

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100319\
 Data File : BF117331.D
 Acq On : 3 Oct 2019 21:58
 Operator : JU
 Sample : K5144-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Quant Time: Oct 04 03:21:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	55618	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	218206	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	94707	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	117283	20.00	ng	0.00
76) Chrysene-d12	13.97	240	96272	20.00	ng	0.00
87) Perylene-d12	15.43	264	93472	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	257576	72.30	ng	0.00
7) Phenol-d6	6.45	99	362126	78.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	228534	55.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	50570	63.89	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	378007	62.41	ng	-0.01
79) Terphenyl-d14	12.90	244	241499	46.89	ng	-0.01

Target Compounds

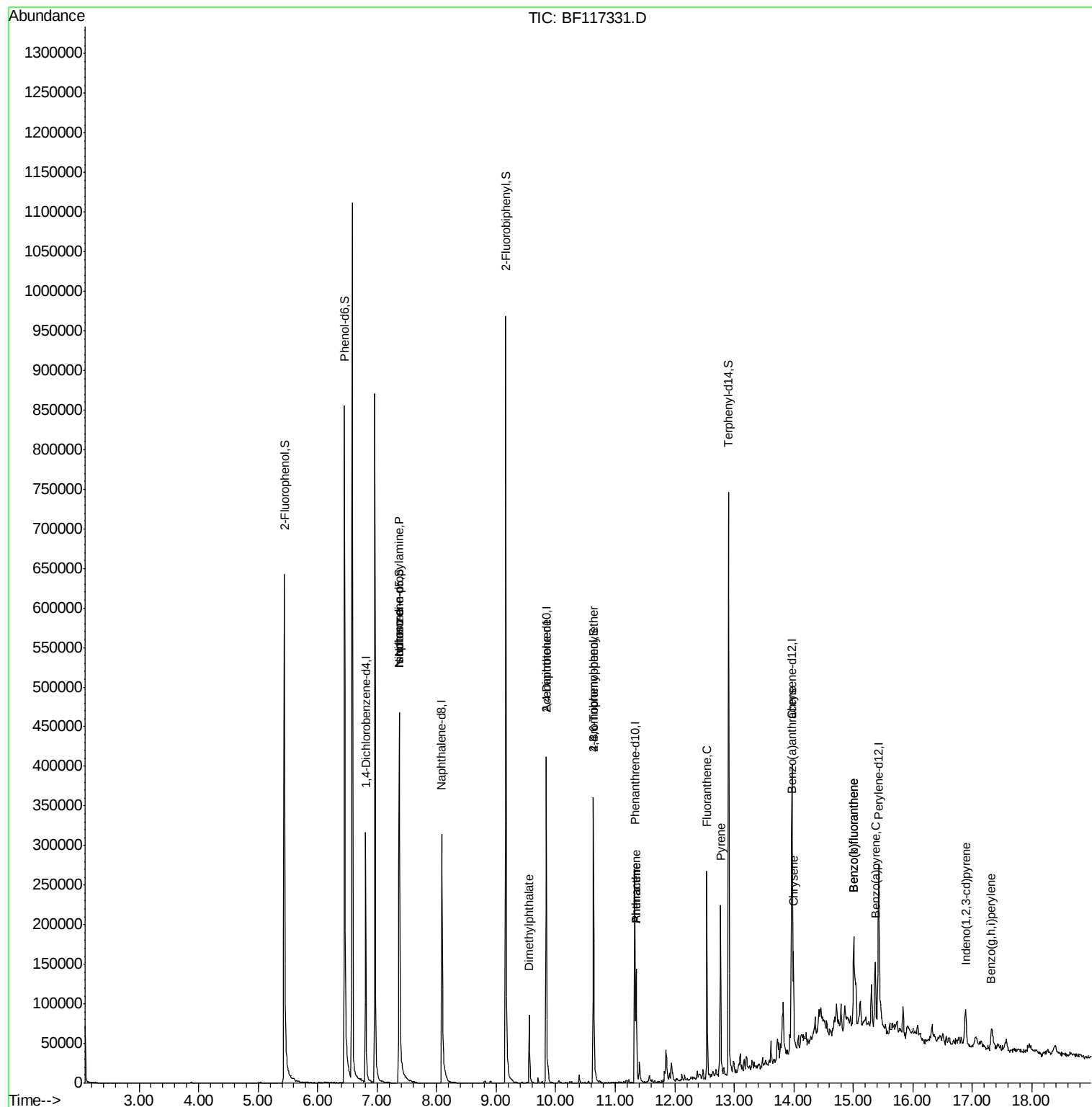
						Qvalue
9) Benzaldehyde	6.45	77	437	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	28983	10.338 ng	#	82
25) Isophorone	7.37	82	228533	31.080 ng	#	66
50) Dimethylphthalate	9.56	163	47927	7.147 ng		99
57) 2,4-Dinitrotoluene	9.84	165	12004	6.771 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	2723	2.273 ng	#	1
71) Phenanthrene	11.35	178	58495	8.781 ng		97
72) Anthracene	11.35	178	58495	8.601 ng		98
75) Fluoranthene	12.54	202	107599	15.720 ng		98
78) Pyrene	12.77	202	97214	12.035 ng		96
81) Benzo(a)anthracene	13.96	228	53453	8.310 ng		97
83) Chrysene	13.99	228	49894	7.953 ng		97
86) Indeno(1,2,3-cd)pyrene	16.88	276	21573	4.714 ng		94
88) Benzo(b)fluoranthene	15.00	252	81425	14.381 ng	#	97
89) Benzo(k)fluoranthene	15.00	252	81425	15.182 ng	#	96
90) Benzo(a)pyrene	15.37	252	40014	8.054 ng	#	91
92) Benzo(g,h,i)perylene	17.32	276	19659	4.984 ng		99

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

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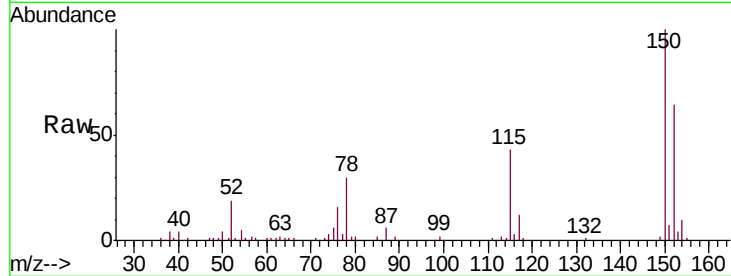


#1

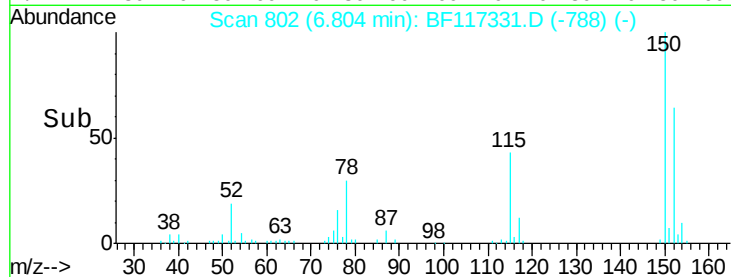
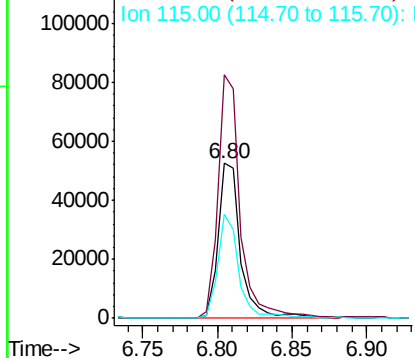
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:152 Resp: 55618
Ion Ratio Lower Upper
152 100
150 157.0 127.5 191.3
115 67.1 55.0 82.4



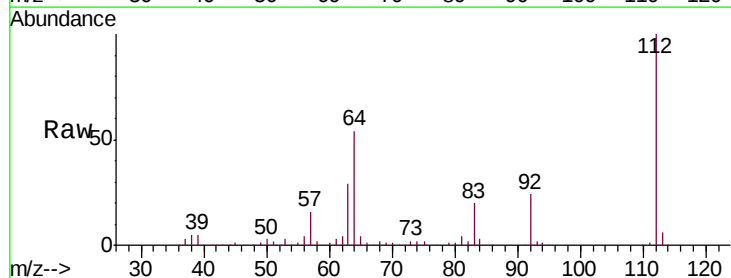
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



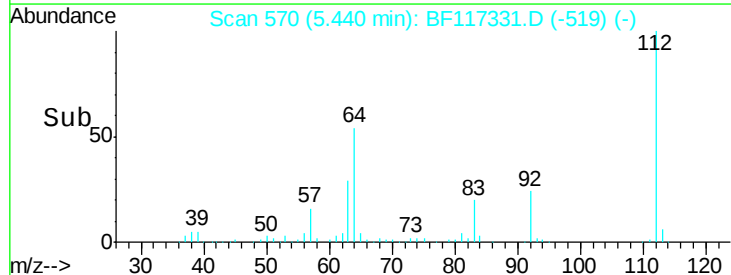
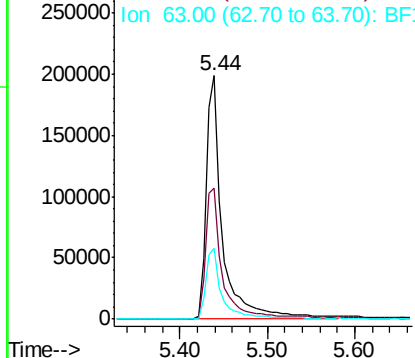
#5

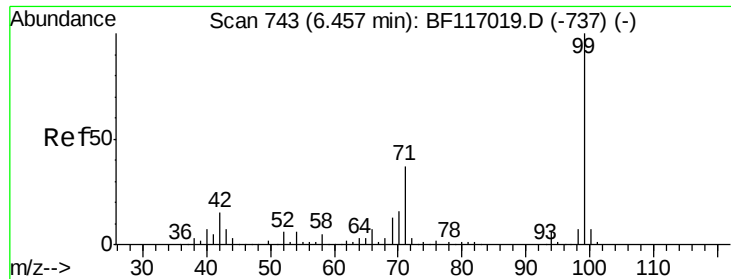
2-Fluorophenol
Concen: 72.304 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion:112 Resp: 257576
Ion Ratio Lower Upper
112 100
64 53.6 45.7 68.5
63 28.9 24.9 37.3



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: 78.656 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

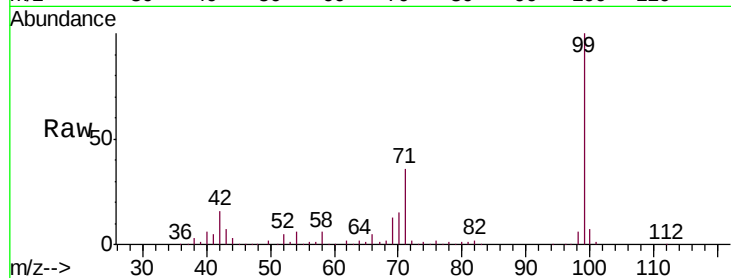
Tgt Ion: 99 Resp: 362126

Ion Ratio Lower Upper

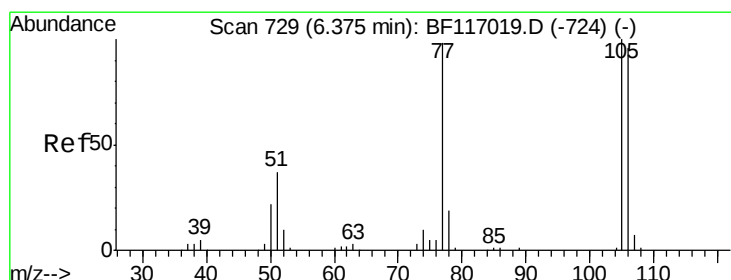
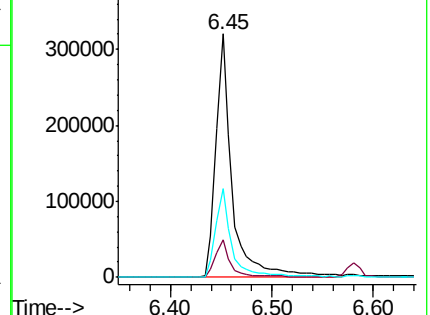
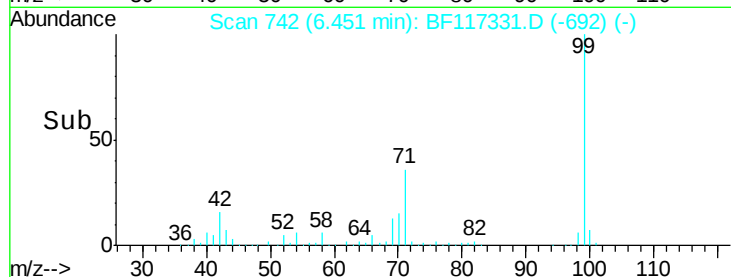
99 100

42 15.6 12.2 18.2

71 36.5 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

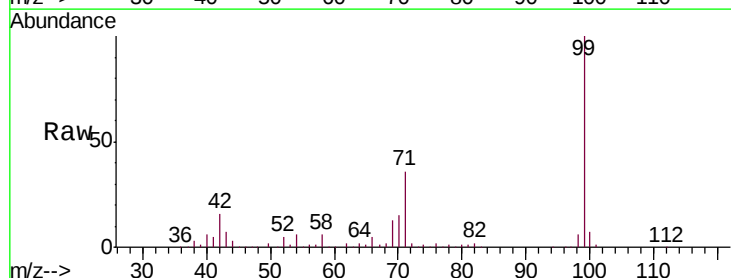
Tgt Ion: 77 Resp: 437

Ion Ratio Lower Upper

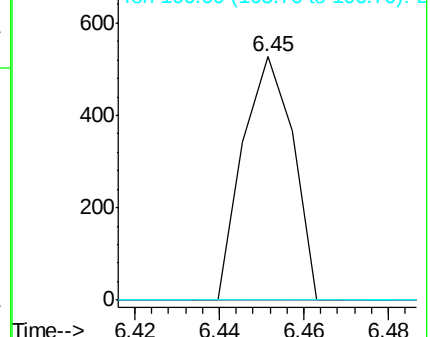
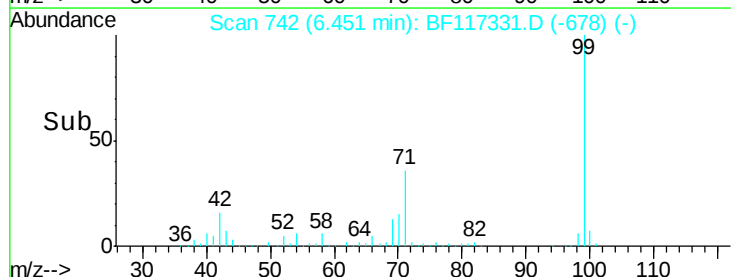
77 100

105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

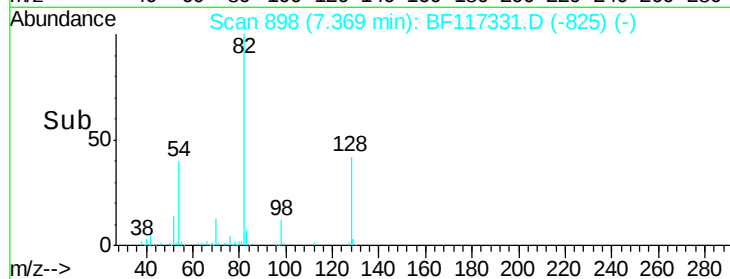
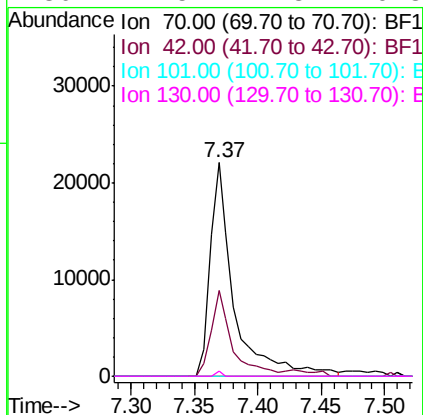
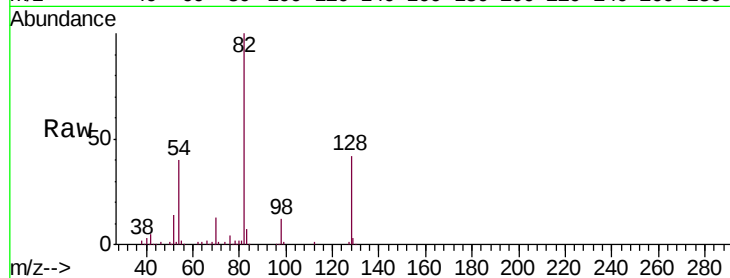




#19
n-Nitroso-di-n-propylamine
Concen: 10.338 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

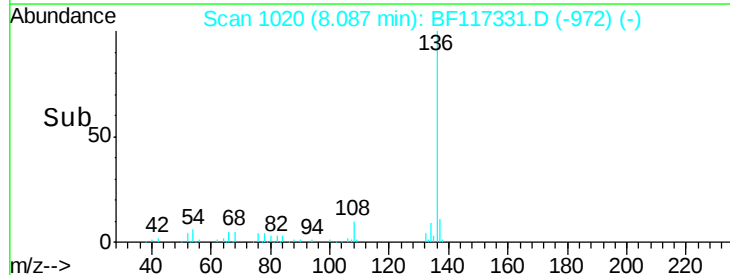
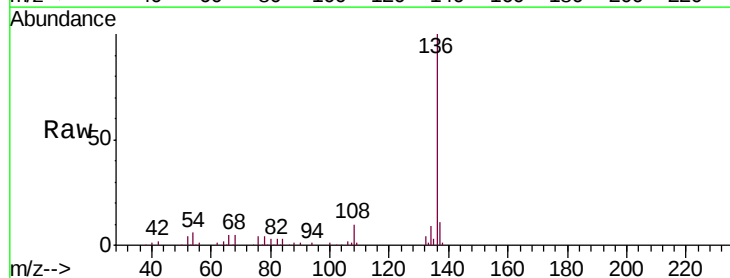
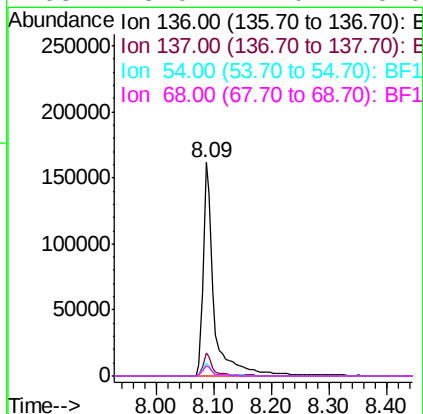
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

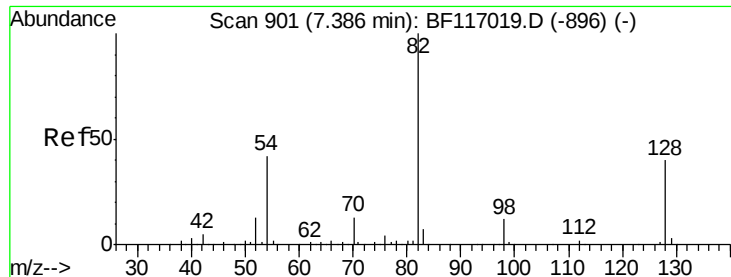
Tgt Ion: 70 Resp: 28983
Ion Ratio Lower Upper
70 100
42 40.0 34.0 51.0
101 0.0 7.8 11.6#
130 2.5 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion: 136 Resp: 218206
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 5.9 4.5 6.7
68 5.0 4.0 6.0

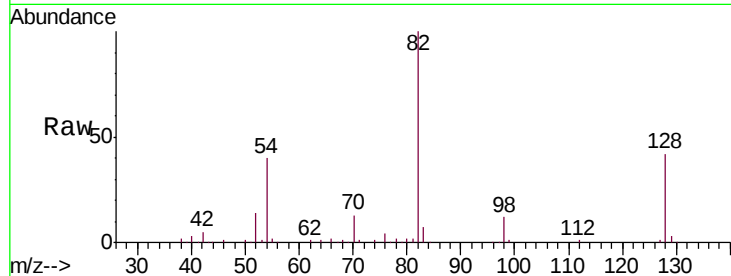




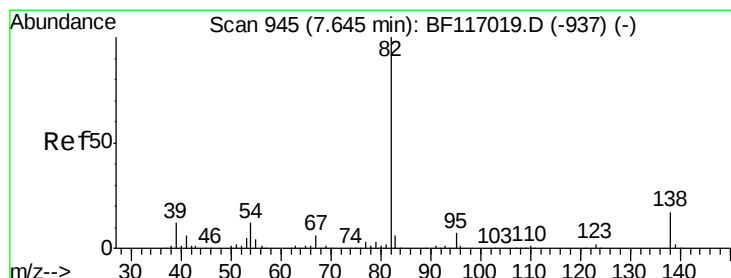
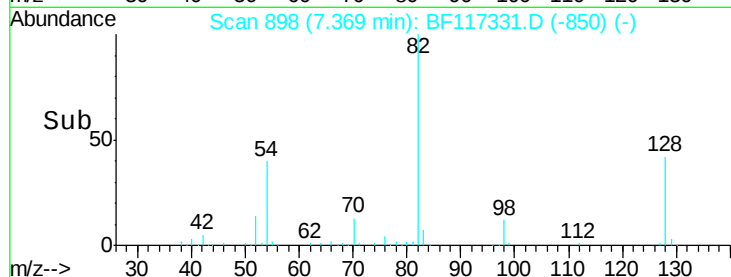
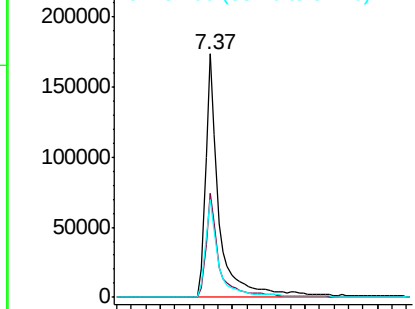
#23
 Nitrobenzene-d5
 Concen: 55.029 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	32.3	48.5
54	40.2	33.3	49.9

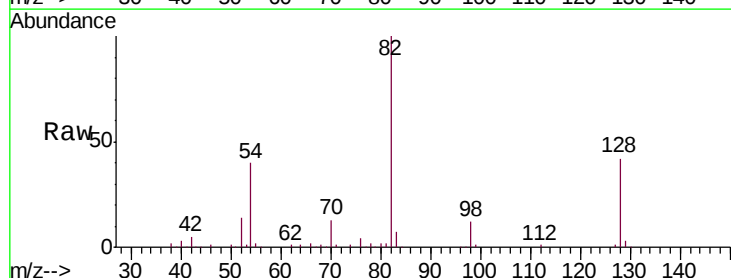


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

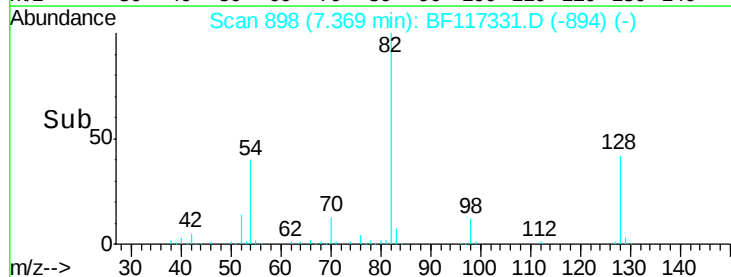
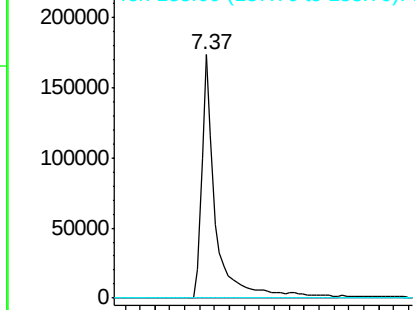


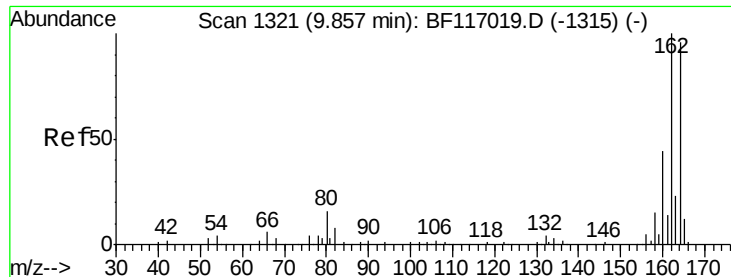
#25
 Isophorone
 Concen: 31.080 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.28 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

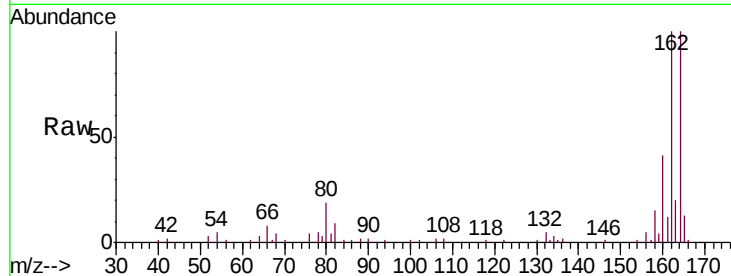




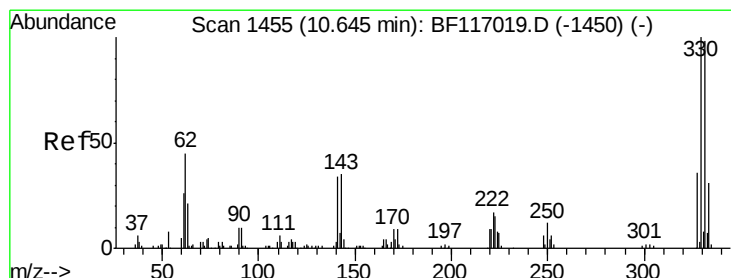
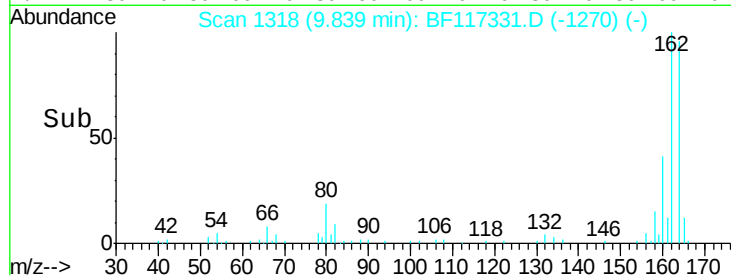
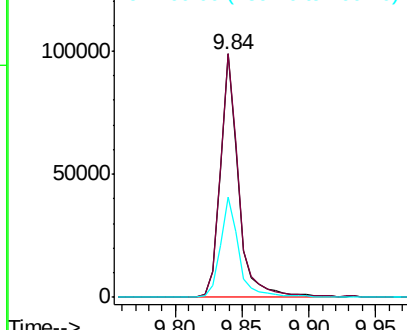
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:164 Resp: 94707
Ion Ratio Lower Upper
164 100
162 100.2 83.4 125.2
160 41.0 36.4 54.6

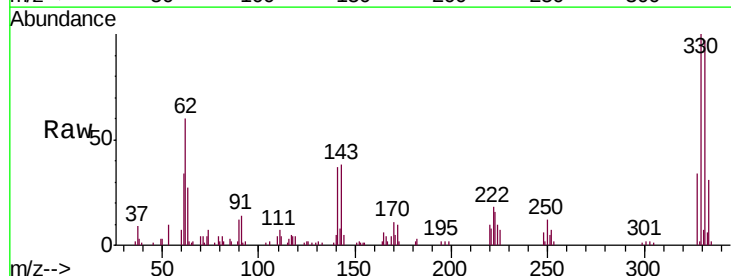


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

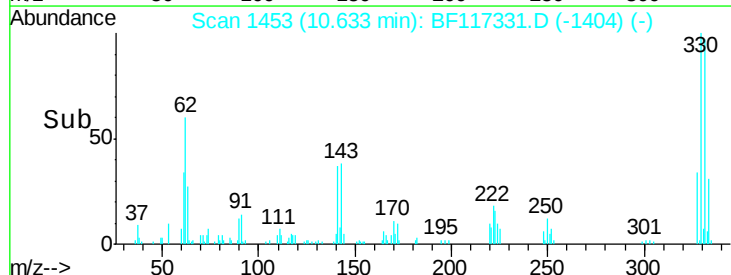
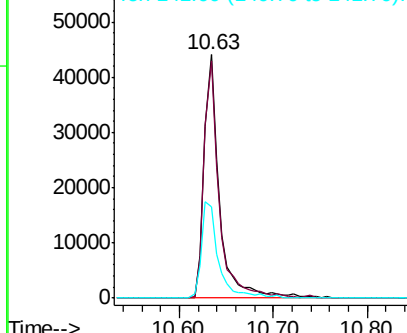


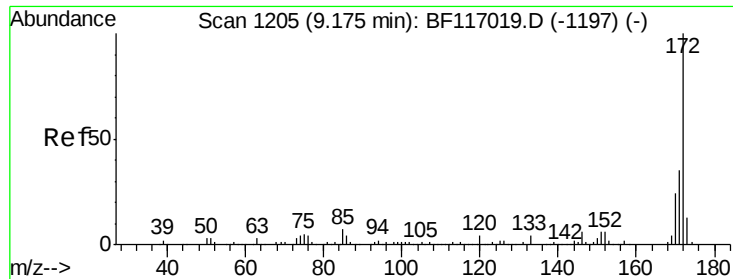
#42
2,4,6-Tribromophenol
Concen: 63.889 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion:330 Resp: 50570
Ion Ratio Lower Upper
330 100
332 96.1 78.0 117.0
141 43.4 35.8 53.6



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

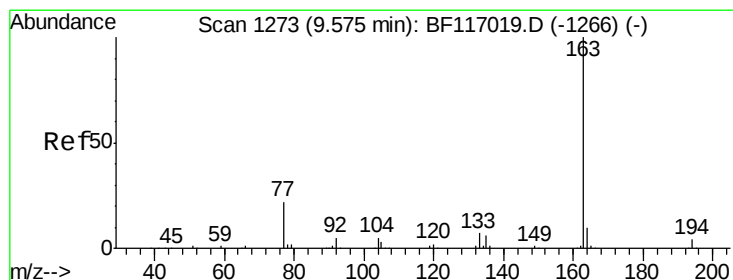
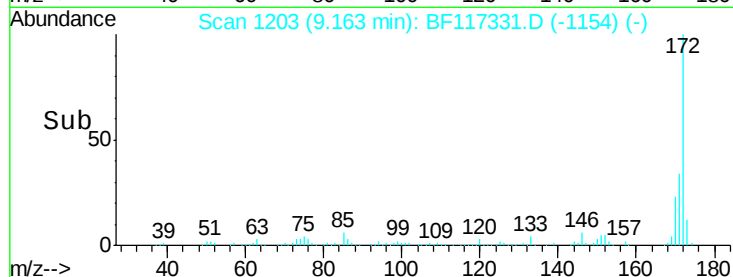
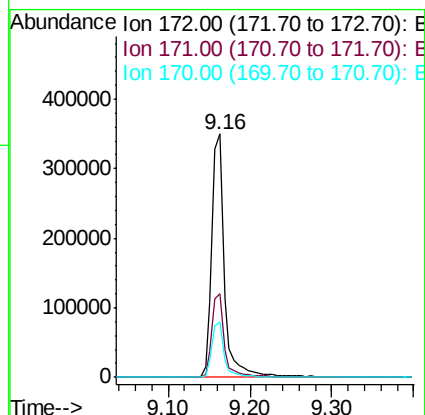
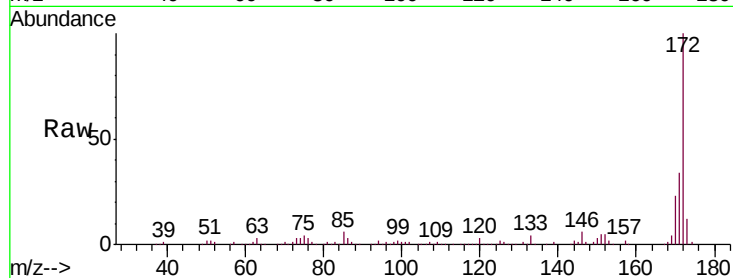




#45
2-Fluorobiphenyl
Concen: 62.407 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

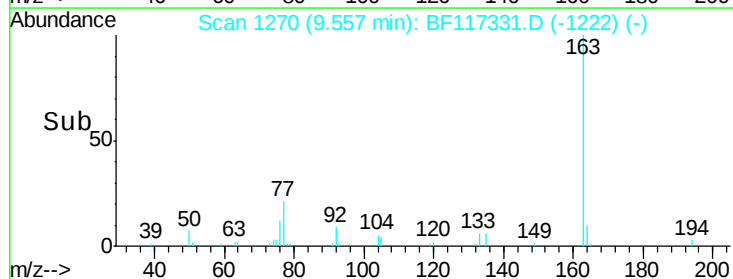
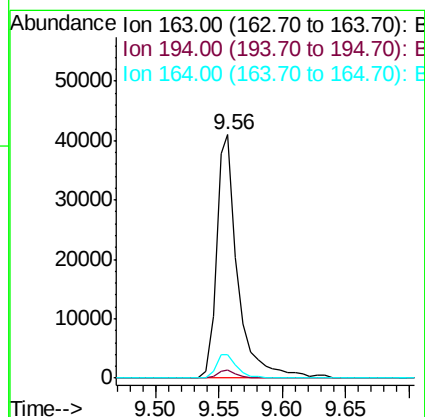
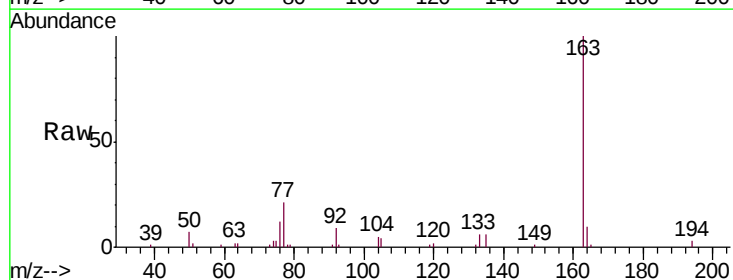
Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:172 Resp: 378007
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.2
170 22.6 18.9 28.3



#50
Dimethylphthalate
Concen: 7.147 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion:163 Resp: 47927
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 9.7 8.2 12.4

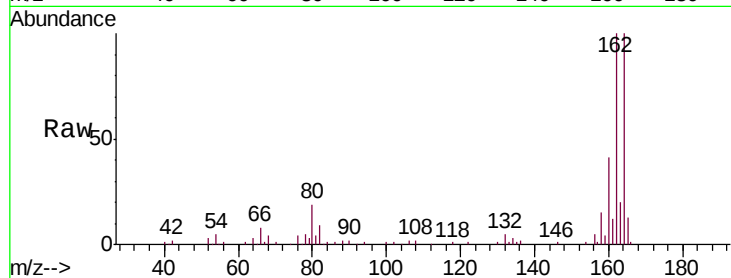




#57
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Tgt Ion:	165	Resp:	12004
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

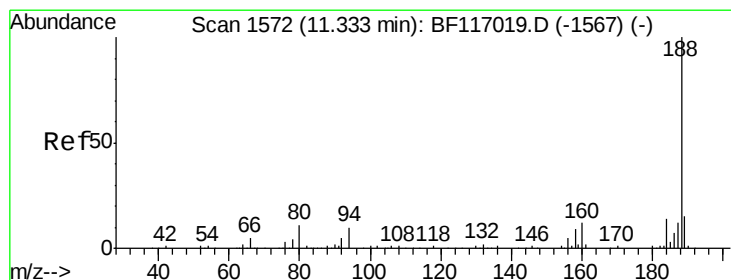
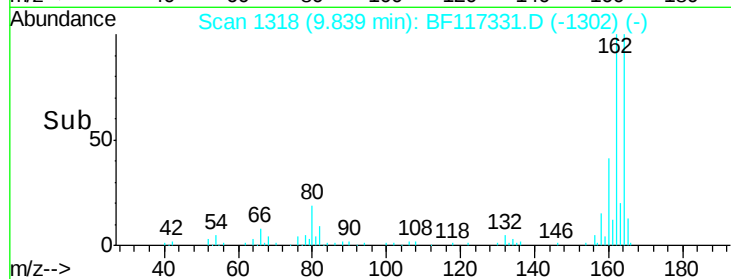
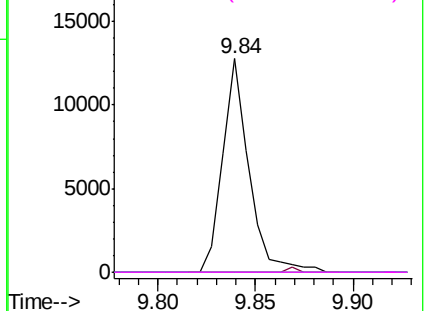


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

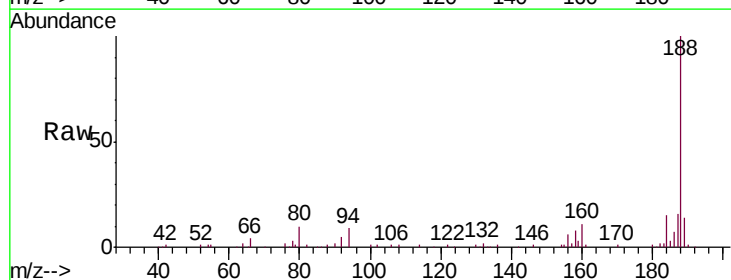
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

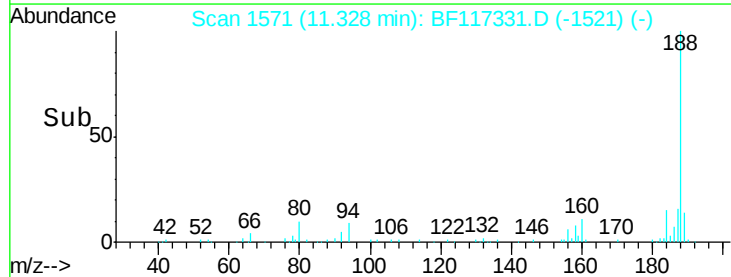
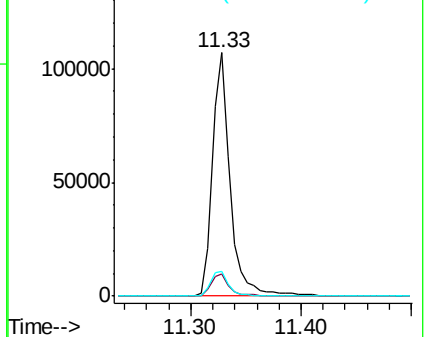
Tgt Ion:	188	Resp:	117283
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	10.3	9.0	13.6

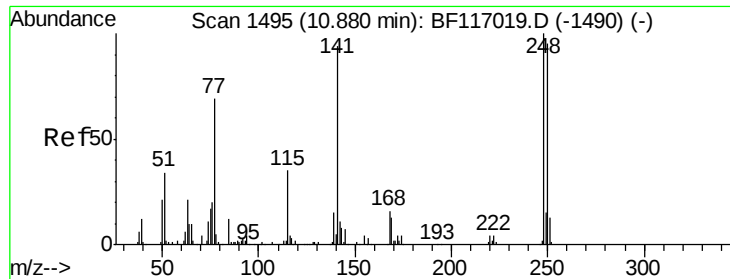


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

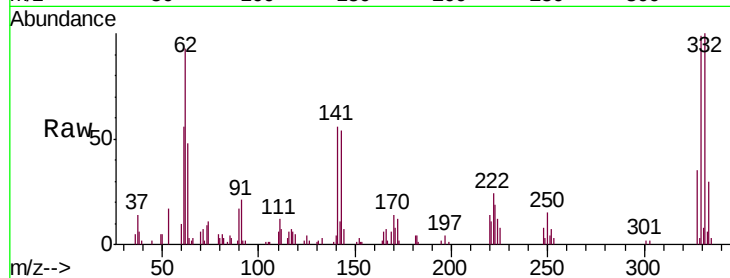




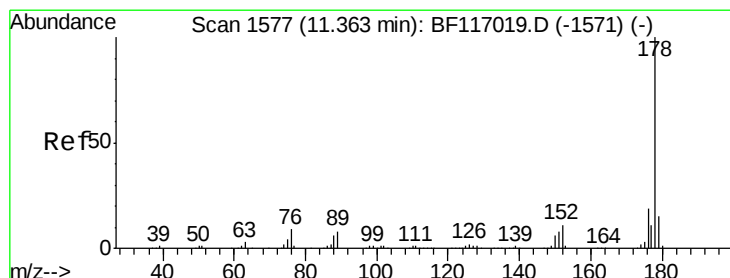
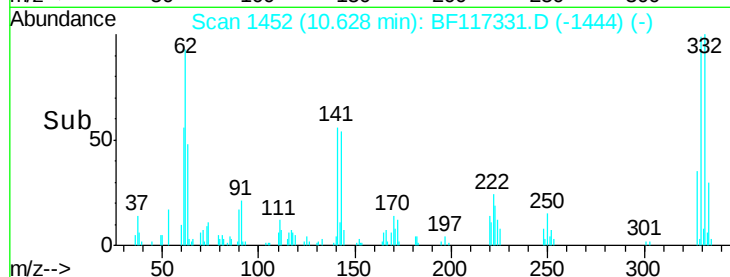
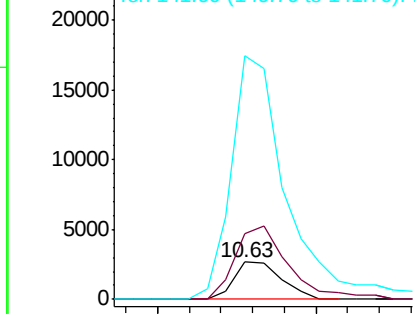
#67
 4-Bromophenyl-phenylether
 Concen: 2.273 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

Tgt Ion:248 Resp: 2723
 Ion Ratio Lower Upper
 248 100
 250 177.0 76.2 114.4#
 141 659.1 75.0 112.4#

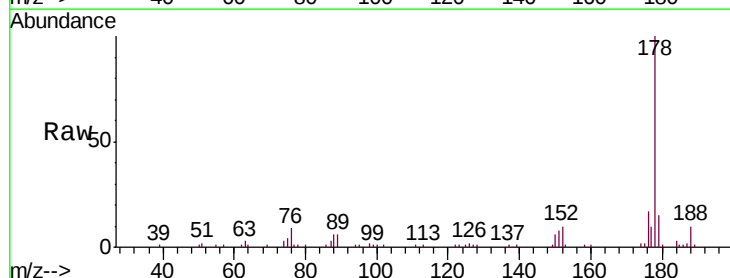


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

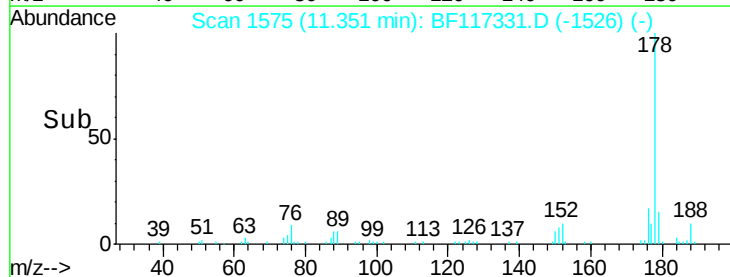
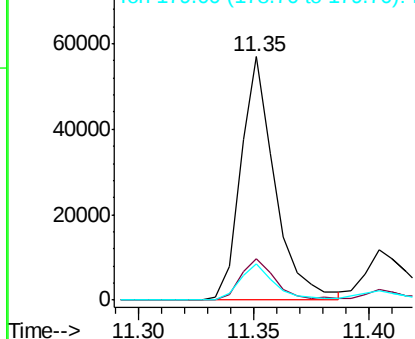


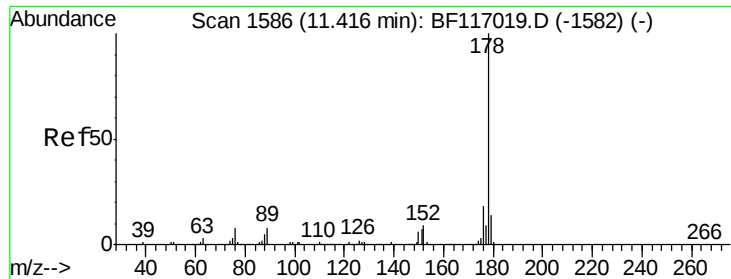
#71
 Phenanthrene
 Concen: 8.781 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Tgt Ion:178 Resp: 58495
 Ion Ratio Lower Upper
 178 100
 176 17.2 15.4 23.2
 179 15.0 12.4 18.6



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: 8.601 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.06 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

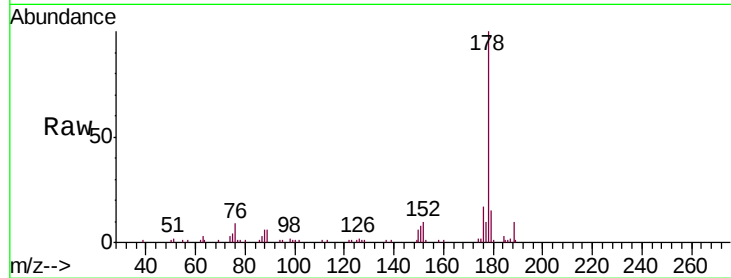
Tgt Ion:178 Resp: 58495

Ion Ratio Lower Upper

178 100

176 17.2 14.6 21.8

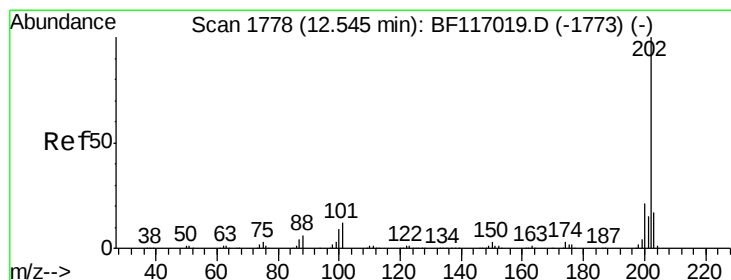
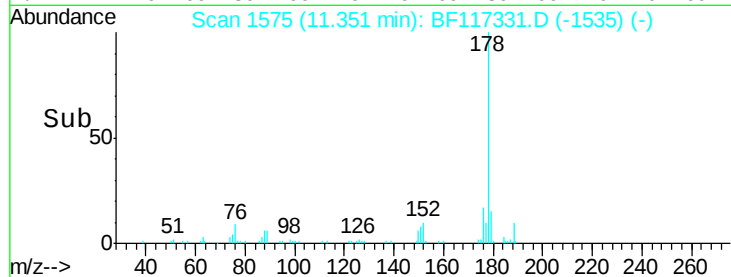
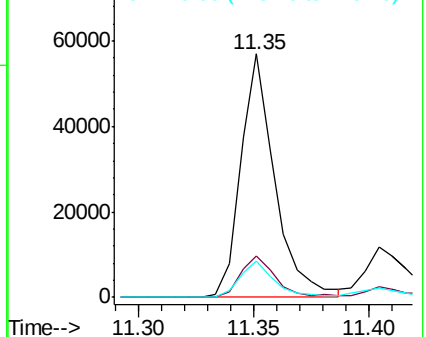
179 15.0 11.6 17.4



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: 15.720 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

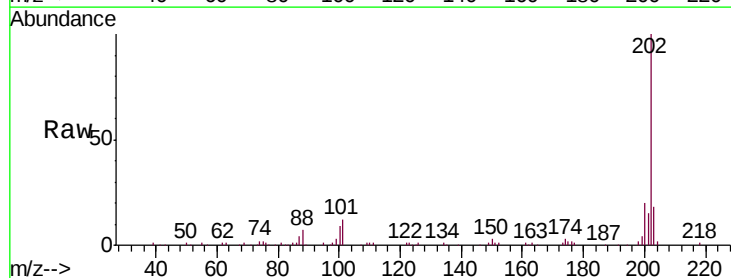
Tgt Ion:202 Resp: 107599

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

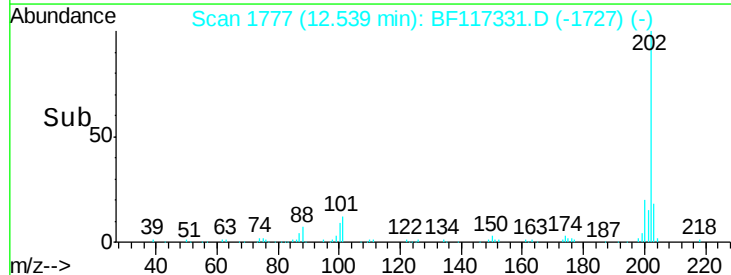
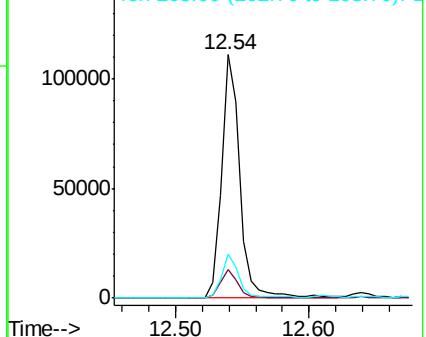
203 18.1 0.0 37.1

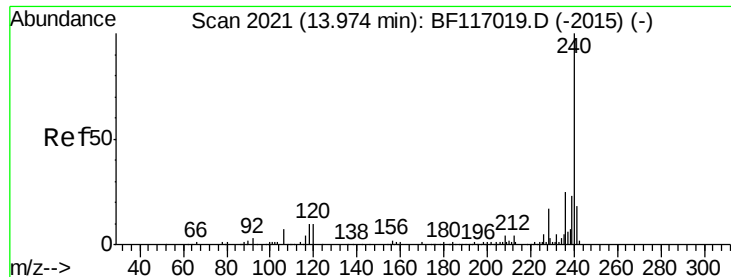


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

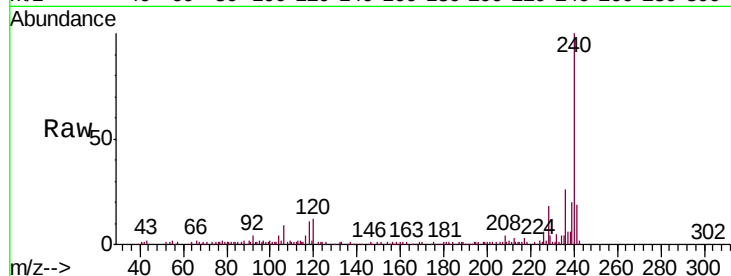
Tgt Ion:240 Resp: 96272

Ion Ratio Lower Upper

240 100

120 11.9 8.3 12.5

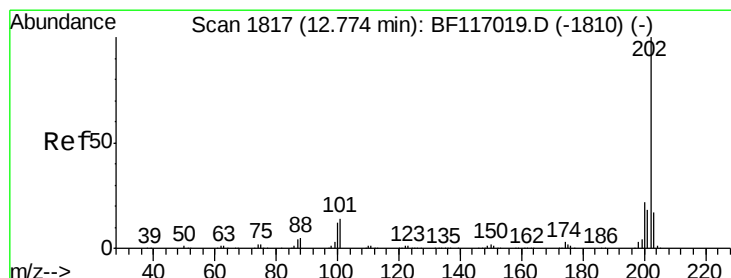
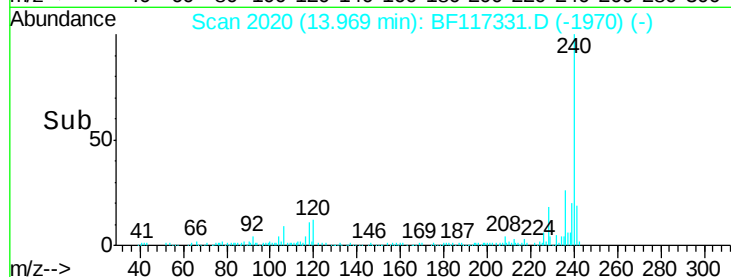
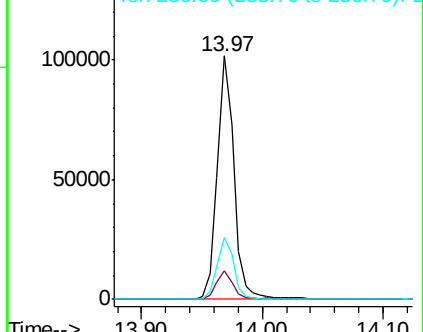
236 25.6 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 12.035 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

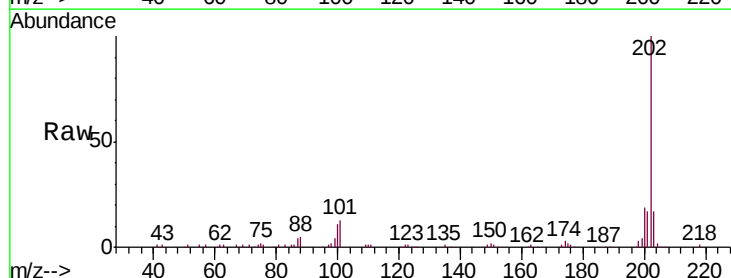
Tgt Ion:202 Resp: 97214

Ion Ratio Lower Upper

202 100

200 18.8 17.2 25.8

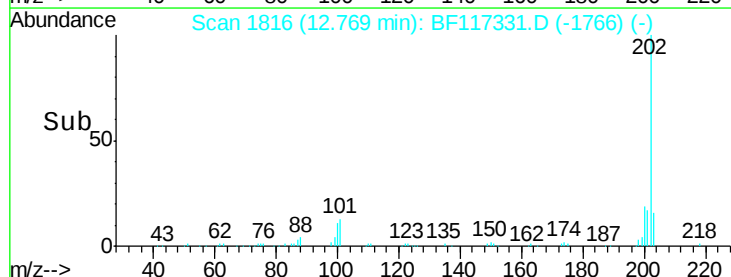
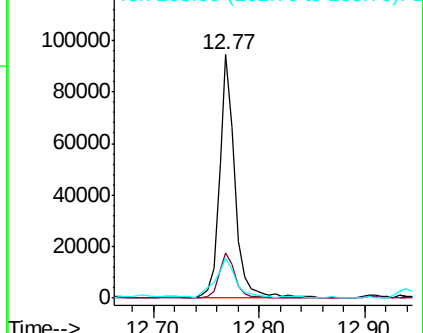
203 16.6 14.0 21.0

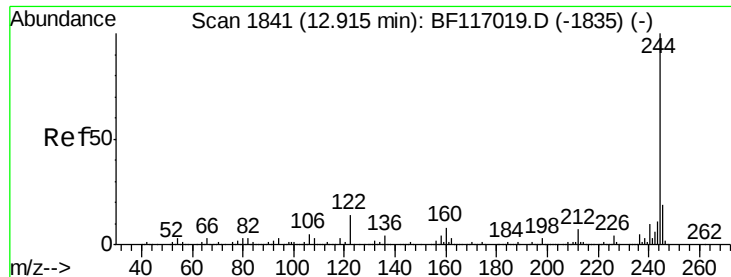


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

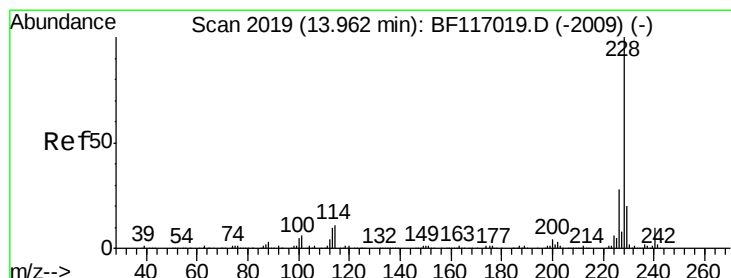
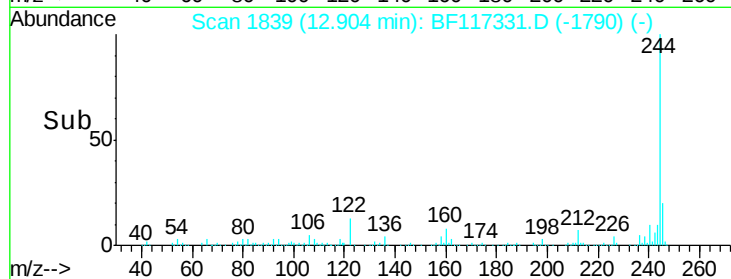
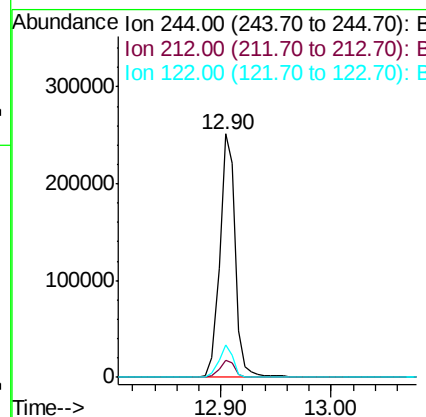
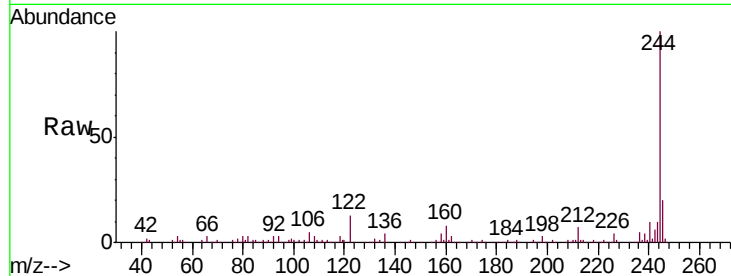




#79
 Terphenyl-d14
 Concen: 46.890 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

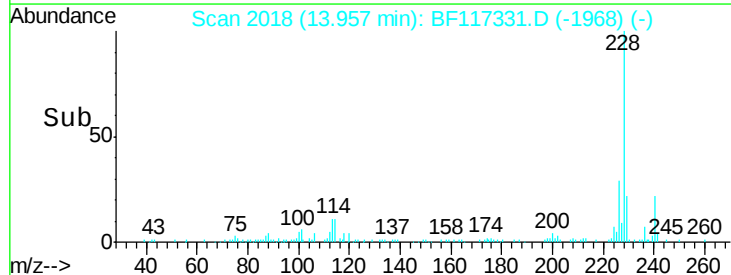
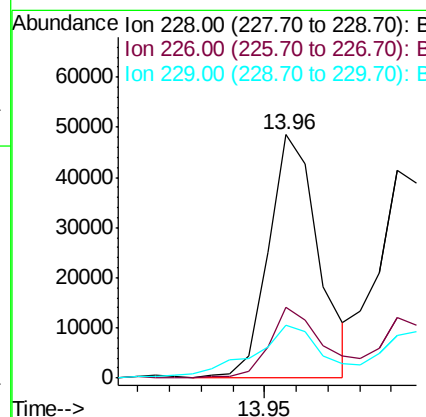
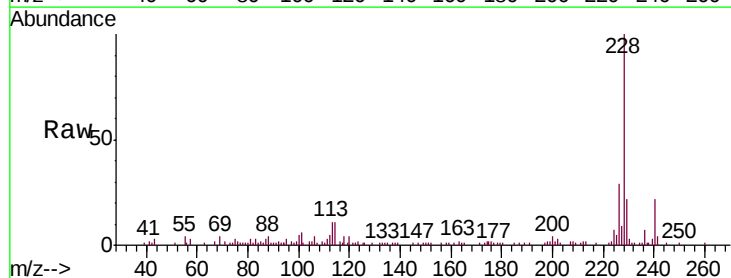
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1RE

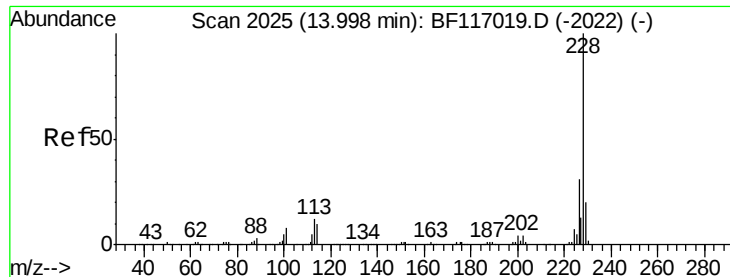
Tgt Ion:244 Resp: 241499
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 13.2 11.3 16.9



#81
 Benzo(a)anthracene
 Concen: 8.310 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117331.D
 Acq: 3 Oct 2019 21:58

Tgt Ion:228 Resp: 53453
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 21.8 15.9 23.9





#83

Chrysene

Concen: 7.953 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

Instrument :

BNA_F

ClientSampleId :

COMP-1RE

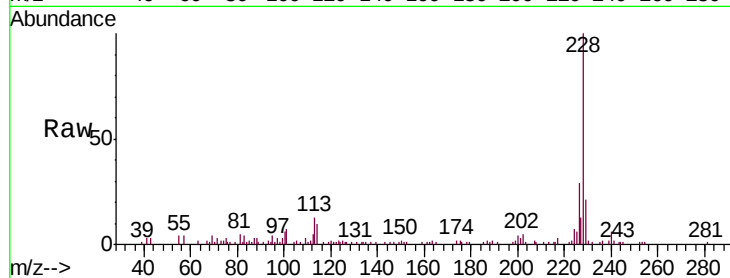
Tgt Ion:228 Resp: 49894

Ion Ratio Lower Upper

228 100

226 29.3 24.8 37.2

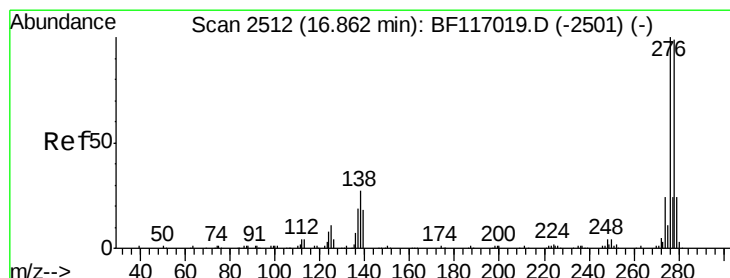
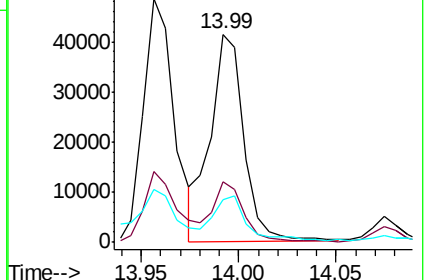
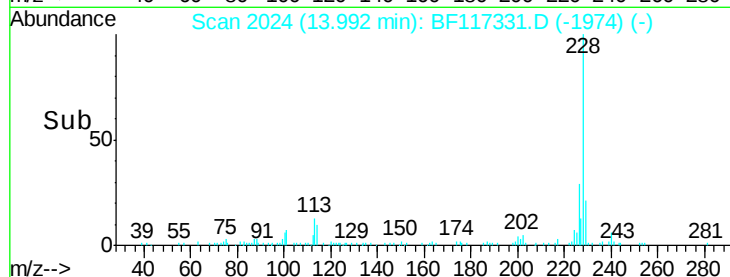
229 20.6 15.8 23.8



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: 4.714 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BF117331.D

Acq: 3 Oct 2019 21:58

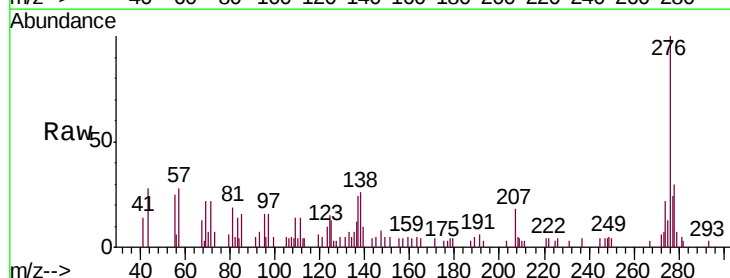
Tgt Ion:276 Resp: 21573

Ion Ratio Lower Upper

276 100

138 30.0 20.7 31.1

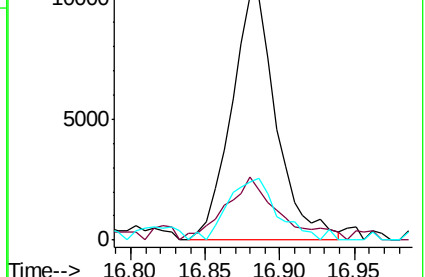
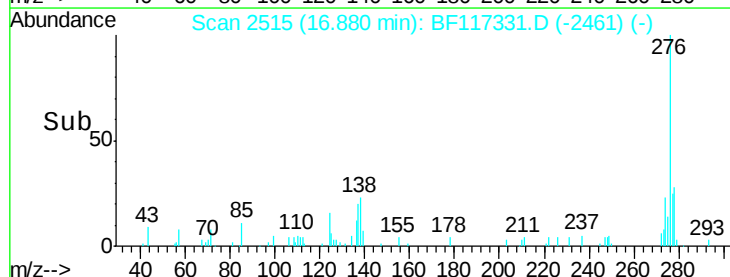
277 27.0 19.8 29.8

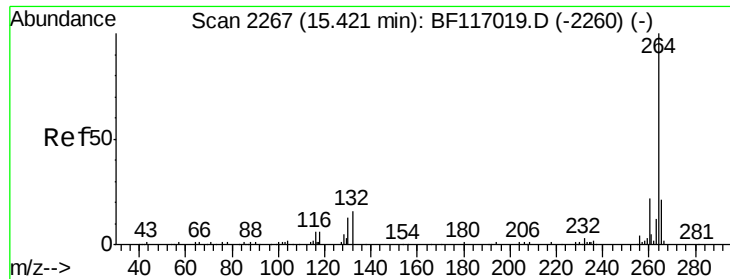


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

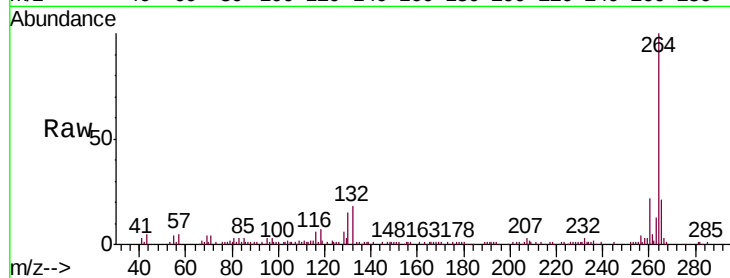




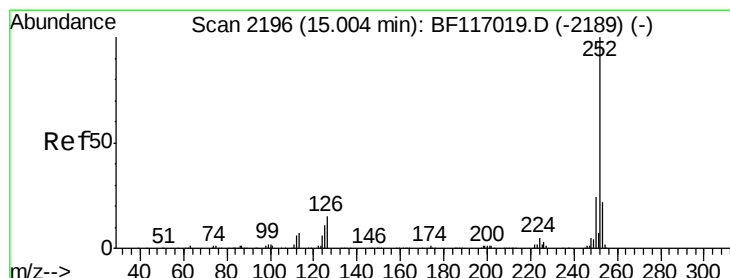
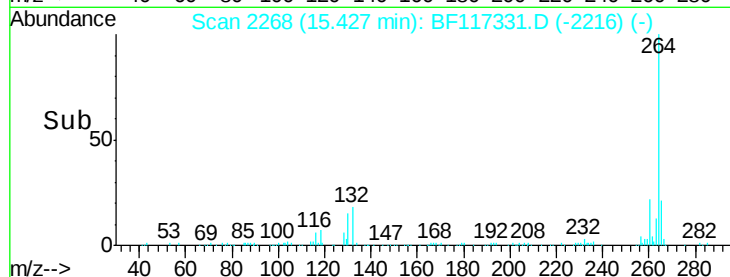
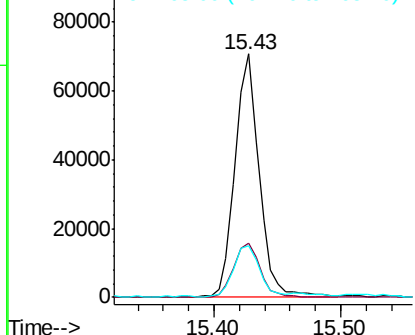
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:264 Resp: 93472
Ion Ratio Lower Upper
264 100
260 22.3 17.6 26.4
265 21.5 16.6 24.8

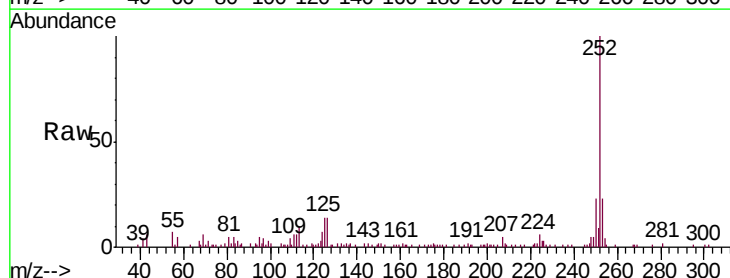


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

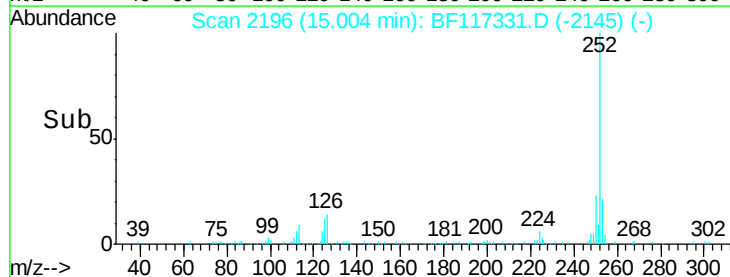
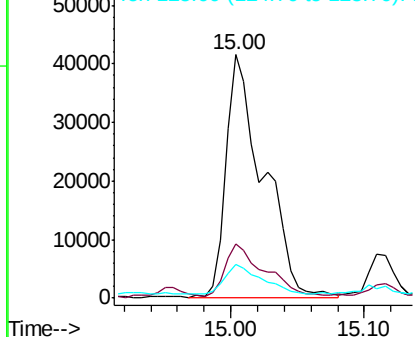


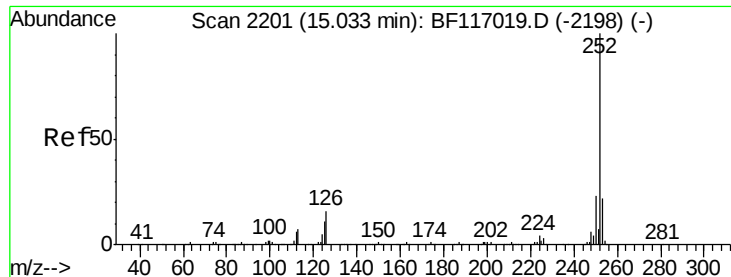
#88
Benzo(b)fluoranthene
Concen: 14.381 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion:252 Resp: 81425
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 13.9 8.6 12.8#



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

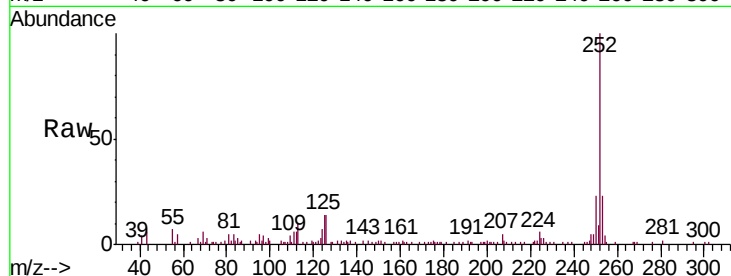




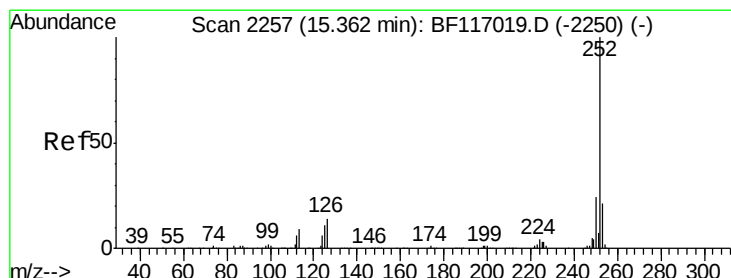
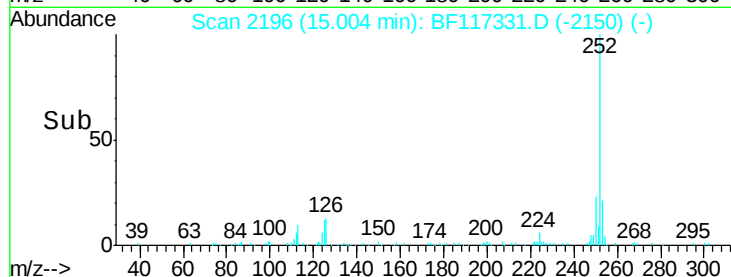
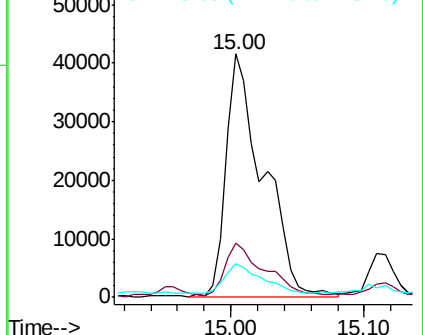
#89
Benzo(k)fluoranthene
Concen: 15.182 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Instrument :
BNA_F
ClientSampleId :
COMP-1RE

Tgt Ion:252 Resp: 81425
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 13.9 8.8 13.2#

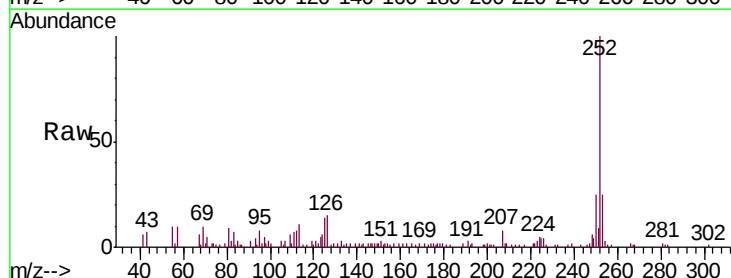


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

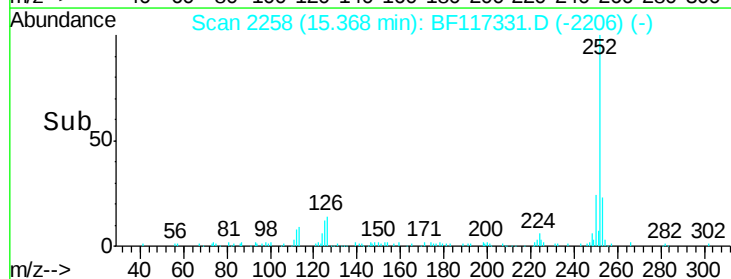
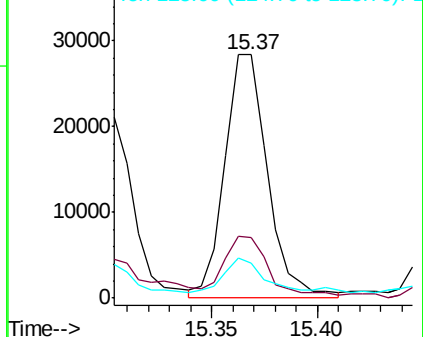


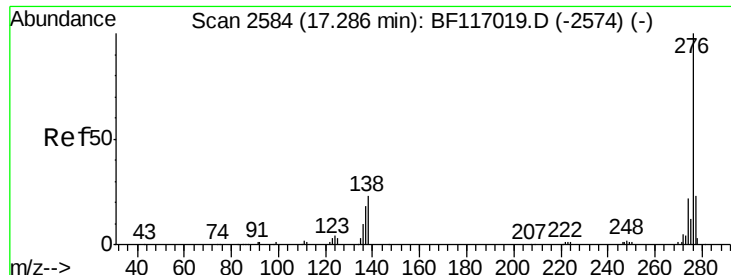
#90
Benzo(a)pyrene
Concen: 8.054 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117331.D
Acq: 3 Oct 2019 21:58

Tgt Ion:252 Resp: 40014
Ion Ratio Lower Upper
252 100
253 24.8 16.6 25.0
125 14.4 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





#92

Benzo(g,h,i)perylene

Concen: 4.984 ng

RT: 17.32 min Scan# 2590

Delta R.T. 0.04 min

Lab File: BF117331.D

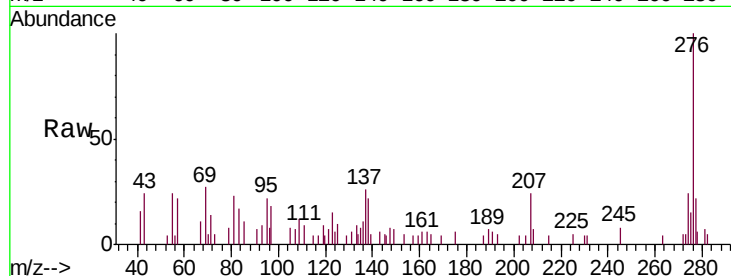
Acq: 3 Oct 2019 21:58

Instrument :

BNA_F

ClientSampleId :

COMP-1RE



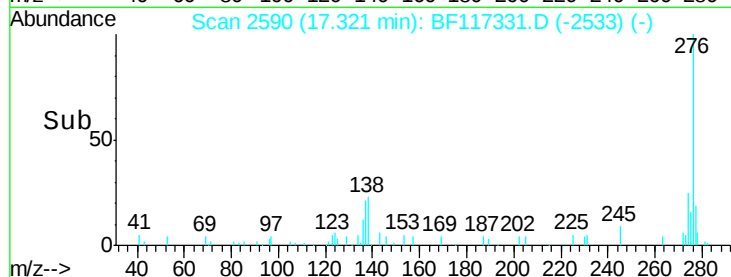
Tgt Ion:276 Resp: 19659

Ion Ratio Lower Upper

276 100

277 22.4 18.6 27.8

138 22.4 18.0 27.0



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

