

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110819\
 Data File : BF117743.D
 Acq On : 8 Nov 2019 20:44
 Operator : JU
 Sample : K5722-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-C

Manual Integrations
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 11/11/2019 8:06:24 AM

Quant Time: Nov 09 03:03:46 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	341157	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1332639	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	718834	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1335591	20.00	ng	0.00
76) Chrysene-d12	14.12	240	774660	20.00	ng	-0.01
87) Perylene-d12	15.63	264	783251	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	2095815	111.20	ng	0.00
7) Phenol-d6	6.55	99	2669917	114.89	ng	0.00
23) Nitrobenzene-d5	7.49	82	1694561	75.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	821617	116.84	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2896345	79.50	ng	-0.01
79) Terphenyl-d14	13.06	244	3058986	81.29	ng	0.00
Target Compounds						
10) Phenol	6.56	94	91317	3.647	ng	Qvalue # 72
49) Acenaphthylene	9.83	152	125479	2.062	ng	96
50) Dimethylphthalate	9.69	163	384289	7.908	ng	97
71) Phenanthrene	11.49	178	505150	7.891	ng	95
72) Anthracene	11.54	178	144783	2.273	ng	96
75) Fluoranthene	12.69	202	1458842	22.318	ng	96
78) Pyrene	12.92	202	1345734	23.797	ng	97
81) Benzo(a)anthracene	14.10	228	524427	10.876	ng	95
83) Chrysene	14.14	228	691986m	14.532	ng	
86) Indeno(1,2,3-cd)pyrene	17.14	276	350258	7.903	ng	94
88) Benzo(b)fluoranthene	15.17	252	952885m	19.316	ng	
89) Benzo(k)fluoranthene	15.20	252	231780m	5.268	ng	
90) Benzo(a)pyrene	15.56	252	415432	9.715	ng	100
91) Dibenzo(a,h)anthracene	17.16	278	94183m	2.456	ng	
92) Benzo(a,h,i)perylene	17.61	276	314953	8.474	ng	98

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



#1

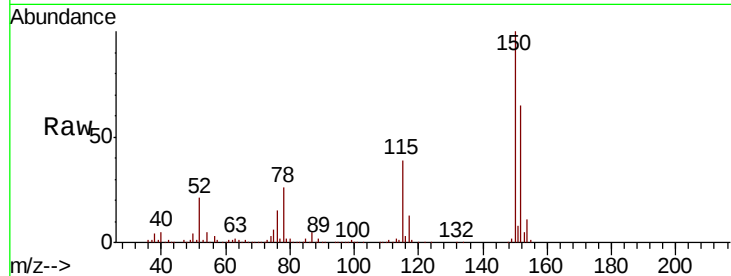
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	121.4	182.2
115	60.2	46.7	70.1

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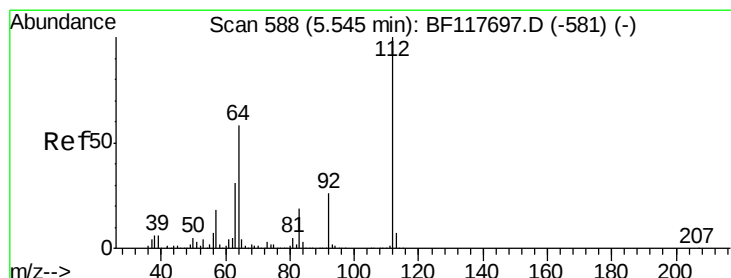
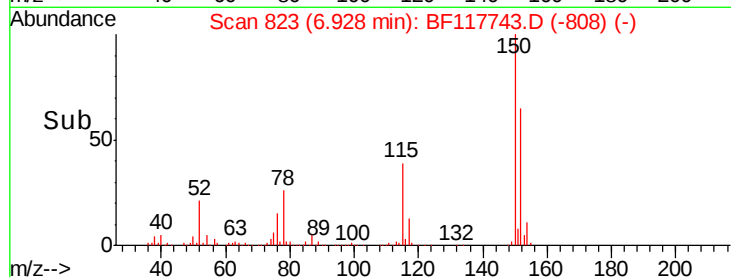
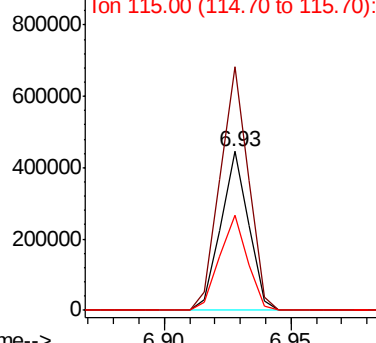


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

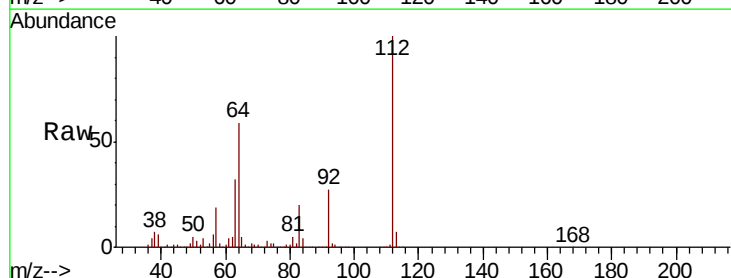
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 111.202 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.4	69.6
63	32.2	24.6	37.0

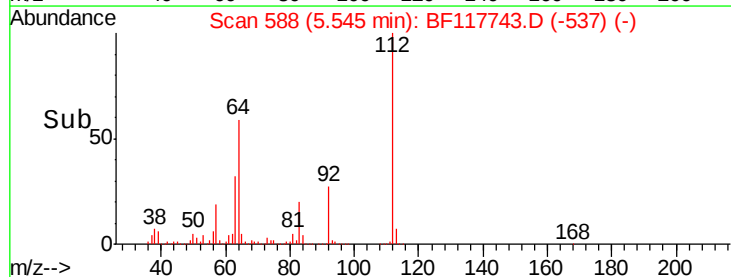
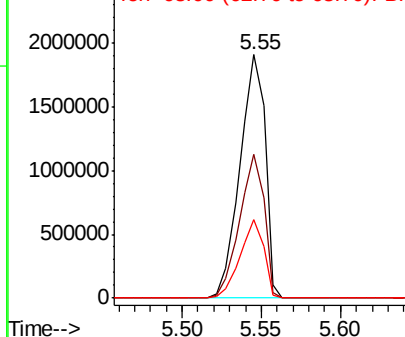


Abundance

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: 114.891 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampled :

3-C

Tot Ion: 99 Resp: 2669917

Ion Ratio Lower Upper

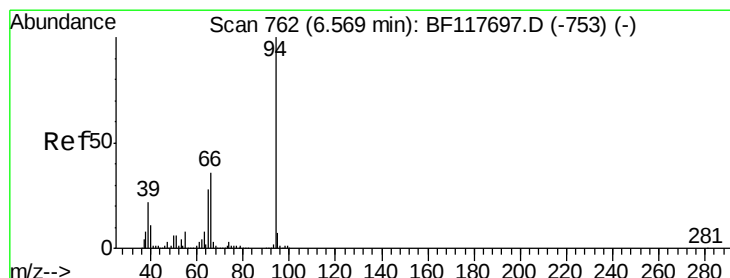
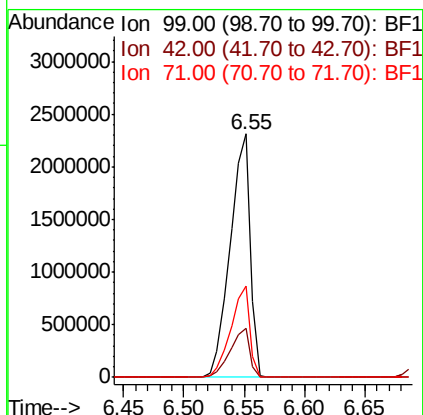
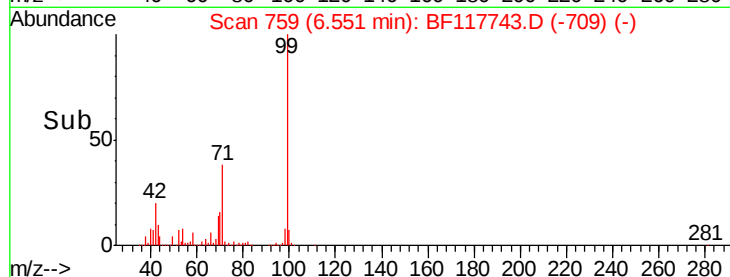
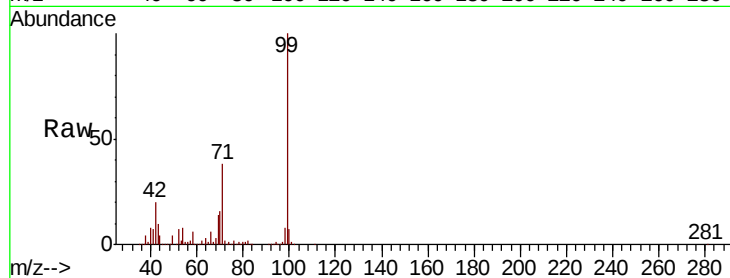
99 100

42 20.2 15.3 22.9

71 37.6 26.8 40.2

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#10

Phenol

Concen: 3.647 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

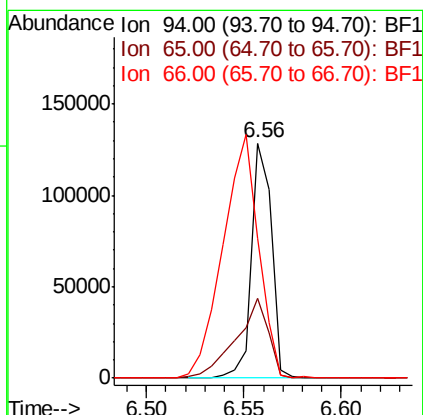
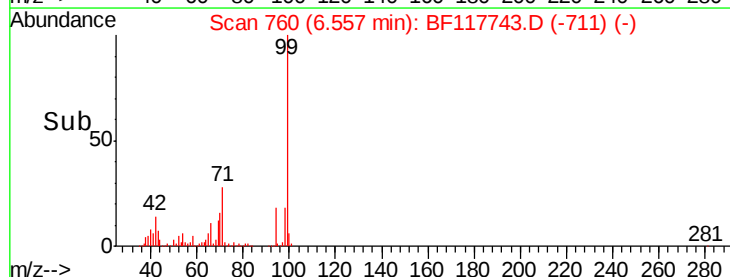
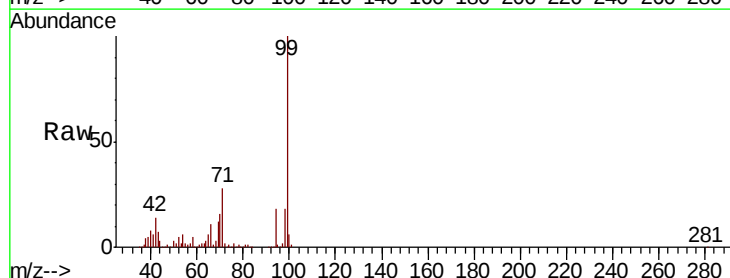
Tgt Ion: 94 Resp: 91317

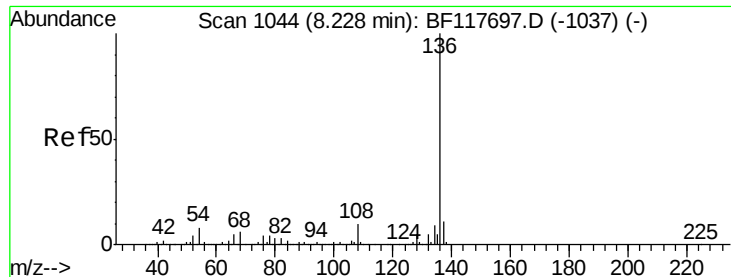
Ion Ratio Lower Upper

94 100

65 34.2 7.6 47.6

66 59.4 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: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

ClientSampleId :

3-C

Tot Ion:136 Resp: 1332639

Ion Ratio Lower Upper

136 100

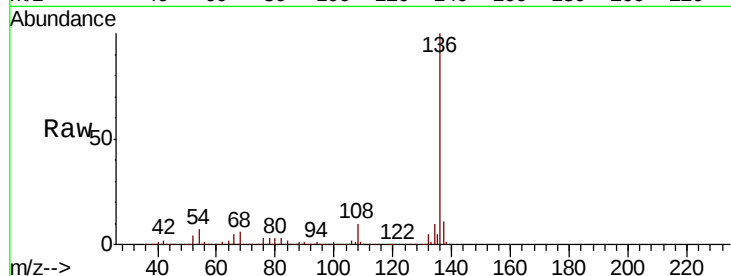
137 11.2 8.8 13.2

54 7.5 6.0 9.0

68 5.7 4.8 7.2

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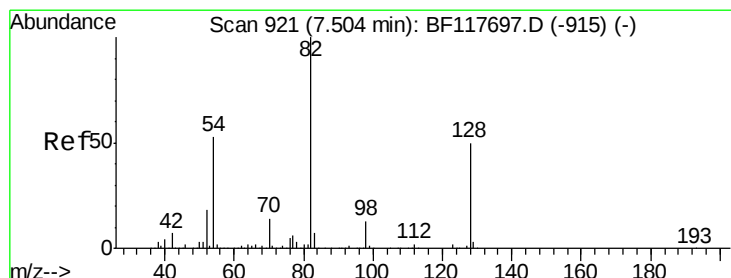
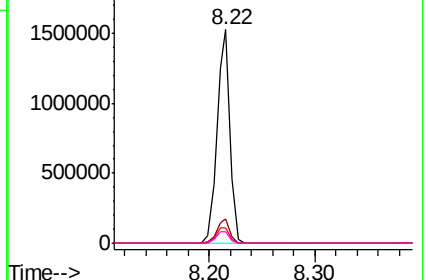
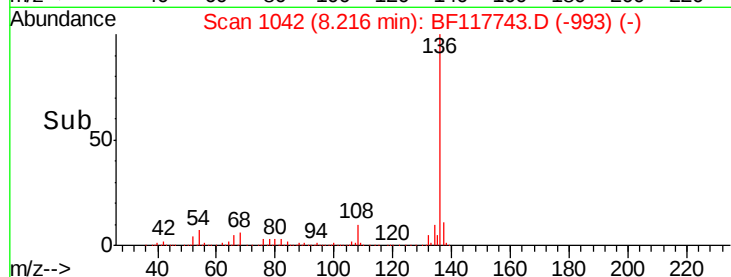


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.073 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

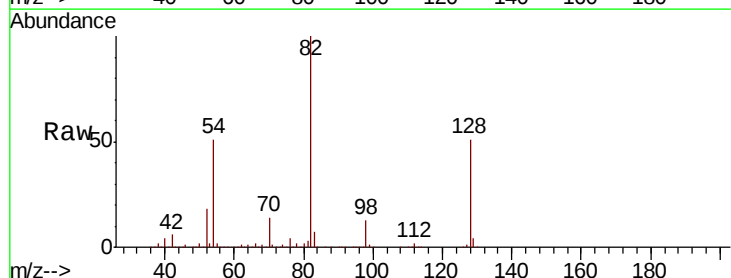
Tgt Ion: 82 Resp: 1694561

Ion Ratio Lower Upper

82 100

128 50.6 40.2 60.2

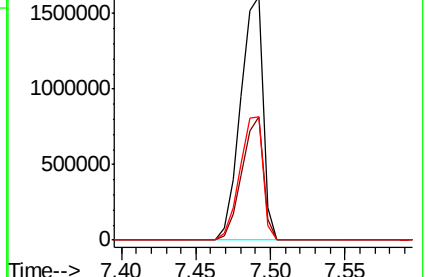
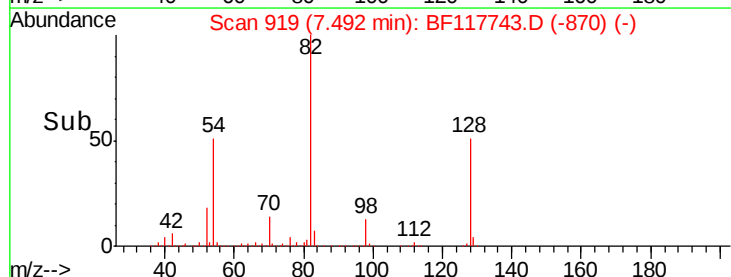
54 50.7 42.0 63.0

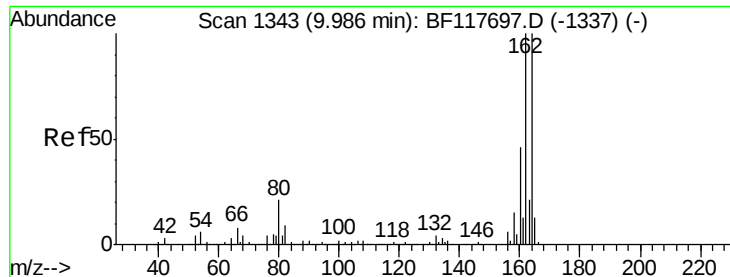


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





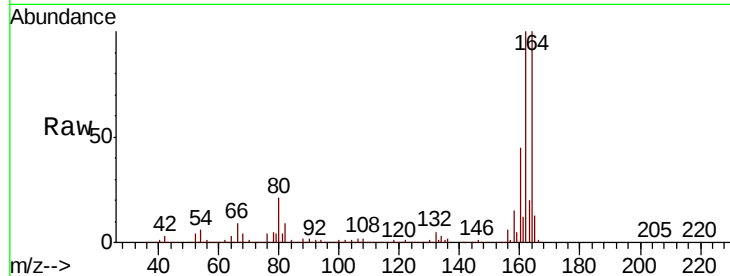
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
3-C

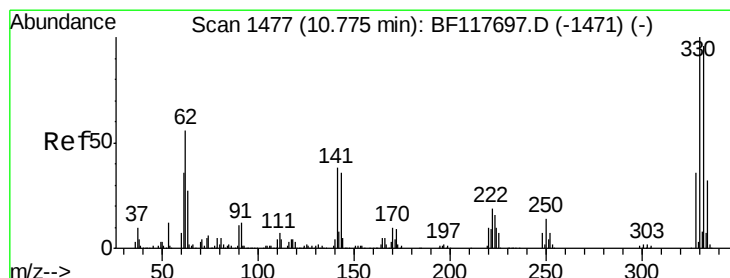
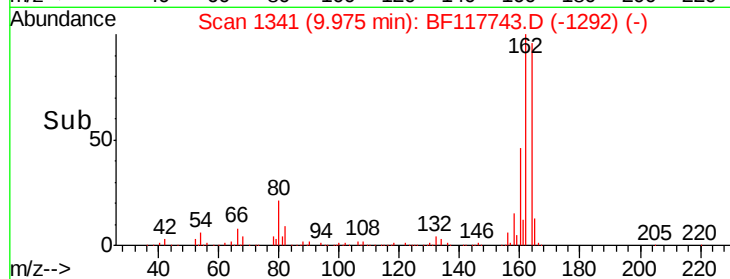
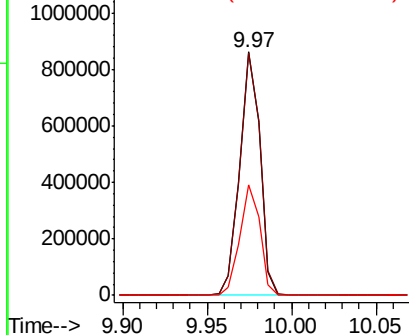
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.7	119.5
160	45.5	36.5	54.7

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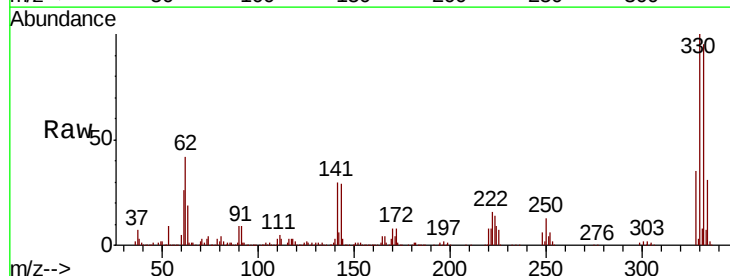


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

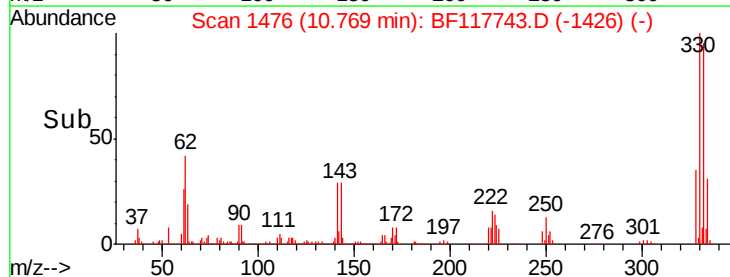
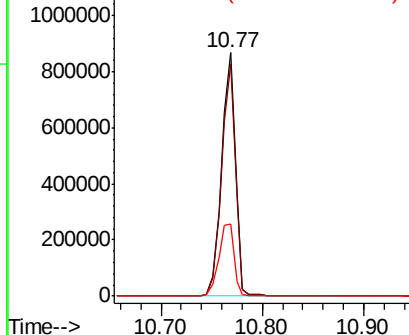


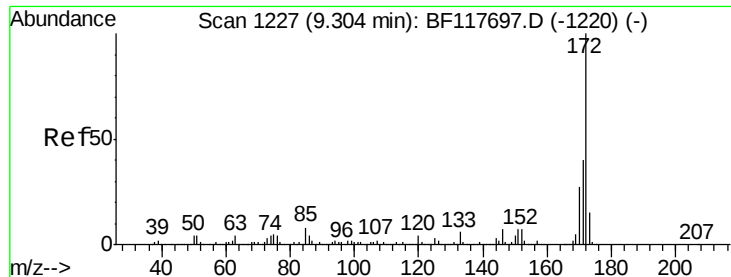
#42
2,4,6-Tribromophenol
Concen: 116.843 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	32.9	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





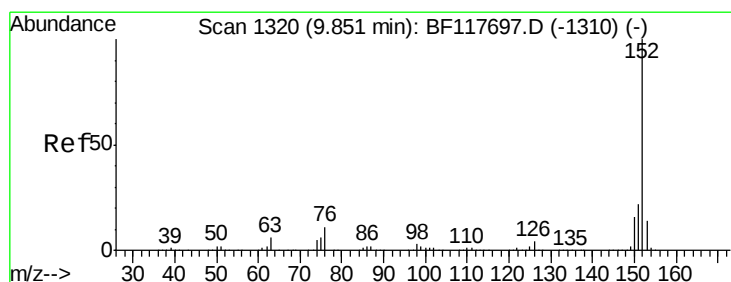
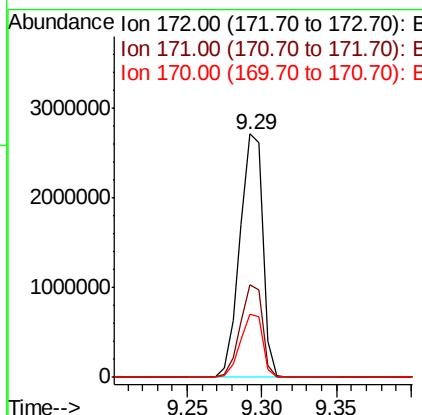
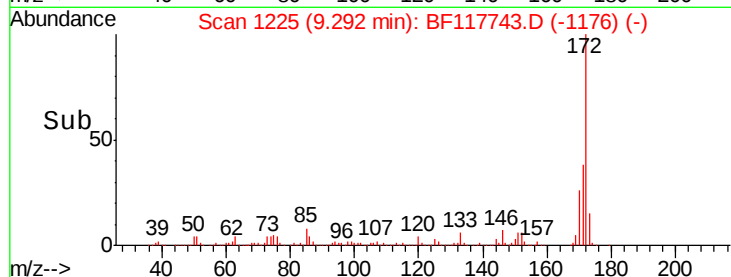
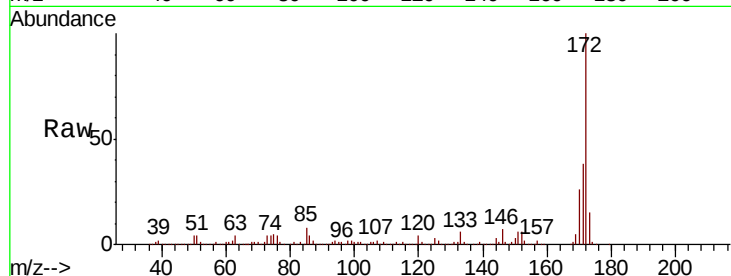
#45
2-Fluorobiphenyl
Concen: 79.497 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	31.8	47.8
170	26.2	21.6	32.4

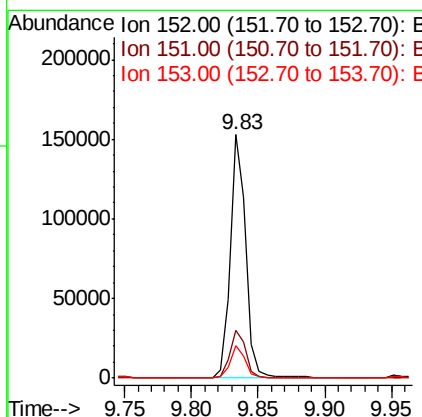
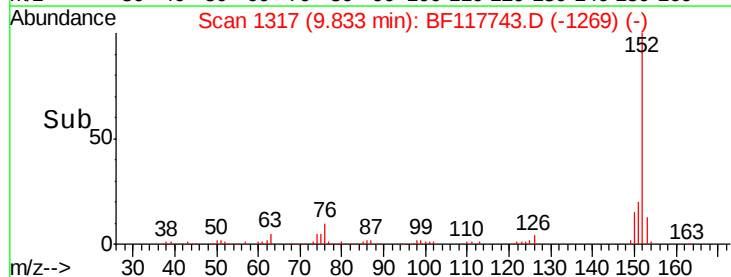
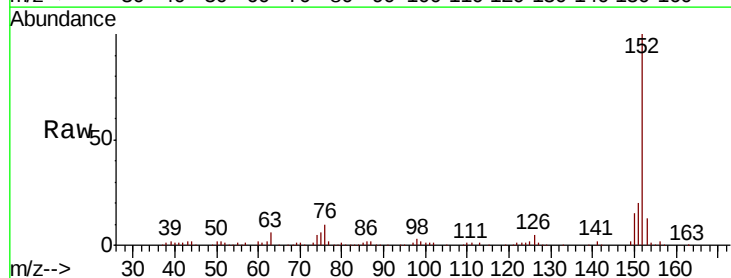
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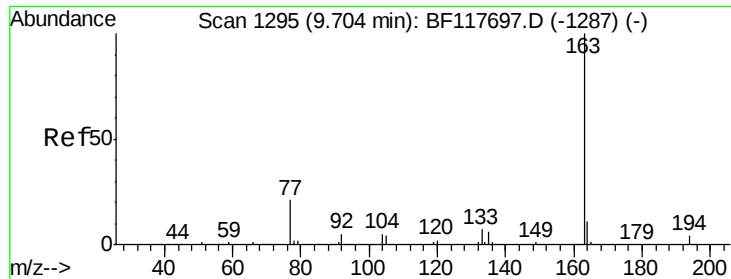
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#49
Acenaphthylene
Concen: 2.062 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	17.8	26.6
153	13.2	11.5	17.3





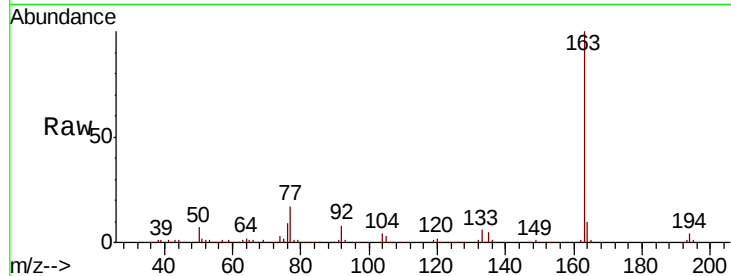
#50
Dimethylphthalate
Concen: 7.908 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

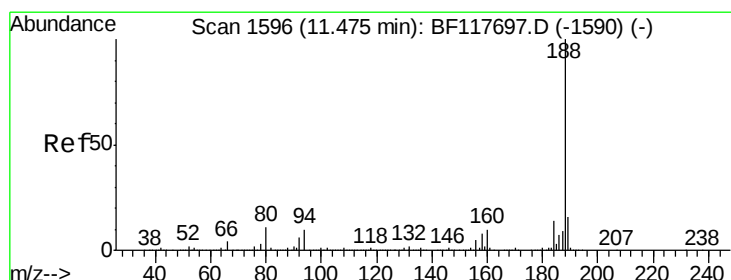
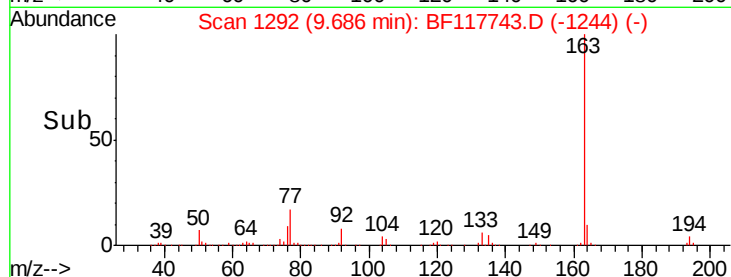
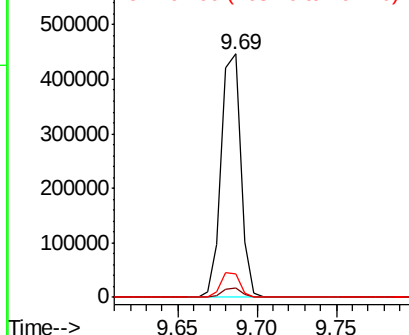
Tot Ion	Ratio	Resp	Lower	Upper
163	100	384289		
194	4.0		3.4	5.0
164	9.6		8.9	13.3

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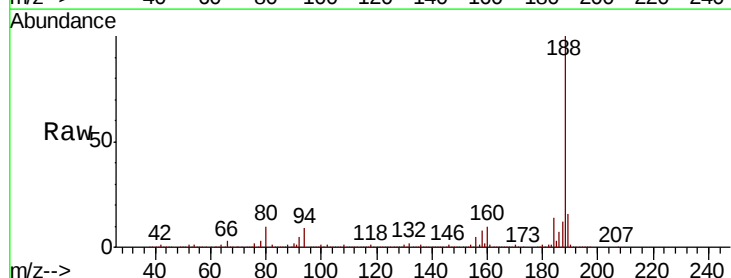


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

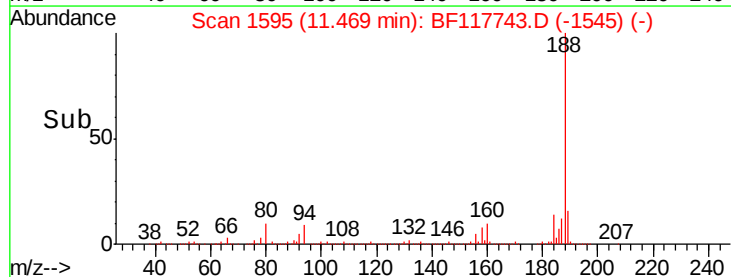
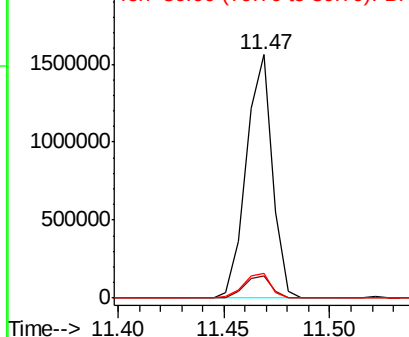


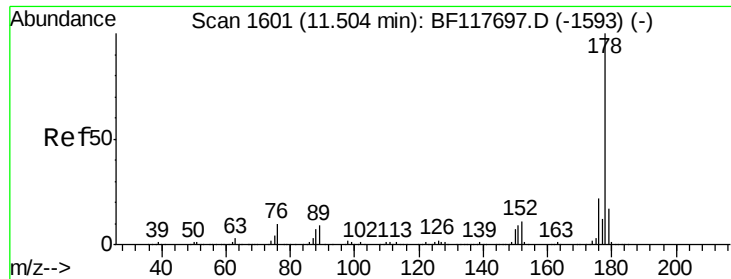
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1335591		
94	9.1		8.2	12.4
80	10.0		8.6	13.0



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





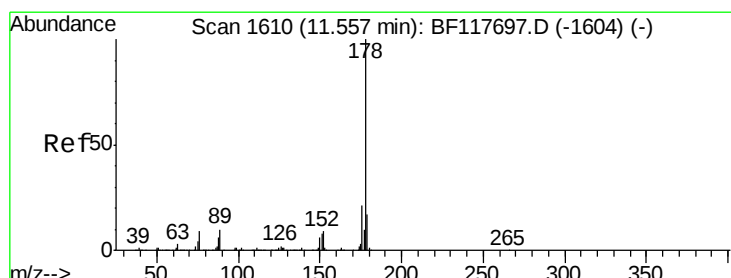
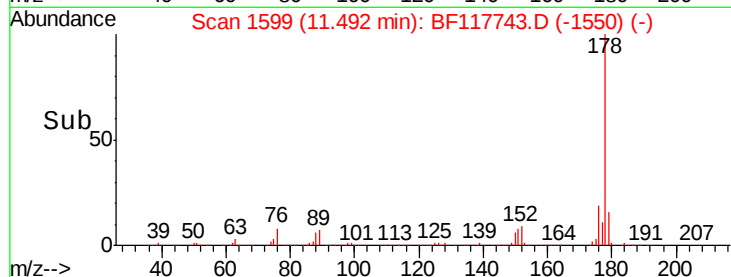
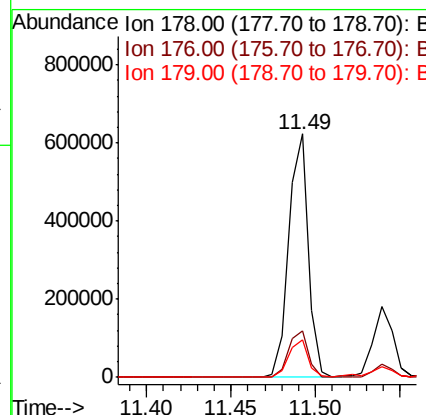
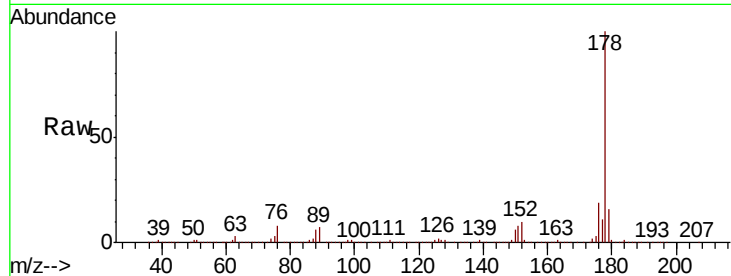
#71
Phenanthrene
Concen: 7.891 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	17.7	26.5
179	15.7	13.8	20.8

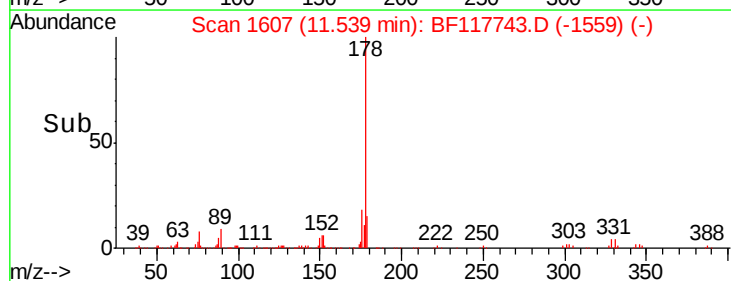
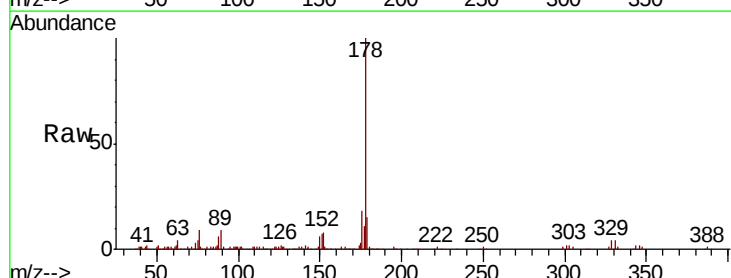
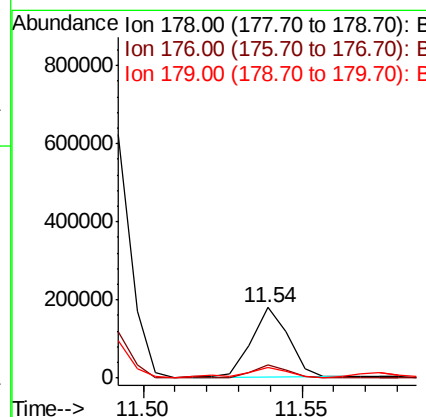
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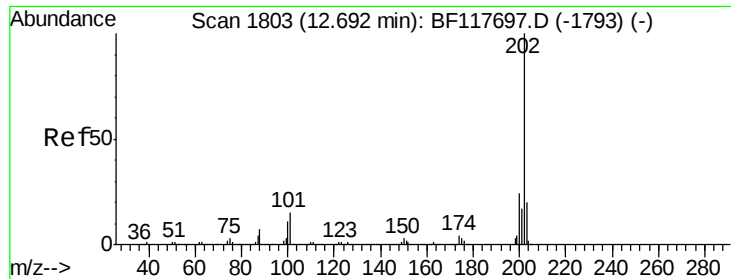
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#72
Anthracene
Concen: 2.273 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.6	25.0
179	15.4	13.5	20.3





#75

Fluoranthene

Concen: 22.318 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Instrument :

BNA_F

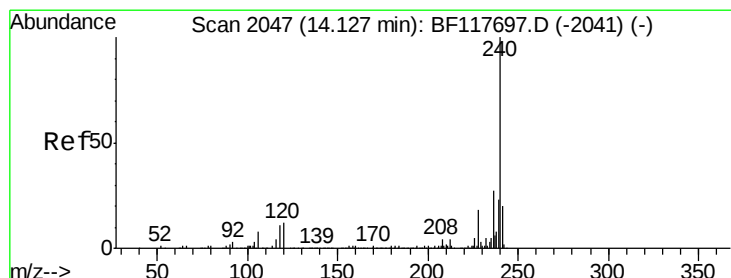
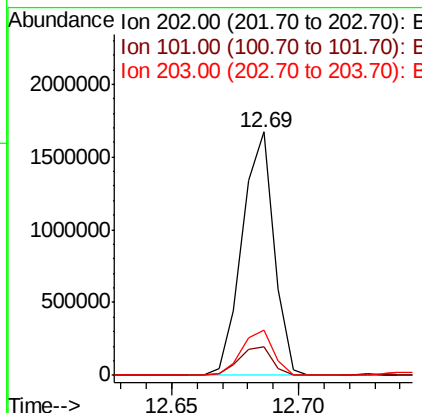
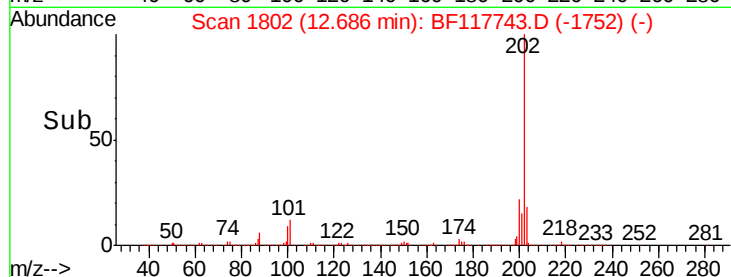
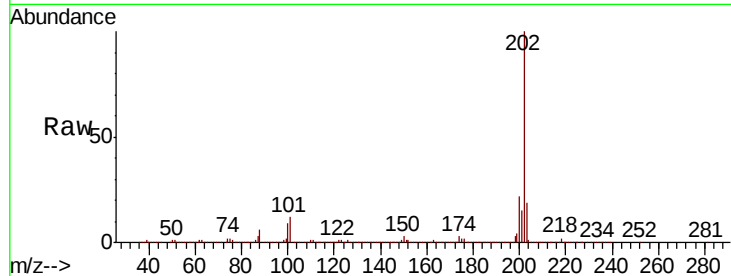
ClientSampleId :

3-C

Tot Ion:	202	Resp:	1458842
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.5
203	18.5	0.0	39.8

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#76

Chrysene-d12

Concen: 20.000 ng

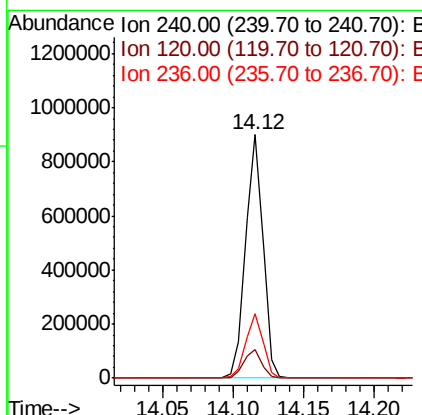
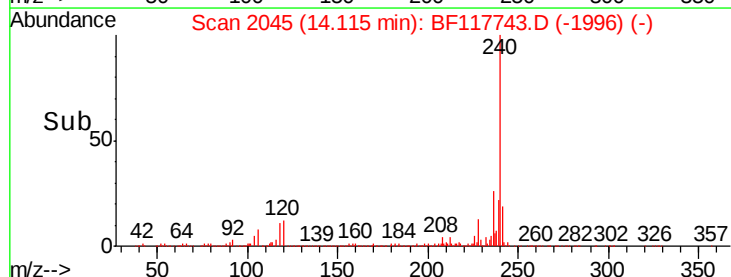
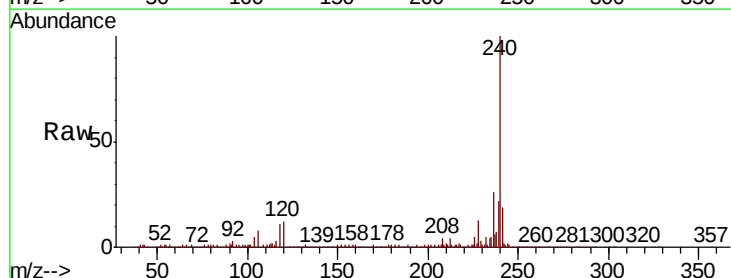
RT: 14.12 min Scan# 2045

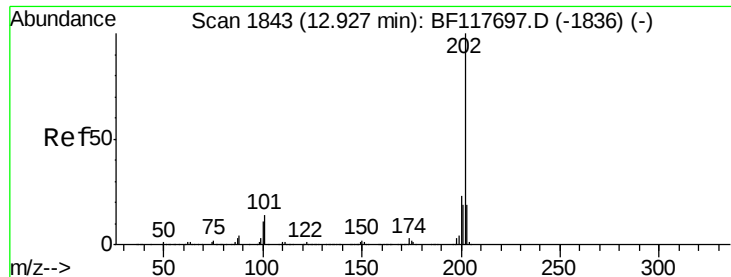
Delta R.T. -0.01 min

Lab File: BF117743.D

Acq: 8 Nov 2019 20:44

Tgt Ion:	240	Resp:	774660
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	26.4	21.9	32.9





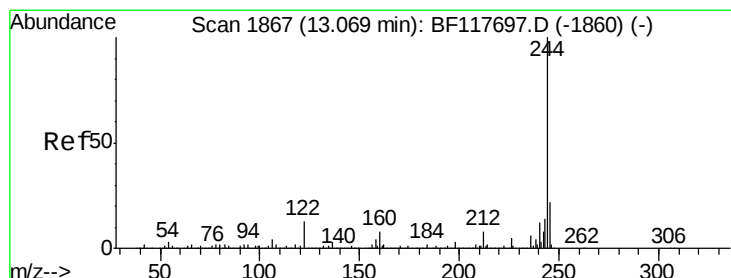
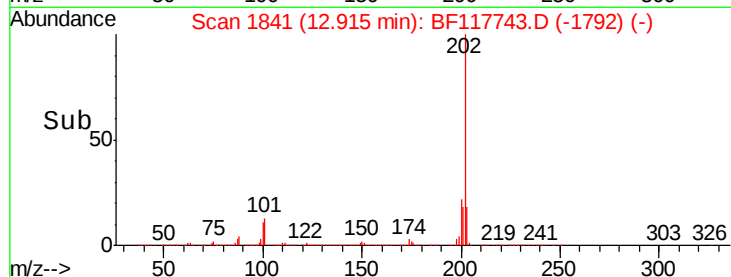
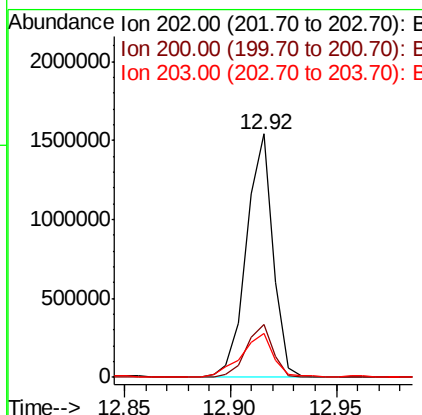
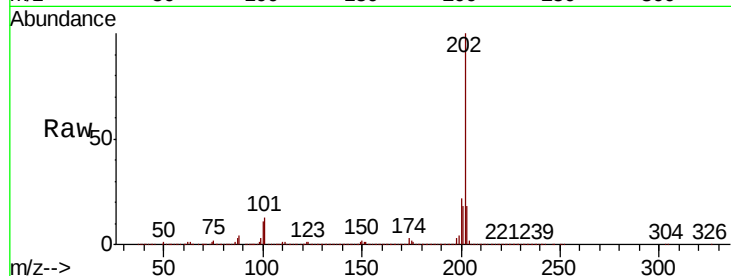
#78
Pvrene
Concen: 23.797 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.8	28.2
203	18.3	15.2	22.8

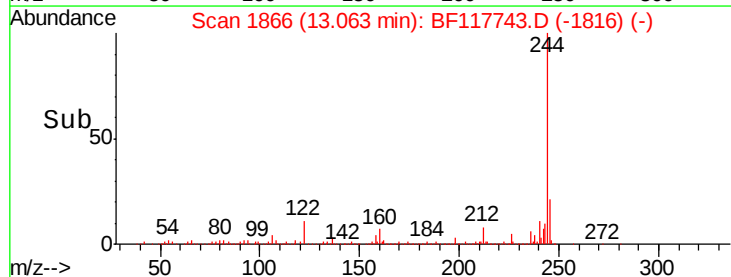
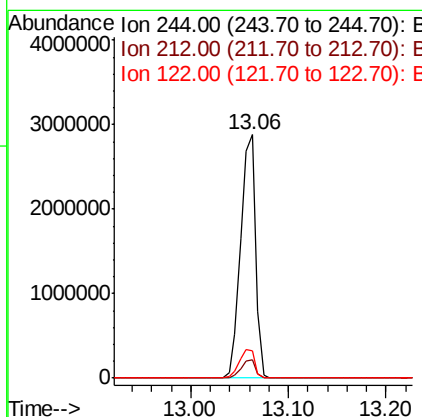
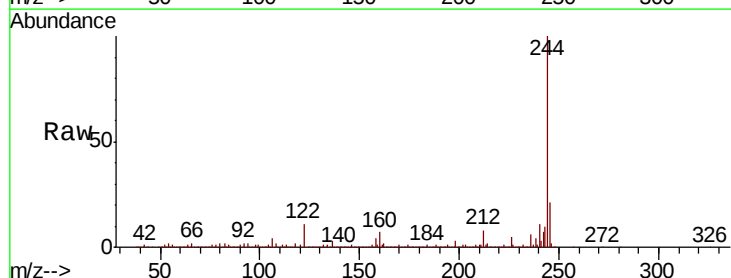
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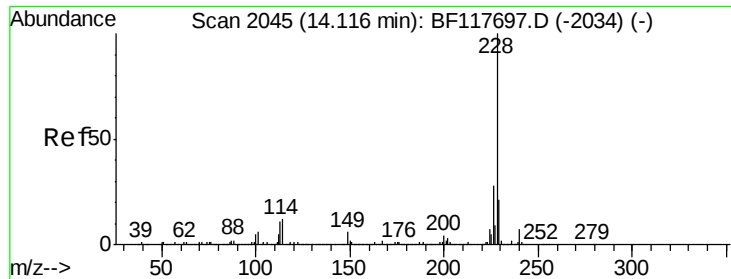
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#79
Terphenyl-d14
Concen: 81.290 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.4	9.6
122	11.1	10.0	15.0





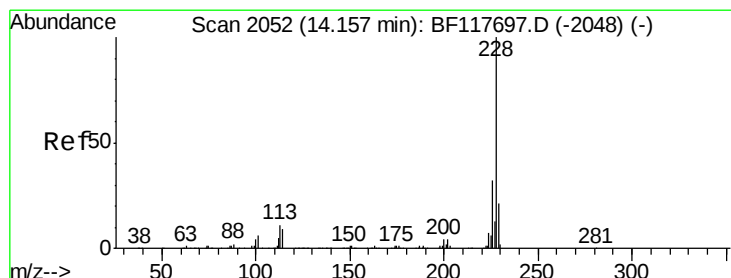
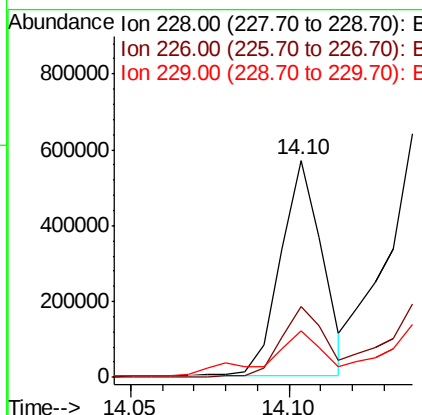
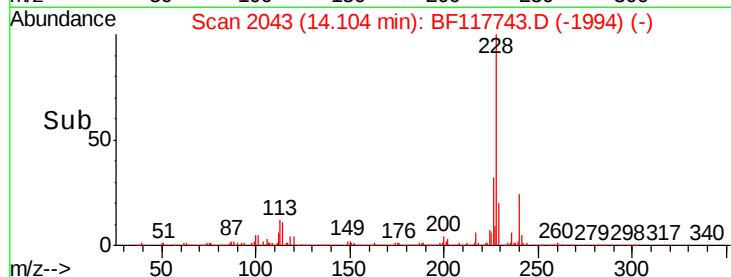
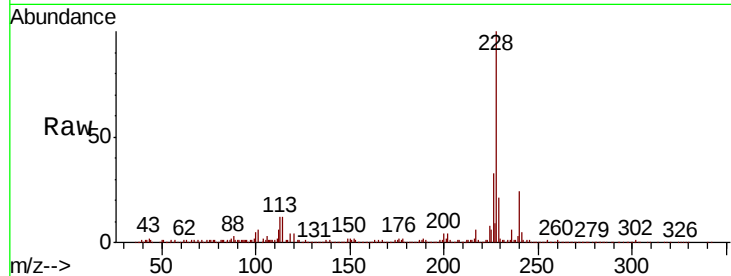
#81
Benzo(a)anthracene
Concen: 10.876 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.8	34.2
229	21.3	16.9	25.3

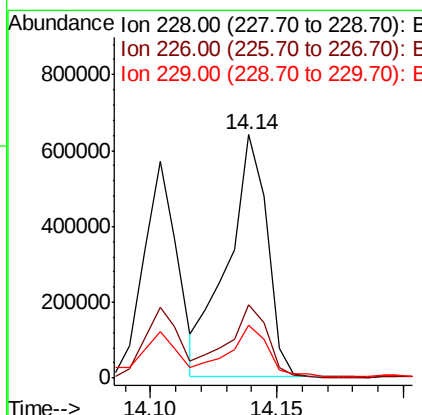
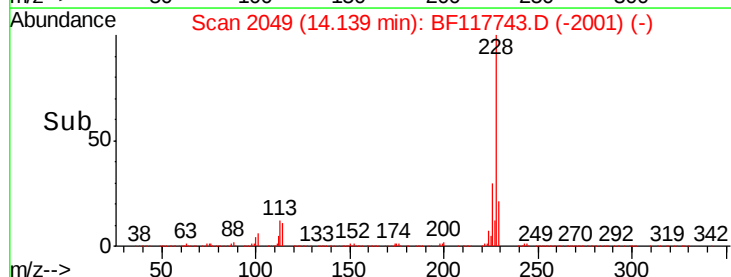
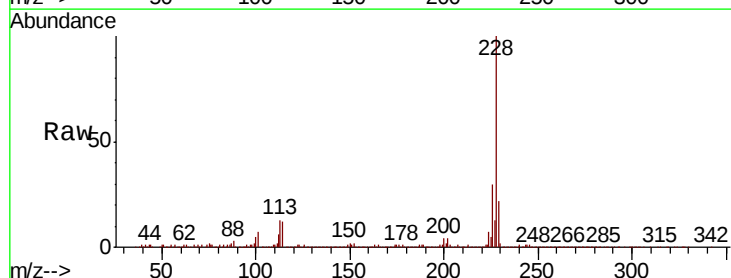
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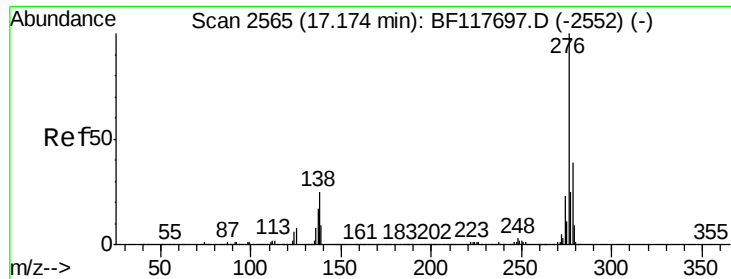
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#83
Chrysene
Concen: 14.532 ng m
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	21.9	16.6	24.8





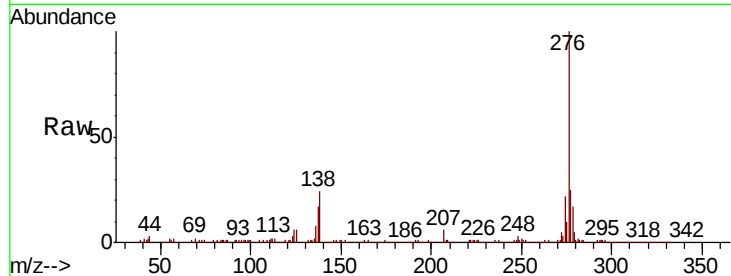
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.903 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.03 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
3-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	22.4	33.6
277	24.3	20.6	30.8

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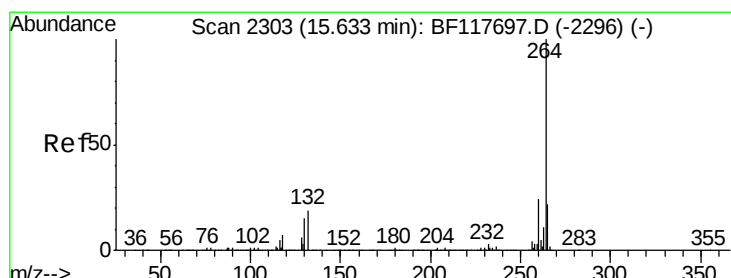
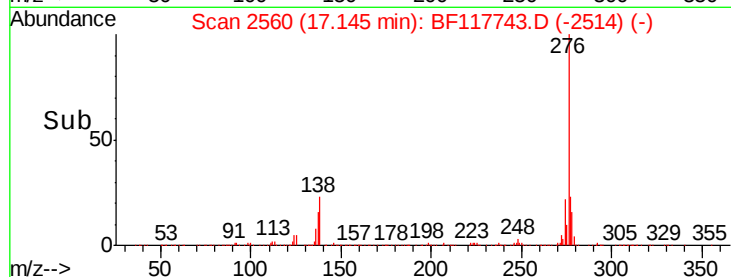
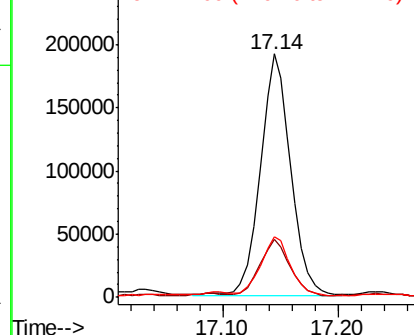


Abundance

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: BF117743.D
Acq: 8 Nov 2019 20:44

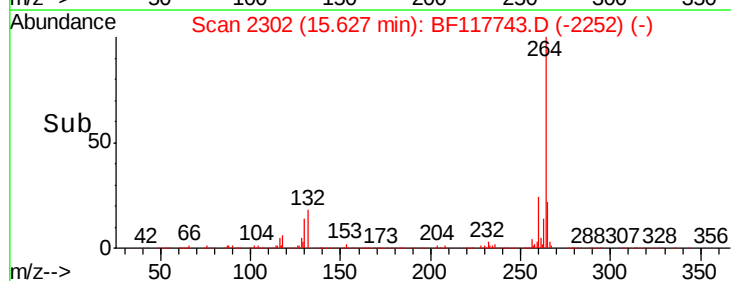
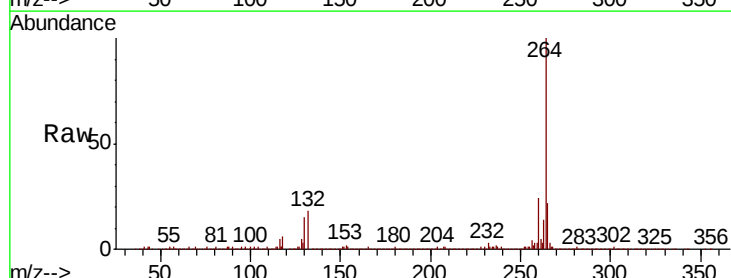
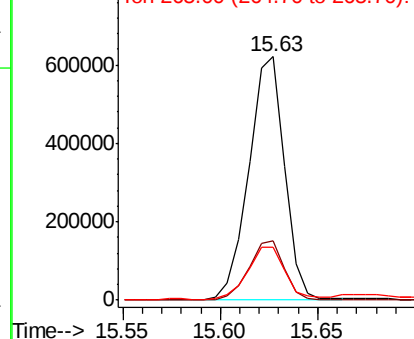
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	21.9	17.7	26.5

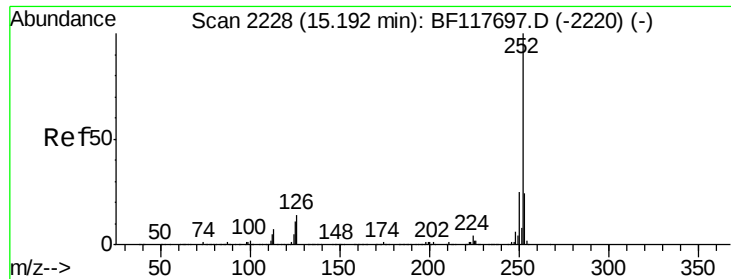
Abundance

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





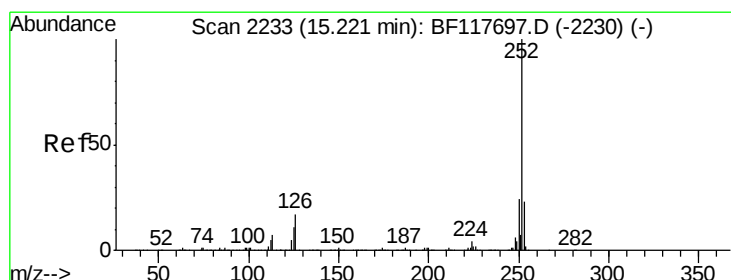
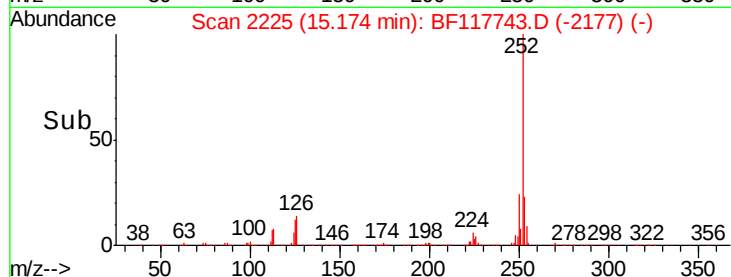
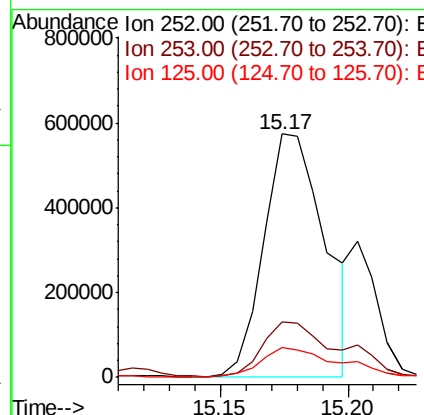
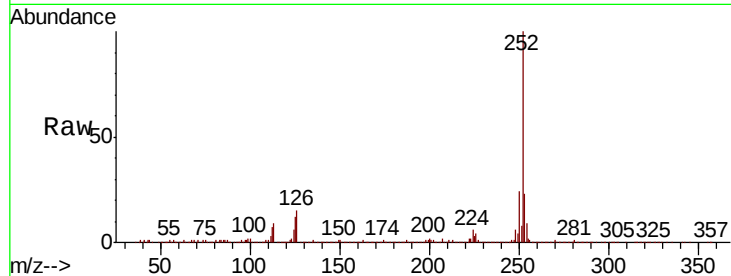
#88
Benzo(b)fluoranthene
Concen: 19.316 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampleId :
3-C

Tot Ion	Ratio	Resp	Lower	Upper
252	100	952885		
253	22.8	18.9	28.3	
125	12.1	8.5	12.7	

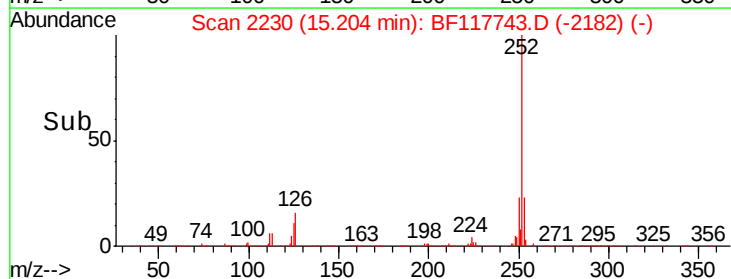
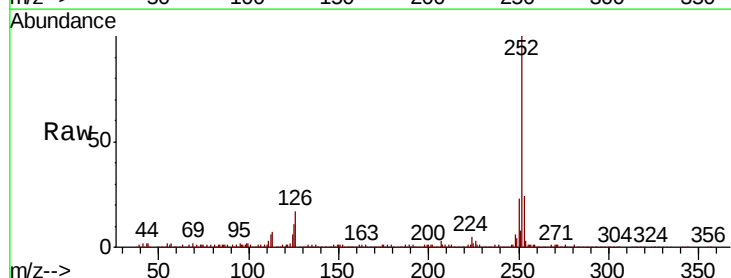
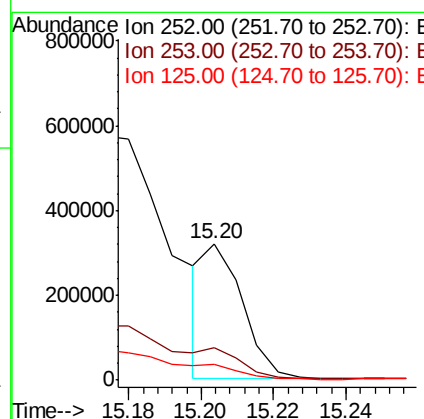
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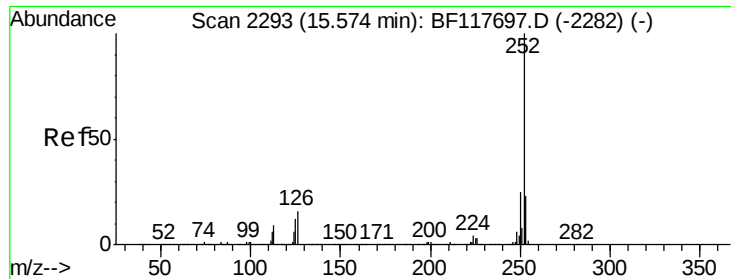
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#89
Benzo(k)fluoranthene
Concen: 5.268 ng m
RT: 15.20 min Scan# 2230
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	231780		
253	23.6	17.9	26.9	
125	11.4	9.1	13.7	





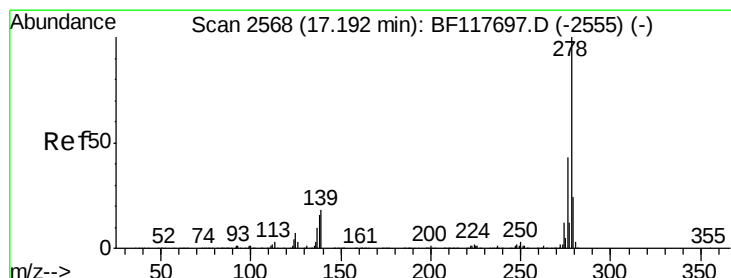
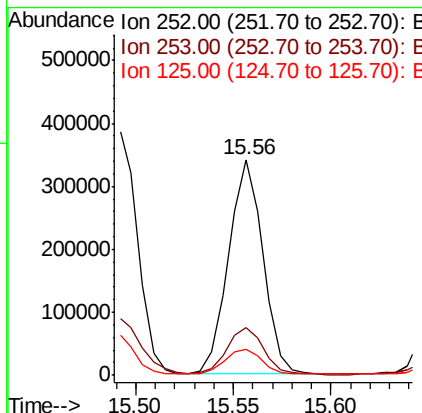
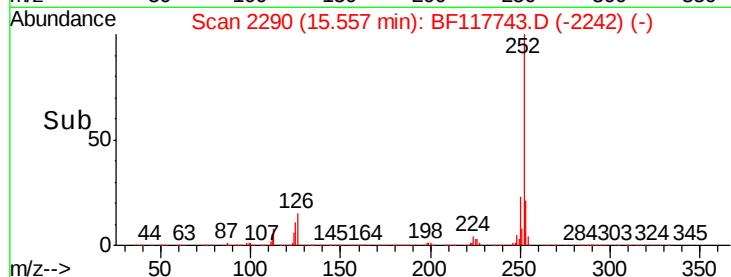
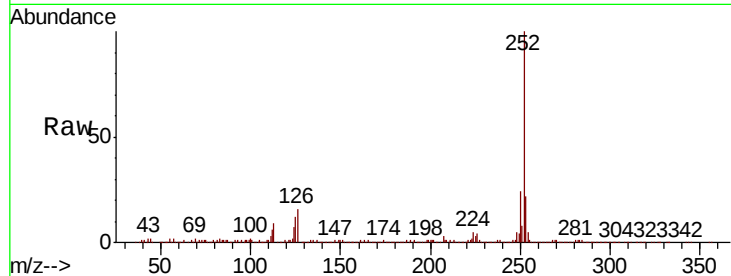
#90
Benzo(a)pyrene
Concen: 9.715 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Instrument :
BNA_F
ClientSampled :
3-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.1	9.5	14.3

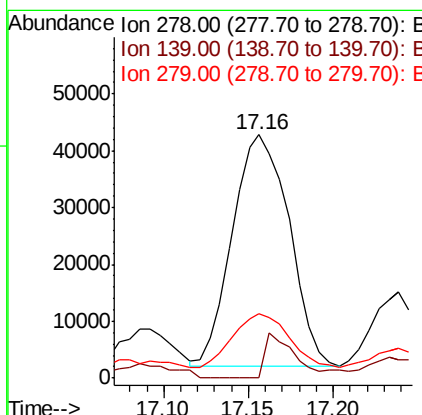
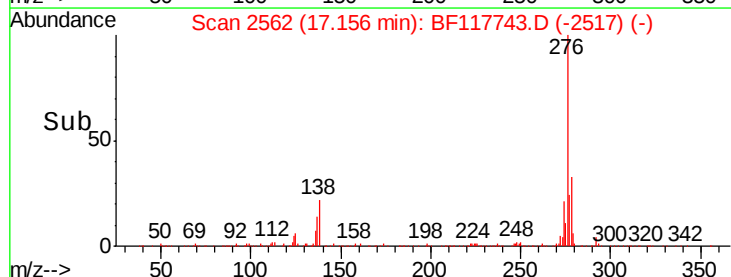
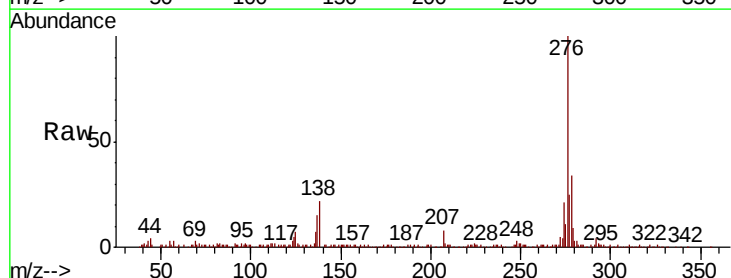
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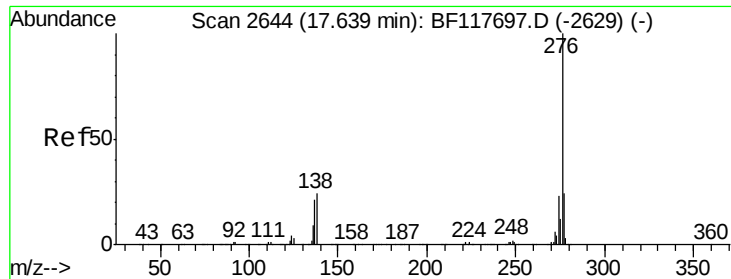
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#91
Dibenzo(a,h)anthracene
Concen: 2.456 ng m
RT: 17.16 min Scan# 2562
Delta R.T. -0.04 min
Lab File: BF117743.D
Acq: 8 Nov 2019 20:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.3	21.5#
279	26.3	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 8.474 ng
 RT: 17.61 min Scan# 2639
 Delta R.T. -0.03 min
 Lab File: BF117743.D
 Acq: 8 Nov 2019 20:44

Instrument :
 BNA_F
 ClientSampleId :
 3-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.4	29.0
138	23.8	19.2	28.8

Manual Integrations
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