

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117542.D
 Acq On : 25 Oct 2019 18:00
 Operator : JU
 Sample : K5512-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26706

Quant Time: Oct 26 00:12:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	34251	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	135703	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	62812	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	85393	20.00	ng	0.00
76) Chrysene-d12	13.89	240	68365	20.00	ng	0.00
87) Perylene-d12	15.33	264	59777	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	244791	106.33	ng	0.00
7) Phenol-d6	6.38	99	334880	108.30	ng	0.00
23) Nitrobenzene-d5	7.29	82	203042	73.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	49205	90.54	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	342104	76.74	ng	-0.01
79) Terphenyl-d14	12.83	244	260140	62.07	ng	0.00

Target Compounds

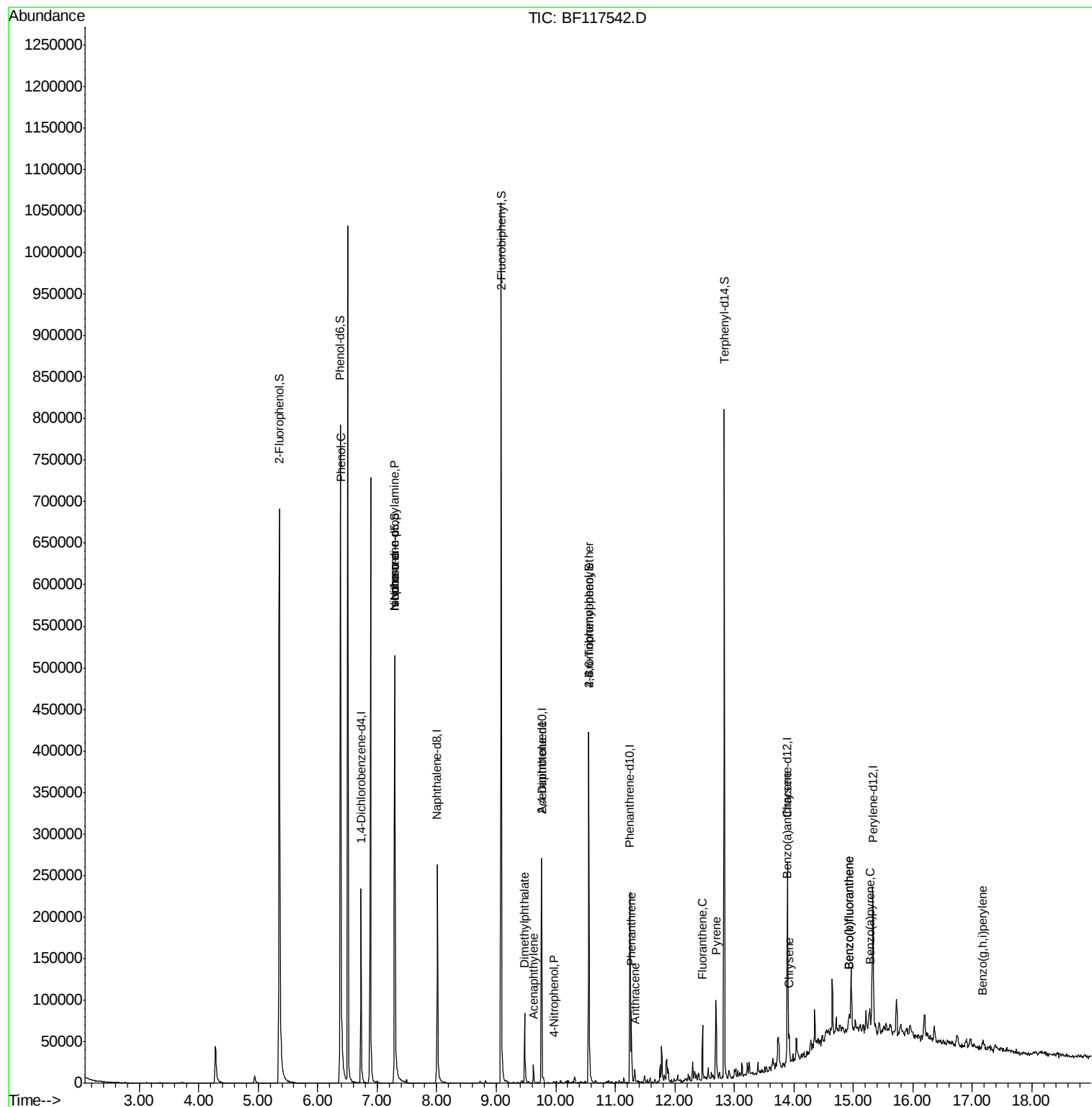
						Qvalue
9) Benzaldehyde	6.38	77	264	Below Cal	#	3
10) Phenol	6.39	94	8209	2.601 ng	#	80
19) n-Nitroso-di-n-propylamine	7.29	70	26000	13.768 ng	#	76
25) Isophorone	7.29	82	203040	42.698 ng	#	65
49) Acenaphthylene	9.62	152	12373	2.149 ng	#	95
50) Dimethylphthalate	9.48	163	36732	8.203 ng		99
56) 4-Nitrophenol	9.97	139	112	4.334 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	7519	6.052 ng	#	12
67) 4-Bromophenyl-phenylether	10.56	248	3170	3.446 ng	#	1
71) Phenanthrene	11.27	178	35215	7.102 ng		95
72) Anthracene	11.33	178	10804	2.124 ng		98
75) Fluoranthene	12.46	202	25385	5.114 ng		98
77) Benzidine	12.83	184	3453	Below Cal	#	93
78) Pyrene	12.69	202	40965	6.976 ng		98
81) Benzo(a)anthracene	13.88	228	13169	2.856 ng		92
83) Chrysene	13.92	228	13883	3.072 ng		96
88) Benzo(b)fluoranthene	14.93	252	14911	4.224 ng	#	92
89) Benzo(k)fluoranthene	14.93	252	14911	4.121 ng	#	91
90) Benzo(a)pyrene	15.27	252	10148	3.162 ng	#	81
92) Benzo(a,h,i)perylene	17.18	276	5990	2.281 ng	#	82

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

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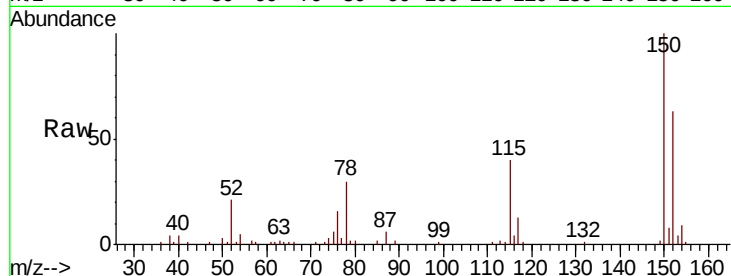


#1

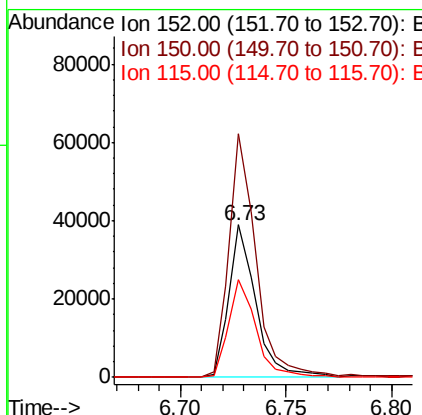
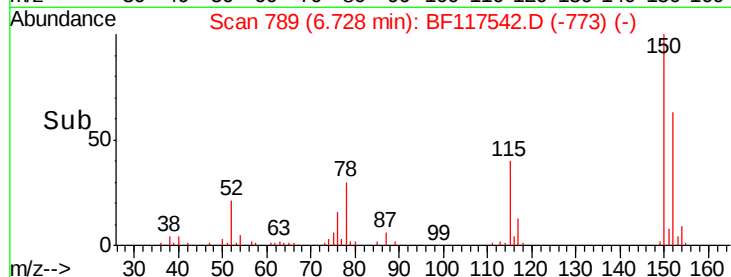
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
CHRT-26706

Tot Ion:152 Resp: 34251
Ion Ratio Lower Upper
152 100
150 159.8 126.8 190.2
115 64.4 51.6 77.4



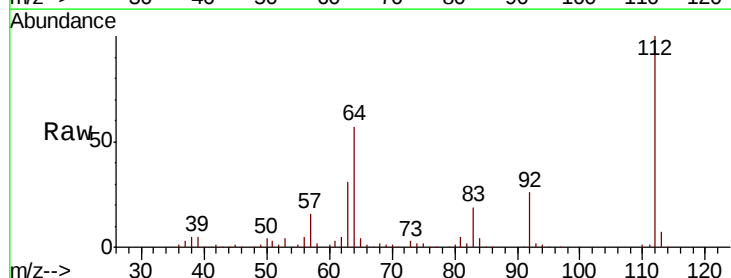
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



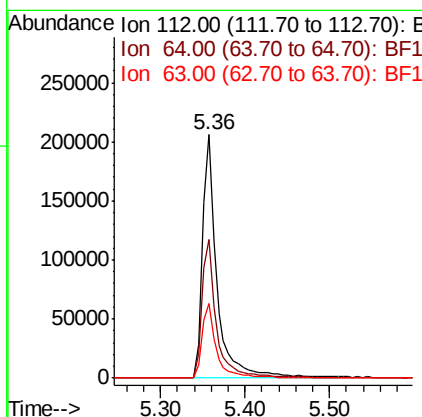
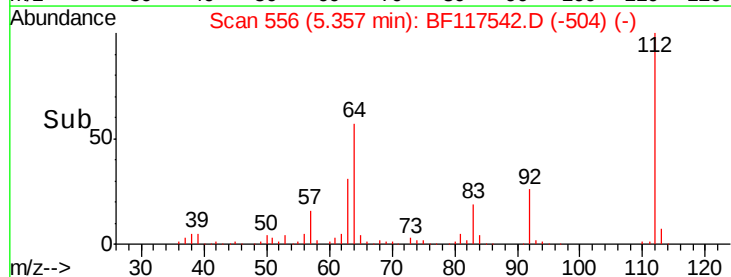
#5

2-Fluorophenol
Concen: 106.326 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:112 Resp: 244791
Ion Ratio Lower Upper
112 100
64 56.7 44.1 66.1
63 30.9 23.4 35.2



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: 108.298 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

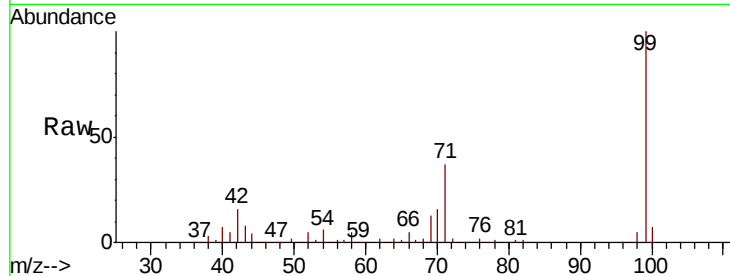
Tot Ion: 99 Resp: 334880

Ion Ratio Lower Upper

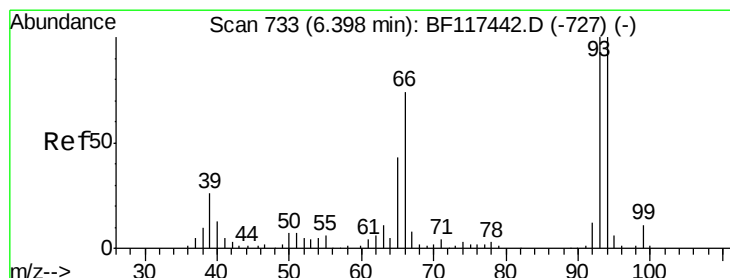
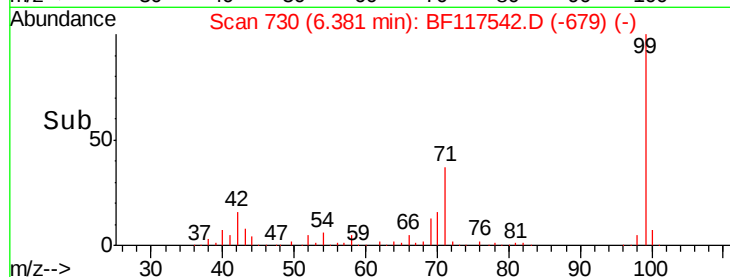
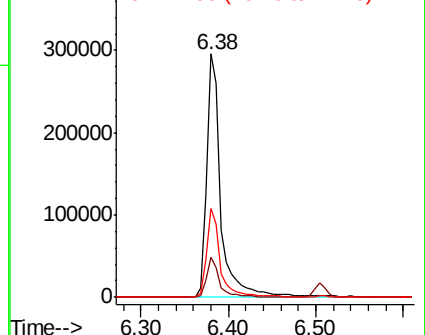
99 100

42 16.3 12.8 19.2

71 36.7 28.6 43.0



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



#10

Phenol

Concen: 2.601 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

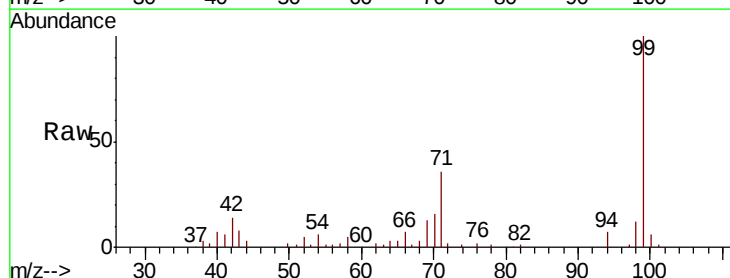
Tgt Ion: 94 Resp: 8209

Ion Ratio Lower Upper

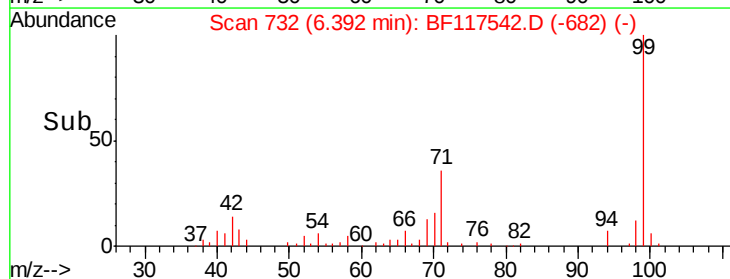
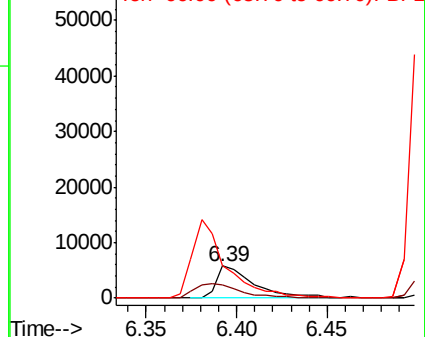
94 100

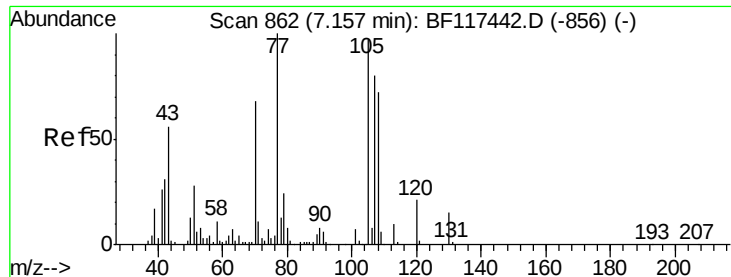
65 40.8 23.4 63.4

66 99.8 54.7 94.7#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

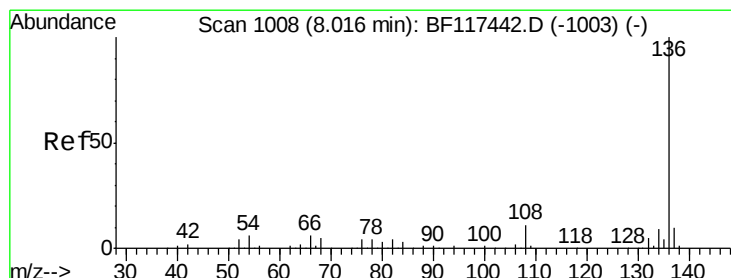
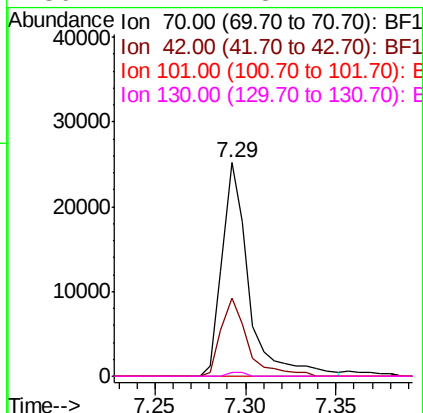
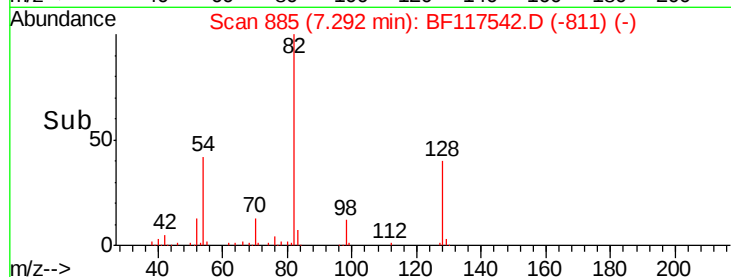
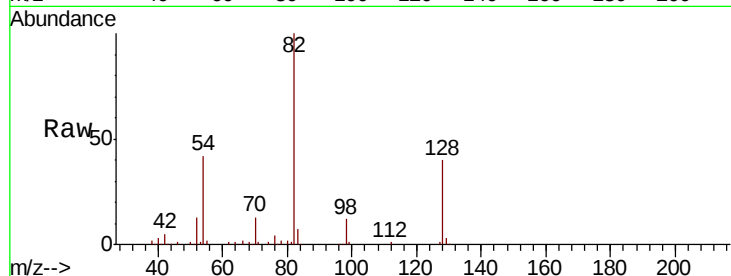




#19
n-Nitroso-di-n-propylamine
Concen: 13.768 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

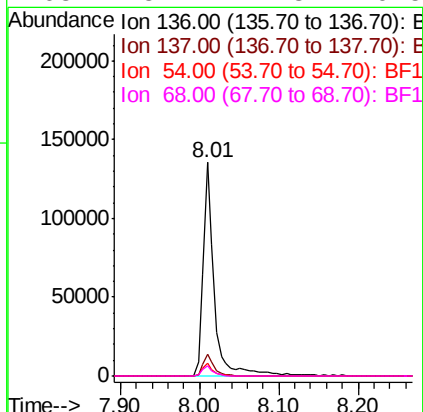
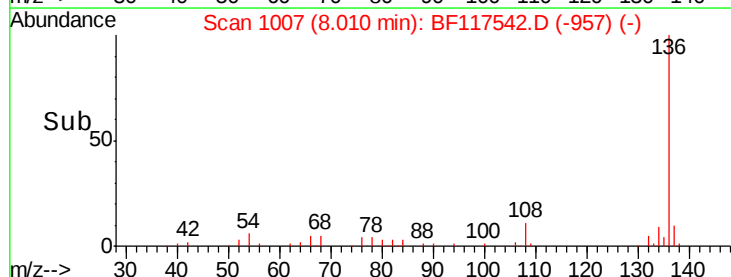
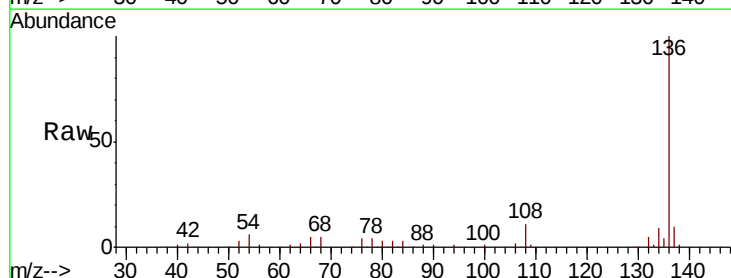
Instrument :
BNA_F
ClientSampleId :
CHRT-26706

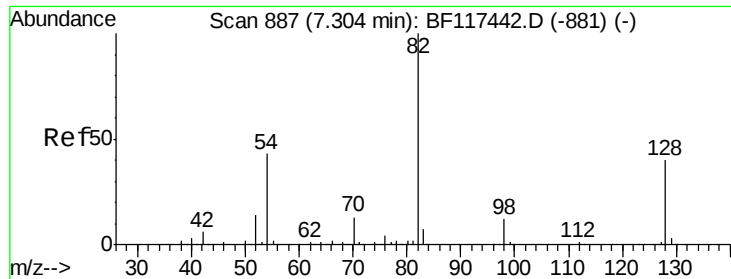
Tot Ion: 70 Resp: 26000
Ion Ratio Lower Upper
70 100
42 36.7 36.7 55.1#
101 0.0 8.3 12.5#
130 1.7 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:136 Resp: 135703
Ion Ratio Lower Upper
136 100
137 10.5 8.2 12.4
54 6.0 4.5 6.7
68 5.1 4.3 6.5

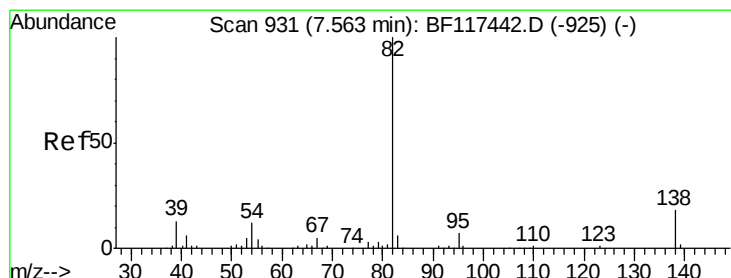
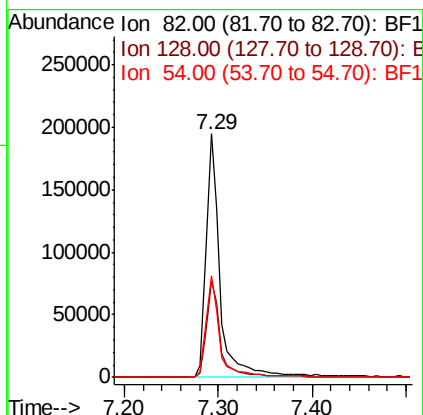
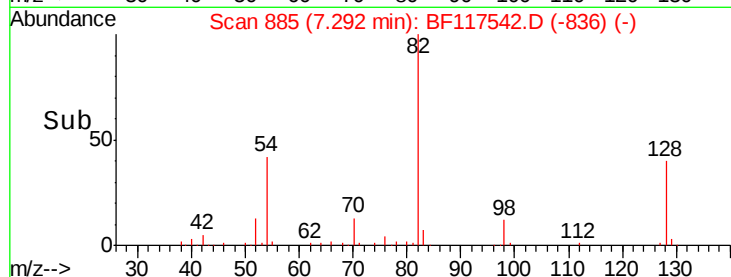
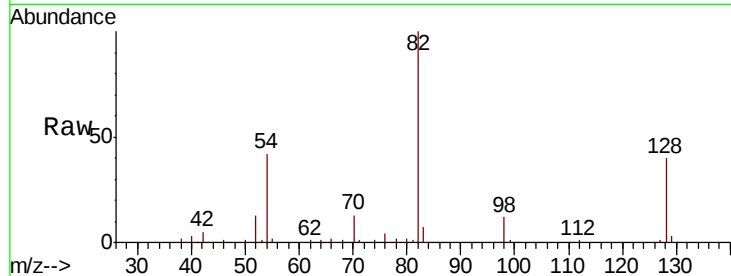




#23
Nitrobenzene-d5
Concen: 73.865 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

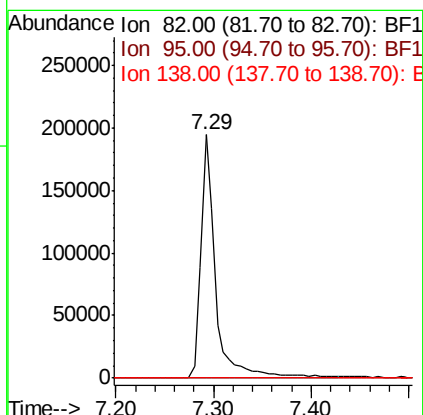
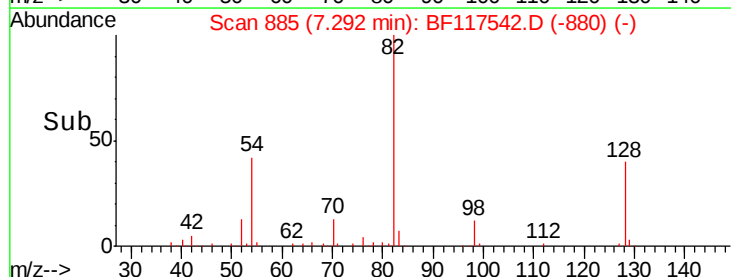
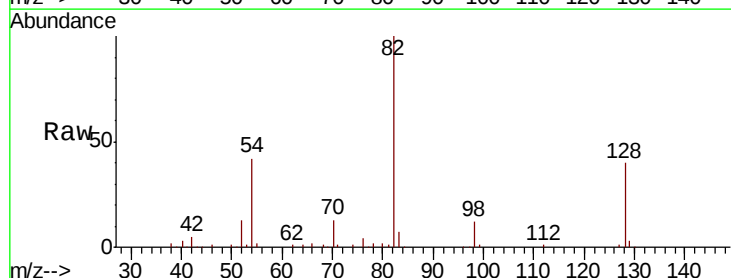
Instrument :
BNA_F
ClientSampleId :
CHRT-26706

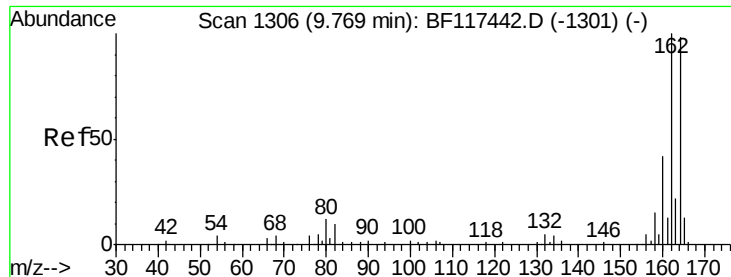
Tot Ion	82	Resp	203042
Ion Ratio	Lower	Upper	
82	100		
128	39.7	32.2	48.2
54	41.6	34.2	51.2



#25
Isophorone
Concen: 42.698 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion	82	Resp	203040
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

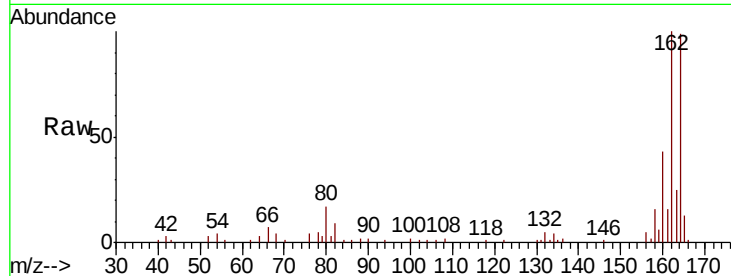




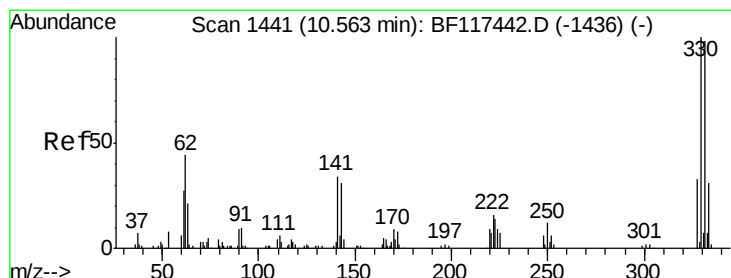
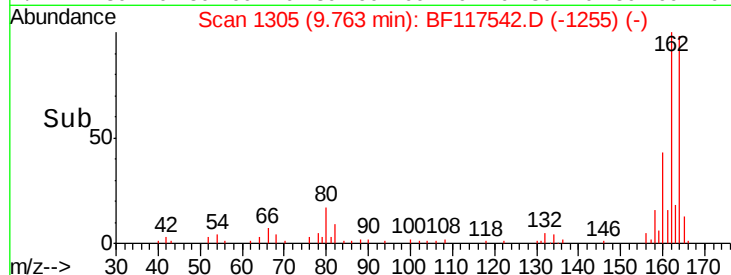
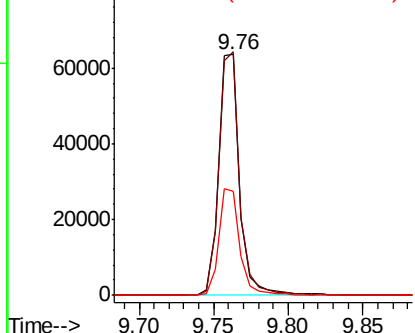
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
CHRT-26706

Tot Ion:164 Resp: 62812
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 43.5 34.4 51.6

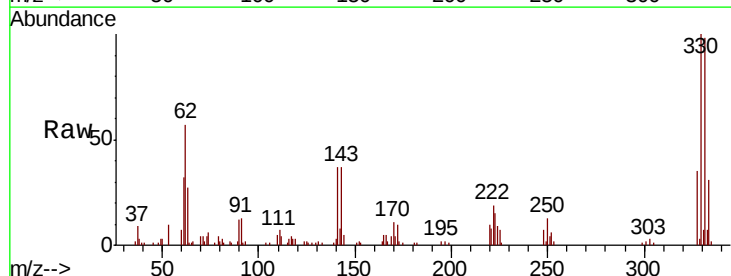


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

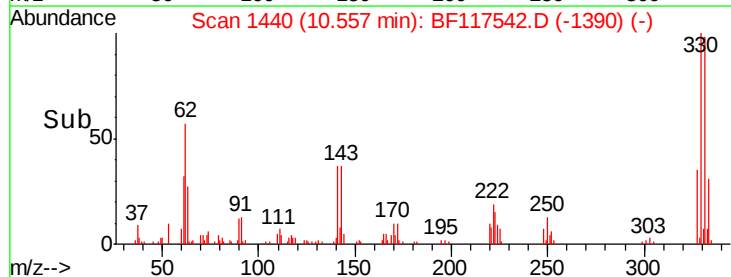
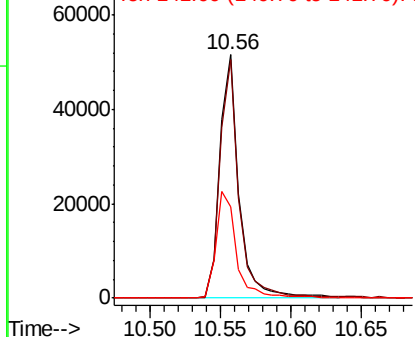


#42
2,4,6-Tribromophenol
Concen: 90.536 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:330 Resp: 49205
Ion Ratio Lower Upper
330 100
332 97.8 78.5 117.7
141 46.5 37.0 55.6



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

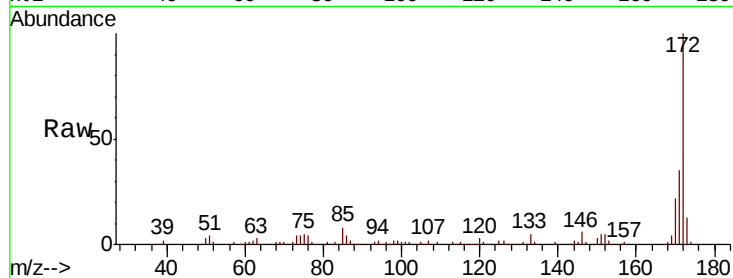




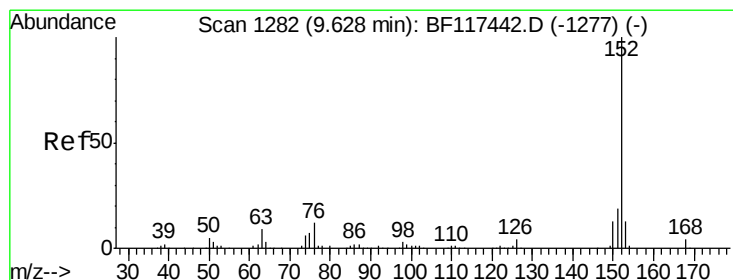
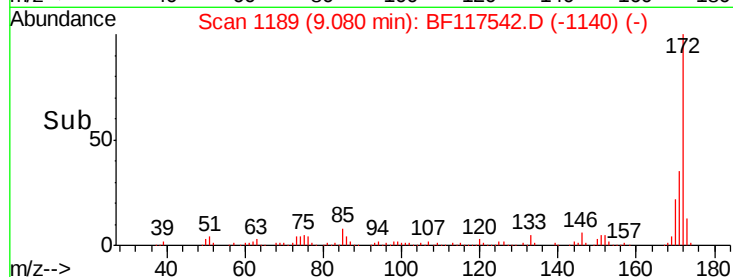
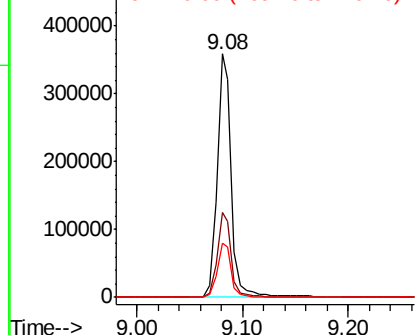
#45
2-Fluorobiphenyl
Concen: 76.740 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
CHRT-26706

Tot Ion:172 Resp: 342104
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 22.2 18.6 27.8

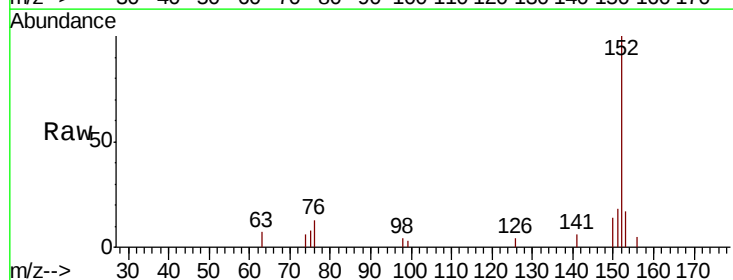


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

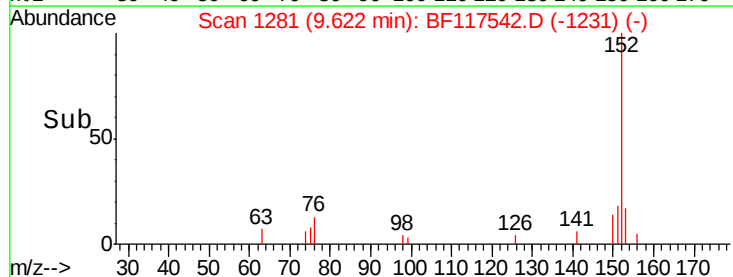
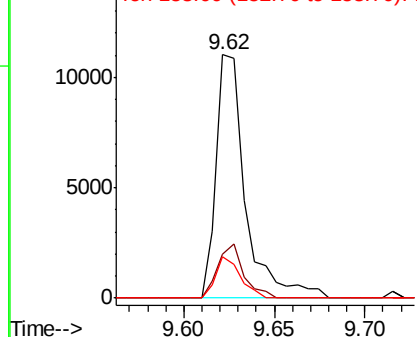


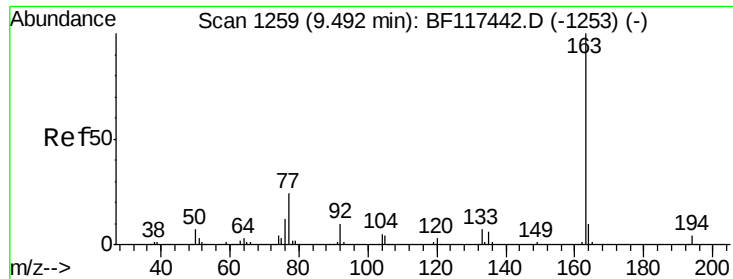
#49
Acenaphthylene
Concen: 2.149 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:152 Resp: 12373
Ion Ratio Lower Upper
152 100
151 18.2 15.4 23.0
153 16.9 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 8.203 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

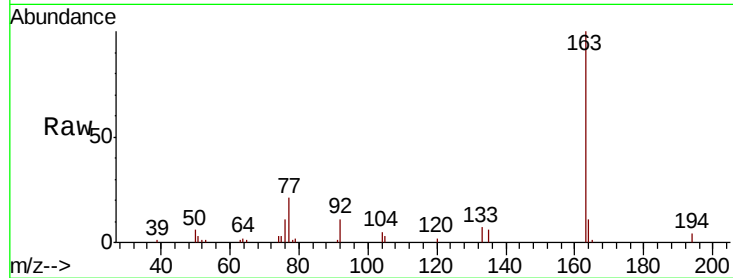
Tot Ion:163 Resp: 36732

Ion Ratio Lower Upper

163 100

194 3.7 2.9 4.3

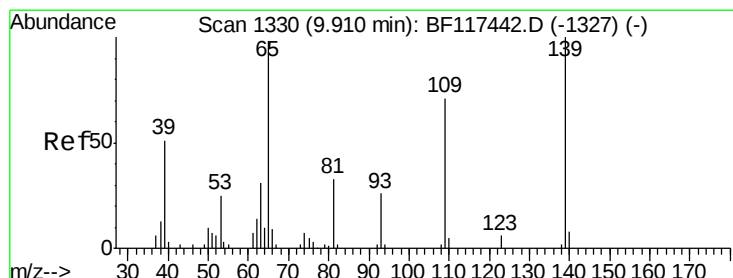
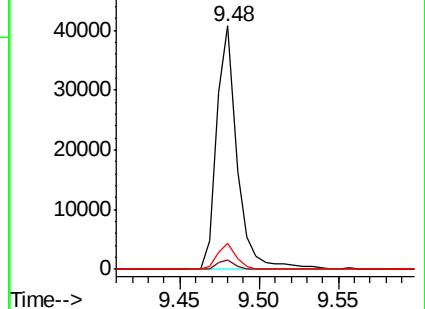
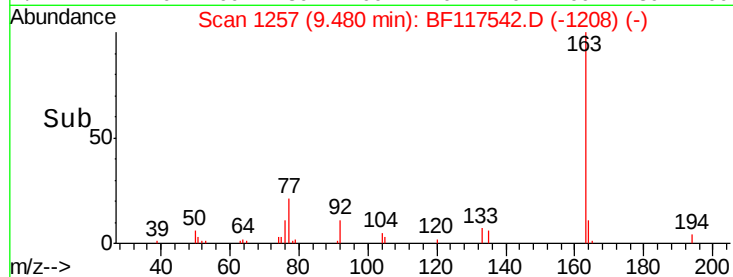
164 10.5 8.2 12.2



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



#56

4-Nitrophenol

Concen: 4.334 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.07 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

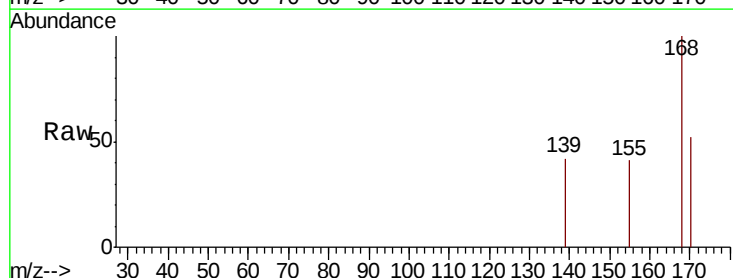
Tgt Ion:139 Resp: 112

Ion Ratio Lower Upper

139 100

109 0.0 51.4 91.4#

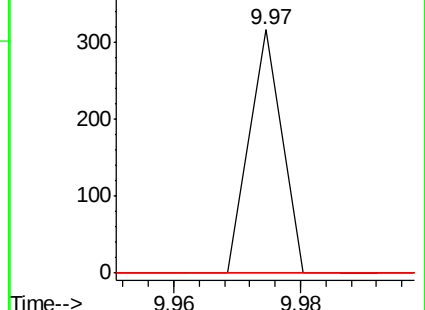
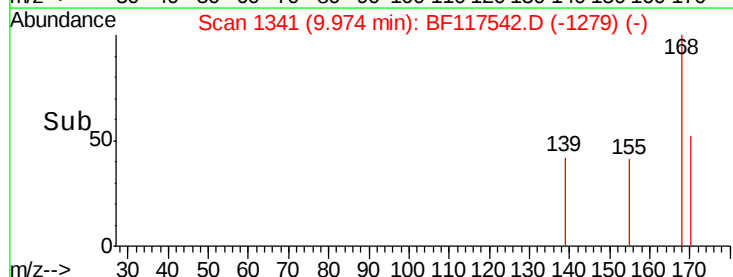
65 0.0 79.4 119.4#

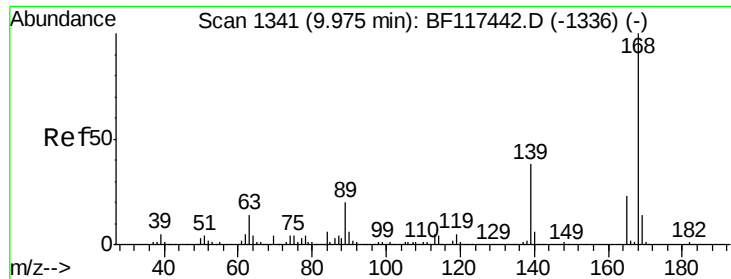


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

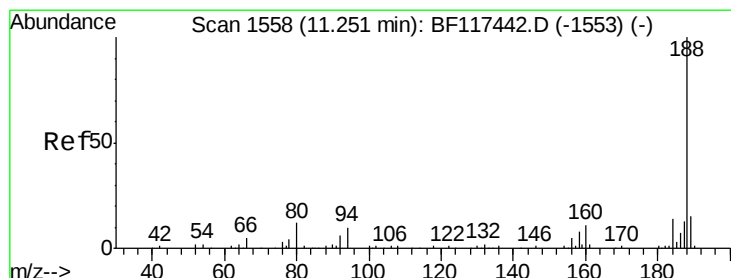
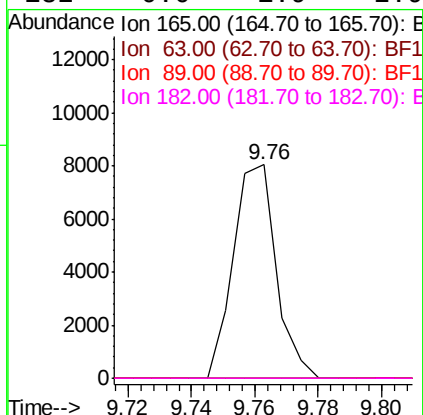
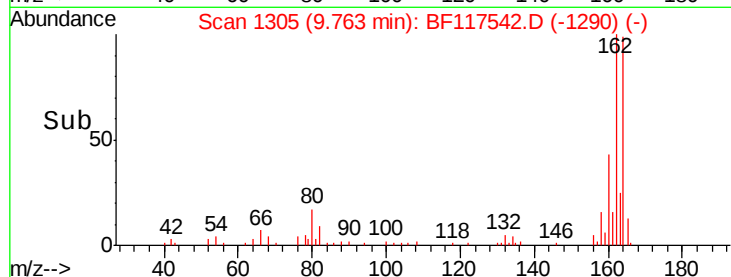
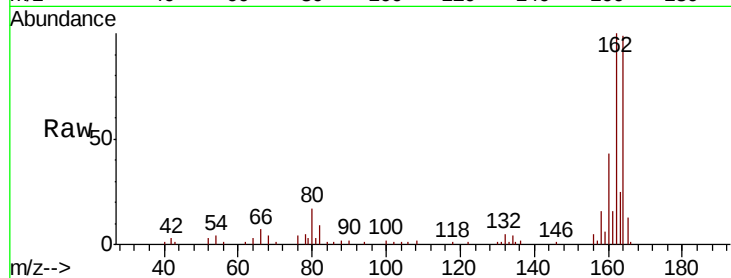




#57
2,4-Dinitrotoluene
Concen: 6.052 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

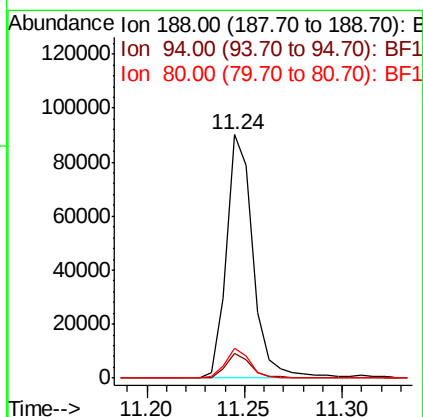
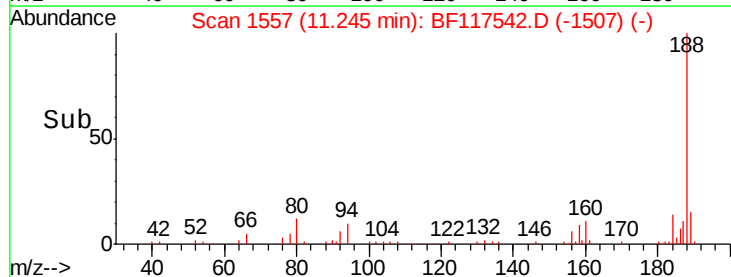
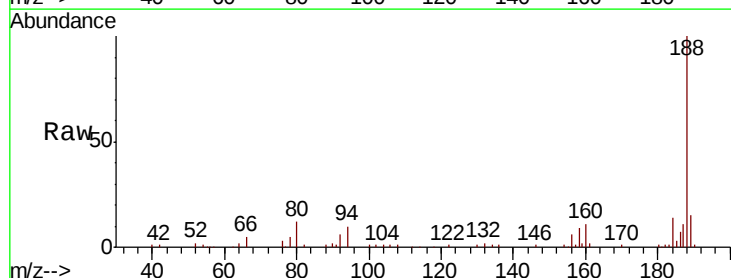
Instrument :
BNA_F
ClientSampleId :
CHRT-26706

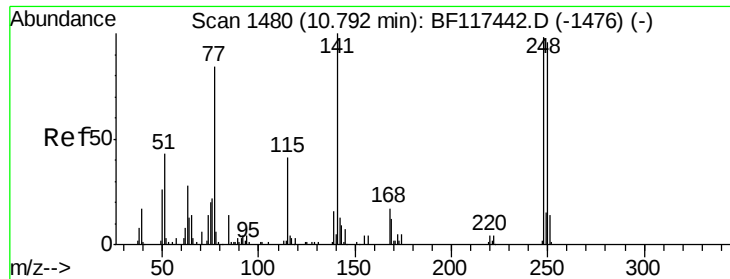
Tot Ion:165 Resp: 7519
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:188 Resp: 85393
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 12.3 9.5 14.3

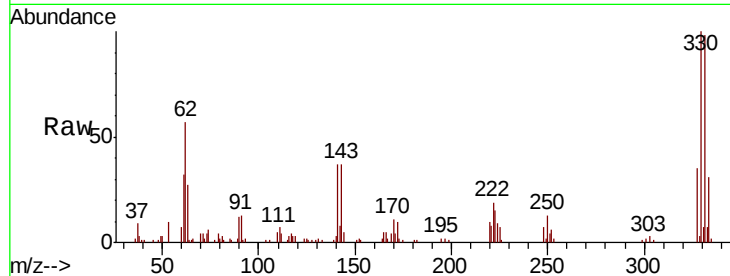




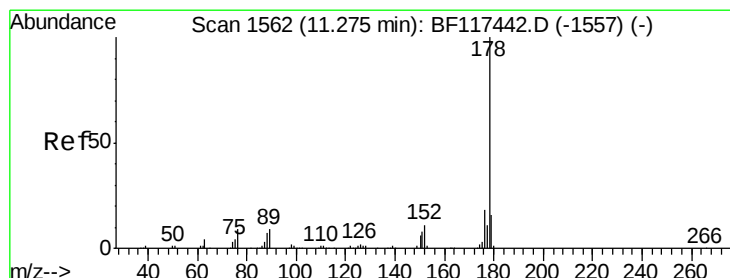
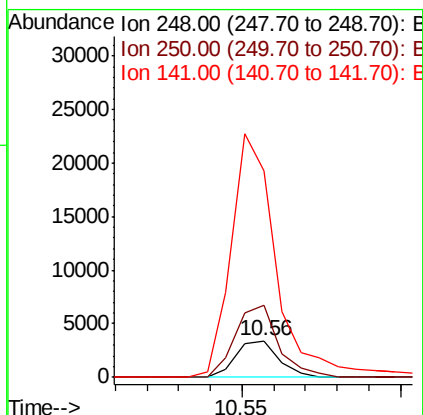
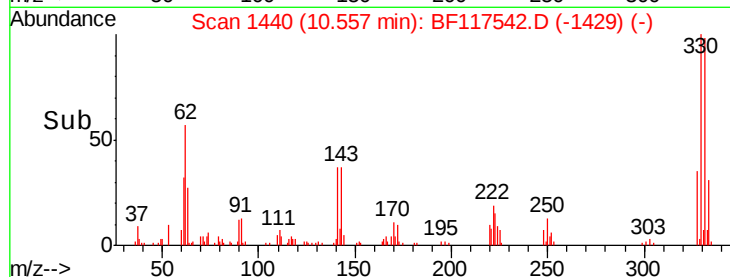
#67
 4-Bromophenyl-phenylether
 Concen: 3.446 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117542.D
 Acq: 25 Oct 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26706

Tot Ion:248 Resp: 3170
 Ion Ratio Lower Upper
 248 100
 250 197.2 78.0 117.0#
 141 570.1 81.7 122.5#

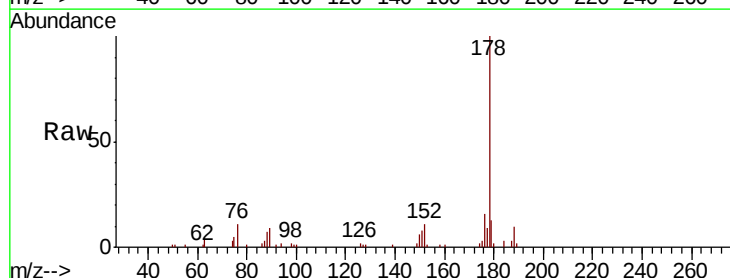


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

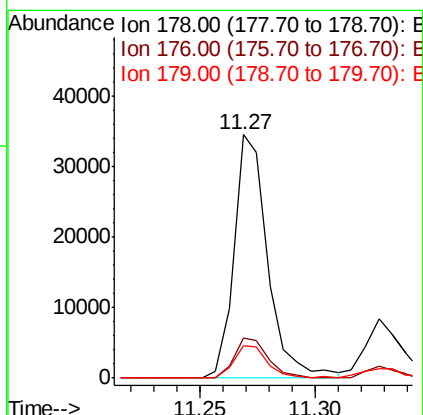
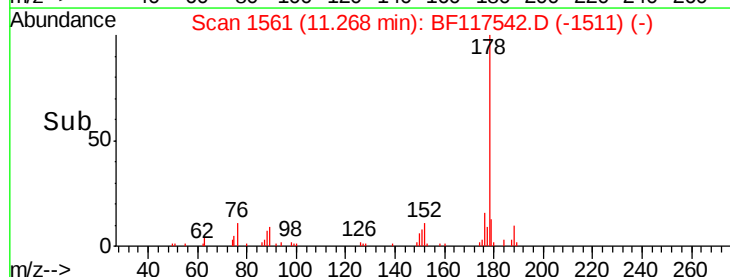


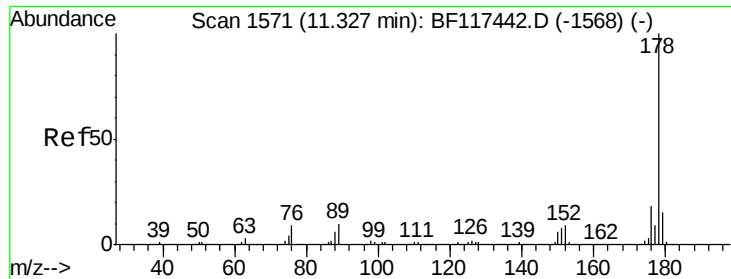
#71
 Phenanthrene
 Concen: 7.102 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF117542.D
 Acq: 25 Oct 2019 18:00

Tgt Ion:178 Resp: 35215
 Ion Ratio Lower Upper
 178 100
 176 16.2 14.6 22.0
 179 13.2 12.6 19.0



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





#72

Anthracene

Concen: 2.124 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

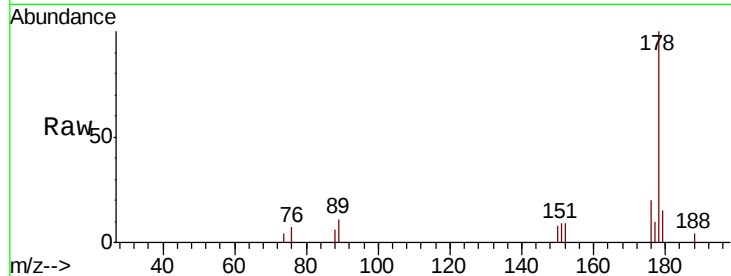
Tot Ion:178 Resp: 10804

Ion Ratio Lower Upper

178 100

176 19.7 14.7 22.1

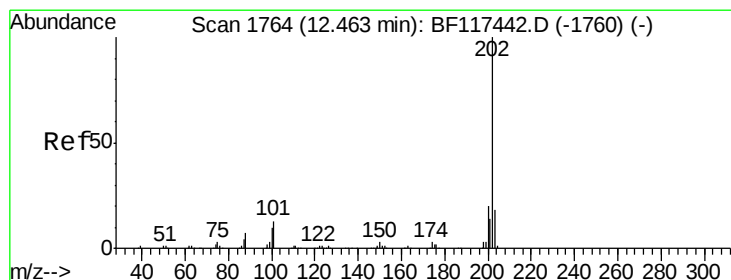
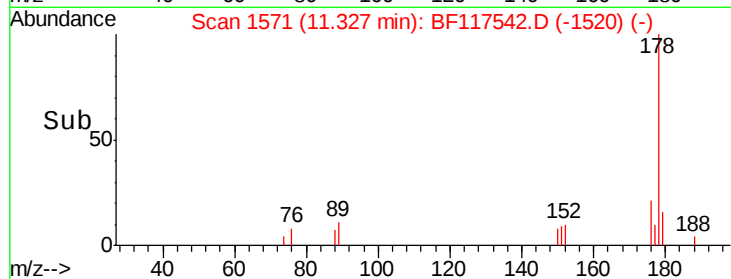
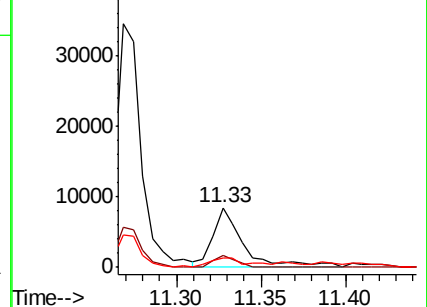
179 15.1 12.2 18.2



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: 5.114 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

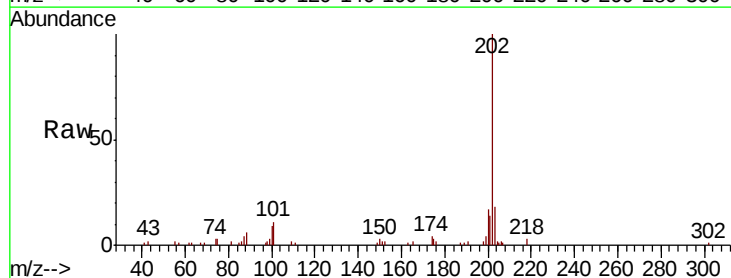
Tgt Ion:202 Resp: 25385

Ion Ratio Lower Upper

202 100

101 10.7 0.0 32.7

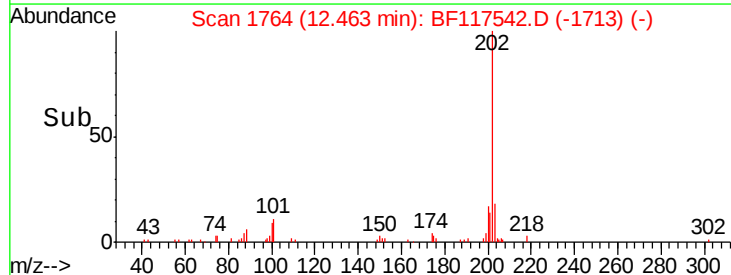
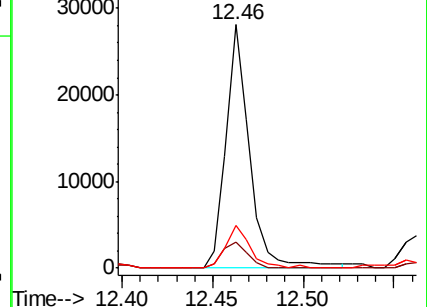
203 17.7 0.0 37.6

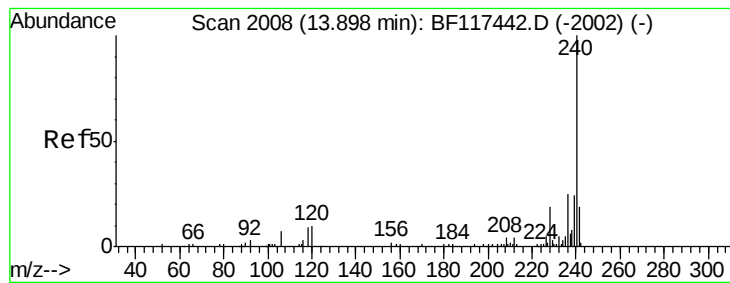


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

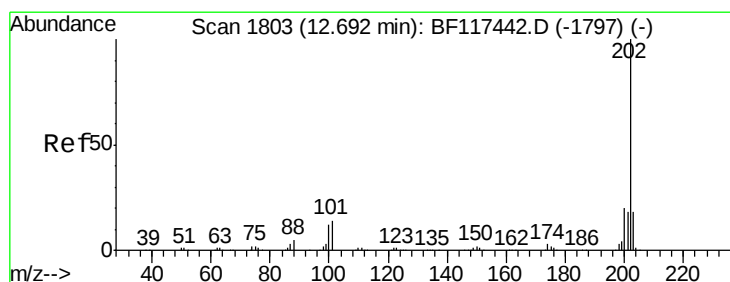
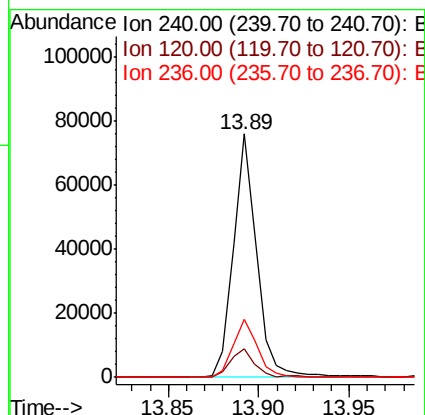
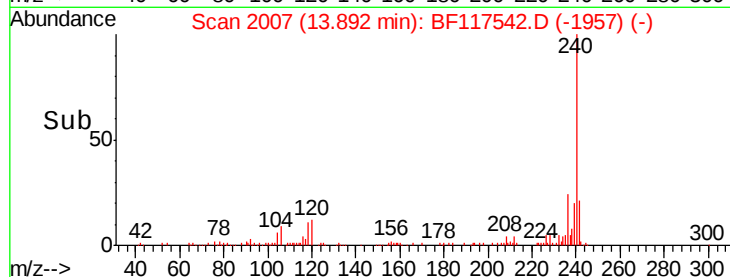
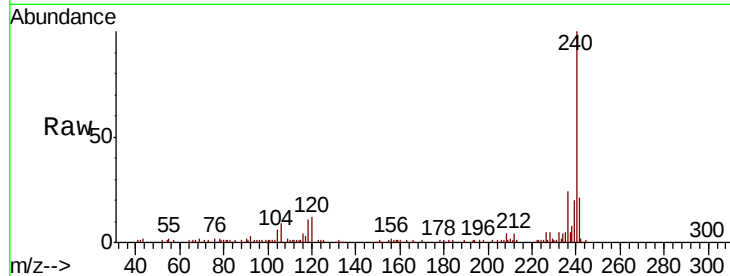
Tot Ion:240 Resp: 68365

Ion Ratio Lower Upper

240 100

120 11.9 8.4 12.6

236 23.6 20.0 30.0



#78

Pyrene

Concen: 6.976 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

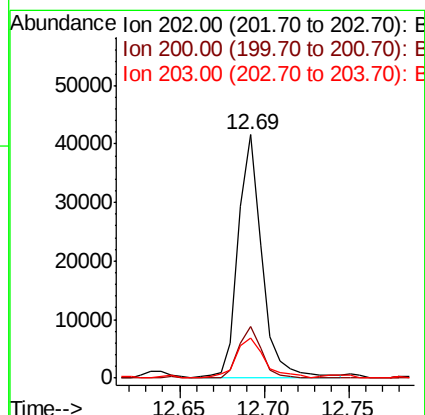
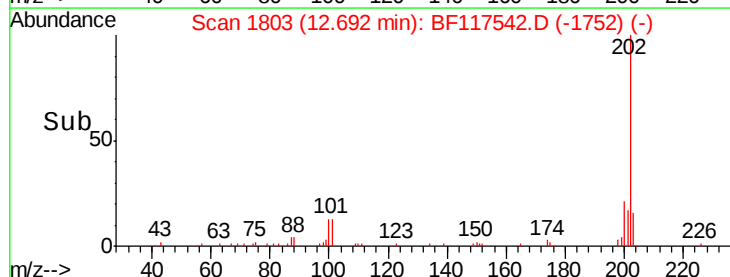
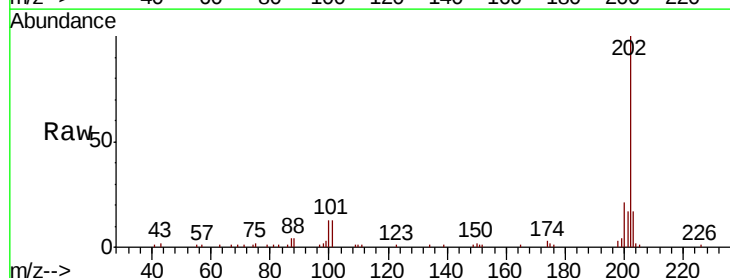
Tgt Ion:202 Resp: 40965

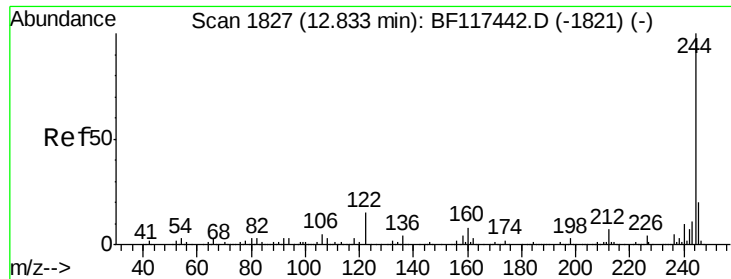
Ion Ratio Lower Upper

202 100

200 21.1 16.2 24.2

203 16.6 14.0 21.0

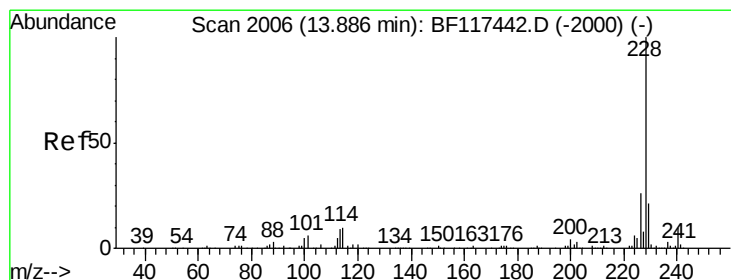
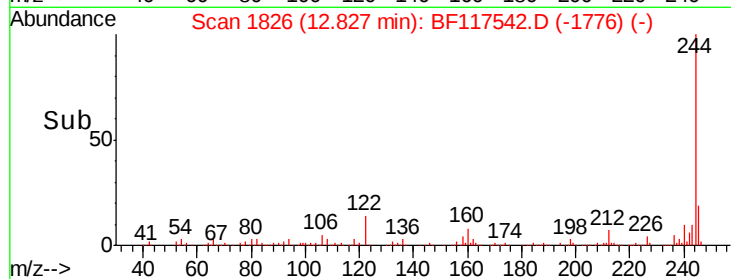
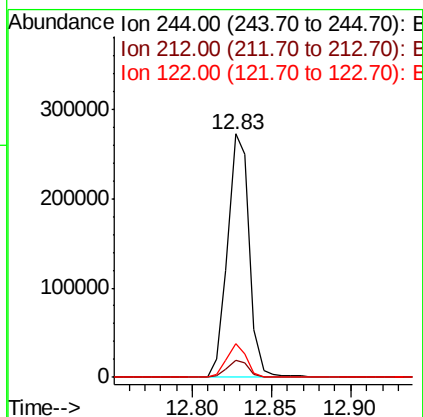
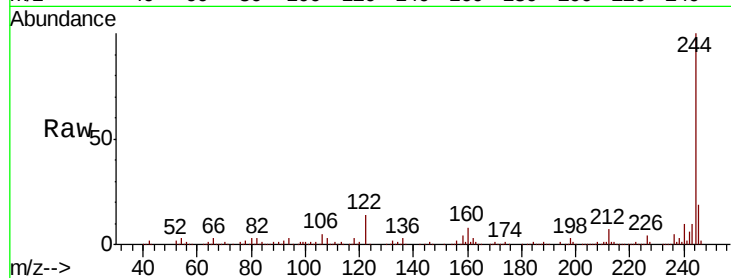




#79
 Terphenyl-d14
 Concen: 62.067 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117542.D
 Acq: 25 Oct 2019 18:00

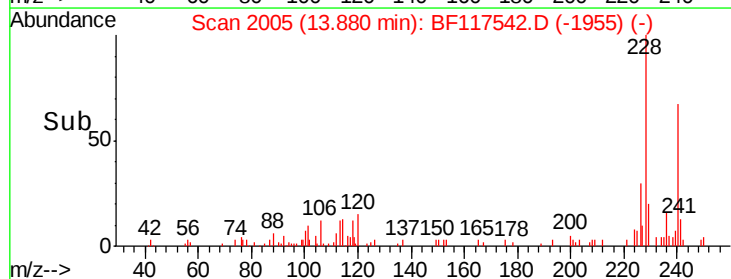
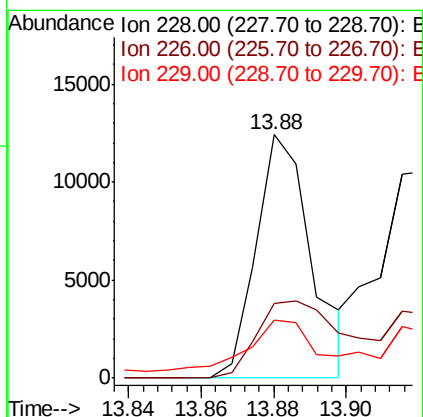
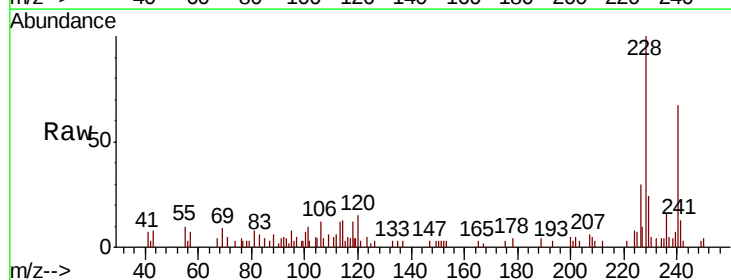
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26706

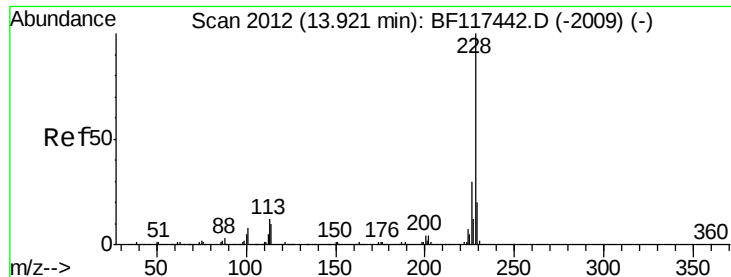
Tot Ion:244 Resp: 260140
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 14.1 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 2.856 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117542.D
 Acq: 25 Oct 2019 18:00

Tgt Ion:228 Resp: 13169
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.0 31.4
 229 23.6 16.4 24.6

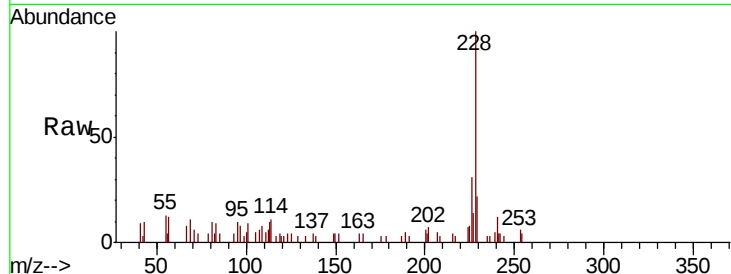




#83
Chrysene
Concen: 3.072 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
CHRT-26706

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	22.4	15.8	23.6

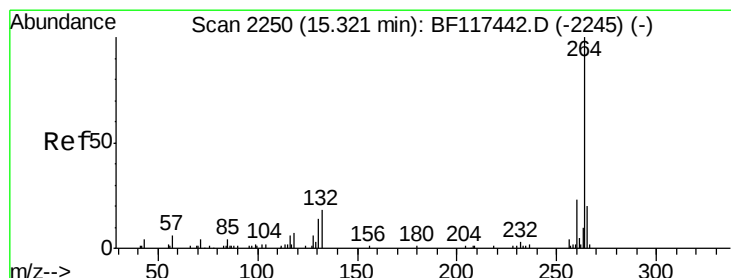
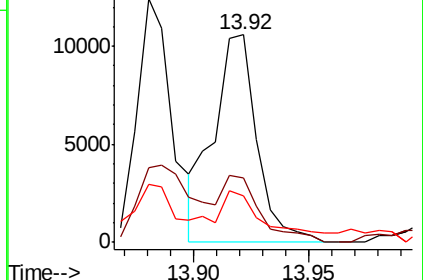
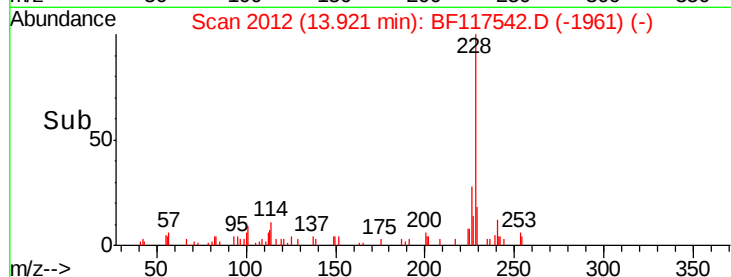


Abundance

Ion 228.00 (227.70 to 228.70): E

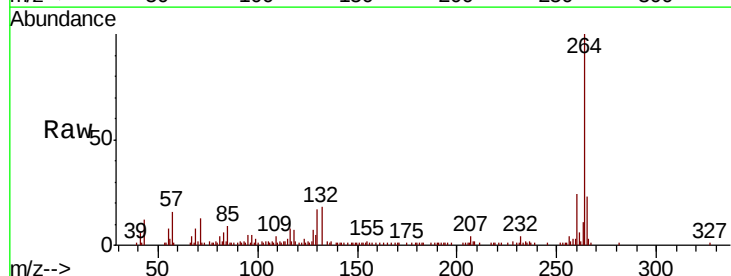
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.5	16.1	24.1

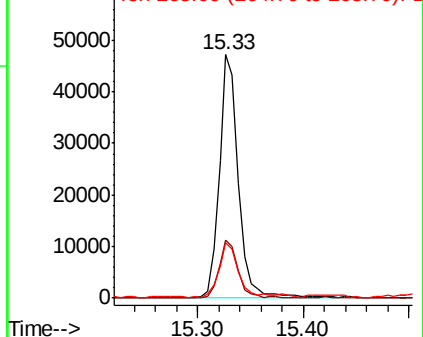
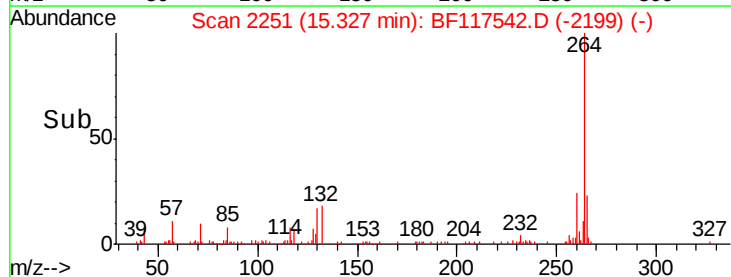


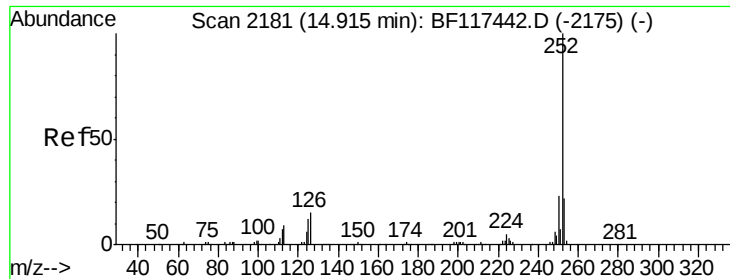
Abundance

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: 4.224 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

Instrument :

BNA_F

ClientSampleId :

CHRT-26706

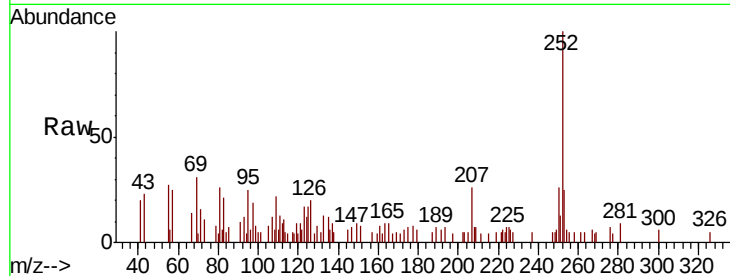
Tot Ion:252 Resp: 14911

Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.6

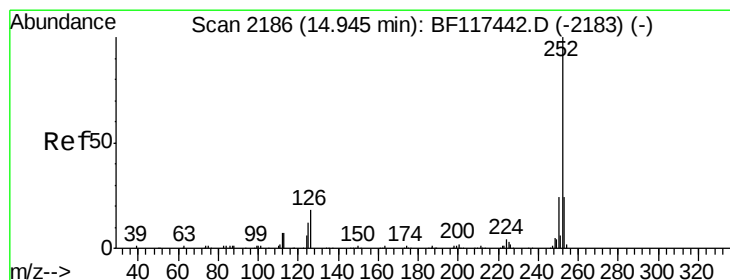
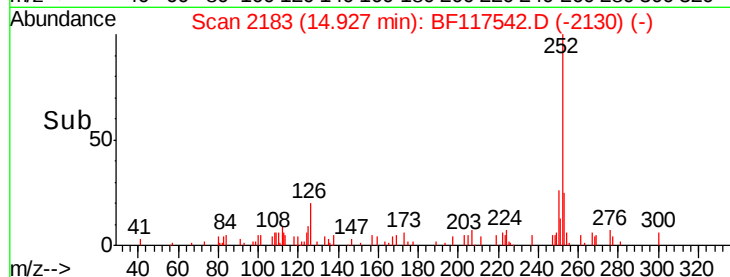
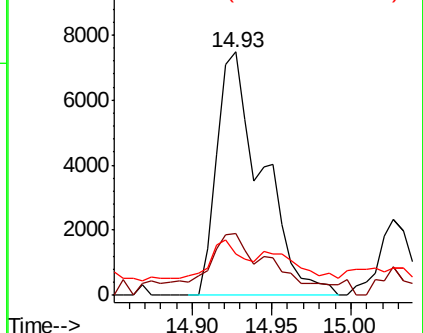
125 17.1 9.9 14.9#



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: 4.121 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117542.D

Acq: 25 Oct 2019 18:00

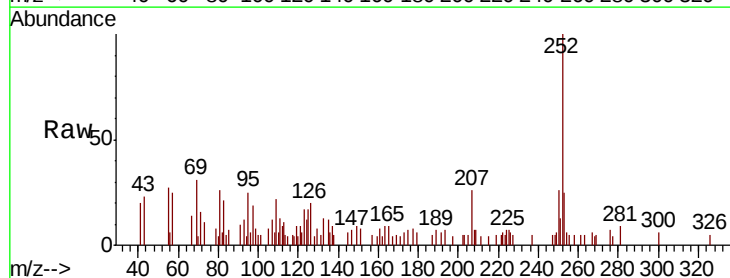
Tgt Ion:252 Resp: 14911

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

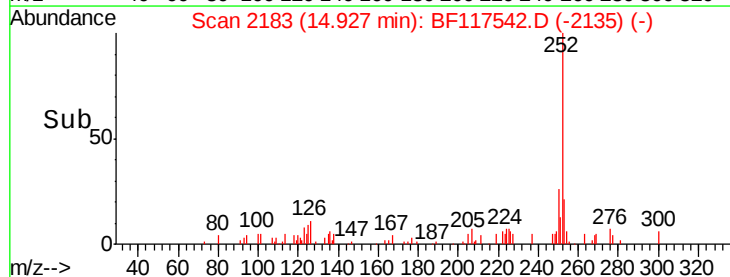
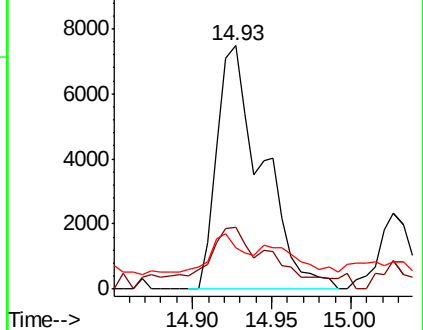
125 17.1 8.9 13.3#

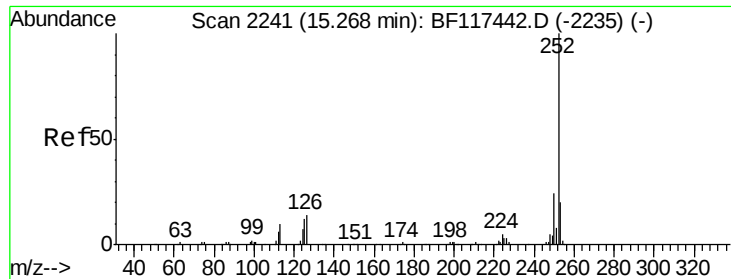


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

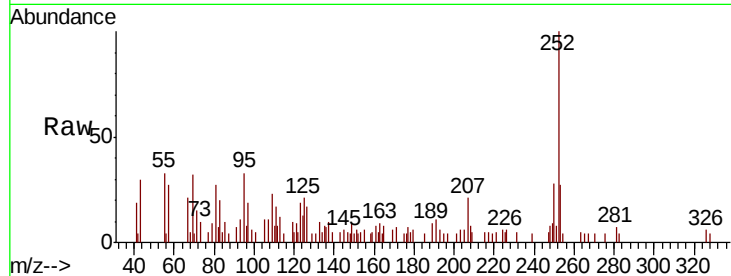




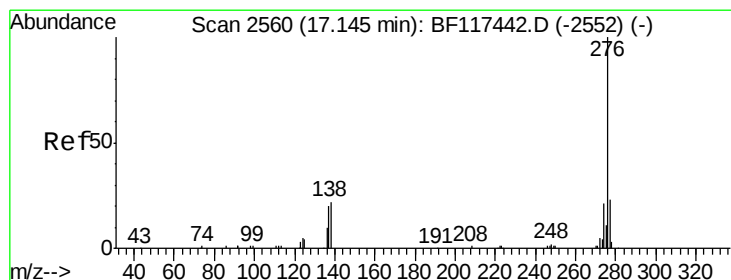
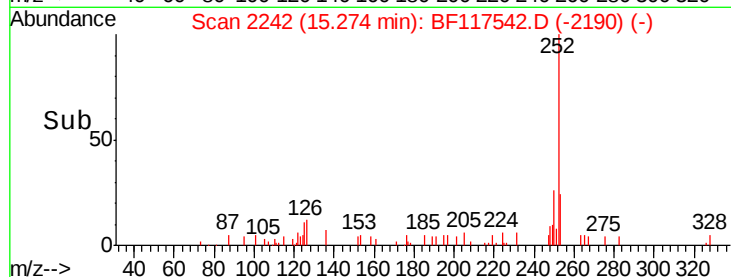
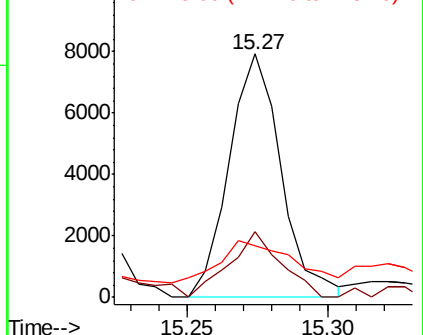
#90
Benzo(a)pyrene
Concen: 3.162 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Instrument :
BNA_F
ClientSampleId :
CHRT-26706

Tot Ion:252 Resp: 10148
Ion Ratio Lower Upper
252 100
253 27.2 16.3 24.5#
125 21.3 9.2 13.8#

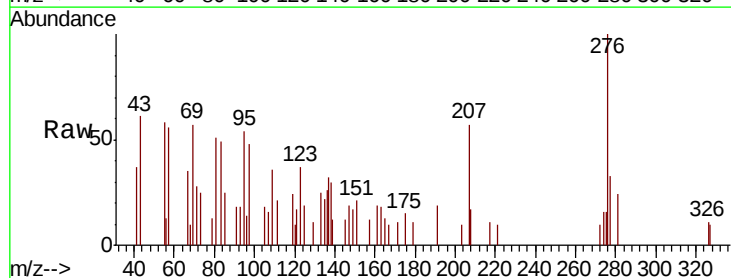


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.281 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF117542.D
Acq: 25 Oct 2019 18:00

Tgt Ion:276 Resp: 5990
Ion Ratio Lower Upper
276 100
277 32.5 18.4 27.6#
138 30.5 17.8 26.6#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

