

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117749.D
 Acq On : 8 Nov 2019 23:25
 Operator : JU
 Sample : K5668-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-110619

Manual Integrations
 APPROVED

mohammad
 11/11/2019 8:06:39 AM

Quant Time: Nov 11 01:20:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	368731	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1446158	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	779329	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1376624	20.00	ng	0.00
76) Chrysene-d12	14.12	240	777401	20.00	ng	-0.01
87) Perylene-d12	15.63	264	874745	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1056415	51.86	ng	-0.01
7) Phenol-d6	6.54	99	1353271	53.88	ng	-0.02
23) Nitrobenzene-d5	7.49	82	814229	33.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	384843	50.48	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1554969	39.37	ng	-0.01
79) Terphenyl-d14	13.06	244	1478890	39.16	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	62925	2.325	ng	95
50) Dimethylphthalate	9.69	163	190890	3.623	ng	98
71) Phenanthrene	11.49	178	283450	4.296	ng	94
75) Fluoranthene	12.69	202	549093	8.150	ng	93
78) Pyrene	12.92	202	497496	8.767	ng	96
81) Benzo(a)anthracene	14.10	228	294589	6.088	ng	99
83) Chrysene	14.14	228	231140	4.837	ng	98
86) Indeno(1,2,3-cd)pyrene	17.15	276	124003	2.788	ng	98
88) Benzo(b)fluoranthene	15.17	252	325896m	5.915	ng	
89) Benzo(k)fluoranthene	15.20	252	120710m	2.457	ng	
90) Benzo(a)pyrene	15.56	252	237777	4.979	ng	96
92) Benzo(a,h,i)perylene	17.62	276	110564	2.664	ng	98

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

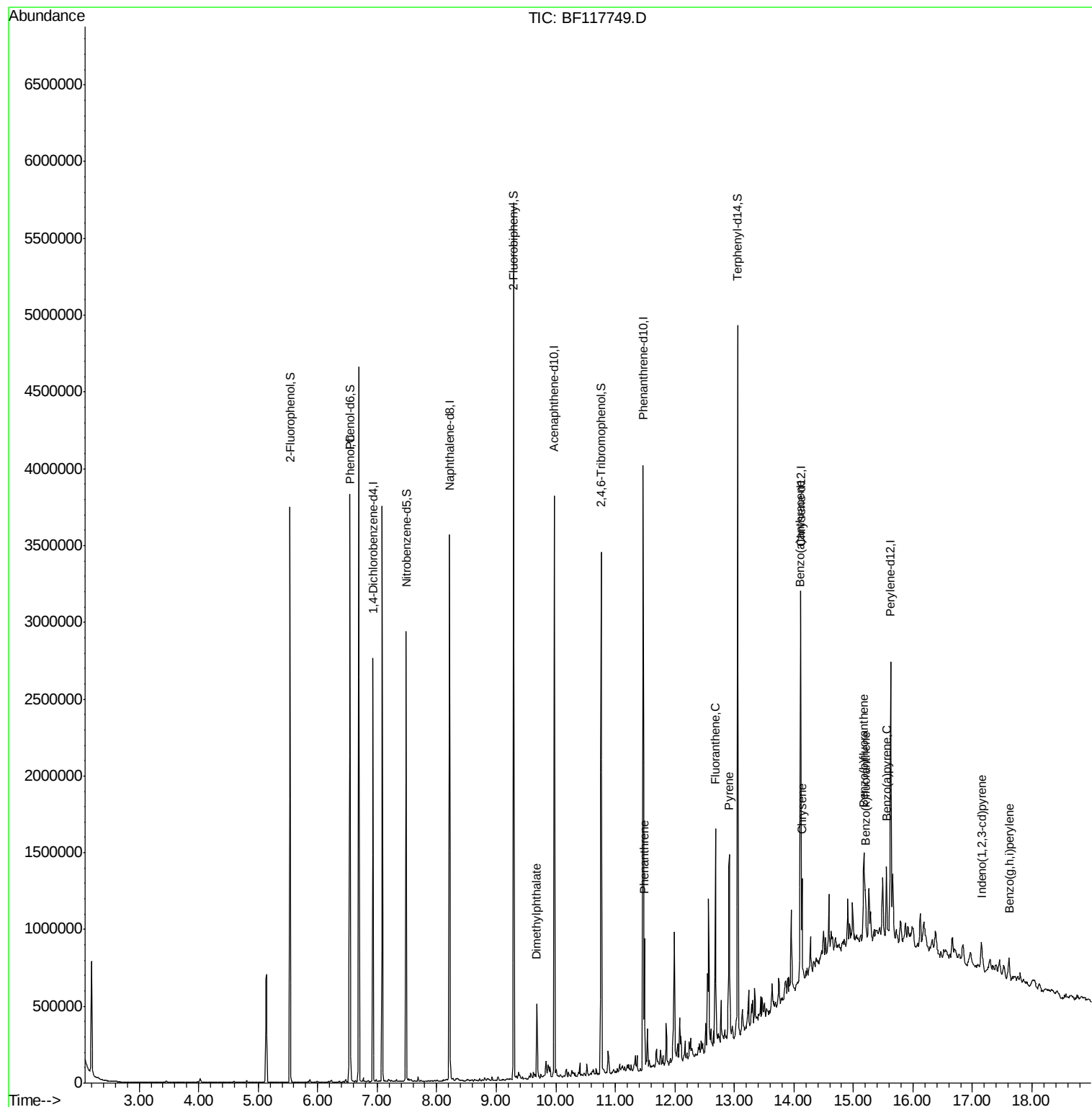
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
Data File : BF117749.D
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ALS Vial : 22 Sample Multiplier: 1

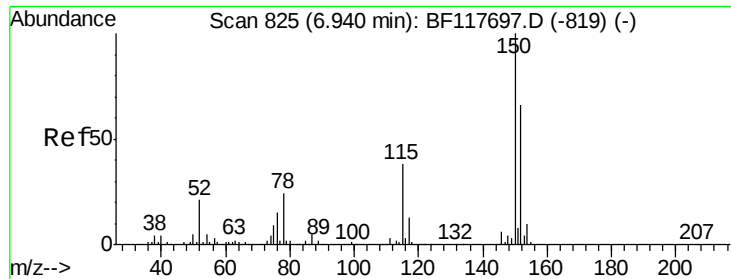
Instrument :
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#1

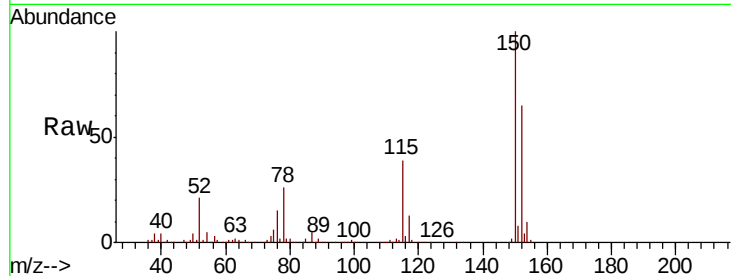
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	121.4	182.2
115	60.6	46.7	70.1

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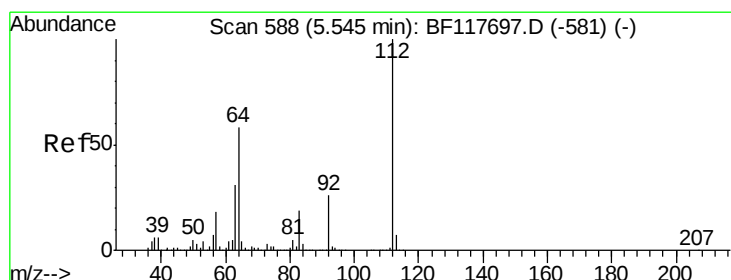
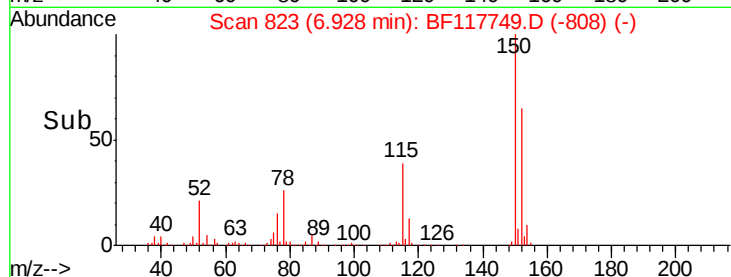
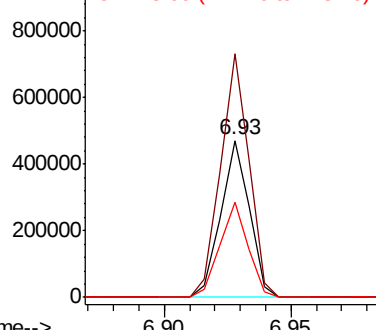


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

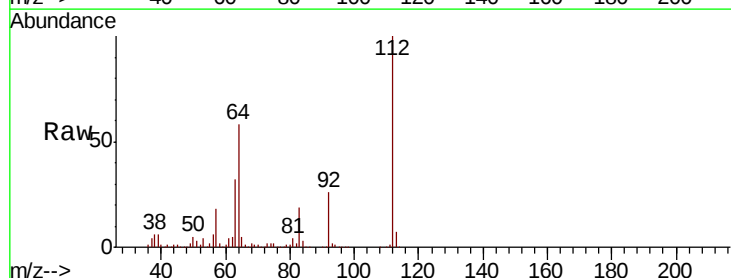
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.861 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.4	69.6
63	31.5	24.6	37.0

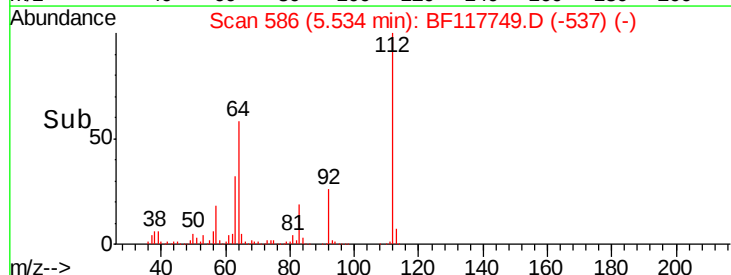
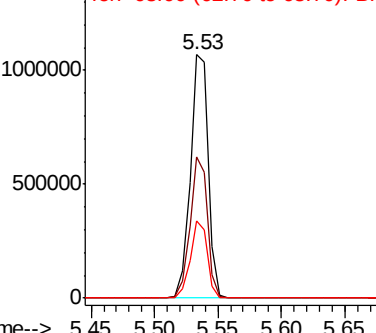


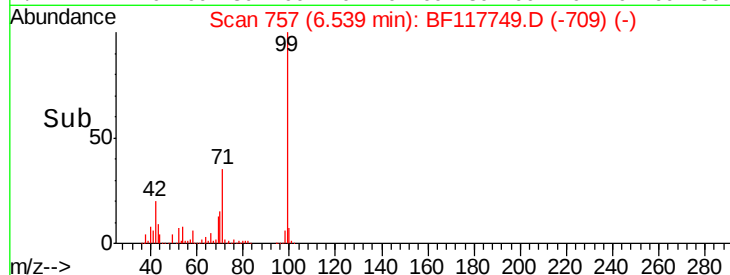
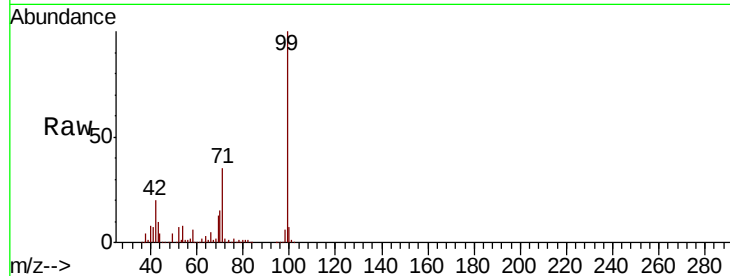
Abundance

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: 53.879 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

Tot Ion: 99 Resp: 1353271

Ion Ratio Lower Upper

99 100

42 19.6 15.3 22.9

71 35.1 26.8 40.2

Instrument :

BNA_F

ClientSampleId :

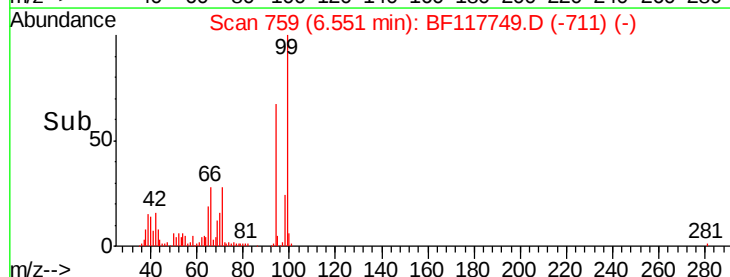
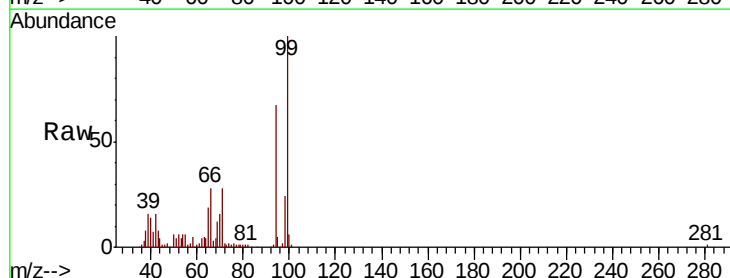
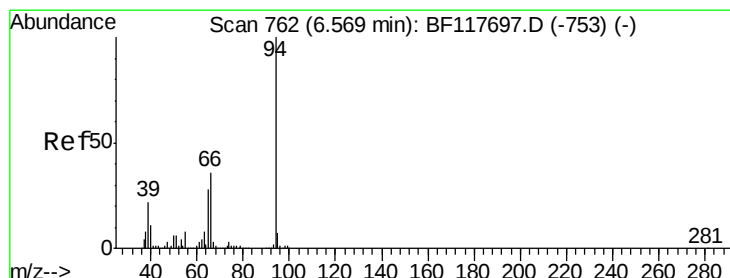
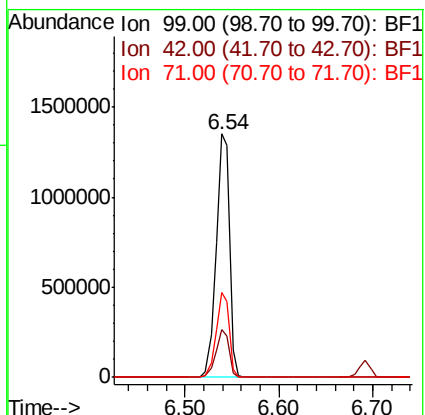
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#10

Phenol

Concen: 2.325 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

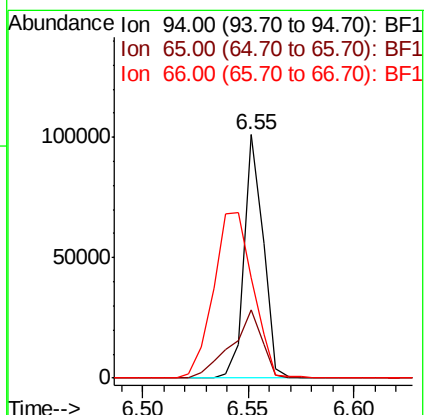
Tgt Ion: 94 Resp: 62925

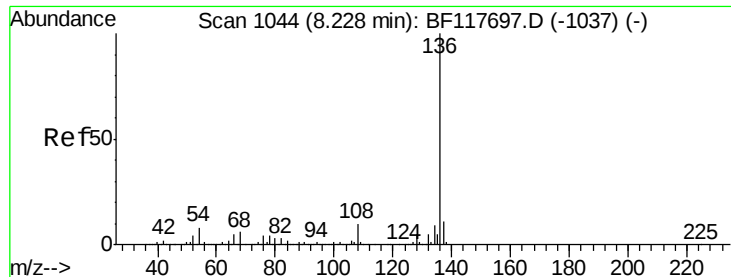
Ion Ratio Lower Upper

94 100

65 28.0 7.6 47.6

66 41.2 16.1 56.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

Instrument :

BNA_F

ClientSampleId :

HD-01-110619

Tot Ion:136 Resp: 1446158

Ion Ratio Lower Upper

136 100

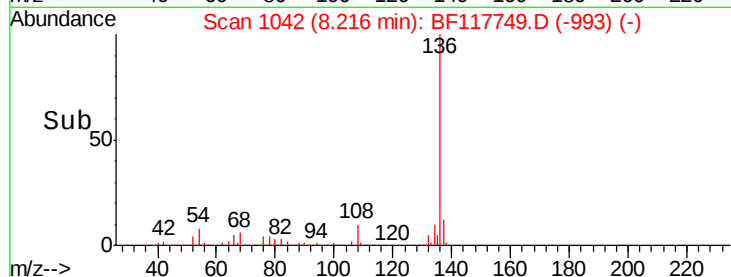
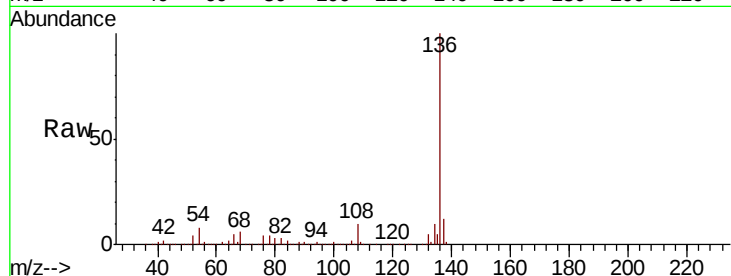
137 11.6 8.8 13.2

54 7.8 6.0 9.0

68 5.9 4.8 7.2

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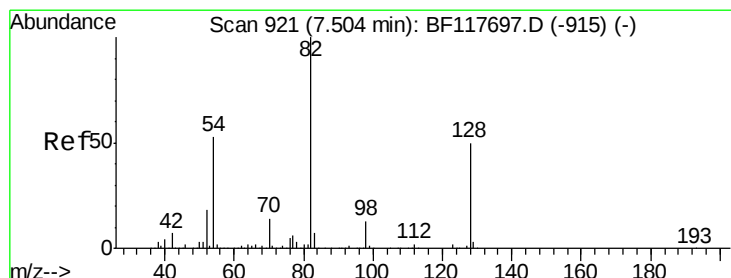
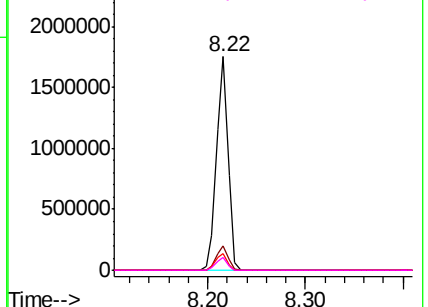


Abundance Ion 136.00 (135.70 to 136.70): E

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: 33.241 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.02 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

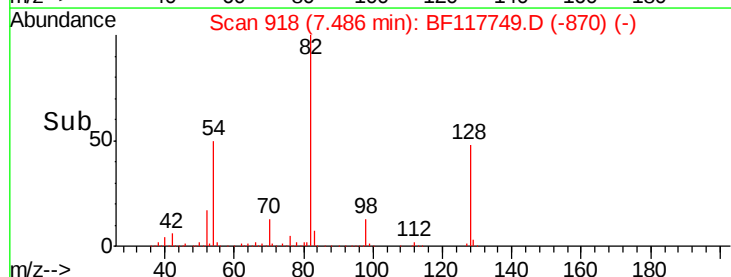
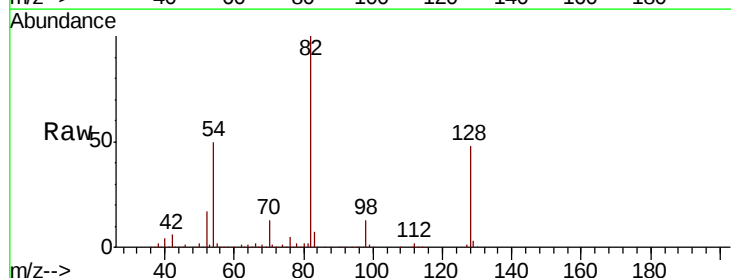
Tgt Ion: 82 Resp: 814229

Ion Ratio Lower Upper

82 100

128 47.6 40.2 60.2

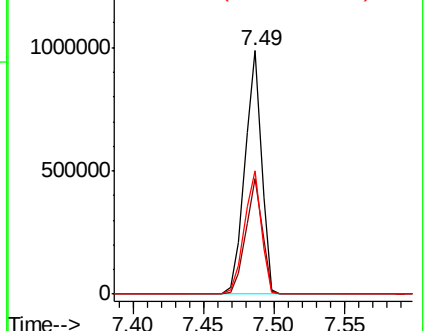
54 50.4 42.0 63.0

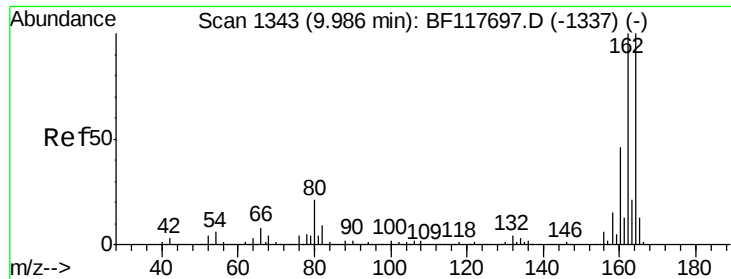


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





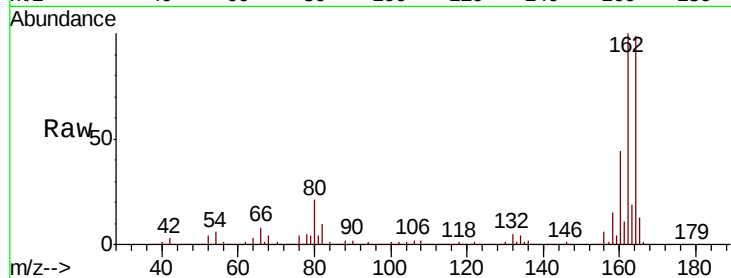
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

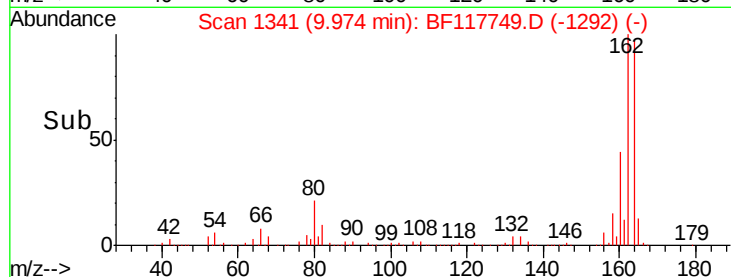
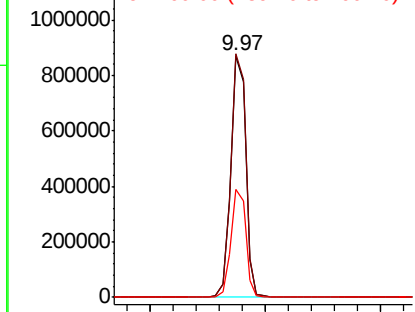
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	79.7	119.5
160	44.6	36.5	54.7

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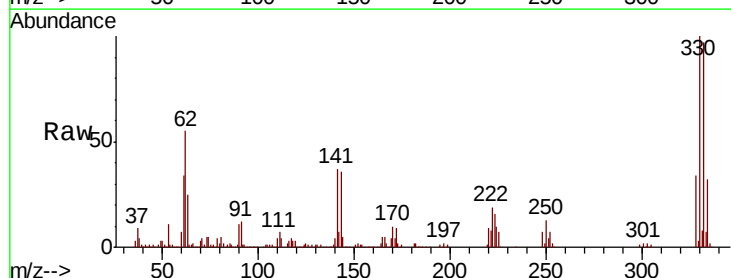
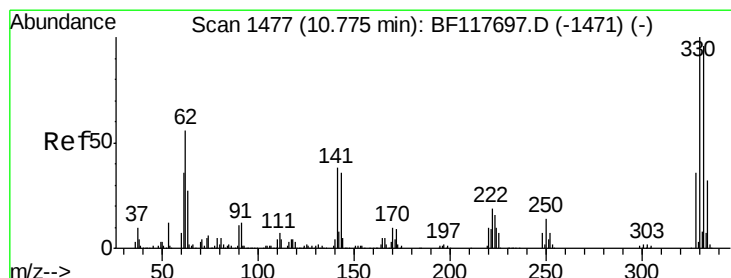
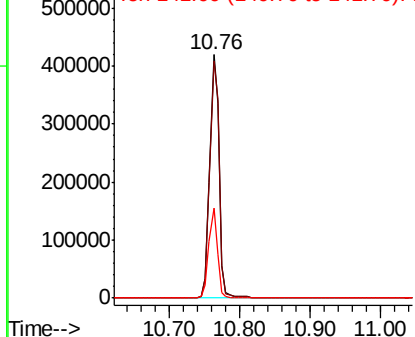
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

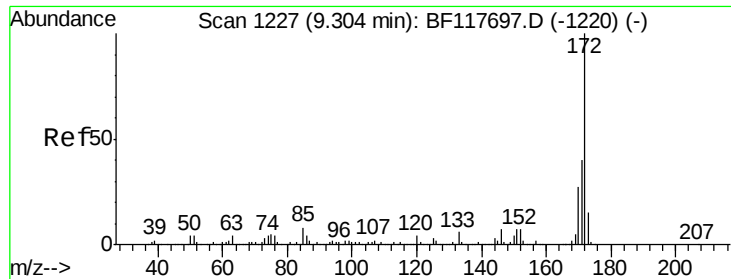


#42
2,4,6-Tribromophenol
Concen: 50.480 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.4	116.0
141	34.1	28.0	42.0

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





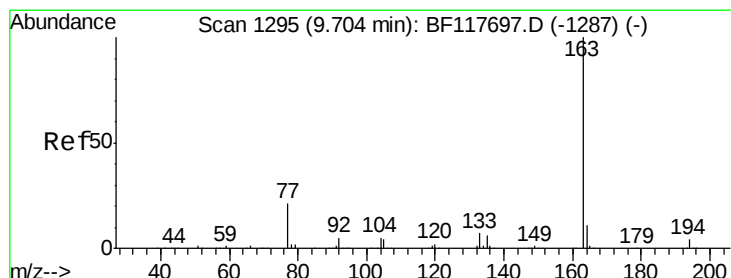
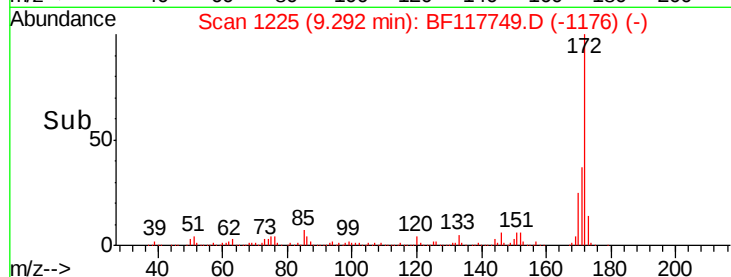
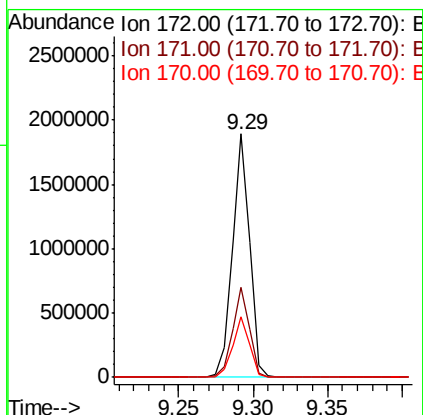
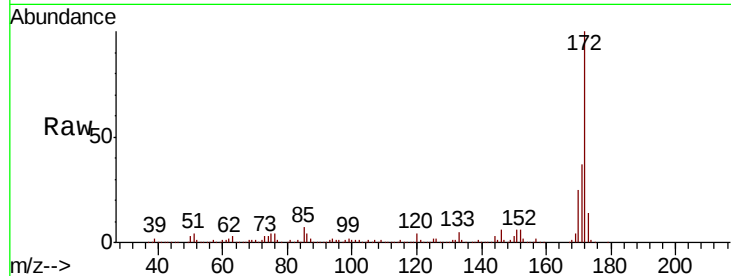
#45
2-Fluorobiphenyl
Concen: 39.367 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	31.8	47.8
170	24.9	21.6	32.4

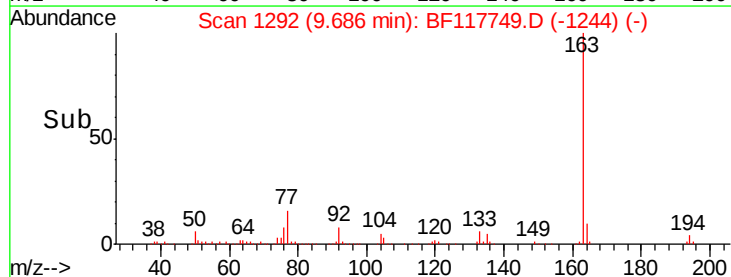
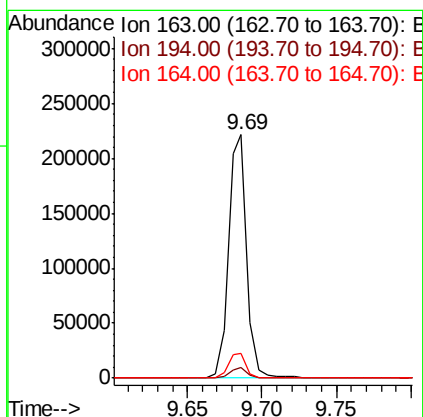
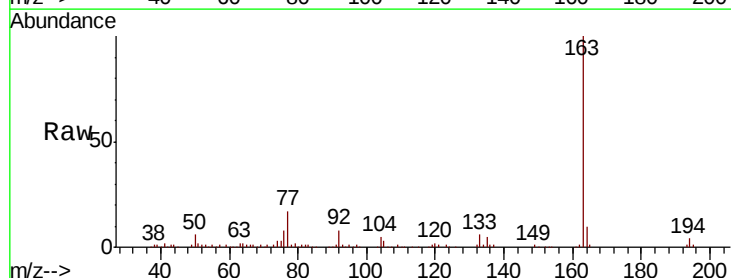
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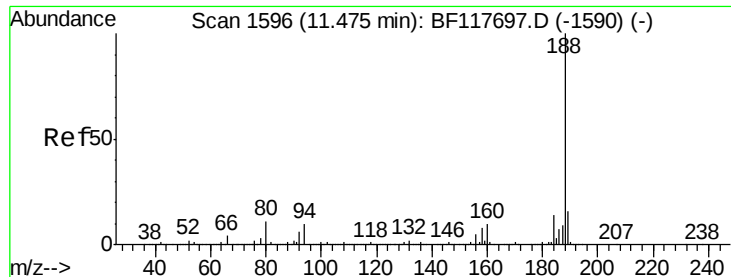
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#50
Dimethylphthalate
Concen: 3.623 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.0	8.9	13.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

Instrument :

BNA_F

ClientSampleId :

HD-01-110619

Tot Ion:188 Resp: 1376624

Ion Ratio Lower Upper

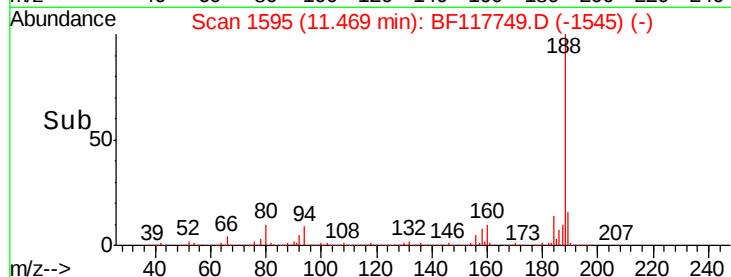
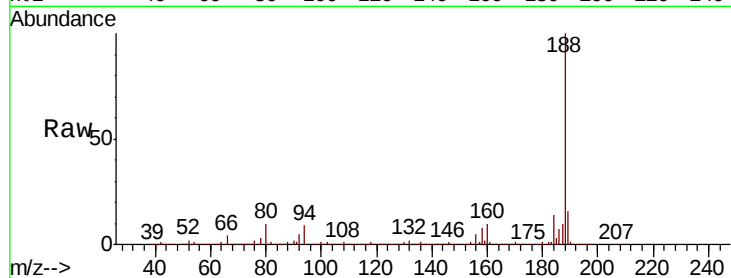
188 100

94 9.4 8.2 12.4

80 10.1 8.6 13.0

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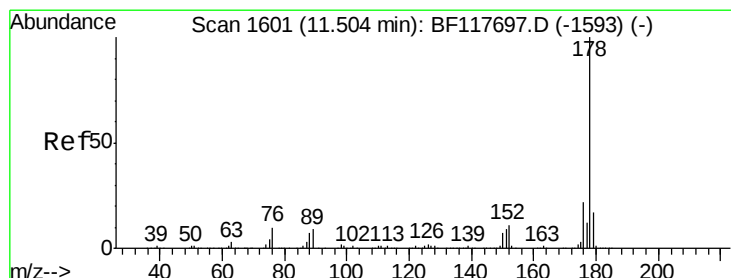
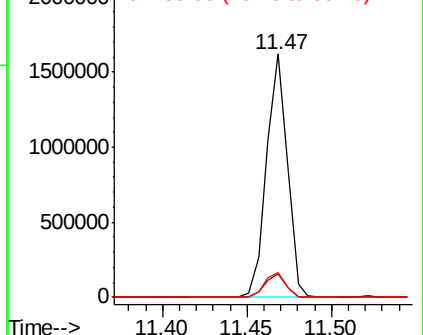
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.296 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

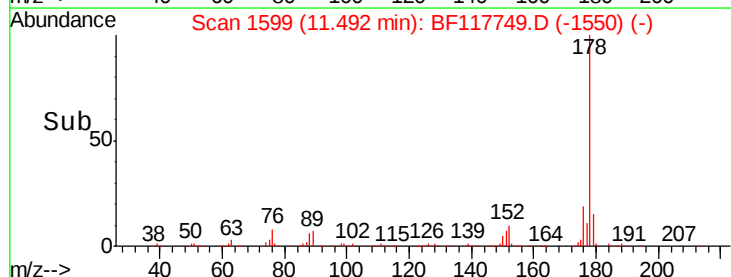
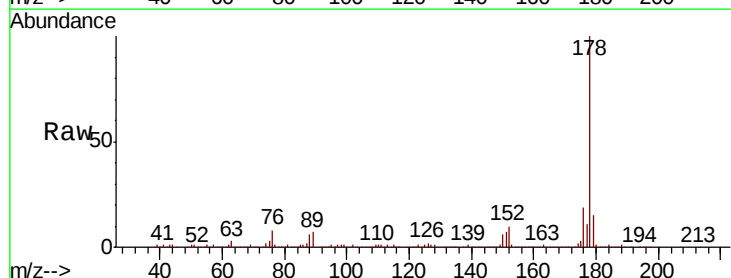
Tgt Ion:178 Resp: 283450

Ion Ratio Lower Upper

178 100

176 19.4 17.7 26.5

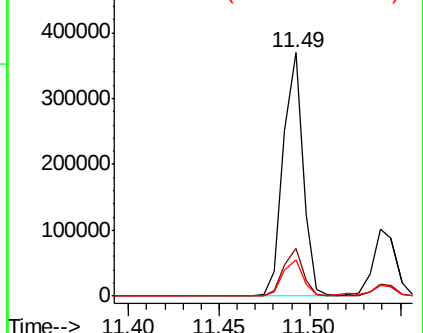
179 15.0 13.8 20.8

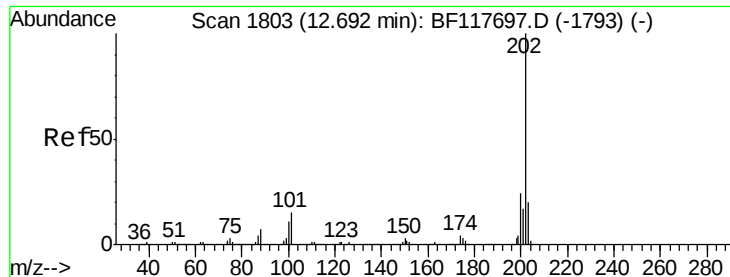


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.150 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

Instrument :

BNA_F

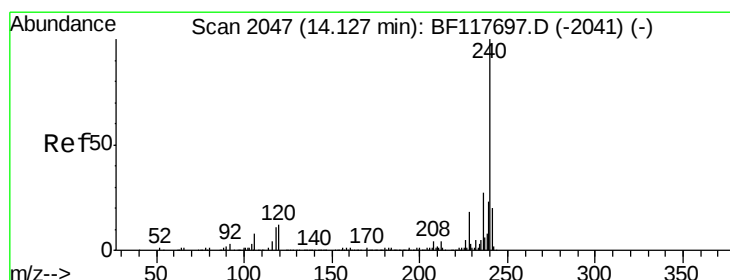
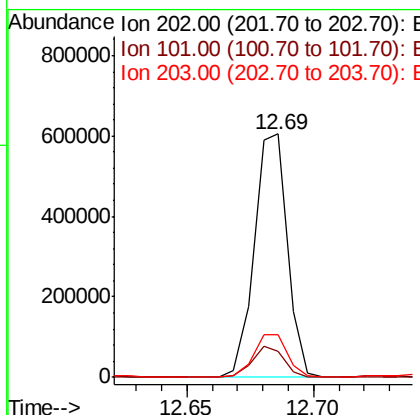
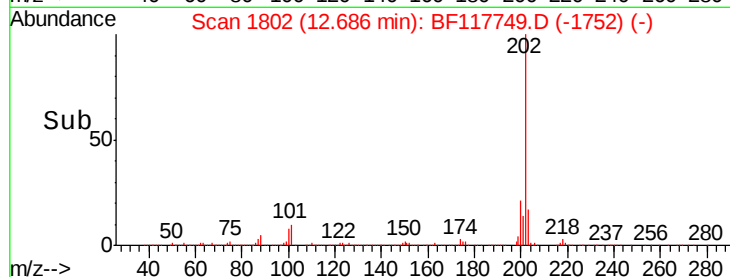
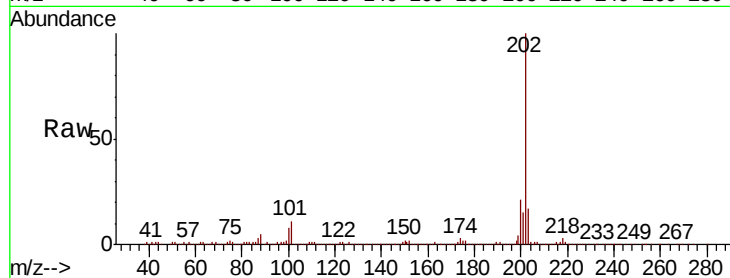
ClientSampleId :

HD-01-110619

Tot Ion:	202	Resp:	549093
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.5
203	17.4	0.0	39.8

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#76

Chrysene-d12

Concen: 20.000 ng

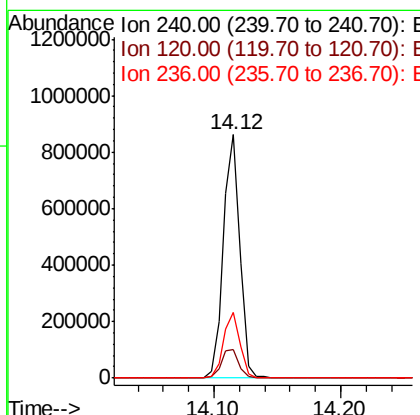
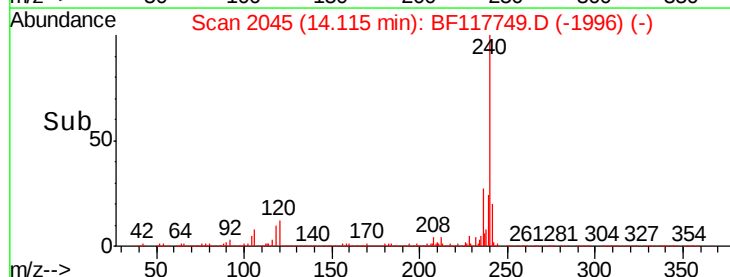
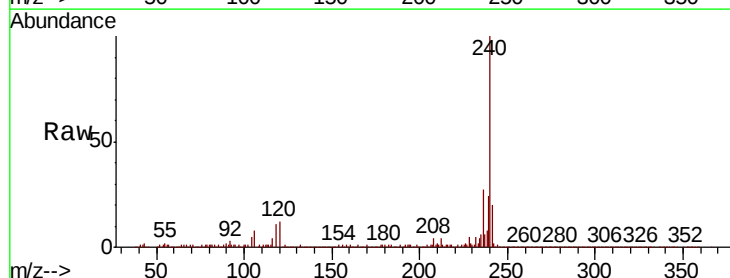
RT: 14.12 min Scan# 2045

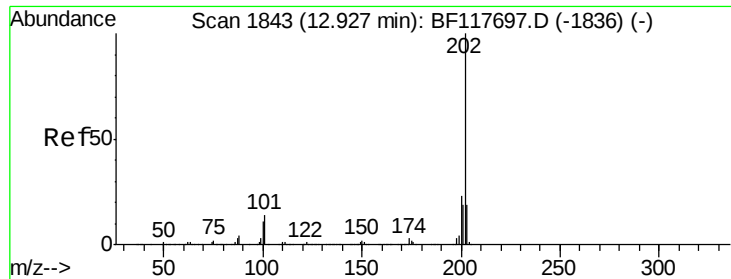
Delta R.T. -0.01 min

Lab File: BF117749.D

Acq: 8 Nov 2019 23:25

Tgt Ion:	240	Resp:	777401
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.7	14.5
236	27.0	21.9	32.9





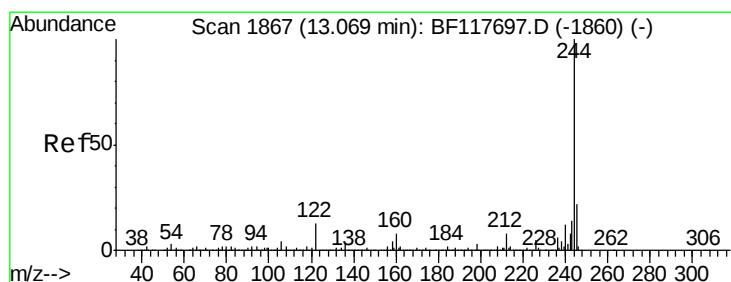
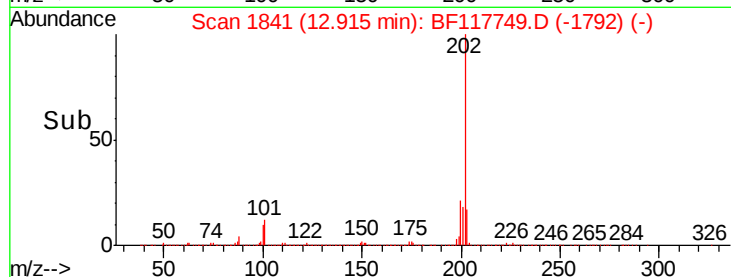
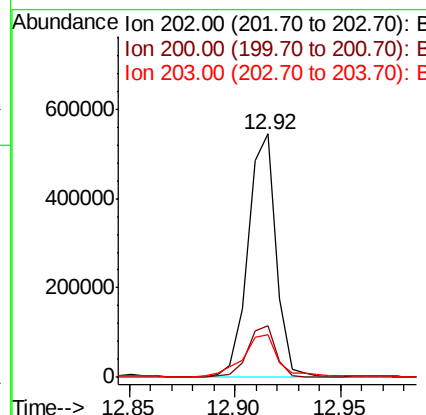
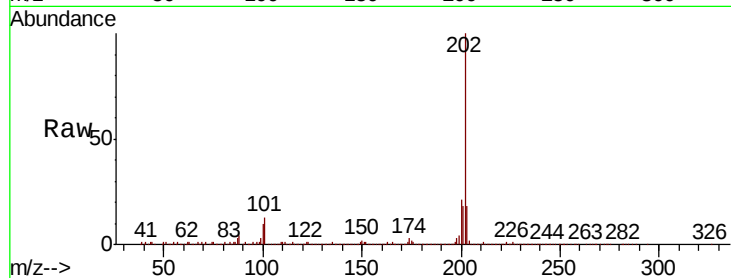
#78
Pvrene
Concen: 8.767 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.8	28.2
203	17.5	15.2	22.8

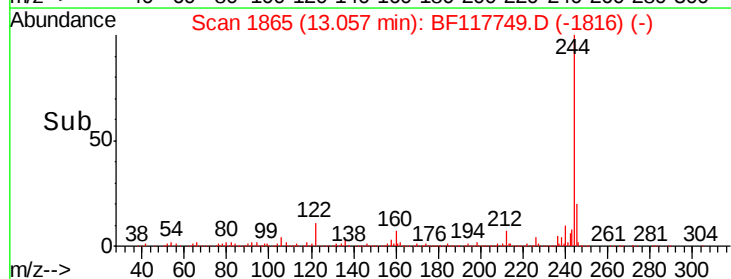
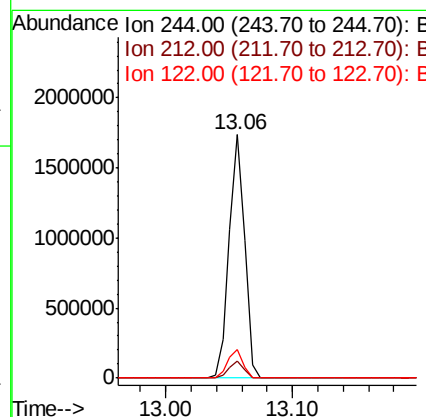
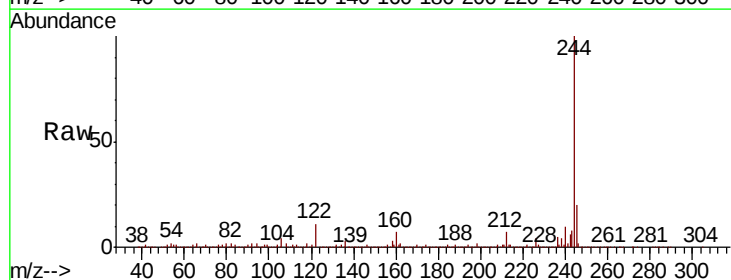
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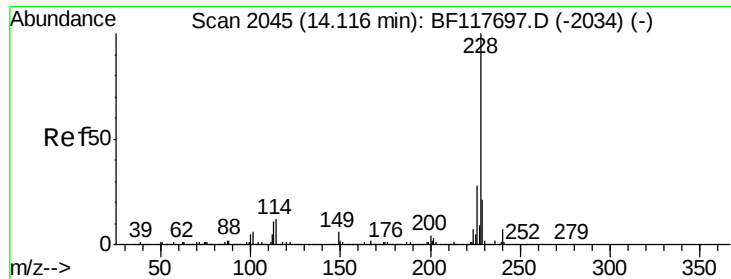
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#79
Terphenyl-d14
Concen: 39.162 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.4	9.6
122	11.5	10.0	15.0





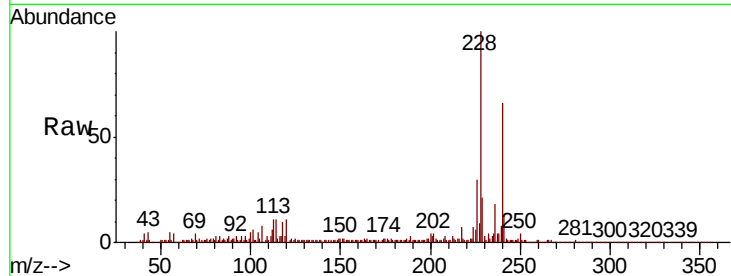
#81
Benzo(a)anthracene
Concen: 6.088 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.8	34.2
229	21.1	16.9	25.3

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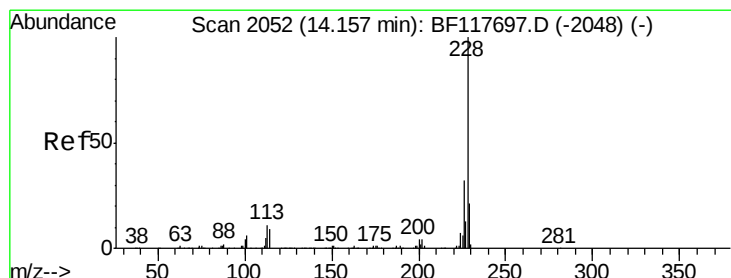
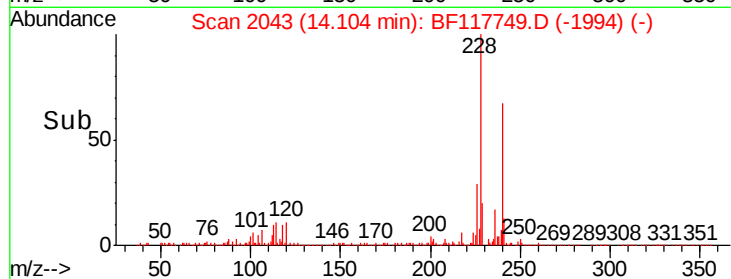
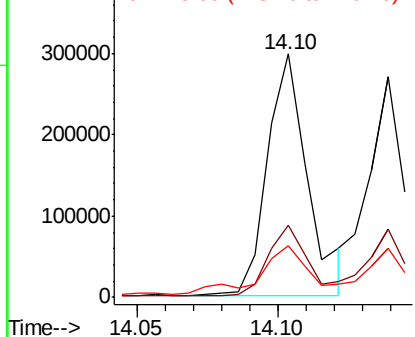


Abundance

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: 4.837 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

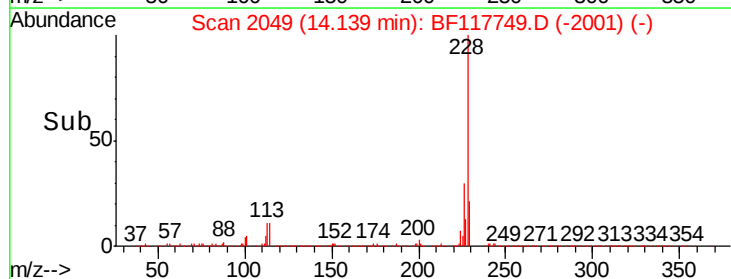
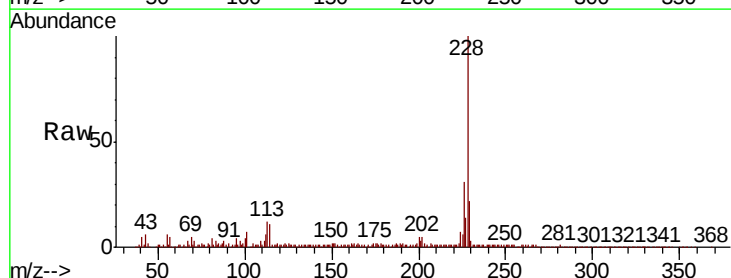
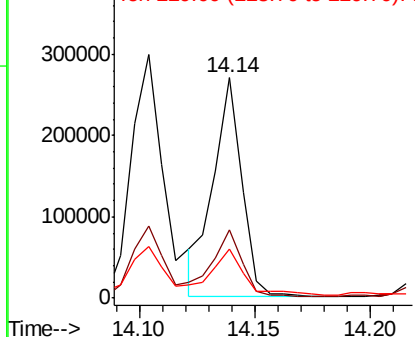
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	22.4	16.6	24.8

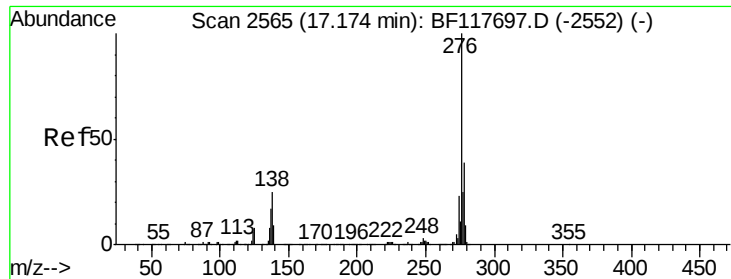
Abundance

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





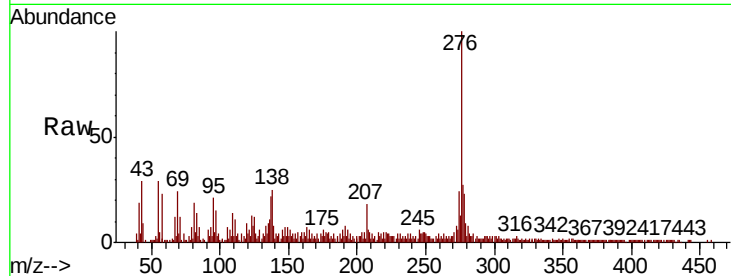
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.788 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	22.4	33.6
277	25.0	20.6	30.8

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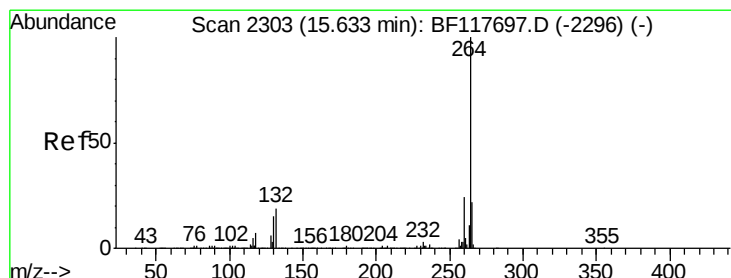
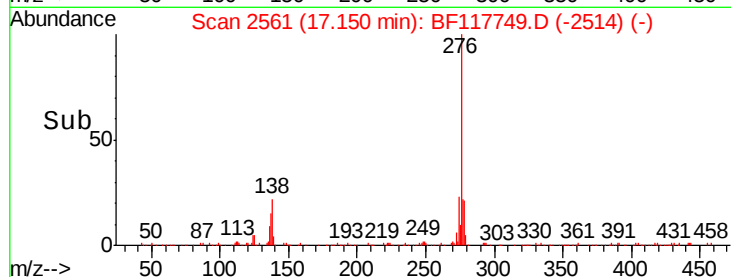
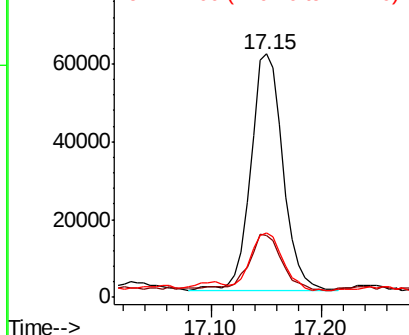


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

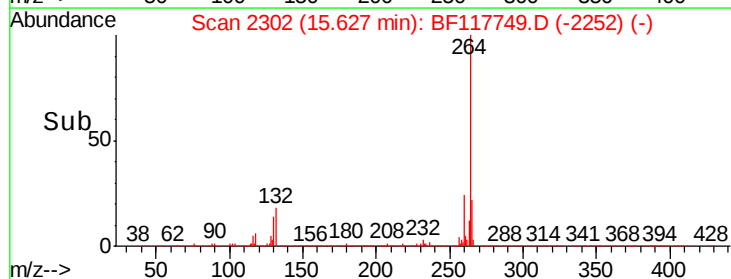
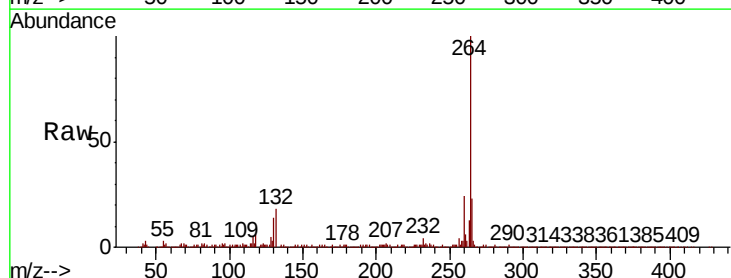
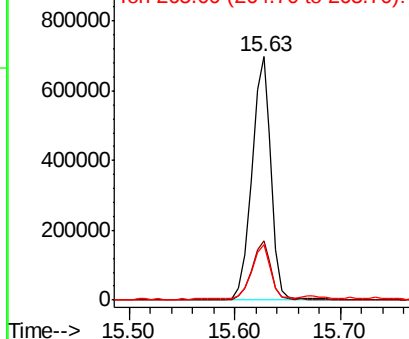
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.6	17.7	26.5

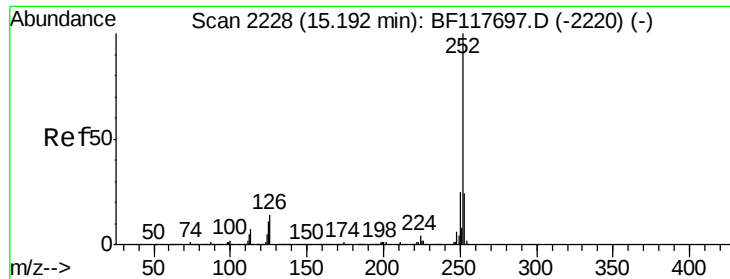
Abundance

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





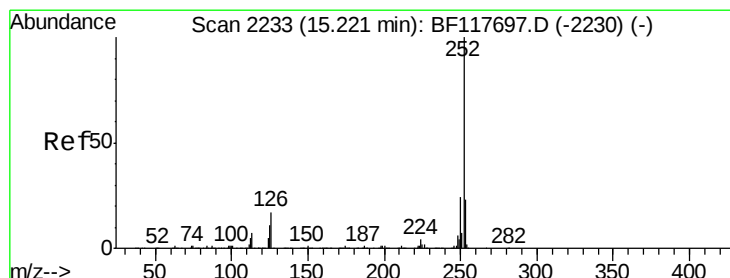
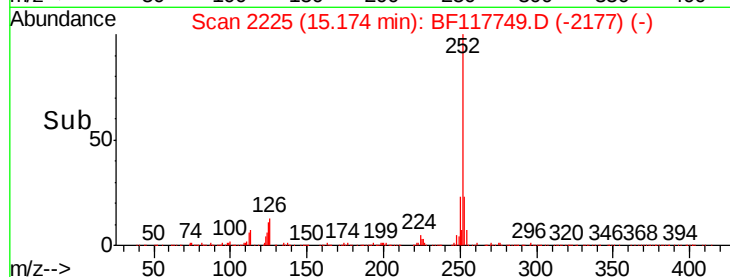
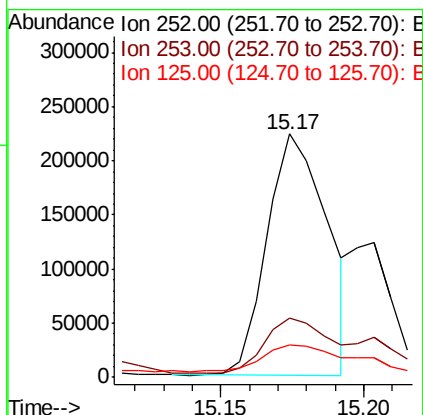
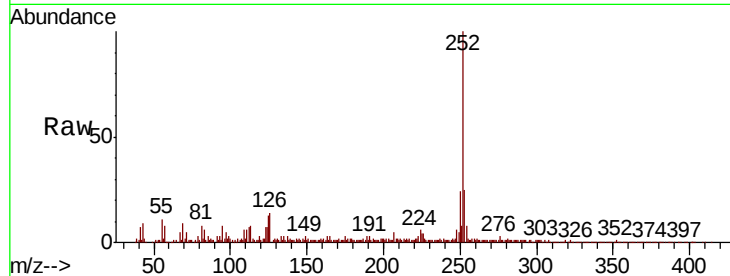
#88
Benzo(b)fluoranthene
Concen: 5.915 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.9	28.3
125	13.2	8.5	12.7

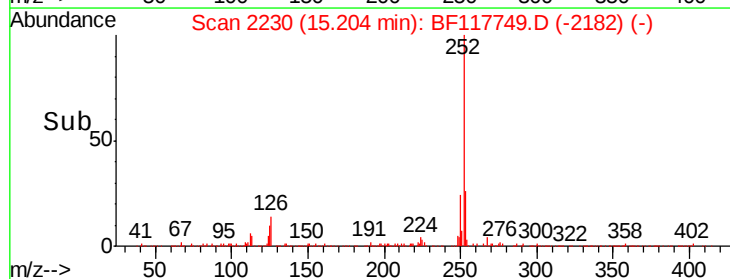
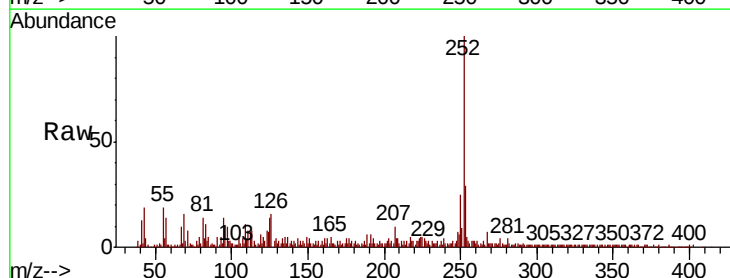
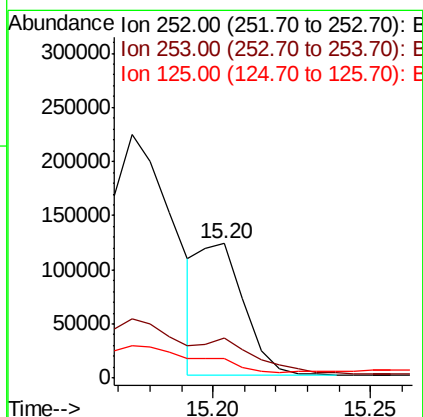
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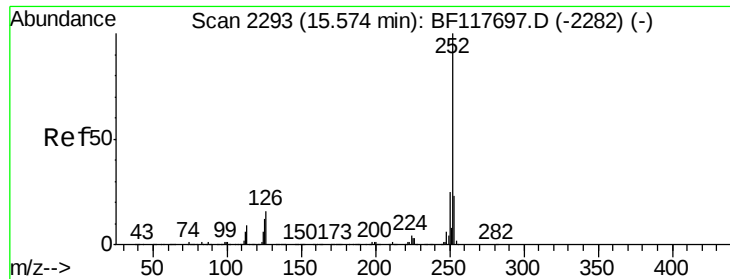
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#89
Benzo(k)fluoranthene
Concen: 2.457 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.9	26.9
125	14.3	9.1	13.7





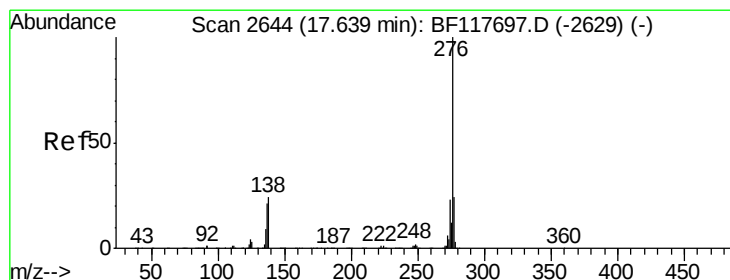
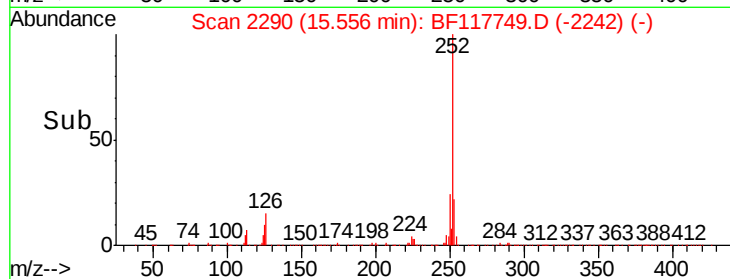
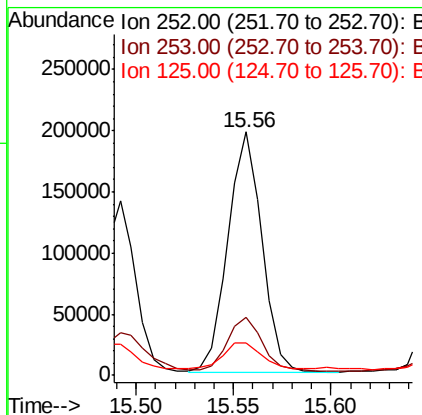
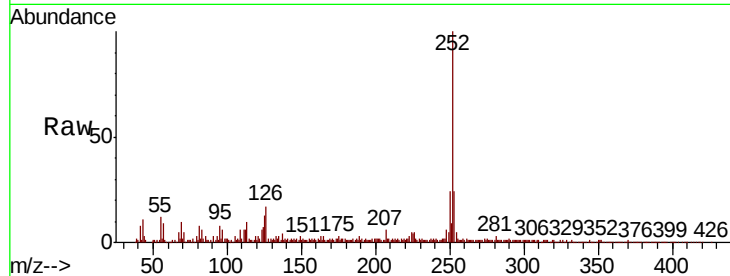
#90
Benzo(a)pyrene
Concen: 4.979 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Instrument :
BNA_F
ClientSampleId :
HD-01-110619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	13.5	9.5	14.3

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#92
Benzo(g,h,i)perylene
Concen: 2.664 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117749.D
Acq: 8 Nov 2019 23:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	19.4	29.0
138	24.1	19.2	28.8

