

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117492.D
 Acq On : 23 Oct 2019 19:24
 Operator : JU
 Sample : K5139-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:24:10 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	42974	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	175881	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	93139	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	148447	20.00	ng	0.00
76) Chrysene-d12	13.89	240	88681	20.00	ng	-0.01
87) Perylene-d12	15.32	264	96073	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	283970	98.31	ng	0.00
7) Phenol-d6	6.38	99	391154	100.82	ng	0.00
23) Nitrobenzene-d5	7.30	82	236903	66.50	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	76872	95.39	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	391953	59.29	ng	0.00
79) Terphenyl-d14	12.83	244	354342	65.17	ng	0.00

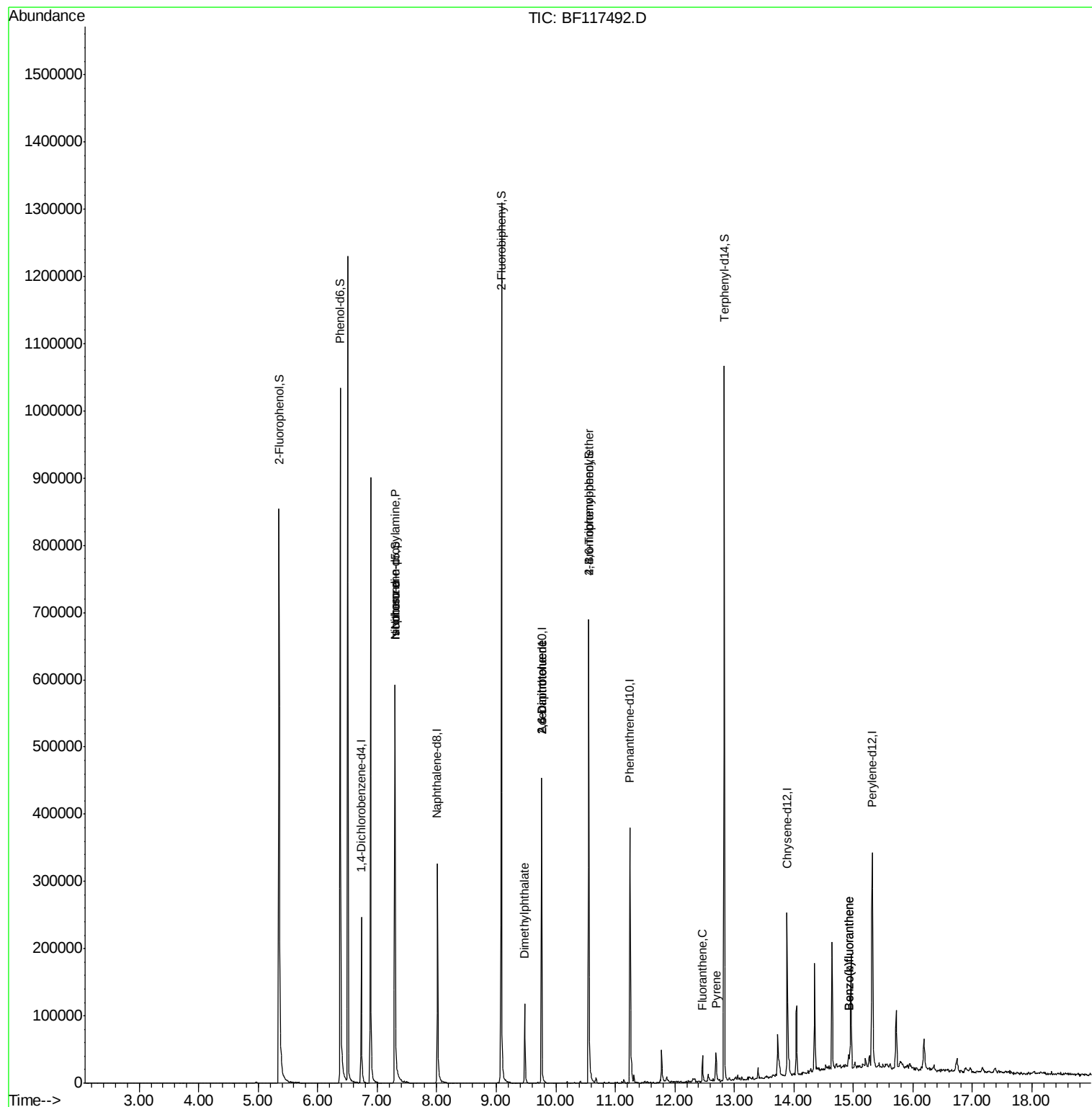
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	520	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	31260	13.193	ng	# 80
25) Isophorone	7.30	82	236902	38.439	ng	# 65
50) Dimethylphthalate	9.48	163	49245	7.417	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	11567	8.348	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	11567	6.279	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	4694	2.936	ng	# 1
75) Fluoranthene	12.46	202	19394	2.248	ng	# 97
77) Benzidine	12.83	184	4932	Below Cal	#	93
78) Pyrene	12.69	202	19813	2.601	ng	# 99
88) Benzo(b)fluoranthene	14.92	252	14929	2.631	ng	# 89
89) Benzo(k)fluoranthene	14.92	252	14929	2.567	ng	# 88

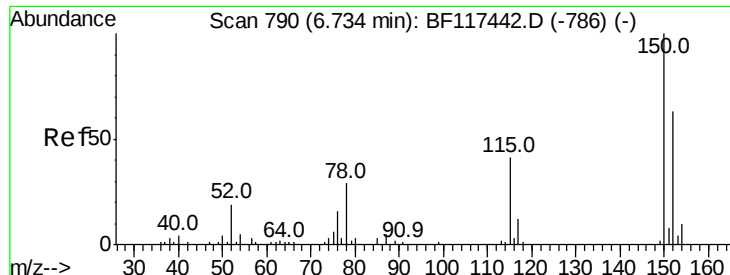
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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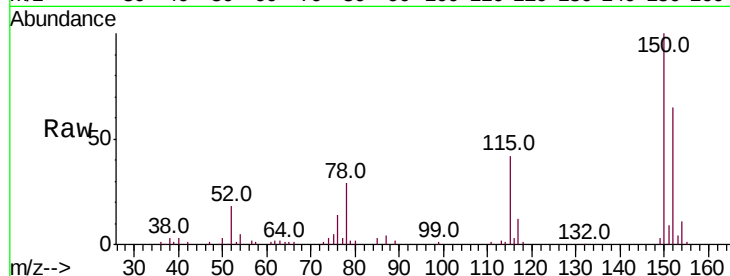


#1

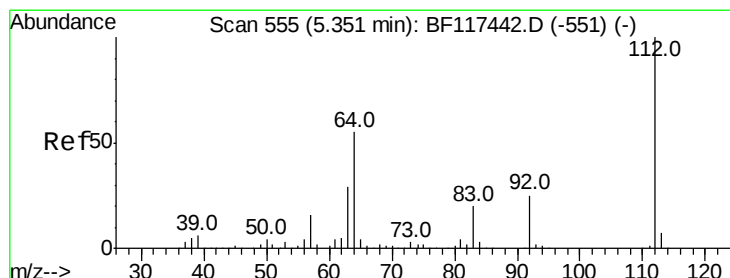
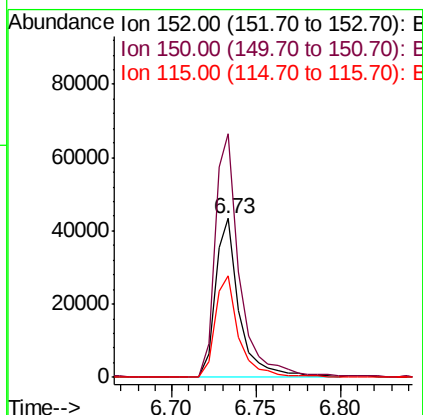
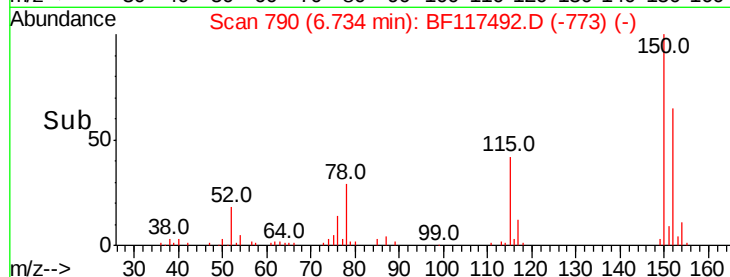
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42974
Ion Ratio Lower Upper
152 100
150 153.2 126.8 190.2
115 64.1 51.6 77.4



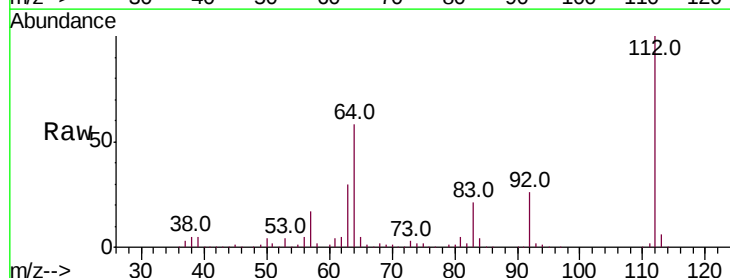
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



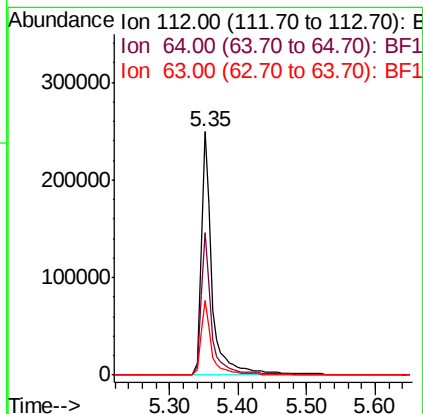
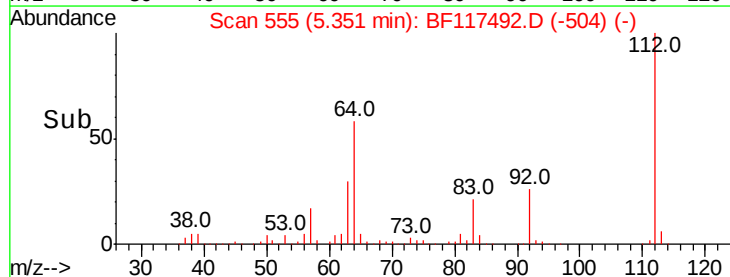
#5

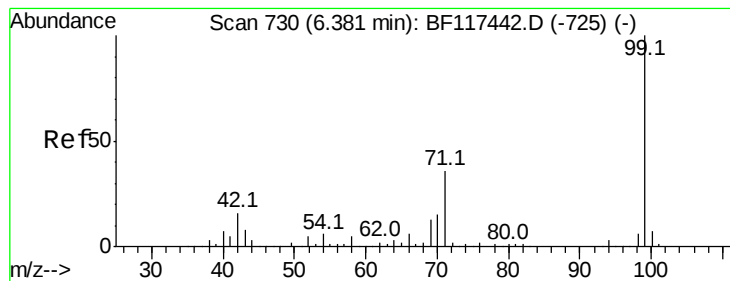
2-Fluorophenol
Concen: 98.307 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Tgt Ion:112 Resp: 283970
Ion Ratio Lower Upper
112 100
64 58.3 44.1 66.1
63 30.5 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: 100.820 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Instrument :

BNA_F

ClientSampled :

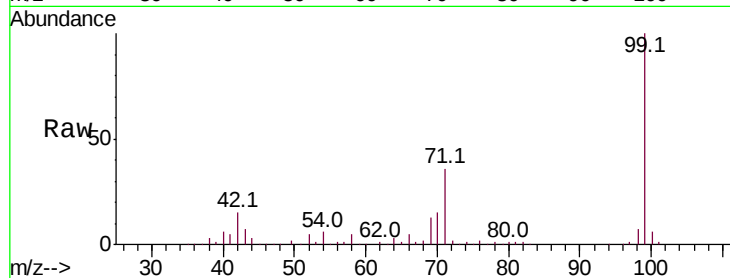
Tot Ion: 99 Resp: 391154

Ion Ratio Lower Upper

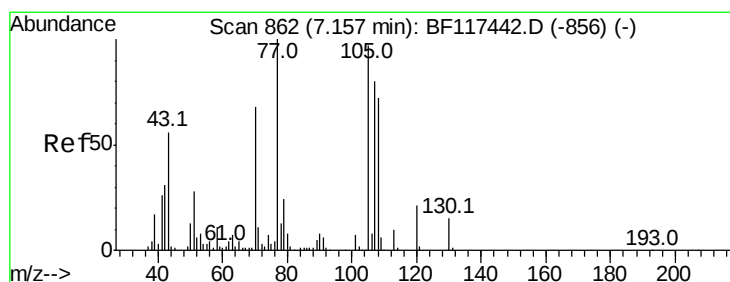
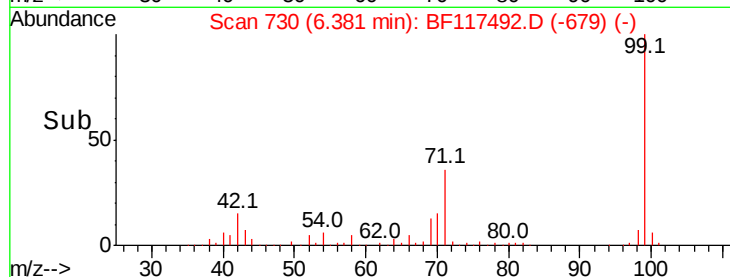
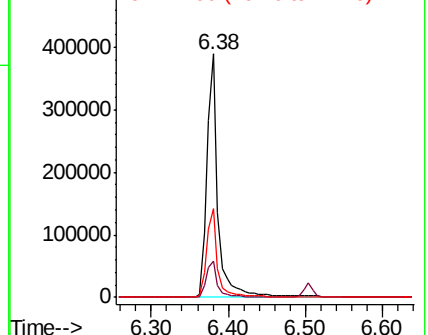
99 100

42 15.1 12.8 19.2

71 36.4 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: 13.193 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Tgt Ion: 70 Resp: 31260

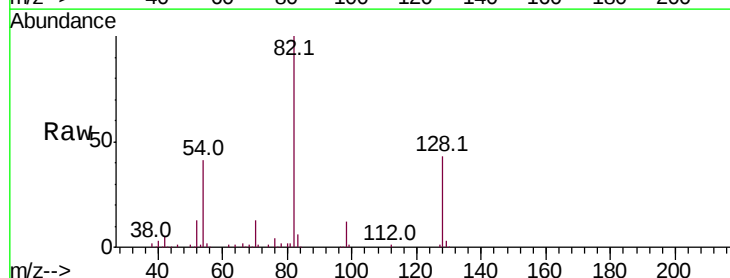
Ion Ratio Lower Upper

70 100

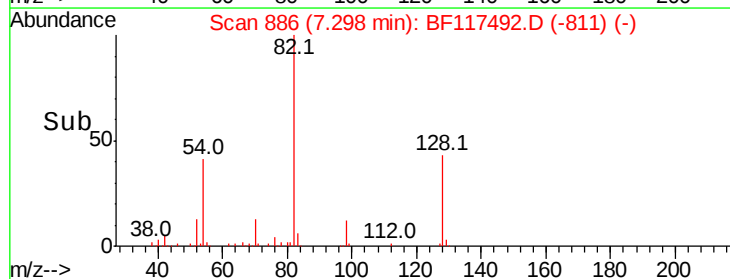
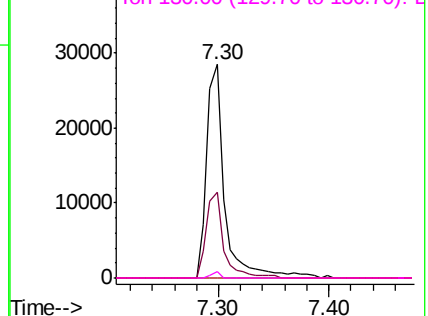
42 40.2 36.7 55.1

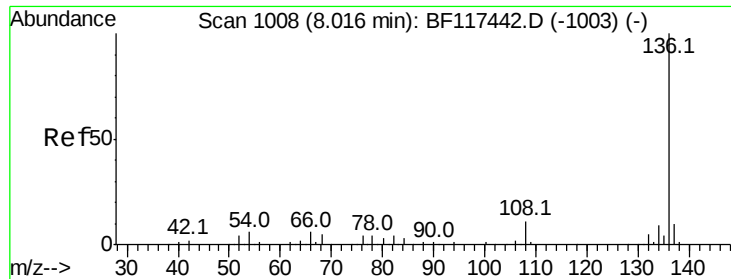
101 0.0 8.3 12.5#

130 2.9 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

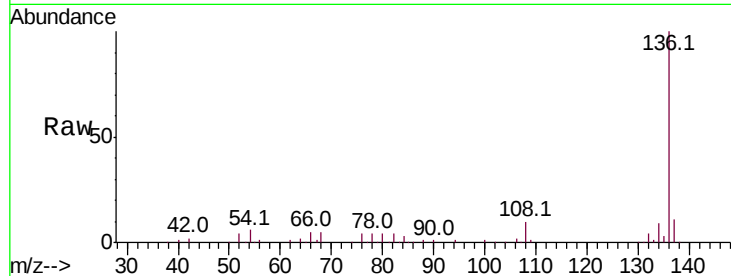




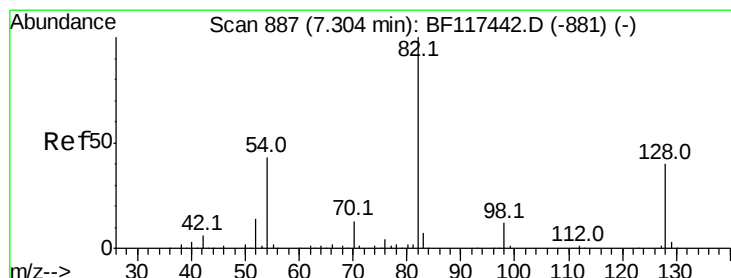
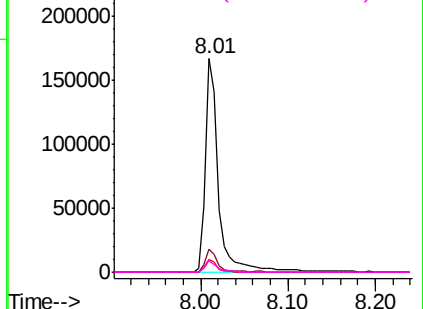
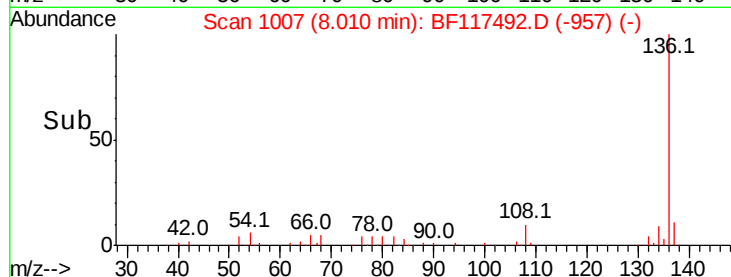
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	175881
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	6.2	4.5	6.7
68	5.2	4.3	6.5

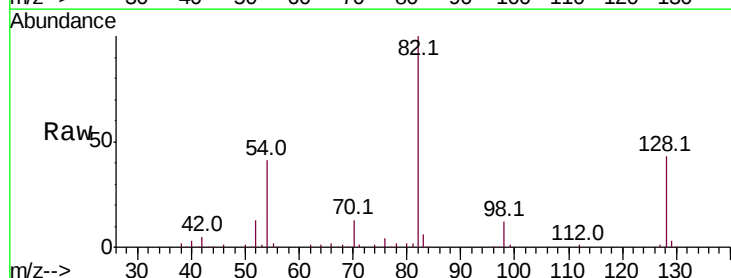


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

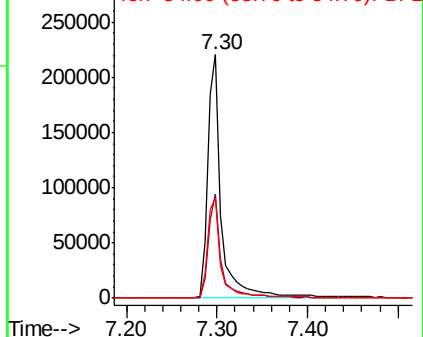
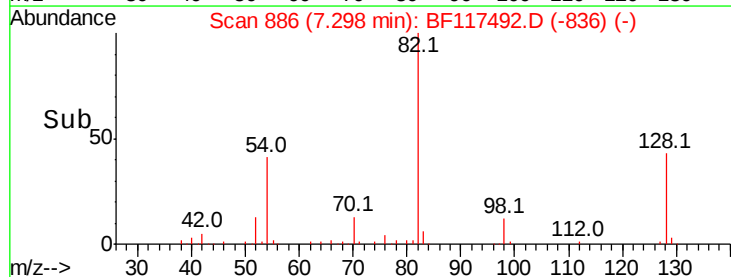


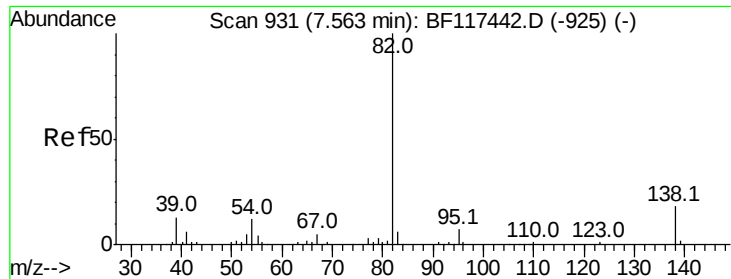
#23
Nitrobenzene-d5
Concen: 66.496 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Tgt Ion:	82	Resp:	236903
Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.2	48.2
54	41.2	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: 38.439 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Instrument :
BNA_F
ClientSampled :

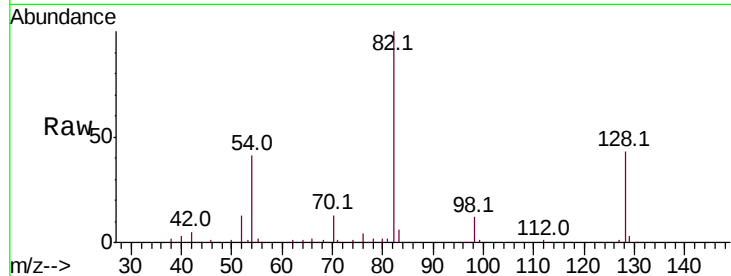
Tot Ion: 82 Resp: 236902

Ion Ratio Lower Upper

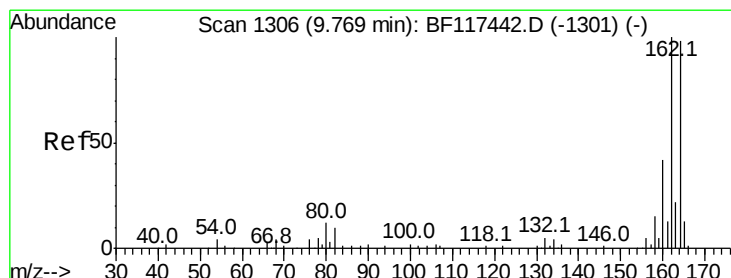
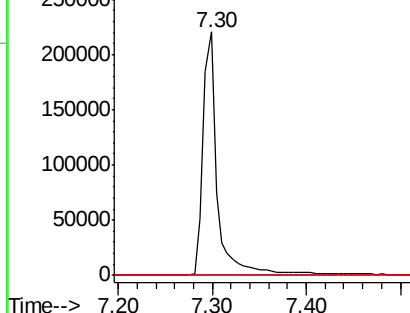
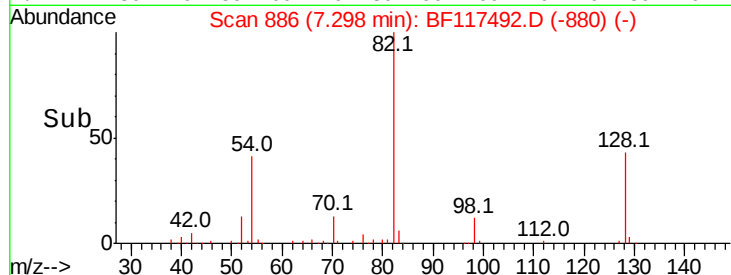
82 100

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: BF117492.D

Acq: 23 Oct 2019 19:24

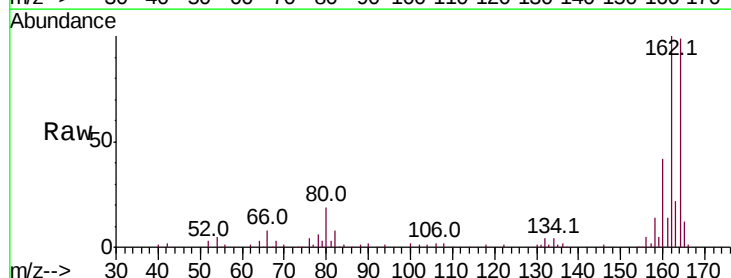
Tgt Ion:164 Resp: 93139

Ion Ratio Lower Upper

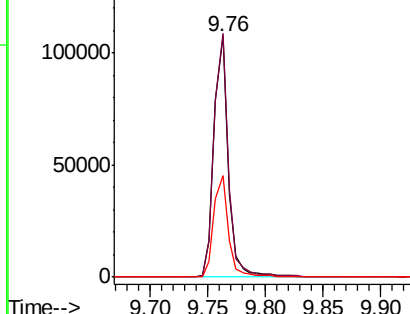
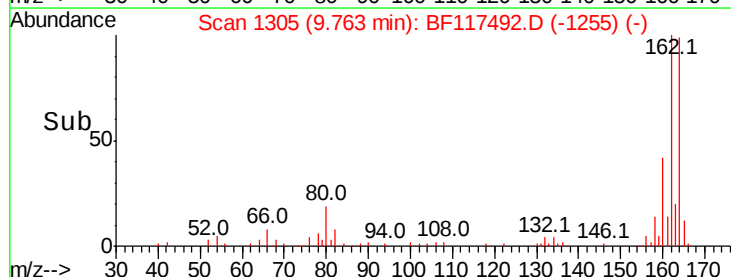
164 100

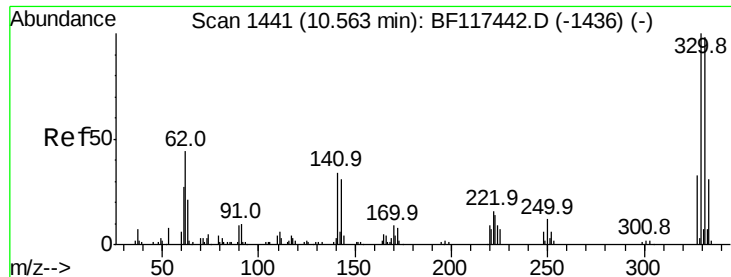
162 101.1 81.8 122.6

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

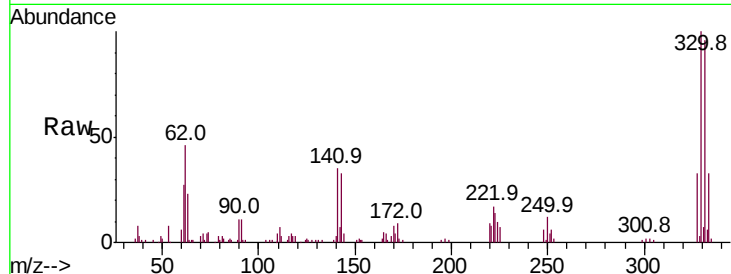




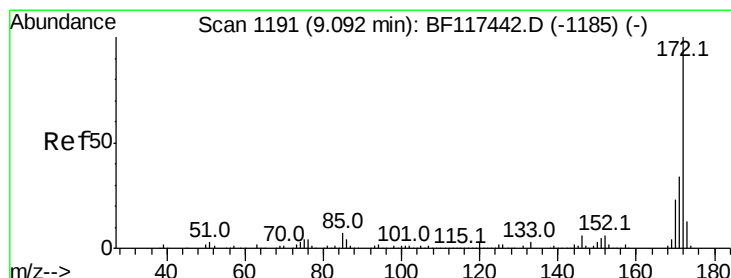
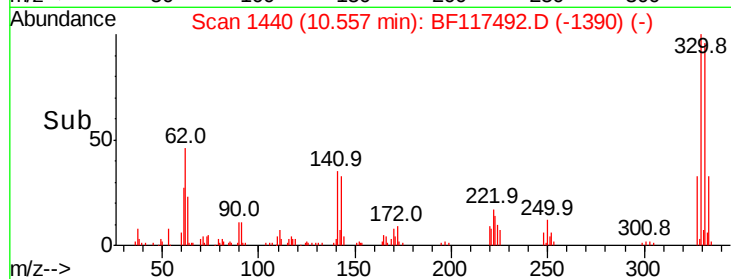
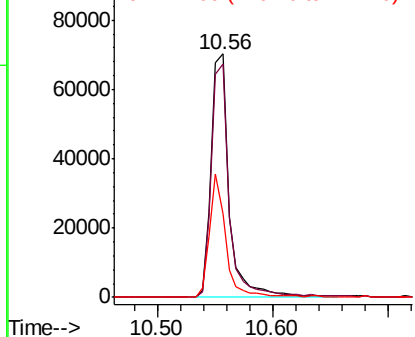
#42
 2,4,6-Tribromophenol
 Concen: 95.387 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 76872
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.5 117.7
 141 45.2 37.0 55.6

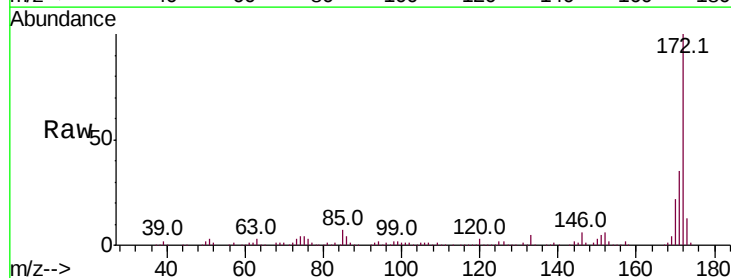


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

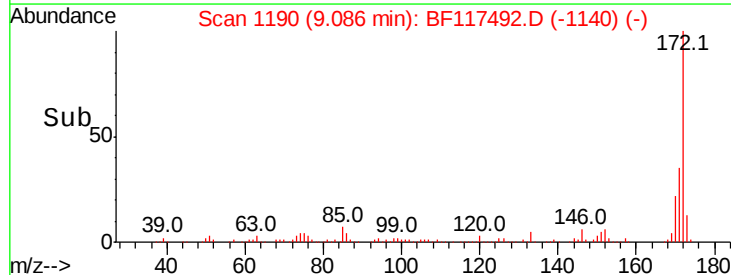
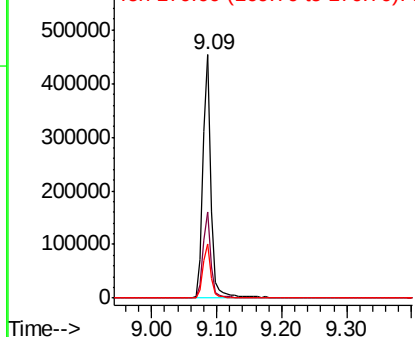


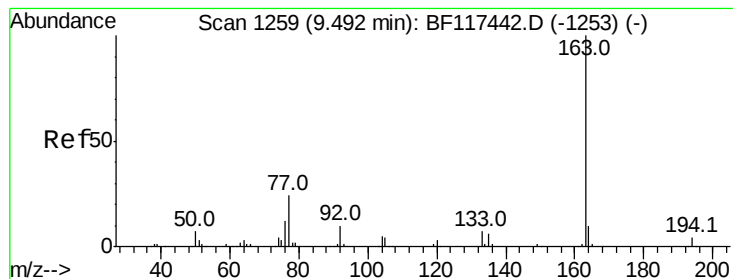
#45
 2-Fluorobiphenyl
 Concen: 59.294 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

Tgt Ion:172 Resp: 391953
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.5 41.3
 170 22.3 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: 7.417 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Instrument :

BNA_F

ClientSampleId :

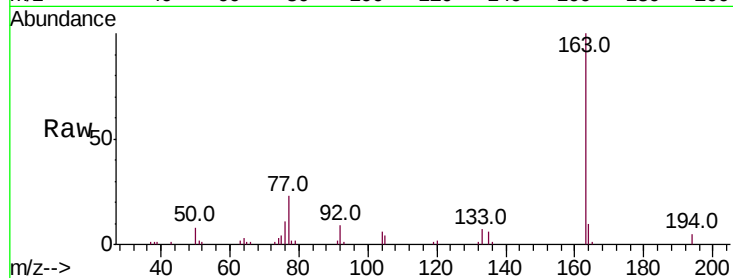
Tot Ion:163 Resp: 49245

Ion Ratio Lower Upper

163 100

194 4.5 2.9 4.3#

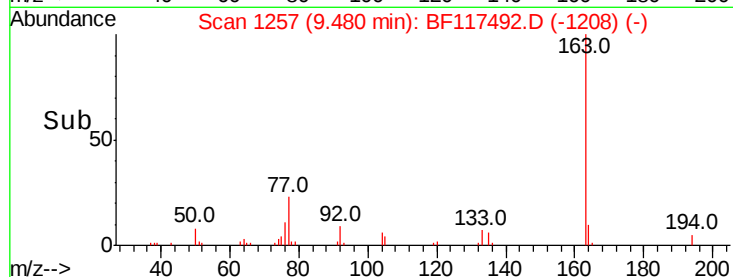
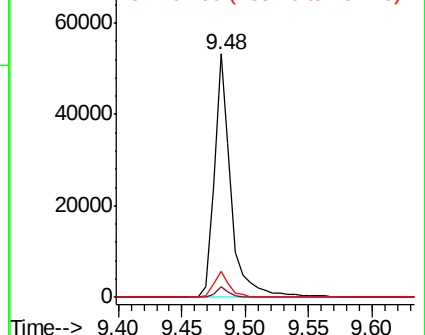
164 10.5 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 8.348 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

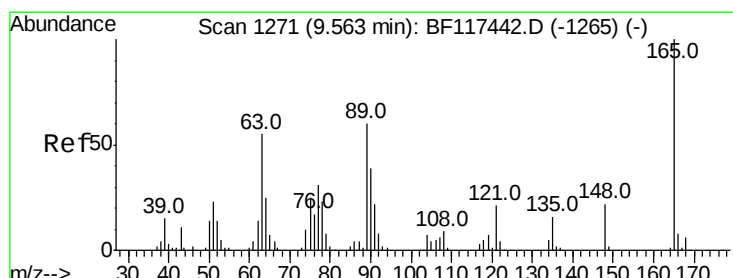
Tgt Ion:165 Resp: 11567

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

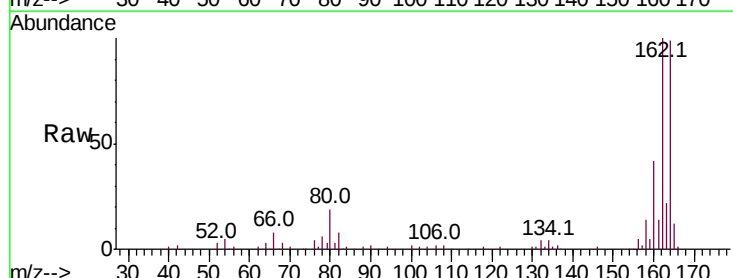
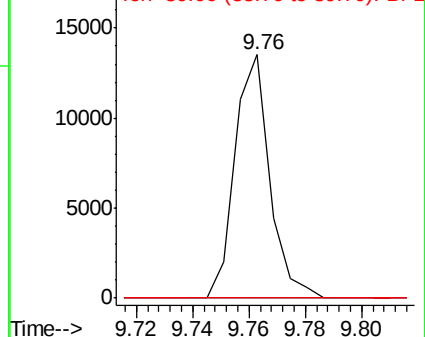
89 0.0 47.6 71.4#

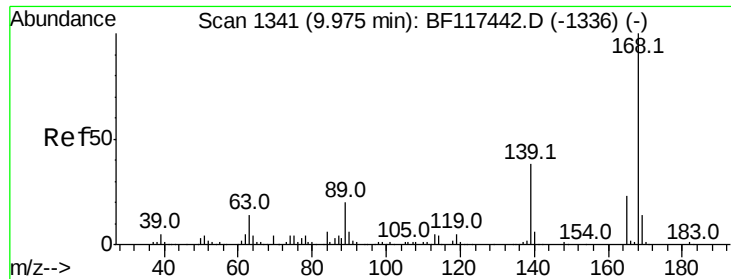


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

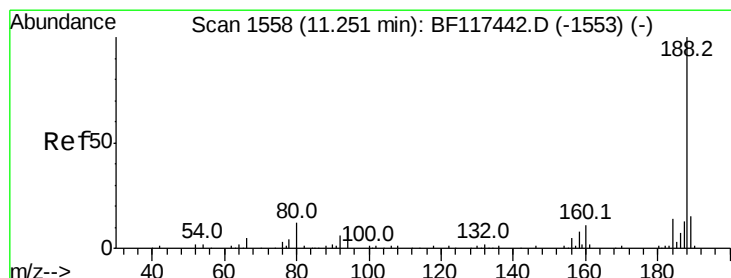
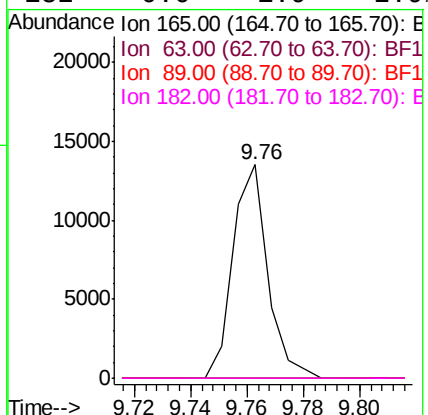
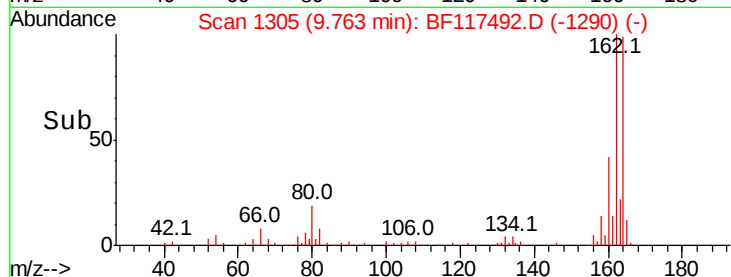
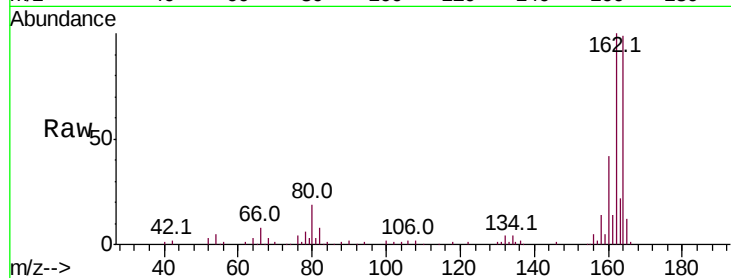




#57
 2,4-Dinitrotoluene
 Concen: 6.279 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

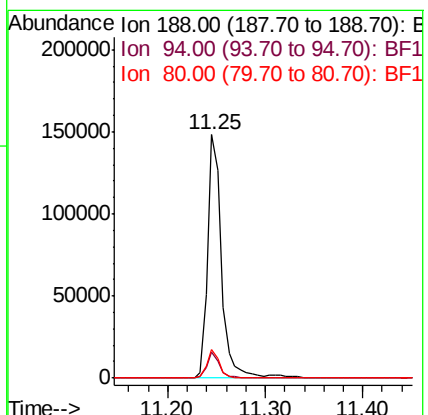
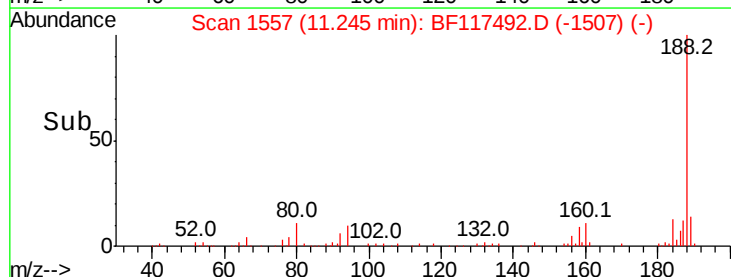
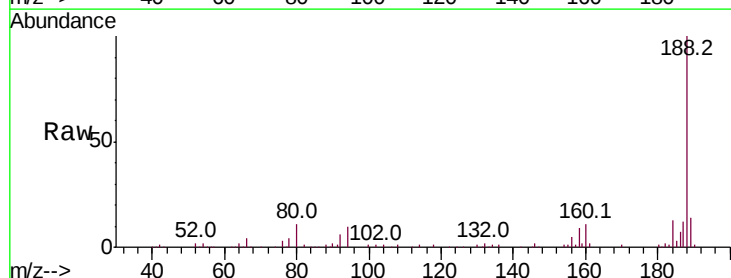
Instrument :
 BNA_F
 ClientSampleId :

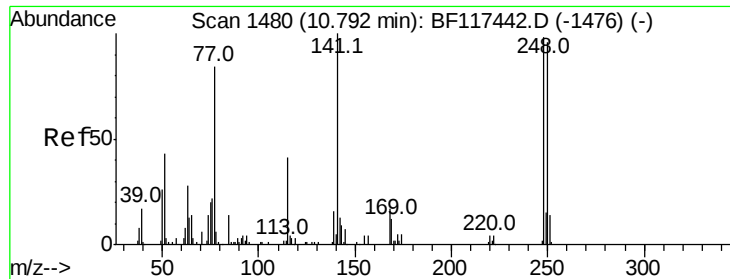
Tot Ion:165 Resp: 11567
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

Tgt Ion:188 Resp: 148447
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.0 12.0
 80 11.5 9.5 14.3





#67

4-Bromophenyl-phenylether

Concen: 2.936 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.24 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Instrument :

BNA_F

ClientSampled :

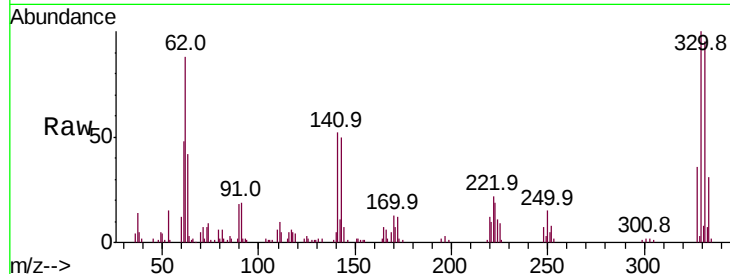
Tot Ion:248 Resp: 4694

Ion Ratio Lower Upper

248 100

250 206.6 78.0 117.0#

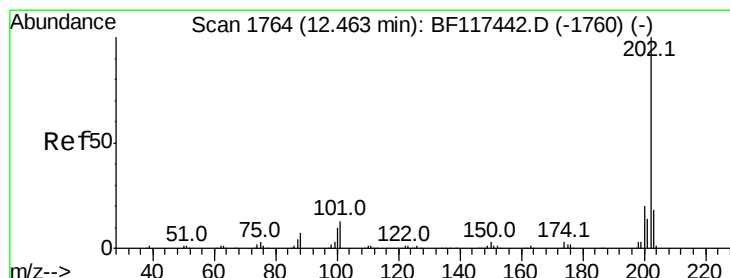
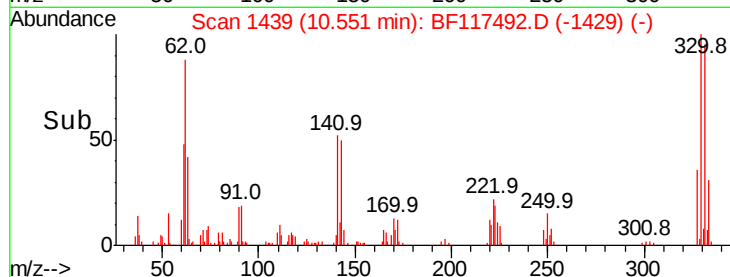
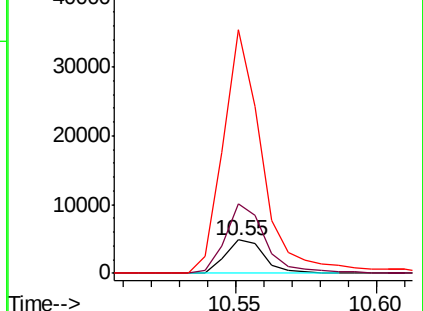
141 729.2 81.7 122.5#



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: 2.248 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

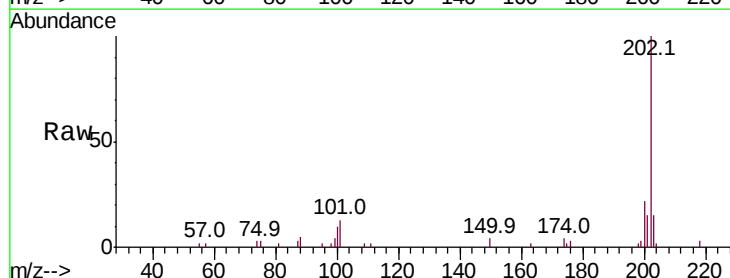
Tgt Ion:202 Resp: 19394

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.7

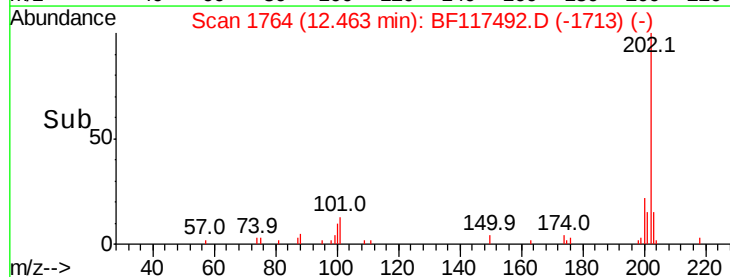
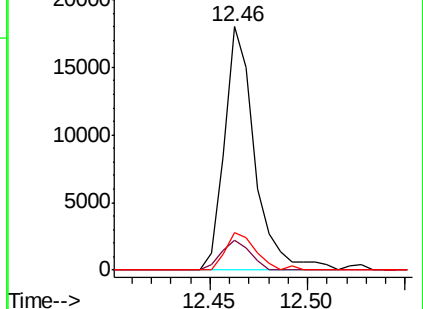
203 15.4 0.0 37.6

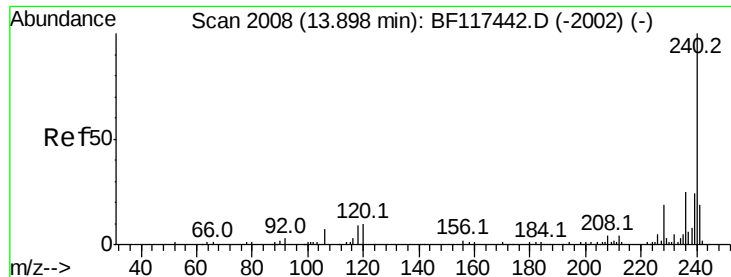


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

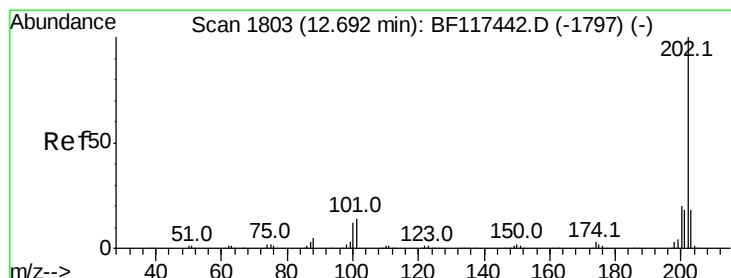
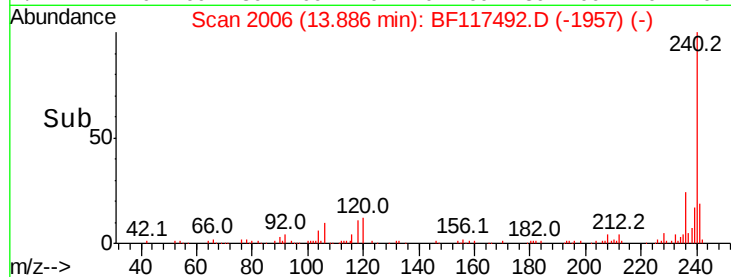
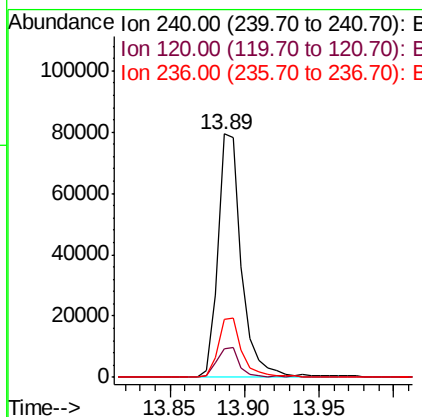
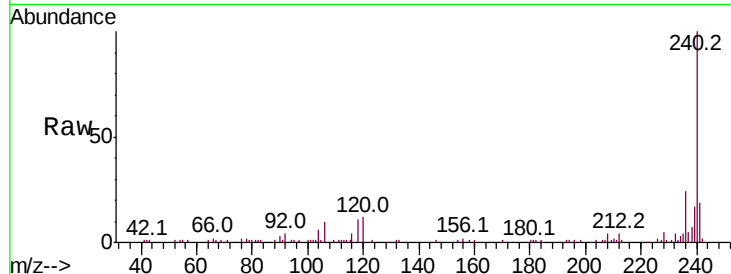




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

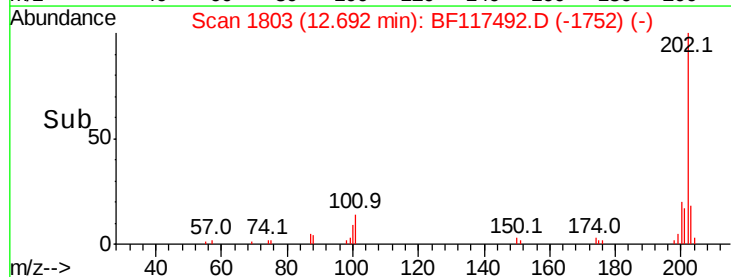
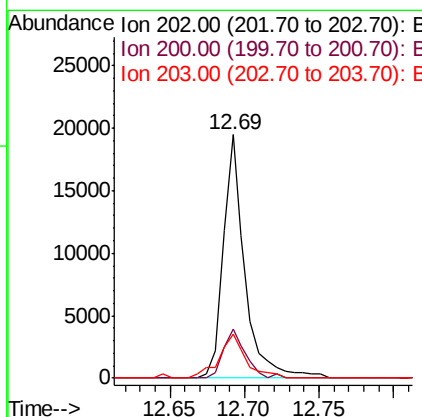
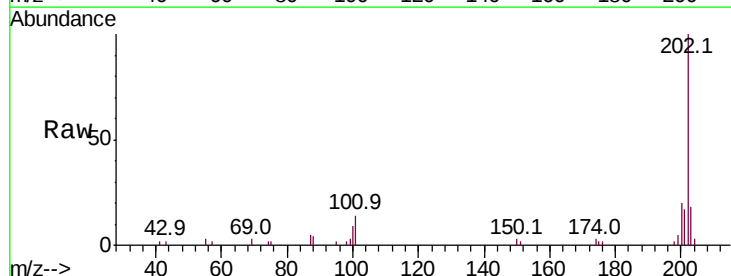
Instrument :
 BNA_F
 ClientSampled :

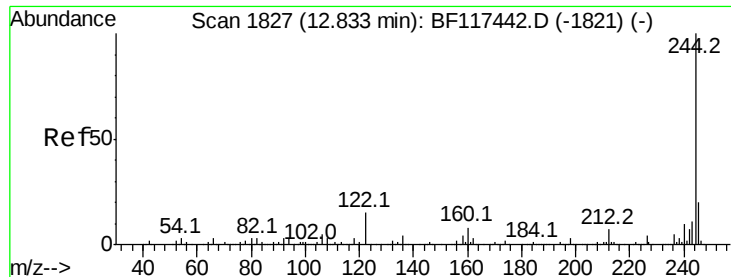
Tot Ion:240 Resp: 88681
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.4 12.6
 236 23.9 20.0 30.0



#78
 Pyrene
 Concen: 2.601 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: BF117492.D
 Acq: 23 Oct 2019 19:24

Tgt Ion:202 Resp: 19813
 Ion Ratio Lower Upper
 202 100
 200 20.3 16.2 24.2
 203 18.3 14.0 21.0





#79

Terphenyl-d14

Concen: 65.174 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

Instrument :

BNA_F

ClientSampleId :

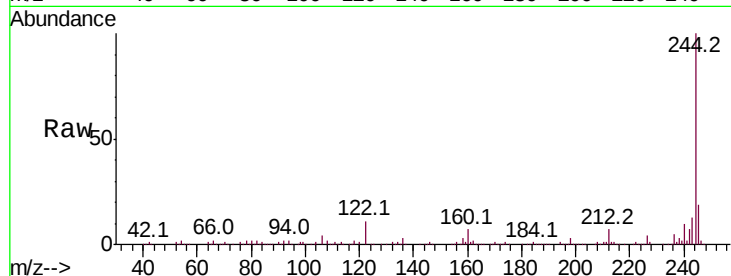
Tot Ion:244 Resp: 354342

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

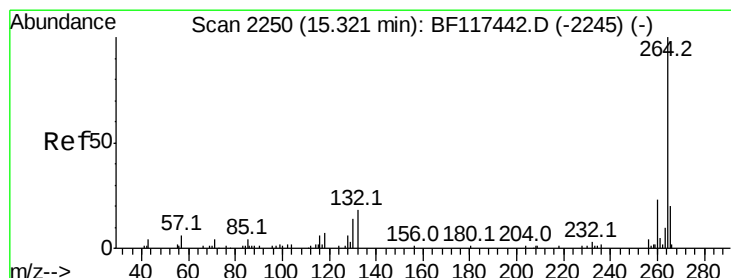
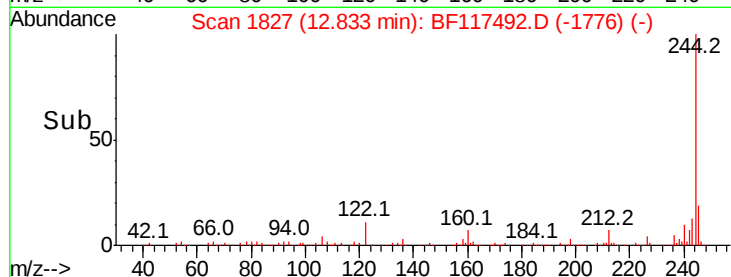
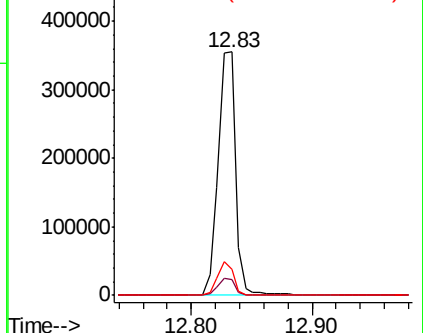
122 10.6 11.8 17.8#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117492.D

Acq: 23 Oct 2019 19:24

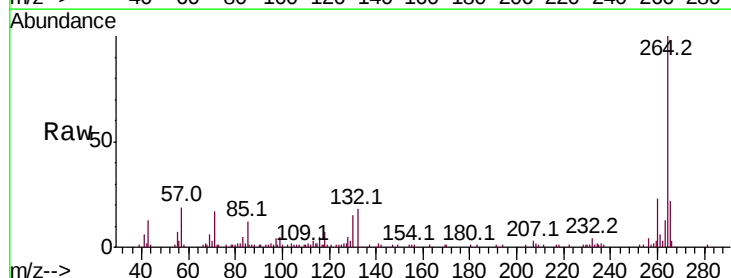
Tgt Ion:264 Resp: 96073

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

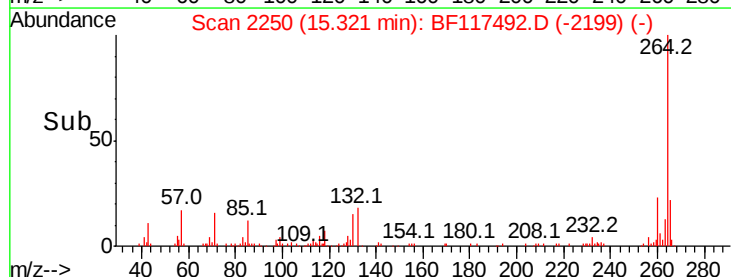
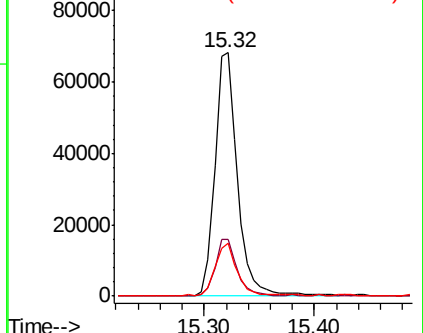
265 21.8 16.1 24.1

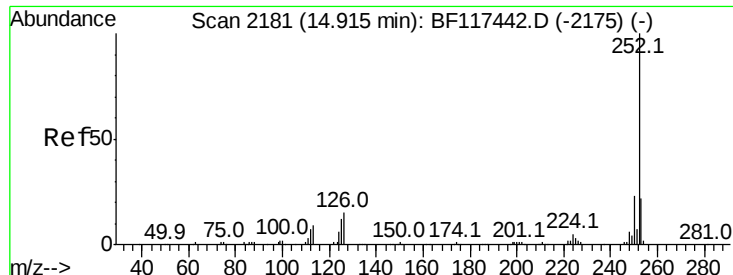


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

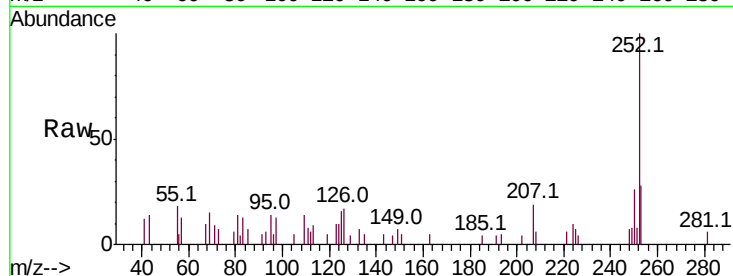




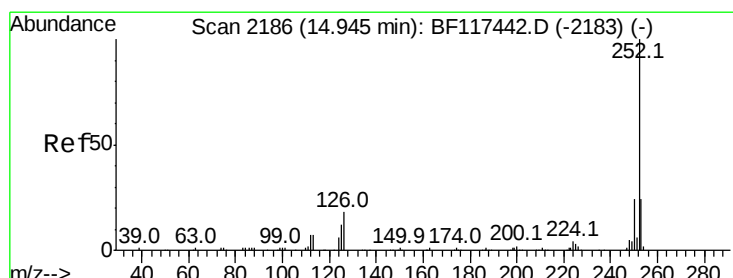
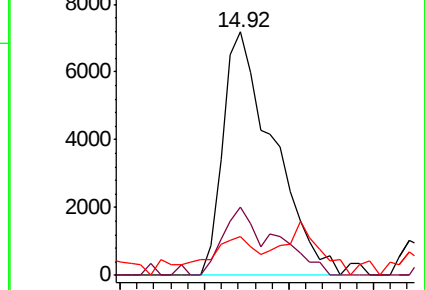
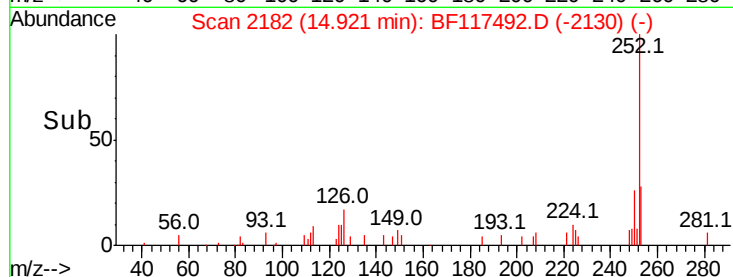
#88
Benzo(b)fluoranthene
Concen: 2.631 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 14929
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.6#
125 16.1 9.9 14.9#

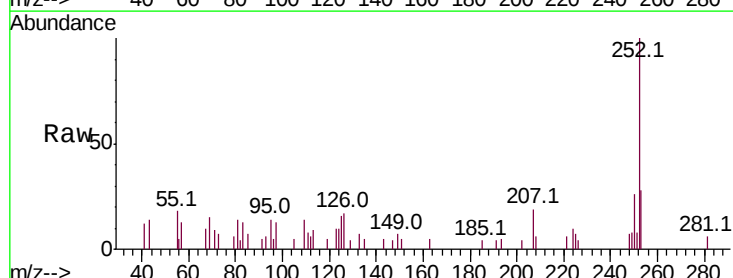


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.567 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117492.D
Acq: 23 Oct 2019 19:24

Tgt Ion:252 Resp: 14929
Ion Ratio Lower Upper
252 100
253 28.0 18.0 27.0#
125 16.1 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

