

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
 Data File : BF119775.D
 Acq On : 6 Apr 2020 16:44
 Operator : MA/SJ
 Sample : L2132-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-GRAVEL

Quant Time: Apr 06 17:43:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 06 11:15:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	160644	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	588338	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	319279	20.00	ng	-0.01
64) Phenanthrene-d10	11.31	188	604993	20.00	ng	0.00
76) Chrysene-d12	13.95	240	454613	20.00	ng	0.00
87) Perylene-d12	15.39	264	448833	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	1503929	149.03	ng	0.02
7) Phenol-d6	6.42	99	1705680	132.32	ng	0.00
23) Nitrobenzene-d5	7.35	82	1218241	112.54	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	573641	174.15	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2415117	112.06	ng	0.00
79) Terphenyl-d14	12.90	244	2621164	112.96	ng	0.00

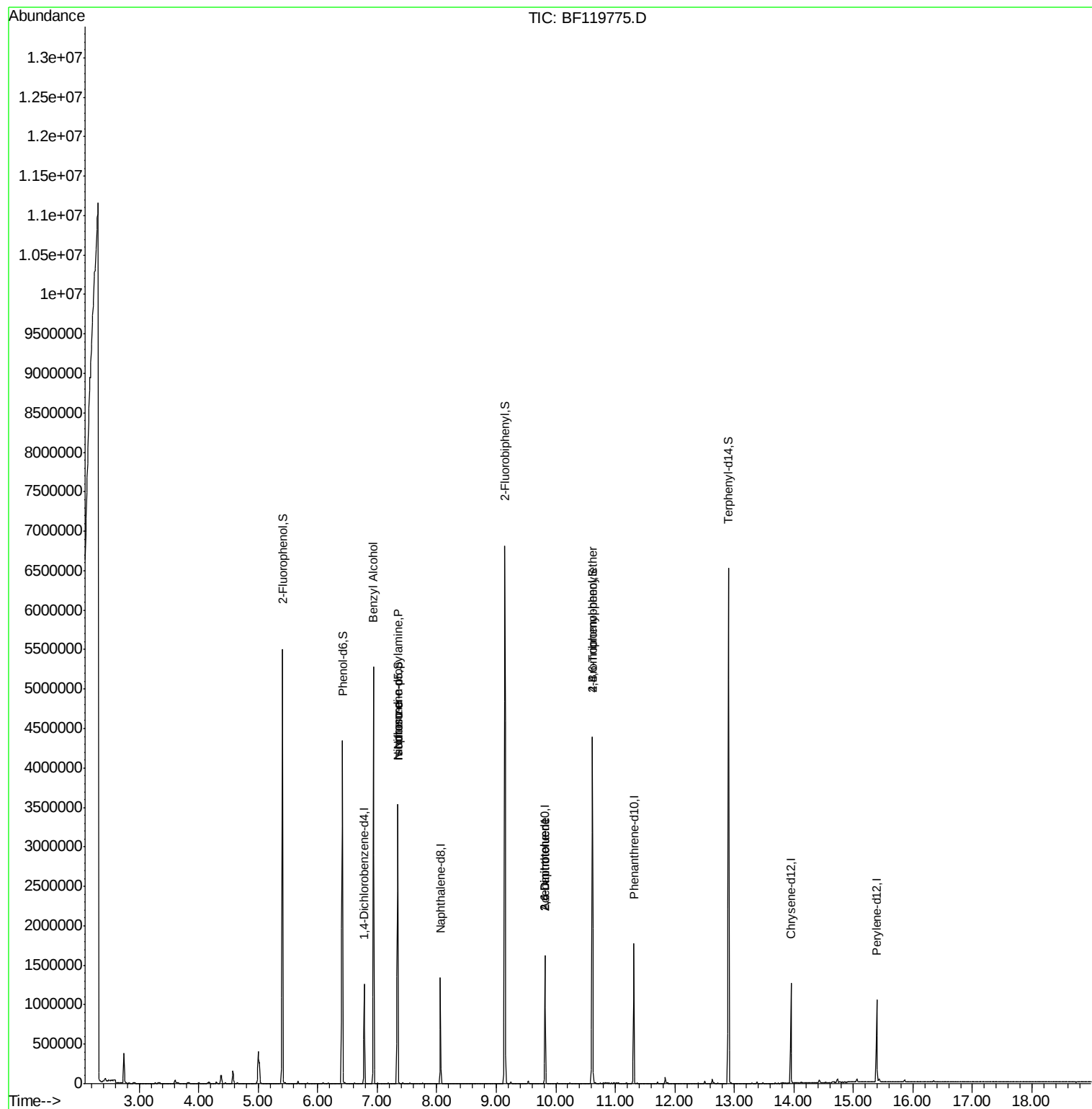
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.94	79	20129	2.076	ng	# 52
19) n-Nitroso-di-n-propylamine	7.35	70	161013	20.722	ng	# 77
25) Isophorone	7.35	82	1218215	55.475	ng	# 65
51) 2,6-Dinitrotoluene	9.82	165	40718	8.376	ng	# 27
57) 2,4-Dinitrotoluene	9.82	165	40718	6.649	ng	# 20
67) 4-Bromophenyl-phenylether	10.62	248	35226	5.113	ng	# 1

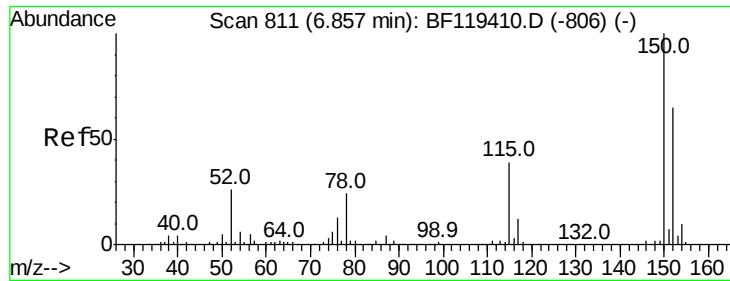
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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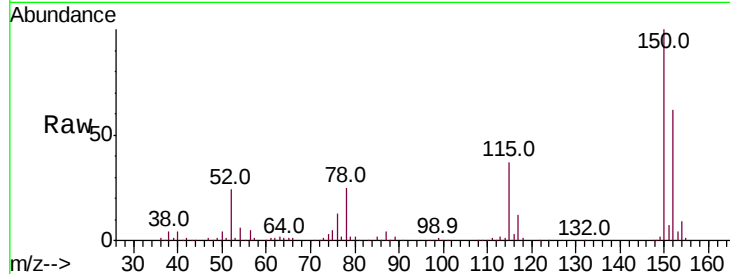


#1

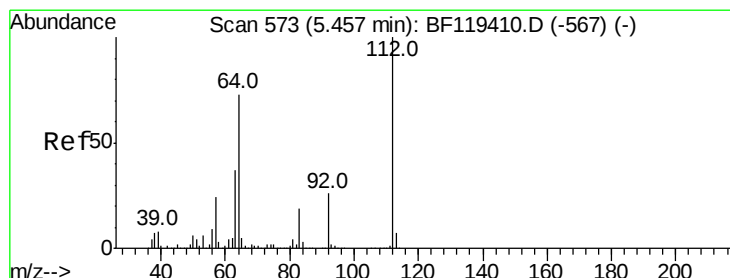
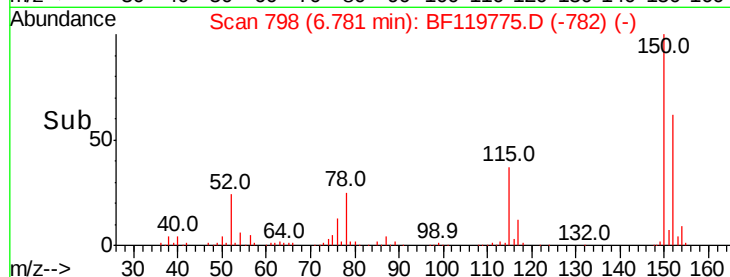
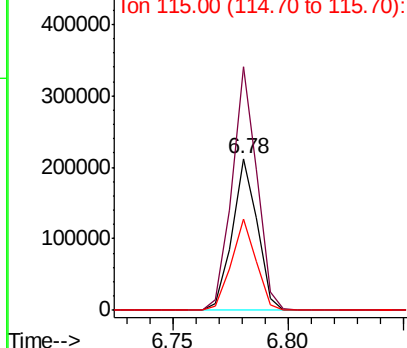
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

Instrument :
BNA_F
ClientSampleId :
CLEAN-GRAVEL

Tot Ion:152 Resp: 160644
Ion Ratio Lower Upper
152 100
150 160.3 124.5 186.7
115 59.8 49.6 74.4



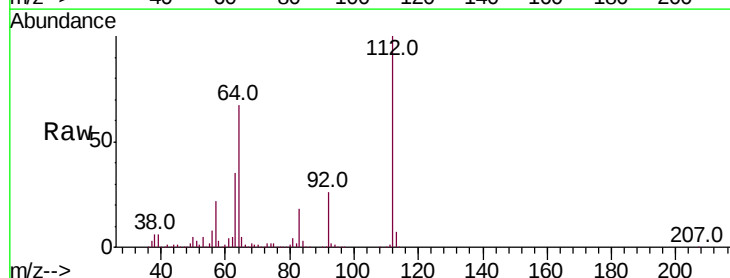
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



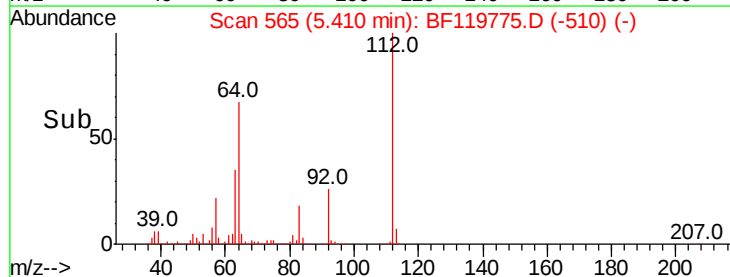
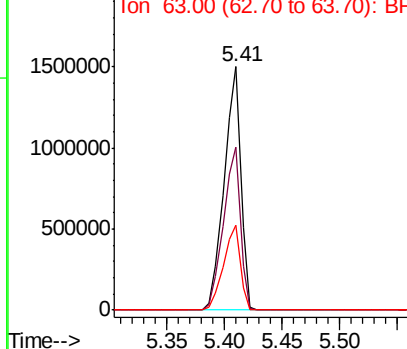
#5

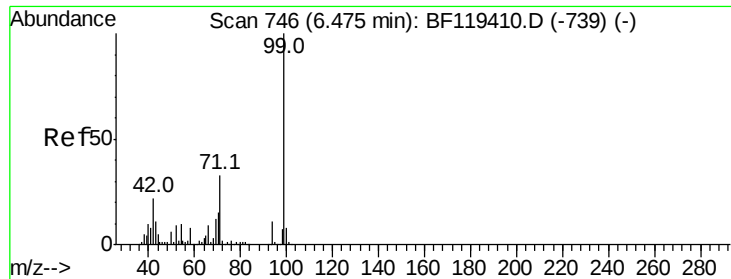
2-Fluorophenol
Concen: 149.032 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

Tgt Ion:112 Resp: 1503929
Ion Ratio Lower Upper
112 100
64 67.1 56.7 85.1
63 35.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 132.316 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.00 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Instrument :

BNA_F

ClientSampleId :

CLEAN-GRAVEL

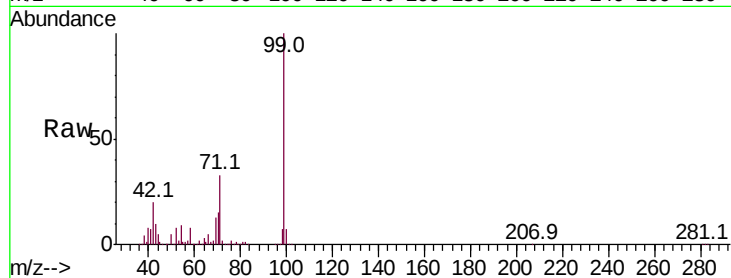
Tot Ion: 99 Resp: 1705680

Ion Ratio Lower Upper

99 100

42 20.3 16.6 24.8

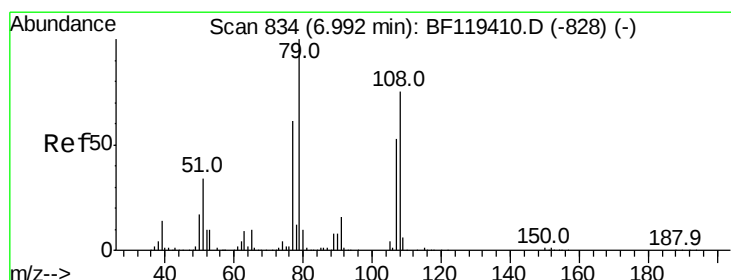
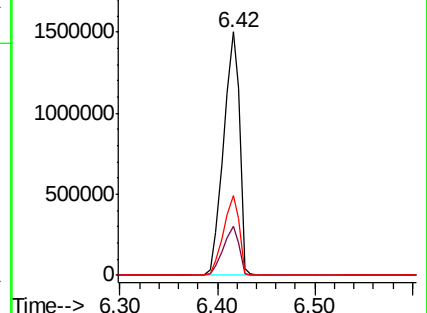
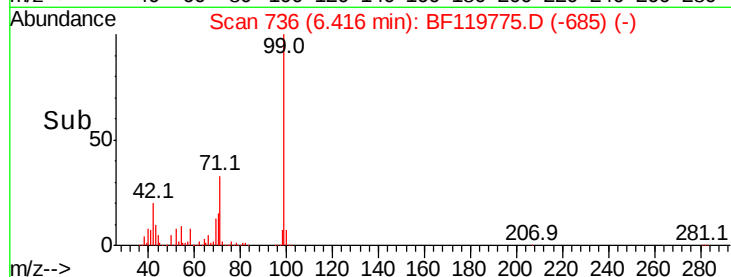
71 32.9 26.4 39.6



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



#15

Benzyl Alcohol

Concen: 2.076 ng

RT: 6.94 min Scan# 825

Delta R.T. 0.01 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

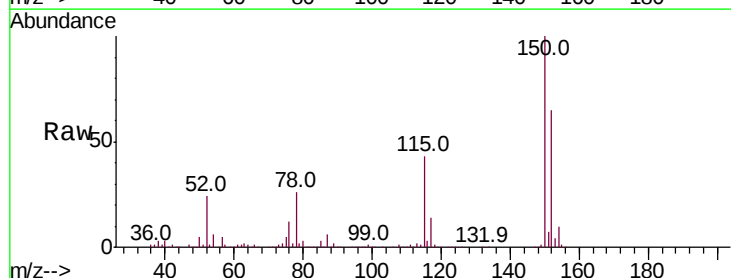
Tgt Ion: 79 Resp: 20129

Ion Ratio Lower Upper

79 100

108 29.2 60.6 90.8#

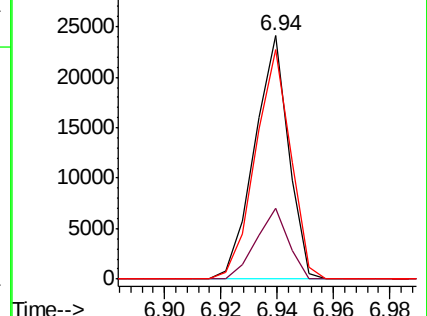
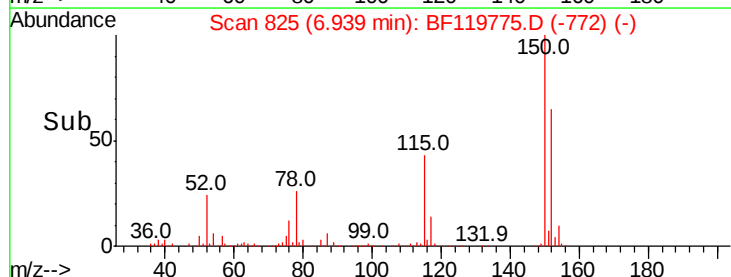
77 94.1 50.2 75.2#

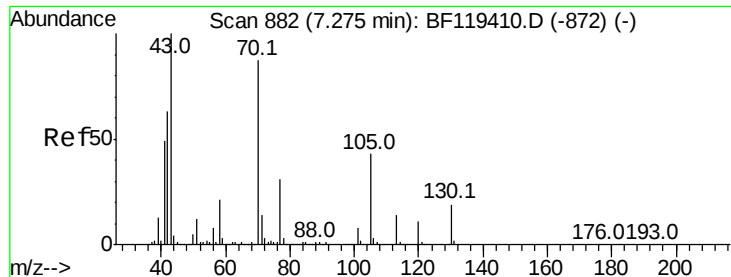


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

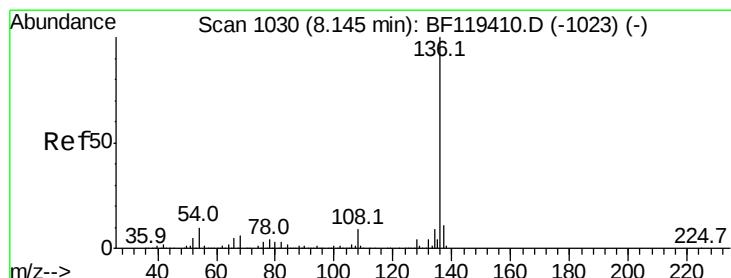
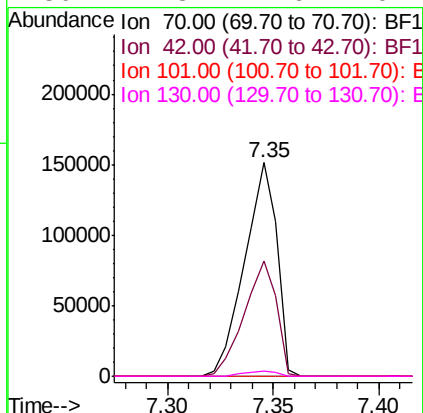
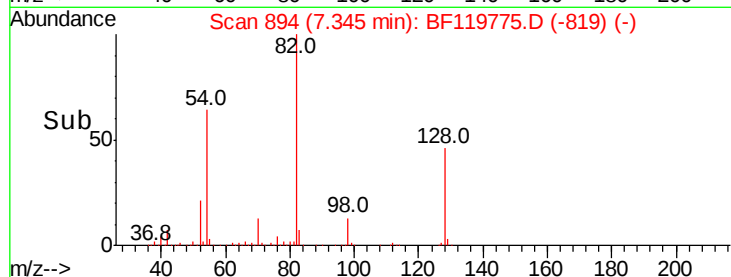
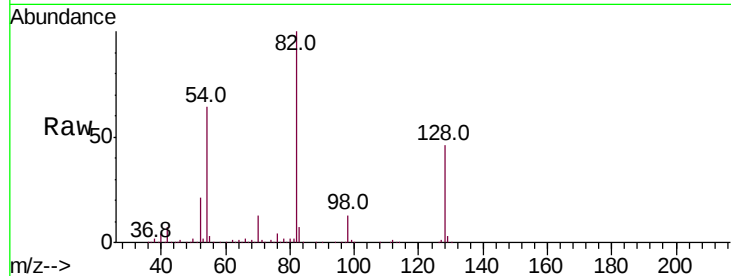




#19
n-Nitroso-di-n-propylamine
Concen: 20.722 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

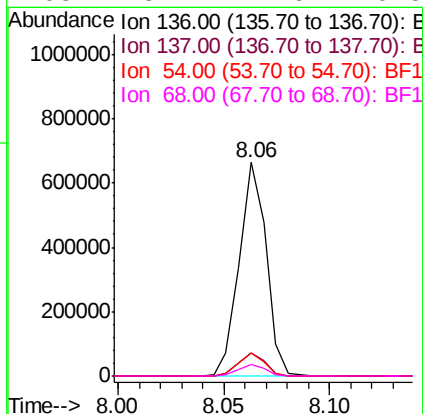
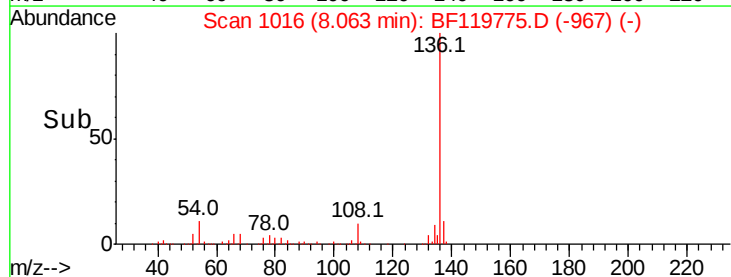
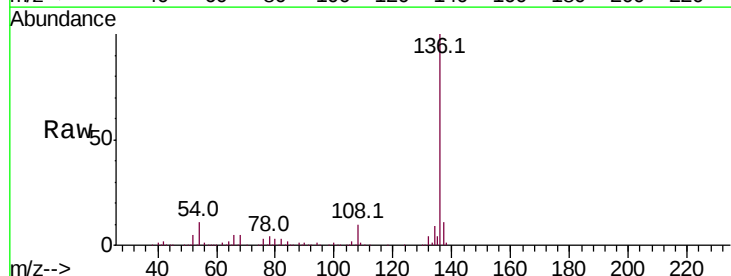
Instrument :
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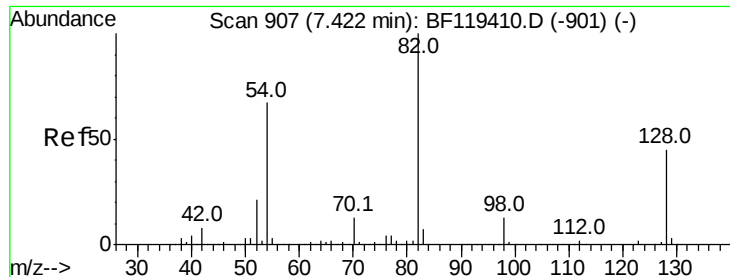
Tot Ion: 70 Resp: 161013
Ion Ratio Lower Upper
70 100
42 54.0 54.5 81.7#
101 0.0 7.6 11.4#
130 2.3 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

Tgt Ion: 136 Resp: 588338
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 10.8 9.1 13.7
68 5.4 4.6 6.8

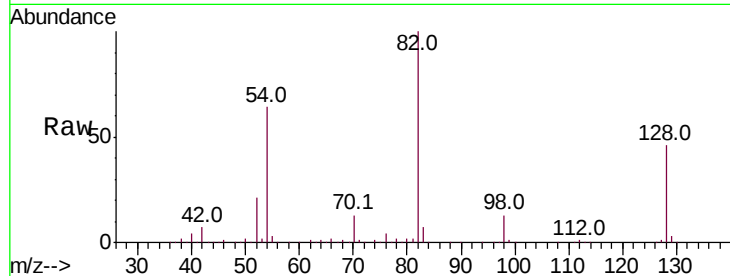




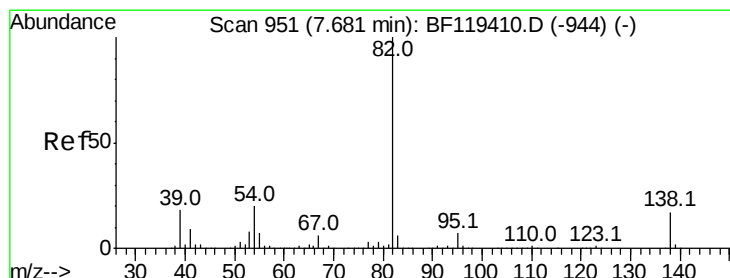
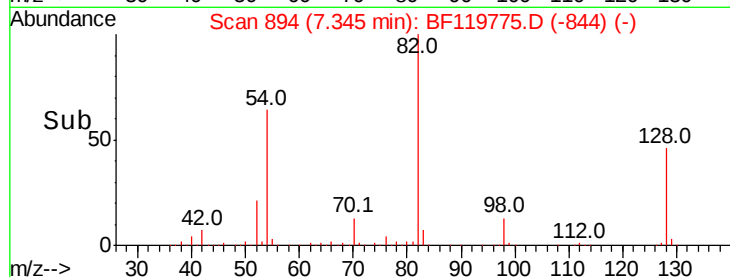
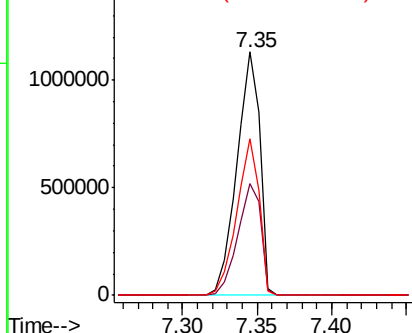
#23
 Nitrobenzene-d5
 Concen: 112.535 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-GRAVEL

Tot Ion: 82 Resp: 1218241
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.3 54.5
 54 64.5 50.6 75.8

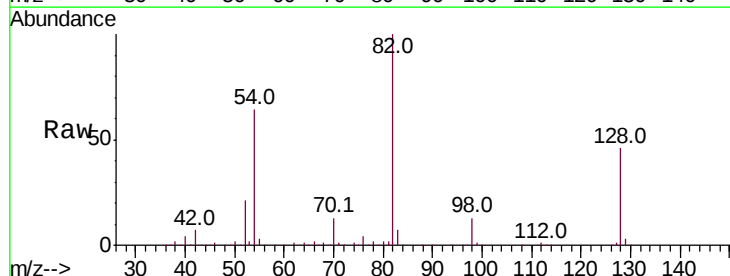


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

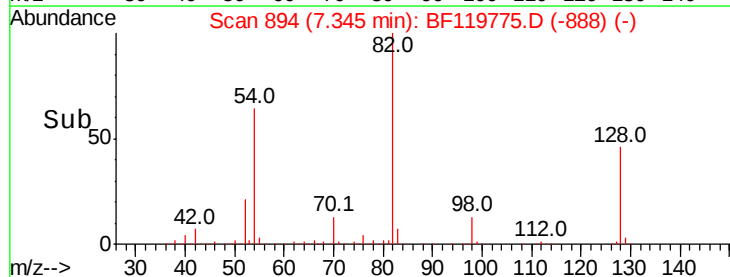
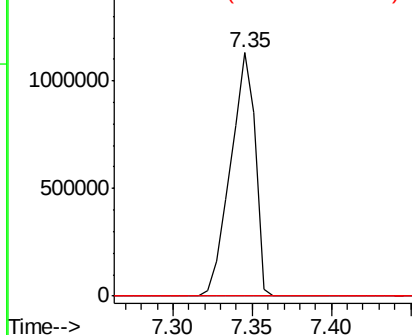


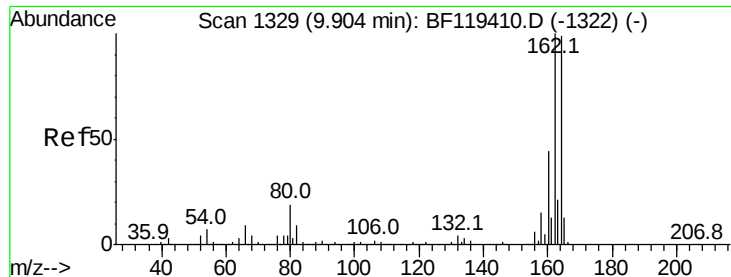
#25
 Isophorone
 Concen: 55.475 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

Tgt Ion: 82 Resp: 1218215
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.8 8.6#
 138 0.0 14.6 21.8#



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): BF1

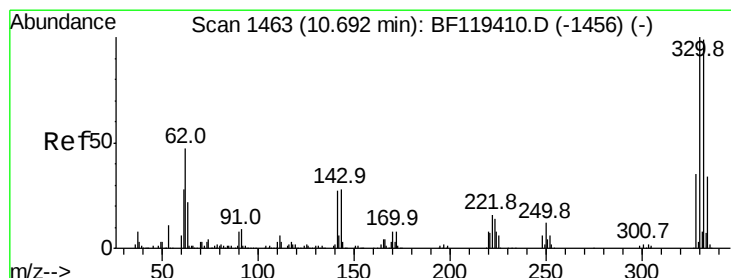
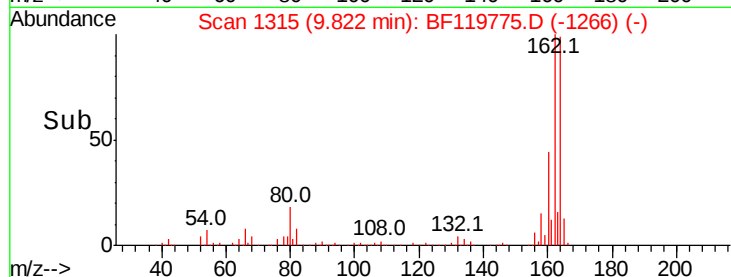
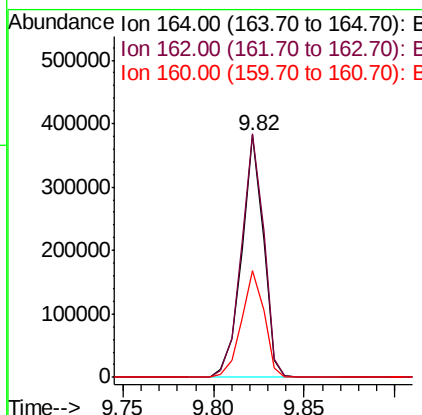
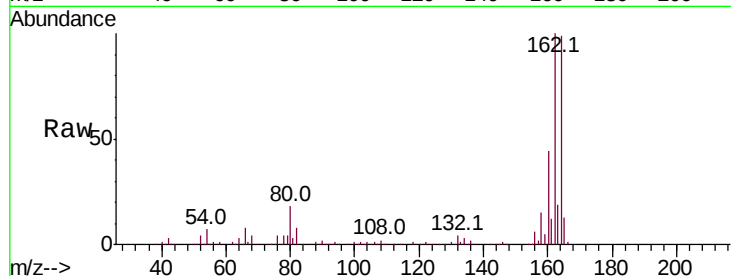




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

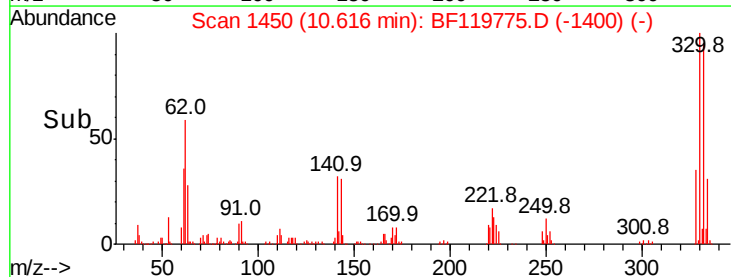
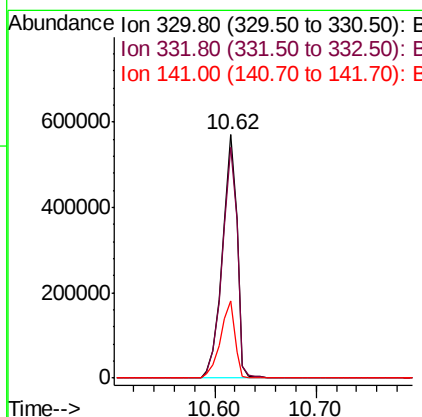
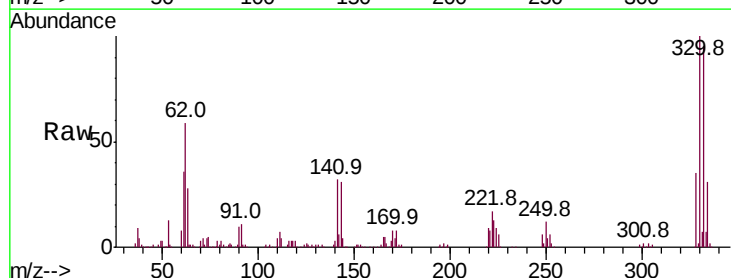
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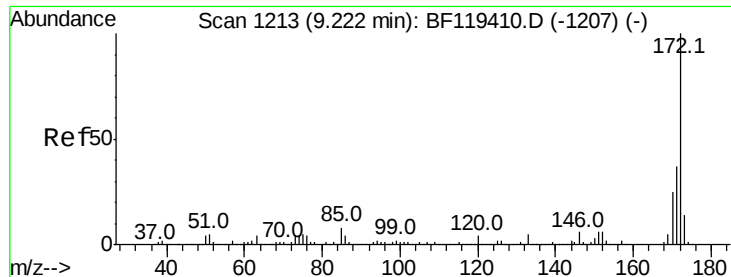
Tot Ion:164 Resp: 319279
Ion Ratio Lower Upper
164 100
162 100.6 80.6 121.0
160 44.2 35.7 53.5



#42
2,4,6-Tribromophenol
Concen: 174.153 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF119775.D
Acq: 6 Apr 2020 16:44

Tgt Ion:330 Resp: 573641
Ion Ratio Lower Upper
330 100
332 97.2 75.7 113.5
141 31.1 25.4 38.0



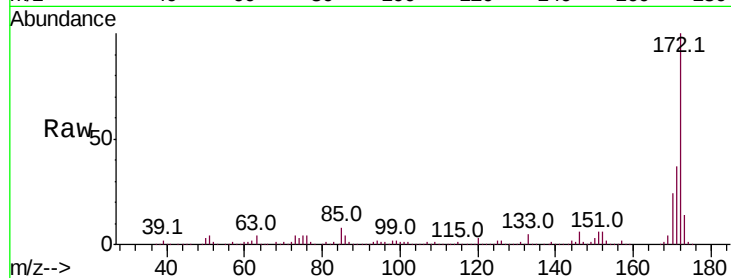


#45
 2-Fluorobiphenyl
 Concen: 112.063 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

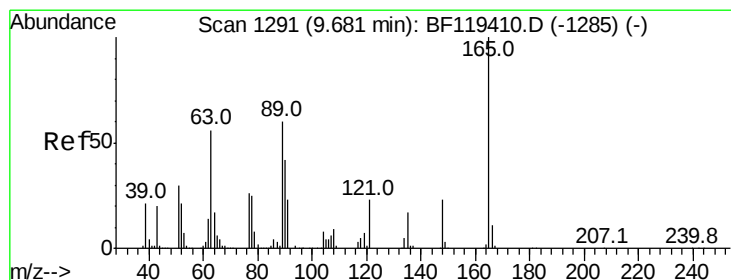
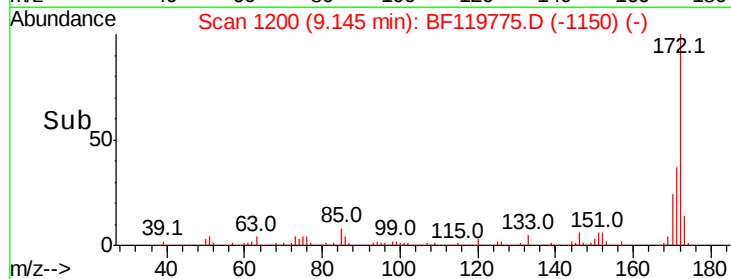
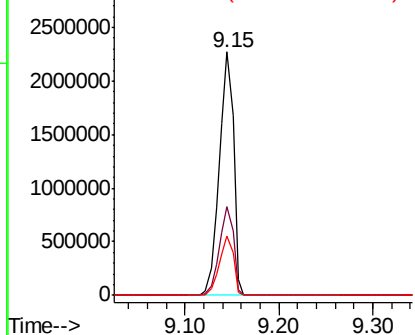
Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion:172 Resp: 2415117

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.4	20.2	30.2



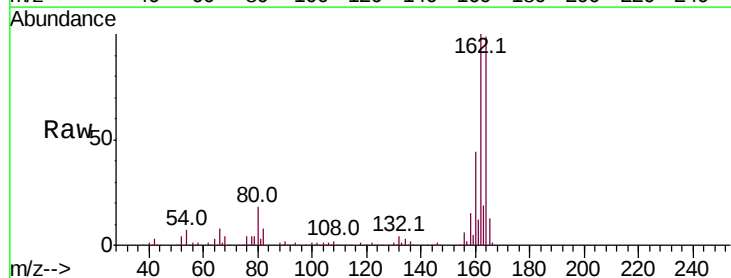
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



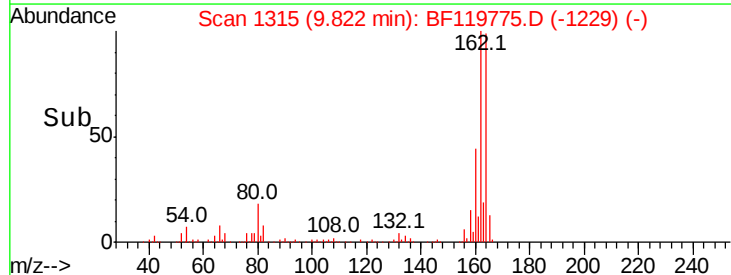
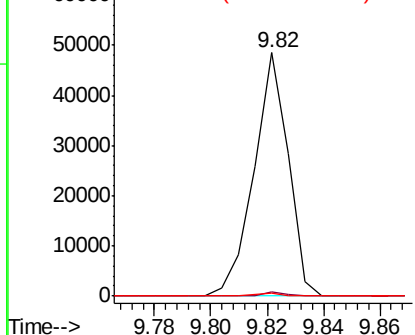
#51
 2,6-Dinitrotoluene
 Concen: 8.376 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.21 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

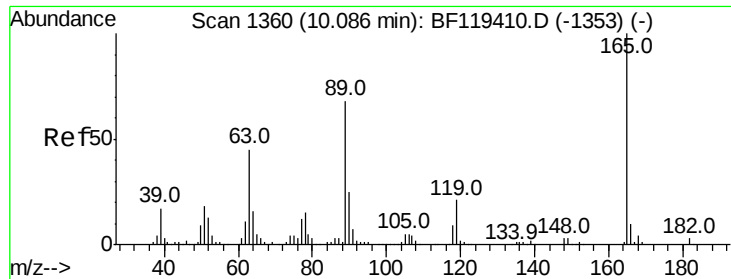
Tgt Ion:165 Resp: 40718

Ion	Ratio	Lower	Upper
165	100		
63	1.6	45.0	67.4#
89	1.3	41.5	62.3#



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

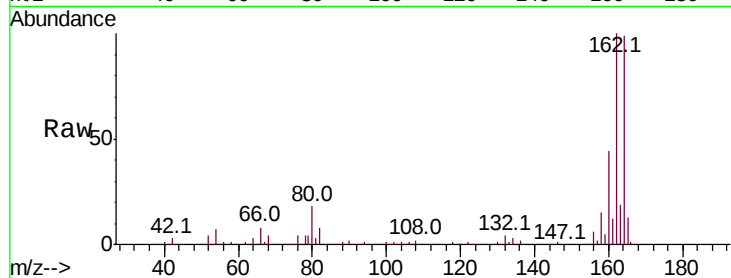




#57
 2,4-Dinitrotoluene
 Concen: 6.649 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.19 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-GRAVEL

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	42.6	64.0#
89	1.3	61.0	91.4#
182	0.0	2.2	3.2#

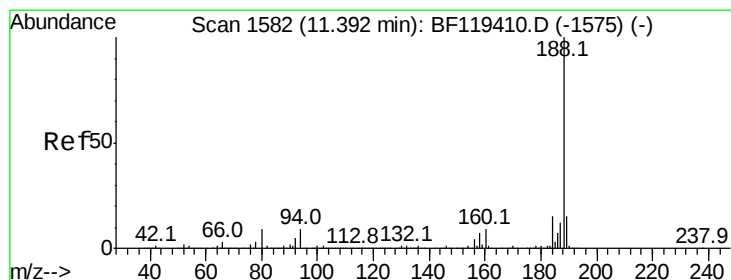
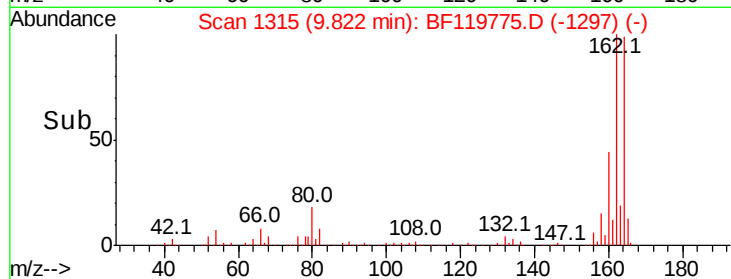
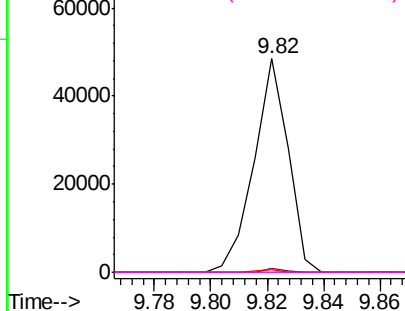


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

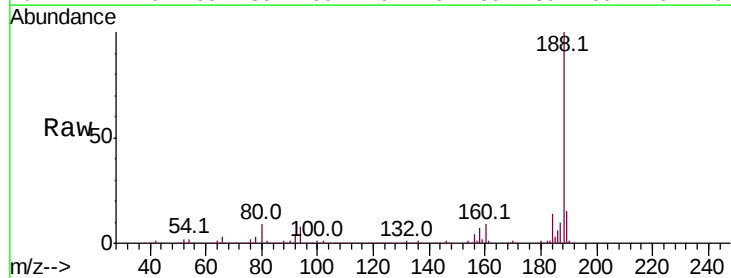
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

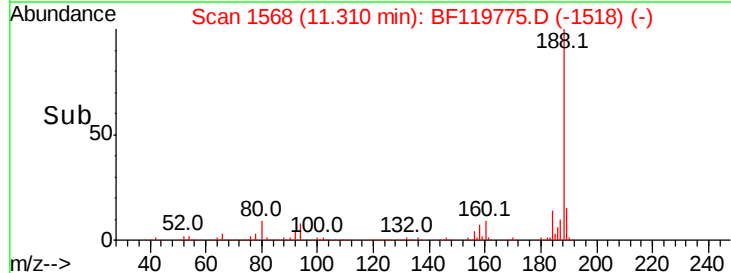
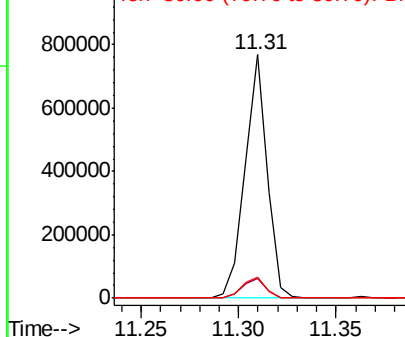
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.5	11.3
80	8.7	9.0	13.4#

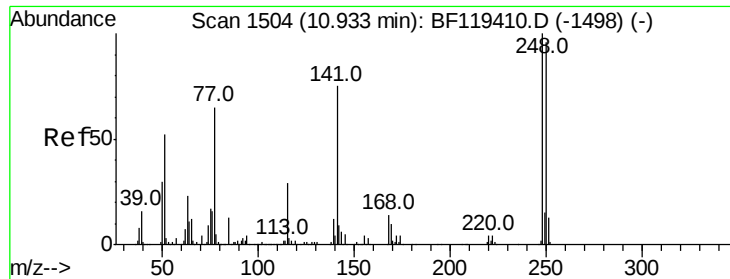


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

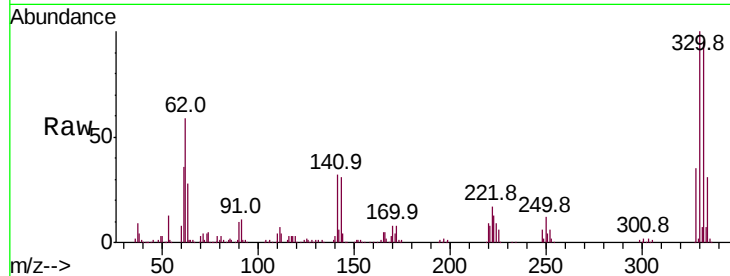




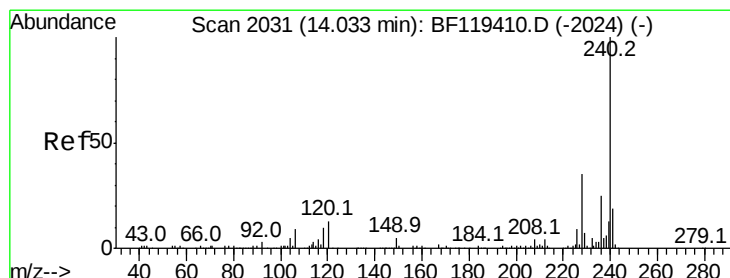
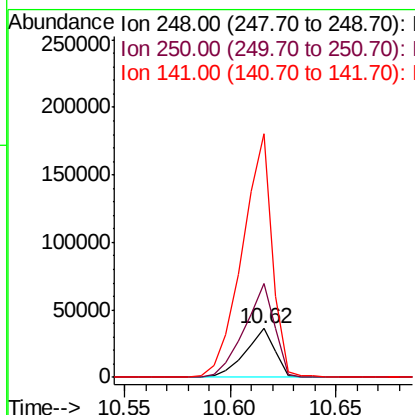
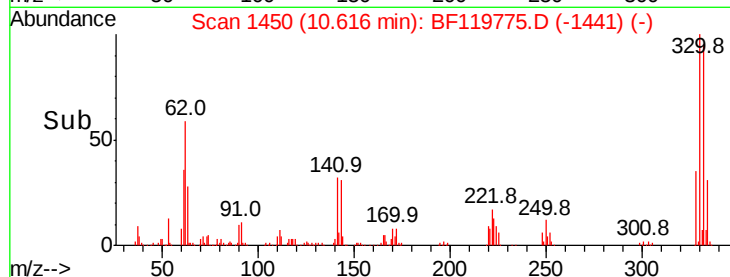
#67
 4-Bromophenyl-phenylether
 Concen: 5.113 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

Instrument :
 BNA_F
 ClientSampleId :
 CLEAN-GRAVEL

Tot Ion:248 Resp: 35226
 Ion Ratio Lower Upper
 248 100
 250 192.6 77.3 115.9#
 141 502.6 58.6 87.8#

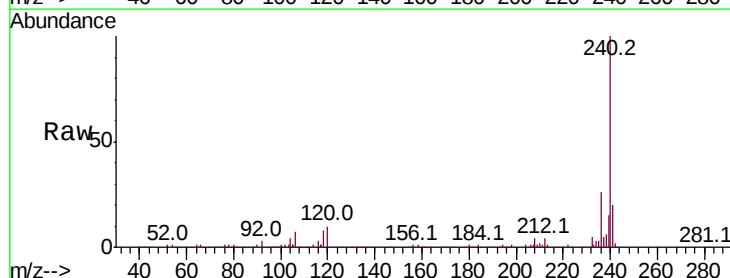


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

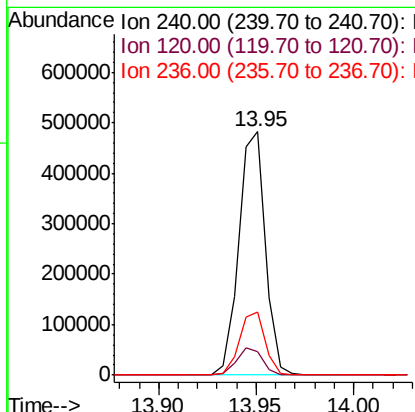
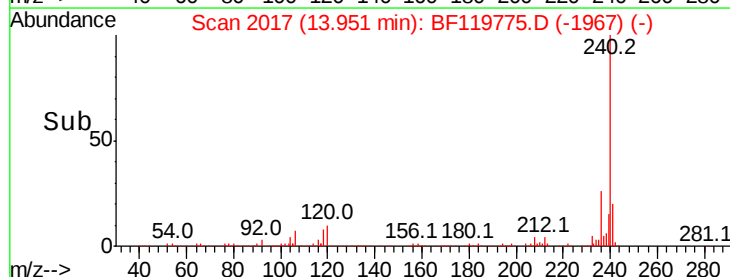


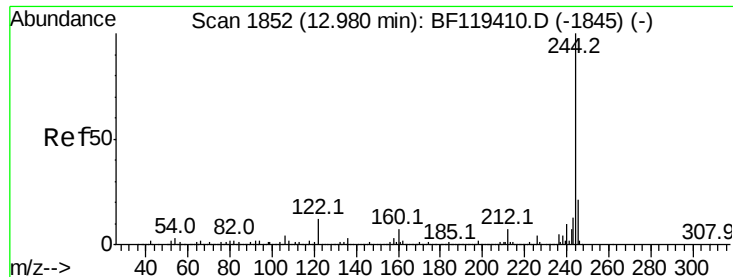
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF119775.D
 Acq: 6 Apr 2020 16:44

Tgt Ion:240 Resp: 454613
 Ion Ratio Lower Upper
 240 100
 120 9.7 10.6 15.8#
 236 25.7 20.2 30.2



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





#79

Terphenyl-d14

Concen: 112.962 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Instrument :

BNA_F

ClientSampleId :

CLEAN-GRAVEL

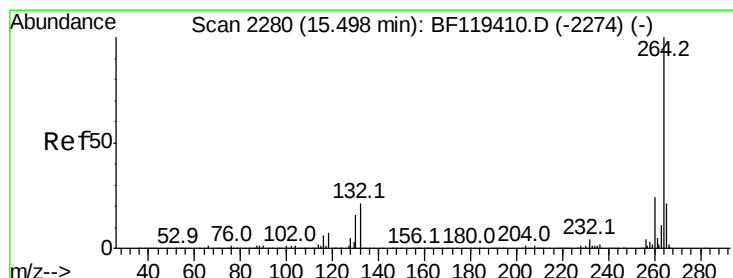
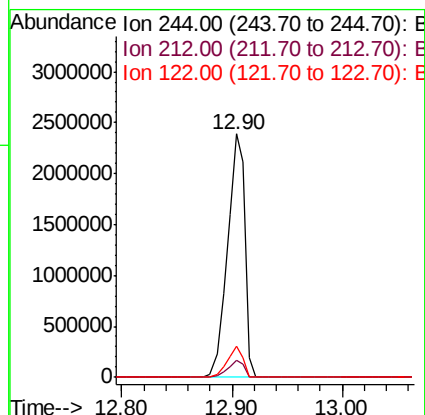
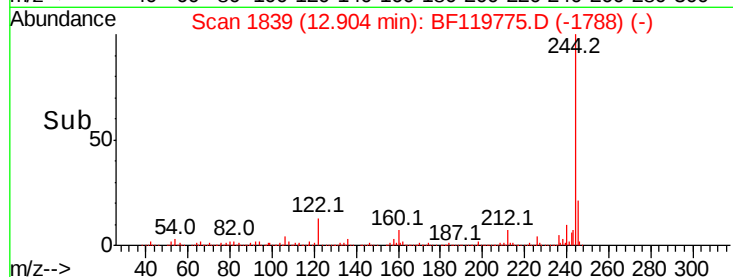
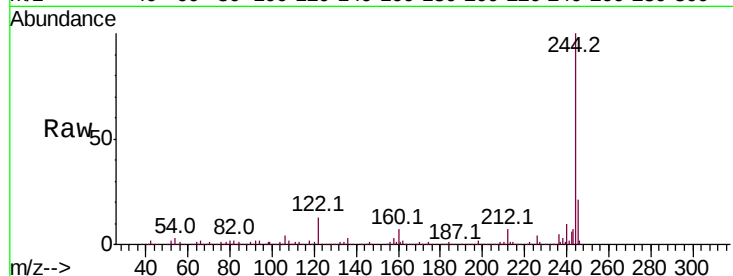
Tot Ion:244 Resp: 2621164

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

122 13.0 10.3 15.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF119775.D

Acq: 6 Apr 2020 16:44

Tgt Ion:264 Resp: 448833

Ion Ratio Lower Upper

264 100

260 24.6 18.7 28.1

265 22.2 17.7 26.5

