

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117486.D
 Acq On : 23 Oct 2019 16:45
 Operator : JU
 Sample : K5494-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:23:31 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

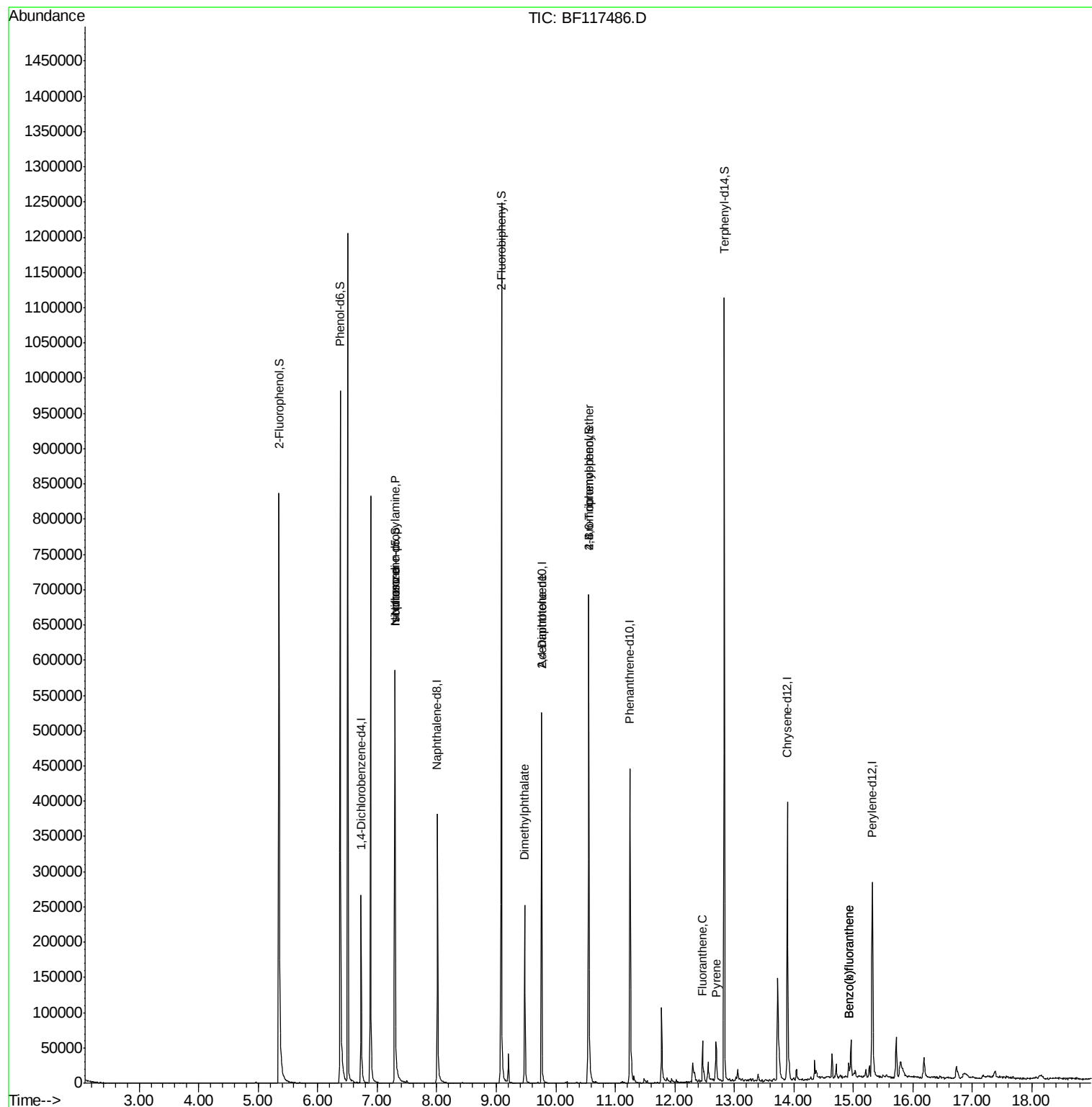
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	47433	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	194743	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	105099	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	176773	20.00	ng	0.00
76) Chrysene-d12	13.89	240	136076	20.00	ng	0.00
87) Perylene-d12	15.32	264	122908	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	270893	84.96	ng	0.00
7) Phenol-d6	6.38	99	377347	88.12	ng	0.00
23) Nitrobenzene-d5	7.30	82	235128	59.61	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	77946	85.71	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	375506	50.34	ng	0.00
79) Terphenyl-d14	12.83	244	379535	45.49	ng	0.00
Target Compounds						
9) Benzaldehyde	6.37	77	962	Below Cal	Qvalue #	3
19) n-Nitroso-di-n-propylamine	7.30	70	30440	11.639 ng	#	79
25) Isophorone	7.30	82	235126	34.455 ng	#	65
50) Dimethylphthalate	9.48	163	96558	12.887 ng		99
57) 2,4-Dinitrotoluene	9.76	165	13014	6.261 ng	#	12
67) 4-Bromophenyl-phenylether	10.55	248	4792	2.517 ng	#	1
75) Fluoranthene	12.46	202	27542	2.680 ng		99
77) Benzidine	12.83	184	5403	Below Cal	#	92
78) Pyrene	12.69	202	24028	2.056 ng		97
88) Benzo(b)fluoranthene	14.92	252	16253	2.239 ng		95
89) Benzo(k)fluoranthene	14.92	252	16253	2.185 ng		93

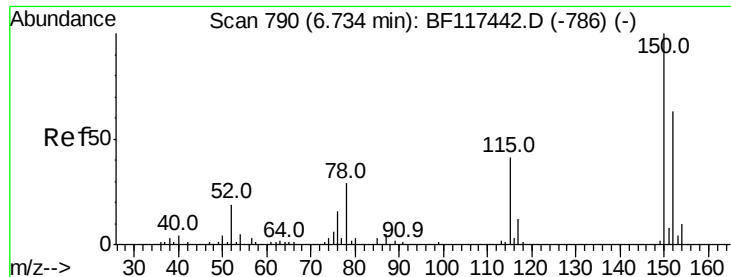
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
Data File : BF117486.D
Acq On : 23 Oct 2019 16:45
Operator : JU
Sample : K5494-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 24 08:23:31 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



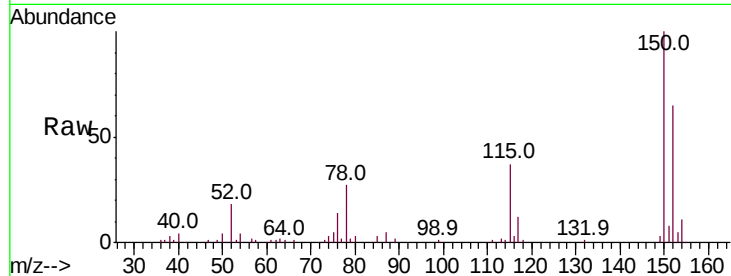


#1

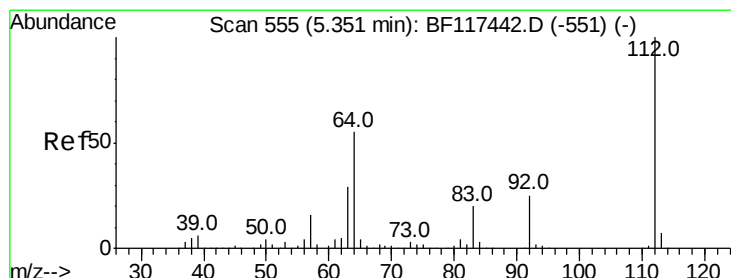
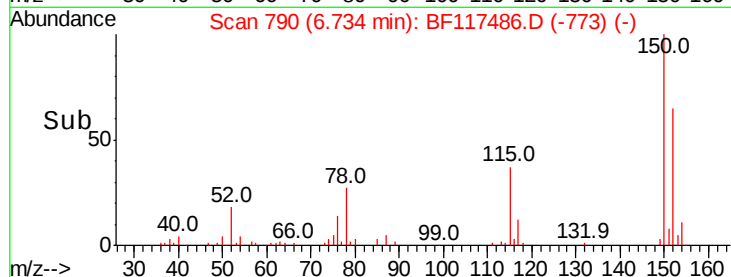
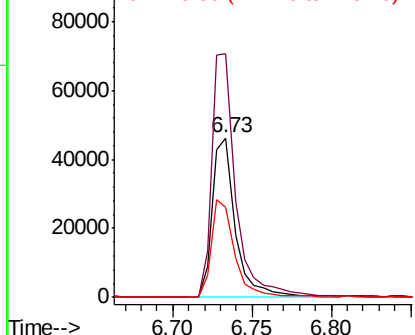
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 47433
Ion Ratio Lower Upper
152 100
150 152.9 126.8 190.2
115 56.5 51.6 77.4



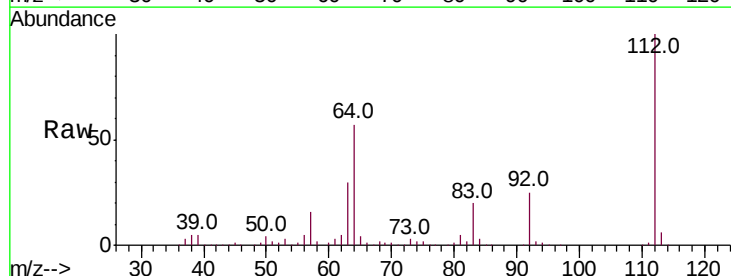
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



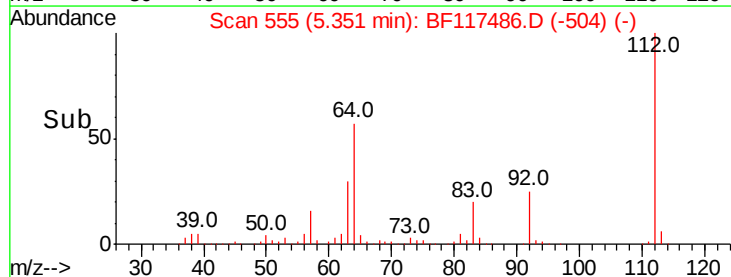
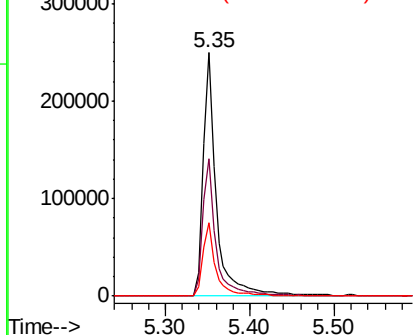
#5

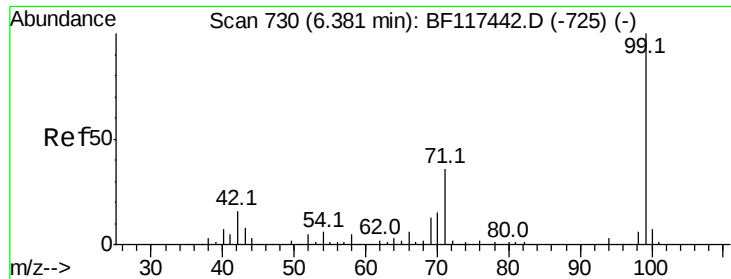
2-Fluorophenol
Concen: 84.964 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Tgt Ion:112 Resp: 270893
Ion Ratio Lower Upper
112 100
64 56.6 44.1 66.1
63 30.3 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: 88.118 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA_F

ClientSampleId :

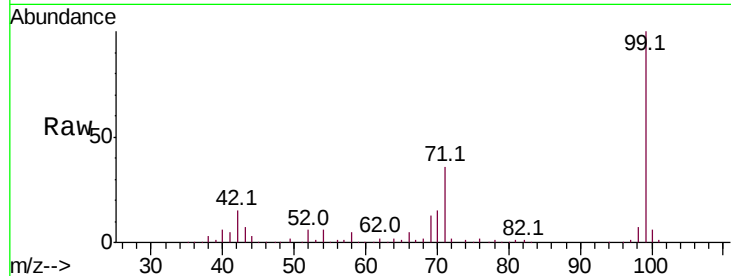
Tot Ion: 99 Resp: 377347

Ion Ratio Lower Upper

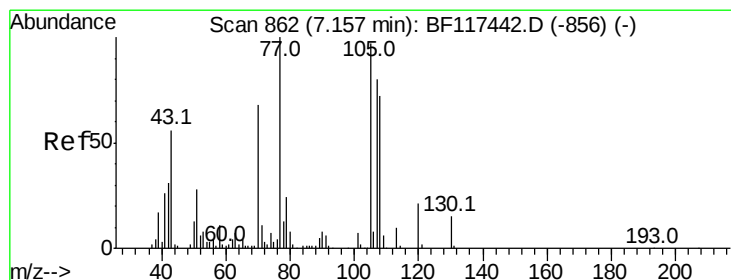
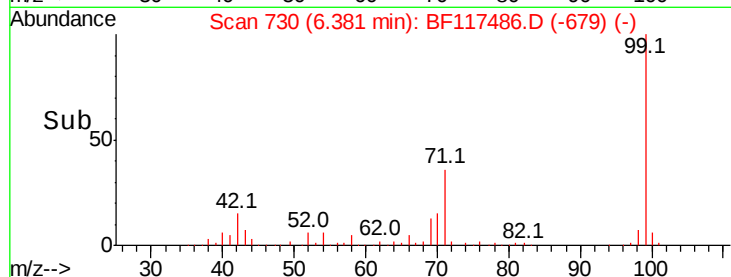
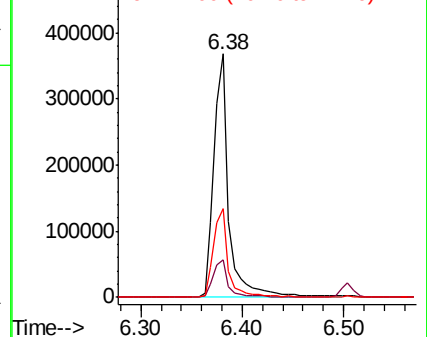
99 100

42 15.3 12.8 19.2

71 36.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 11.639 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Tgt Ion: 70 Resp: 30440

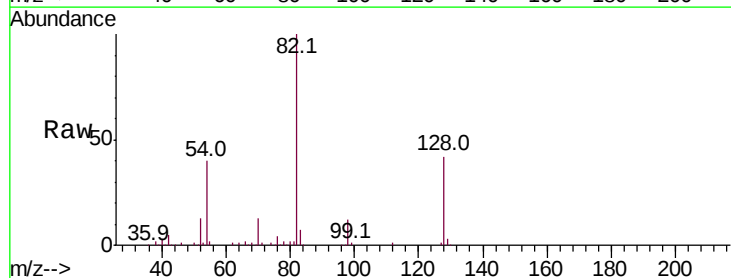
Ion Ratio Lower Upper

70 100

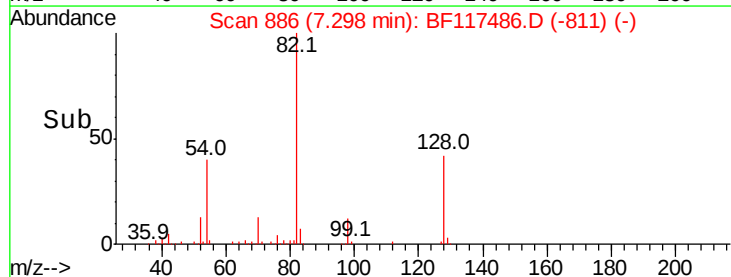
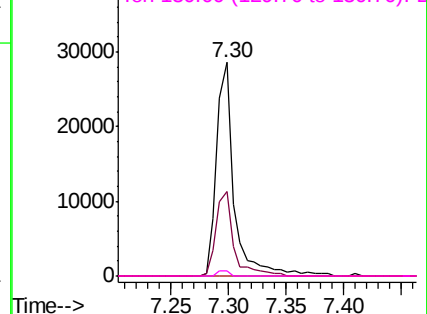
42 39.5 36.7 55.1

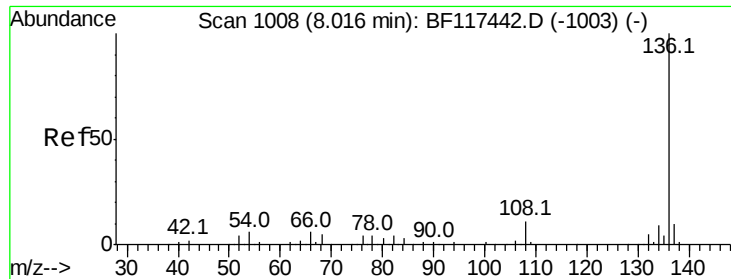
101 0.0 8.3 12.5#

130 2.3 18.1 27.1#



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

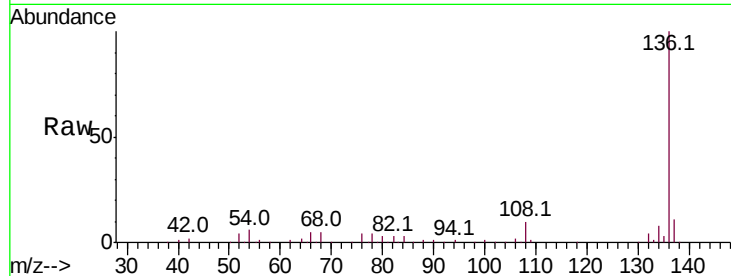




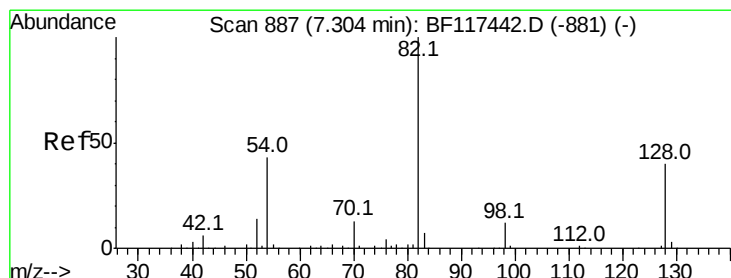
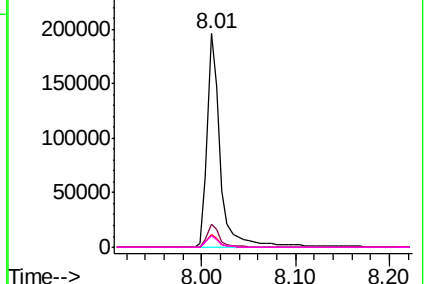
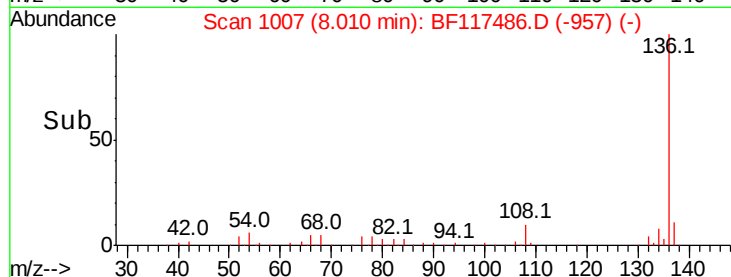
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	194743
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	5.8	4.5	6.7
68	5.2	4.3	6.5

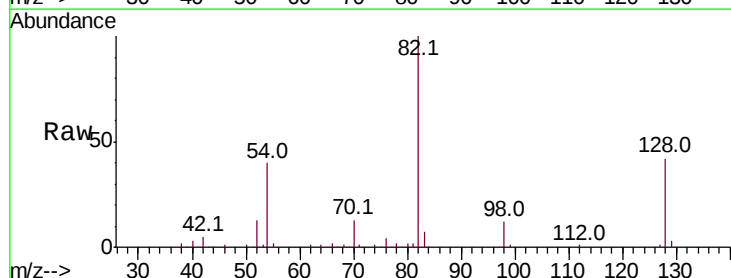


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

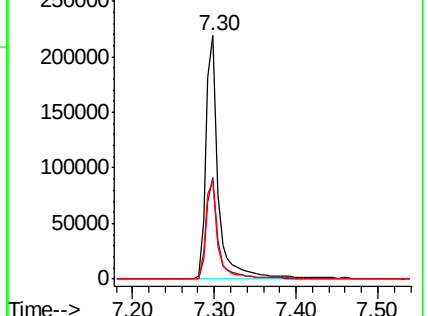
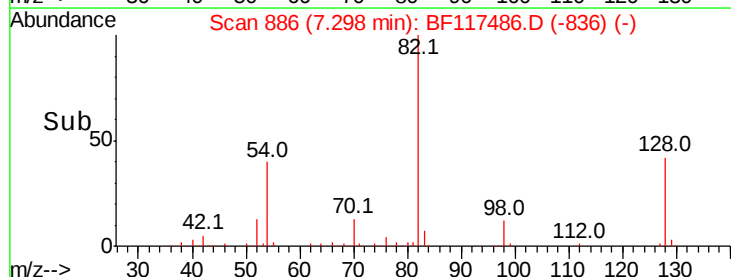


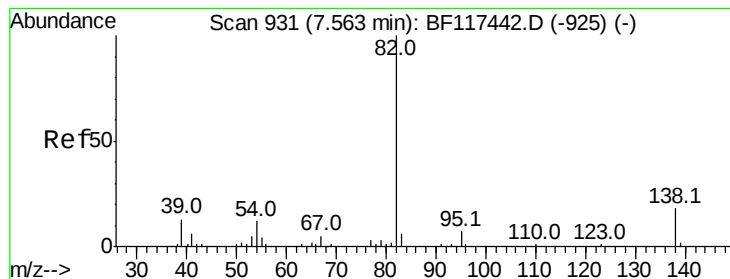
#23
Nitrobenzene-d5
Concen: 59.606 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Tgt Ion:	82	Resp:	235128
Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.2	48.2
54	39.9	34.2	51.2



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





#25

Isophorone

Concen: 34.455 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA_F

ClientSampleId :

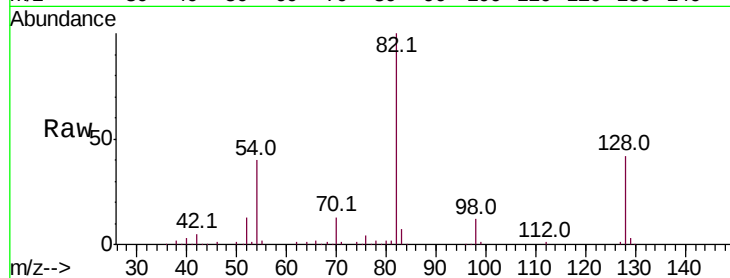
Tot Ion: 82 Resp: 235126

Ion Ratio Lower Upper

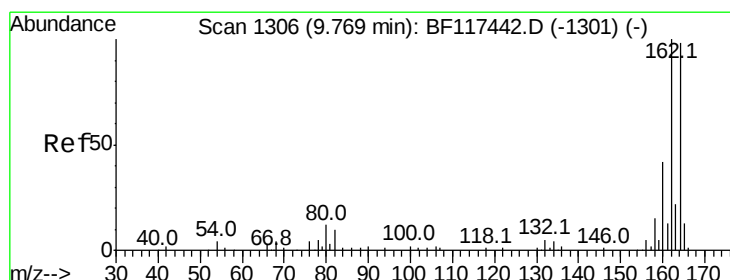
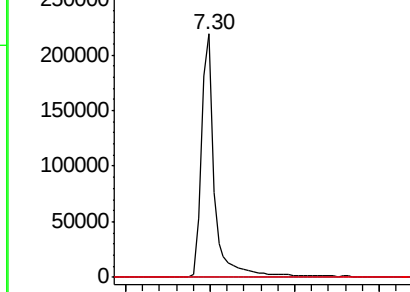
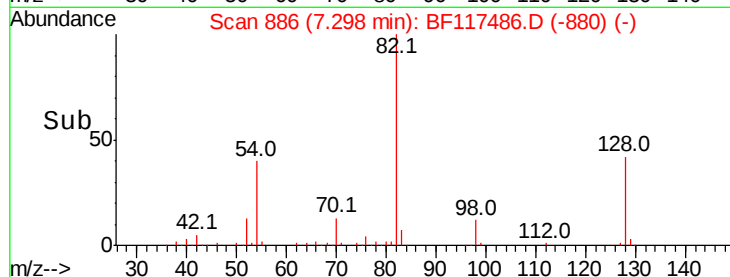
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

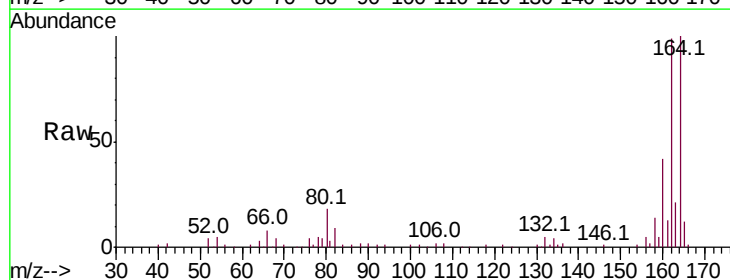
Tgt Ion:164 Resp: 105099

Ion Ratio Lower Upper

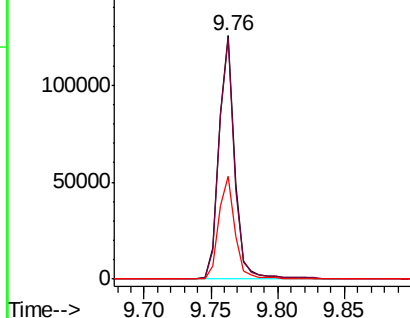
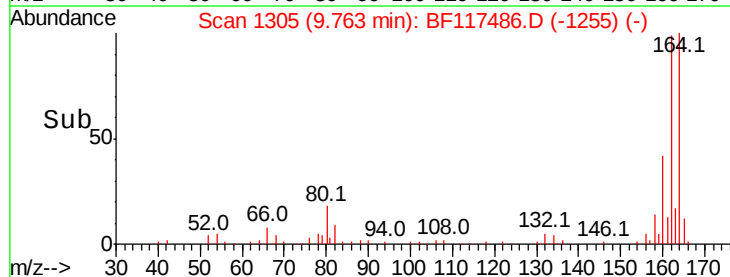
164 100

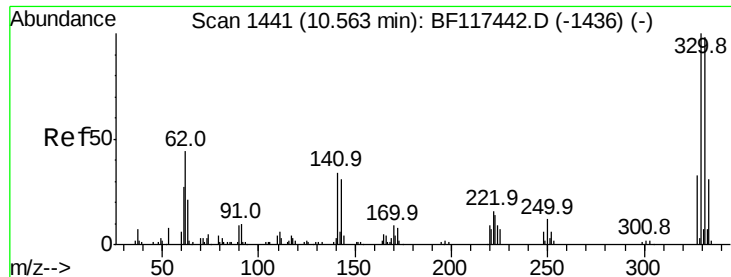
162 98.8 81.8 122.6

160 42.1 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

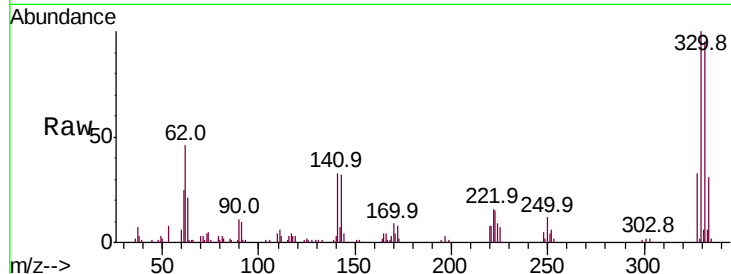




#42
 2,4,6-Tribromophenol
 Concen: 85.714 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117486.D
 Acq: 23 Oct 2019 16:45

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.5	117.7
141	44.8	37.0	55.6

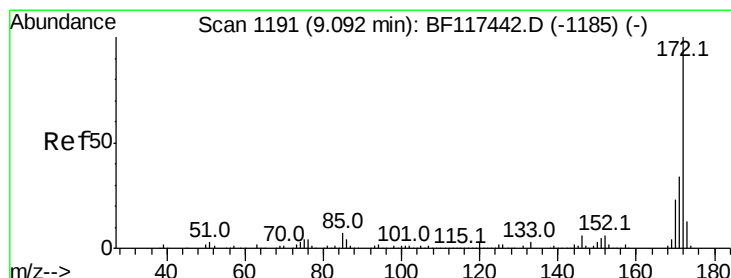
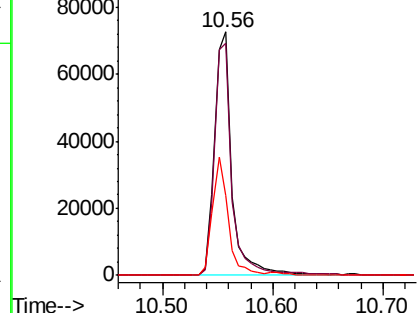
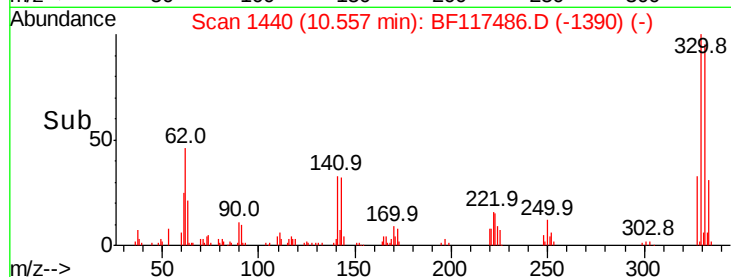


Abundance

Ion 329.80 (329.50 to 330.50): E

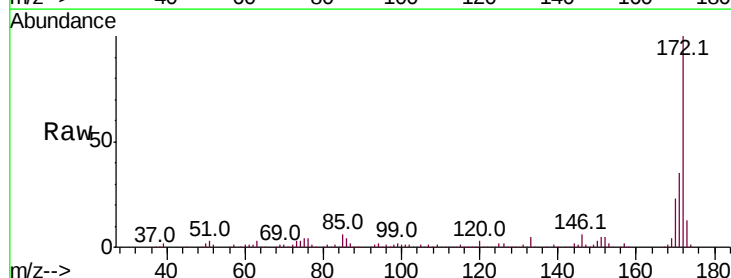
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 50.341 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117486.D
 Acq: 23 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.5	41.3
170	23.3	18.6	27.8

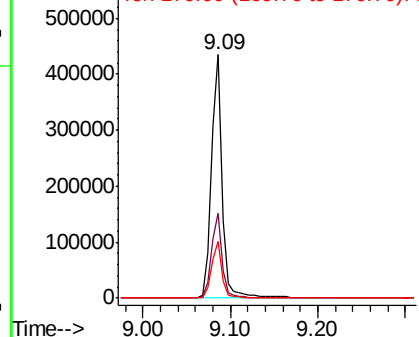
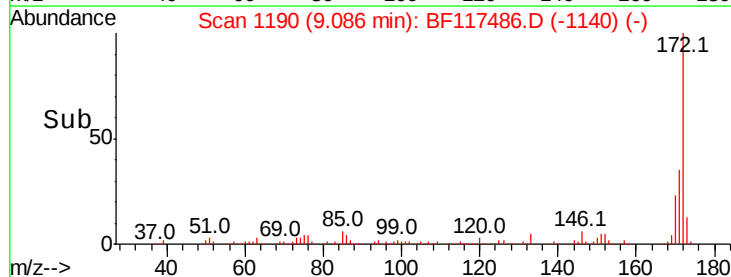


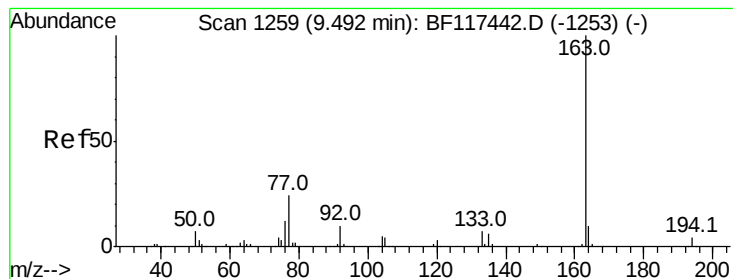
Abundance

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





#50

Dimethylphthalate

Concen: 12.887 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA_F

ClientSampleId :

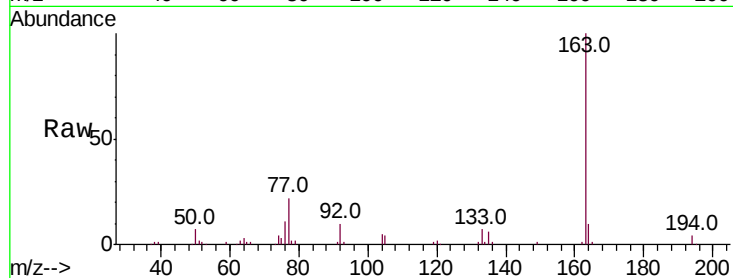
Tot Ion:163 Resp: 96558

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

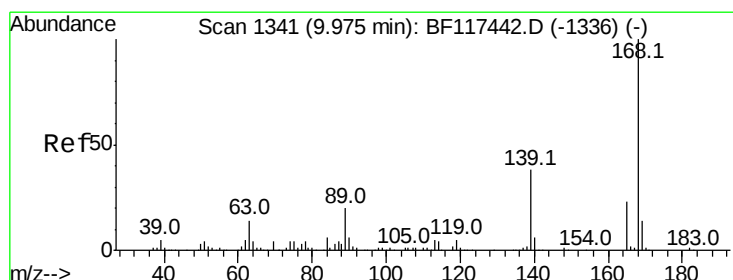
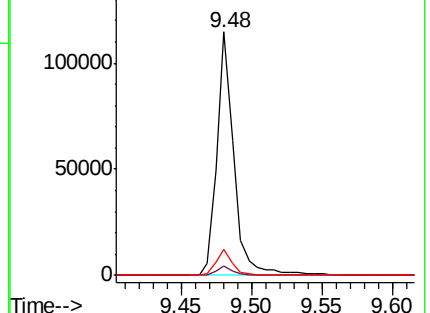
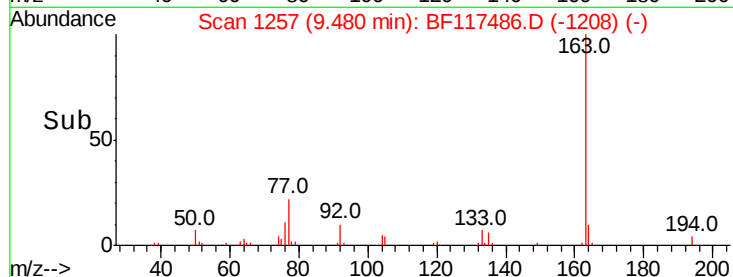
164 10.5 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 6.261 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Tgt Ion:165 Resp: 13014

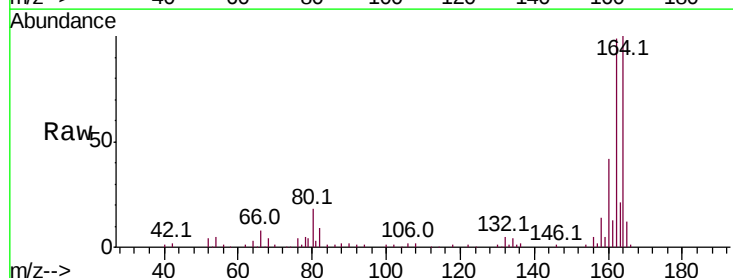
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

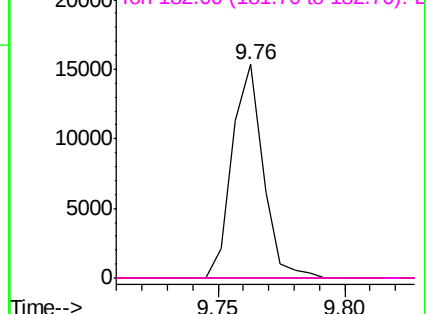
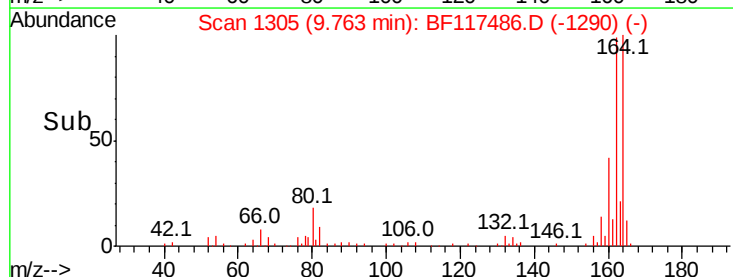


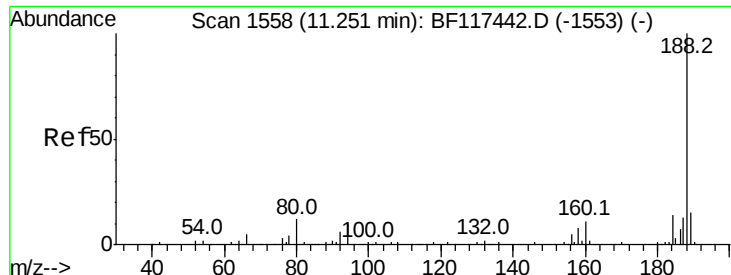
Abundance Ion 165.00 (164.70 to 165.70): E

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

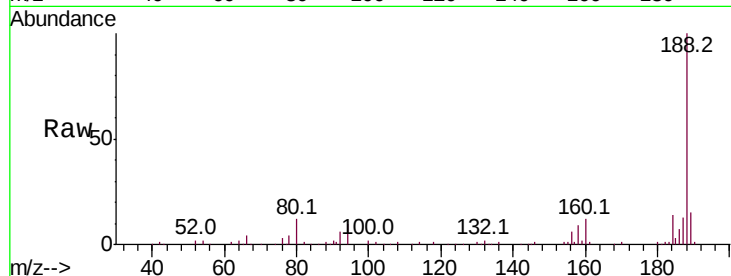




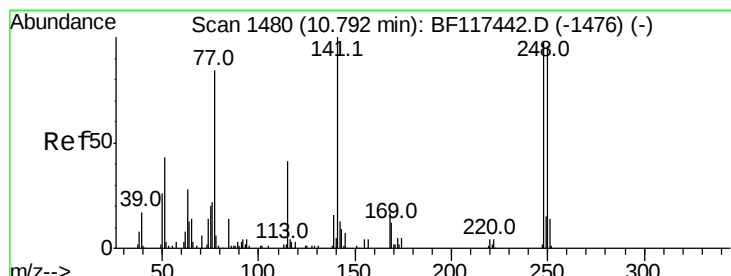
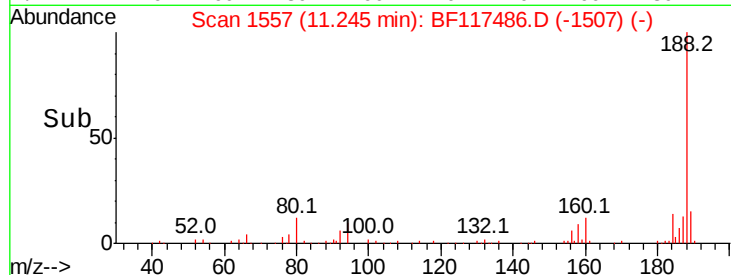
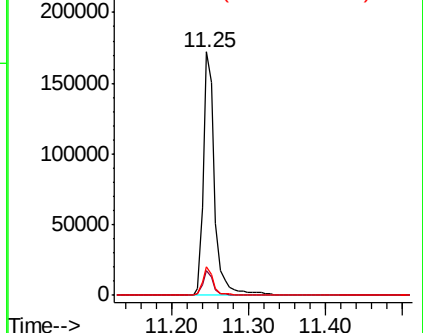
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117486.D
 Acq: 23 Oct 2019 16:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 176773
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.0 12.0
 80 12.0 9.5 14.3

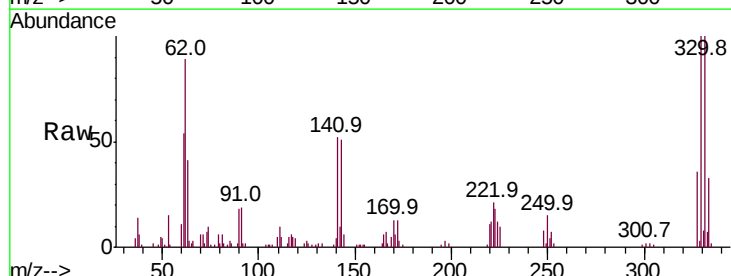


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

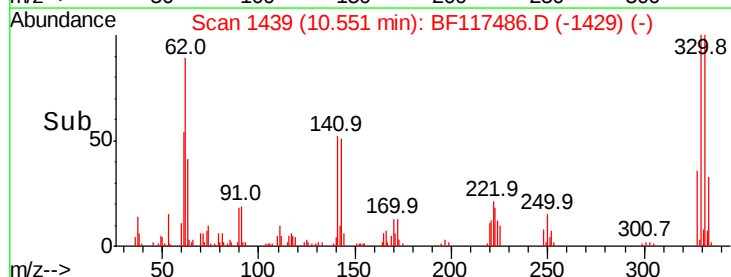
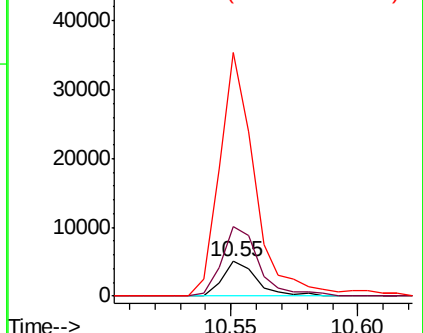


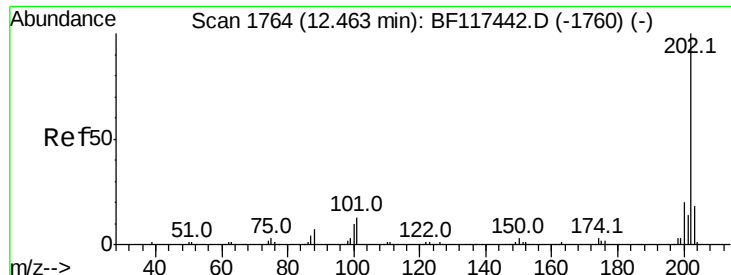
#67
 4-Bromophenyl-phenylether
 Concen: 2.517 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117486.D
 Acq: 23 Oct 2019 16:45

Tgt Ion:248 Resp: 4792
 Ion Ratio Lower Upper
 248 100
 250 198.4 78.0 117.0#
 141 697.3 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





#75

Fluoranthene

Concen: 2.680 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA_F

ClientSampleId :

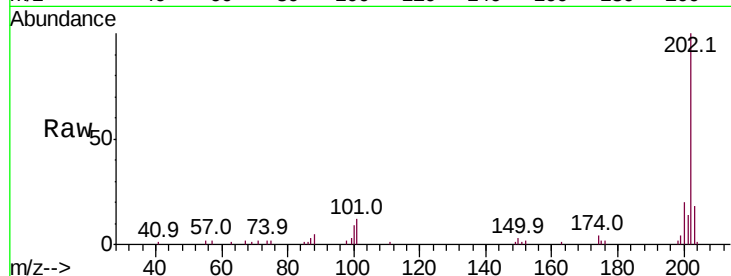
Tot Ion:202 Resp: 27542

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

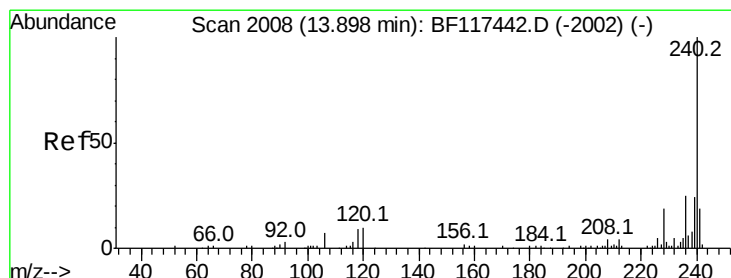
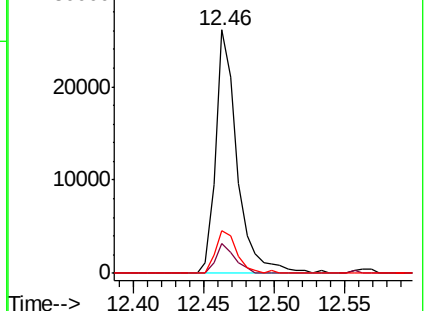
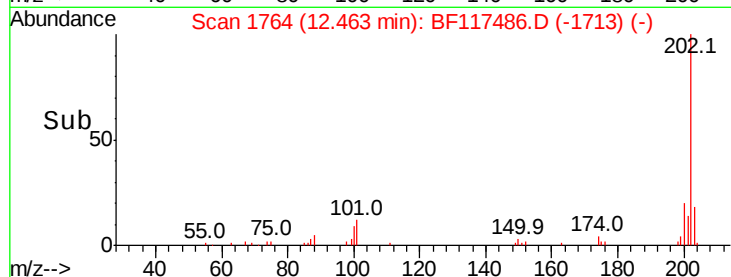
203 17.8 0.0 37.6



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: BF117486.D

Acq: 23 Oct 2019 16:45

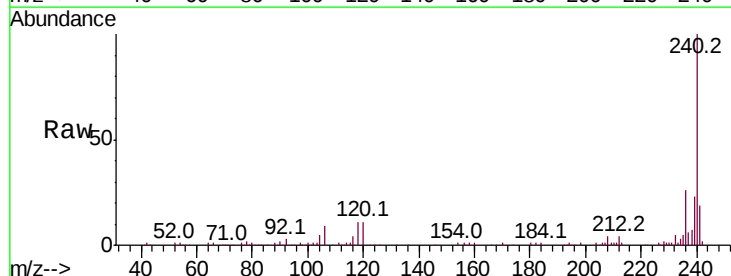
Tgt Ion:240 Resp: 136076

Ion Ratio Lower Upper

240 100

120 10.7 8.4 12.6

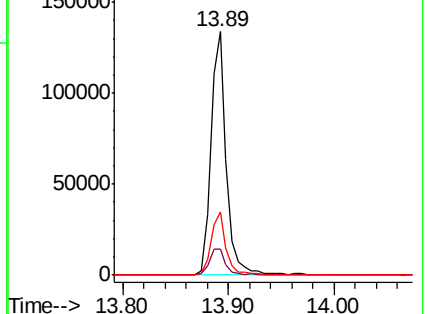
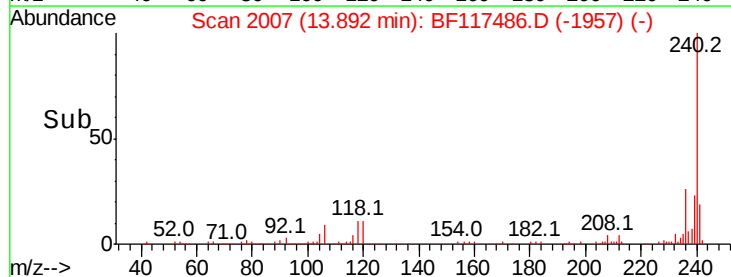
236 26.0 20.0 30.0

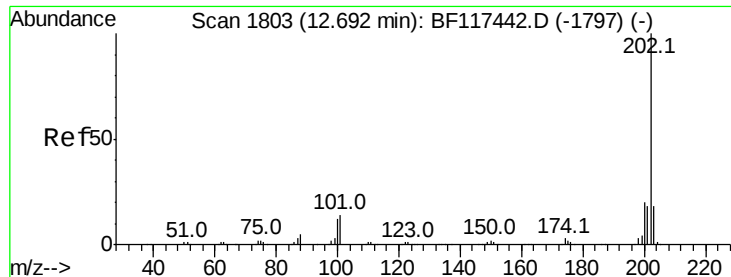


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

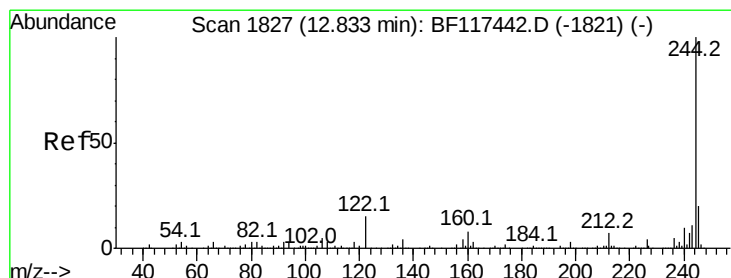
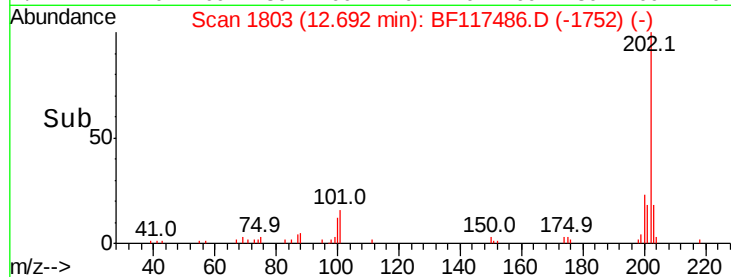
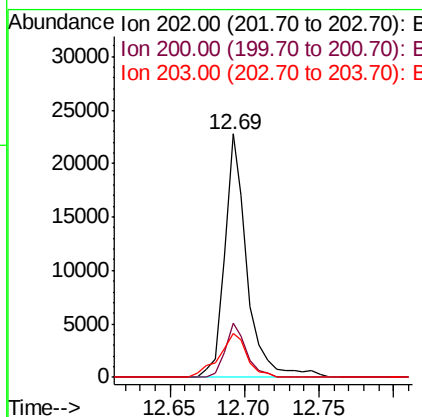
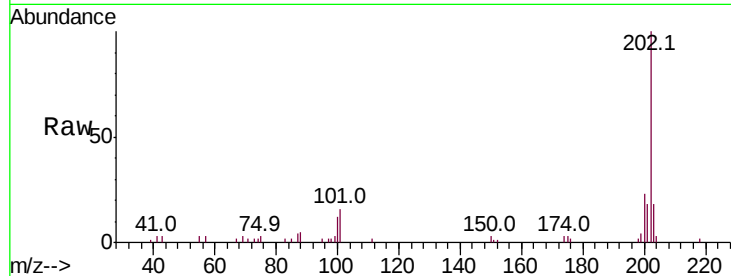




#78
Pvrene
Concen: 2.056 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

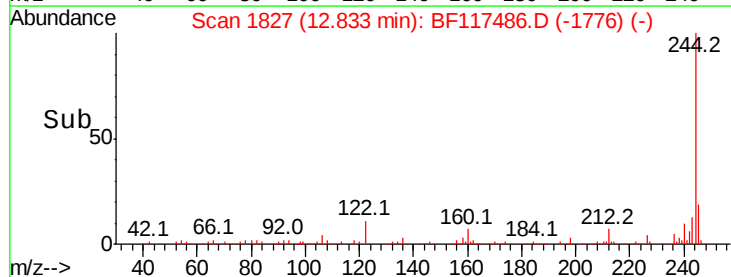
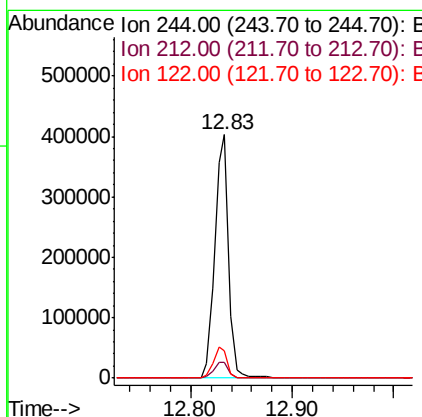
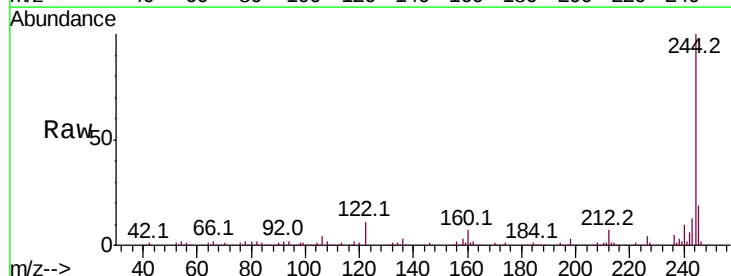
Instrument :
BNA_F
ClientSampleId :

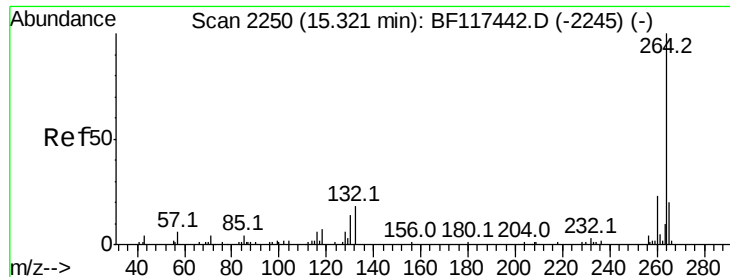
Tot Ion:202 Resp: 24028
Ion Ratio Lower Upper
202 100
200 22.5 16.2 24.2
203 17.9 14.0 21.0



#79
Terphenyl-d14
Concen: 45.494 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Tgt Ion:244 Resp: 379535
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.6
122 11.0 11.8 17.8#

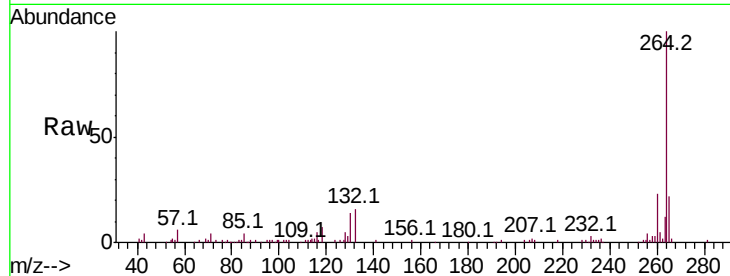




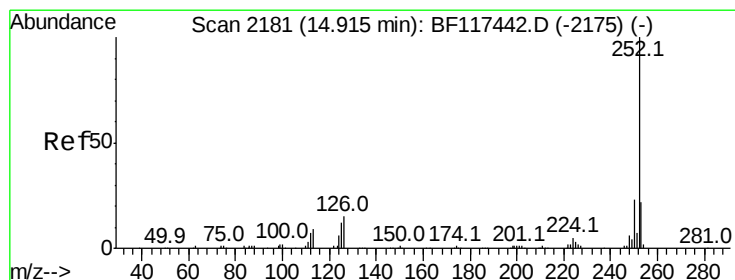
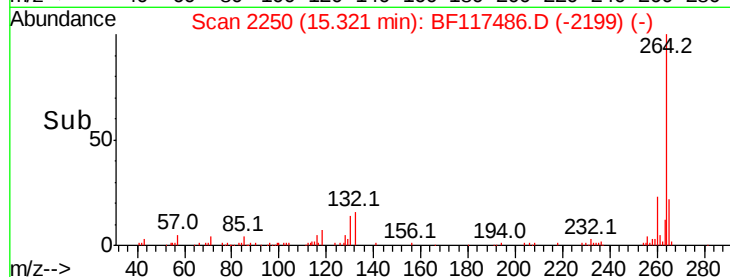
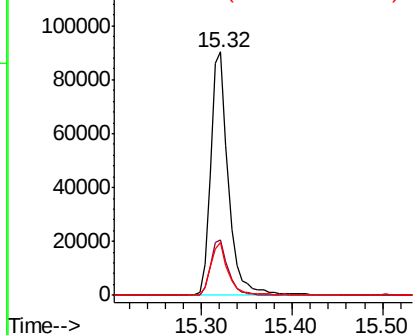
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 122908
Ion Ratio Lower Upper
264 100
260 22.8 18.4 27.6
265 21.7 16.1 24.1

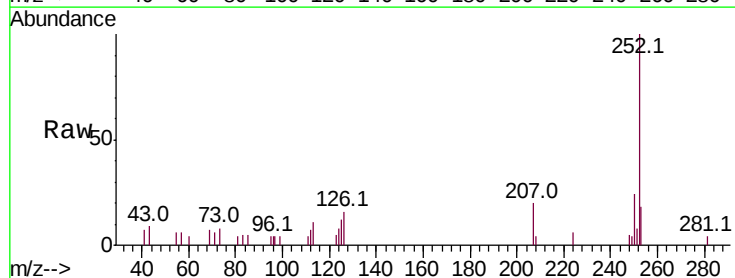


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

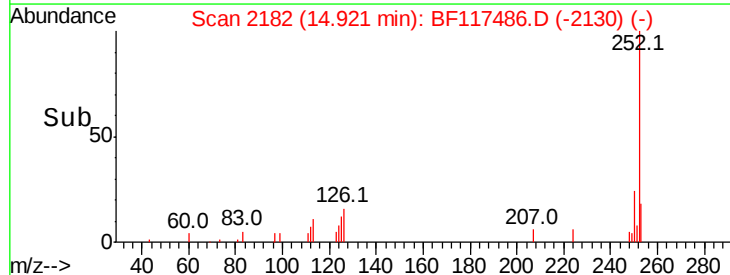
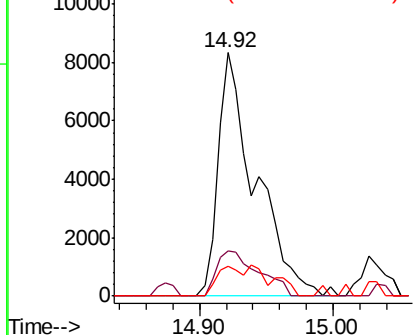


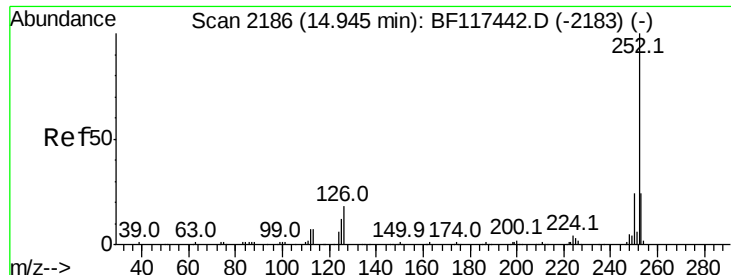
#88
Benzo(b)fluoranthene
Concen: 2.239 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117486.D
Acq: 23 Oct 2019 16:45

Tgt Ion:252 Resp: 16253
Ion Ratio Lower Upper
252 100
253 18.5 17.8 26.6
125 12.2 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: 2.185 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117486.D

Acq: 23 Oct 2019 16:45

Instrument :

BNA_F

ClientSampleId :

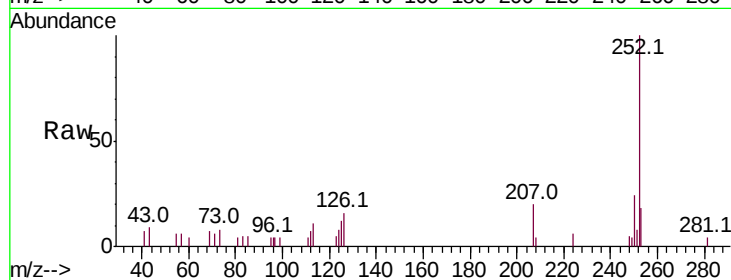
Tot Ion:252 Resp: 16253

Ion Ratio Lower Upper

252 100

253 18.5 18.0 27.0

125 12.2 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

