

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112795.D
 Acq On : 1 Mar 2019 13:10
 Operator : JU/SJ
 Sample : K1650-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Manual Integrations
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 3/4/2019 4:55:28 PM

Quant Time: Mar 01 22:51:39 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	168827	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	546044	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	221668	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	397902	20.00	ng	0.00
76) Chrysene-d12	13.87	240	426731	20.00	ng	0.00
87) Perylene-d12	15.29	264	495395	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	991994	91.40	ng	0.01
7) Phenol-d6	6.37	99	1214073	89.05	ng	0.00
23) Nitrobenzene-d5	7.30	82	739196	81.00	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	270319	114.87	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1091540	80.44	ng	0.00
79) Terphenyl-d14	12.83	244	1044838	47.46	ng	0.00

Target Compounds					Qvalue	
50) Dimethylphthalate	9.49	163	71276	4.361	ng	100
52) Acenaphthene	9.80	154	28102	2.005	ng	93
58) Fluorene	10.32	166	33804	2.338	ng	98
71) Phenanthrene	11.27	178	548550	27.708	ng	98
72) Anthracene	11.32	178	112326	5.420	ng	98
75) Fluoranthene	12.46	202	792330	37.356	ng	97
78) Pyrene	12.69	202	822751	22.870	ng	98
81) Benzo(a)anthracene	13.86	228	448846	15.176	ng	98
83) Chrysene	13.90	228	437701	15.109	ng	96
84) Bis(2-ethylhexyl)phthalate	13.87	149	56379	3.027	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	240052m	9.720	ng	
88) Benzo(b)fluoranthene	14.89	252	570817m	17.814	ng	
89) Benzo(k)fluoranthene	14.91	252	135492m	4.668	ng	
90) Benzo(a)pyrene	15.23	252	406985	14.359	ng	98
91) Dibenzo(a,h)anthracene	16.65	278	64792	2.679	ng	94
92) Benzo(g,h,i)perylene	17.05	276	213768	8.802	ng	98

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

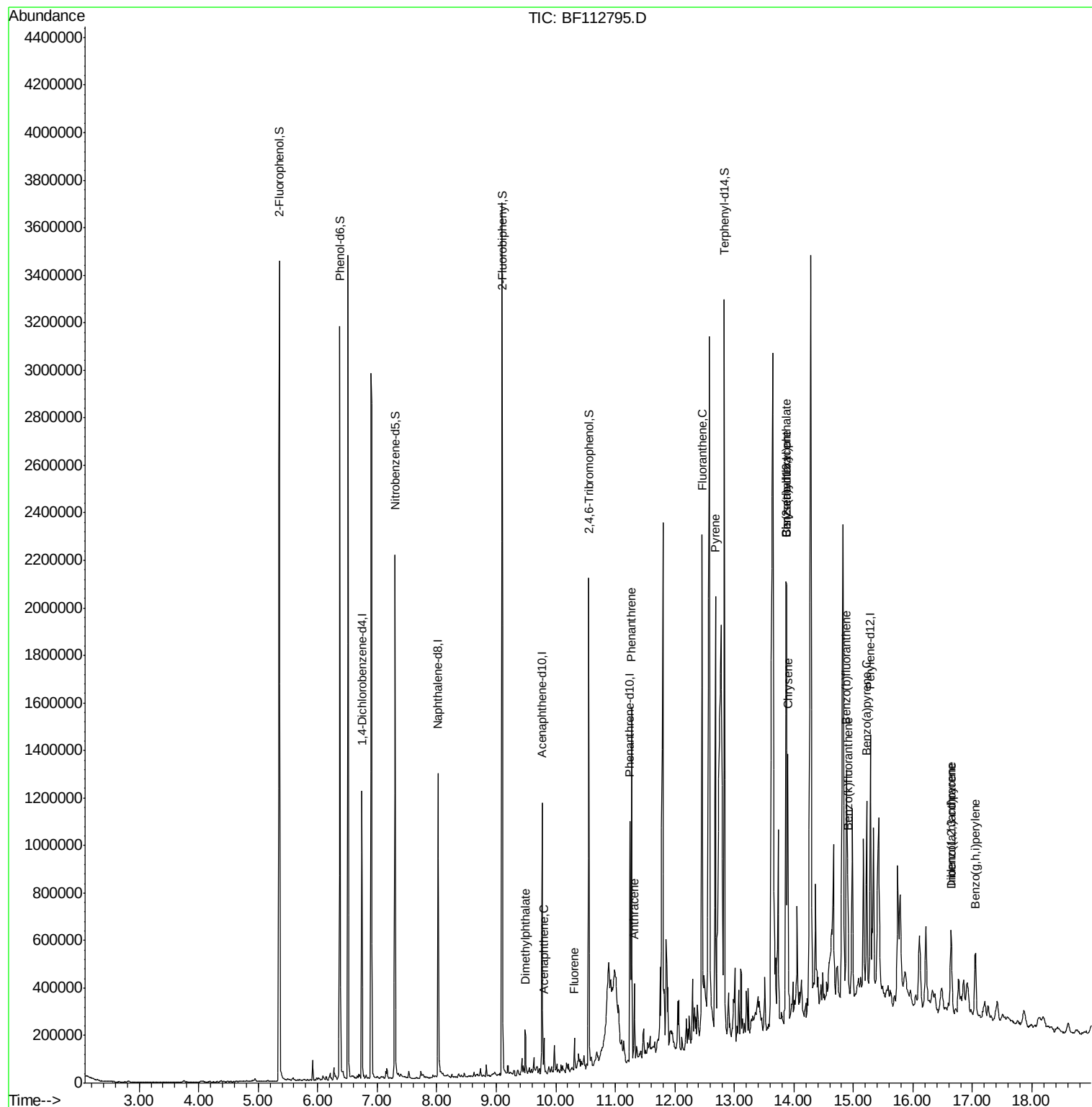
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112795.D
Acq On : 1 Mar 2019 13:10
Operator : JU/SJ
Sample : K1650-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

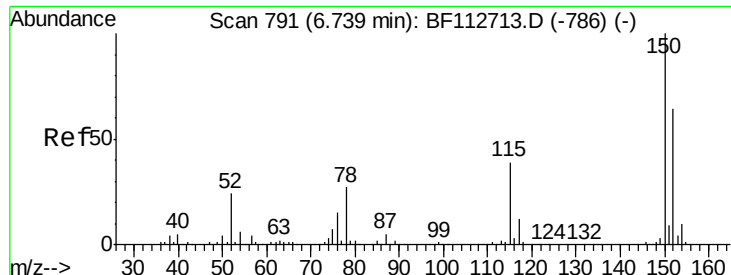
Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

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Quant Time: Mar 01 22:51:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

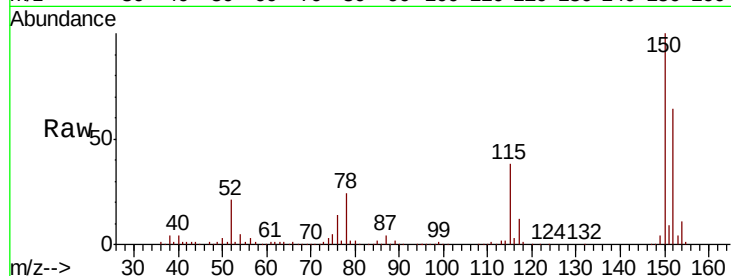
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.2	186.2
115	59.0	48.2	72.4

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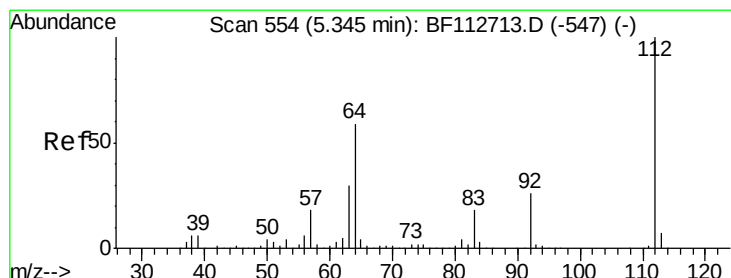
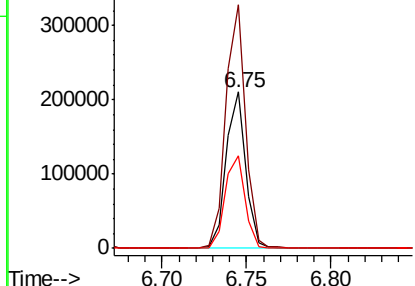
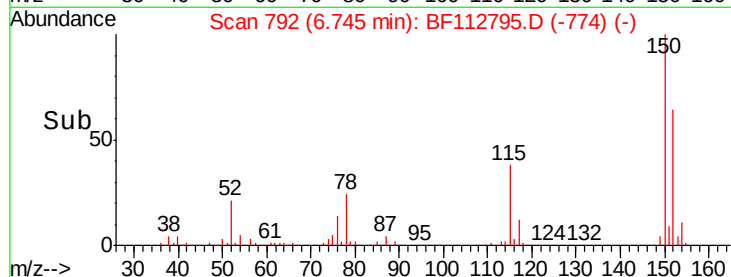


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

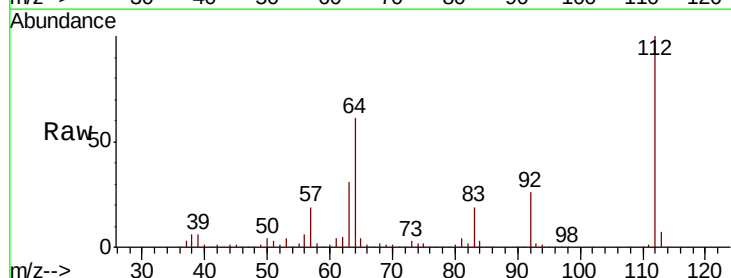
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.401 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	47.6	71.4
63	31.0	24.4	36.6

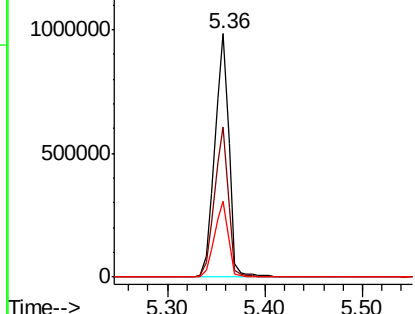
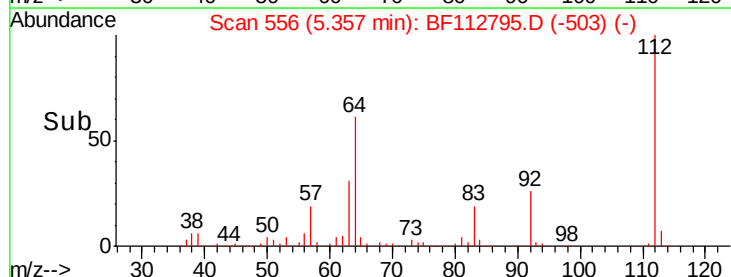


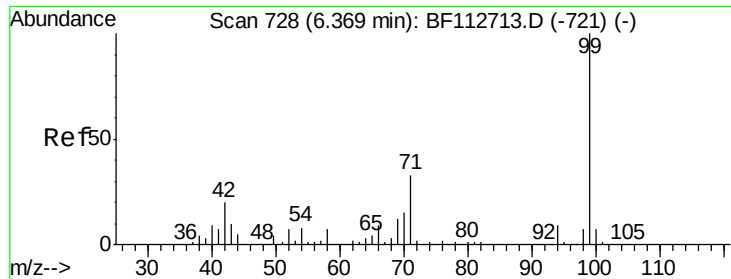
Abundance

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: 89.051 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

ClientSampleId :

B-3(2.5-3.5)

Tot Ion: 99 Resp: 1214073

Ion Ratio Lower Upper

99 100

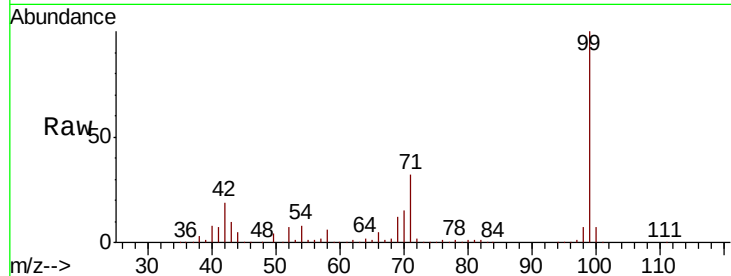
42 19.3 16.3 24.5

71 32.4 26.2 39.4

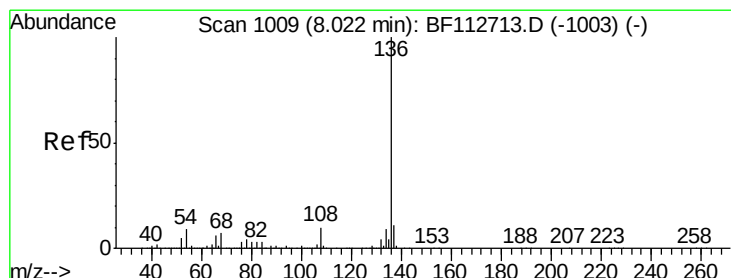
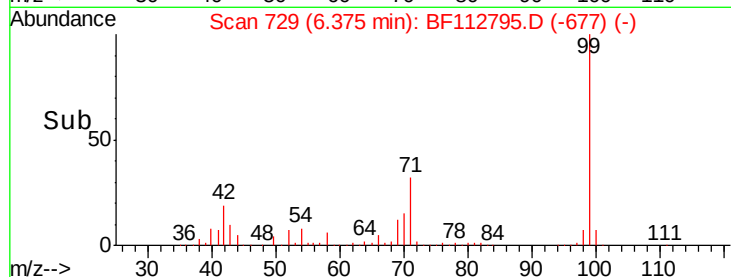
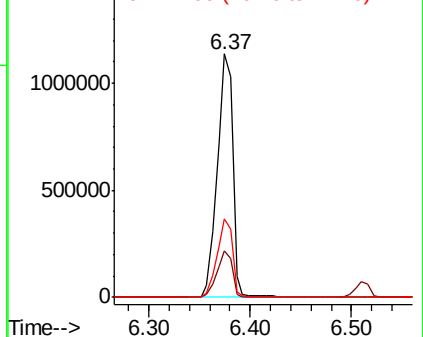
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Tgt Ion: 136 Resp: 546044

Ion Ratio Lower Upper

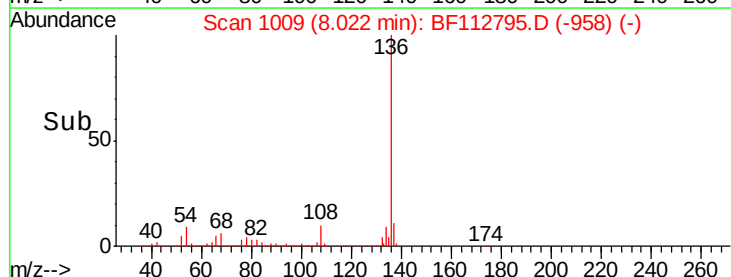
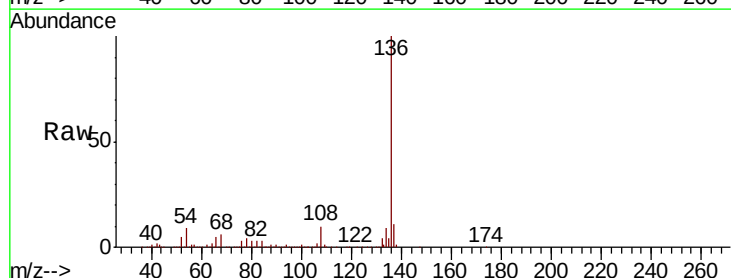
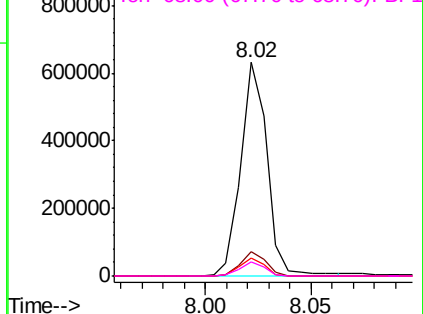
136 100

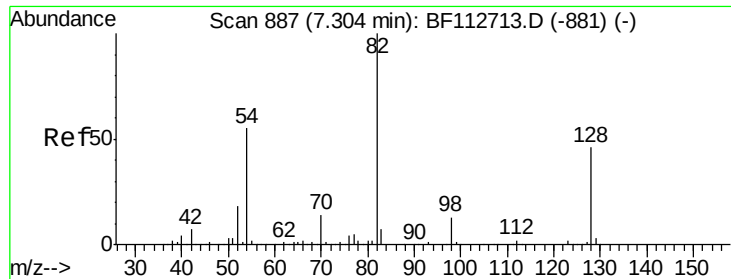
137 11.2 8.9 13.3

54 8.6 7.3 10.9

68 6.4 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





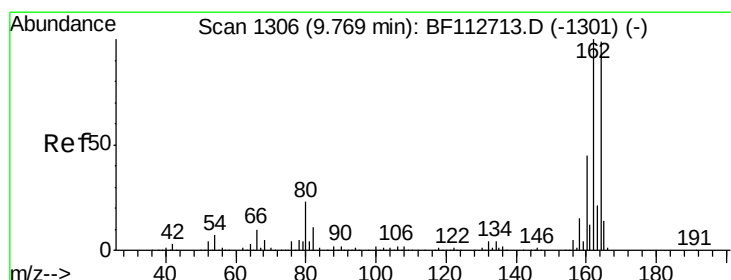
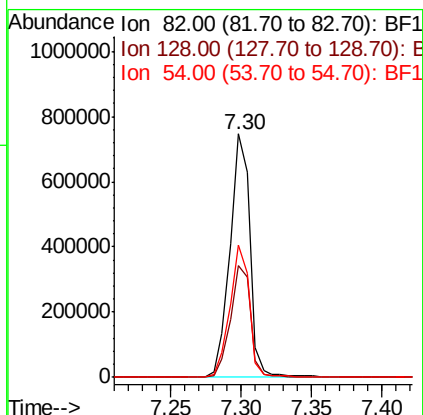
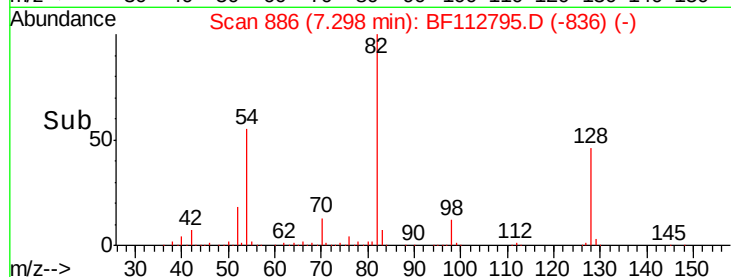
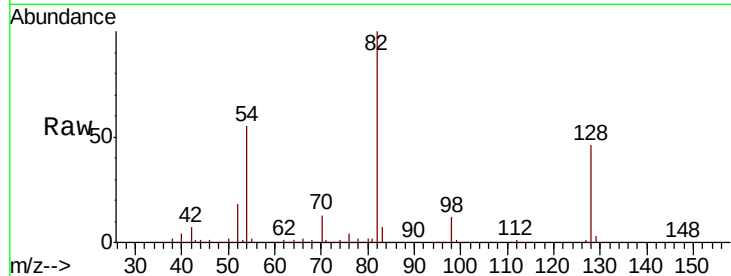
#23
Nitrobenzene-d5
Concen: 81.004 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	54.6	43.7	65.5

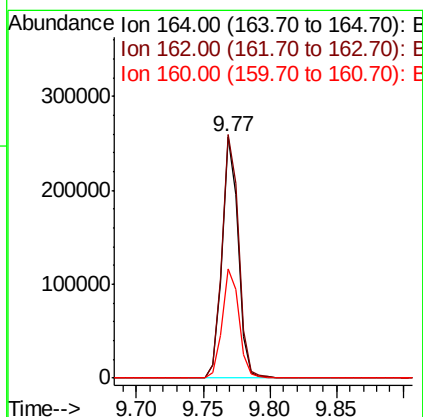
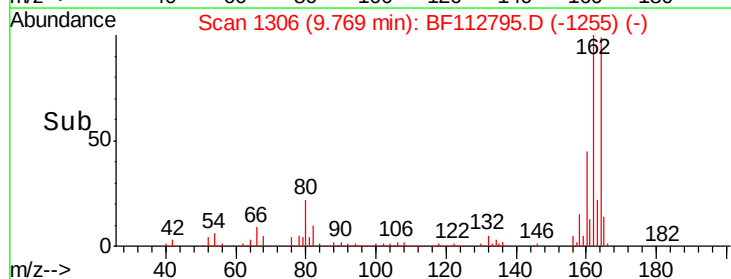
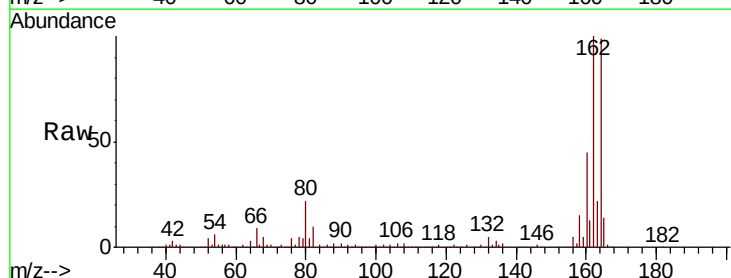
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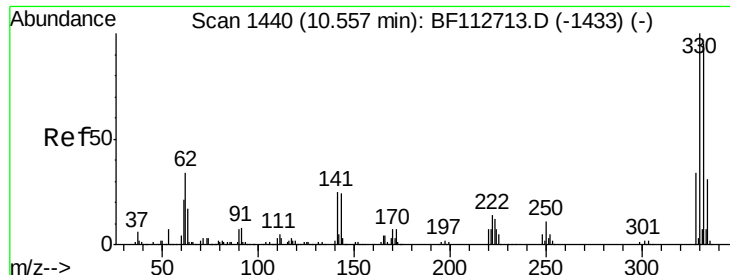
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	45.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 114.869 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

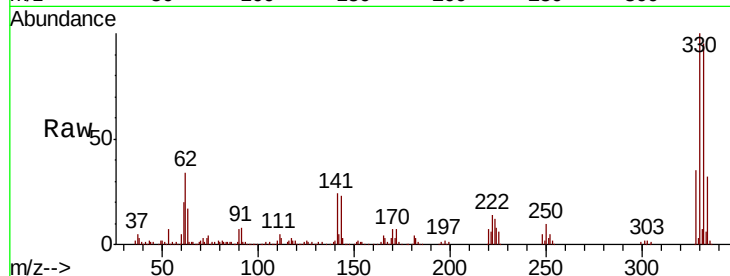
ClientSampled :

B-3(2.5-3.5)

Tot Ion:	330	Resp:	270319
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.2	114.4
141	29.8	27.0	40.6

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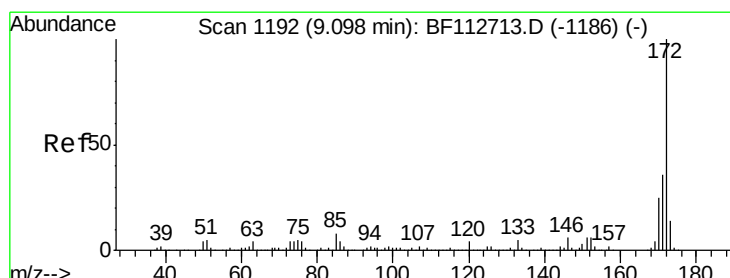
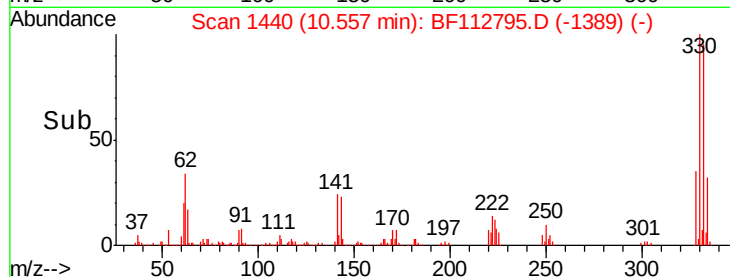
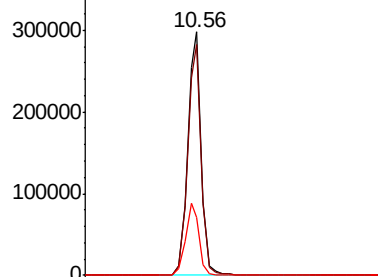


Abundance

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: 80.435 ng

RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

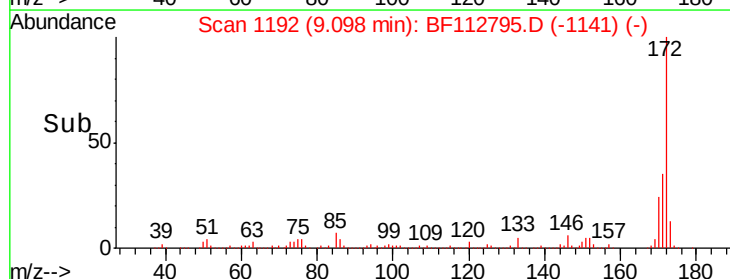
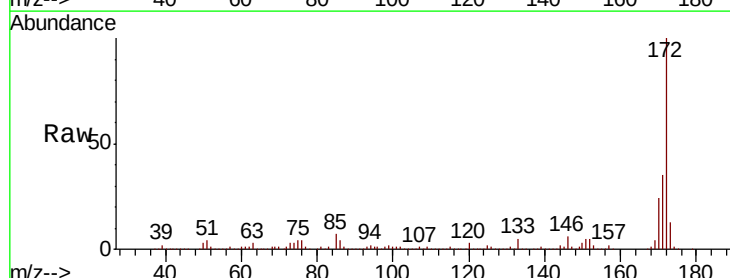
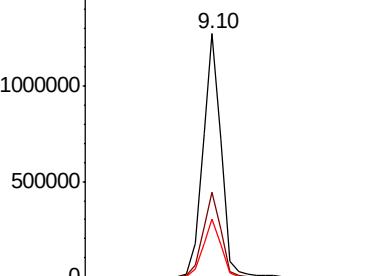
Tgt Ion:	172	Resp:	1091540
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.0	43.4
170	24.0	20.0	30.0

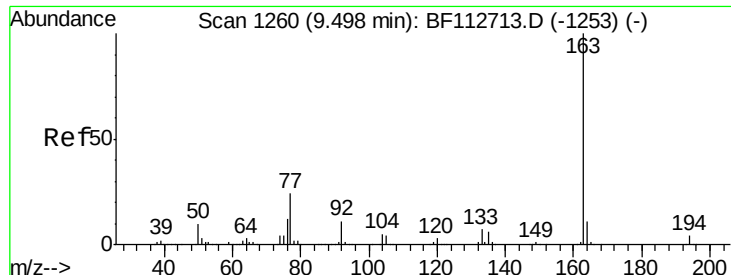
Abundance

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





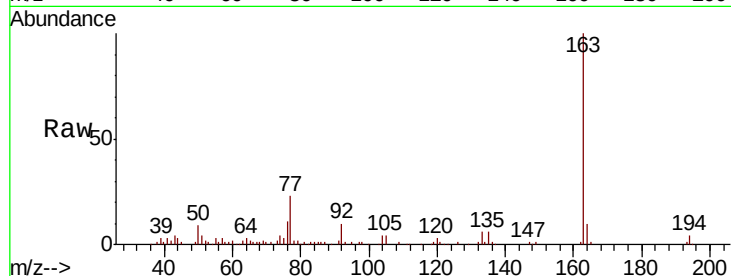
#50
Dimethylphthalate
Concen: 4.361 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

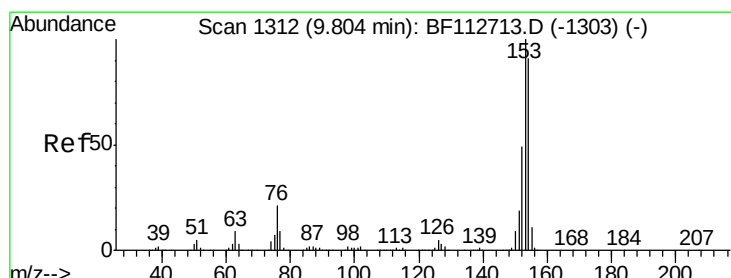
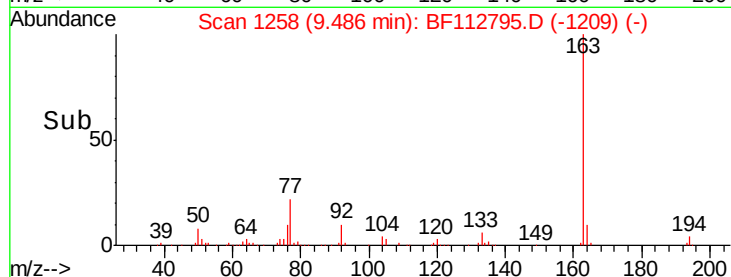
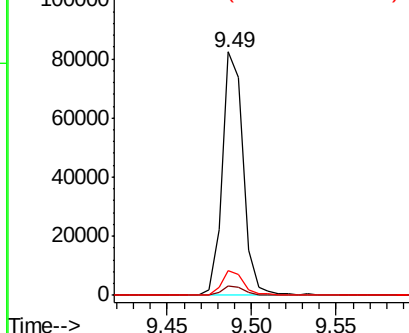
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	8.4	12.6

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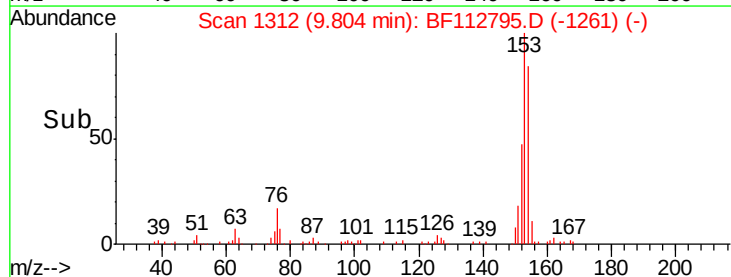
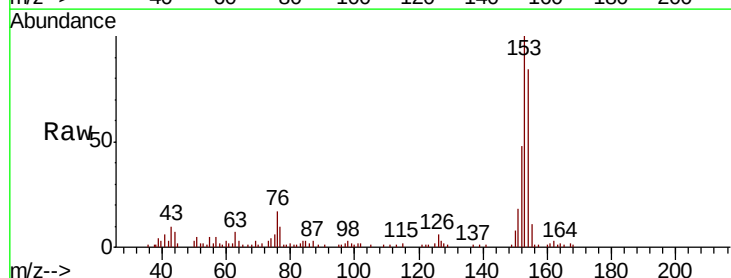
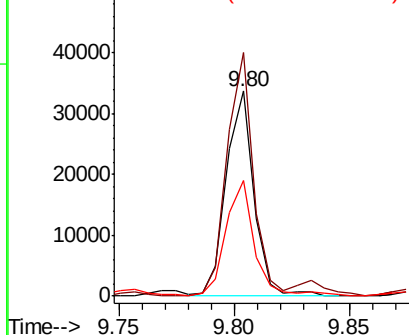
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

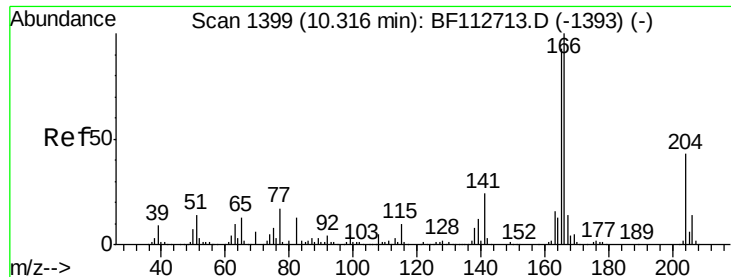


#52
Acenaphthene
Concen: 2.005 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.8	87.8	131.8
152	56.6	43.0	64.6

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





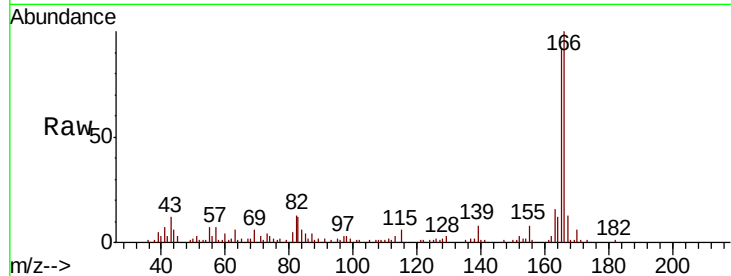
#58
 Fluorene
 Concen: 2.338 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.00 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

Instrument :
 BNA_F
 ClientSampleId :
 B-3(2.5-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		33804		
165	91.7	74.7	112.1		
167	13.4	11.0	16.6		

Manual Integrations
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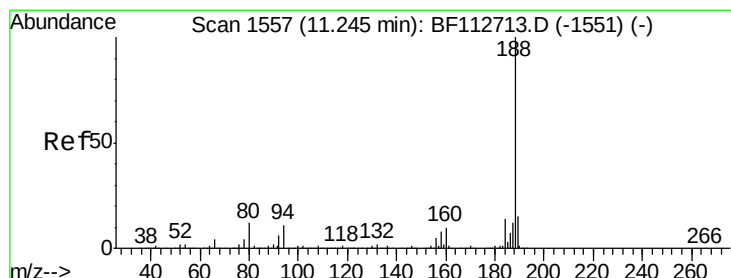
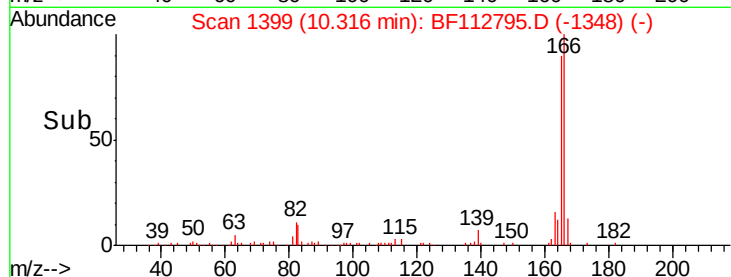
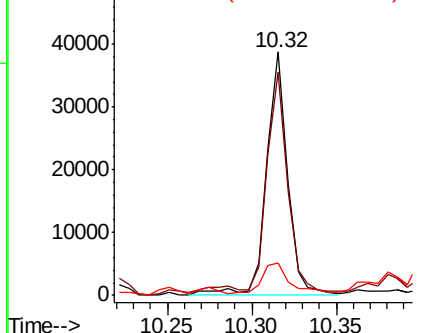


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112795.D
 Acq: 1 Mar 2019 13:10

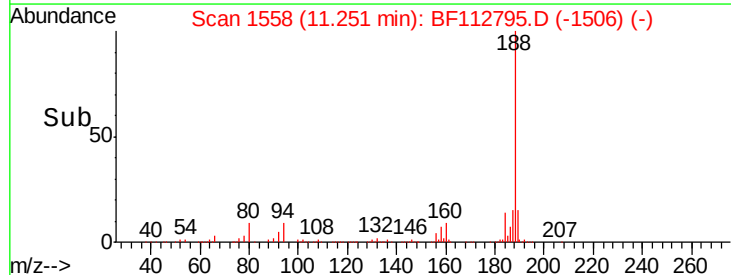
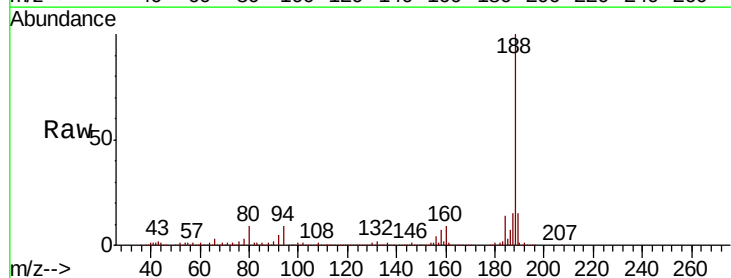
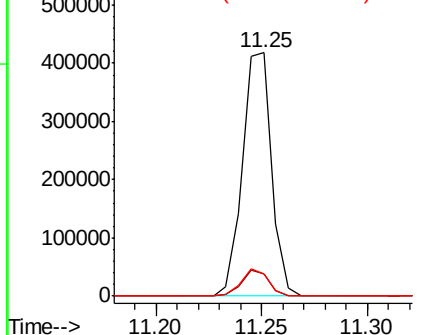
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		397902		
94	9.0	9.0	13.4		
80	9.2	9.2	13.8		

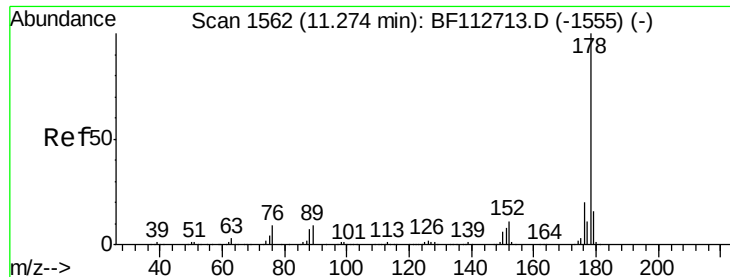
Abundance

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





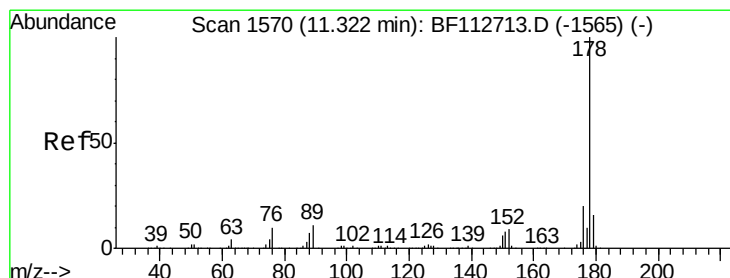
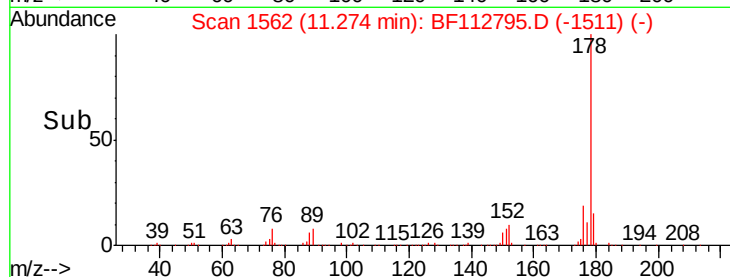
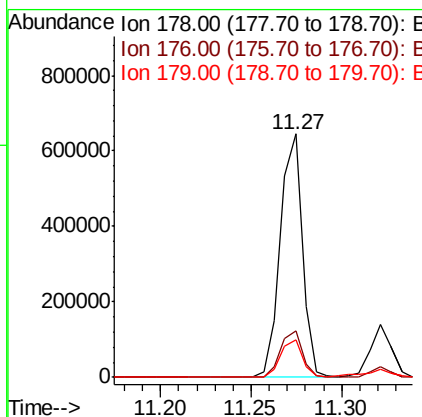
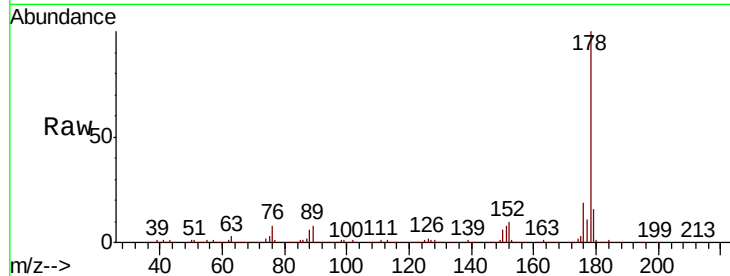
#71
Phenanthrene
Concen: 27.708 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.3	24.5
179	15.5	12.7	19.1

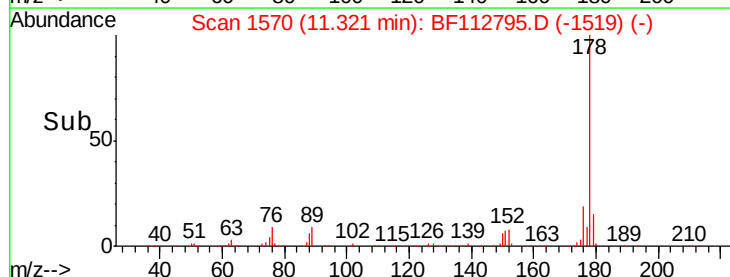
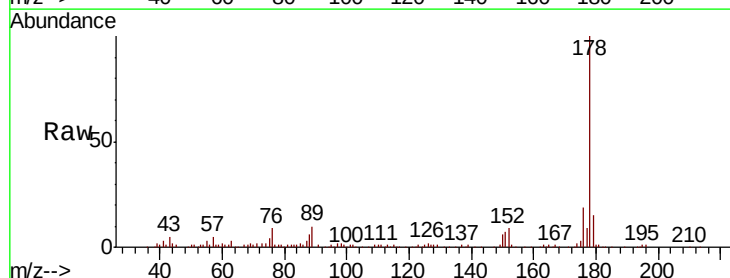
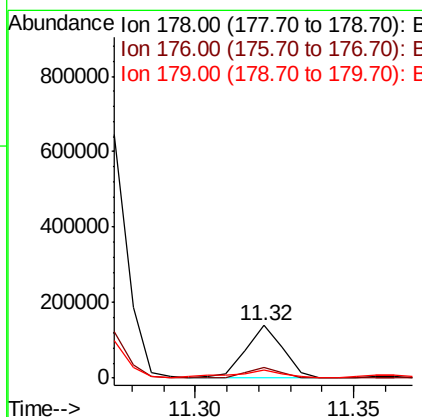
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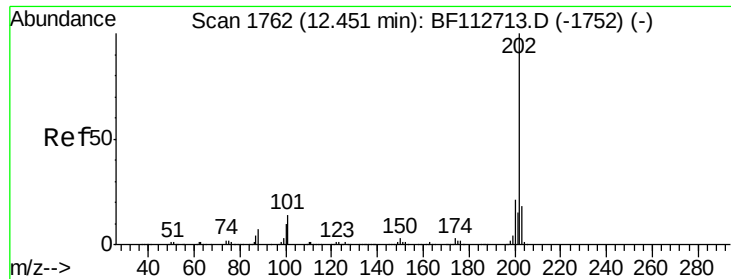
Sohil
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#72
Anthracene
Concen: 5.420 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.2	13.0	19.6





#75

Fluoranthene

Concen: 37.356 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

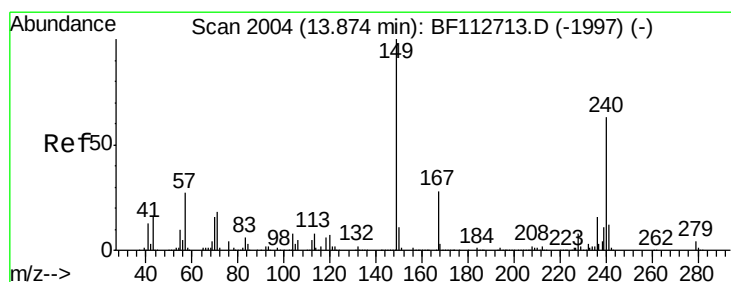
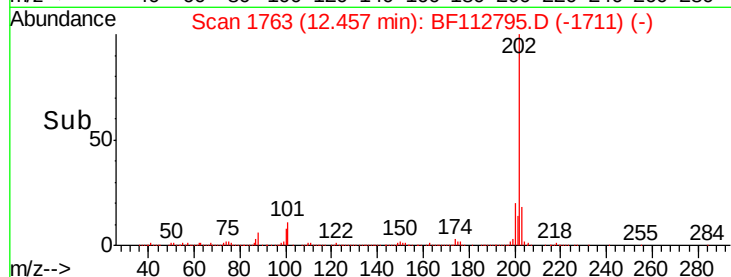
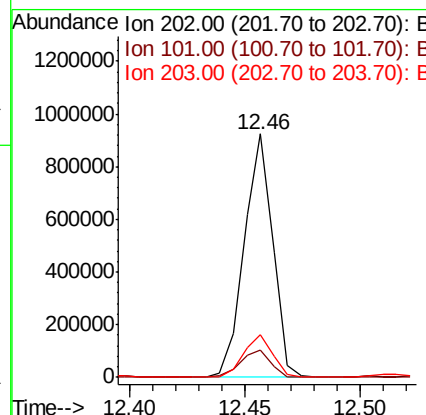
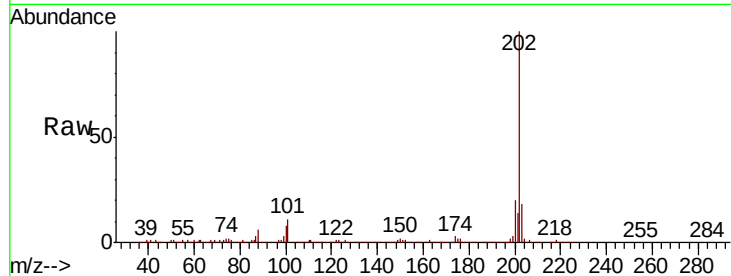
ClientSampleId :

B-3(2.5-3.5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	33.8
203	17.7	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

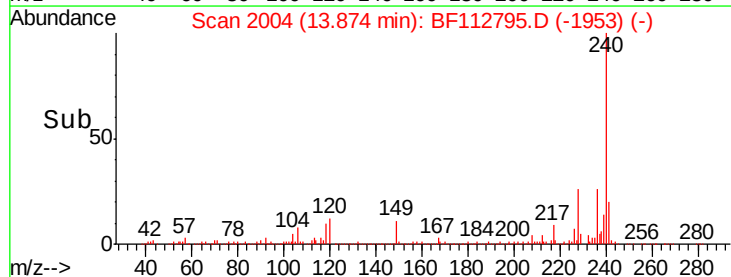
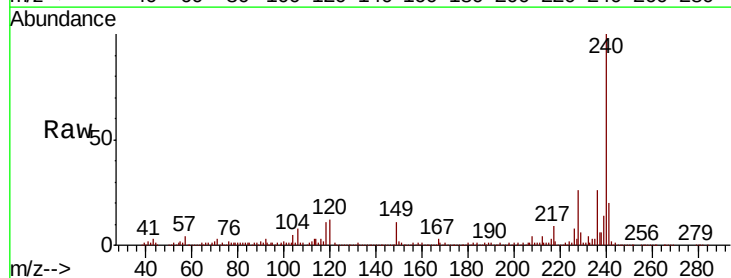
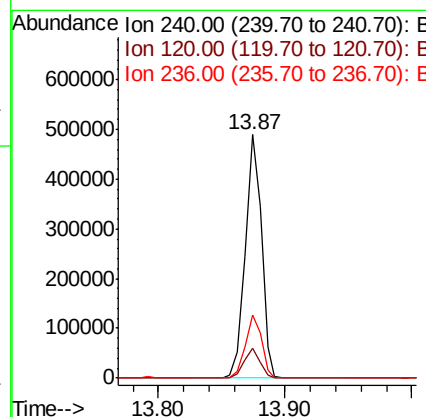
RT: 13.87 min Scan# 2004

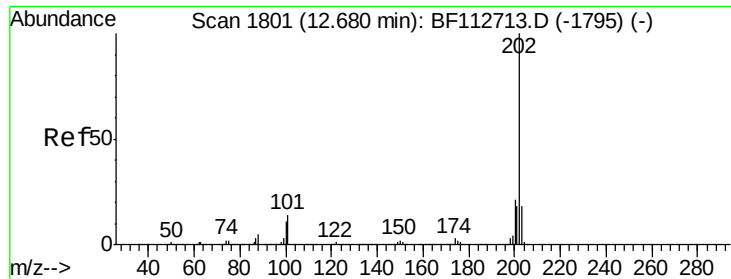
Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.2	8.9	13.3
236	25.9	20.7	31.1





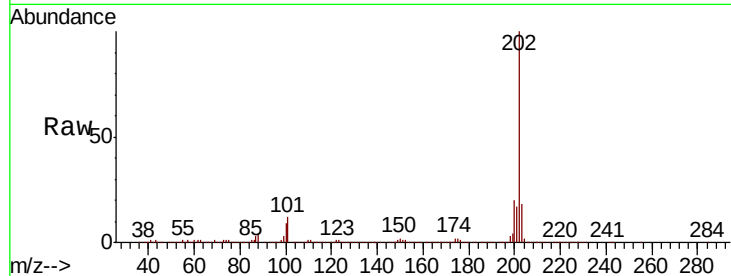
#78
Pvrene
Concen: 22.870 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampled :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.5	14.4	21.6

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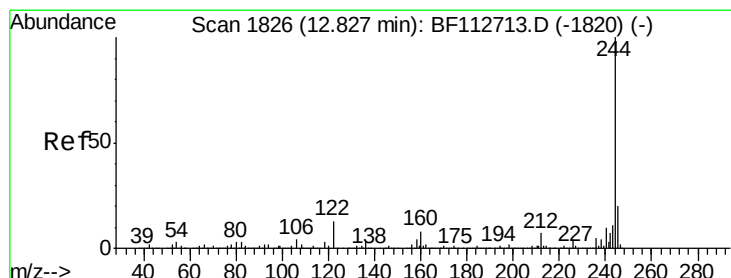
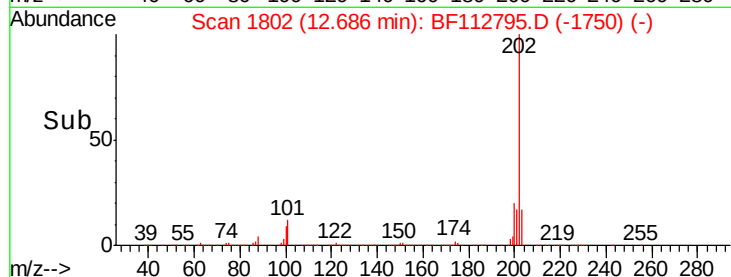
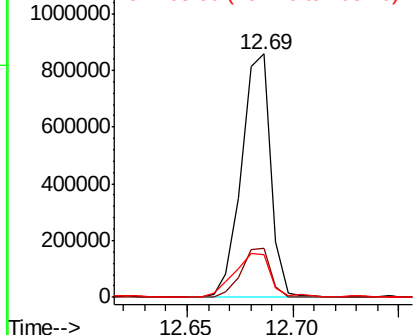


Abundance

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



#79
Terphenyl-d14
Concen: 47.464 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

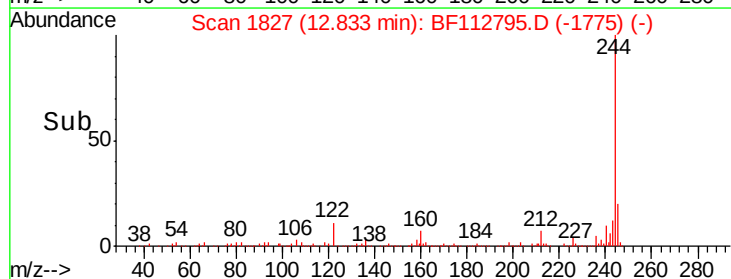
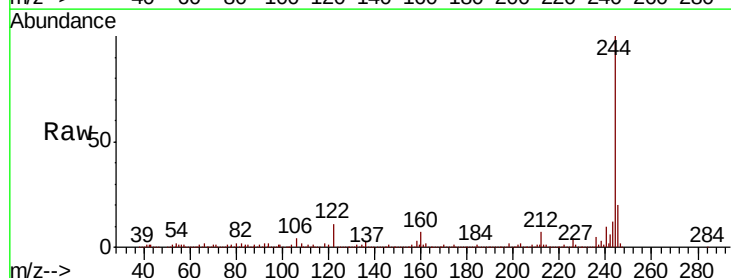
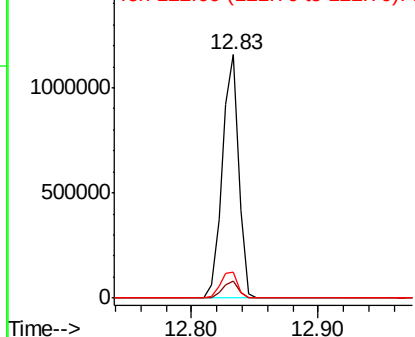
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	10.6	10.5	15.7

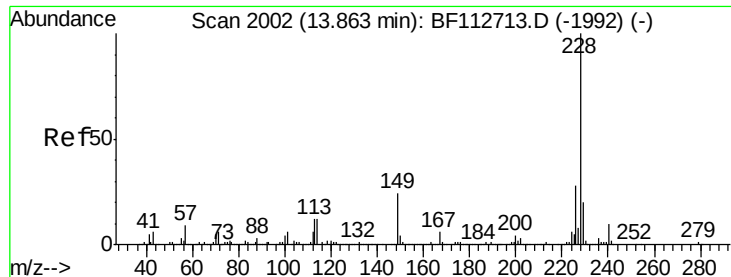
Abundance

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





#81

Benzo(a)anthracene

Concen: 15.176 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

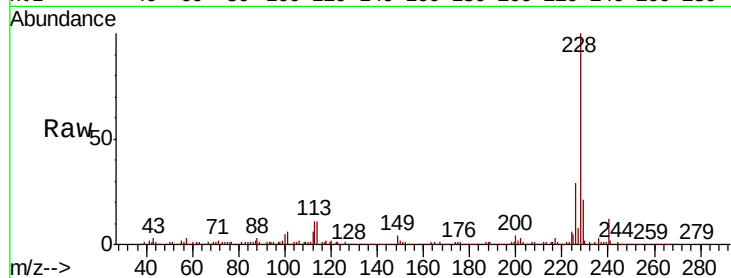
ClientSampled :

B-3(2.5-3.5)

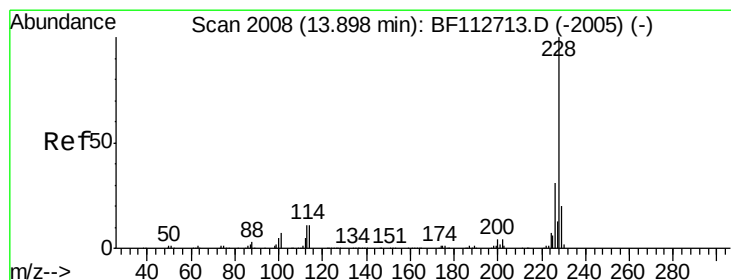
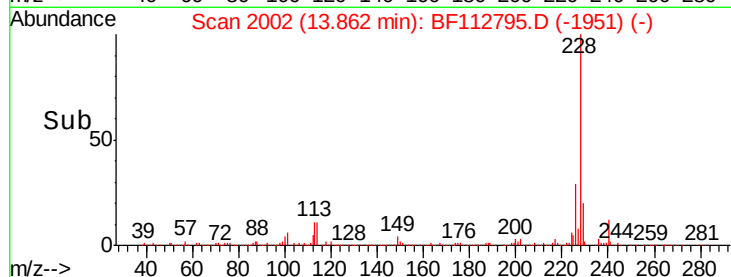
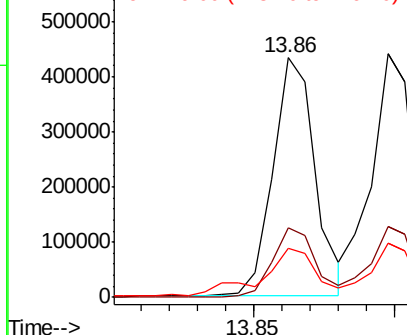
Tot Ion:	228	Resp:	448846
Ion Ratio		Lower	Upper
228	100		
226	29.0	22.2	33.4
229	20.6	16.0	24.0

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Abundance Ion 228.00 (227.70 to 228.70): E
600000 Ion 226.00 (225.70 to 226.70): E
500000 Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 15.109 ng

RT: 13.90 min Scan# 2008

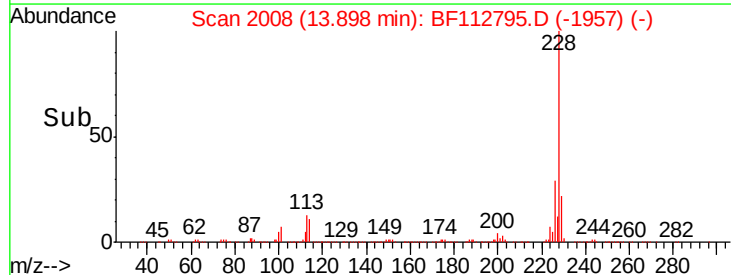
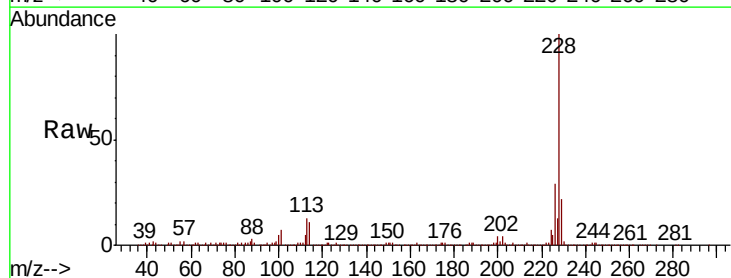
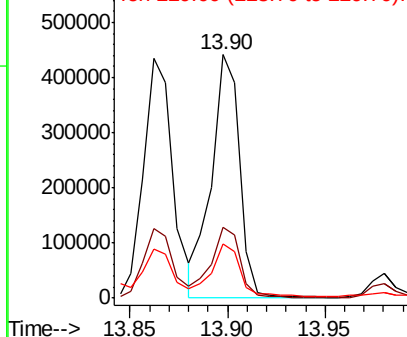
Delta R.T. -0.00 min

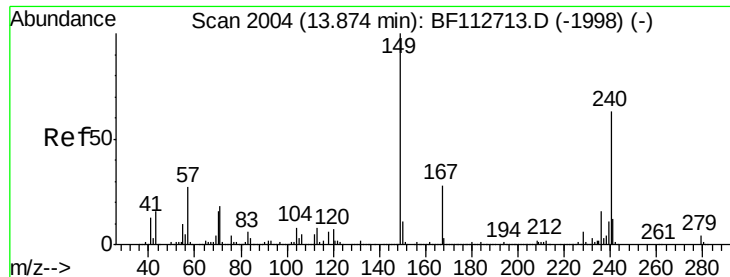
Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Tgt Ion:	228	Resp:	437701
Ion Ratio		Lower	Upper
228	100		
226	29.1	24.9	37.3
229	22.2	16.3	24.5

Abundance Ion 228.00 (227.70 to 228.70): E
600000 Ion 226.00 (225.70 to 226.70): E
500000 Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.027 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

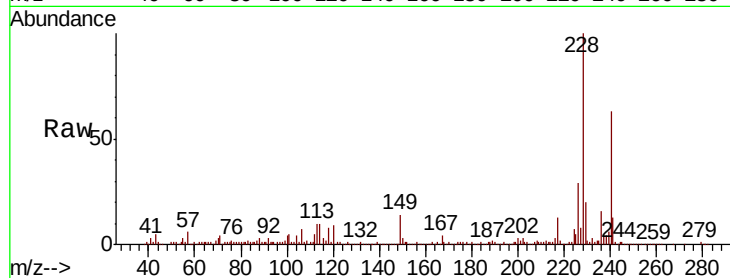
ClientSampled :

B-3(2.5-3.5)

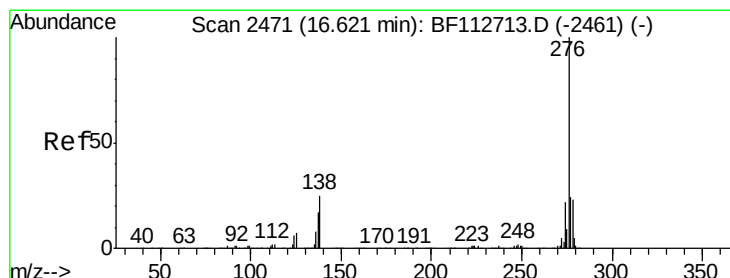
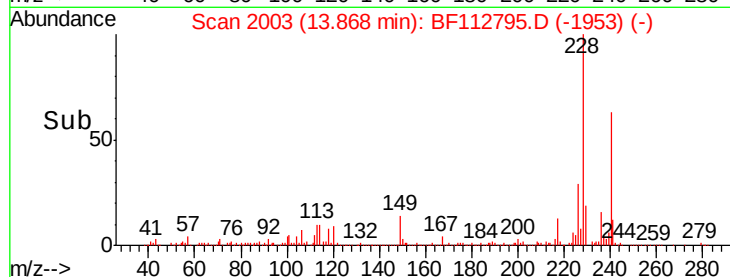
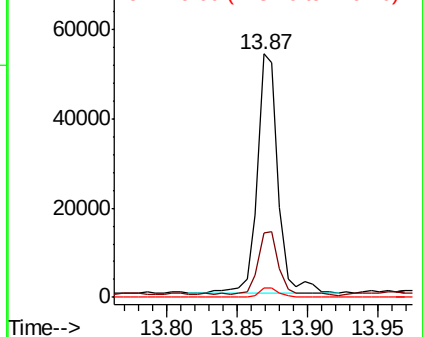
Tot Ion:	149	Resp:	56379
Ion Ratio	Lower	Upper	
149	100		
167	26.3	22.4	33.6
279	3.6	3.3	4.9

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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



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.720 ng m

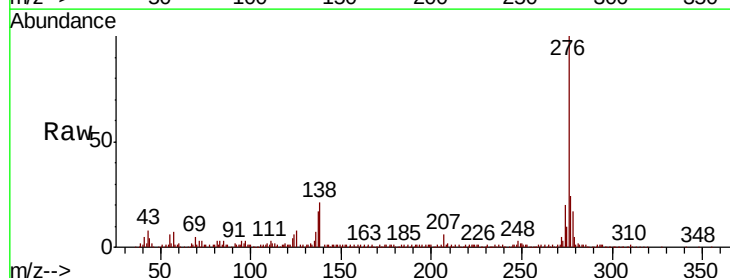
RT: 16.64 min Scan# 2474

Delta R.T. 0.02 min

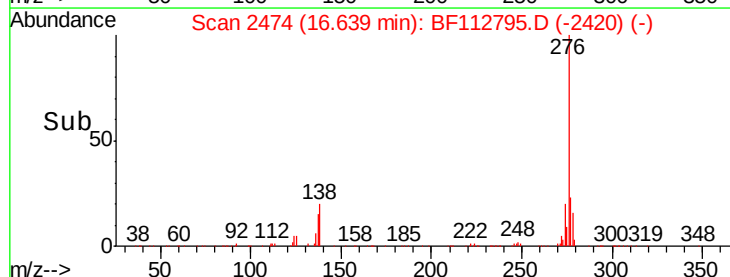
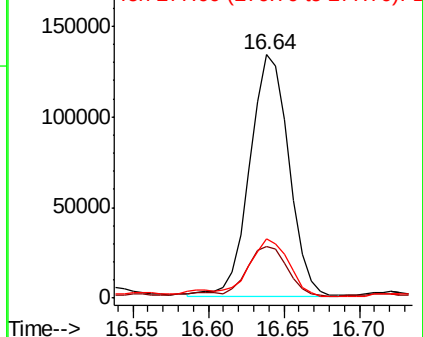
Lab File: BF112795.D

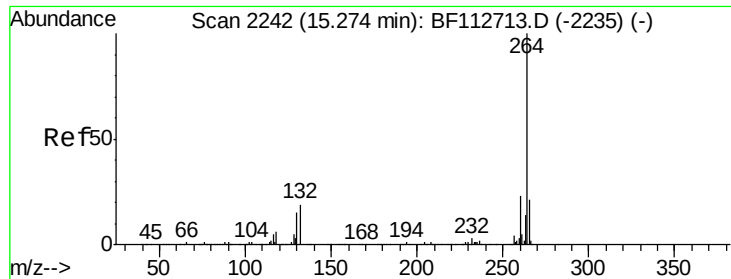
Acq: 1 Mar 2019 13:10

Tgt Ion:	276	Resp:	240052
Ion Ratio	Lower	Upper	
276	100		
138	4.6	23.2	34.8#
277	4.7	19.9	29.9#



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF112795.D

Acq: 1 Mar 2019 13:10

Instrument :

BNA_F

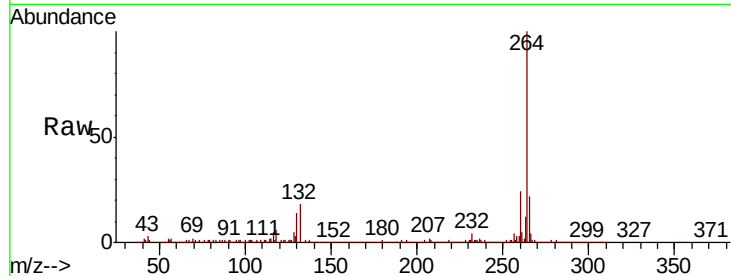
ClientSampled :

B-3(2.5-3.5)

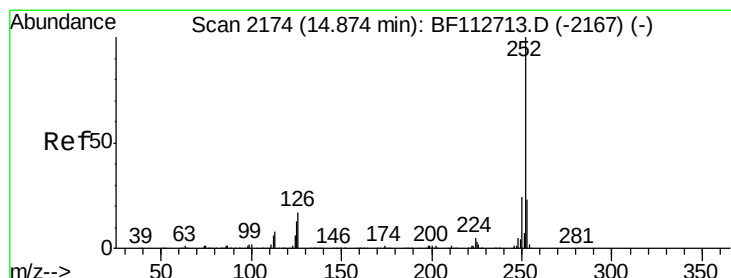
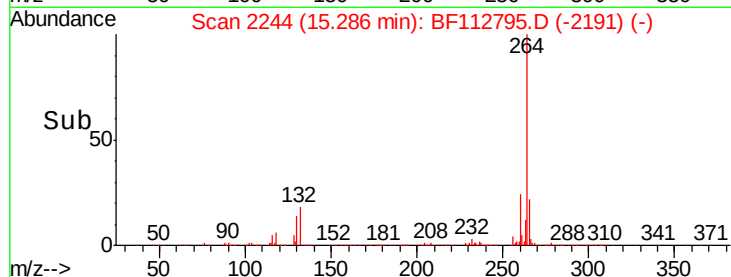
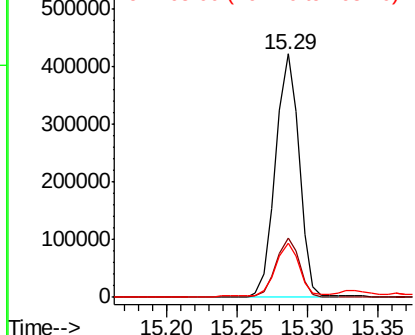
Tot Ion:	264	Resp:	495395
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.7	28.1
265	22.3	17.2	25.8

Manual Integrations
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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: 17.814 ng m

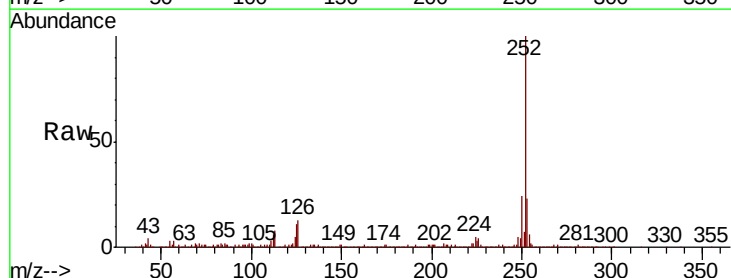
RT: 14.89 min Scan# 2176

Delta R.T. 0.01 min

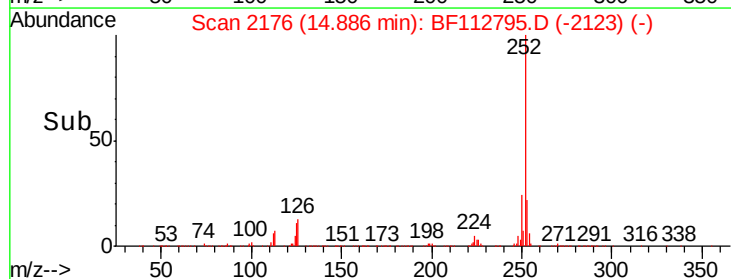
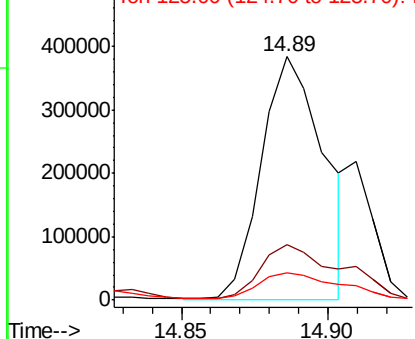
Lab File: BF112795.D

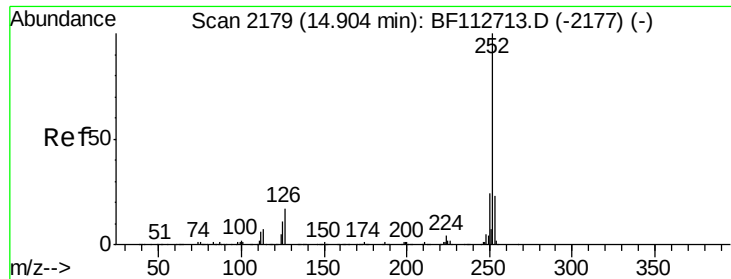
Acq: 1 Mar 2019 13:10

Tgt Ion:	252	Resp:	570817
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.0	27.0
125	11.5	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





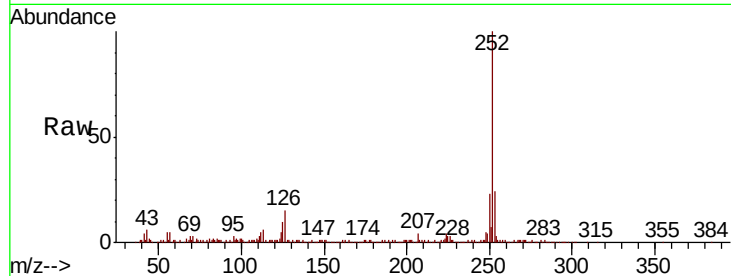
#89
Benzo(k)fluoranthene
Concen: 4.668 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.3	9.8	14.6

Manual Integrations
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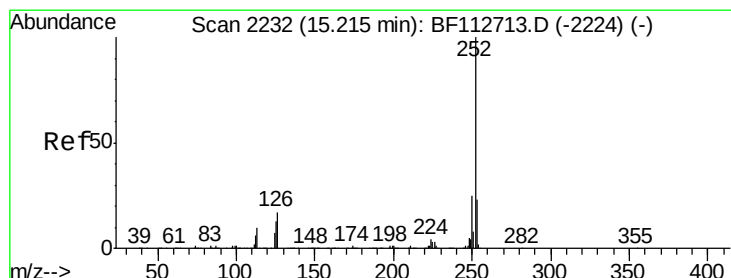
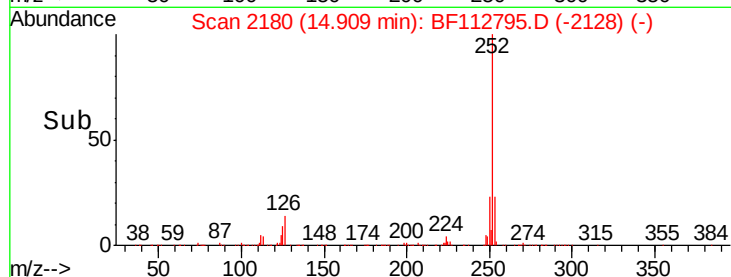
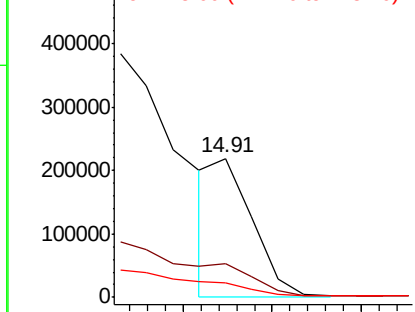


Abundance

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: 14.359 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

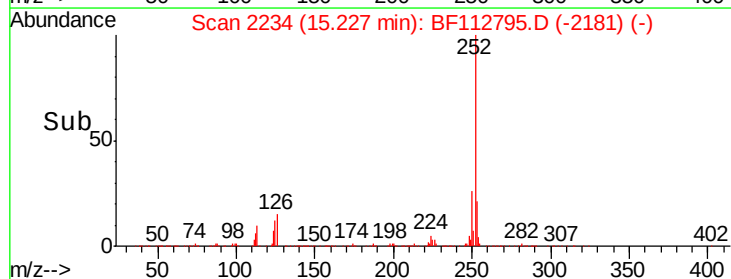
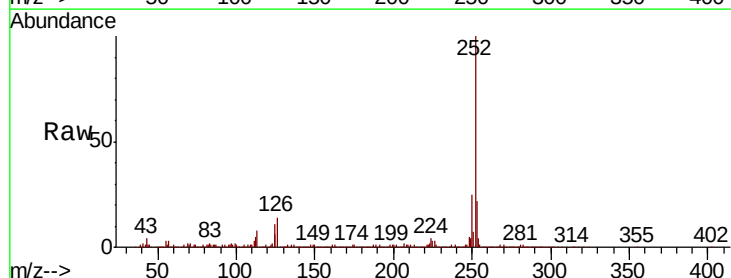
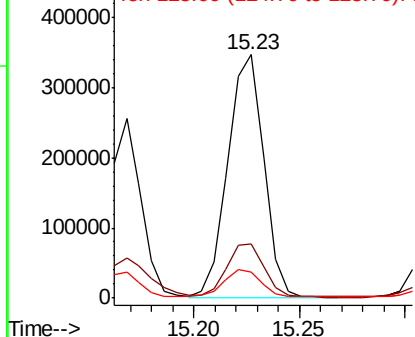
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.9	10.7	16.1

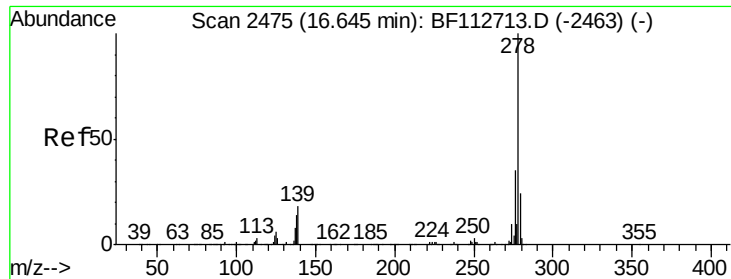
Abundance

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





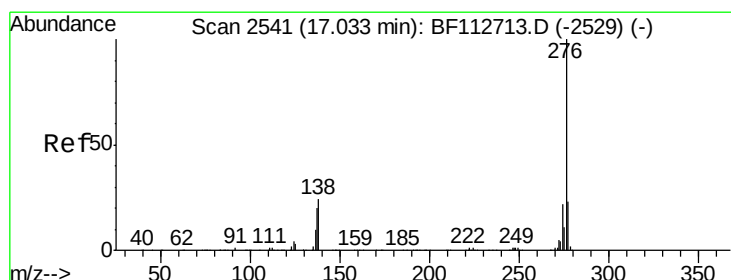
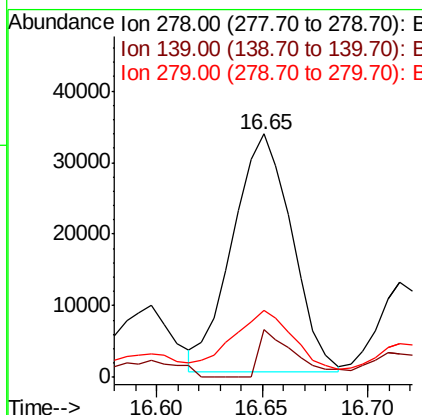
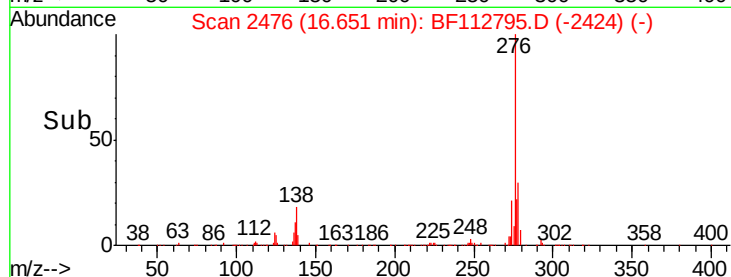
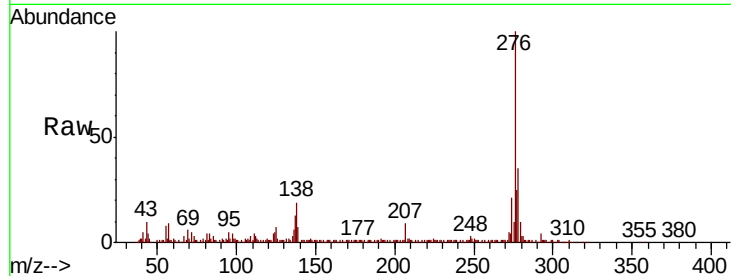
#91
Dibenzo(a,h)anthracene
Concen: 2.679 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Instrument :
BNA_F
ClientSampleId :
B-3(2.5-3.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.8	14.3	21.5
279	27.5	19.4	29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.802 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF112795.D
Acq: 1 Mar 2019 13:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	27.8
138	22.7	19.4	29.0

