

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117357.D
 Acq On : 9 Oct 2019 16:12
 Operator : JU
 Sample : K5284-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:53:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	44940	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	180561	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	90216	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	125588	20.00	ng	0.00
76) Chrysene-d12	13.97	240	90751	20.00	ng	0.00
87) Perylene-d12	15.43	264	106777	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	228406	79.35	ng	0.00
7) Phenol-d6	6.45	99	328146	88.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	203101	59.10	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	57969	76.88	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	356439	61.78	ng	0.00
79) Terphenyl-d14	12.90	244	257707	53.08	ng	0.00

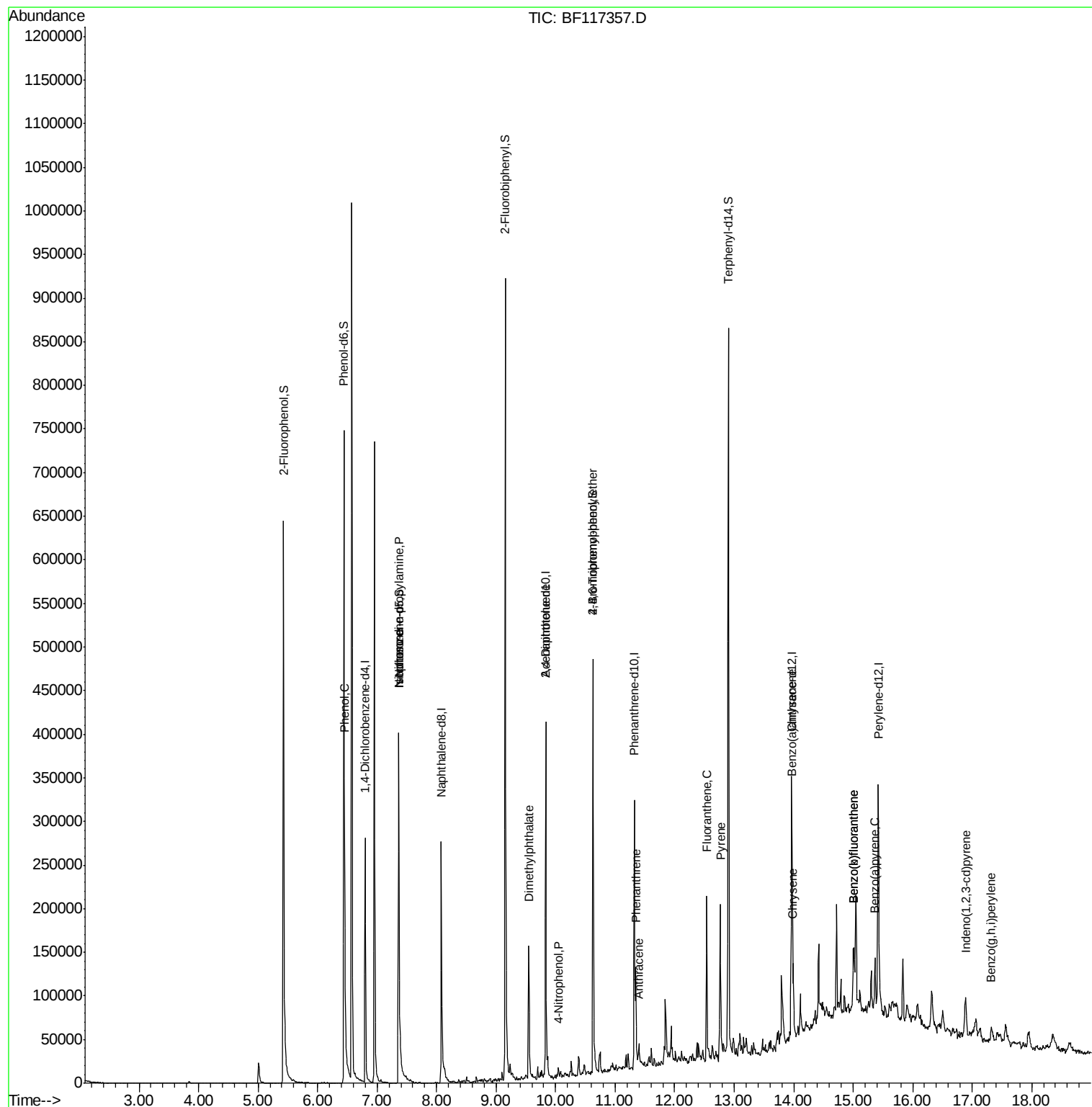
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	420	Below Cal		# 1
10) Phenol	6.46	94	11418	2.784	ng	# 75
19) n-Nitroso-di-n-propylamine	7.36	70	25977	11.468	ng	# 81
25) Isophorone	7.36	82	203099	33.379	ng	# 66
50) Dimethylphthalate	9.55	163	68579	10.736	ng	100
56) 4-Nitrophenol	10.05	139	2717	2.554	ng	# 12
57) 2,4-Dinitrotoluene	9.83	165	11225	6.647	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	3858	3.008	ng	# 1
71) Phenanthrene	11.34	178	42880	6.011	ng	99
72) Anthracene	11.40	178	16470	2.262	ng	97
75) Fluoranthene	12.54	202	74807	10.206	ng	100
78) Pylene	12.77	202	72679	9.545	ng	96
81) Benzo(a)anthracene	13.96	228	32914	5.428	ng	97
83) Chrysene	13.99	228	30787	5.206	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	14794	3.429	ng	94
88) Benzo(b)fluoranthene	15.01	252	50586	7.821	ng	# 92
89) Benzo(k)fluoranthene	15.01	252	50586	8.256	ng	# 92
90) Benzo(a)pyrene	15.37	252	30334	5.345	ng	# 96
92) Benzo(a,h,i)perylene	17.33	276	13378	2.969	ng	# 88

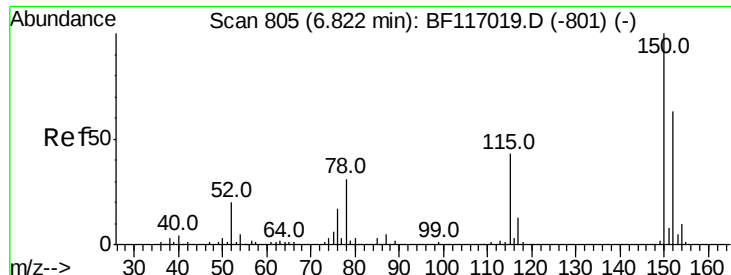
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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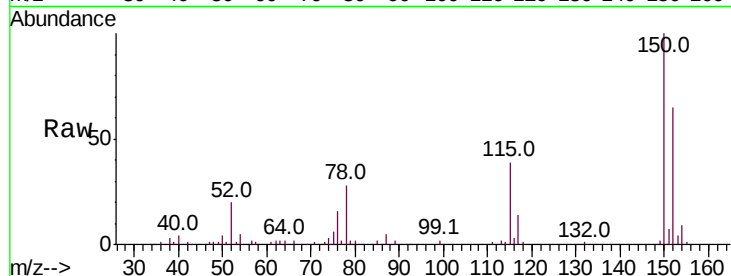


#1

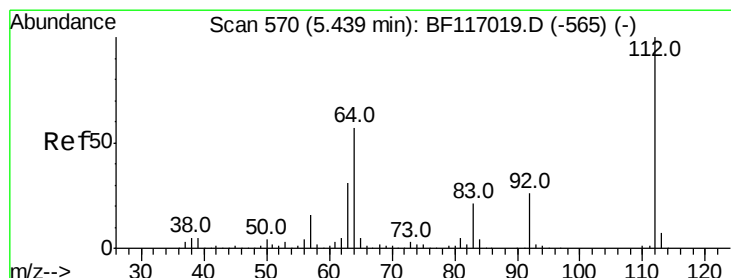
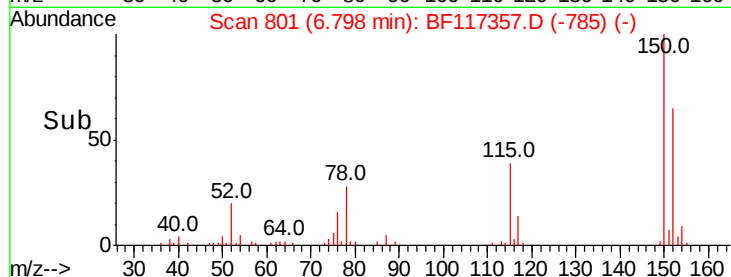
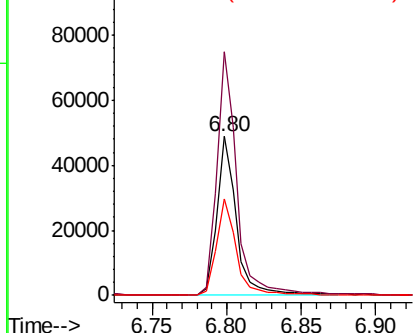
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 44940
Ion Ratio Lower Upper
152 100
150 153.2 127.5 191.3
115 60.3 55.0 82.4



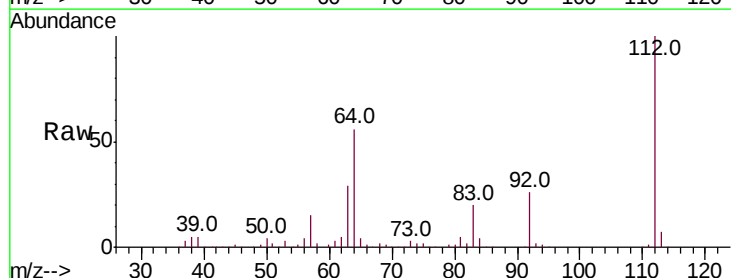
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



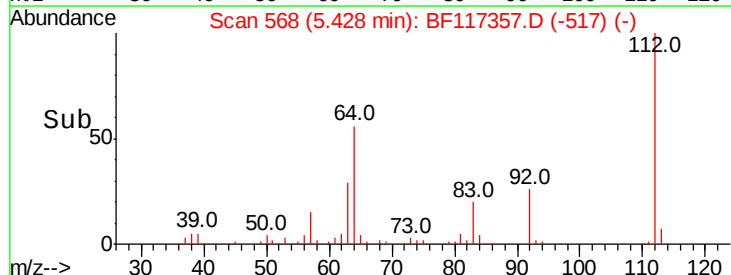
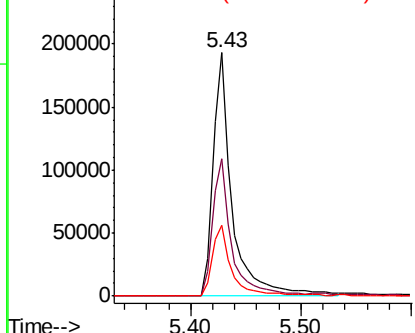
#5

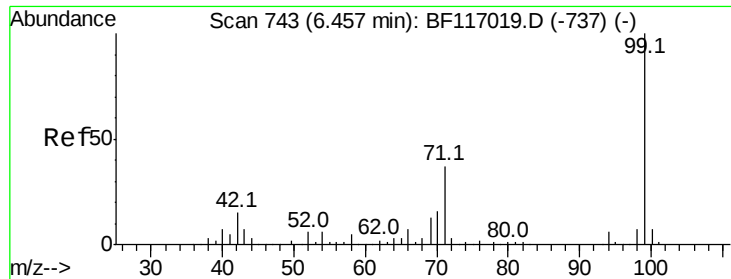
2-Fluorophenol
Concen: 79.350 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion:112 Resp: 228406
Ion Ratio Lower Upper
112 100
64 56.5 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: 88.211 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

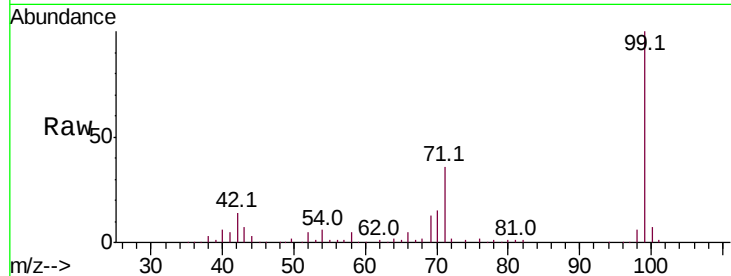
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 328146

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.2
71	35.5	29.8	44.8

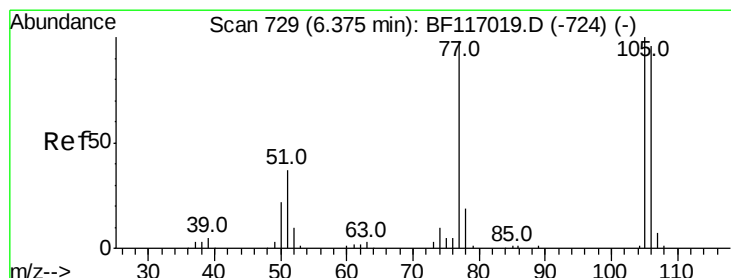
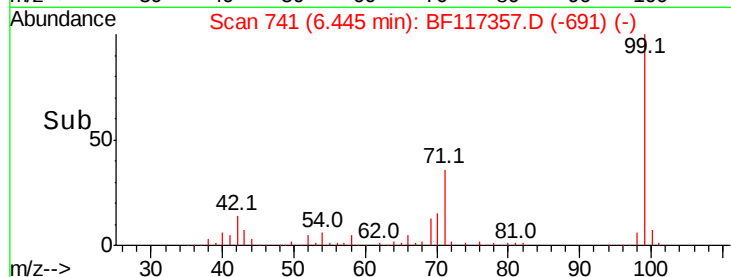
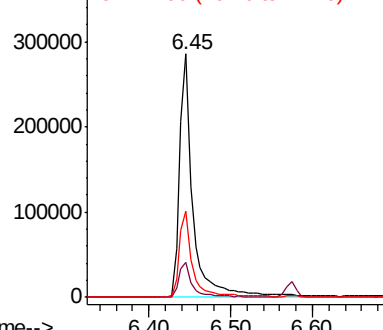


Abundance

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# 741

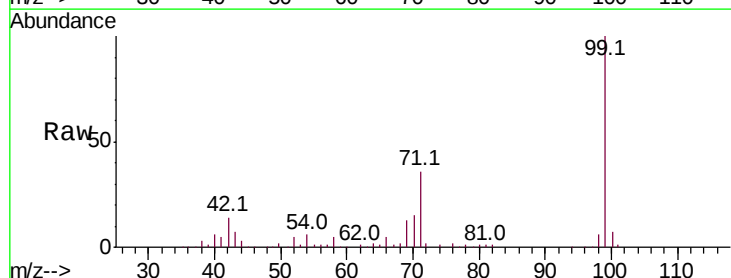
Delta R.T. 0.09 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Tgt Ion: 77 Resp: 420

Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.8	121.8#
106	0.0	77.3	117.3#

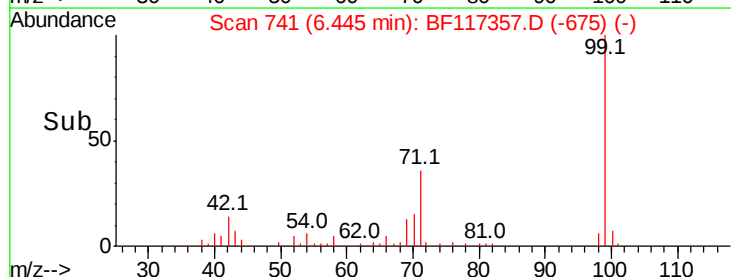
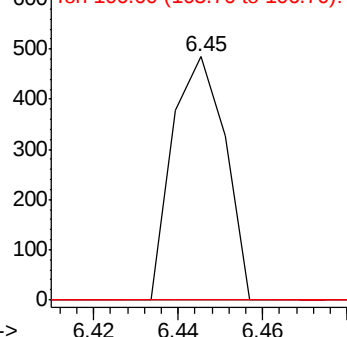


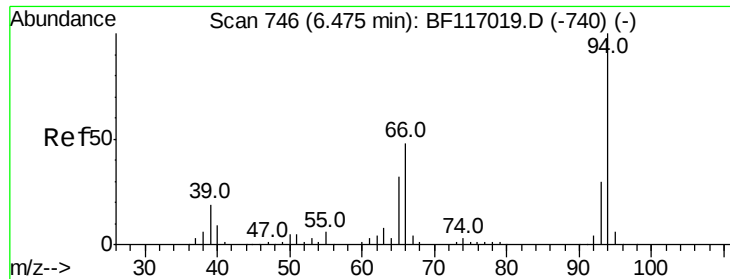
Abundance

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





#10

Phenol

Concen: 2.784 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

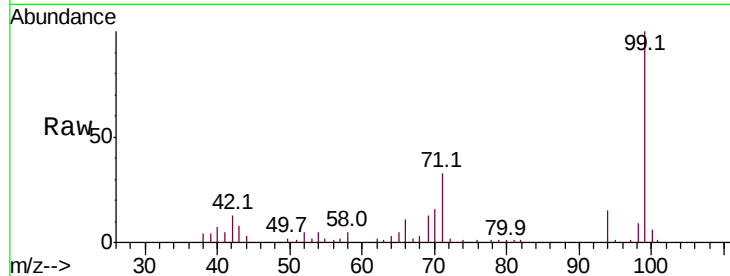
Tot Ion: 94 Resp: 11418

Ion Ratio Lower Upper

94 100

65 34.9 12.5 52.5

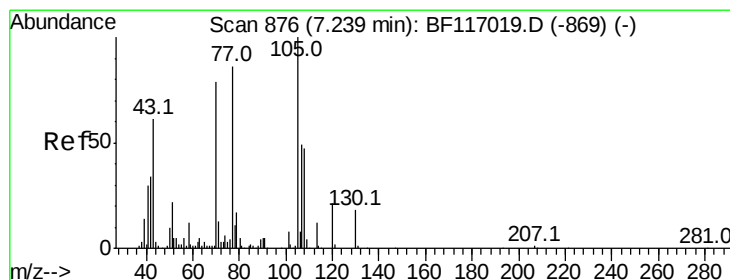
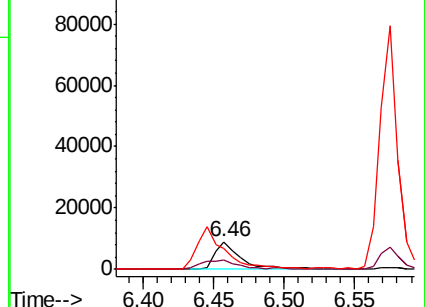
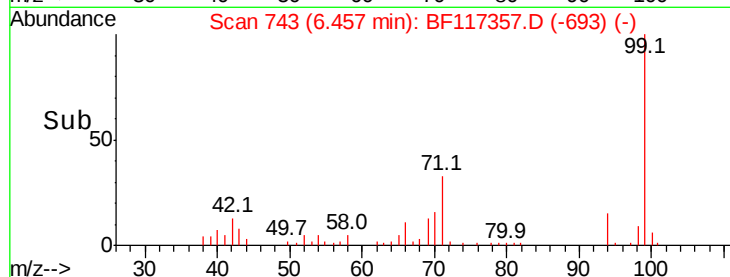
66 75.0 28.9 68.9#



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: 11.468 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Tgt Ion: 70 Resp: 25977

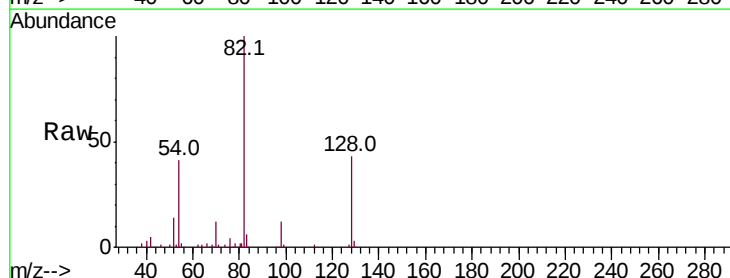
Ion Ratio Lower Upper

70 100

42 39.2 34.0 51.0

101 0.0 7.8 11.6#

130 1.8 17.8 26.8#

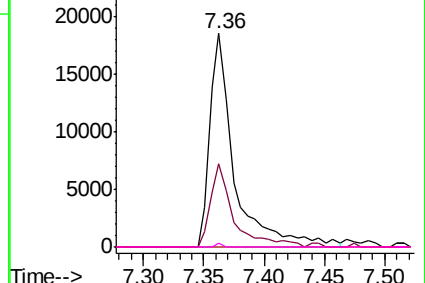
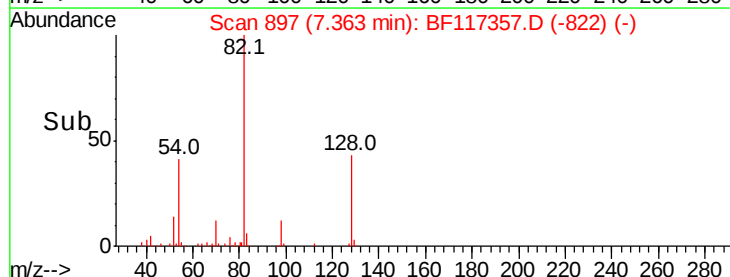


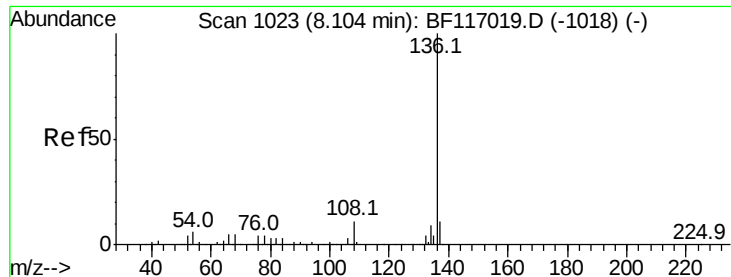
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

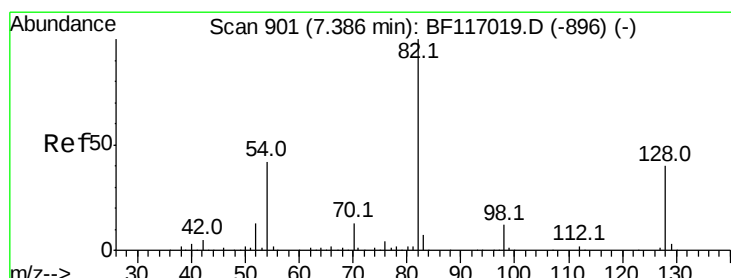
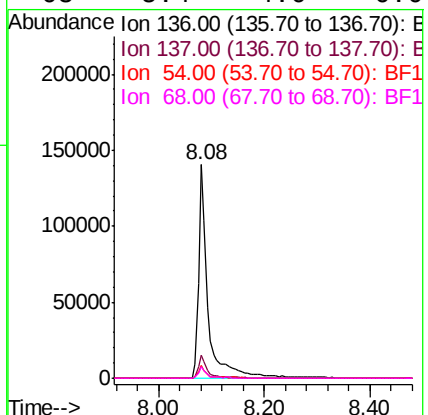
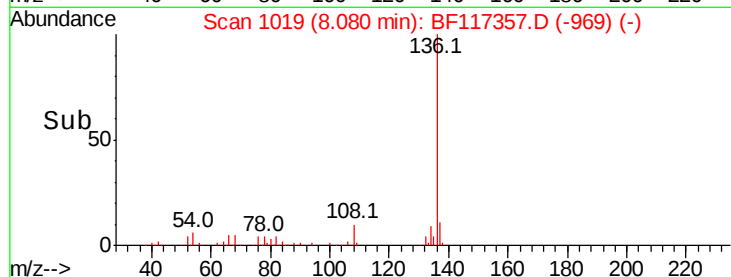
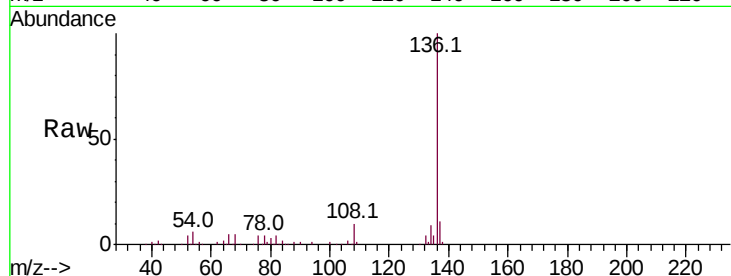




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

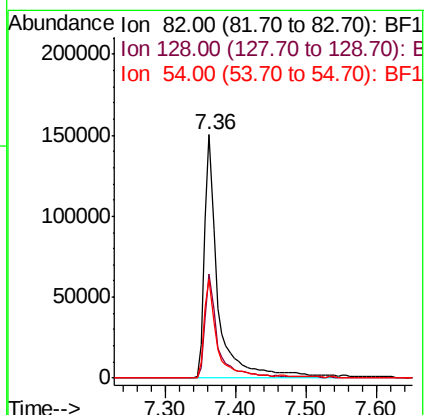
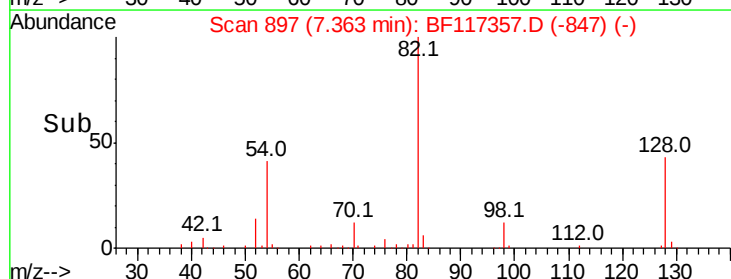
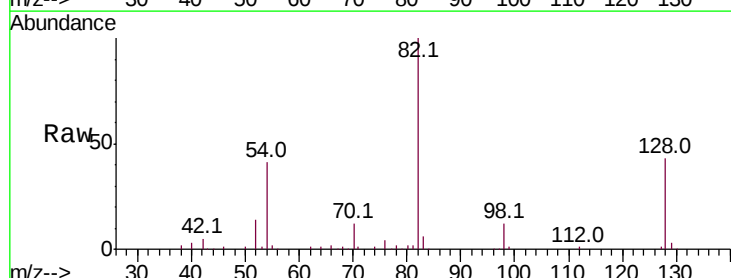
Instrument :
BNA_F
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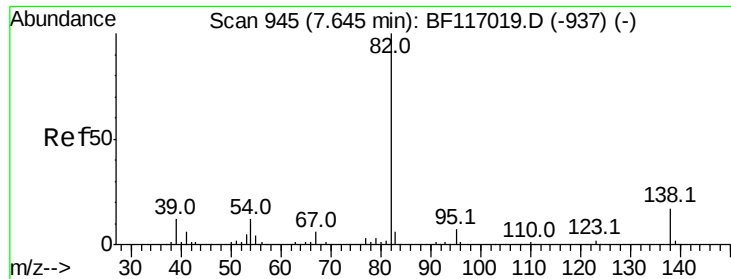
Tot Ion:136	Resp:	180561
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	6.2	4.5 6.7
68	5.4	4.0 6.0



#23
Nitrobenzene-d5
Concen: 59.101 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion: 82	Resp:	203101
Ion Ratio	Lower	Upper
82	100	
128	42.8	32.3 48.5
54	40.9	33.3 49.9

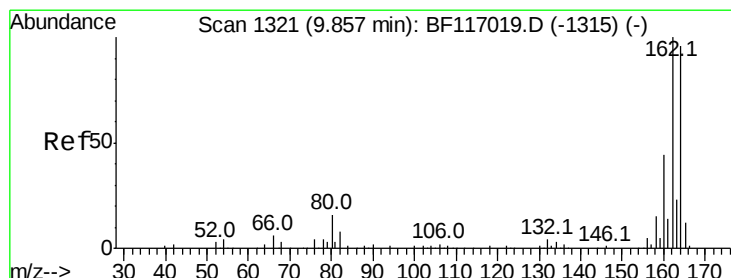
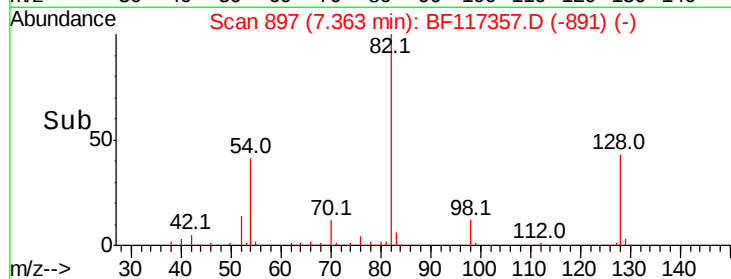
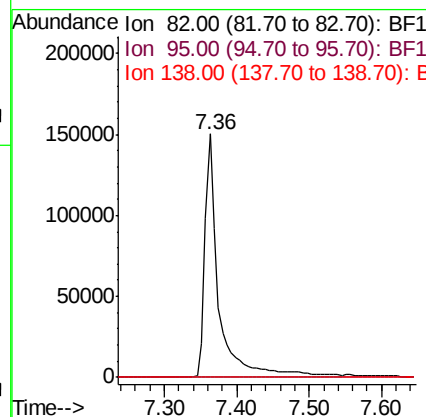
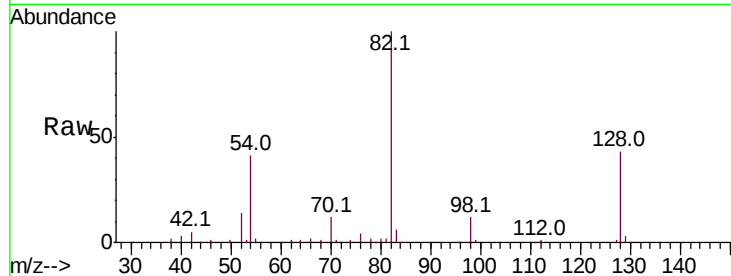




#25
Isophorone
Concen: 33.379 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

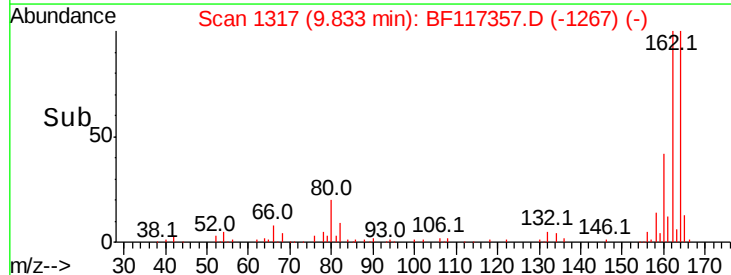
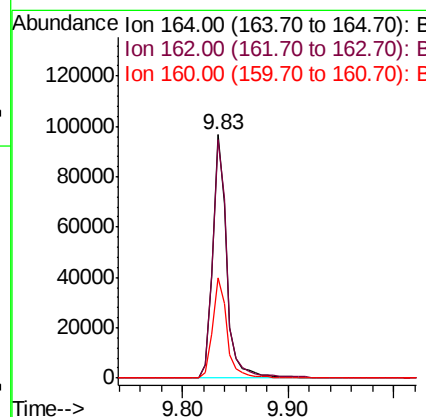
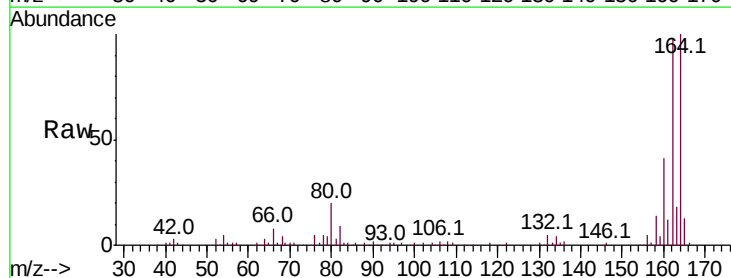
Instrument :
BNA_F
ClientSampleId :

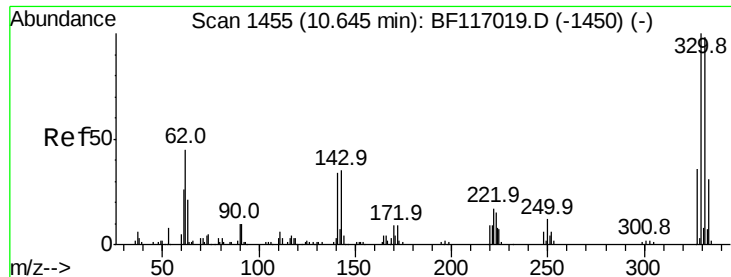
Tot Ion: 82 Resp: 203099
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion: 164 Resp: 90216
Ion Ratio Lower Upper
164 100
162 98.2 83.4 125.2
160 41.4 36.4 54.6

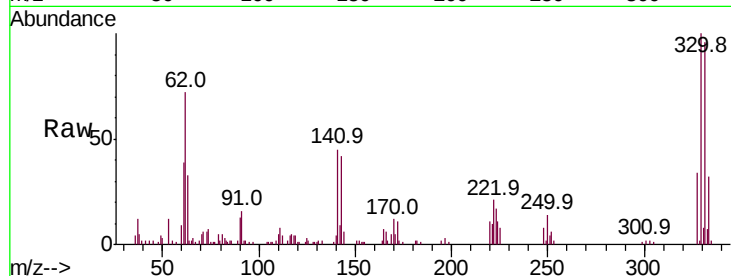




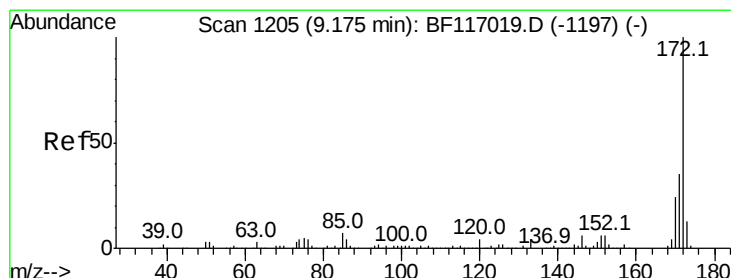
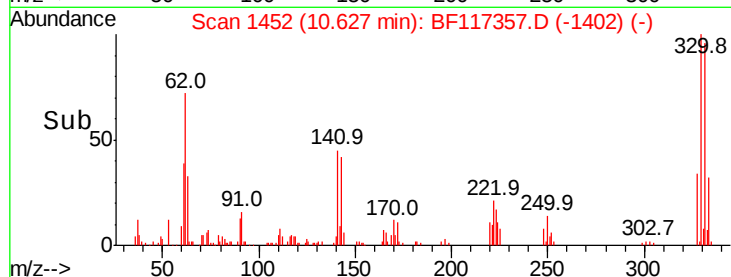
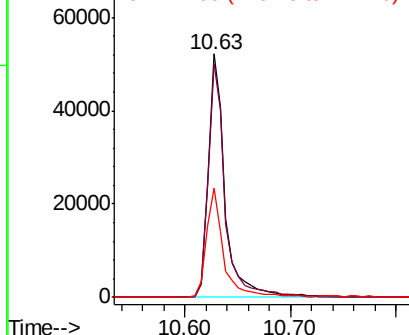
#42
 2,4,6-Tribromophenol
 Concen: 76.882 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	45.8	35.8	53.6

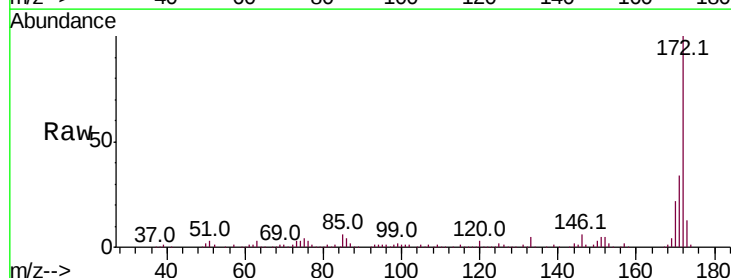


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

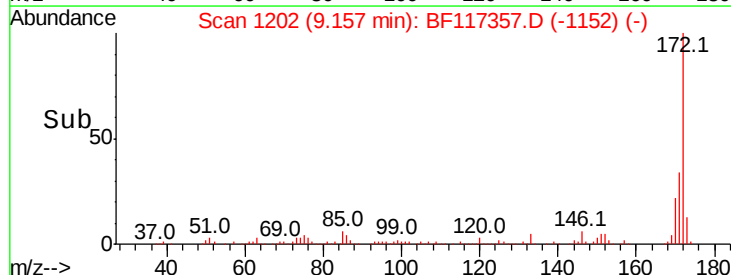
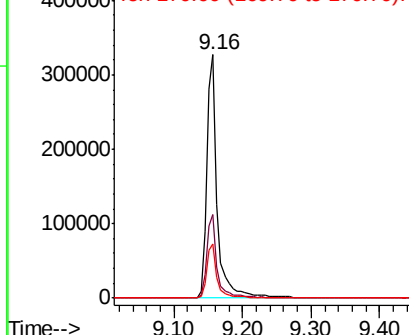


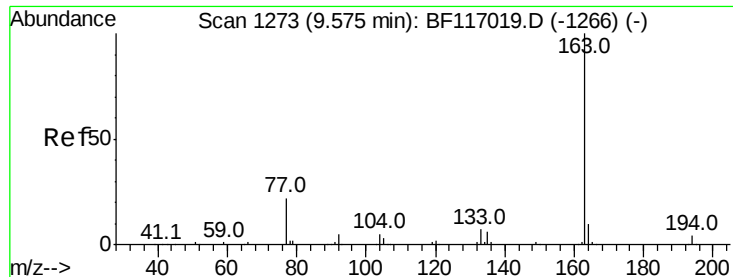
#45
 2-Fluorobiphenyl
 Concen: 61.776 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	22.3	18.9	28.3



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

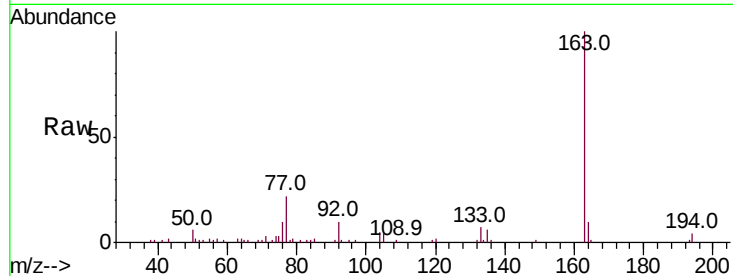




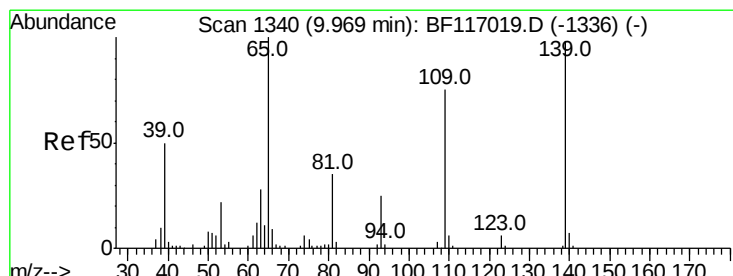
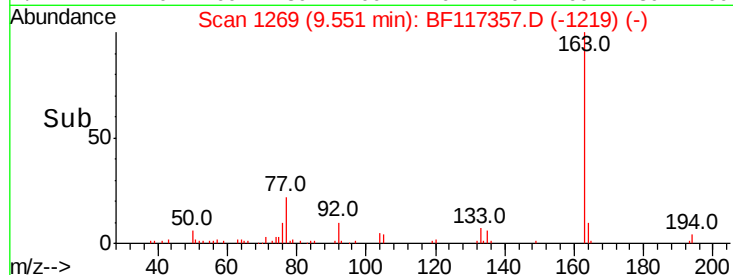
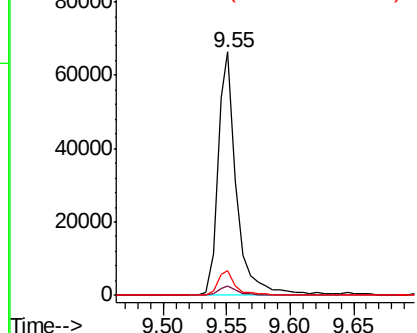
#50
Dimethylphthalate
Concen: 10.736 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 68579
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.4 8.2 12.4

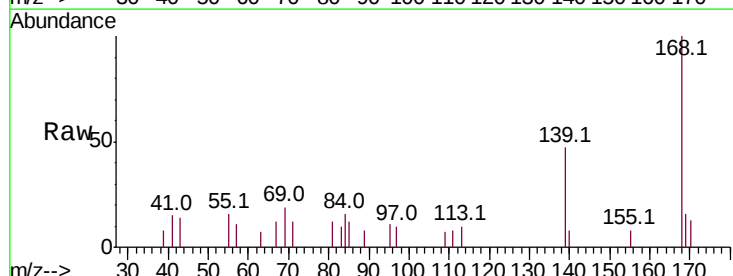


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

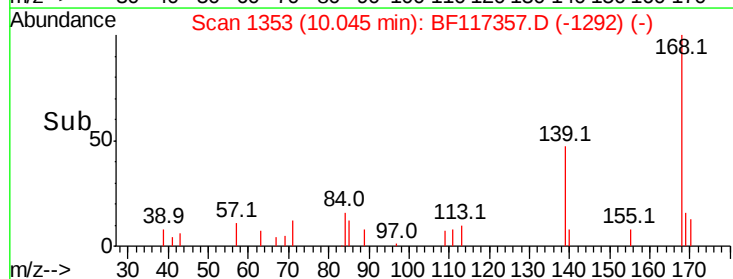
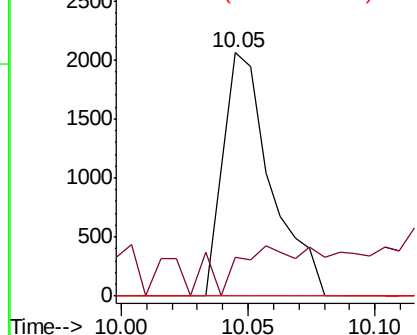


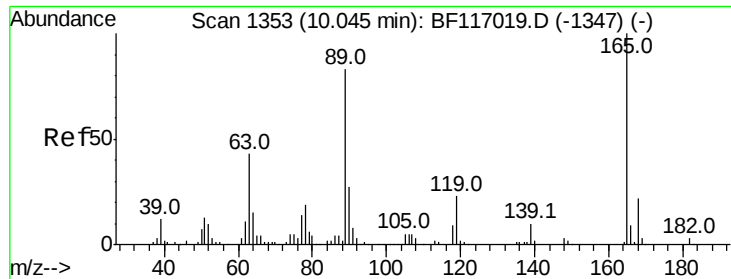
#56
4-Nitrophenol
Concen: 2.554 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.06 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion:139 Resp: 2717
Ion Ratio Lower Upper
139 100
109 15.9 56.4 96.4#
65 0.0 82.5 122.5#



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

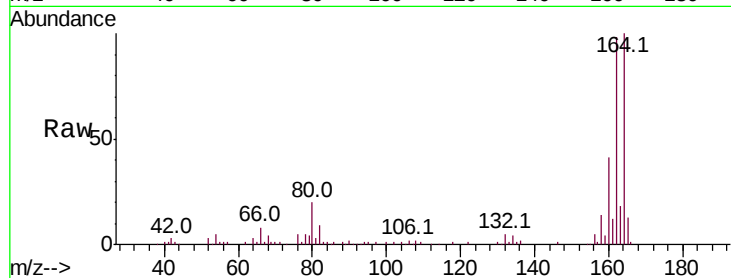




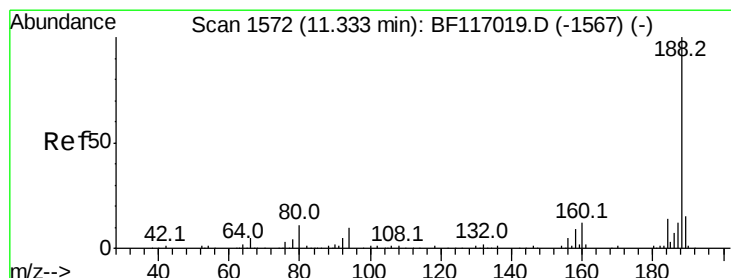
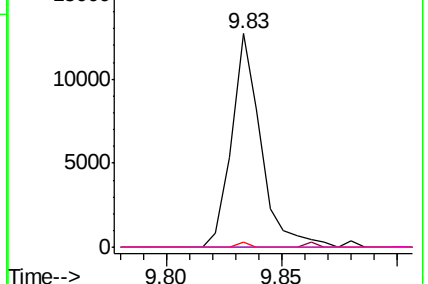
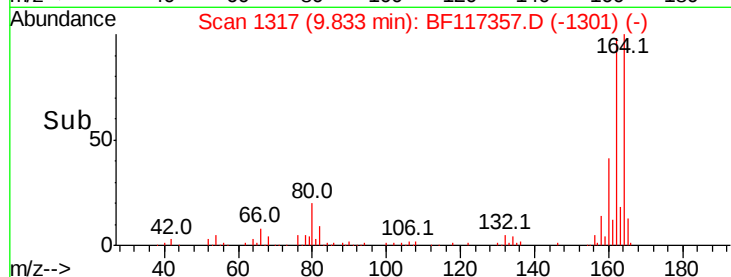
#57
 2,4-Dinitrotoluene
 Concen: 6.647 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11225
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 2.6 66.1 99.1#
 182 0.0 2.0 3.0#

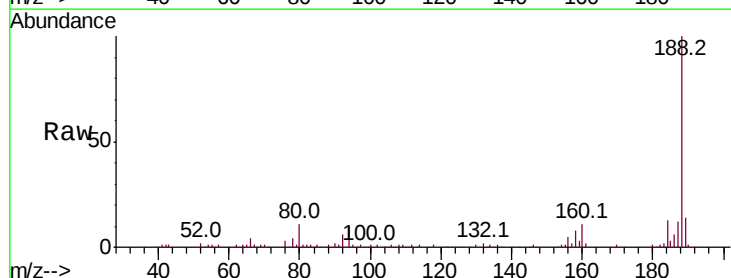


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

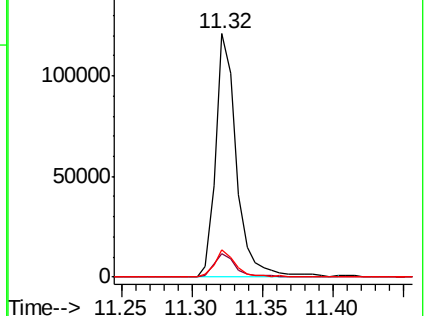
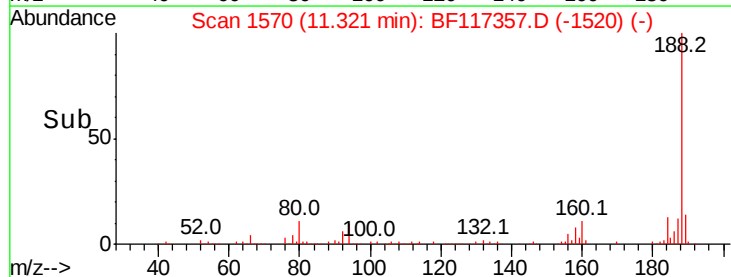


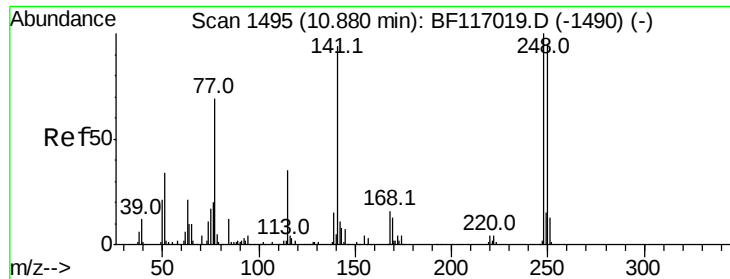
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Tgt Ion:188 Resp: 125588
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.2 12.2
 80 11.0 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

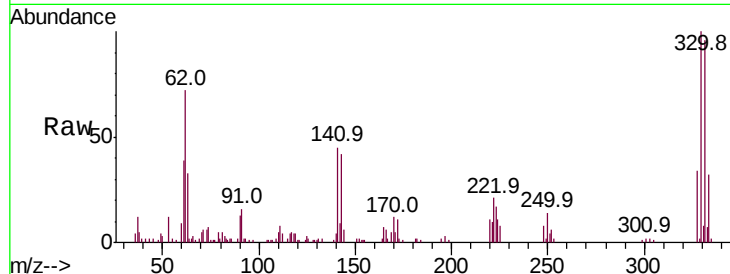




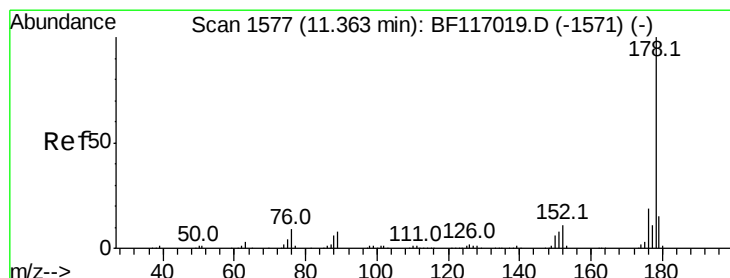
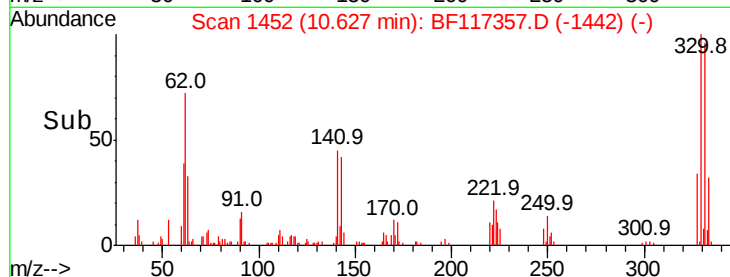
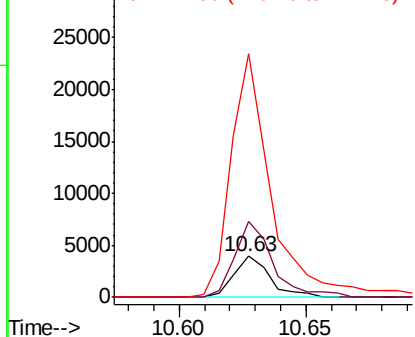
#67
 4-Bromophenyl-phenylether
 Concen: 3.008 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 3858
 Ion Ratio Lower Upper
 248 100
 250 185.3 76.2 114.4#
 141 591.5 75.0 112.4#

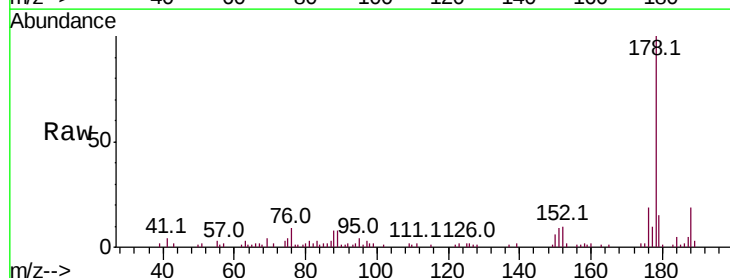


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

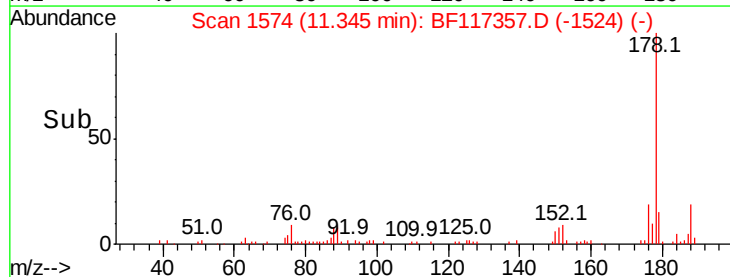
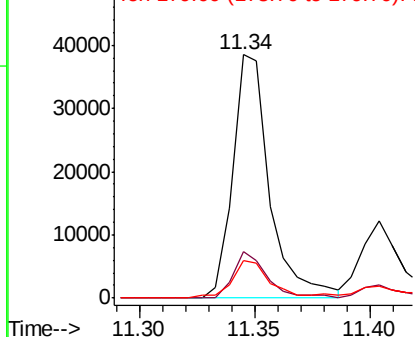


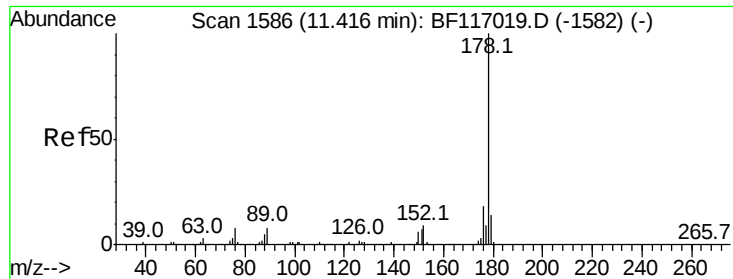
#71
 Phenanthrene
 Concen: 6.011 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Tgt Ion:178 Resp: 42880
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 15.4 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: 2.262 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

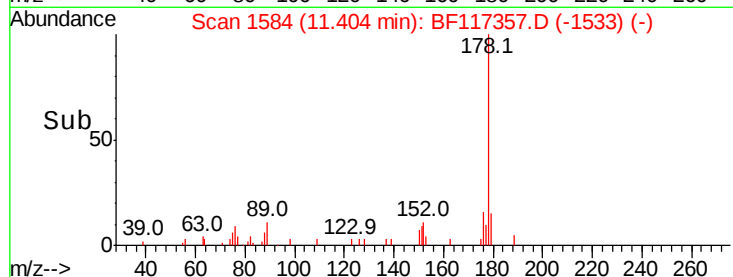
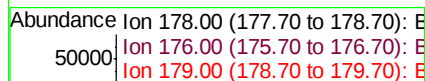
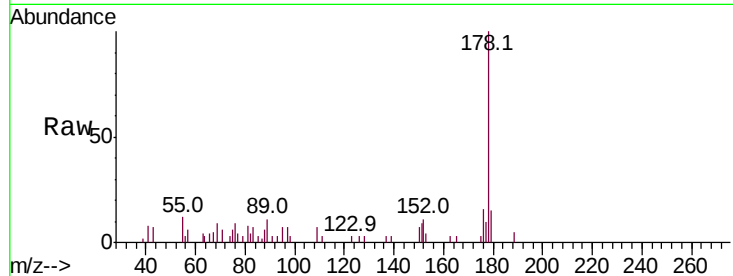
Instrument :

BNA_F

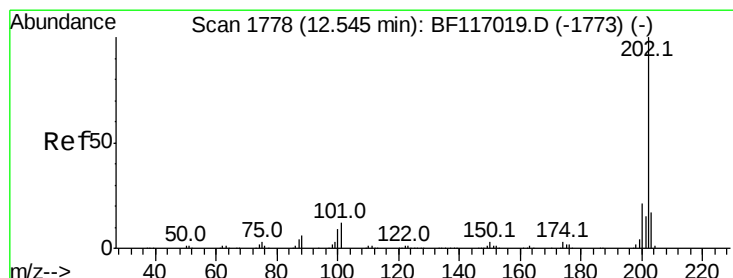
ClientSampleId :

Tot Ion:178 Resp: 16470

Ion	Ratio	Lower	Upper
178	100		
176	16.4	14.6	21.8
179	14.9	11.6	17.4



Time-->



#75

Fluoranthene

Concen: 10.206 ng

RT: 12.54 min Scan# 1777

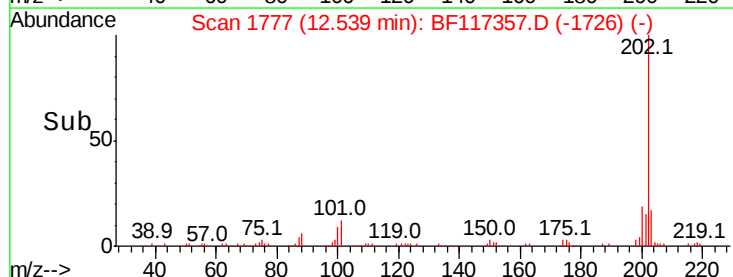
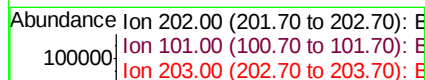
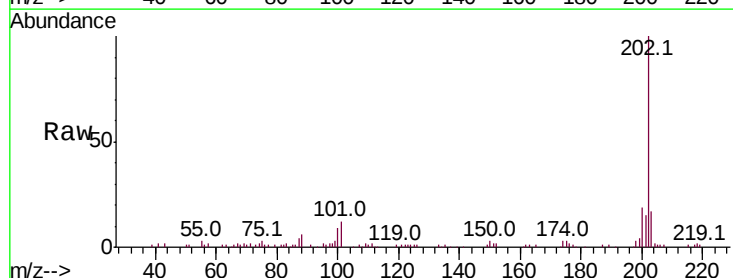
Delta R.T. 0.00 min

Lab File: BF117357.D

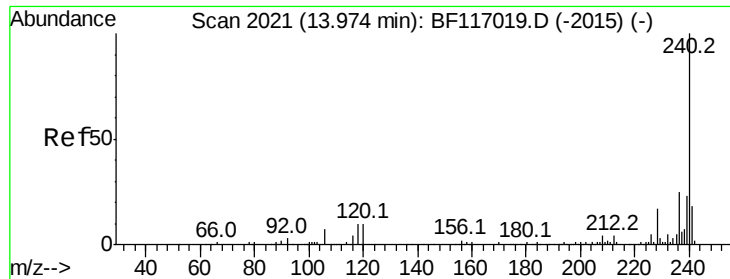
Acq: 9 Oct 2019 16:12

Tgt Ion:202 Resp: 74807

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.3
203	17.2	0.0	37.1



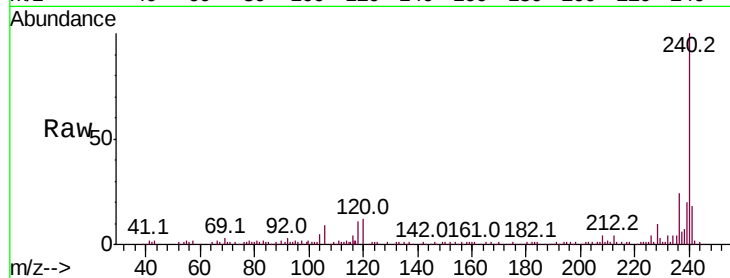
Time-->



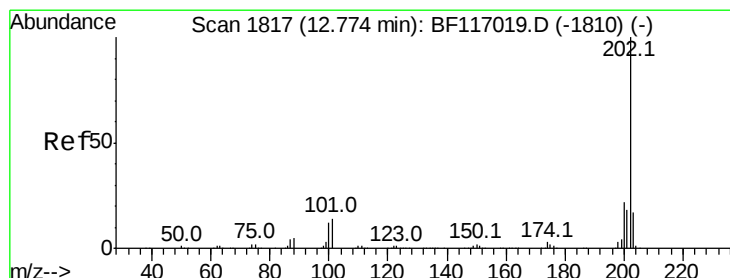
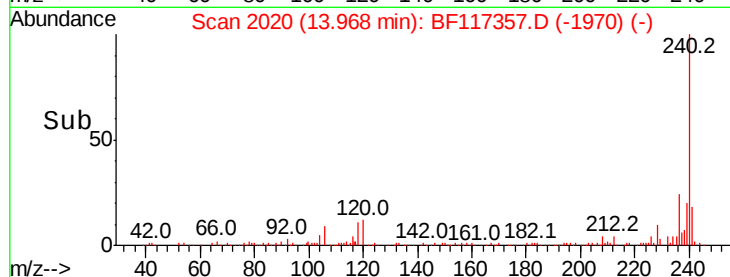
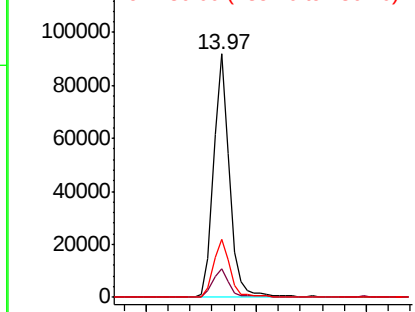
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 90751
Ion Ratio Lower Upper
240 100
120 11.5 8.3 12.5
236 23.6 20.3 30.5

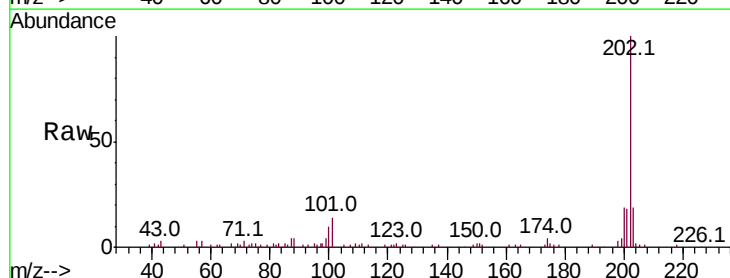


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

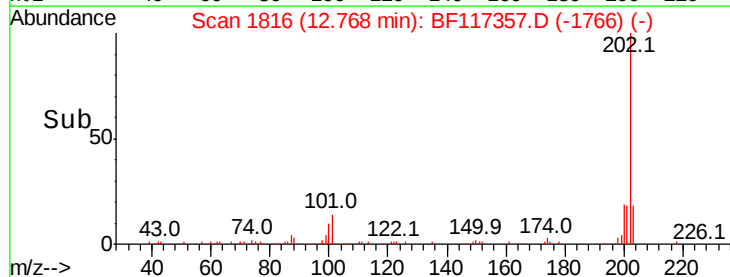
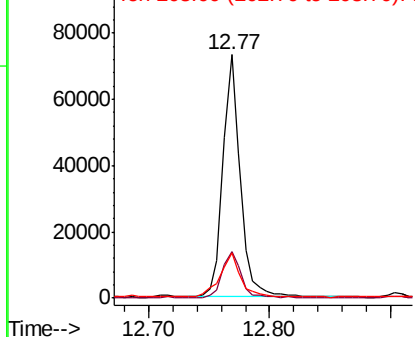


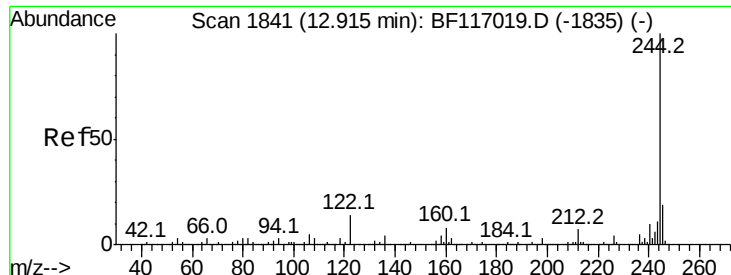
#78
Pyrene
Concen: 9.545 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion:202 Resp: 72679
Ion Ratio Lower Upper
202 100
200 19.0 17.2 25.8
203 18.7 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: 53.081 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

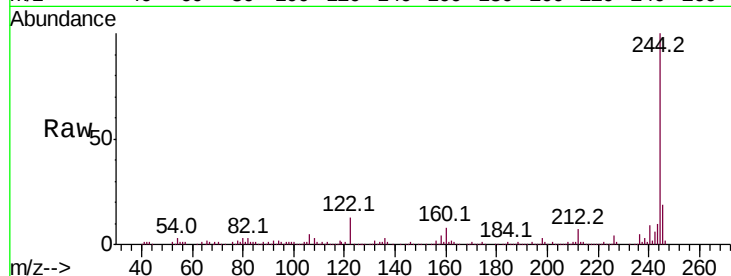
Tot Ion:244 Resp: 257707

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

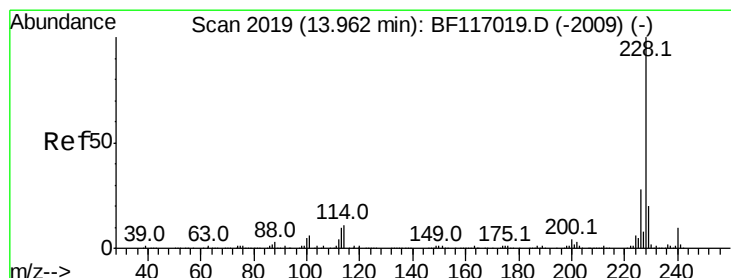
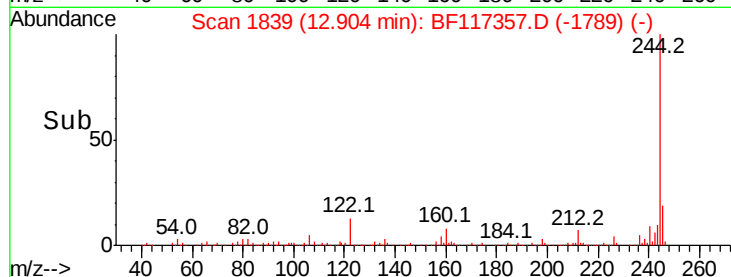
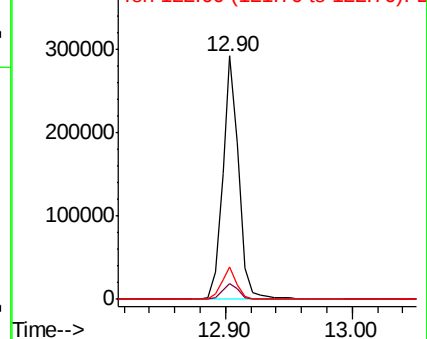
122 13.1 11.3 16.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.428 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

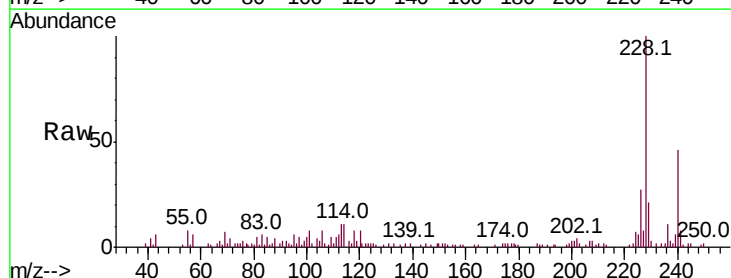
Tgt Ion:228 Resp: 32914

Ion Ratio Lower Upper

228 100

226 26.8 22.3 33.5

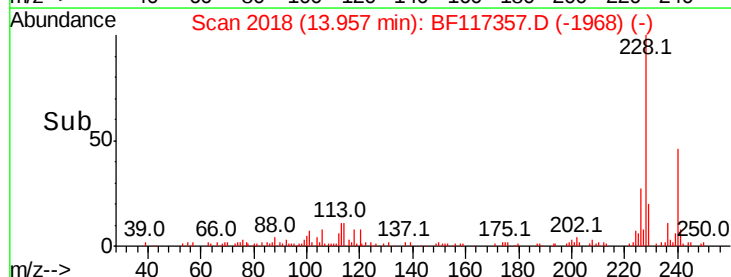
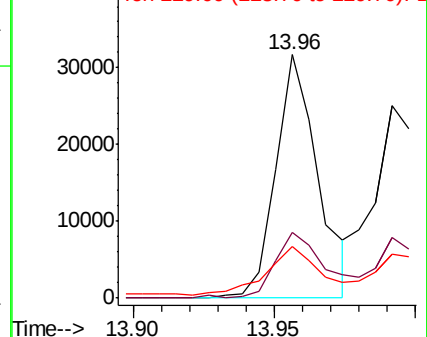
229 21.4 15.9 23.9

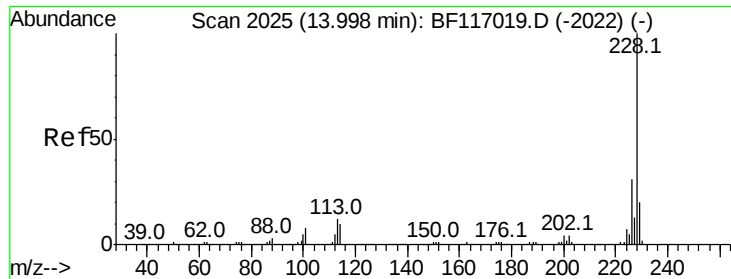


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

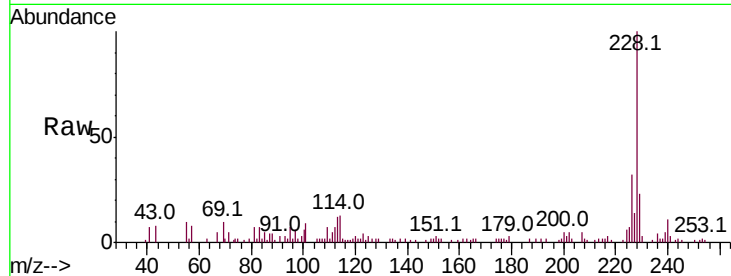




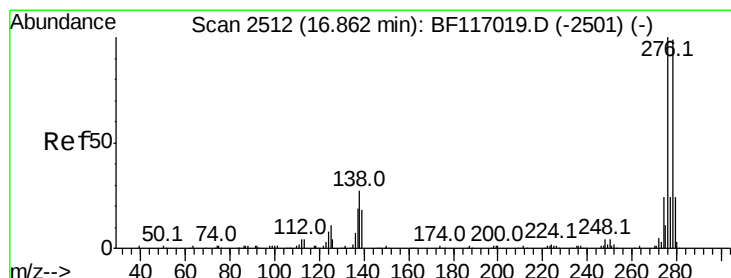
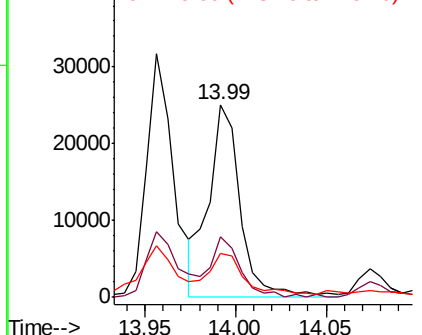
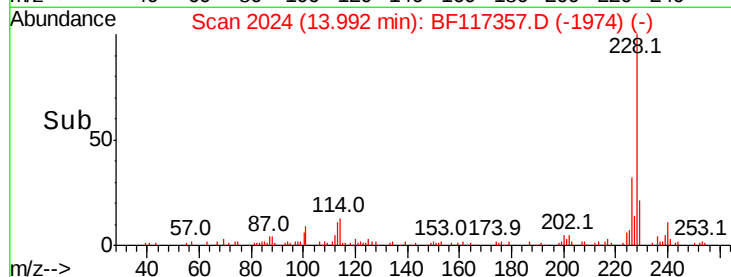
#83
Chrysene
Concen: 5.206 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 30787
Ion Ratio Lower Upper
228 100
226 31.6 24.8 37.2
229 22.8 15.8 23.8

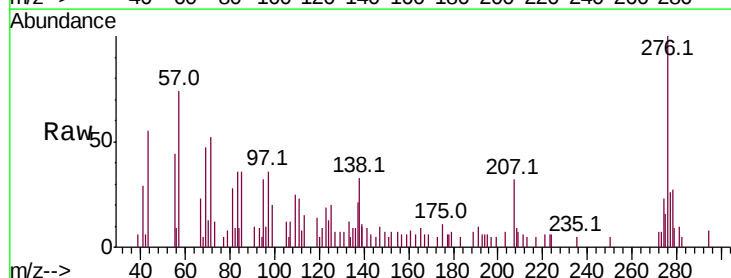


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

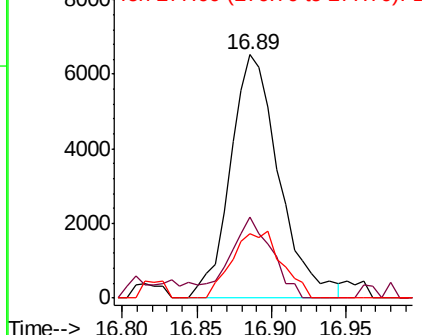
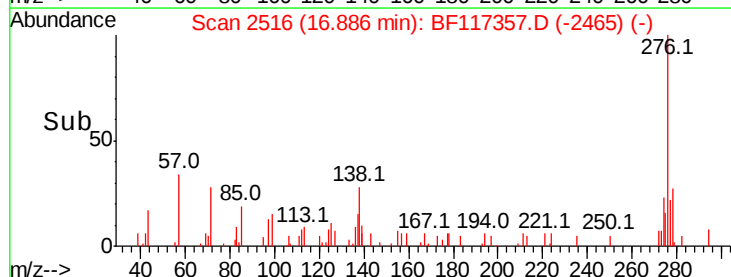


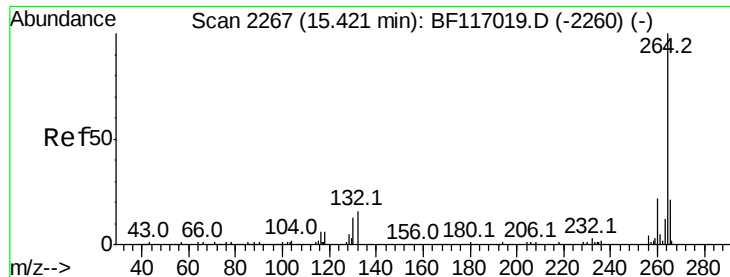
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.429 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF117357.D
Acq: 9 Oct 2019 16:12

Tgt Ion:276 Resp: 14794
Ion Ratio Lower Upper
276 100
138 28.5 20.7 31.1
277 27.9 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

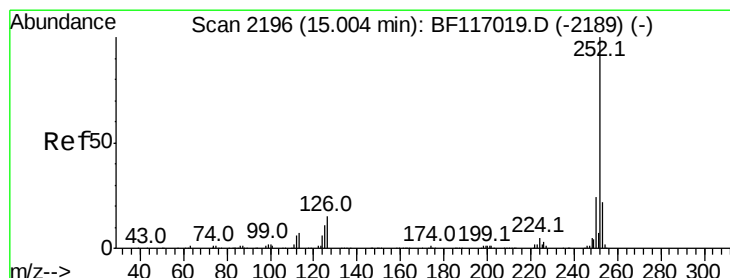
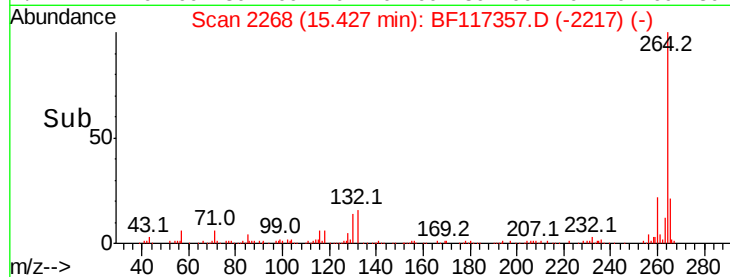
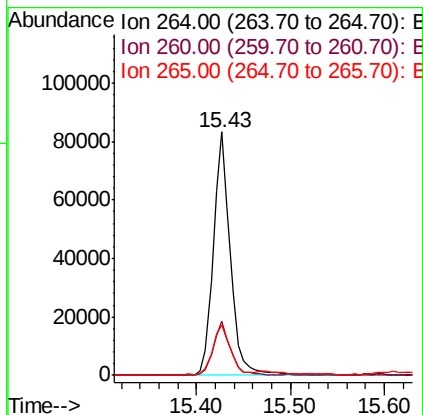
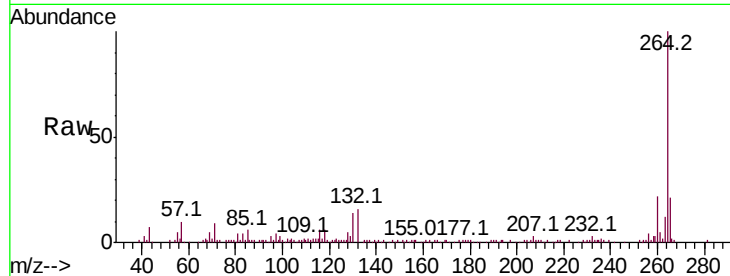




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

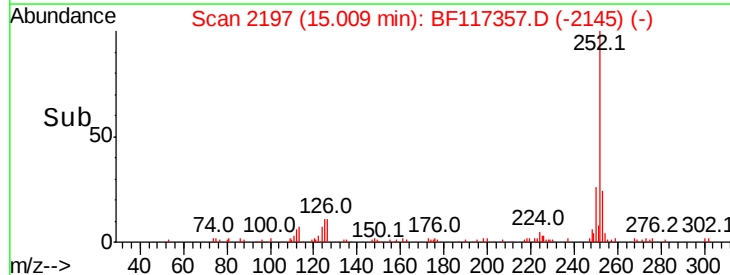
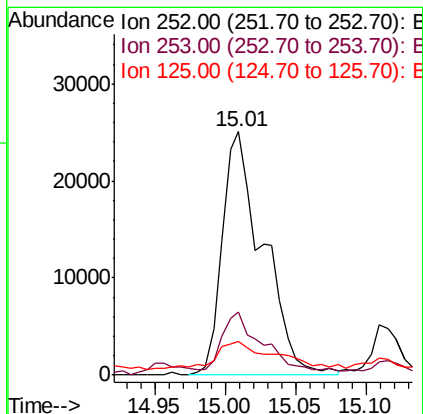
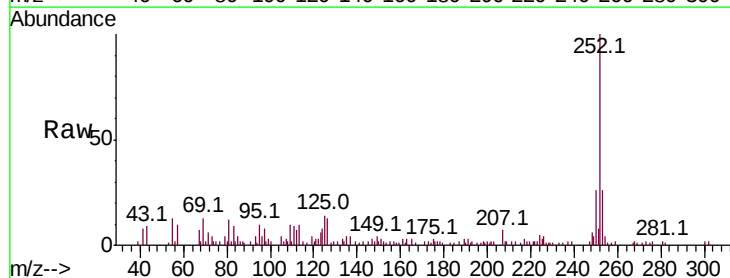
Instrument :
 BNA_F
 ClientSampled :

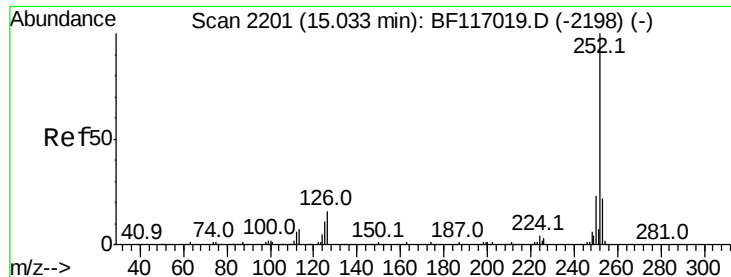
Tot Ion:264 Resp: 106777
 Ion Ratio Lower Upper
 264 100
 260 22.4 17.6 26.4
 265 20.9 16.6 24.8



#88
 Benzo(b)fluoranthene
 Concen: 7.821 ng
 RT: 15.01 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF117357.D
 Acq: 9 Oct 2019 16:12

Tgt Ion:252 Resp: 50586
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.6 26.4
 125 13.9 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 8.256 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

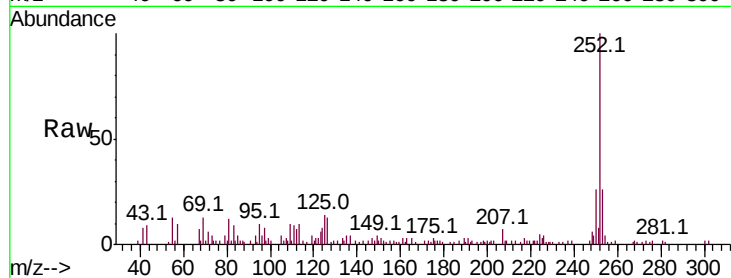
Tot Ion:252 Resp: 50586

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.2

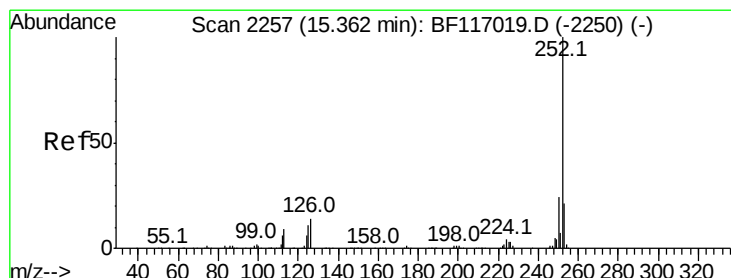
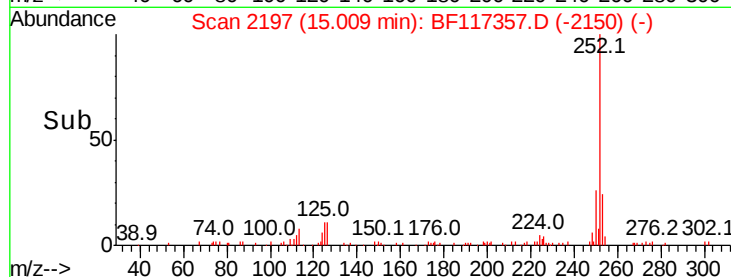
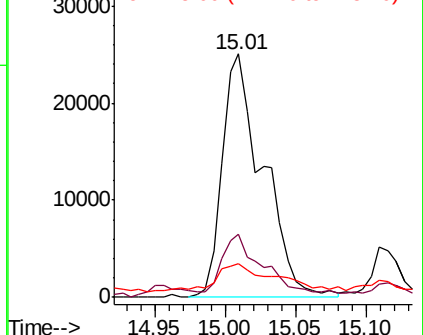
125 13.9 8.8 13.2#



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: 5.345 ng

RT: 15.37 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

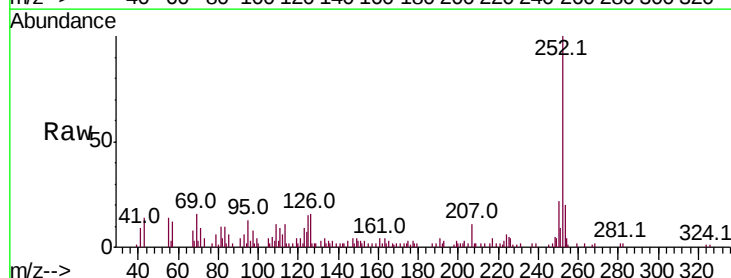
Tgt Ion:252 Resp: 30334

Ion Ratio Lower Upper

252 100

253 20.2 16.6 25.0

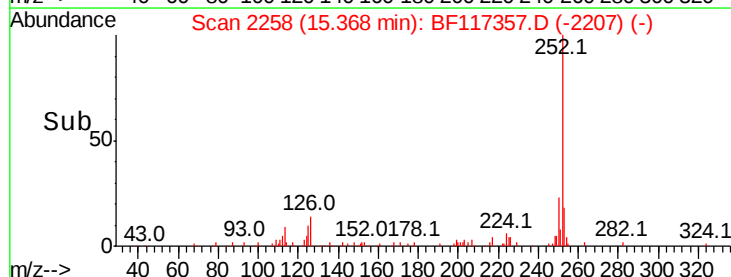
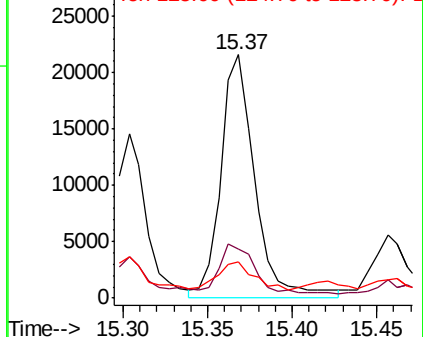
125 14.6 8.9 13.3#

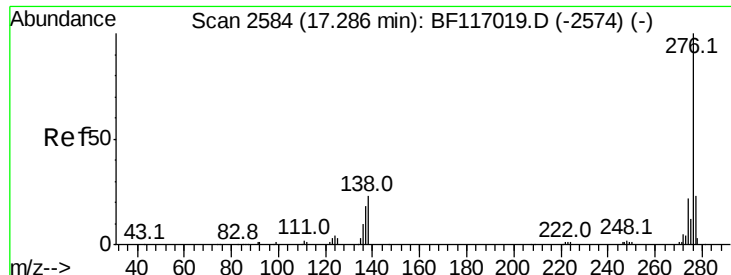


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.969 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.01 min

Lab File: BF117357.D

Acq: 9 Oct 2019 16:12

Instrument :

BNA_F

ClientSampleId :

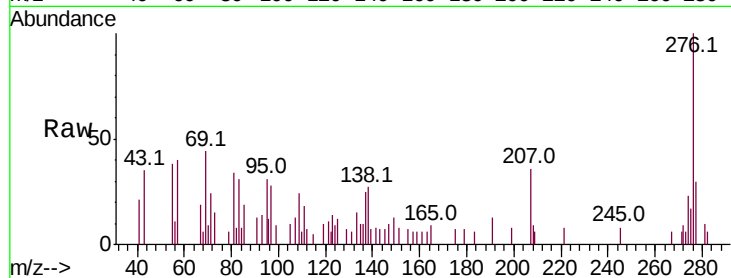
Tot Ion:276 Resp: 13378

Ion Ratio Lower Upper

276 100

277 29.9 18.6 27.8#

138 27.4 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

