

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
 Data File : BF117499.D
 Acq On : 23 Oct 2019 22:30
 Operator : JU
 Sample : K5494-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 24 08:25:39 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	43238	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	178840	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	89370	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	138348	20.00	ng	0.00
76) Chrysene-d12	13.89	240	82766	20.00	ng	0.00
87) Perylene-d12	15.32	264	93678	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	265566	91.37	ng	0.00
7) Phenol-d6	6.38	99	368440	94.39	ng	0.00
23) Nitrobenzene-d5	7.30	82	231975	64.04	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	67828	87.71	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	368256	58.06	ng	0.00
79) Terphenyl-d14	12.83	244	271718	53.55	ng	0.00

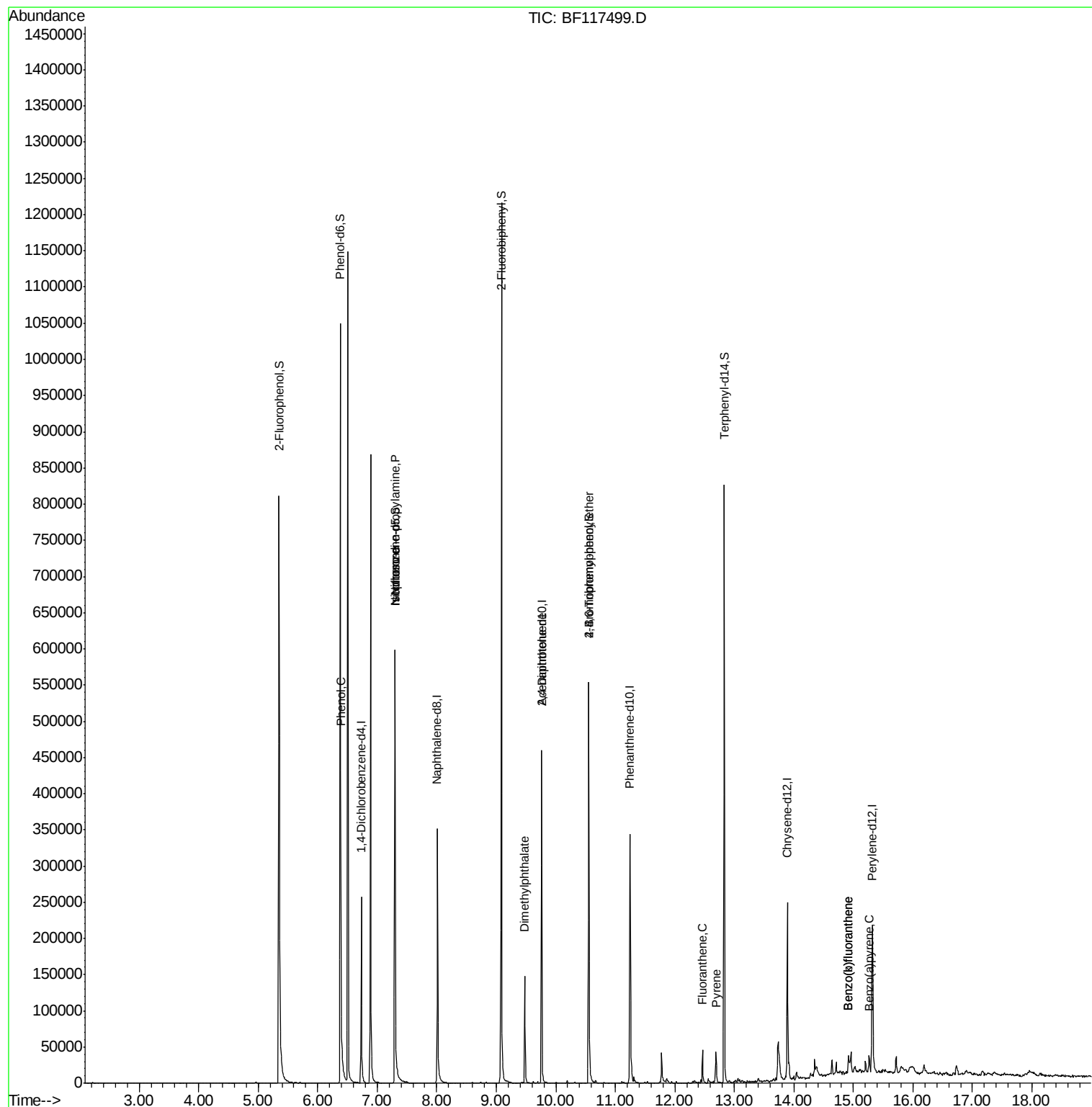
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	8746	2.195	ng	87
19) n-Nitroso-di-n-propylamine	7.30	70	29177	12.239	ng	# 77
25) Isophorone	7.30	82	231973	37.016	ng	# 65
50) Dimethylphthalate	9.48	163	57963	9.098	ng	100
57) 2,4-Dinitrotoluene	9.76	165	11139	6.302	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	4066	2.729	ng	# 1
75) Fluoranthene	12.46	202	21125	2.627	ng	97
77) Benzidine	12.83	184	3816	Below Cal		# 82
78) Pyrene	12.69	202	19290	2.713	ng	98
88) Benzo(b)fluoranthene	14.92	252	19375	3.502	ng	# 86
89) Benzo(k)fluoranthene	14.92	252	19375	3.417	ng	# 85
90) Benzo(a)pyrene	15.26	252	10315	2.051	ng	# 89

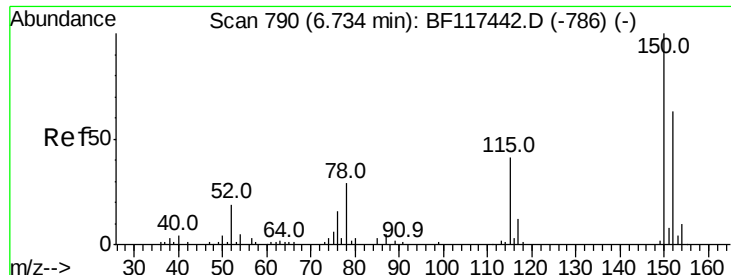
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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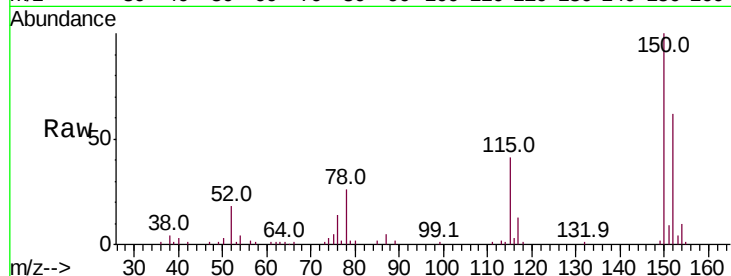


#1

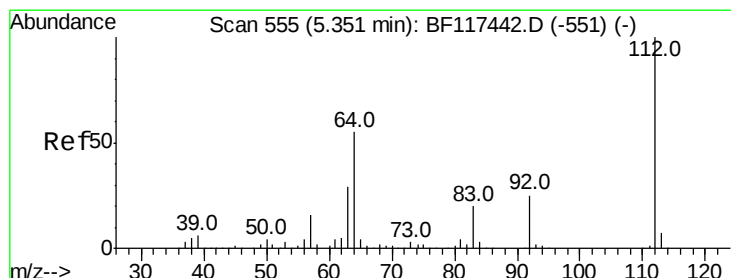
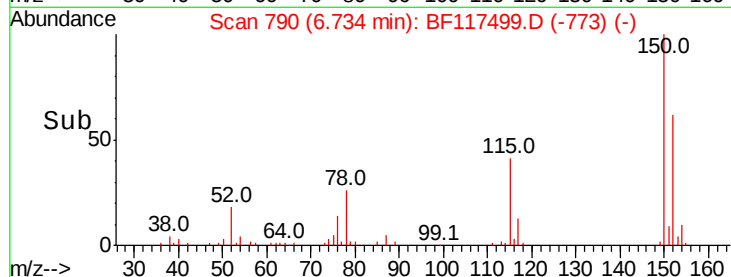
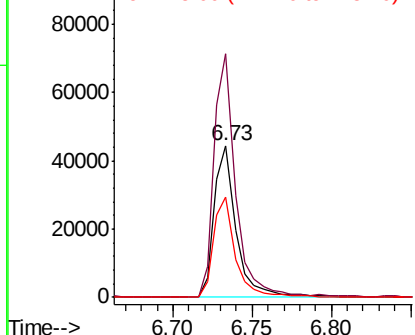
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 43238
Ion Ratio Lower Upper
152 100
150 160.3 126.8 190.2
115 66.3 51.6 77.4



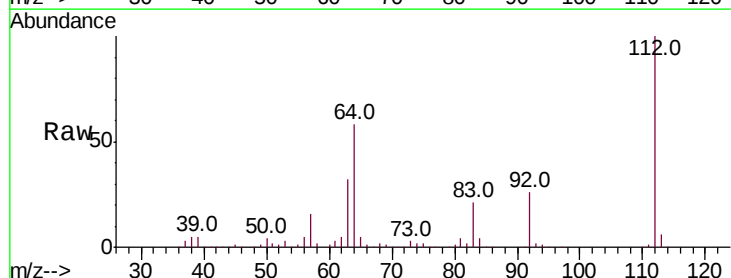
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



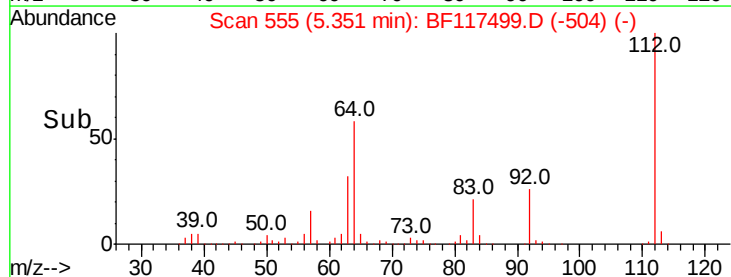
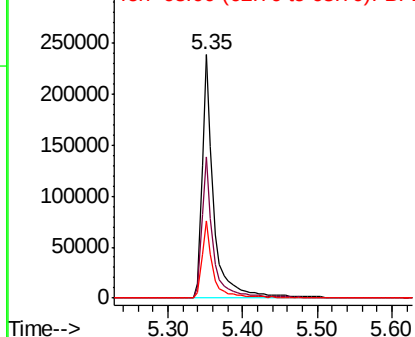
#5

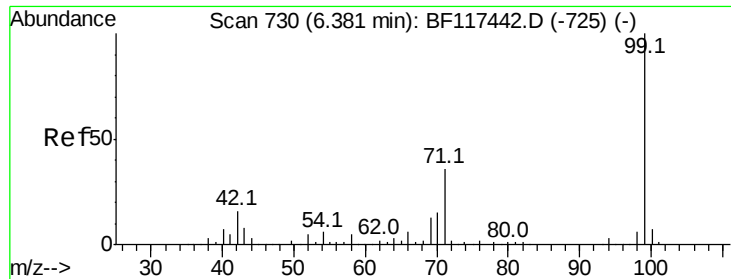
2-Fluorophenol
Concen: 91.374 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:112 Resp: 265566
Ion Ratio Lower Upper
112 100
64 57.8 44.1 66.1
63 31.7 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: 94.385 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

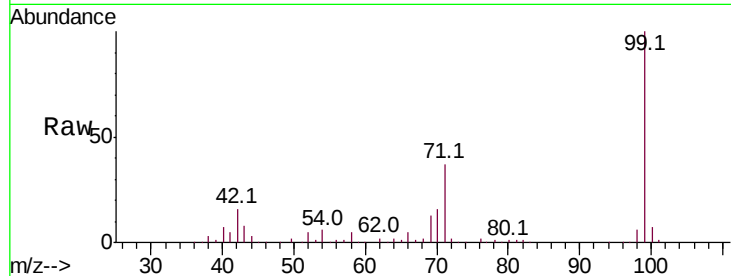
Lab File: BF117499.D

Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampled :

Tot Ion: 99 Resp: 368440

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.8	19.2
71	36.6	28.6	43.0

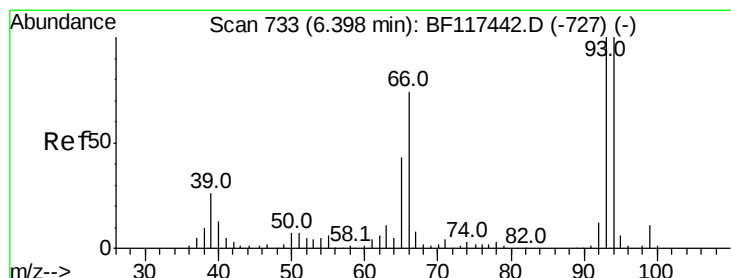
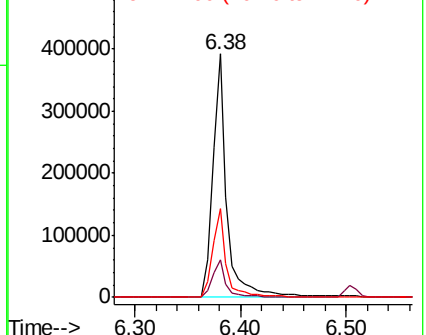
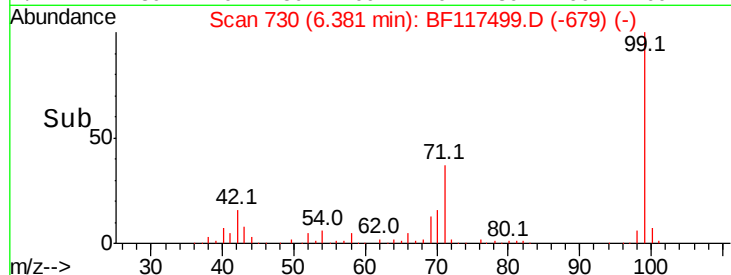


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.195 ng

RT: 6.39 min Scan# 732

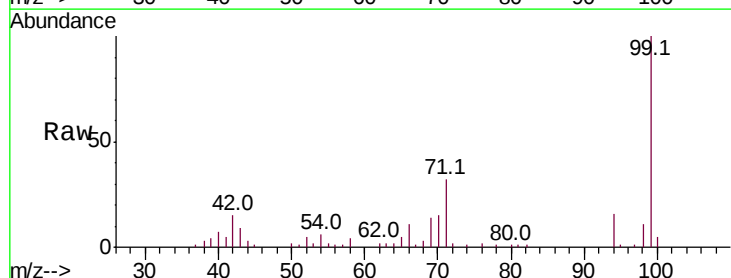
Delta R.T. -0.01 min

Lab File: BF117499.D

Acq: 23 Oct 2019 22:30

Tgt Ion: 94 Resp: 8746

Ion	Ratio	Lower	Upper
94	100		
65	32.1	23.4	63.4
66	65.4	54.7	94.7

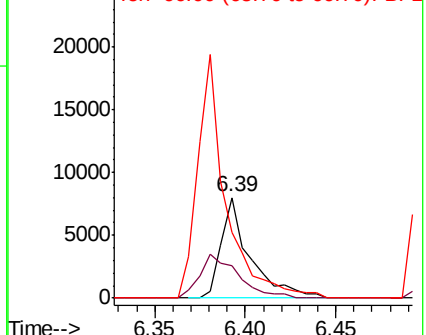
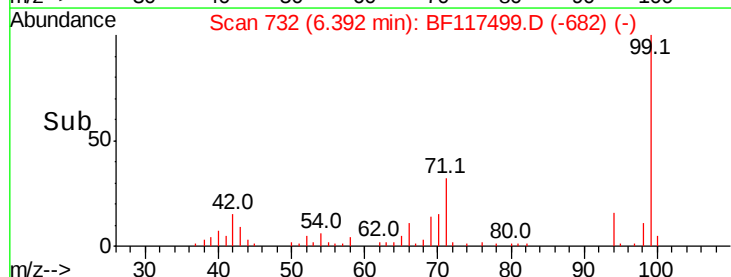


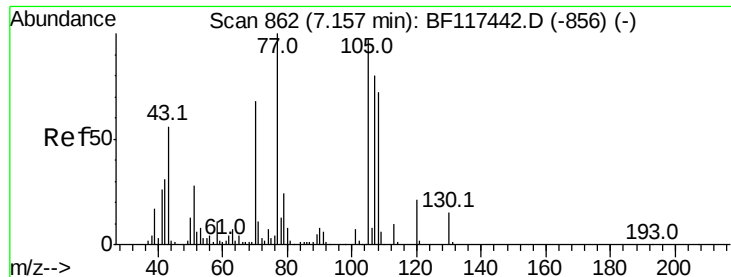
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

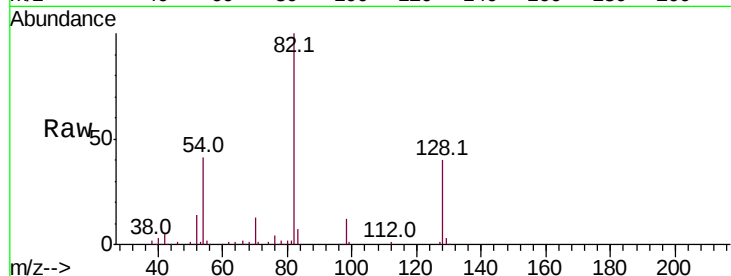




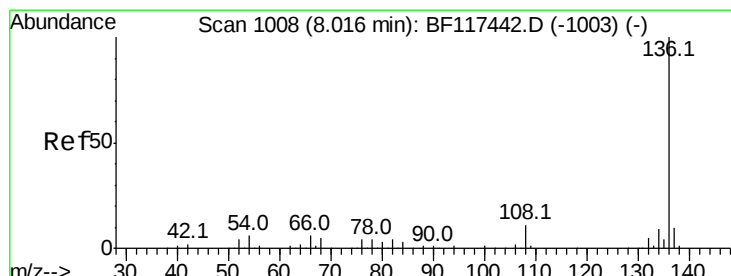
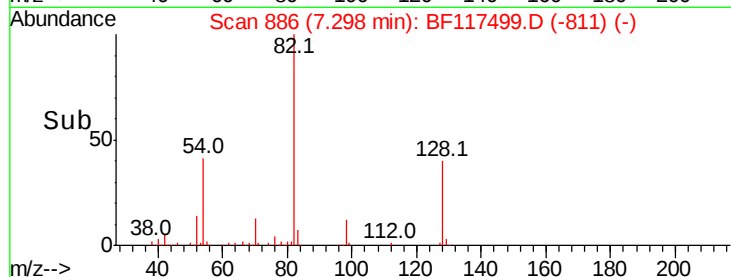
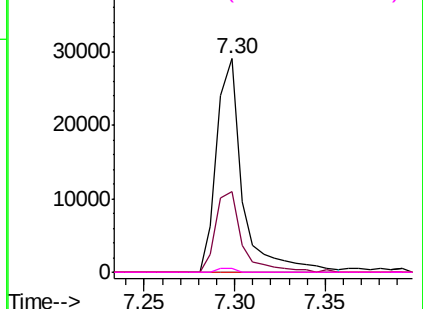
#19
n-Nitroso-di-n-propylamine
Concen: 12.239 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 29177
Ion Ratio Lower Upper
70 100
42 37.6 36.7 55.1
101 0.0 8.3 12.5#
130 1.9 18.1 27.1#

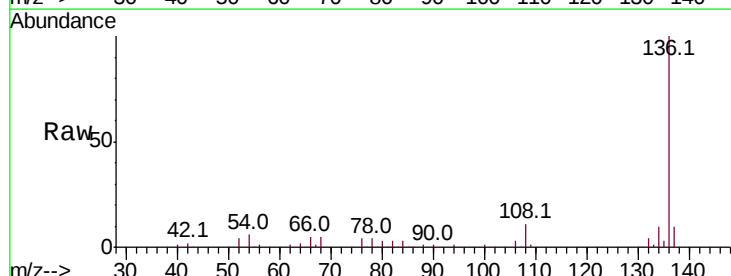


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

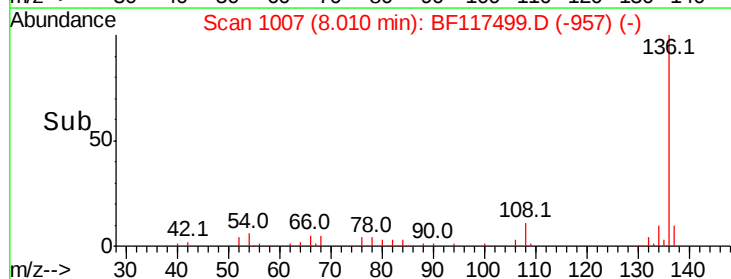
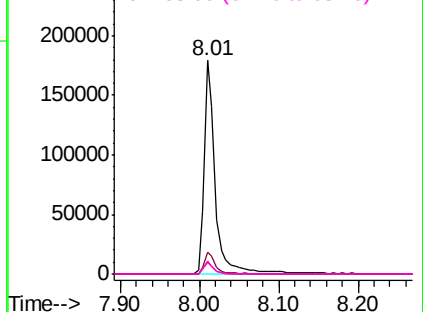


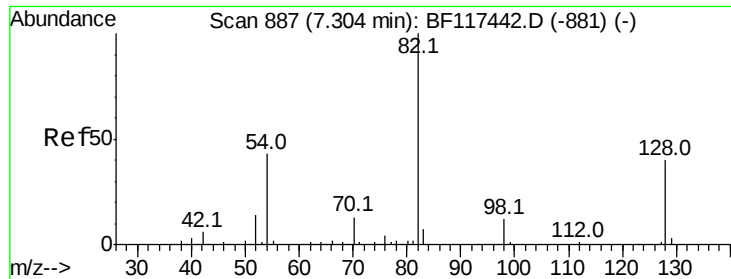
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:136 Resp: 178840
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.4
54 6.1 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

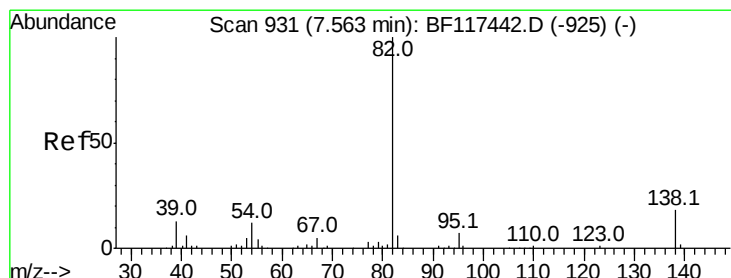
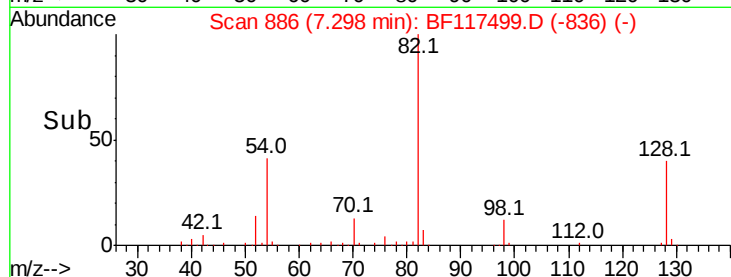
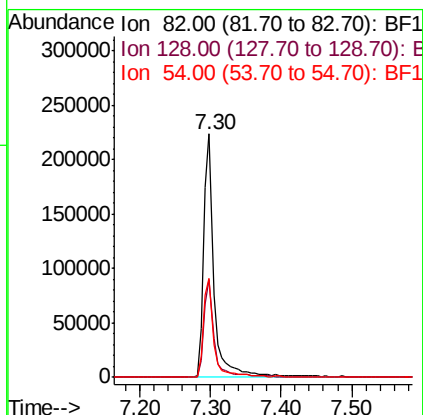
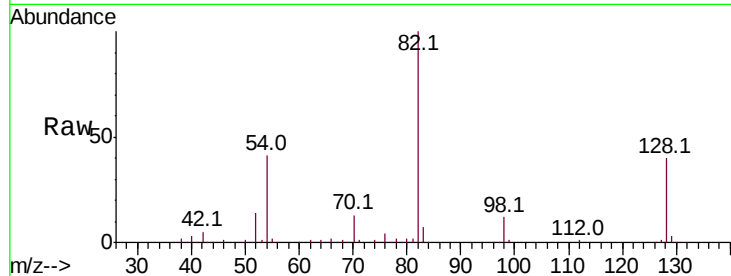




#23
 Nitrobenzene-d5
 Concen: 64.036 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

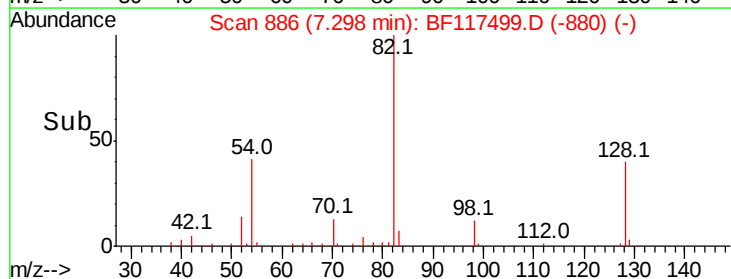
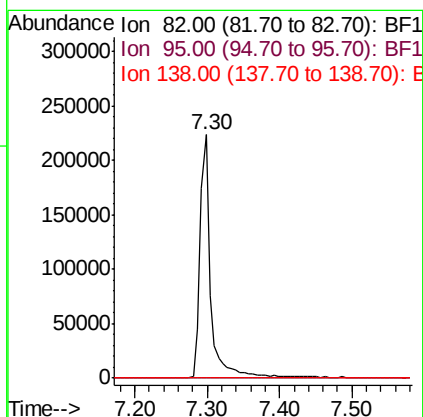
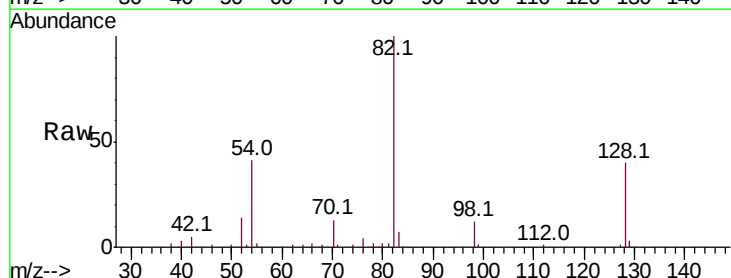
Instrument :
 BNA_F
 ClientSampled :

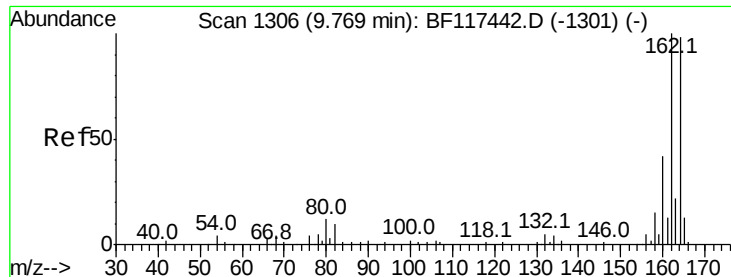
Tot Ion	82	Resp	231975
Ion Ratio	Lower	Upper	
82	100		
128	40.4	32.2	48.2
54	40.8	34.2	51.2



#25
 Isophorone
 Concen: 37.016 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Tgt Ion	82	Resp	231973
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

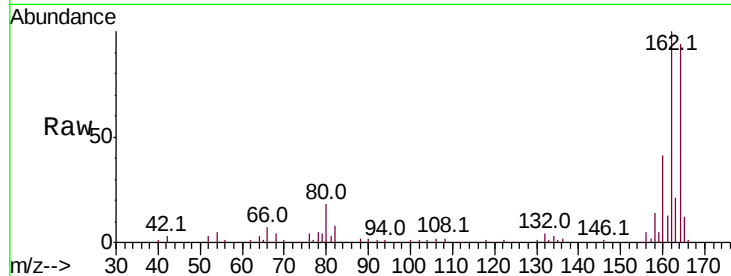




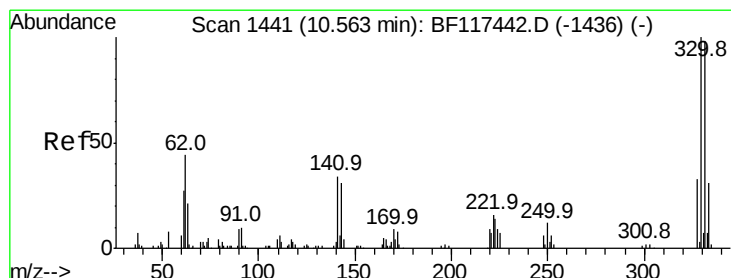
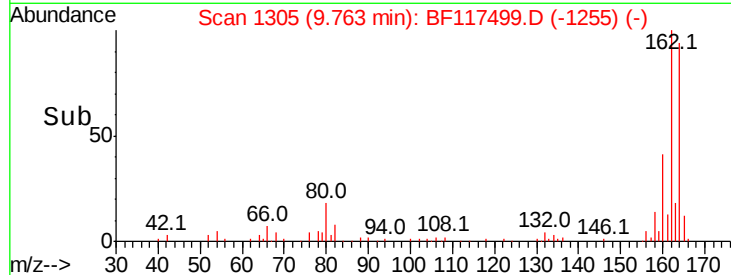
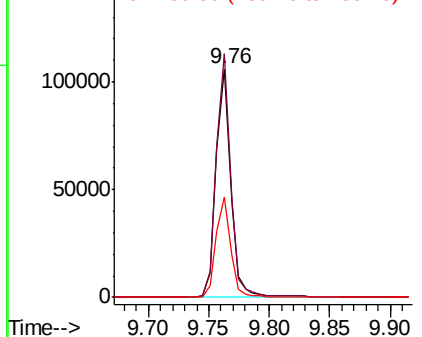
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 89370
Ion Ratio Lower Upper
164 100
162 106.4 81.8 122.6
160 43.6 34.4 51.6

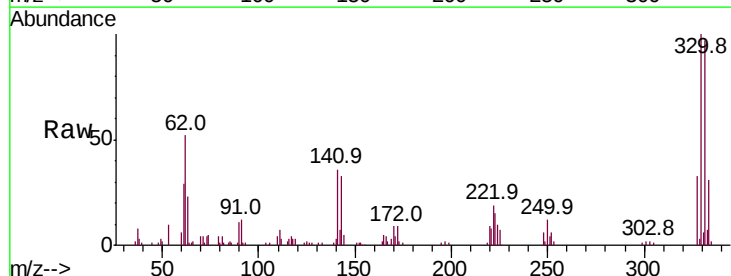


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

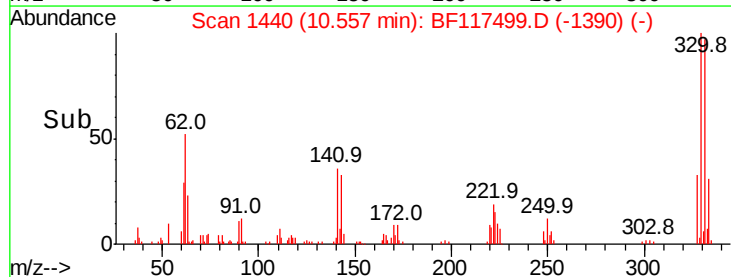
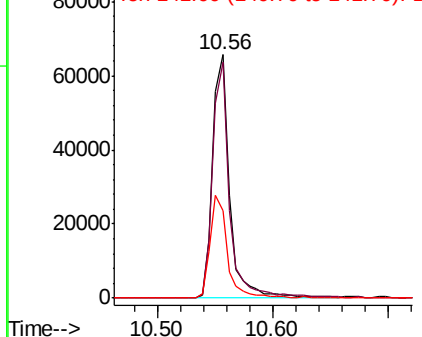


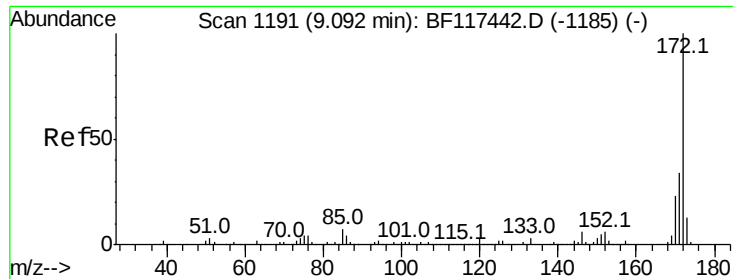
#42
2,4,6-Tribromophenol
Concen: 87.715 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:330 Resp: 67828
Ion Ratio Lower Upper
330 100
332 95.7 78.5 117.7
141 42.6 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

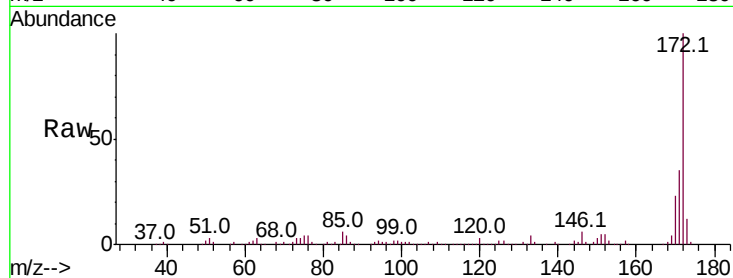




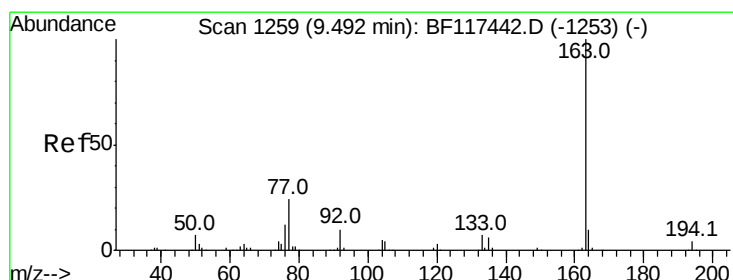
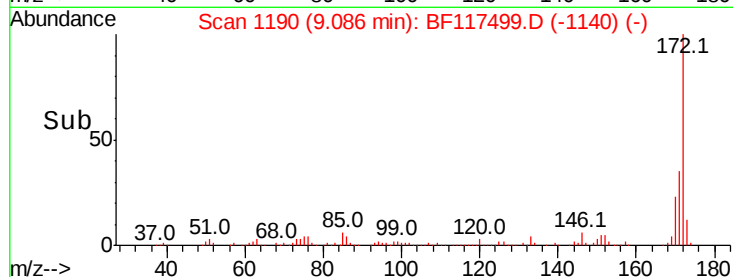
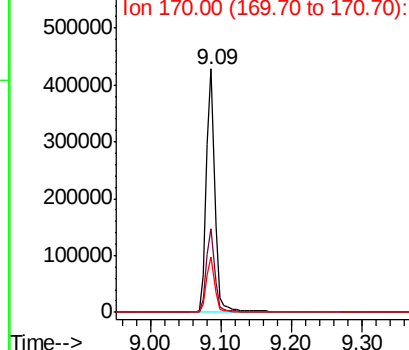
#45
2-Fluorobiphenyl
Concen: 58.058 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 368256
Ion Ratio Lower Upper
172 100
171 34.5 27.5 41.3
170 22.5 18.6 27.8

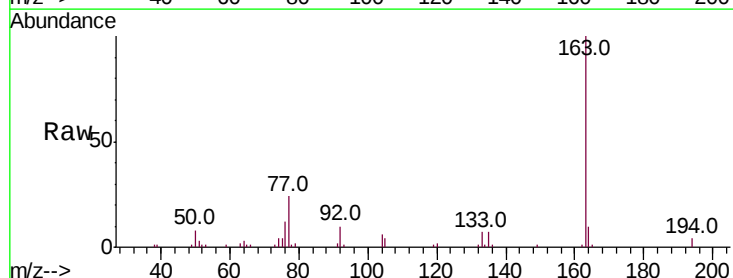


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

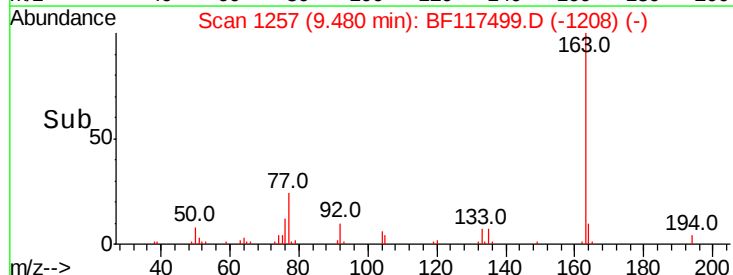
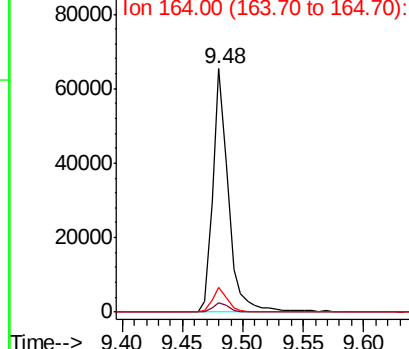


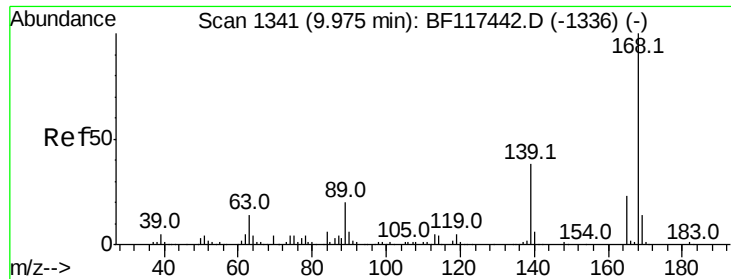
#50
Dimethylphthalate
Concen: 9.098 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:163 Resp: 57963
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.4 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

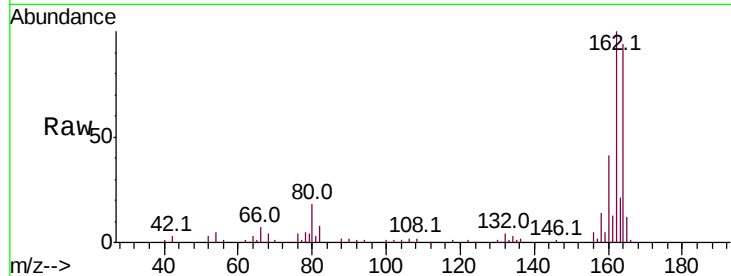




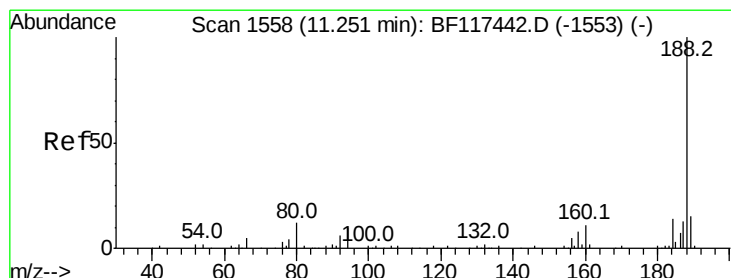
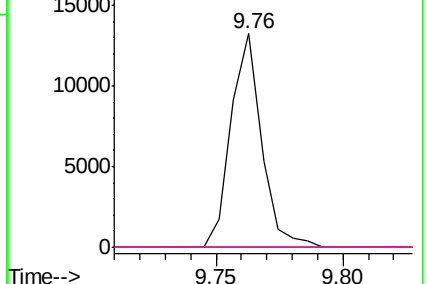
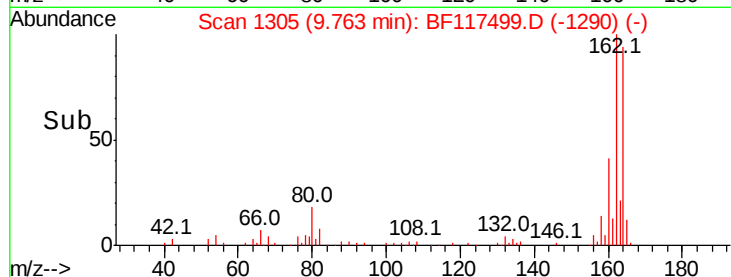
#57
 2,4-Dinitrotoluene
 Concen: 6.302 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11139
 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#

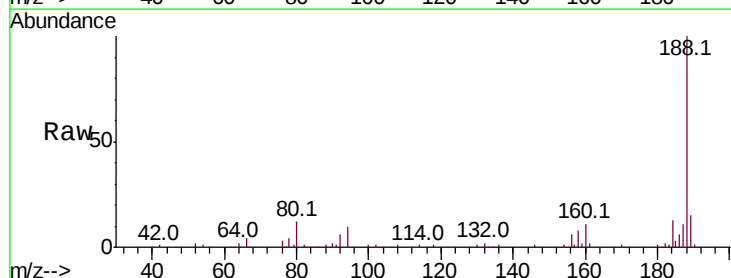


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

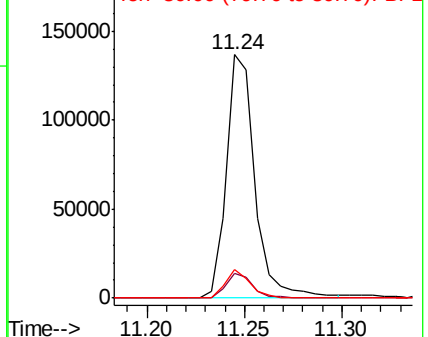
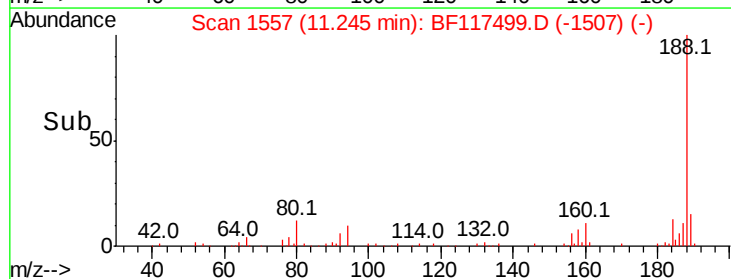


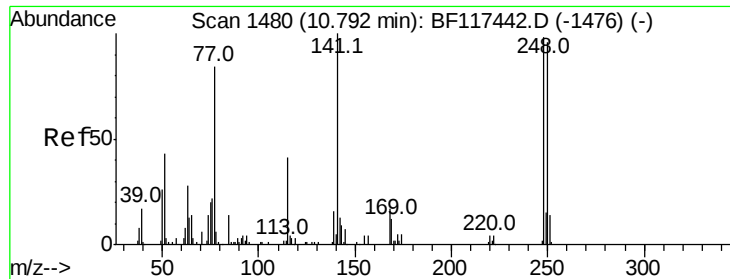
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Tgt Ion:188 Resp: 138348
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.0 12.0
 80 11.7 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

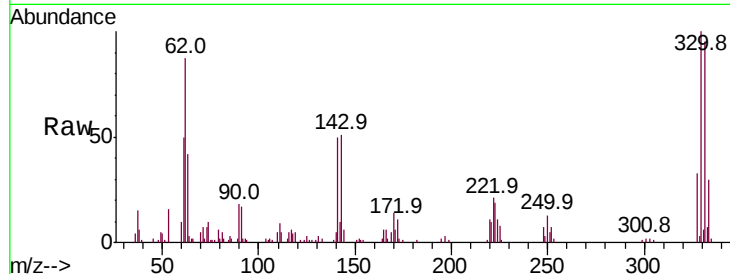




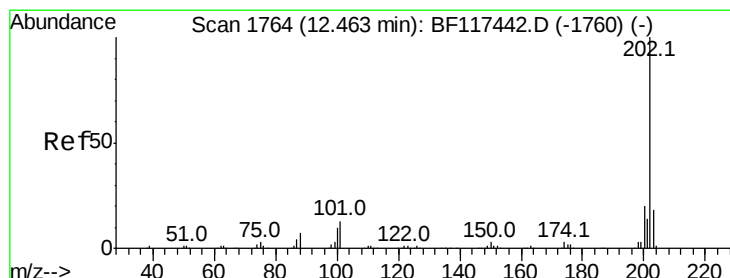
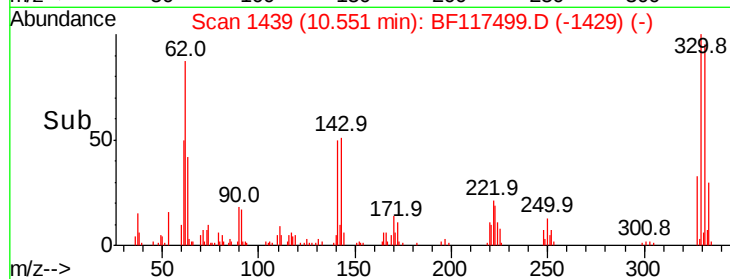
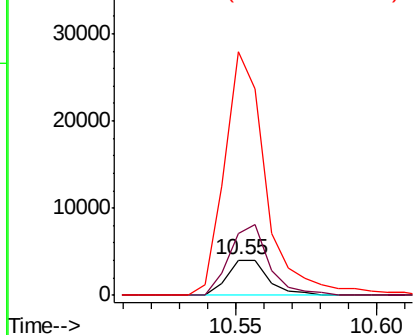
#67
 4-Bromophenyl-phenylether
 Concen: 2.729 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 4066
 Ion Ratio Lower Upper
 248 100
 250 176.6 78.0 117.0#
 141 690.5 81.7 122.5#

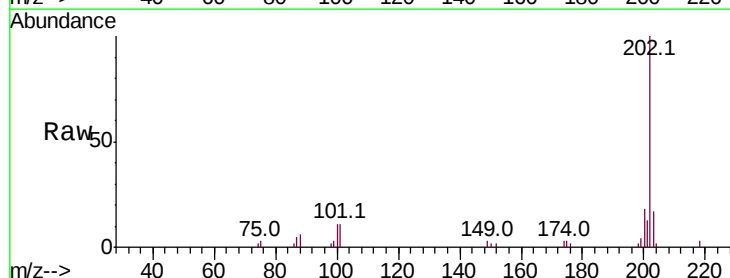


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

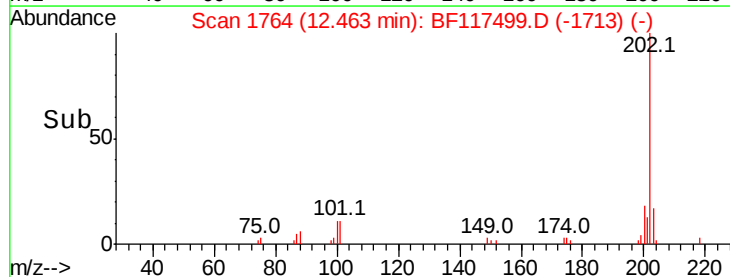
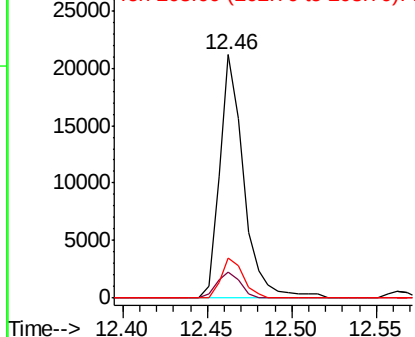


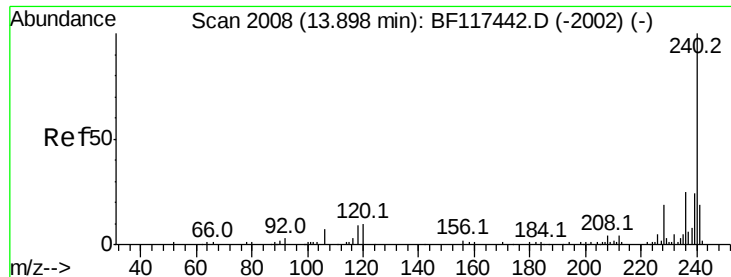
#75
 Fluoranthene
 Concen: 2.627 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Tgt Ion:202 Resp: 21125
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 32.7
 203 16.6 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

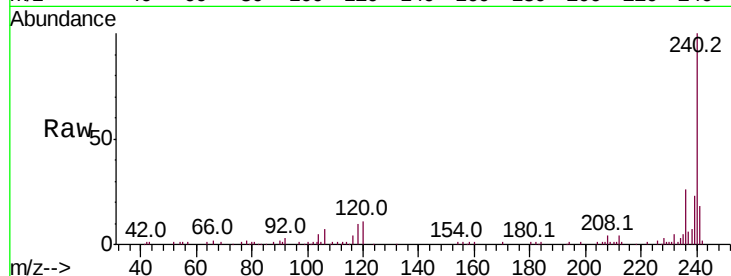




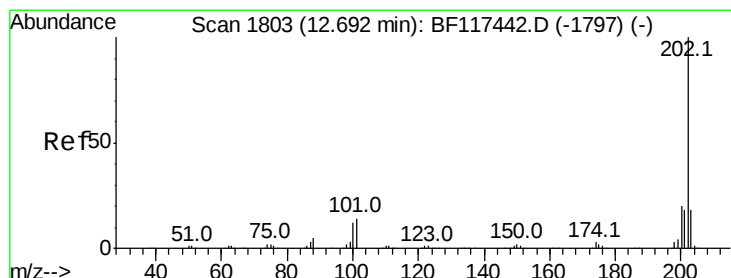
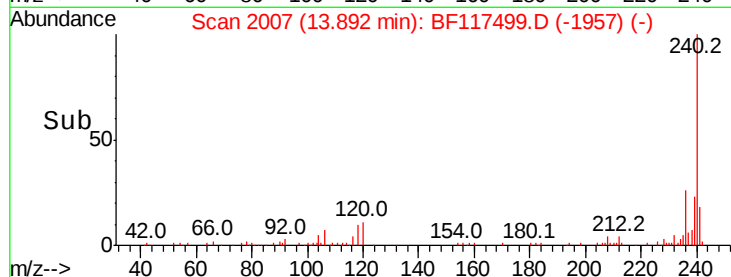
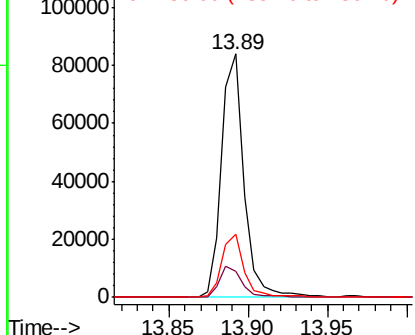
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 82766
Ion Ratio Lower Upper
240 100
120 10.6 8.4 12.6
236 25.7 20.0 30.0

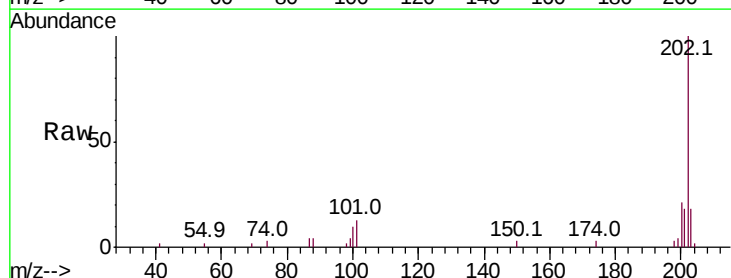


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

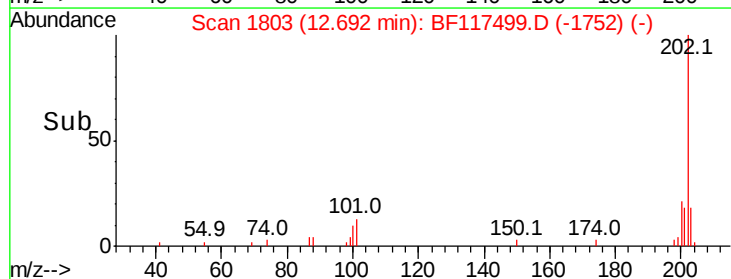
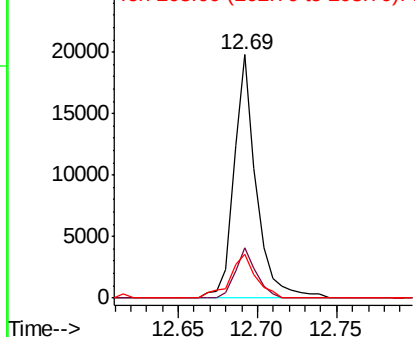


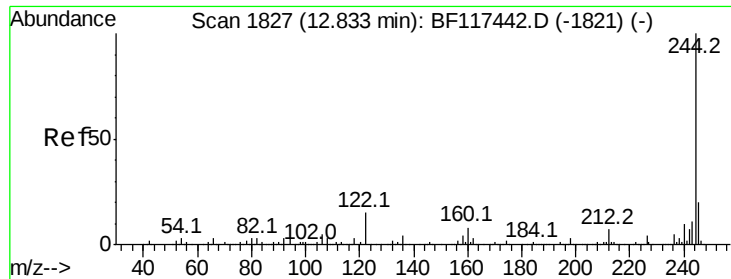
#78
Pyrene
Concen: 2.713 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:202 Resp: 19290
Ion Ratio Lower Upper
202 100
200 20.9 16.2 24.2
203 18.3 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: 53.549 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117499.D

Acq: 23 Oct 2019 22:30

Instrument :

BNA_F

ClientSampleId :

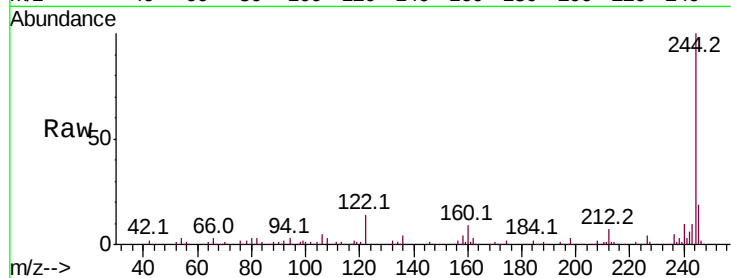
Tot Ion:244 Resp: 271718

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

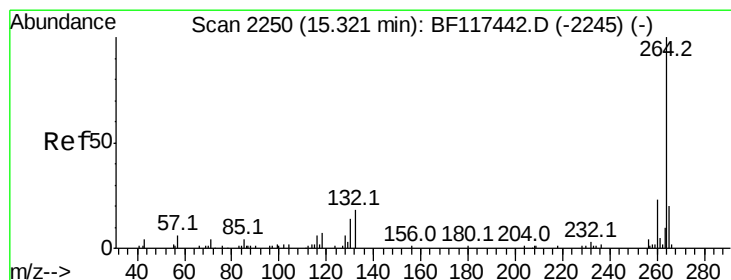
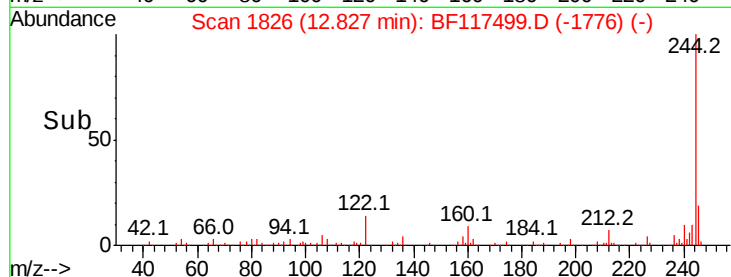
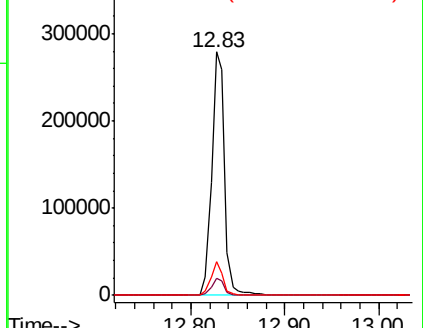
122 14.0 11.8 17.8



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: BF117499.D

Acq: 23 Oct 2019 22:30

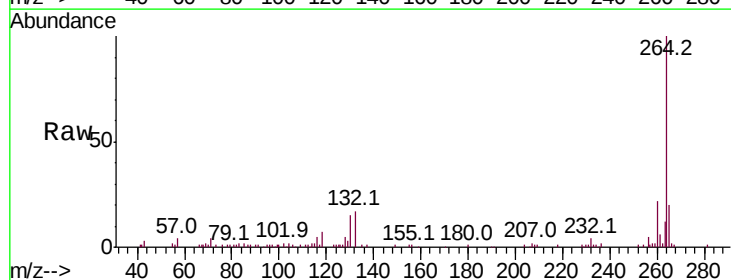
Tgt Ion:264 Resp: 93678

Ion Ratio Lower Upper

264 100

260 21.6 18.4 27.6

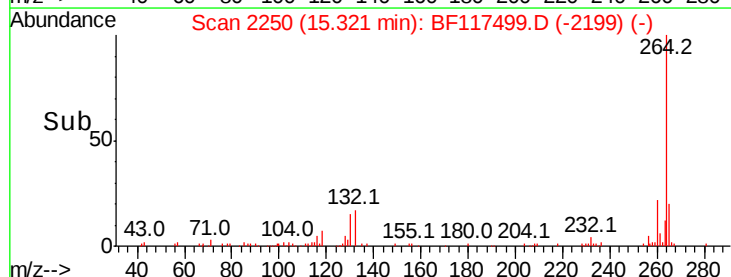
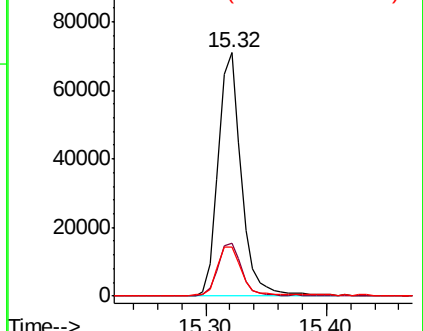
265 19.9 16.1 24.1

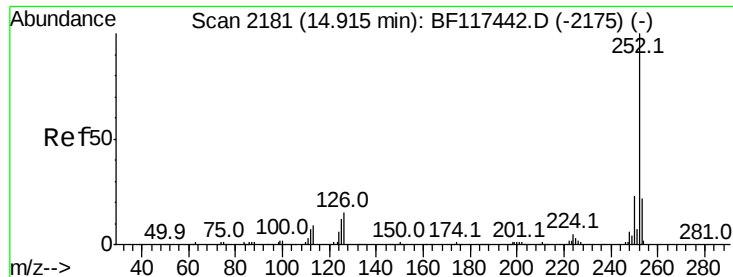


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

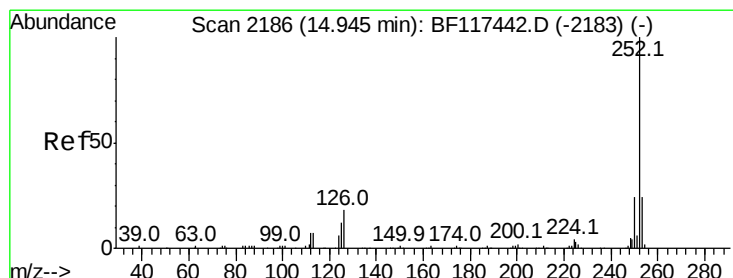
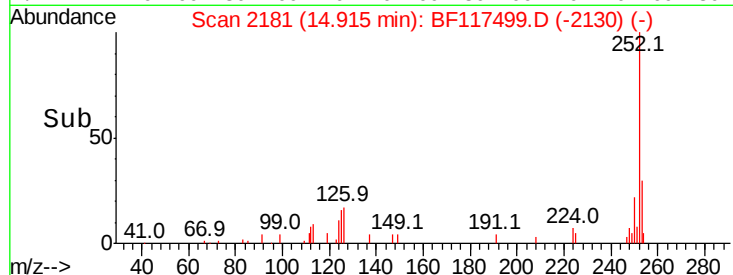
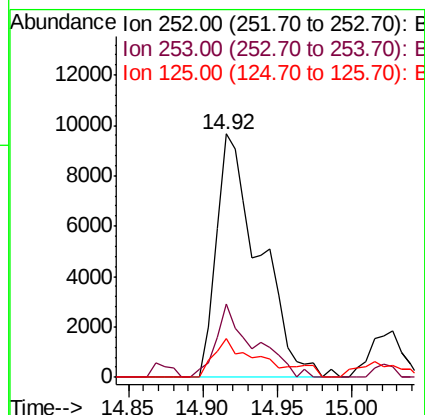
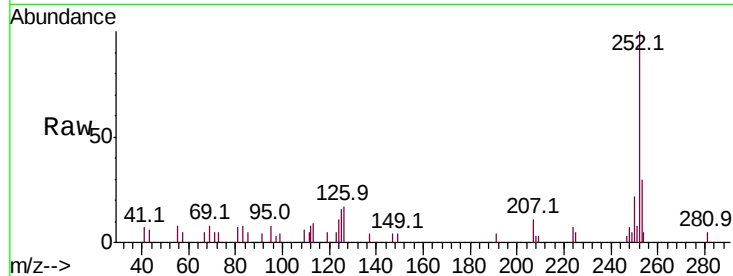




#88
Benzo(b)fluoranthene
Concen: 3.502 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

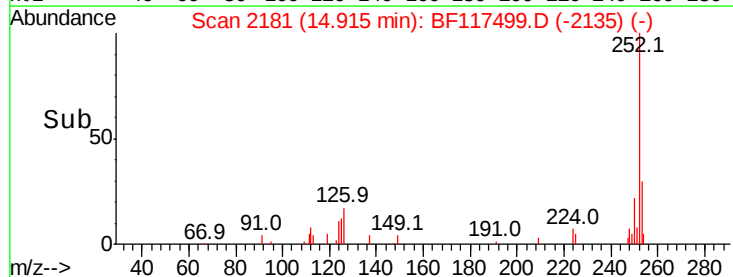
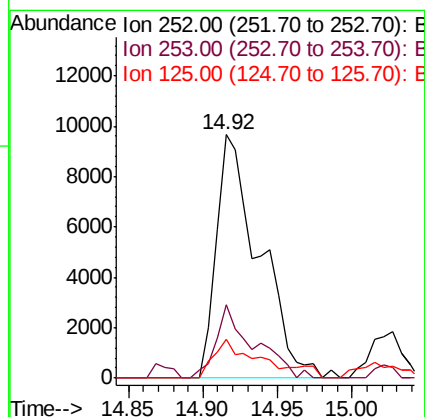
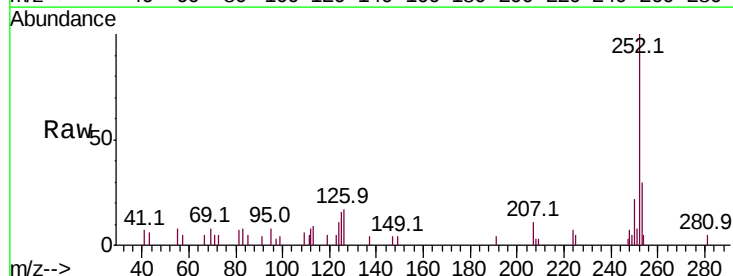
Instrument :
BNA_F
ClientSampleId :

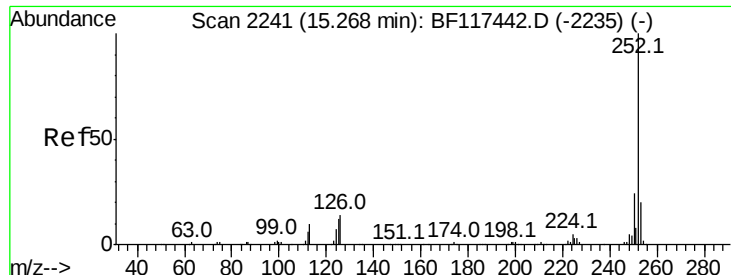
Tot Ion:252 Resp: 19375
Ion Ratio Lower Upper
252 100
253 30.1 17.8 26.6#
125 15.8 9.9 14.9#



#89
Benzo(k)fluoranthene
Concen: 3.417 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF117499.D
Acq: 23 Oct 2019 22:30

Tgt Ion:252 Resp: 19375
Ion Ratio Lower Upper
252 100
253 30.1 18.0 27.0#
125 15.8 8.9 13.3#





#90
 Benzo(a)pyrene
 Concen: 2.051 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF117499.D
 Acq: 23 Oct 2019 22:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	18.6	9.2	13.8

