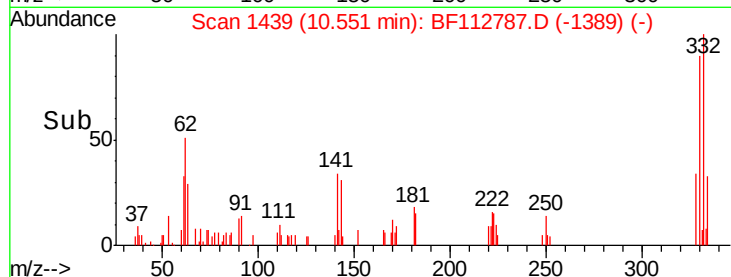
Tot Ion:	330	Resp:	7749
Ion Ratio	Lower	Upper	
330	100		
332	105.1	76.2	114.4
141	35.5	27.0	40.6

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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



#45

2-Fluorobiphenyl

Concen: 3.919 ng

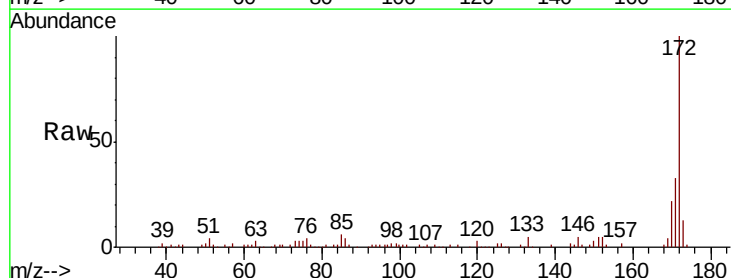
RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

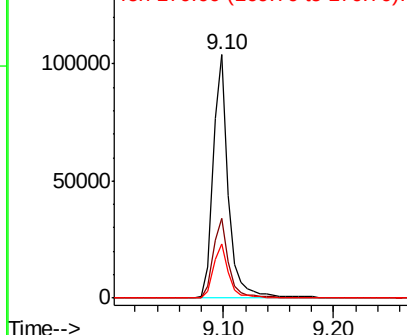
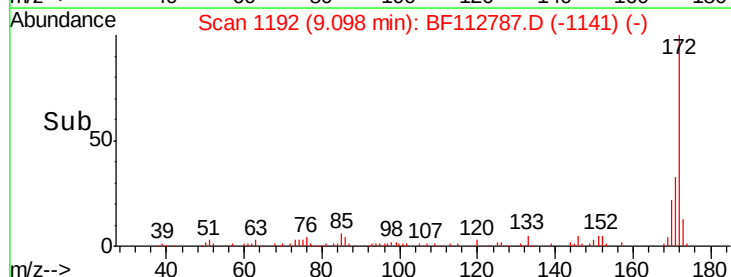
Lab File: BF112787.D

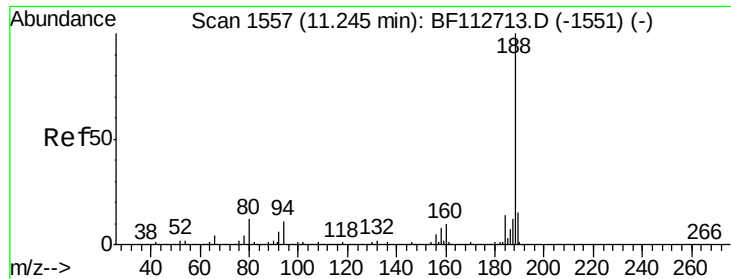
Acq: 1 Mar 2019 3:11

Tgt Ion:	172	Resp:	97259
Ion Ratio	Lower	Upper	
172	100		
171	32.7	29.0	43.4
170	22.4	20.0	30.0



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





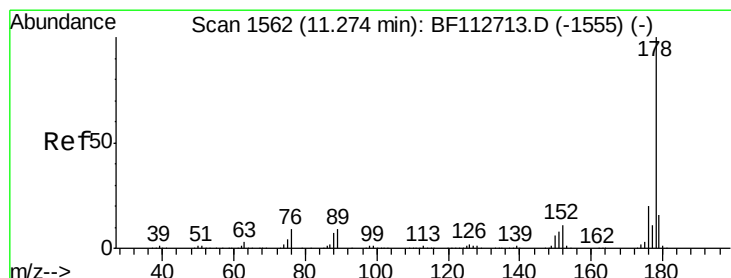
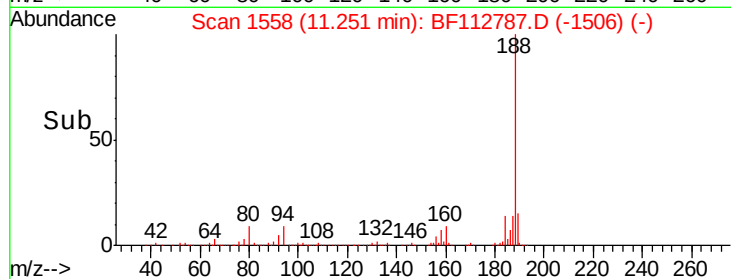
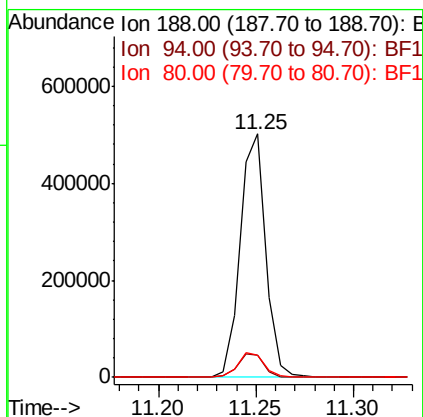
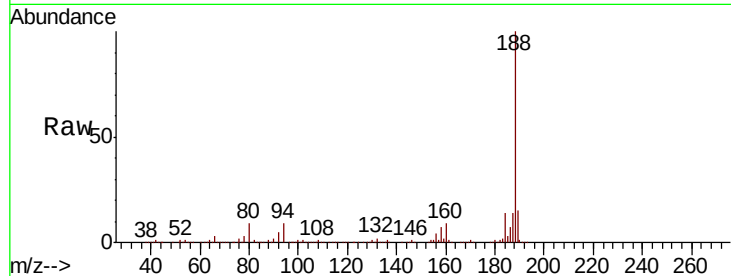
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampled :
B-4(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.3	9.0	13.4
80	8.9	9.2	13.8#

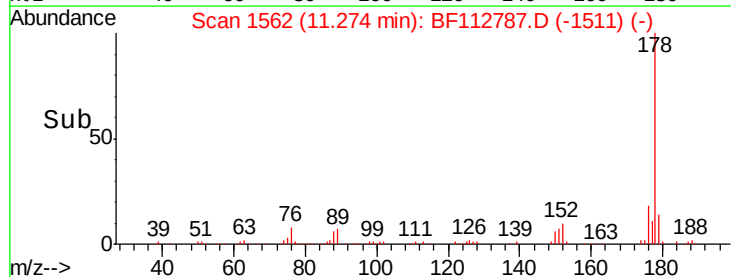
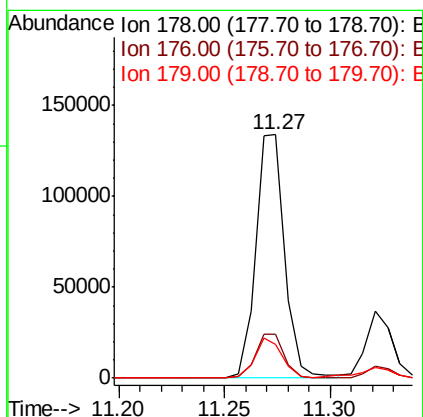
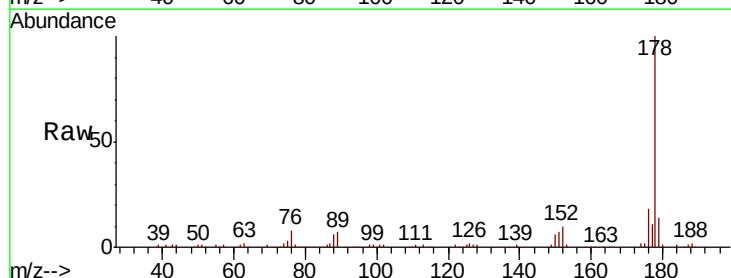
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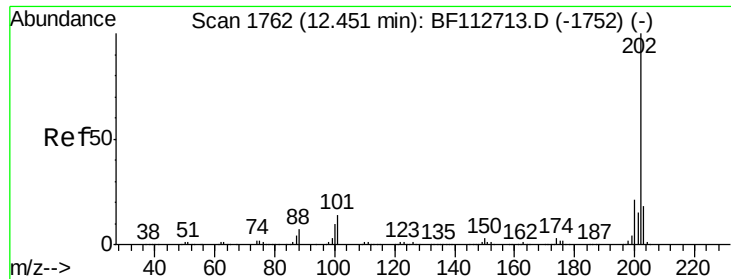
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#71
Phenanthrene
Concen: 5.634 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.3	16.3	24.5
179	14.1	12.7	19.1





#75

Fluoranthene

Concen: 9.008 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

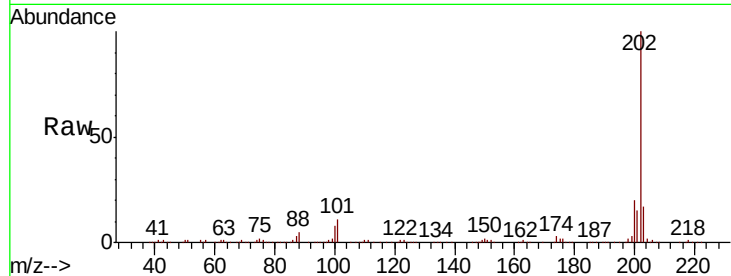
ClientSampleId :

B-4(4-5)

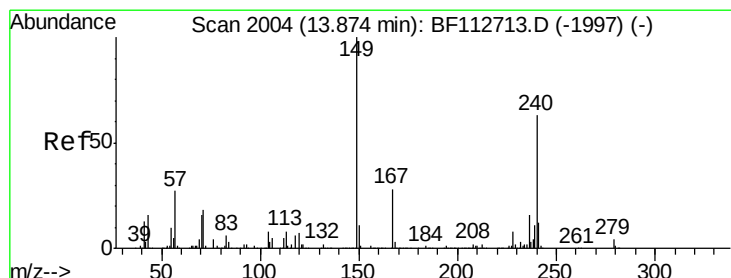
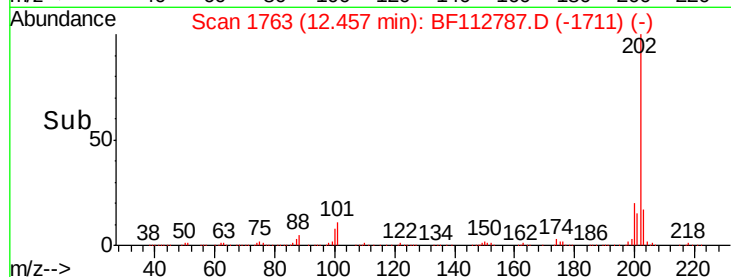
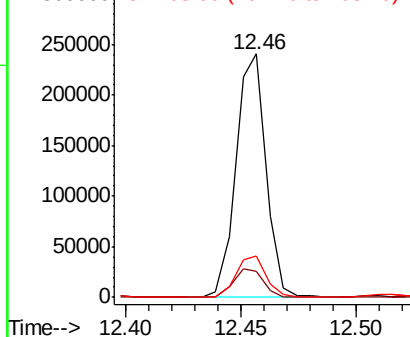
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		218352		
101	10.6	0.0	33.8		
203	16.9	0.0	38.4		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

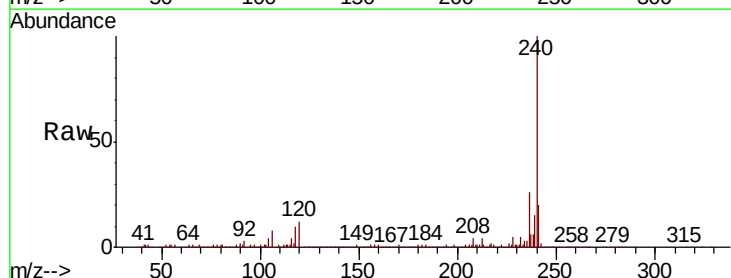
RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

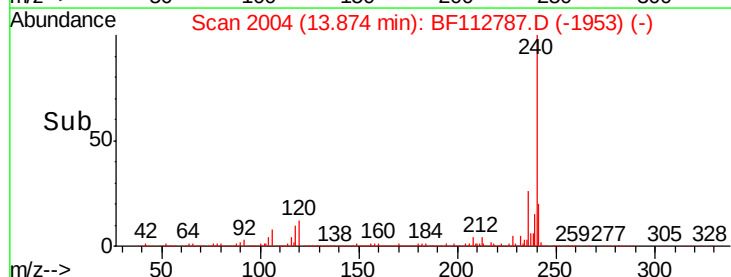
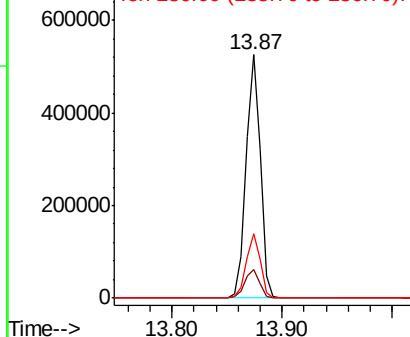
Lab File: BF112787.D

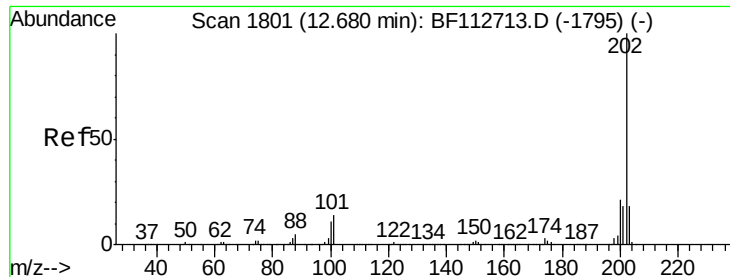
Acq: 1 Mar 2019 3:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		479331		
120	11.9	8.9	13.3		
236	26.3	20.7	31.1		



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





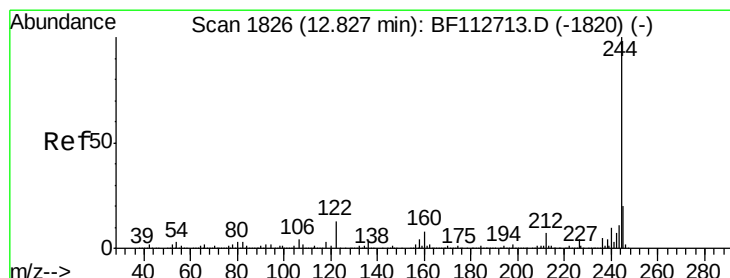
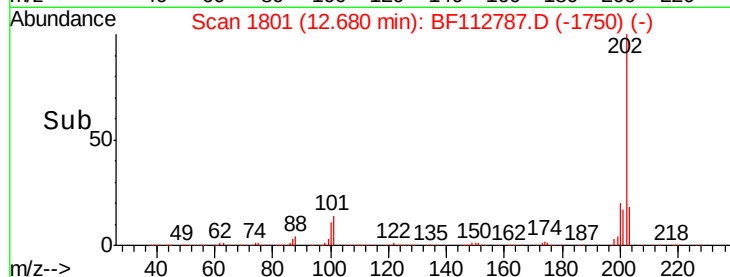
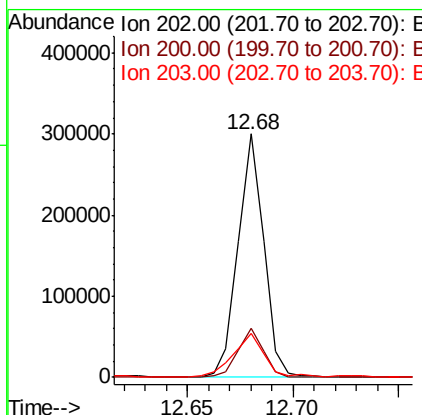
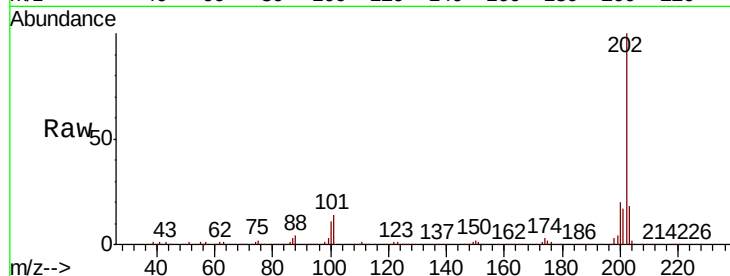
#78
Pvrene
Concen: 6.246 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.0	25.4
203	18.2	14.4	21.6

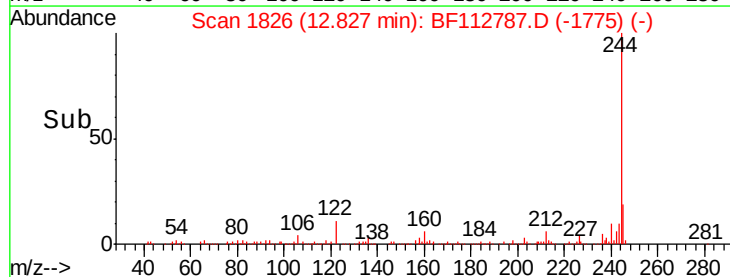
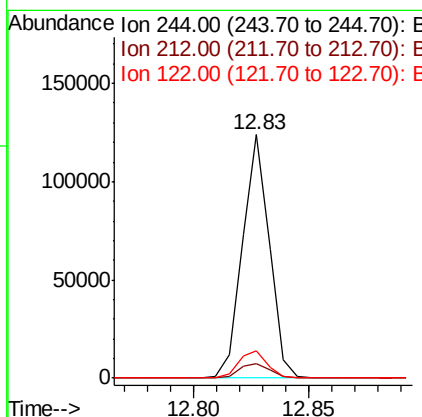
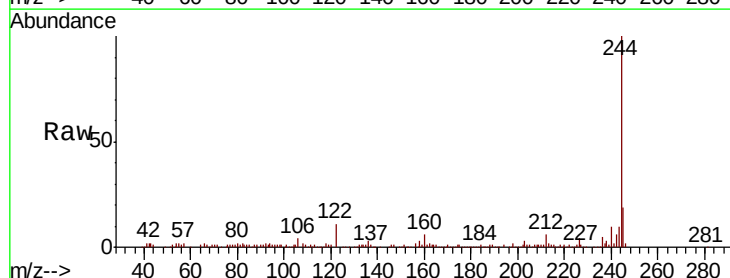
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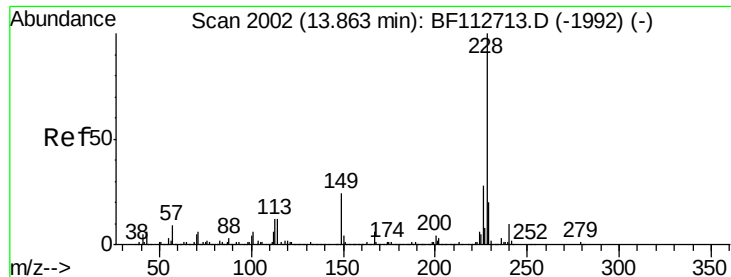
Sohil
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#79
Terphenyl-d14
Concen: 4.075 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.00 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.0	5.6	8.4
122	11.3	10.5	15.7





#81

Benzo(a)anthracene

Concen: 3.776 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

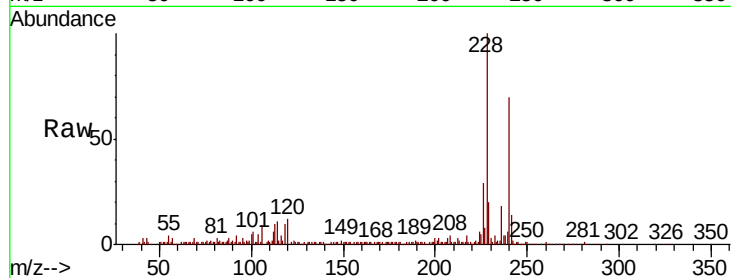
ClientSampled :

B-4(4-5)

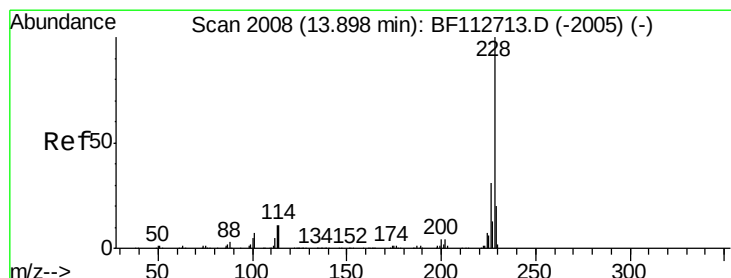
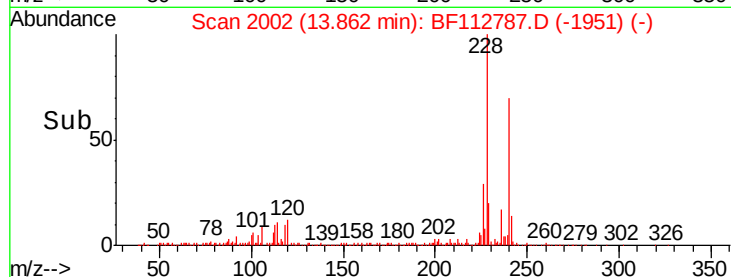
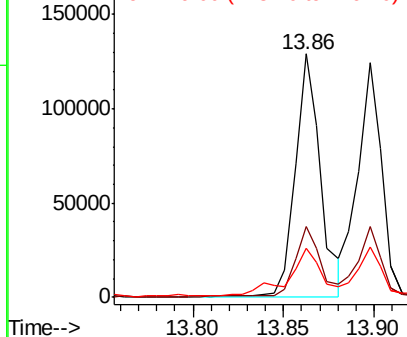
Tot Ion:	228	Resp:	125438
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.2	33.4
229	20.0	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.510 ng

RT: 13.90 min Scan# 2008

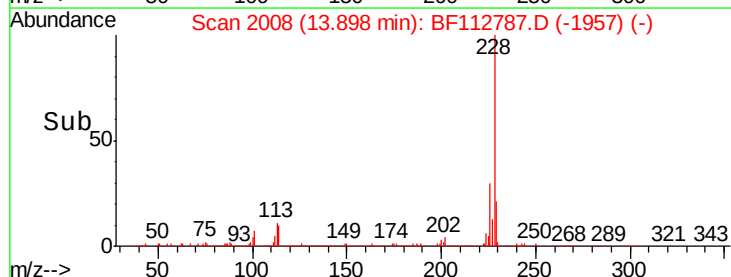
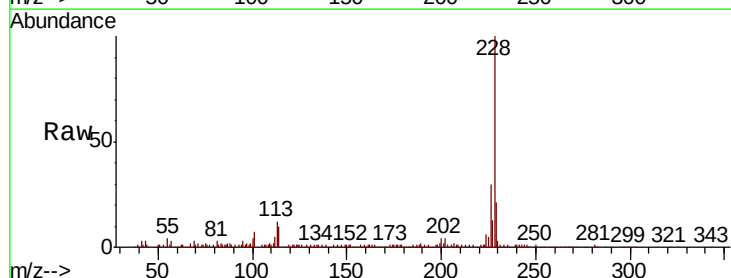
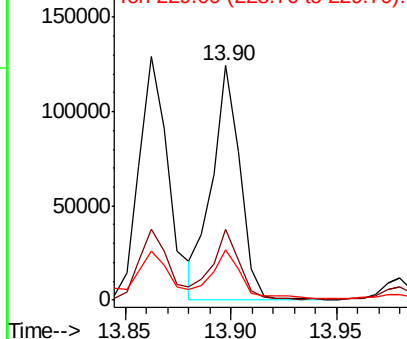
Delta R.T. -0.00 min

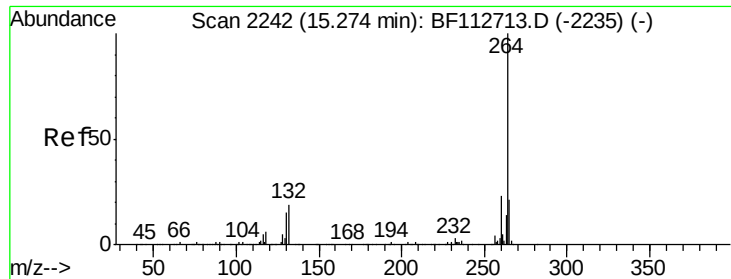
Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Tgt Ion:	228	Resp:	114203
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.4	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

Instrument :

BNA_F

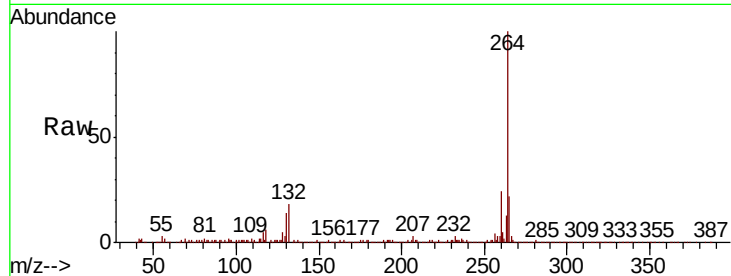
ClientSampleId :

B-4(4-5)

Tot Ion:	264	Resp:	396004
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	21.9	17.2	25.8

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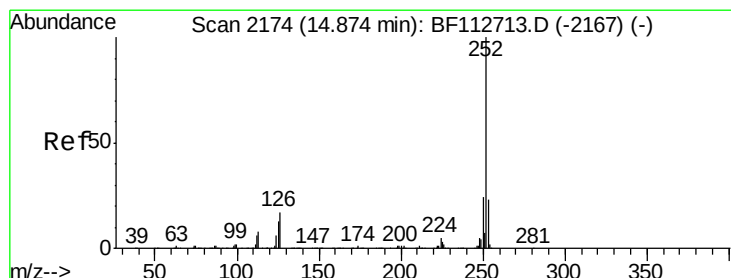
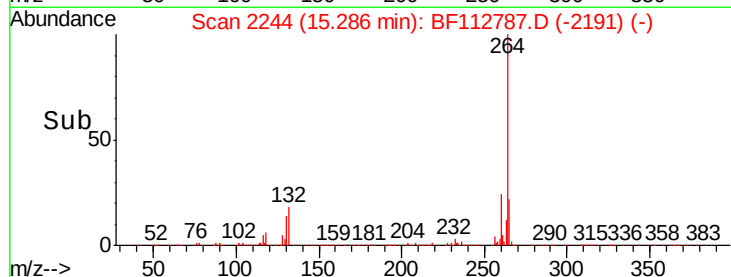
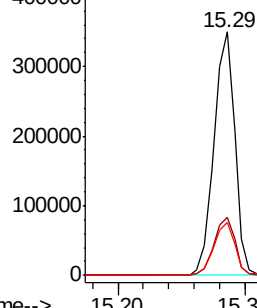


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 4.903 ng m

RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

Lab File: BF112787.D

Acq: 1 Mar 2019 3:11

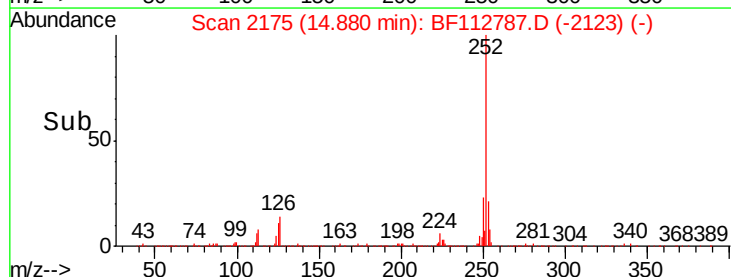
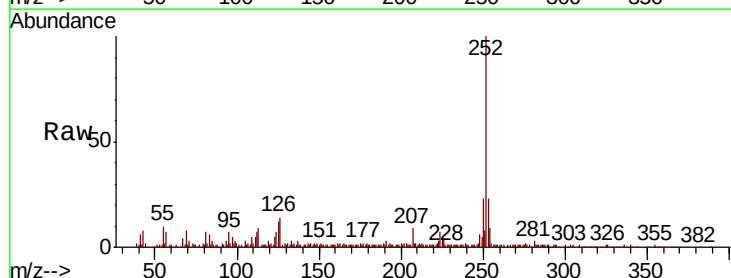
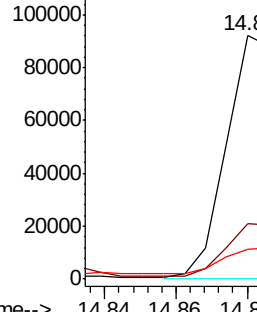
Tgt Ion:	252	Resp:	125595
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.0	27.0
125	12.5	10.2	15.2

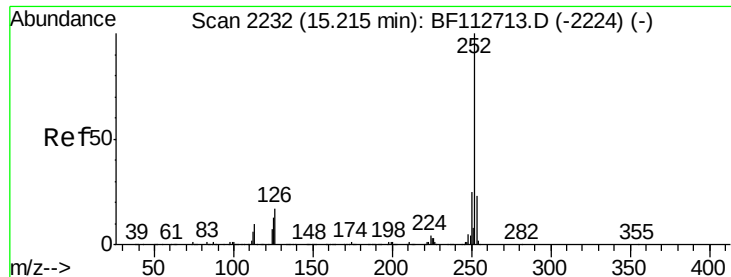
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





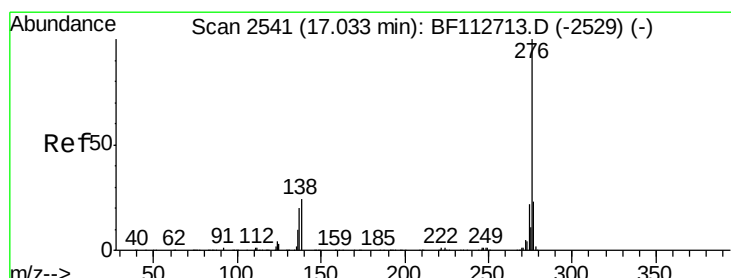
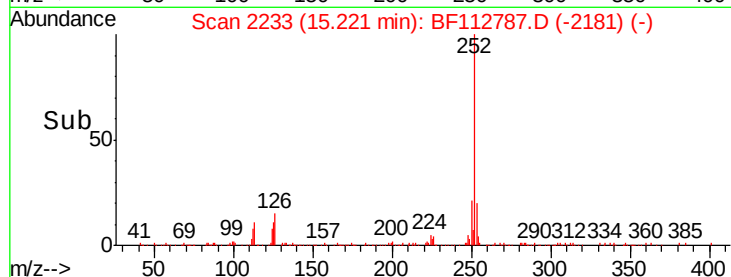
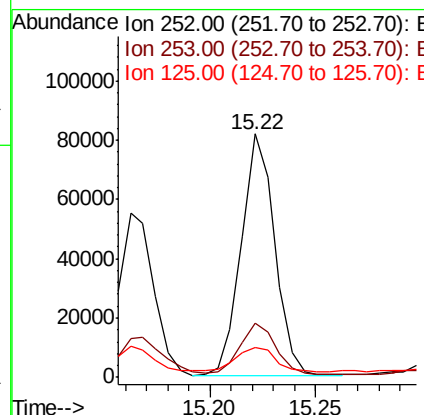
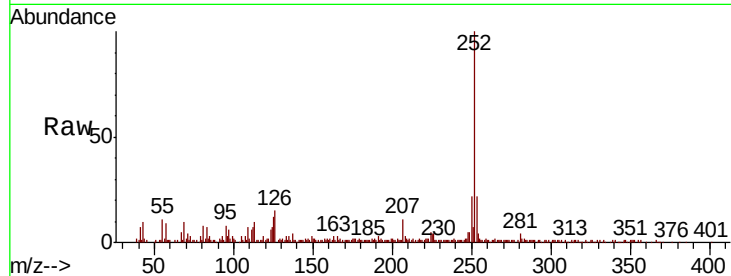
#90
Benzo(a)pyrene
Concen: 3.970 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Instrument :
BNA_F
ClientSampleId :
B-4(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.4	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 2.167 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF112787.D
Acq: 1 Mar 2019 3:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	27.8
138	25.2	19.4	29.0

