

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117565.D
 Acq On : 28 Oct 2019 16:58
 Operator : JU
 Sample : K5501-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 14:05:47 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	37598	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	148756	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76895	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	113350	20.00	ng	0.00
76) Chrysene-d12	13.89	240	68792	20.00	ng	0.00
87) Perylene-d12	15.32	264	78910	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	195660	77.42	ng	0.00
7) Phenol-d6	6.38	99	273015	80.43	ng	0.00
23) Nitrobenzene-d5	7.29	82	168074	55.78	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	45279	68.05	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	285791	52.37	ng	-0.01
79) Terphenyl-d14	12.83	244	198511	47.07	ng	0.00

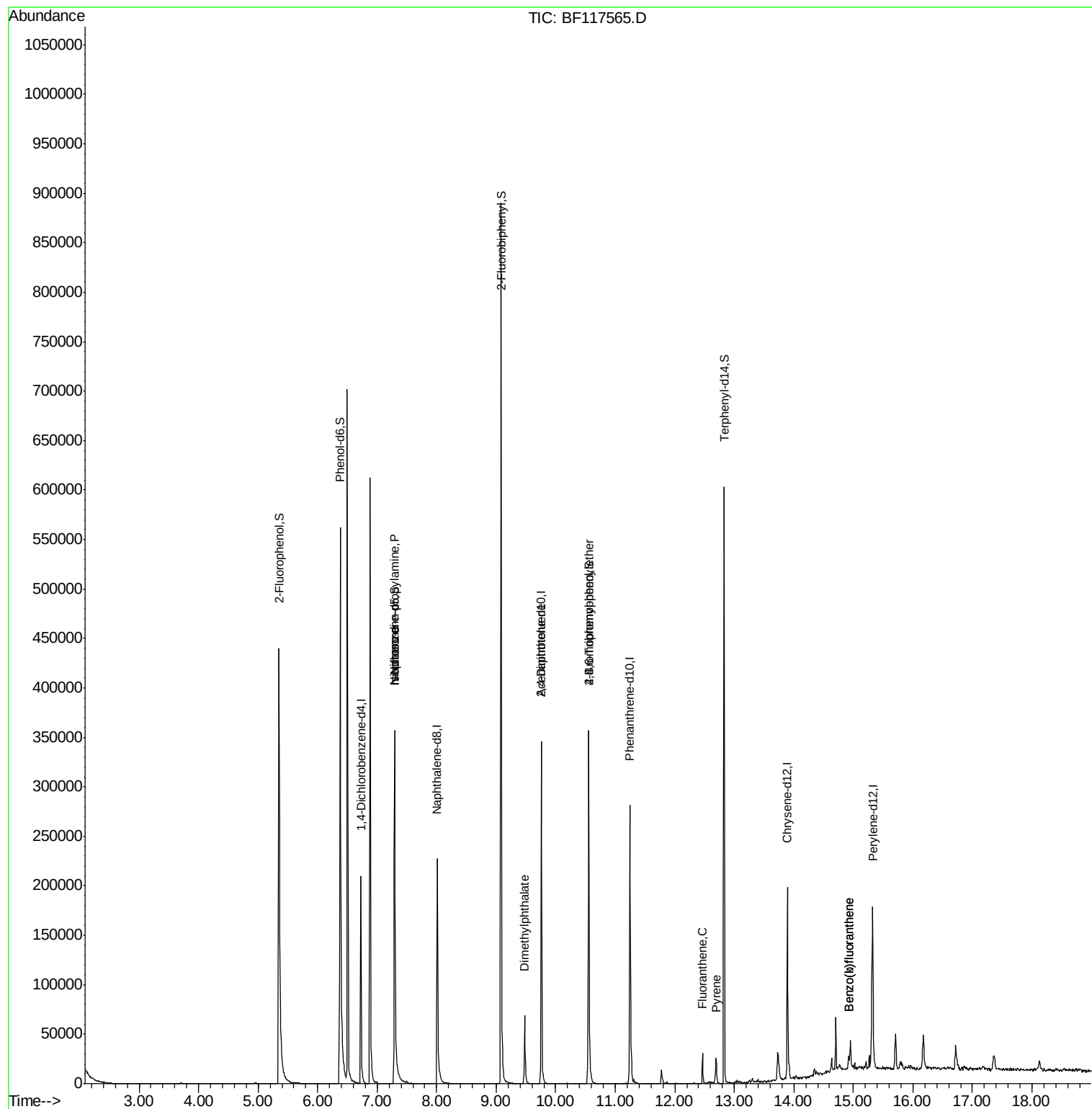
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	4789	Below Cal		# 81
19) n-Nitroso-di-n-propylamine	7.29	70	21707	10.471	ng	# 79
25) Isophorone	7.29	82	168073	32.243	ng	# 65
50) Dimethylphthalate	9.48	163	37008	6.751	ng	# 99
57) 2,4-Dinitrotoluene	9.76	165	9125	6.000	ng	# 12
67) 4-Bromophenyl-phenylether	10.55	248	2826	2.315	ng	# 1
75) Fluoranthene	12.46	202	15562	2.362	ng	# 99
77) Benzidine	12.83	184	2555	Below Cal		# 75
78) Pyrene	12.69	202	14041	2.376	ng	# 99
88) Benzo(b)fluoranthene	14.92	252	11339	2.433	ng	# 92
89) Benzo(k)fluoranthene	14.92	252	11339	2.374	ng	# 92

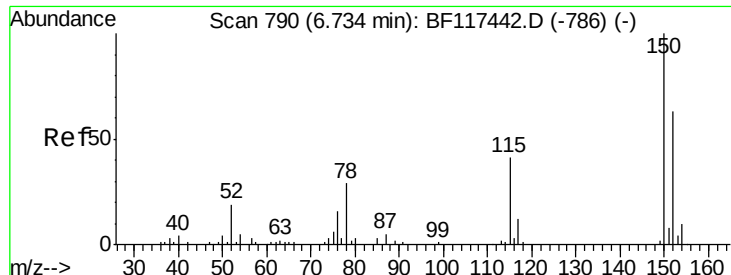
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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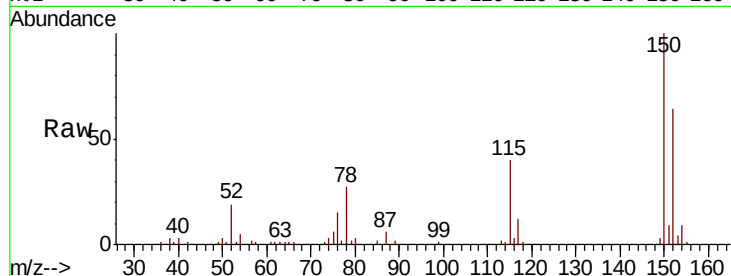


#1

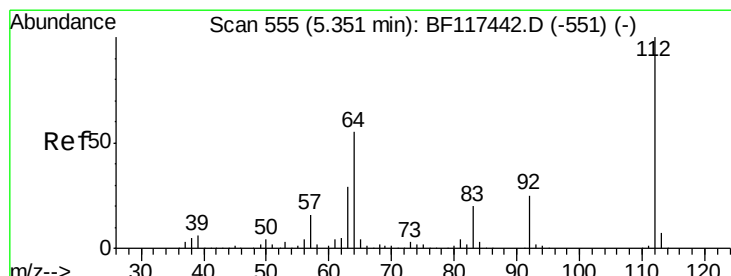
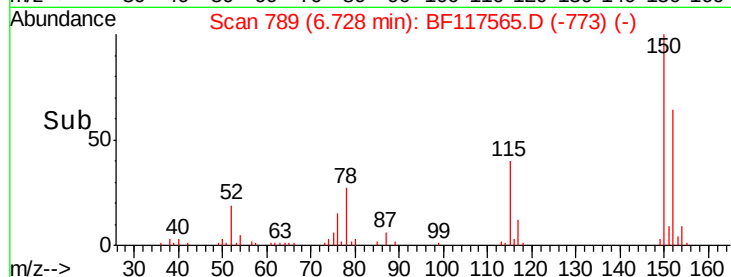
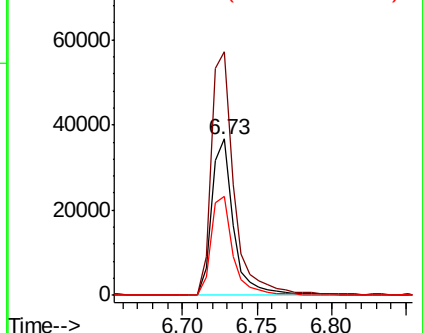
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 37598
Ion Ratio Lower Upper
152 100
150 156.1 126.8 190.2
115 63.1 51.6 77.4



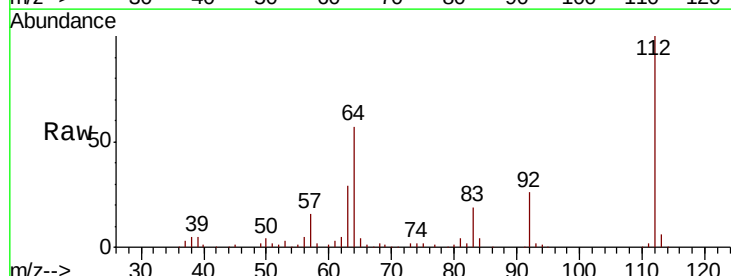
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



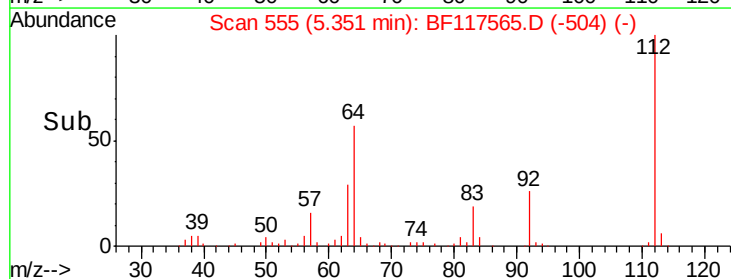
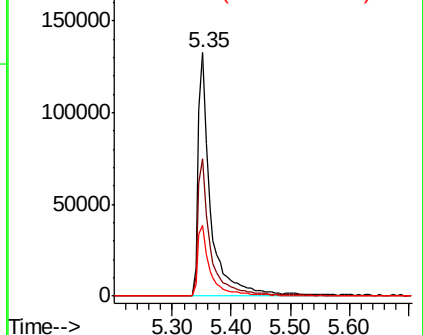
#5

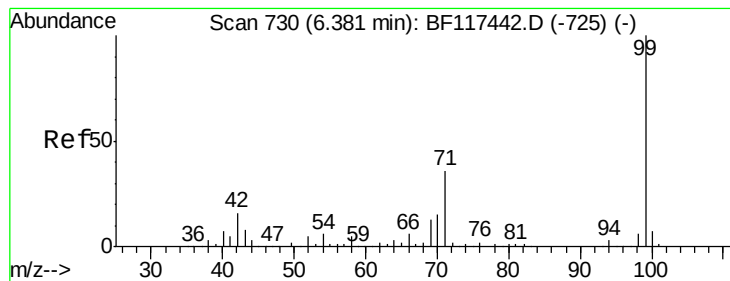
2-Fluorophenol
Concen: 77.420 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

Tgt Ion:112 Resp: 195660
Ion Ratio Lower Upper
112 100
64 56.6 44.1 66.1
63 29.2 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: 80.431 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Instrument :

BNA_E

ClientSampled :

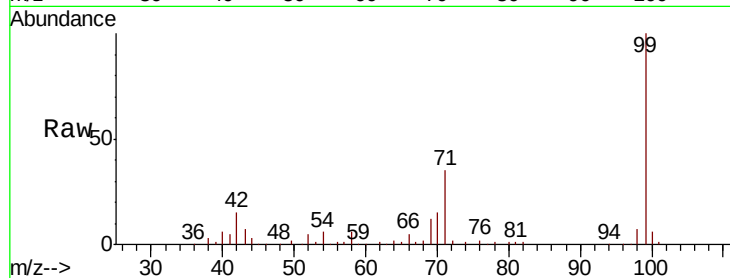
Tot Ion: 99 Resp: 273015

Ion Ratio Lower Upper

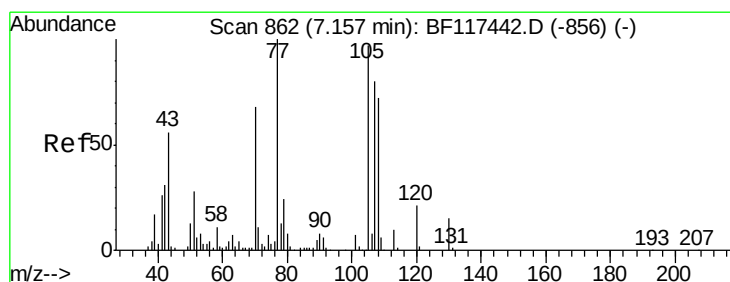
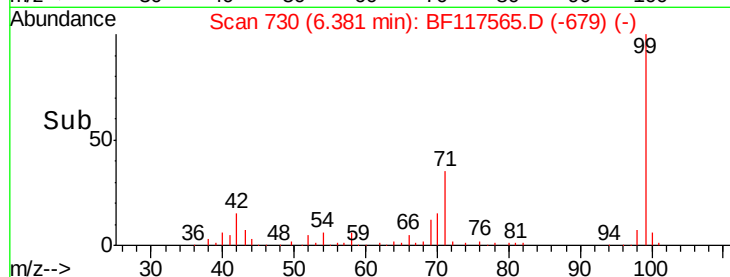
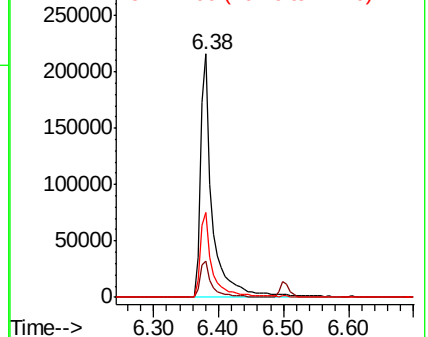
99 100

42 14.8 12.8 19.2

71 35.0 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: 10.471 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Tgt Ion: 70 Resp: 21707

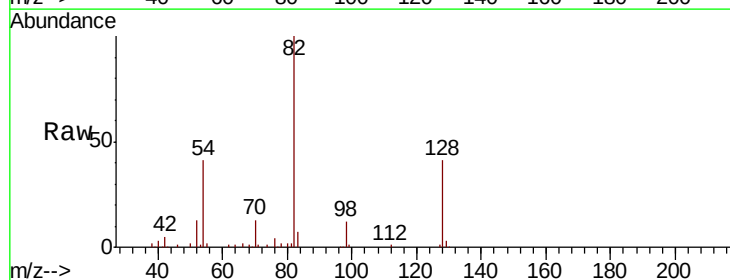
Ion Ratio Lower Upper

70 100

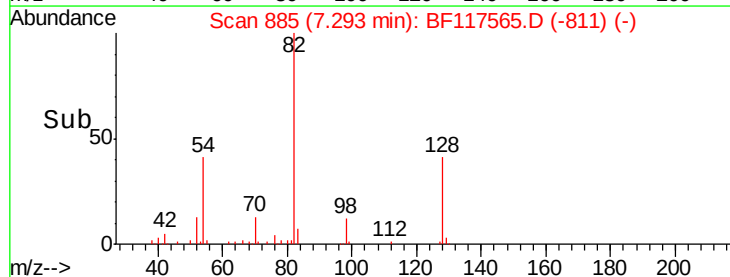
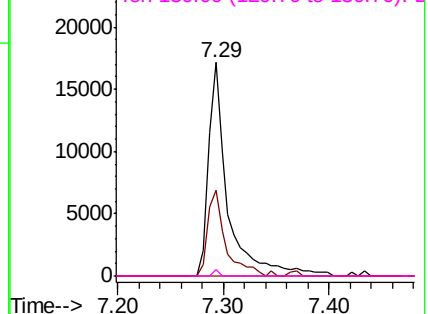
42 40.1 36.7 55.1

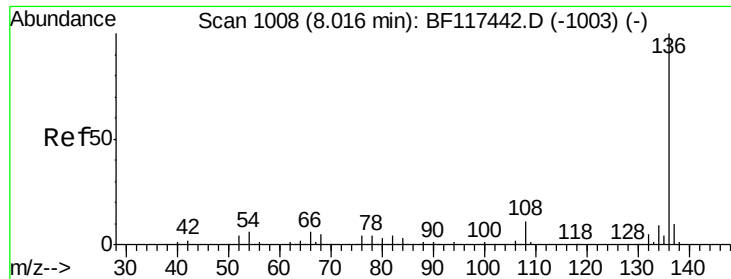
101 0.0 8.3 12.5#

130 2.8 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

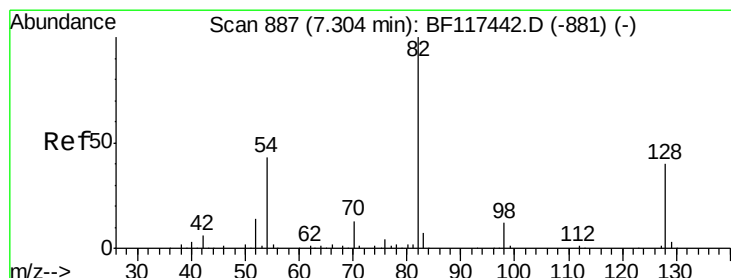
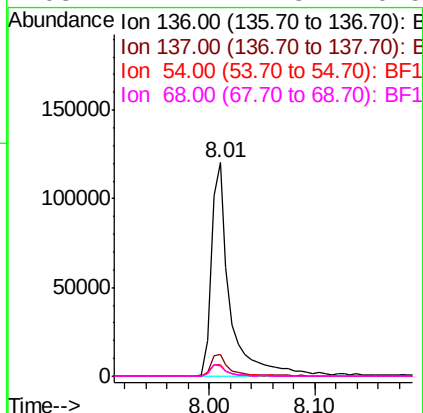
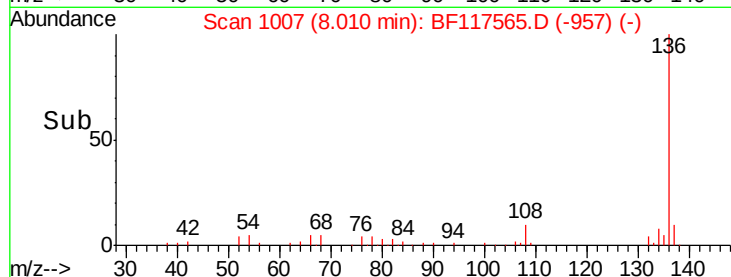
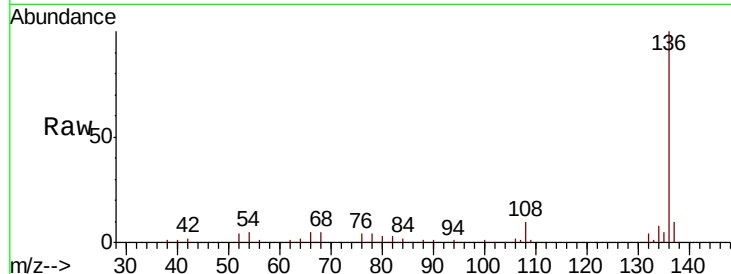




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

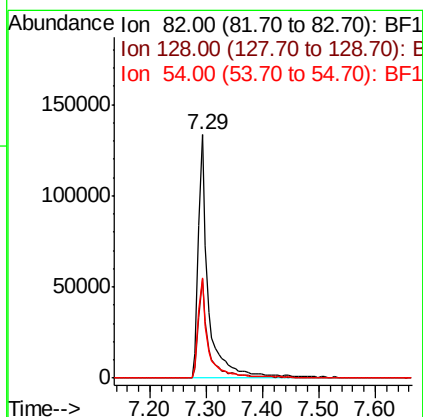
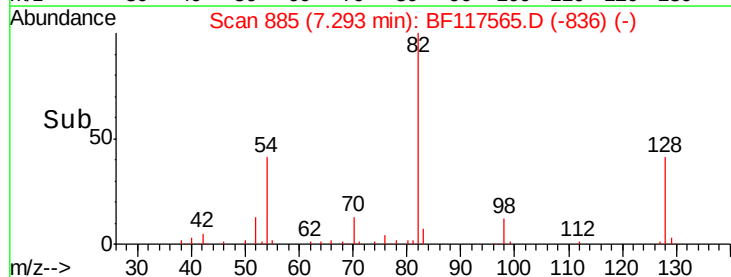
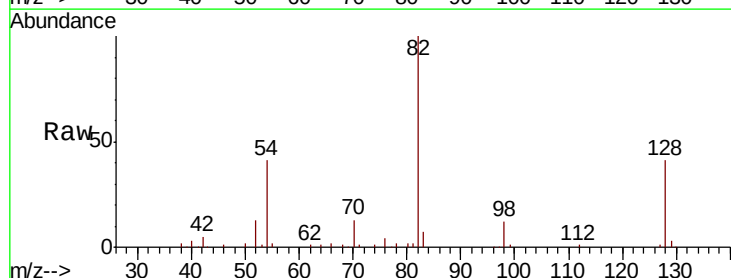
Instrument :
BNA_E
ClientSampleId :

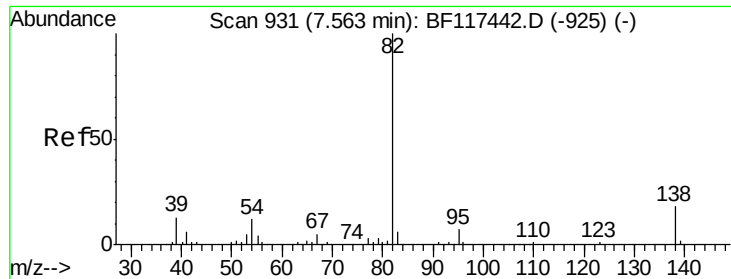
Tot Ion:	136	Resp:	148756
Ion	Ratio	Lower	Upper
136	100		
137	10.0	8.2	12.4
54	5.4	4.5	6.7
68	4.7	4.3	6.5



#23
Nitrobenzene-d5
Concen: 55.779 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

Tgt Ion:	82	Resp:	168074
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.2	48.2
54	40.9	34.2	51.2





#25

Isophorone

Concen: 32.243 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Instrument :

BNA_E

ClientSampleId :

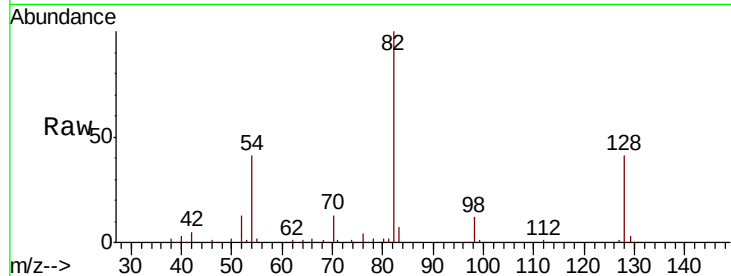
Tot Ion: 82 Resp: 168073

Ion Ratio Lower Upper

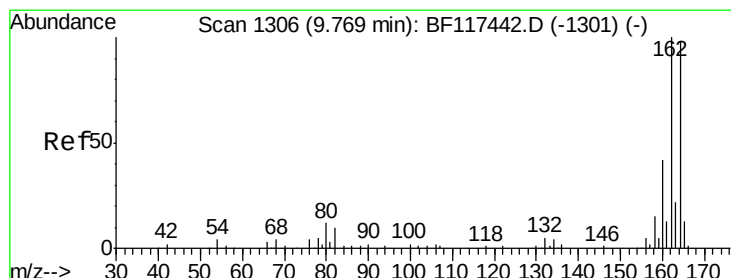
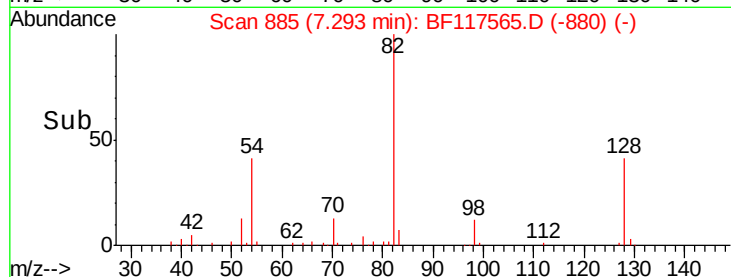
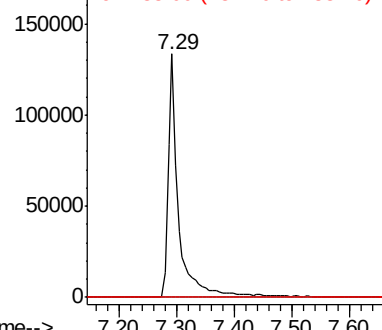
82 100

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# 1304

Delta R.T. -0.01 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

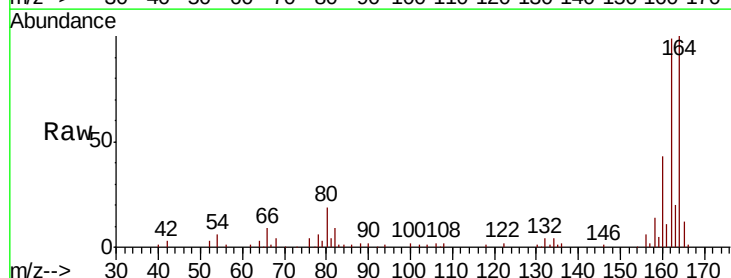
Tgt Ion: 164 Resp: 76895

Ion Ratio Lower Upper

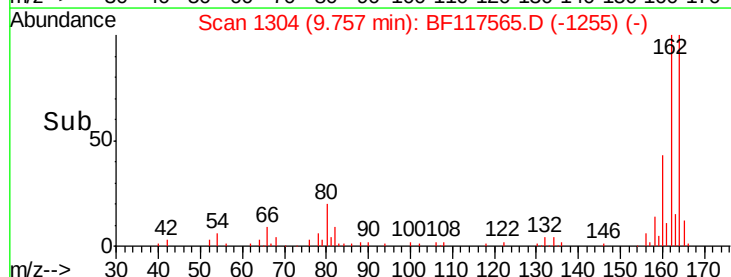
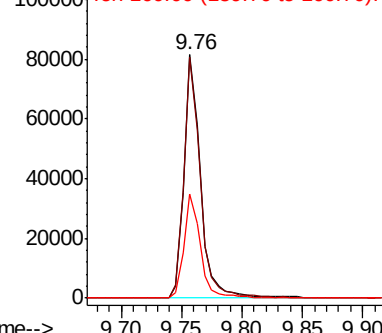
164 100

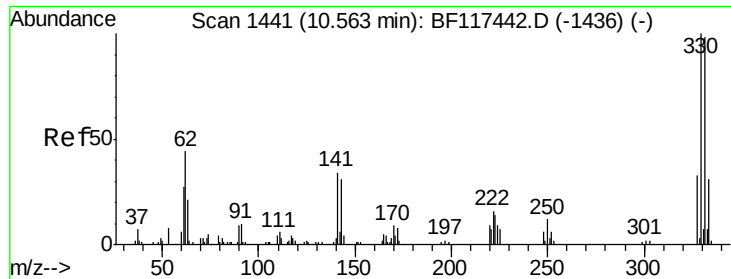
162 99.2 81.8 122.6

160 42.9 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

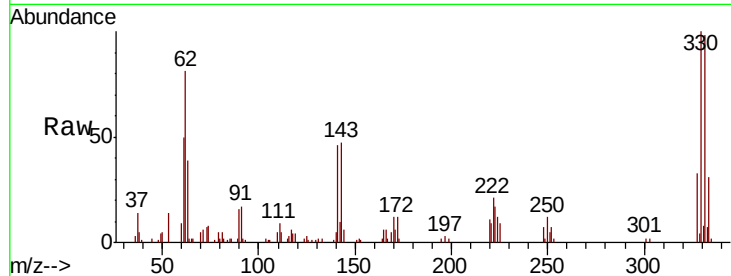




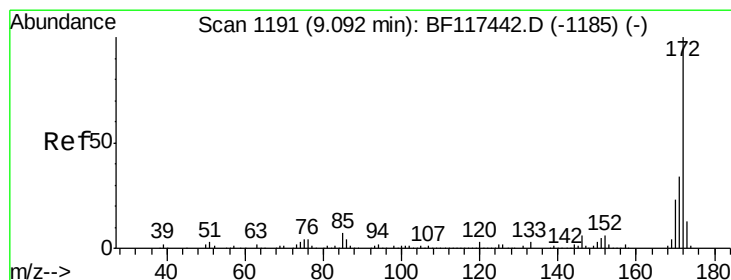
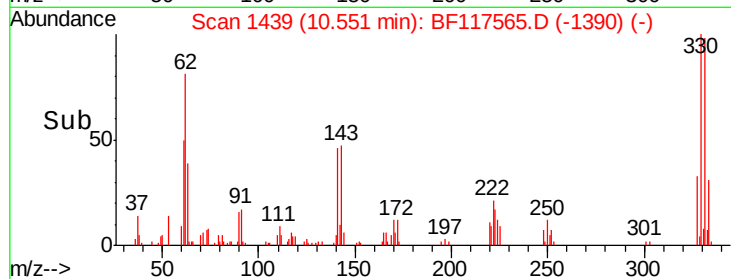
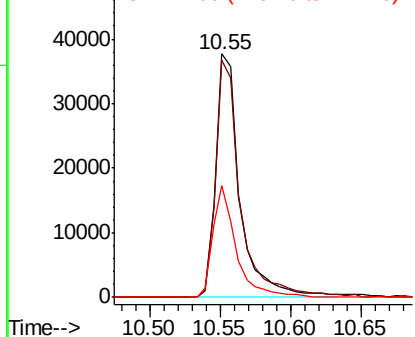
#42
 2,4,6-Tribromophenol
 Concen: 68.054 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF117565.D
 Acq: 28 Oct 2019 16:58

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 45279
 Ion Ratio Lower Upper
 330 100
 332 98.6 78.5 117.7
 141 43.4 37.0 55.6

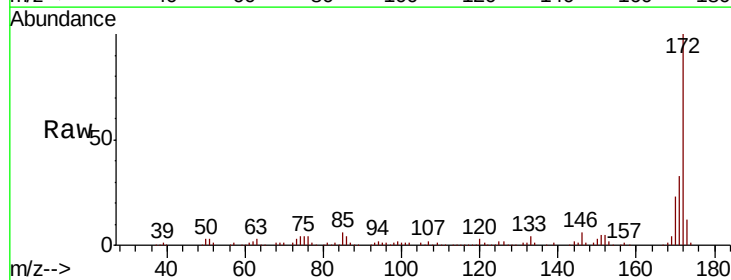


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

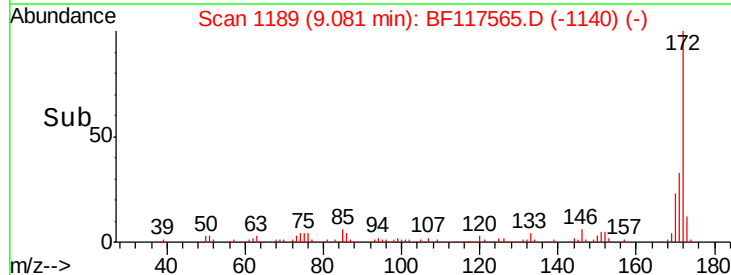
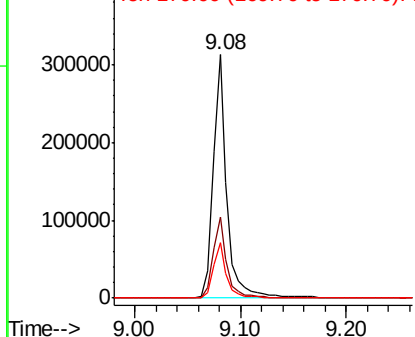


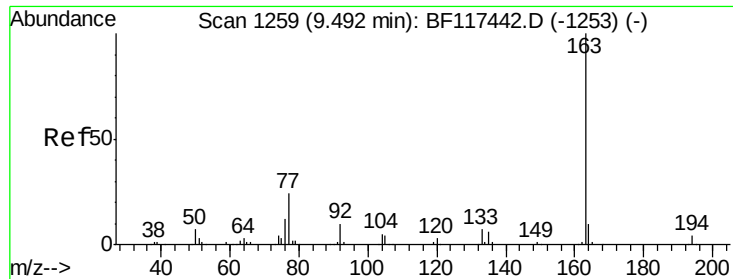
#45
 2-Fluorobiphenyl
 Concen: 52.367 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117565.D
 Acq: 28 Oct 2019 16:58

Tgt Ion:172 Resp: 285791
 Ion Ratio Lower Upper
 172 100
 171 33.4 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

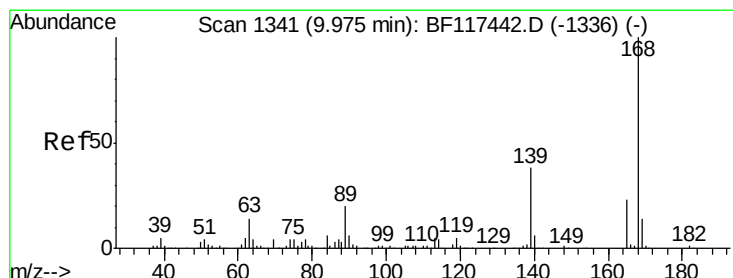
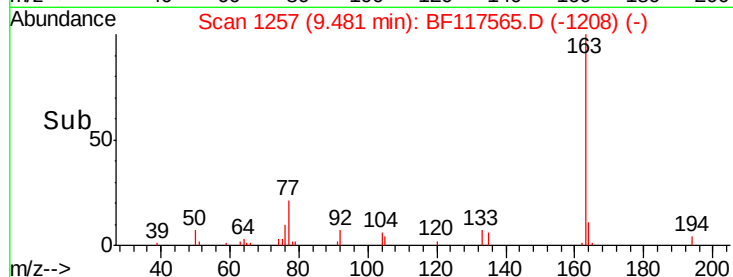
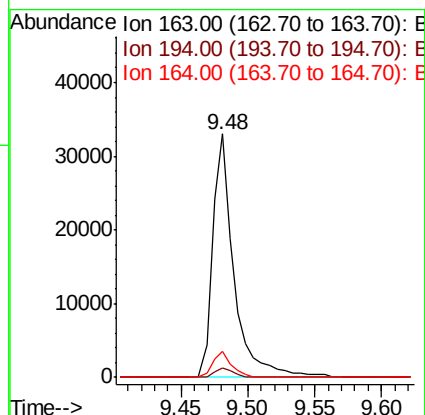
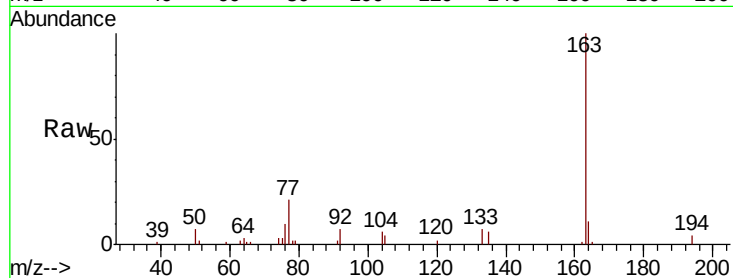




#50
Dimethylphthalate
Concen: 6.751 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

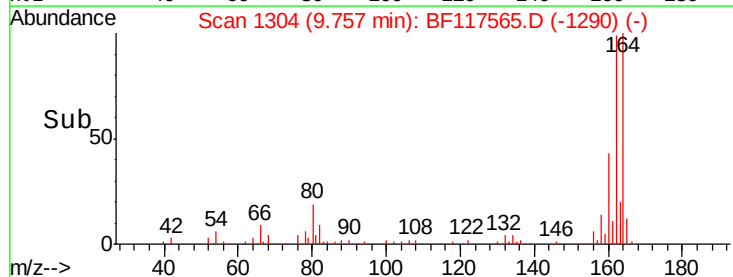
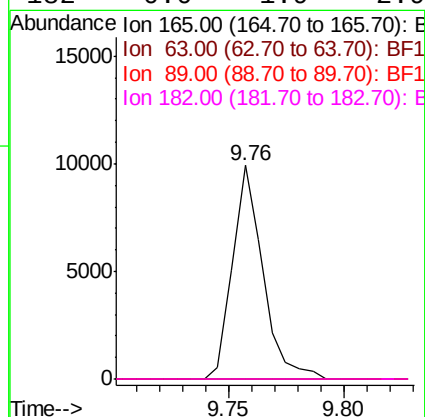
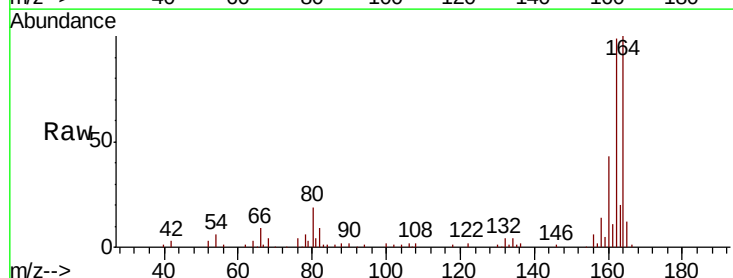
Instrument :
BNA_E
ClientSampleId :

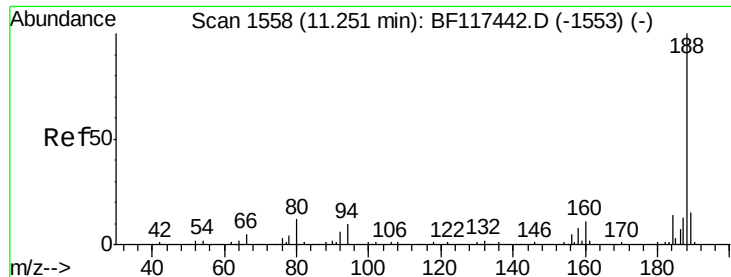
Tot Ion:163 Resp: 37008
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 10.7 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

Tgt Ion:165 Resp: 9125
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: BF117565.D

Acq: 28 Oct 2019 16:58

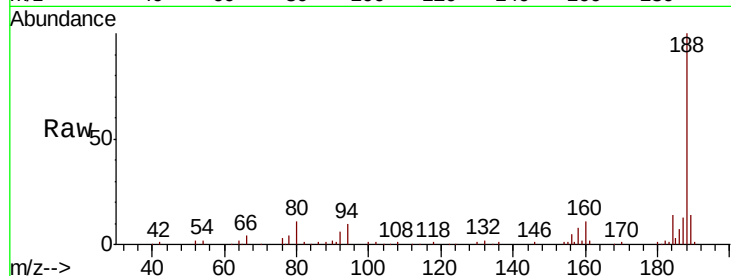
Instrument :

BNA_E

ClientSampleId :

Tot Ion:188 Resp: 113350

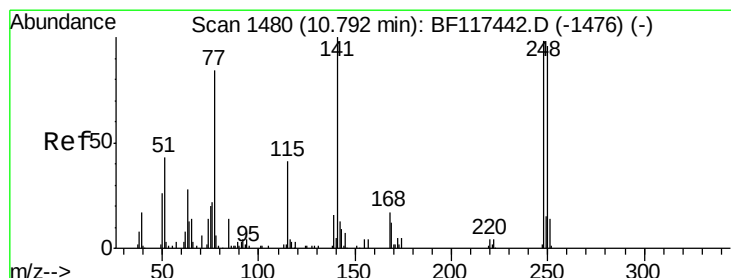
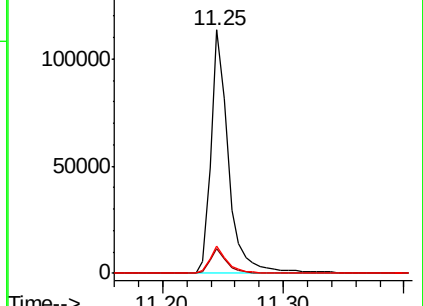
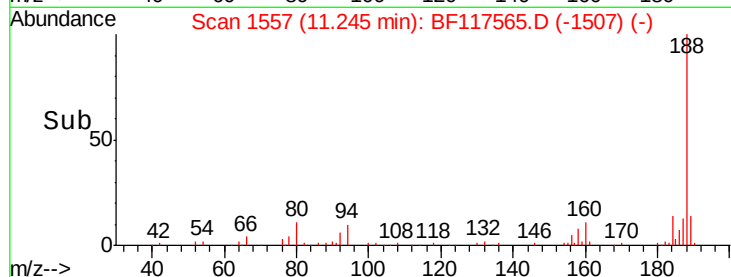
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.0	12.0
80	11.3	9.5	14.3



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: 2.315 ng

RT: 10.55 min Scan# 1439

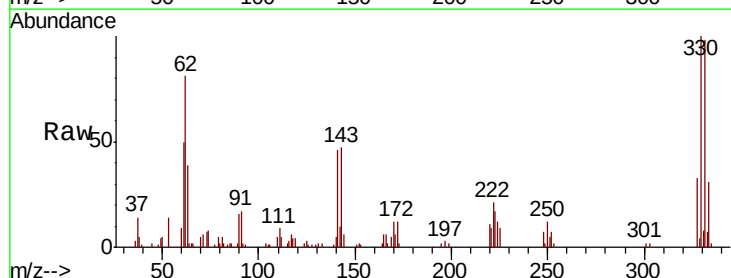
Delta R.T. -0.24 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Tgt Ion:248 Resp: 2826

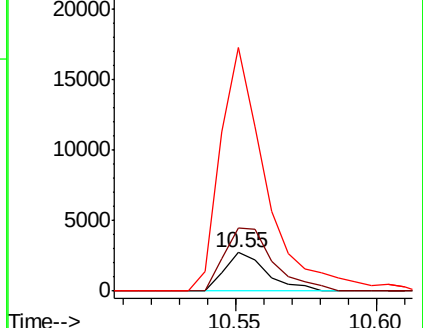
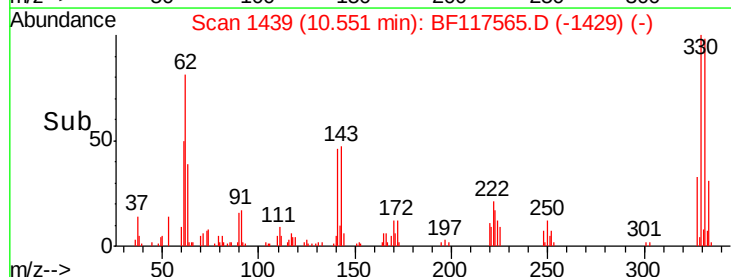
Ion	Ratio	Lower	Upper
248	100		
250	164.1	78.0	117.0#
141	636.8	81.7	122.5#

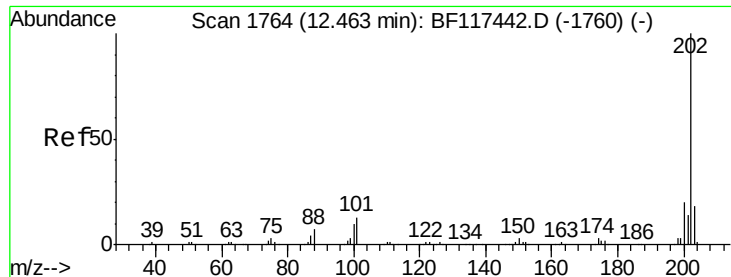


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.362 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Instrument :

BNA_E

ClientSampleId :

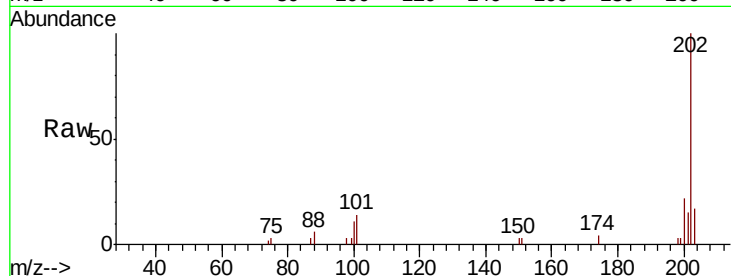
Tot Ion:202 Resp: 15562

Ion Ratio Lower Upper

202 100

101 13.6 0.0 32.7

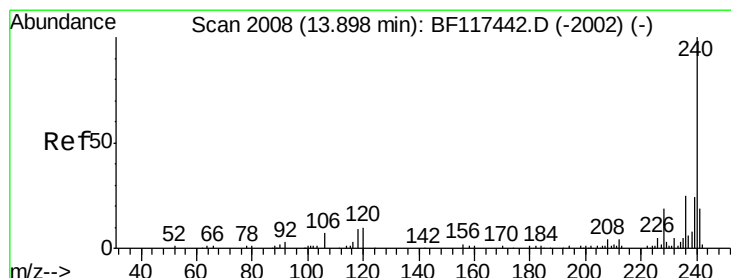
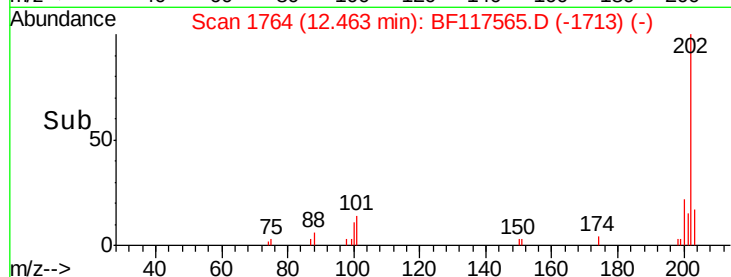
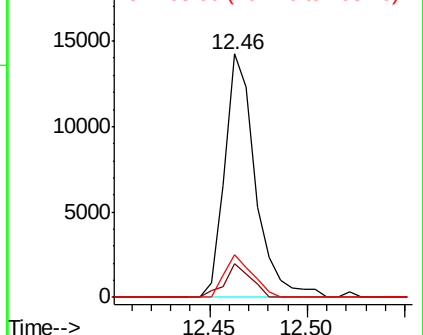
203 17.4 0.0 37.6



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# 2007

Delta R.T. -0.01 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

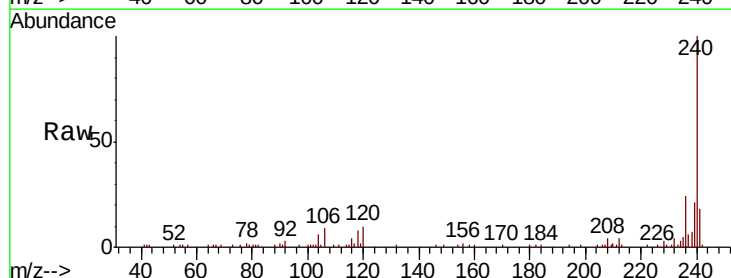
Tgt Ion:240 Resp: 68792

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

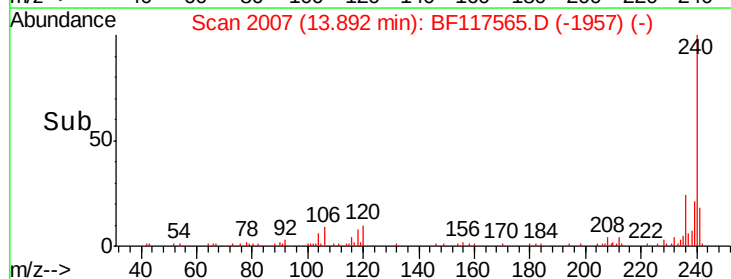
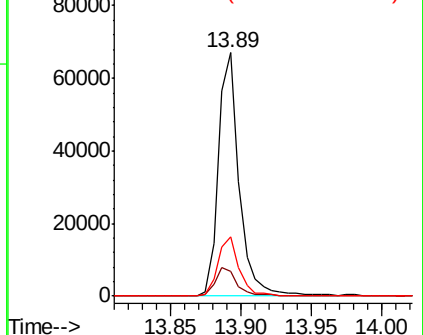
236 24.2 20.0 30.0

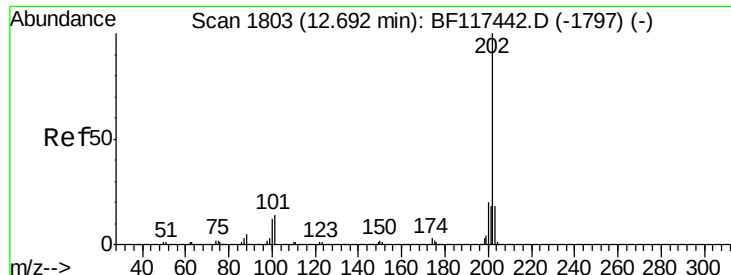


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.376 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Instrument :

BNA_E

ClientSampleId :

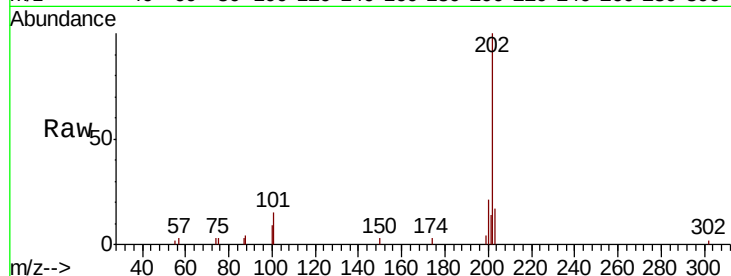
Tot Ion:202 Resp: 14041

Ion Ratio Lower Upper

202 100

200 21.1 16.2 24.2

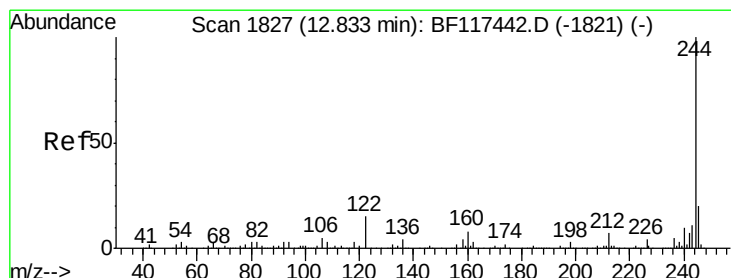
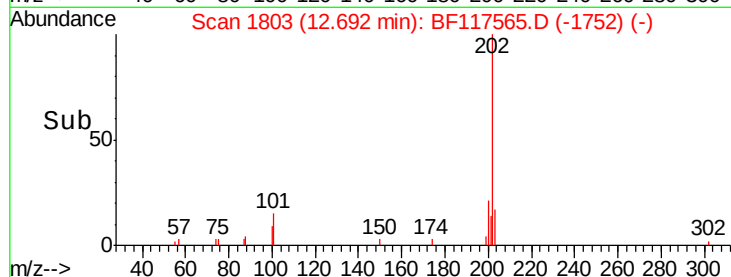
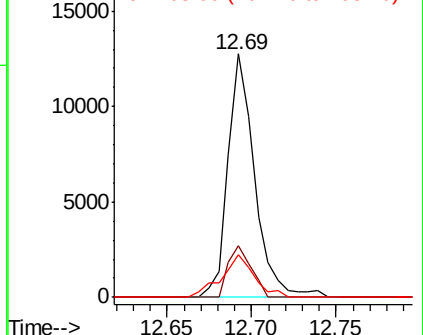
203 17.3 14.0 21.0



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: 47.069 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

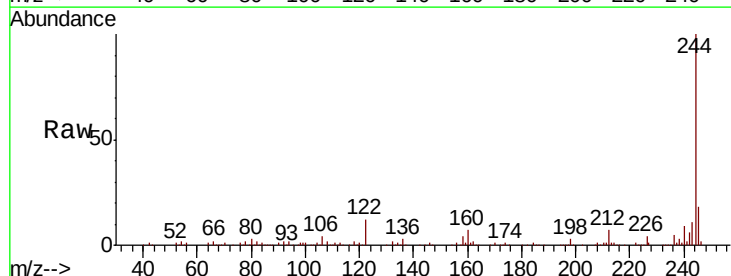
Tgt Ion:244 Resp: 198511

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

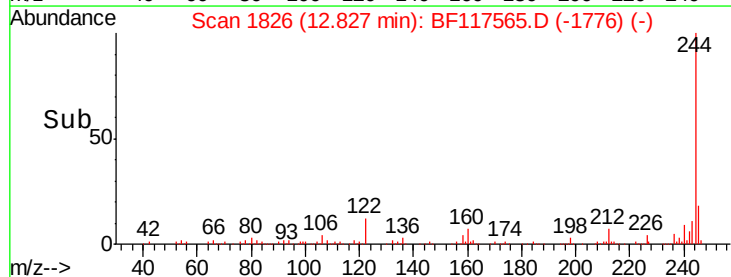
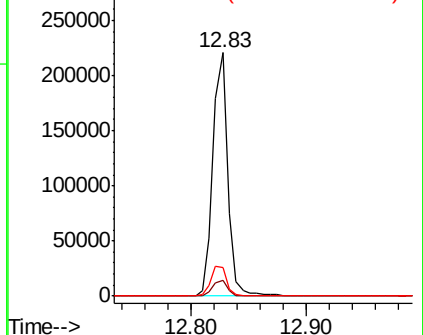
122 11.7 11.8 17.8#

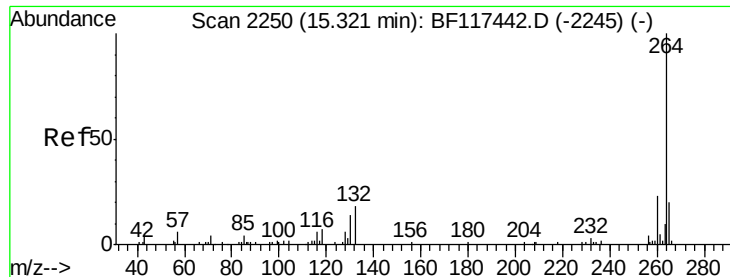


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



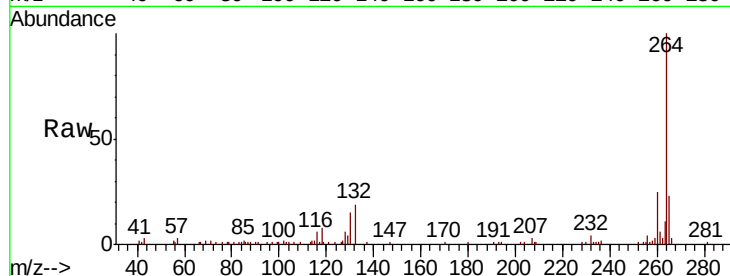


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.00 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

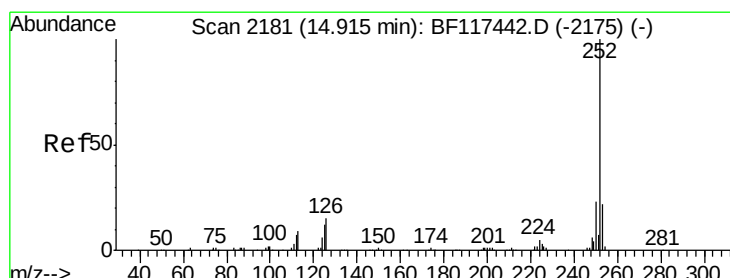
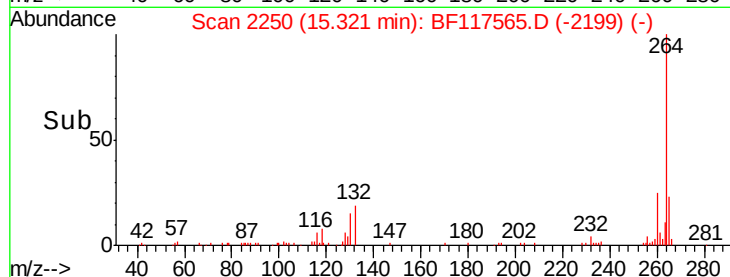
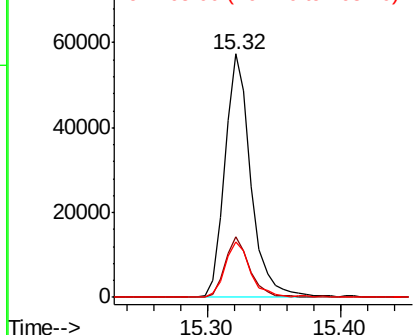
Instrument :
BNA_E
ClientSampleId :

Tot Ion:264 Resp: 78910

Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.4	27.6
265	22.5	16.1	24.1



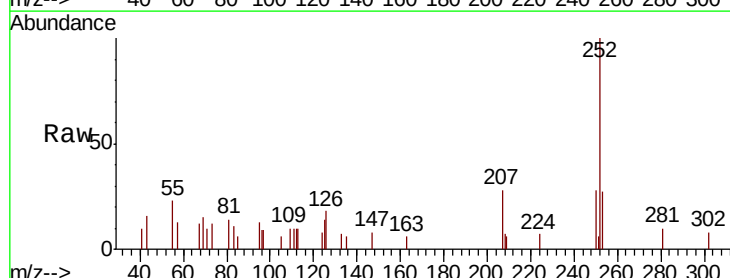
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



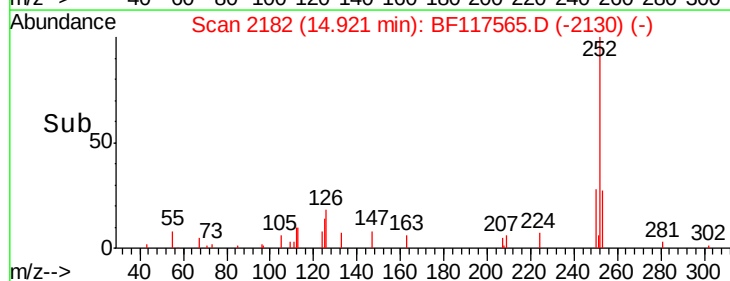
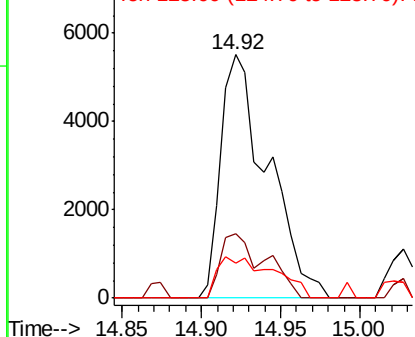
#88
Benzo(b)fluoranthene
Concen: 2.433 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117565.D
Acq: 28 Oct 2019 16:58

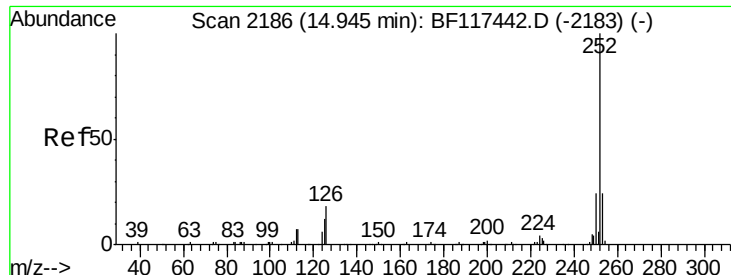
Tgt Ion:252 Resp: 11339

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.8	26.6
125	14.3	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: 2.374 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117565.D

Acq: 28 Oct 2019 16:58

Instrument :

BNA_E

ClientSampleId :

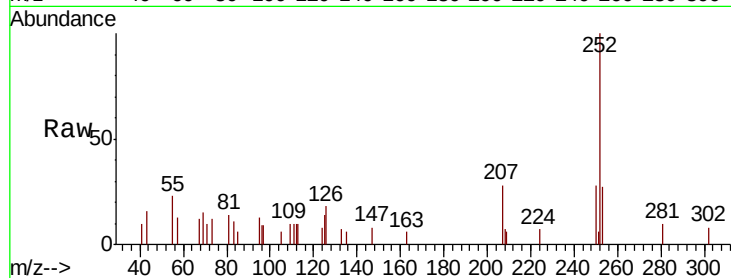
Tot Ion:252 Resp: 11339

Ion Ratio Lower Upper

252 100

253 26.6 18.0 27.0

125 14.3 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

