

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121015.D
 Acq On : 24 Jul 2020 21:21
 Operator : JU/CG
 Sample : L3383-29
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:50:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	139297	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	473794	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	225679	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	375131	20.00	ng	0.00
76) Chrysene-d12	13.97	240	336014	20.00	ng	0.00
86) Perylene-d12	15.42	264	390354	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	682148	80.28	ng	0.00
7) Phenol-d6	6.45	99	807778	73.59	ng	0.00
23) Nitrobenzene-d5	7.37	82	493476	60.27	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	181493	73.47	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	965829	63.90	ng	0.00
79) Terphenyl-d14	12.92	244	787208	50.93	ng	0.00

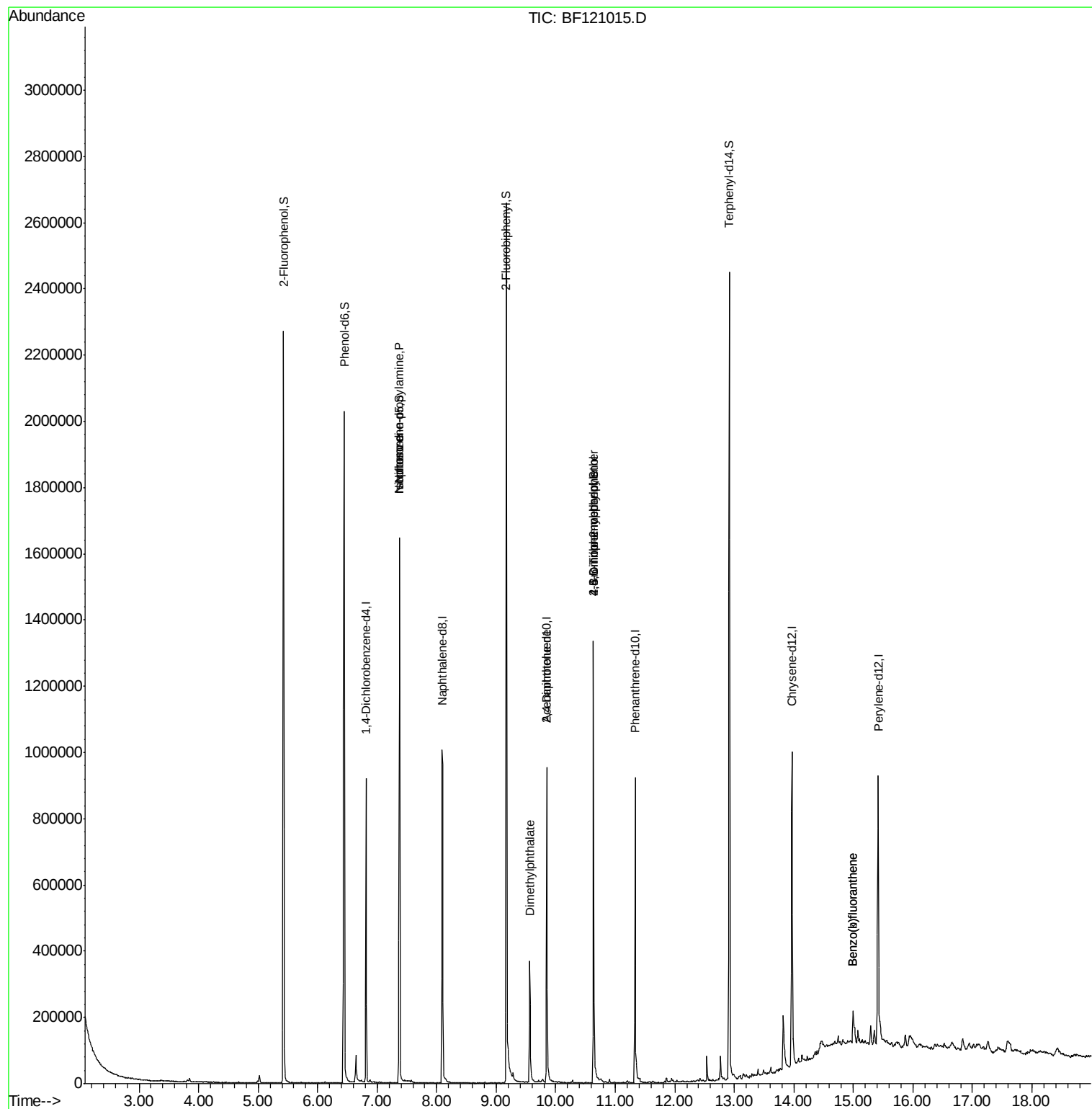
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1171	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	64472	10.330	ng	# 79
25) Isophorone	7.37	82	493470	30.197	ng	# 63
50) Dimethylphthalate	9.56	163	174336	10.708	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	28674	6.242	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.63	198	132	3.898	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	10617	2.538	ng	# 1
88) Benzo(b)fluoranthene	14.99	252	72082	3.055	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	72082	3.350	ng	# 96

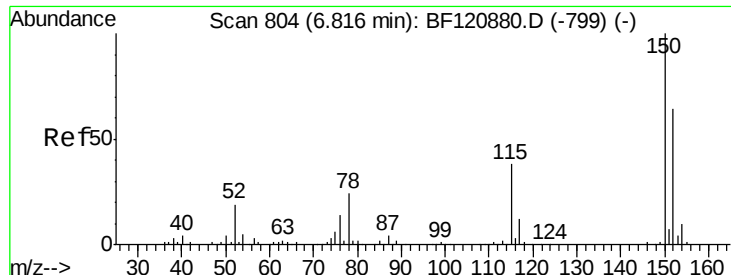
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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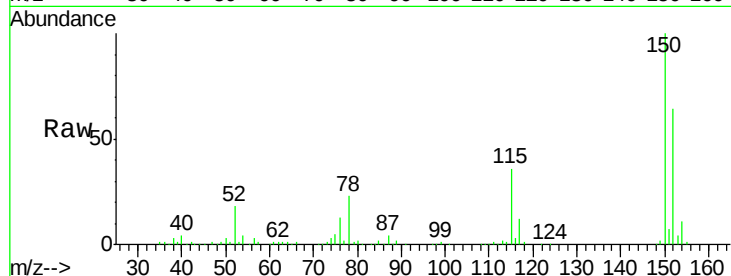


#1

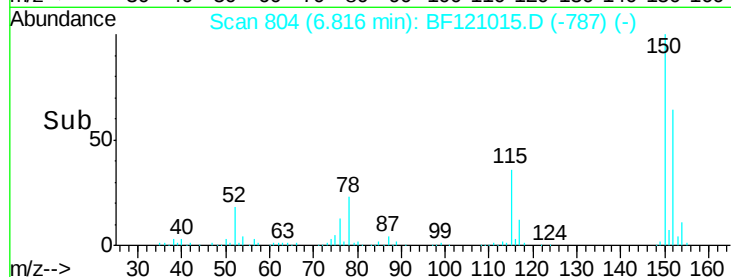
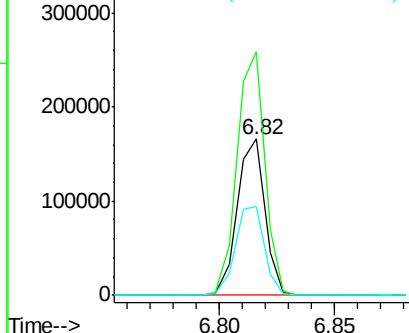
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	125.0	187.6
115	56.5	47.0	70.4



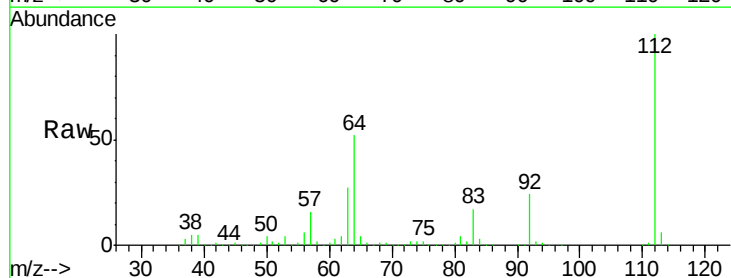
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



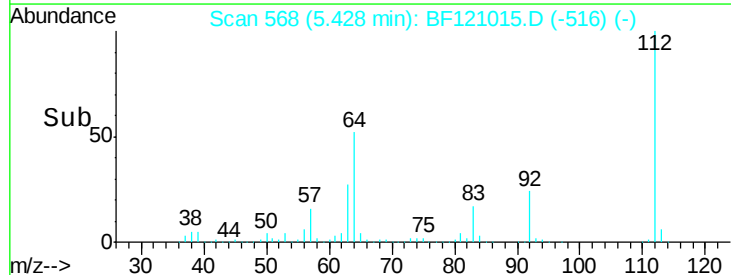
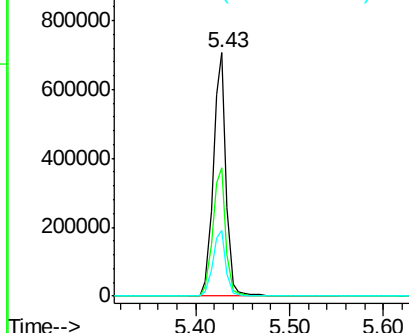
#5

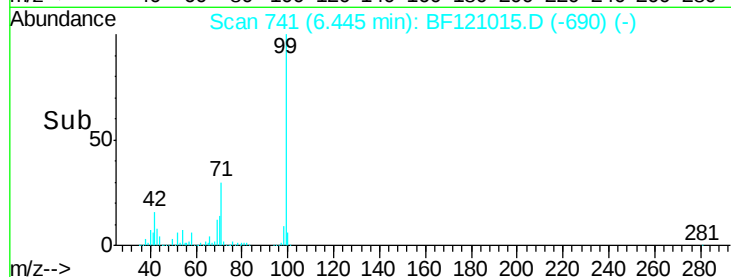
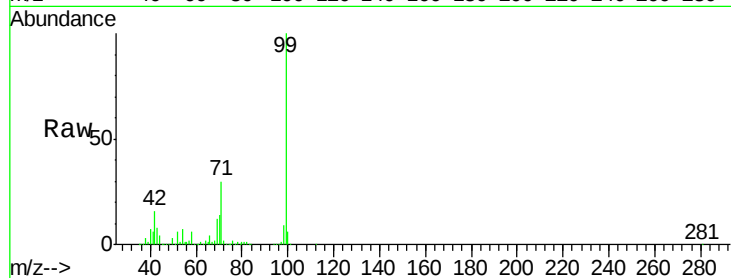
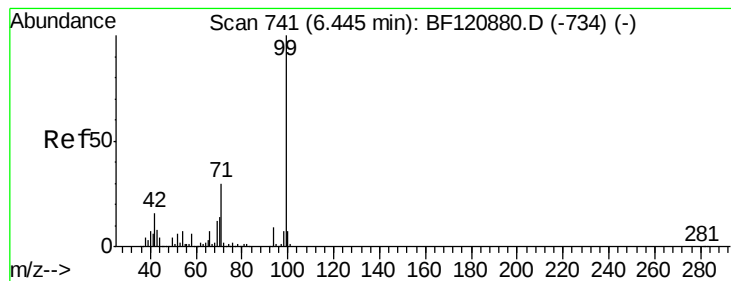
2-Fluorophenol
 Concen: 80.281 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.3	61.9
63	27.2	21.1	31.7



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: 73.595 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

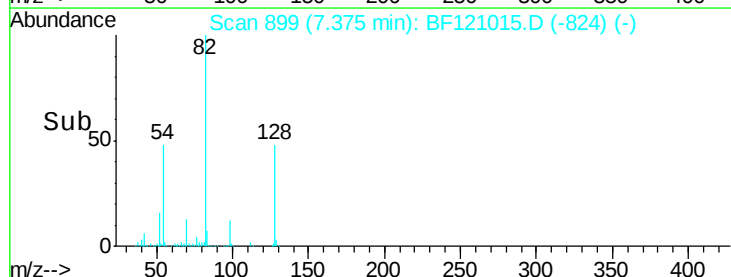
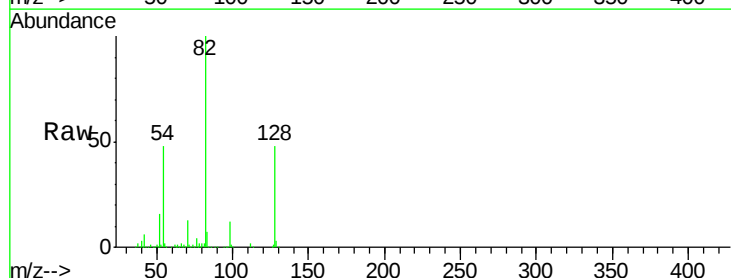
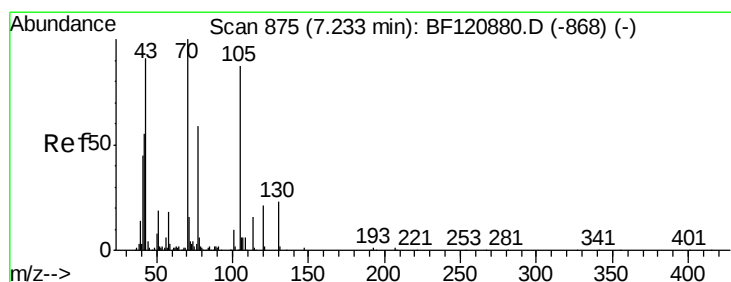
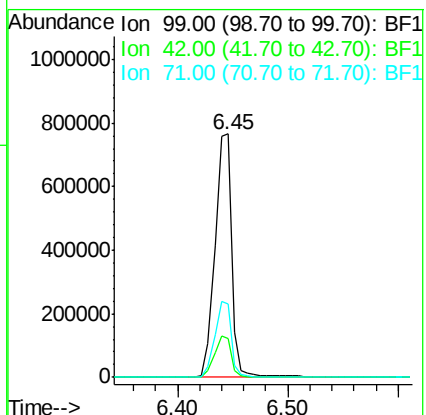
Tot Ion: 99 Resp: 807778

Ion Ratio Lower Upper

99 100

42 16.0 13.1 19.7

71 30.2 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.330 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Tgt Ion: 70 Resp: 64472

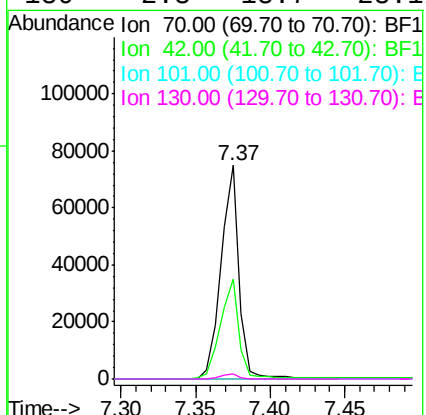
Ion Ratio Lower Upper

70 100

42 46.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.3 18.7 28.1#

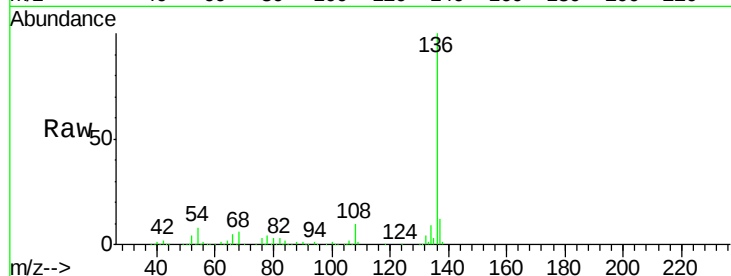




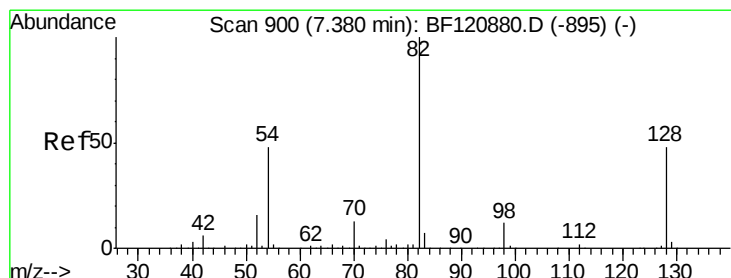
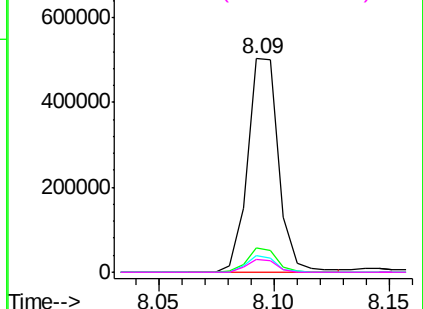
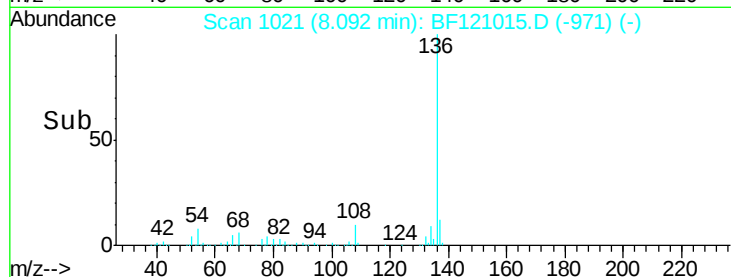
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	473794
Ion Ratio	Lower	Upper
136 100		
137 11.5	9.3	13.9
54 7.9	6.3	9.5
68 6.2	5.0	7.4

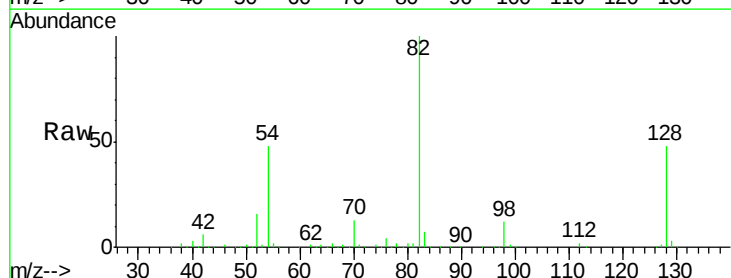


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

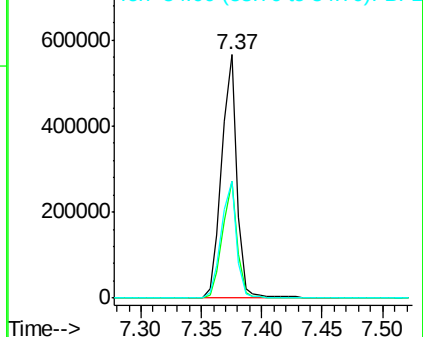
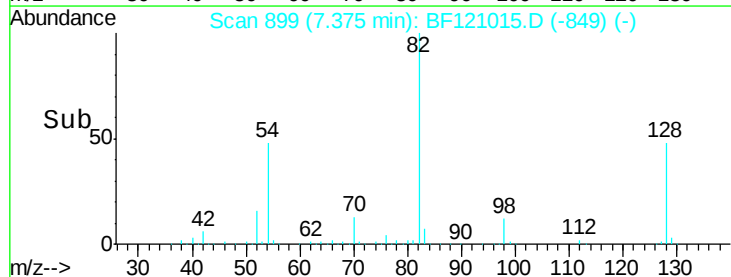


#23
Nitrobenzene-d5
Concen: 60.267 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Tgt Ion: 82	Resp: 493476
Ion Ratio	Lower Upper
82 100	
128 48.2	38.2 57.4
54 48.2	38.7 58.1



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: 30.197 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

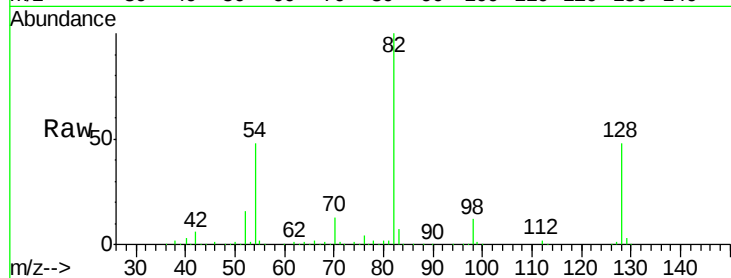
Tot Ion: 82 Resp: 493470

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

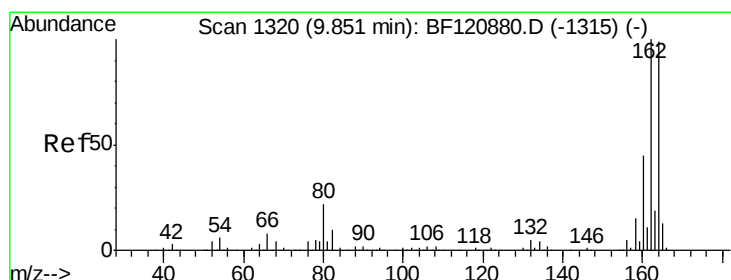
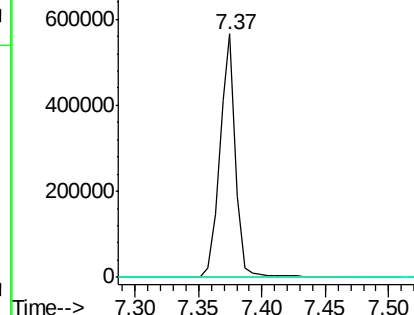
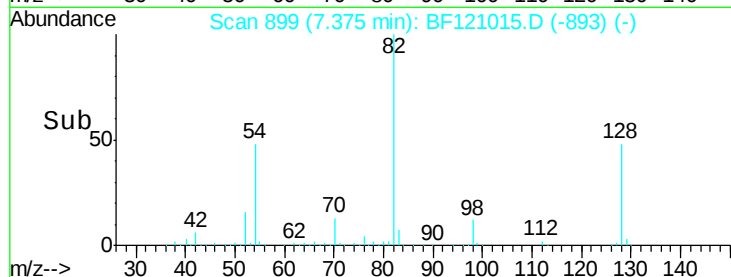
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

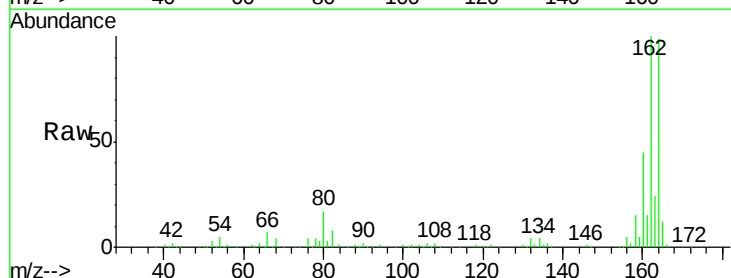
Tgt Ion:164 Resp: 225679

Ion Ratio Lower Upper

164 100

162 101.2 81.2 121.8

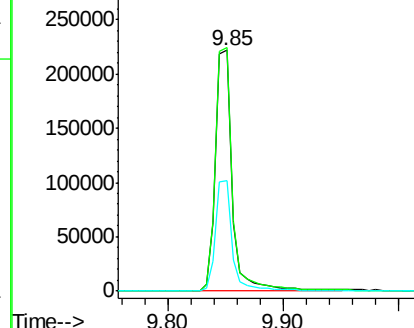
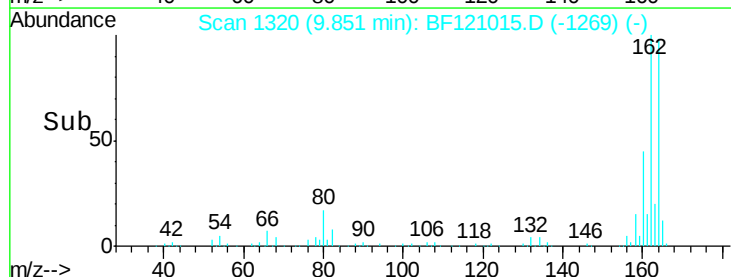
160 45.8 36.9 55.3



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

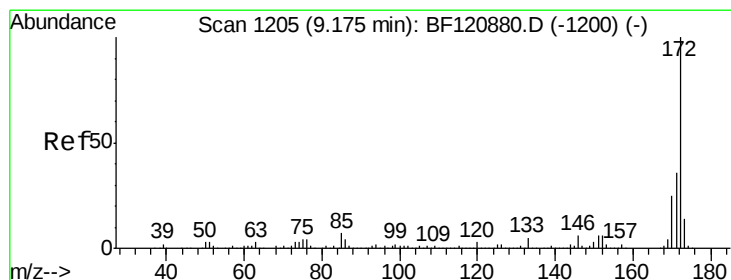
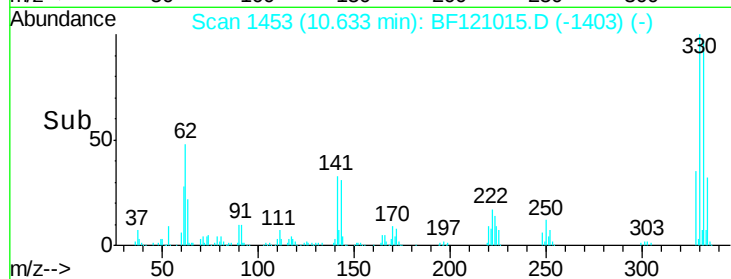
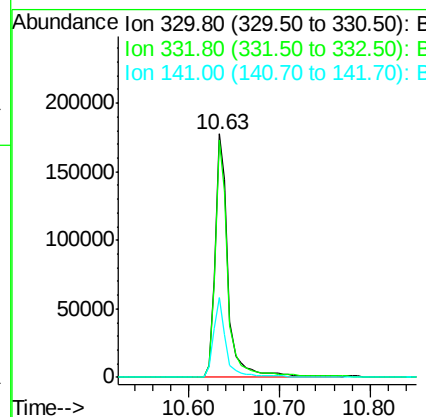
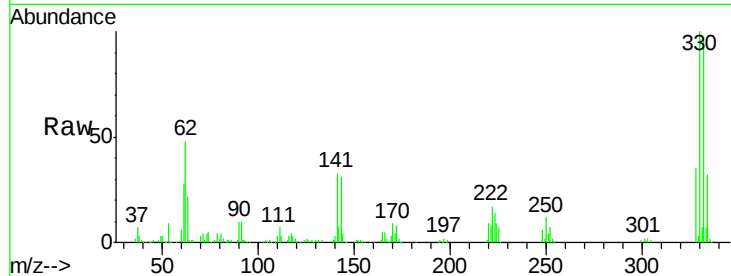




#42
 2,4,6-Tribromophenol
 Concen: 73.471 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

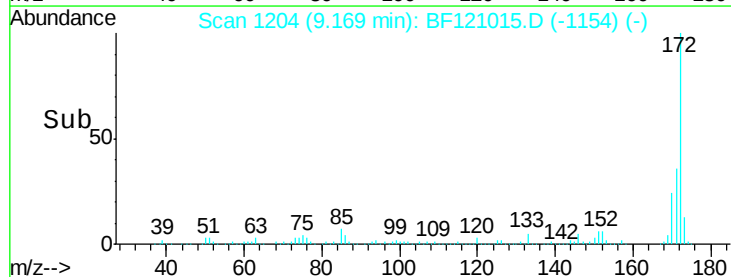
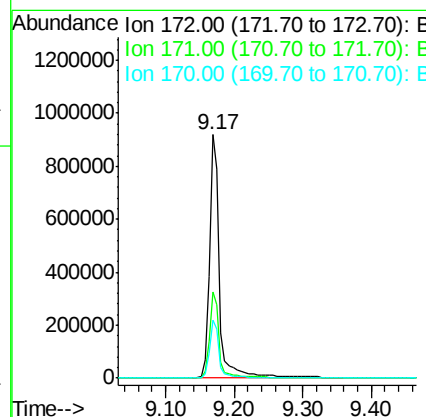
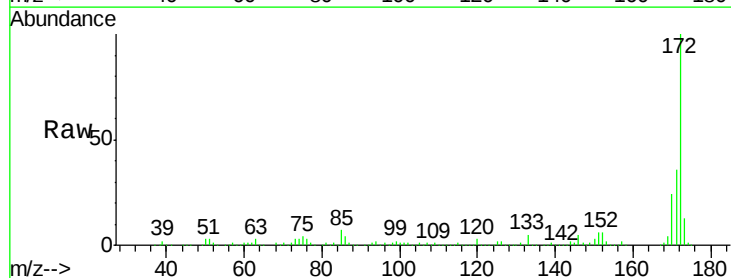
Instrument :
 BNA_F
 ClientSampleId :

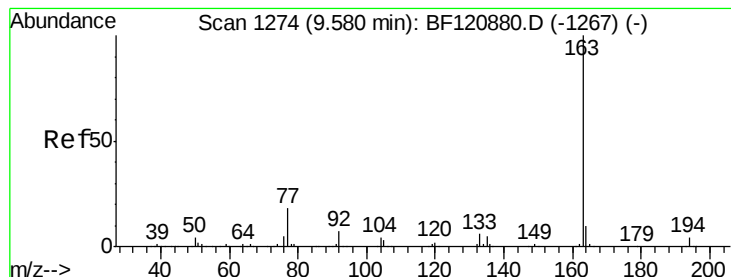
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.5	113.3
141	32.2	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 63.897 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.7	19.6	29.4





#50

Dimethylphthalate

Concen: 10.708 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

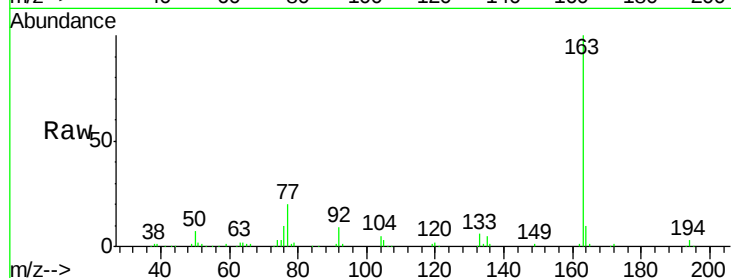
Tot Ion:163 Resp: 174336

Ion Ratio Lower Upper

163 100

194 3.5 3.2 4.8

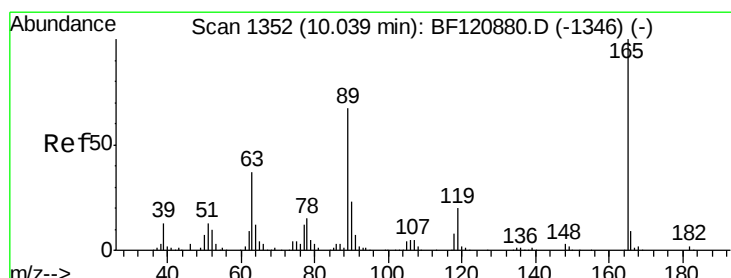
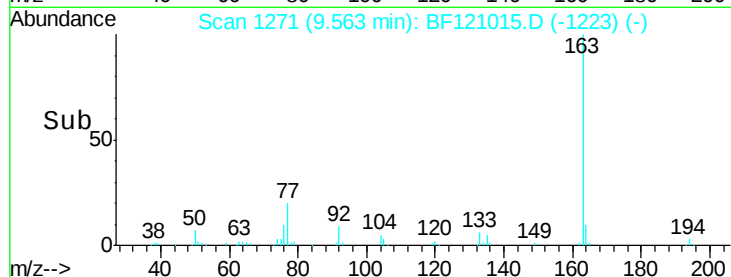
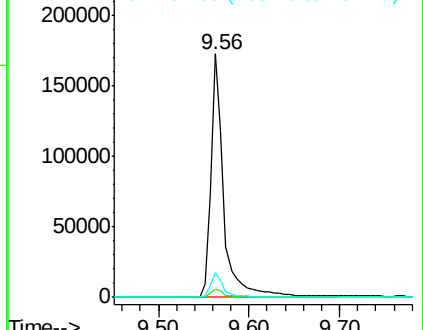
164 10.0 7.9 11.9



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: 6.242 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Tgt Ion:165 Resp: 28674

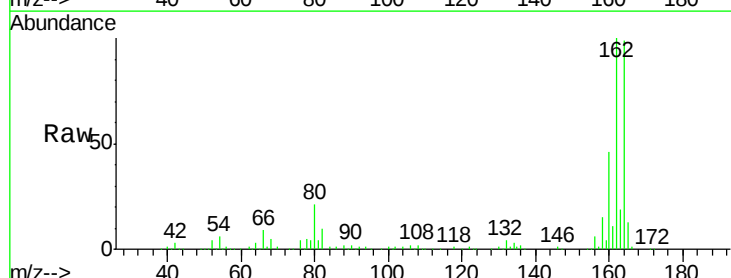
Ion Ratio Lower Upper

165 100

63 1.2 29.4 44.2#

89 1.5 53.4 80.0#

182 0.0 1.8 2.6#

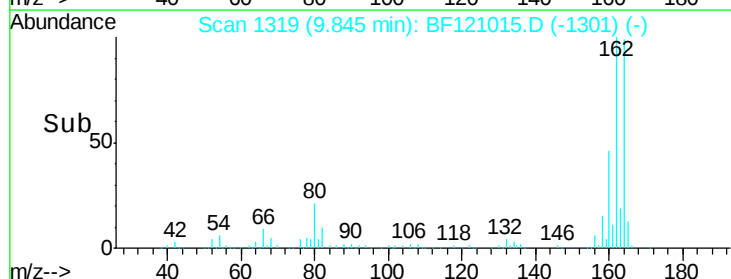
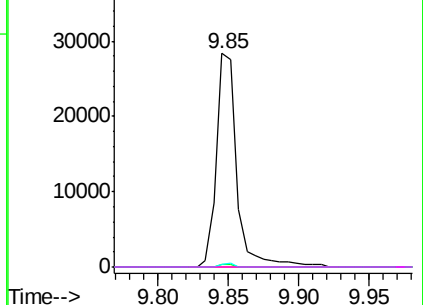


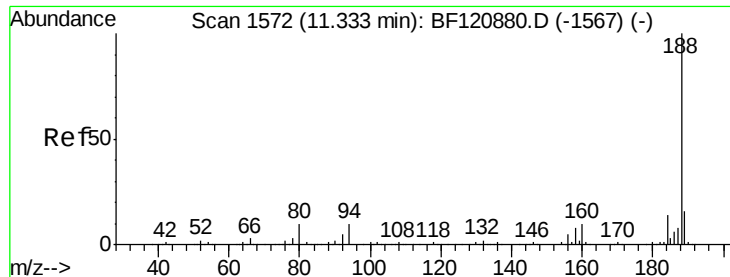
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

Instrument :

BNA_F

ClientSampleId :

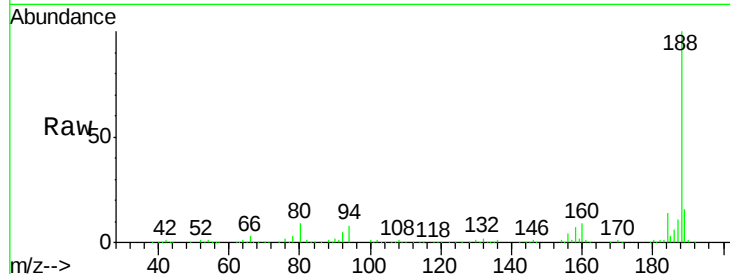
Tot Ion:188 Resp: 375131

Ion Ratio Lower Upper

188 100

94 8.2 8.0 12.0

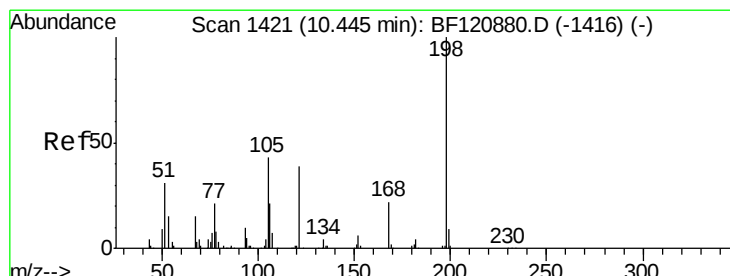
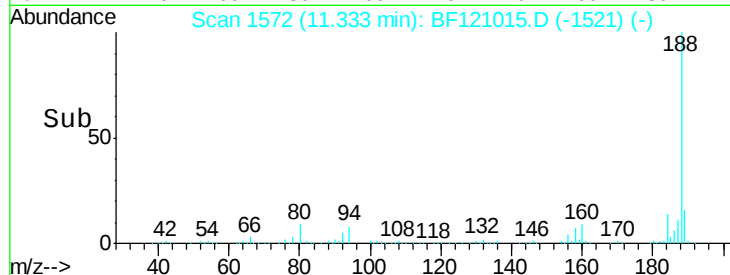
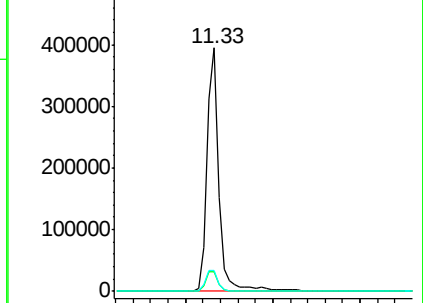
80 8.7 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.898 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121015.D

Acq: 24 Jul 2020 21:21

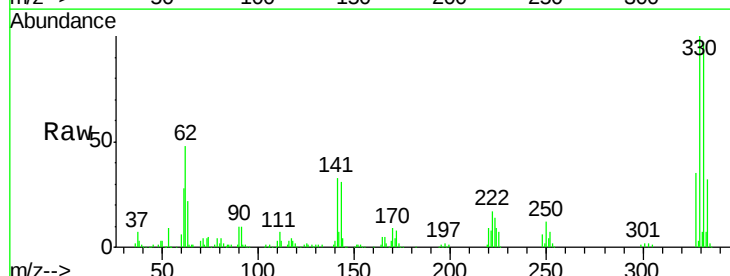
Tgt Ion:198 Resp: 132

Ion Ratio Lower Upper

198 100

51 217.7 19.5 59.5#

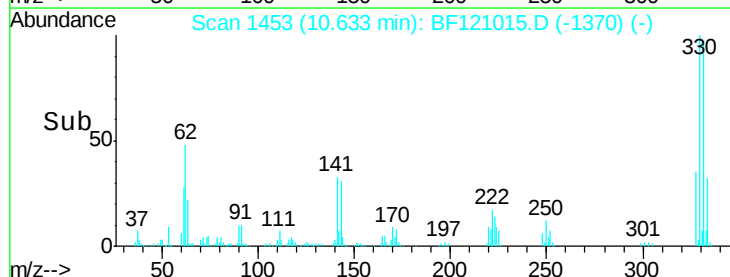
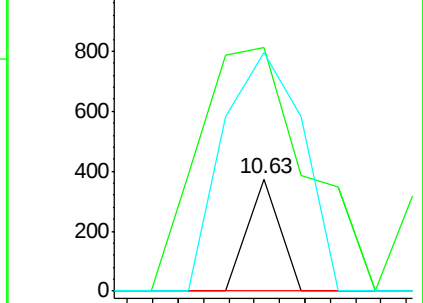
105 213.7 24.4 64.4#

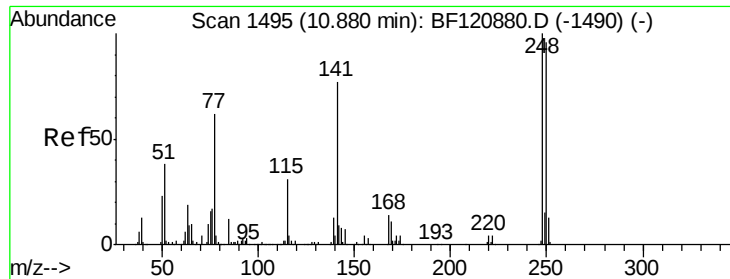


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

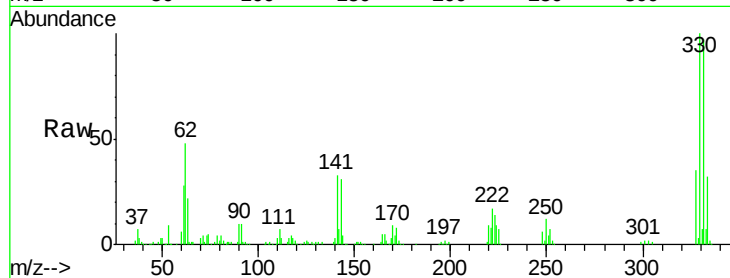




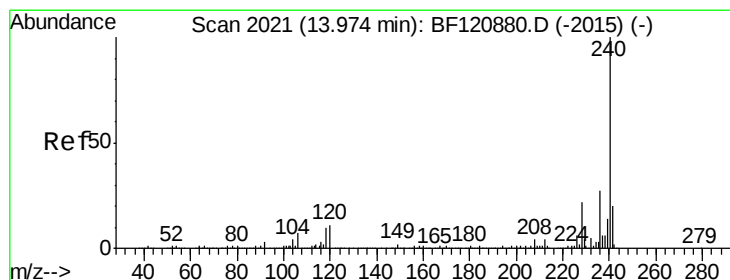
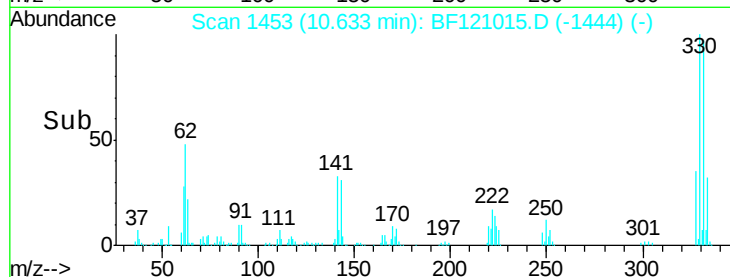
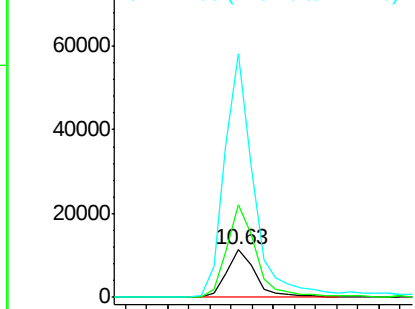
#67
4-Bromophenyl-phenylether
Concen: 2.538 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10617
Ion Ratio Lower Upper
248 100
250 195.7 77.1 115.7#
141 512.8 61.2 91.8#

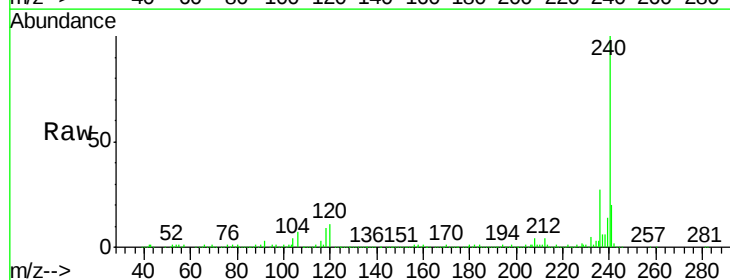


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

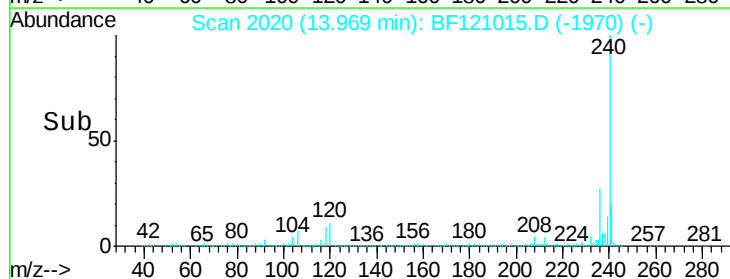
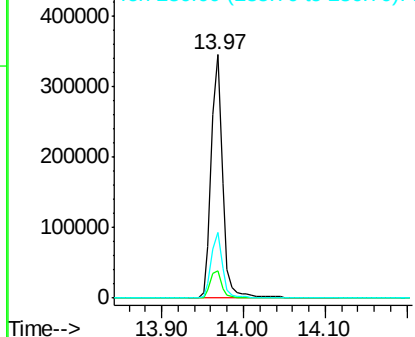


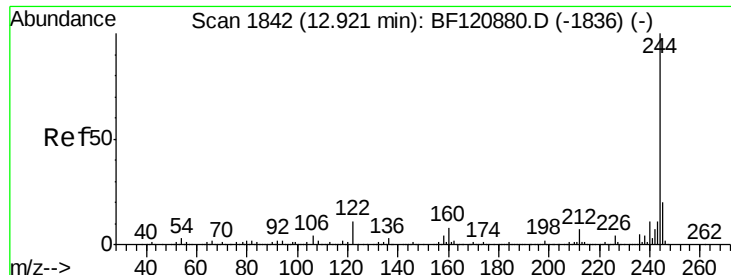
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Tgt Ion:240 Resp: 336014
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.4
236 27.0 21.7 32.5



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

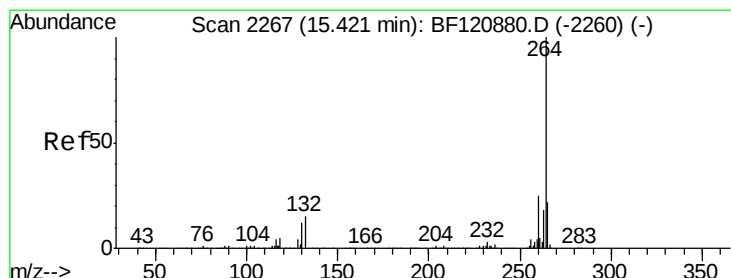
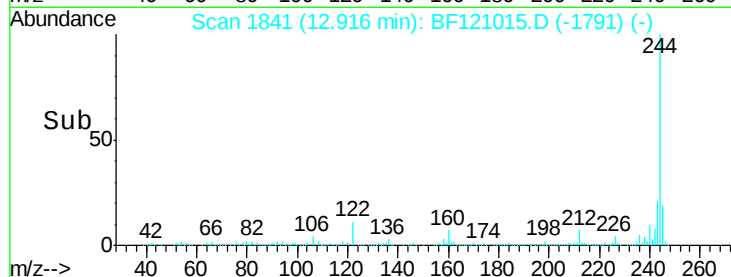
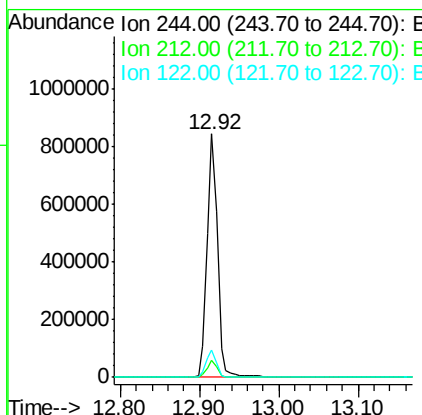
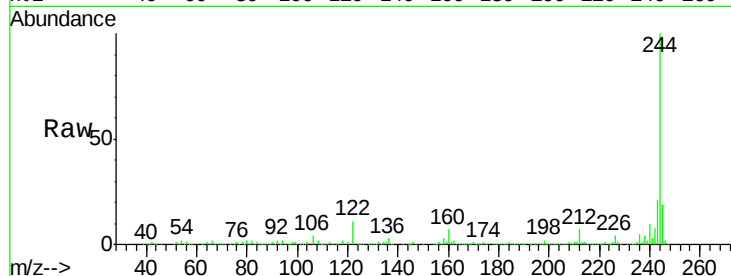




#79
 Terphenyl-d14
 Concen: 50.927 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

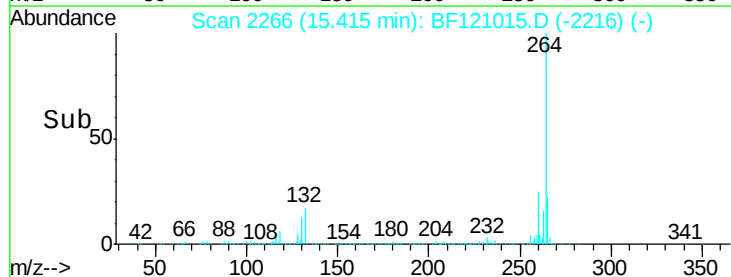
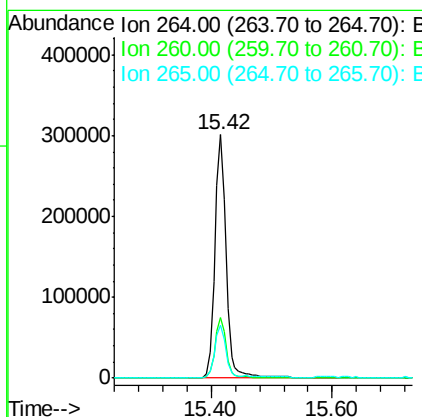
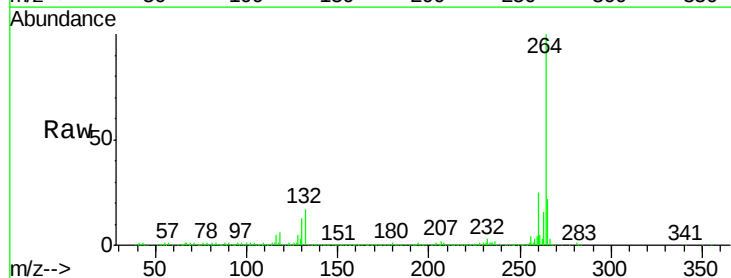
Instrument :
 BNA_F
 ClientSampleId :

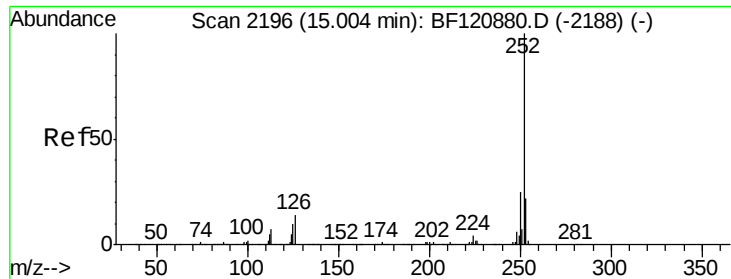
Tot Ion:244 Resp: 787208
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 11.3 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF121015.D
 Acq: 24 Jul 2020 21:21

Tgt Ion:264 Resp: 390354
 Ion Ratio Lower Upper
 264 100
 260 24.6 20.0 30.0
 265 21.7 17.4 26.2

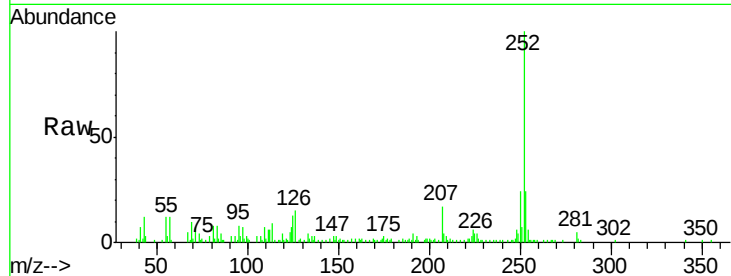




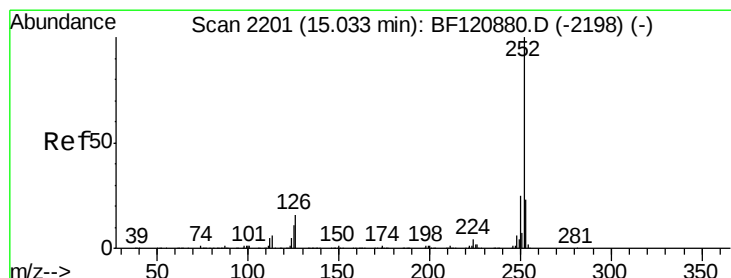
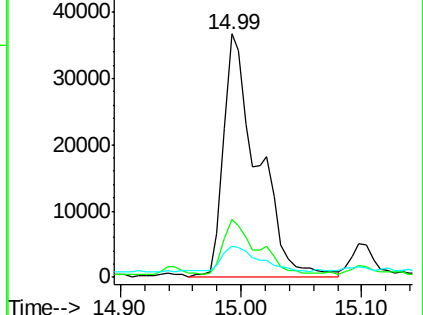
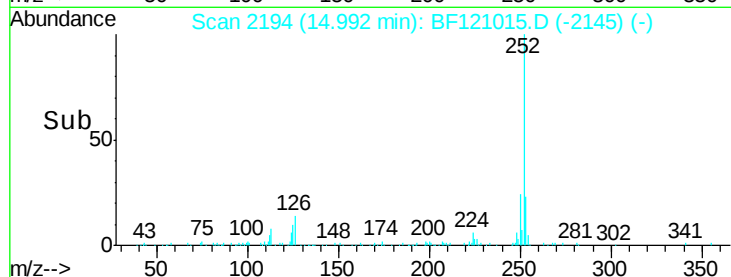
#88
Benzo(b)fluoranthene
Concen: 3.055 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	13.0	8.3	12.5#

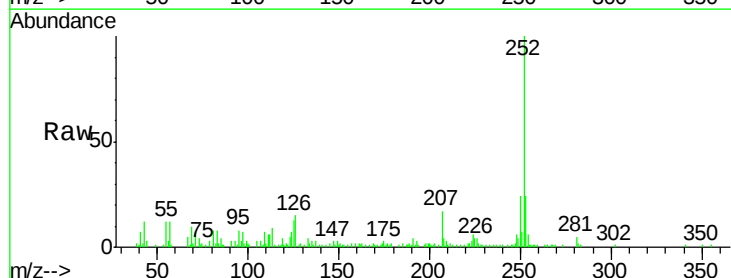


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.350 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF121015.D
Acq: 24 Jul 2020 21:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	13.0	8.4	12.6#



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

