

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF071320\
 Data File : BF120851.D
 Acq On : 13 Jul 2020 14:14
 Operator : JU/CG
 Sample : L3184-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

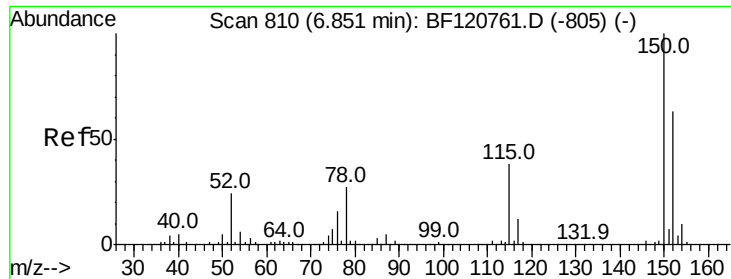
Quant Time: Jul 13 14:53:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	196727	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	736121	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	381283	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	705964	20.00	ng	0.00
76) Chrysene-d12	13.99	240	564840	20.00	ng	-0.01
86) Perylene-d12	15.45	264	465212	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1392976	109.30	ng	0.00
7) Phenol-d6	6.46	99	1493445	91.76	ng	0.00
23) Nitrobenzene-d5	7.39	82	1224204	96.35	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	516292	134.78	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1964639	77.96	ng	0.00
79) Terphenyl-d14	12.94	244	2244727	77.81	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	163956	16.731	ng	# 76
25) Isophorone	7.39	82	1220096	44.529	ng	# 64
32) Benzoic acid	7.79	122	1838	4.441	ng	90
48) 2-Nitroaniline	9.31	65	239	2.650	ng	# 5
50) Dimethylphthalate	9.58	163	299266	10.760	ng	100
51) 2,6-Dinitrotoluene	9.58	165	3284	2.843	ng	# 17
56) 4-Nitrophenol	10.07	139	139	2.118	ng	# 5
57) 2,4-Dinitrotoluene	9.87	165	48464	9.662	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.66	198	1235	7.363	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	30510	3.726	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.88	276	85885	2.878	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	68545	2.756	ng	98
92) Benzo(a,h,i)perylene	17.31	276	78479	3.453	ng	99

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

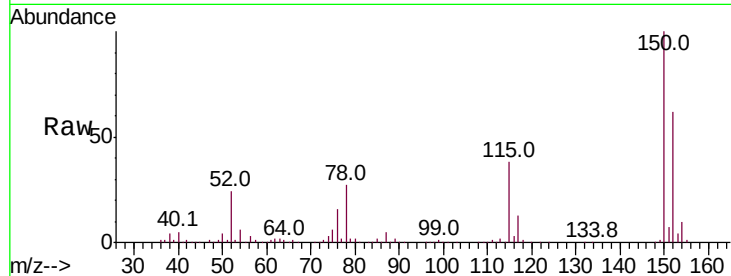


#1

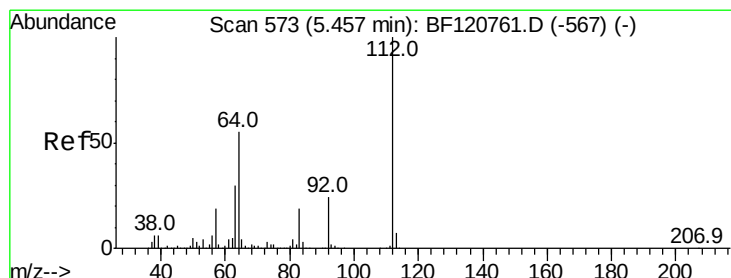
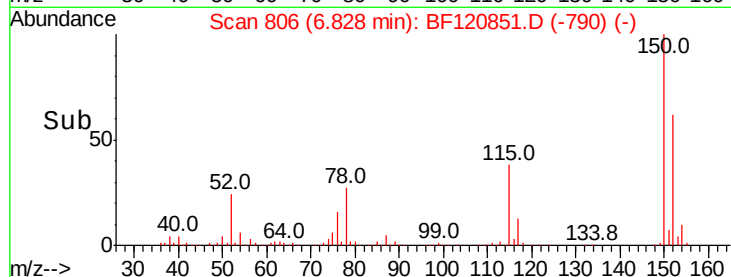
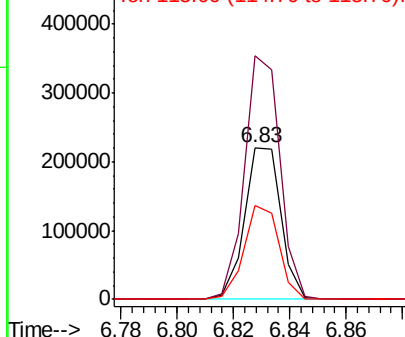
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

Tot Ion:152 Resp: 196727
Ion Ratio Lower Upper
152 100
150 160.7 126.1 189.1
115 61.8 48.5 72.7



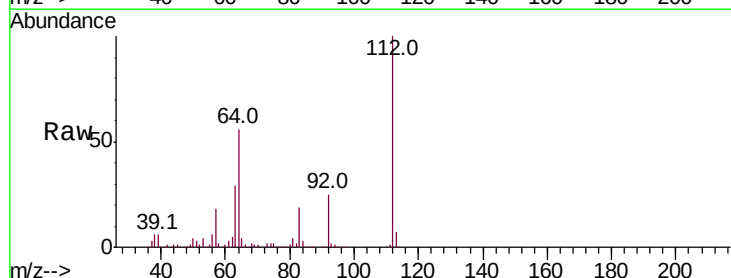
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



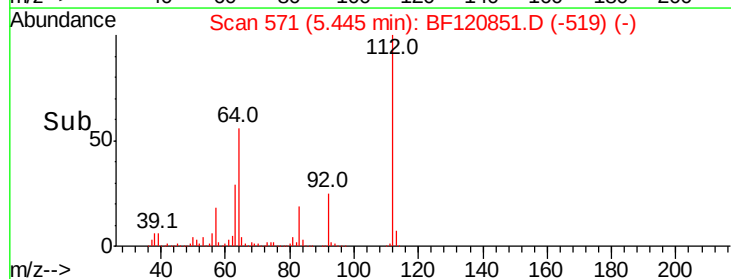
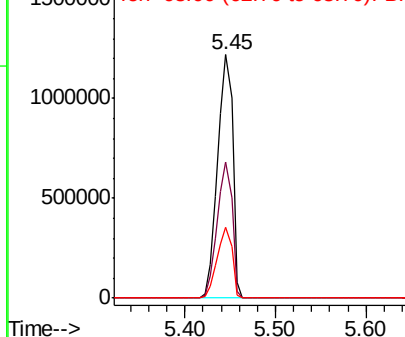
#5

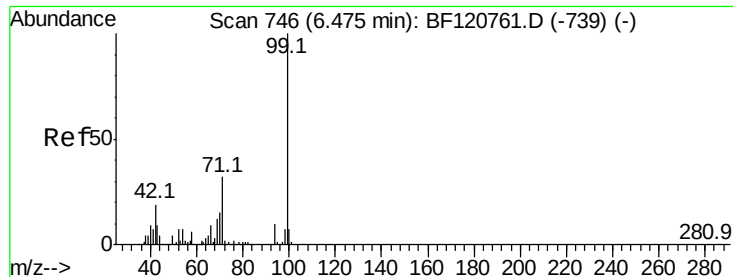
2-Fluorophenol
Concen: 109.302 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Tgt Ion:112 Resp: 1392976
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.6
63 29.2 23.6 35.4



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: 91.763 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

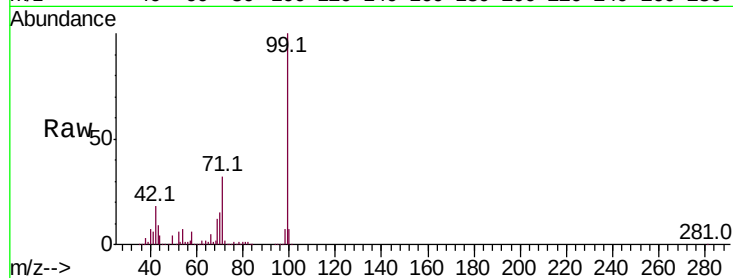
Tot Ion: 99 Resp: 1493445

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

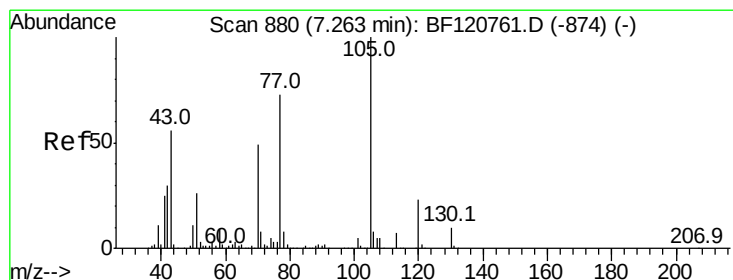
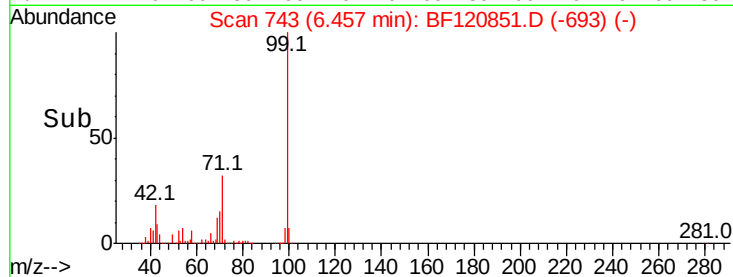
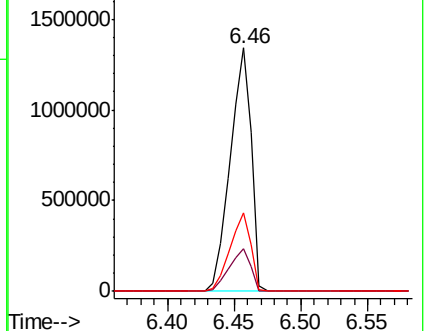
71 32.2 25.9 38.9



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: 16.731 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Tgt Ion: 70 Resp: 163956

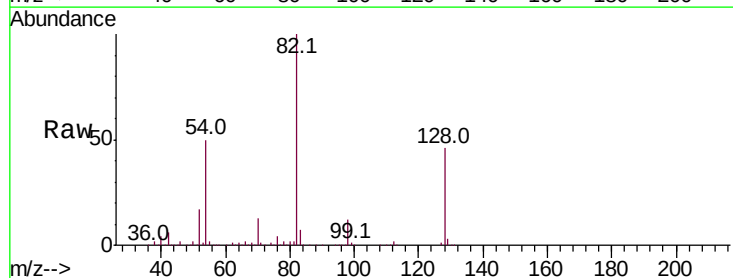
Ion Ratio Lower Upper

70 100

42 48.4 50.3 75.5#

101 0.0 7.5 11.3#

130 2.4 16.1 24.1#

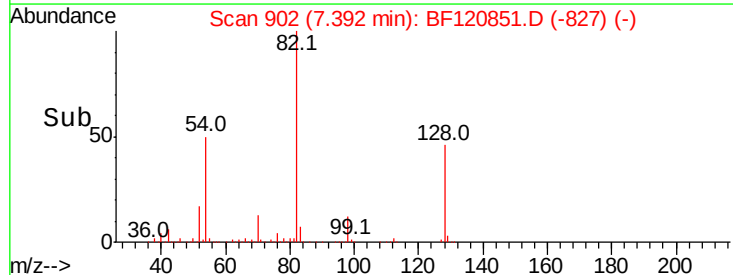
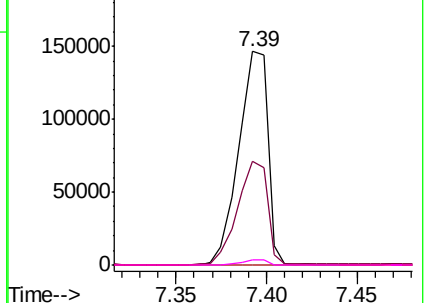


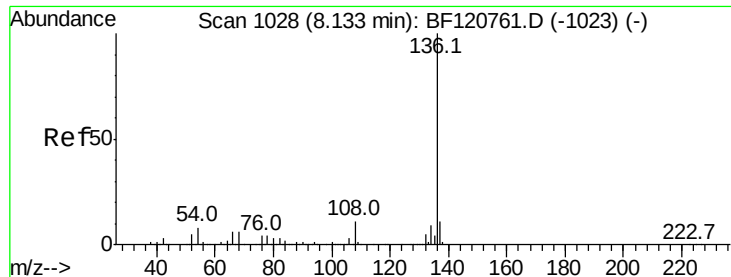
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

Tot Ion:136 Resp: 736121

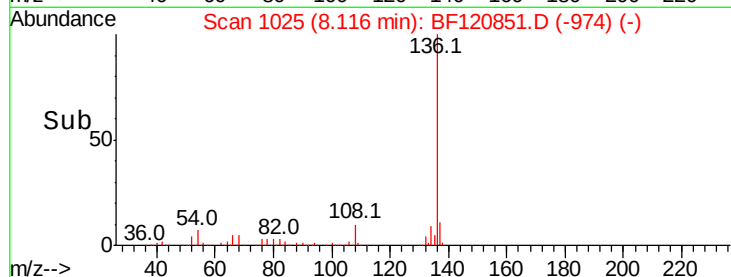
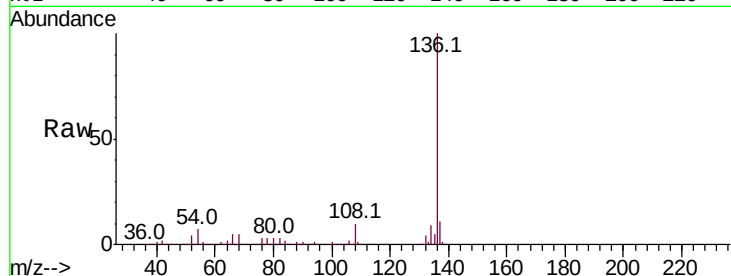
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 6.9 6.2 9.4

68 5.2 4.7 7.1

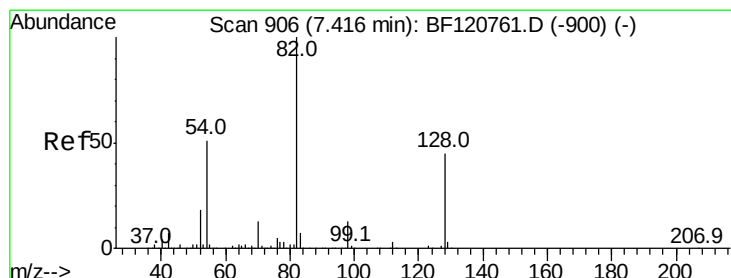
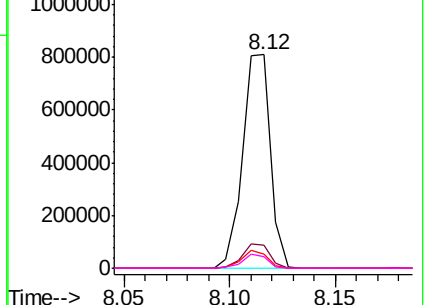


Abundance Ion 136.00 (135.70 to 136.70): E

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: 96.353 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

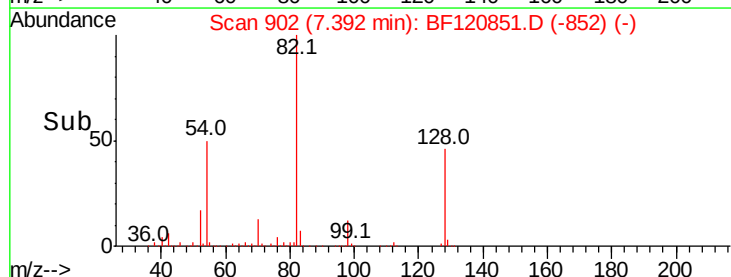
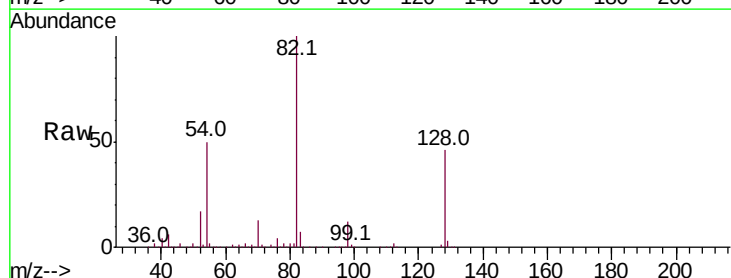
Tgt Ion: 82 Resp: 1224204

Ion Ratio Lower Upper

82 100

128 45.7 35.7 53.5

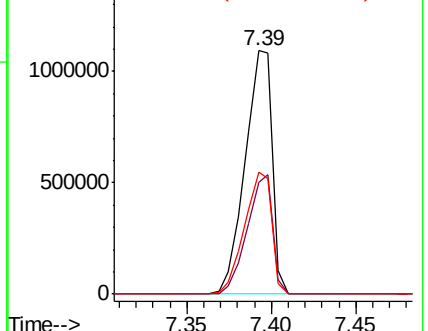
54 50.3 40.9 61.3

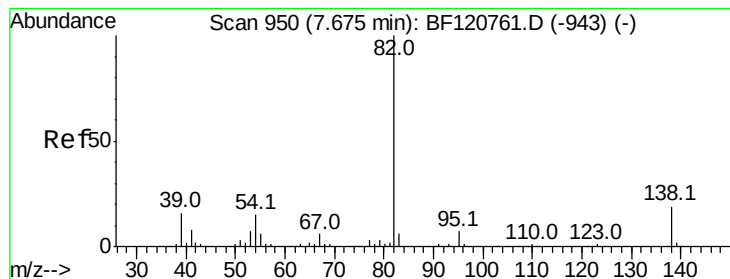


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.529 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

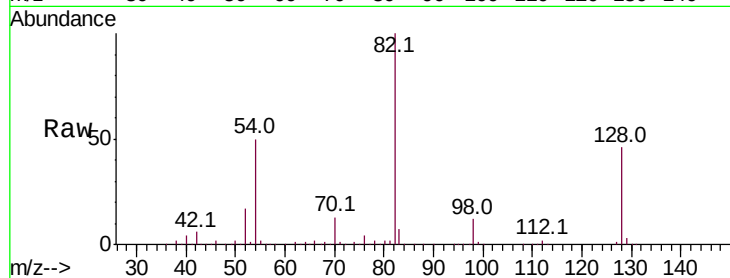
Tot Ion: 82 Resp: 1220096

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

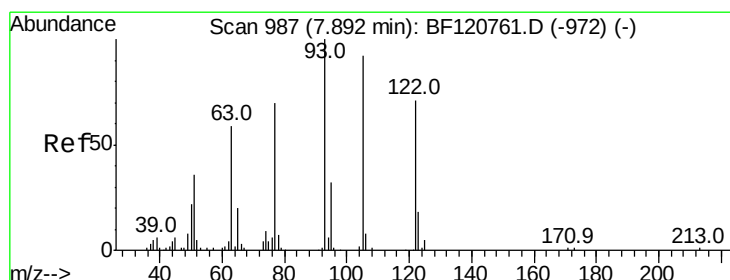
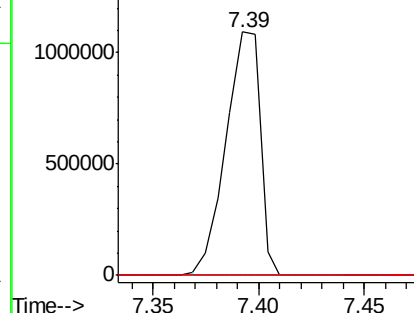
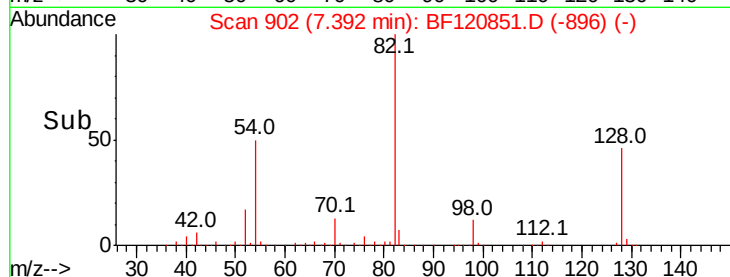
138 0.0 15.0 22.4#



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



#32

Benzoic acid

Concen: 4.441 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.09 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

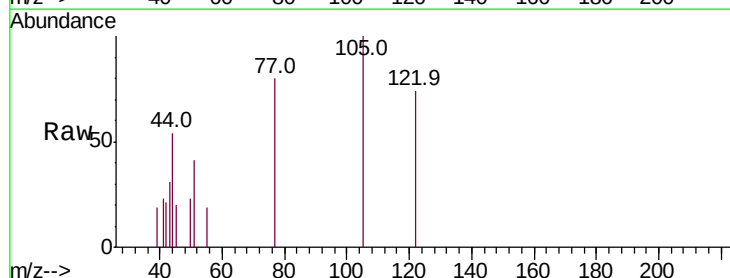
Tgt Ion:122 Resp: 1838

Ion Ratio Lower Upper

122 100

105 135.8 105.8 145.8

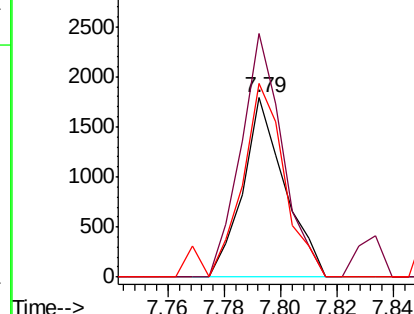
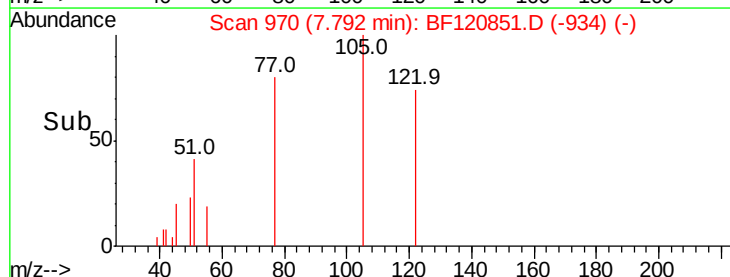
77 108.3 77.3 117.3

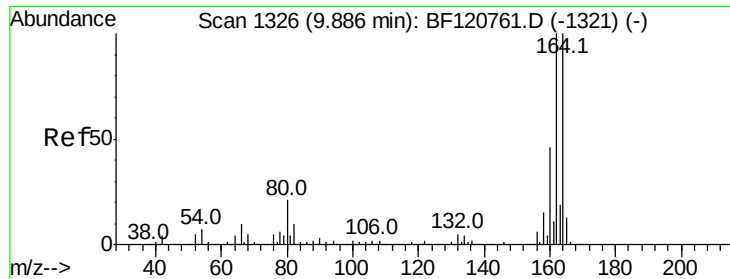


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

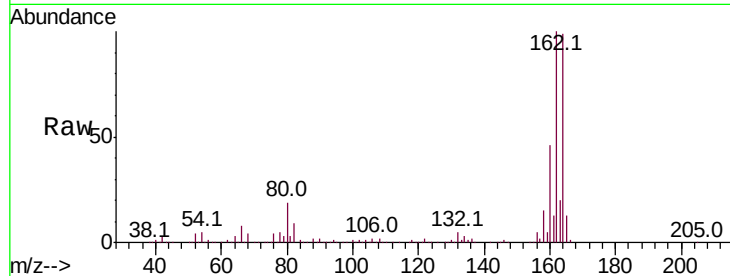




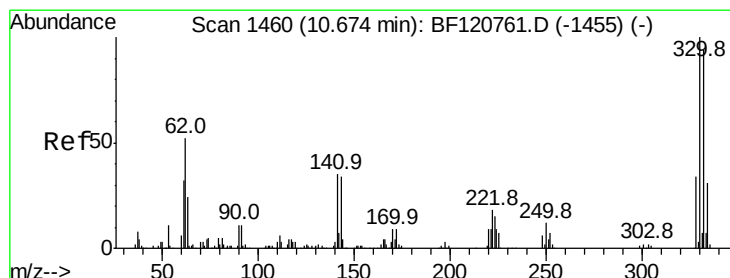
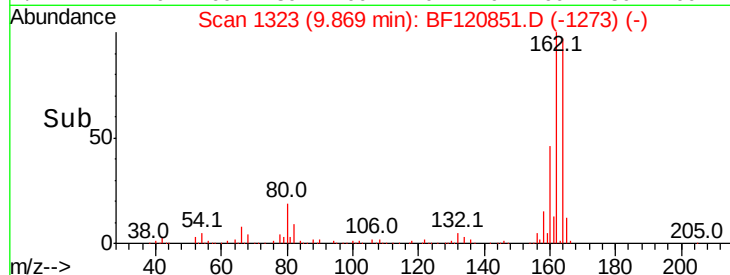
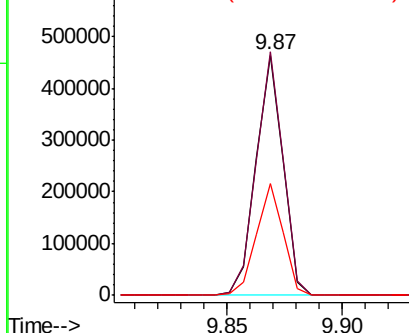
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF120851.D
 Acq: 13 Jul 2020 14:14

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

Tot Ion:164 Resp: 381283
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.2 120.2
 160 46.6 36.9 55.3

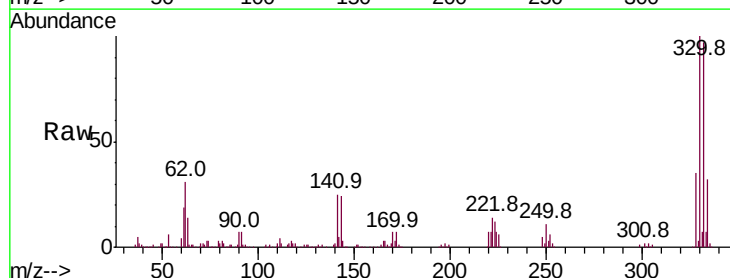


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

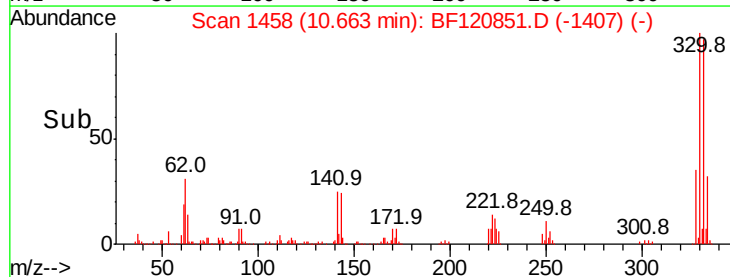
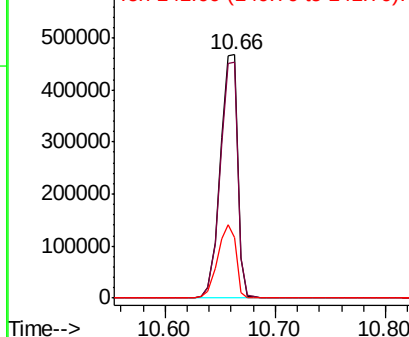


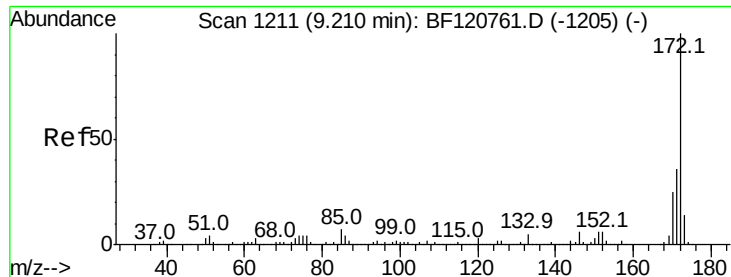
#42
 2,4,6-Tribromophenol
 Concen: 134.783 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: BF120851.D
 Acq: 13 Jul 2020 14:14

Tgt Ion:330 Resp: 516292
 Ion Ratio Lower Upper
 330 100
 332 96.9 75.8 113.6
 141 31.2 29.7 44.5



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

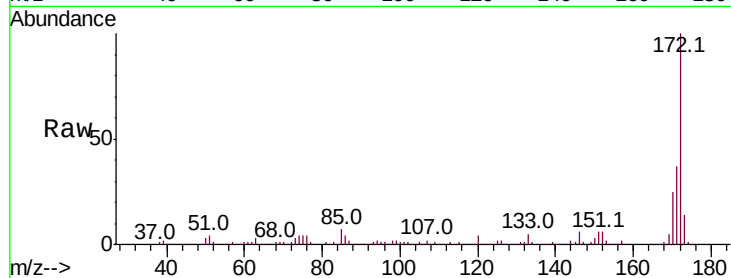




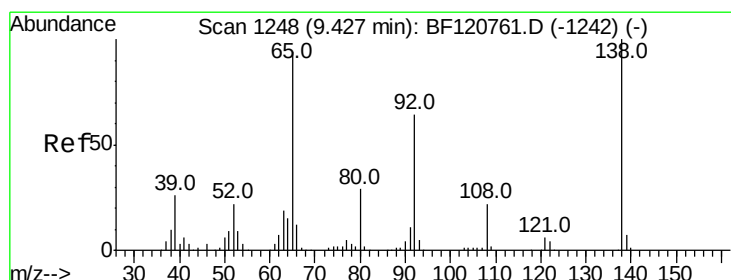
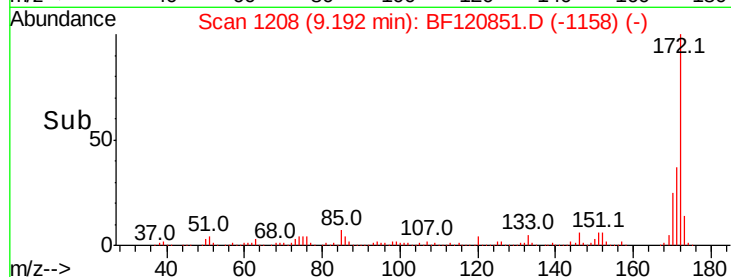
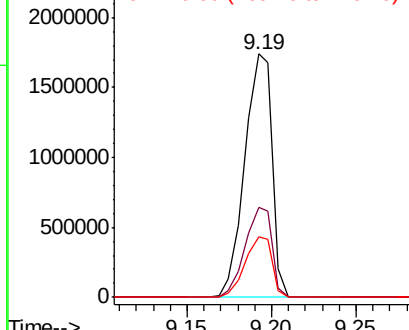
#45
2-Fluorobiphenyl
Concen: 77.958 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

Tot Ion:172 Resp: 1964639
Ion Ratio Lower Upper
172 100
171 37.1 29.1 43.7
170 24.9 19.8 29.6

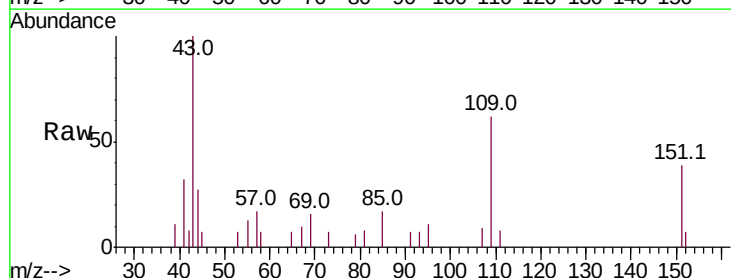


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

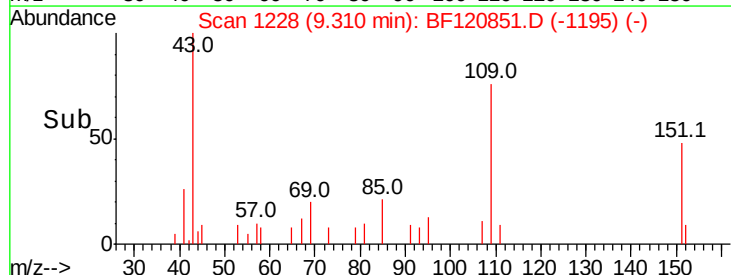
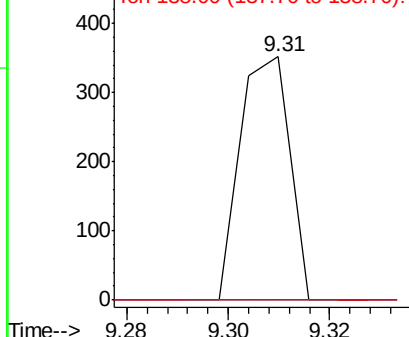


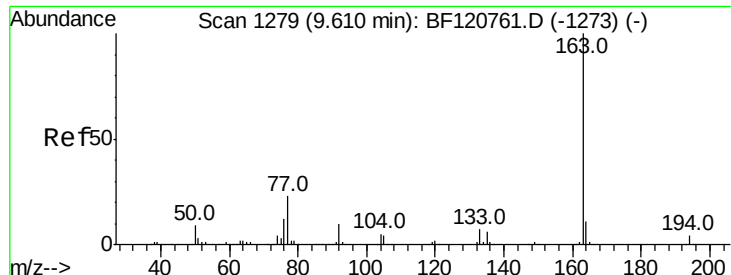
#48
2-Nitroaniline
Concen: 2.650 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.11 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Tgt Ion: 65 Resp: 239
Ion Ratio Lower Upper
65 100
92 0.0 54.4 81.6#
138 0.0 84.7 127.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 10.760 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

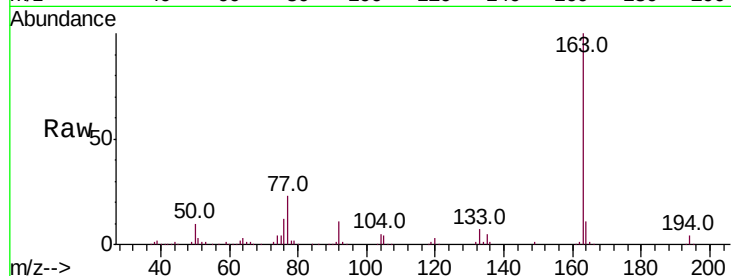
Tot Ion:163 Resp: 299266

Ion Ratio Lower Upper

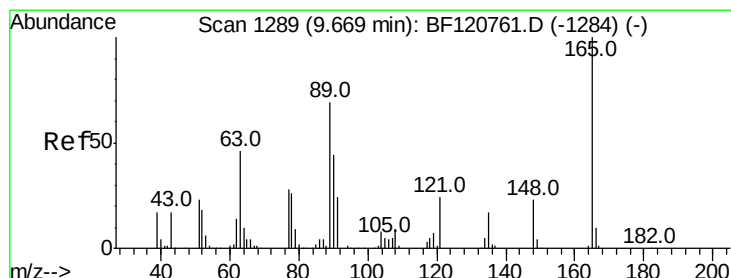
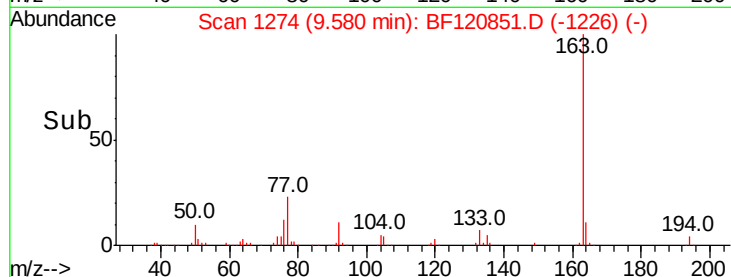
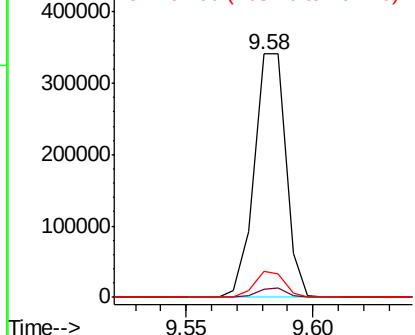
163 100

194 3.5 2.9 4.3

164 10.5 8.5 12.7



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: 2.843 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.08 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

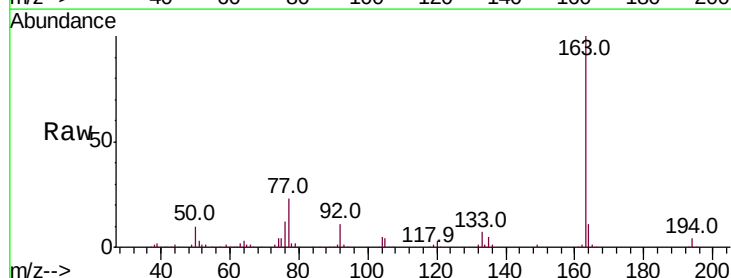
Tgt Ion:165 Resp: 3284

Ion Ratio Lower Upper

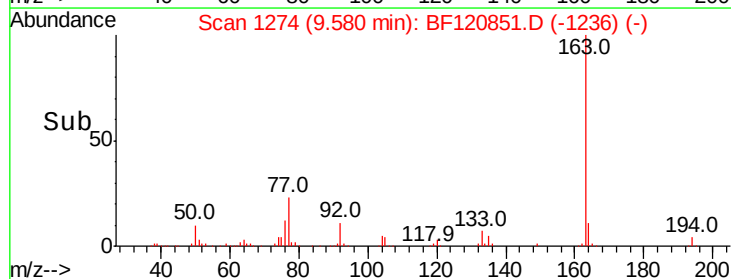
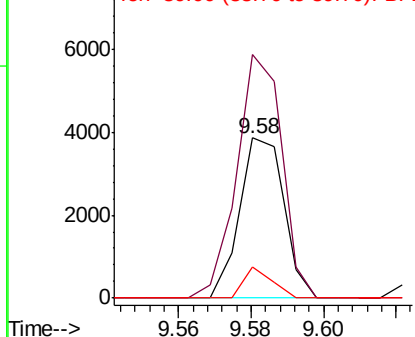
165 100

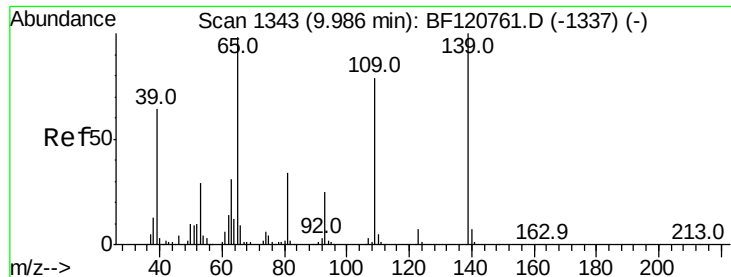
63 152.0 54.0 81.0#

89 19.6 55.4 83.2#



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





#56

4-Nitrophenol

Concen: 2.118 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.09 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

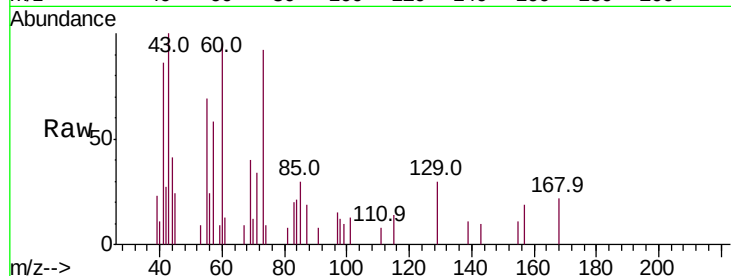
Tot Ion:139 Resp: 139

Ion Ratio Lower Upper

139 100

109 0.0 58.6 98.6#

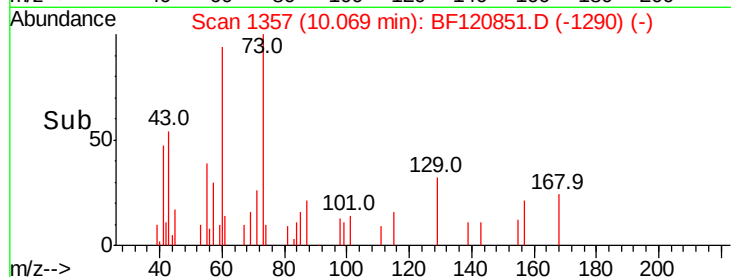
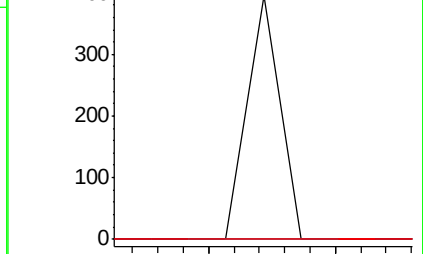
65 0.0 78.7 118.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 9.662 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.19 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Tgt Ion:165 Resp: 48464

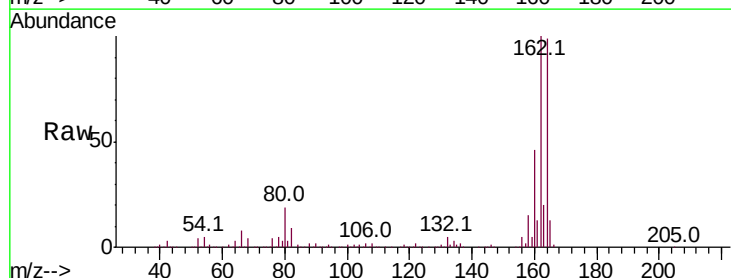
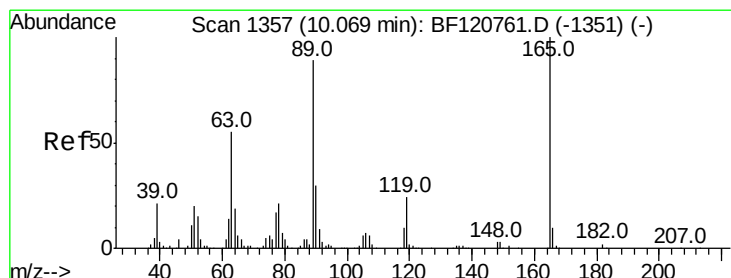
Ion Ratio Lower Upper

165 100

63 1.1 43.8 65.8#

89 1.4 71.4 107.2#

182 0.0 1.8 2.6#

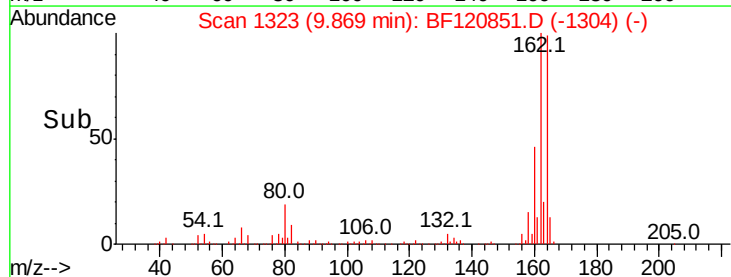
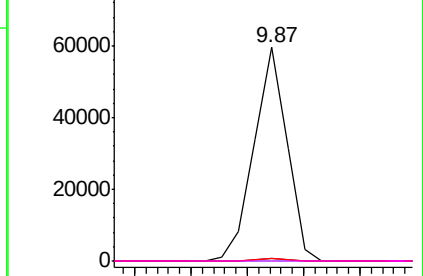


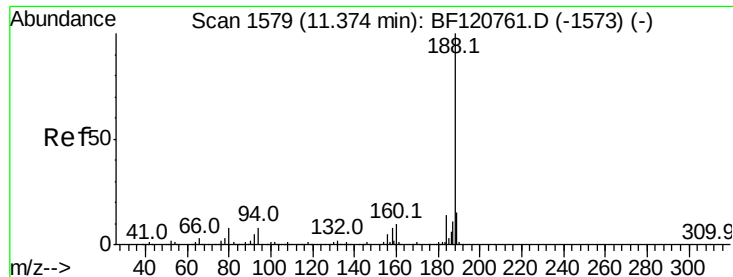
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

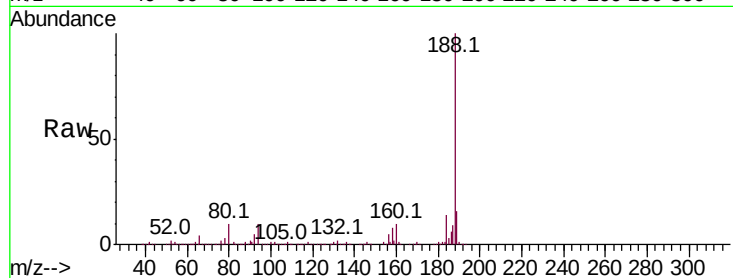
Tot Ion:188 Resp: 705964

Ion Ratio Lower Upper

188 100

94 9.9 6.6 9.8#

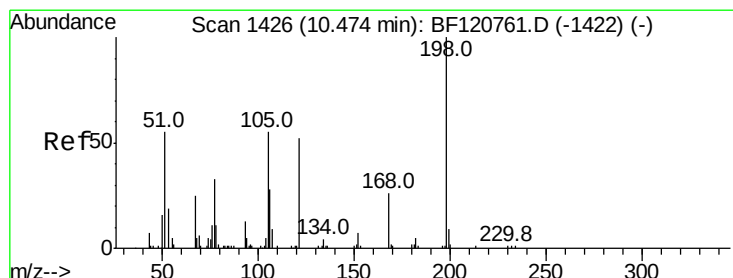
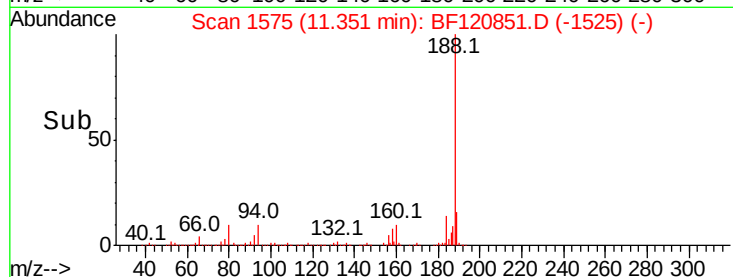
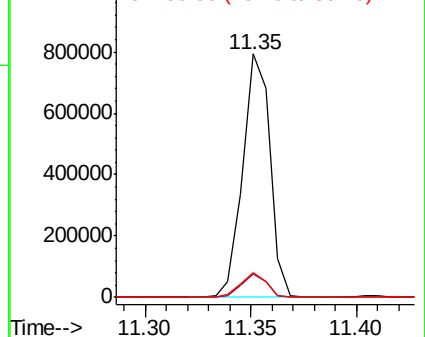
80 10.4 6.6 10.0#



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: 7.363 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.19 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

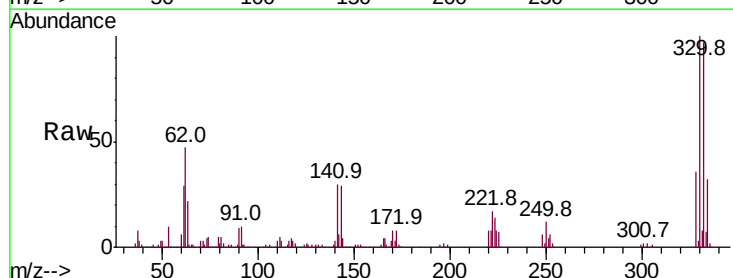
Tgt Ion:198 Resp: 1235

Ion Ratio Lower Upper

198 100

51 168.0 50.0 90.0#

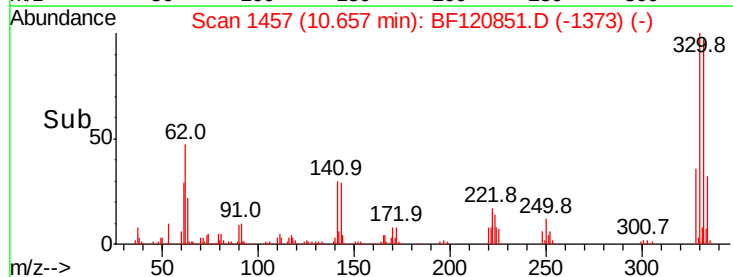
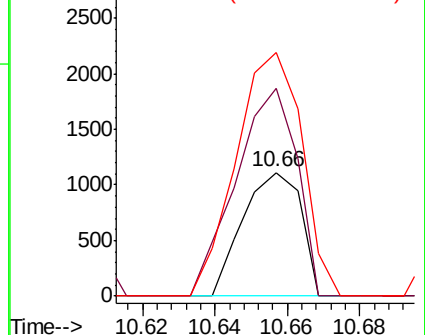
105 197.1 38.3 78.3#

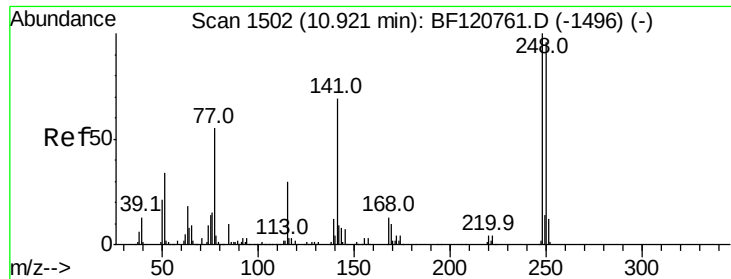


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

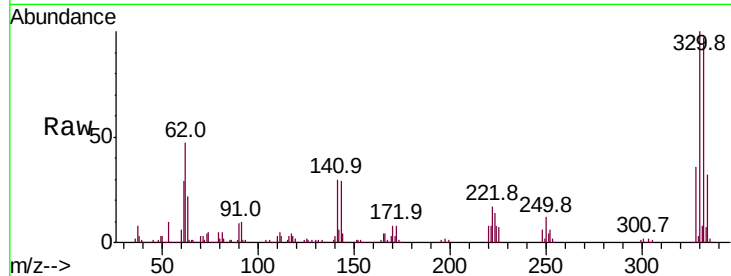




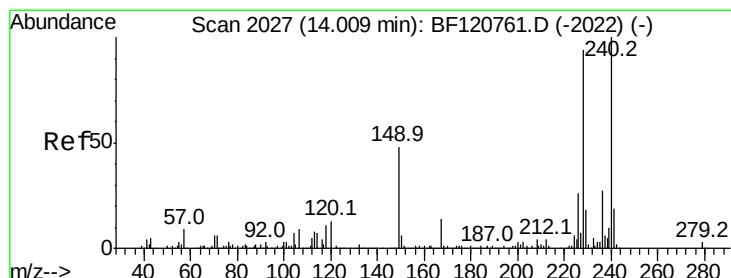
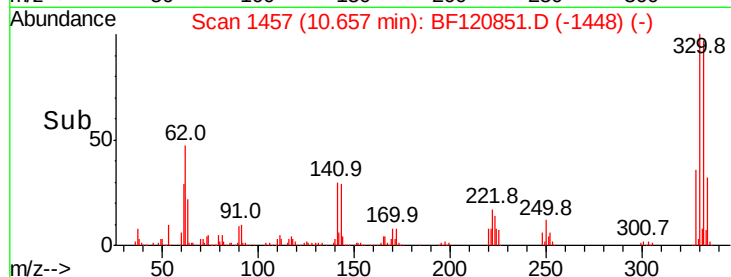
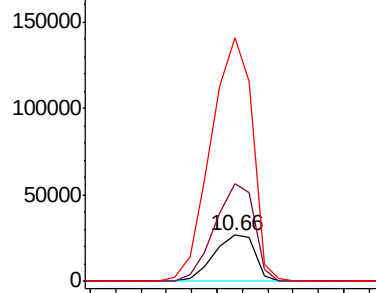
#67
4-Bromophenyl-phenylether
Concen: 3.726 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.25 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Instrument :
BNA_F
ClientSampleId :
EO-02-070920

Tot Ion:248 Resp: 30510
Ion Ratio Lower Upper
248 100
250 209.8 76.5 114.7#
141 525.2 54.9 82.3#

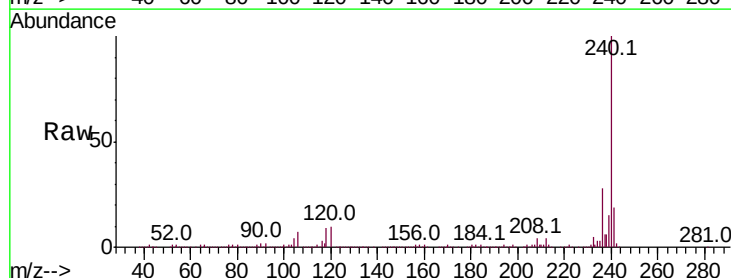


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

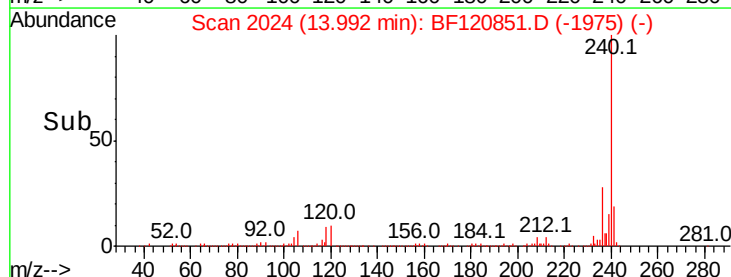
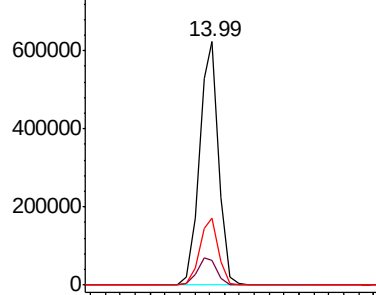


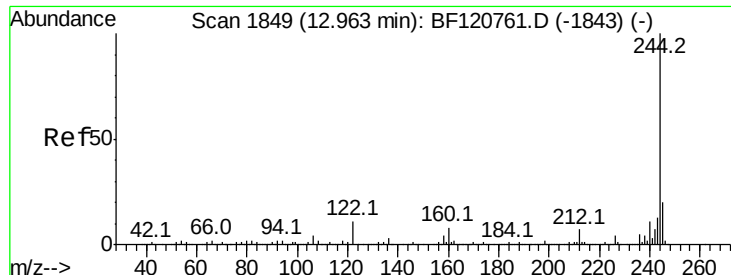
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120851.D
Acq: 13 Jul 2020 14:14

Tgt Ion:240 Resp: 564840
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 27.6 21.4 32.2



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: 77.808 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

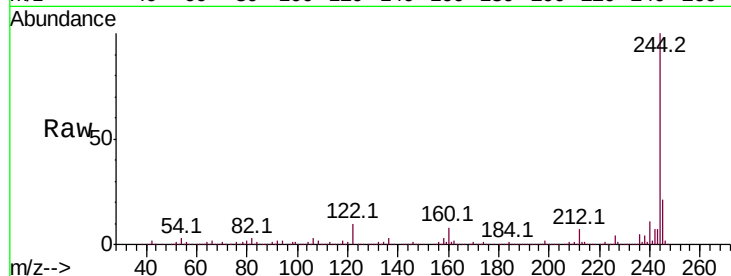
Tot Ion:244 Resp: 2244727

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

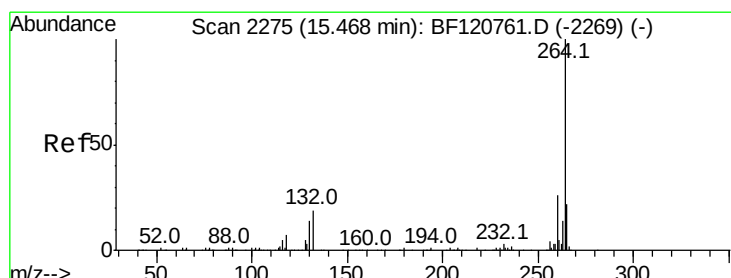
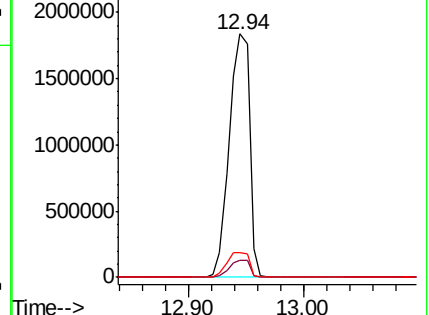
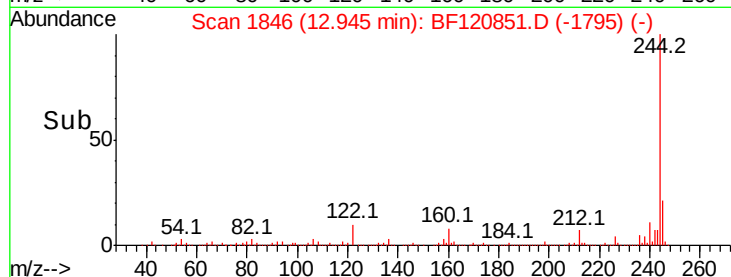
122 10.3 9.0 13.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

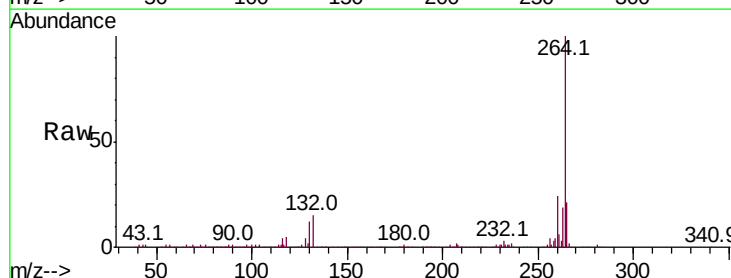
Tgt Ion:264 Resp: 465212

Ion Ratio Lower Upper

264 100

260 24.2 20.6 30.8

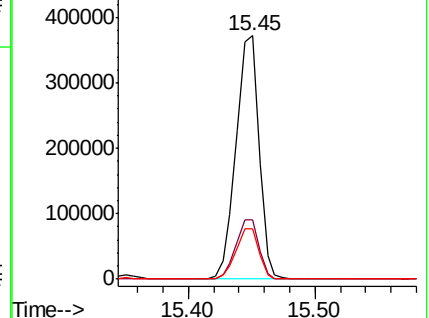
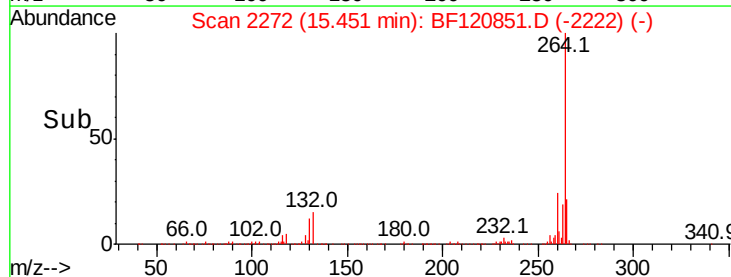
265 20.6 17.6 26.4

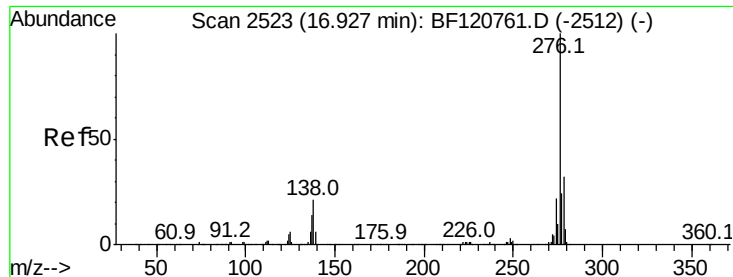


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

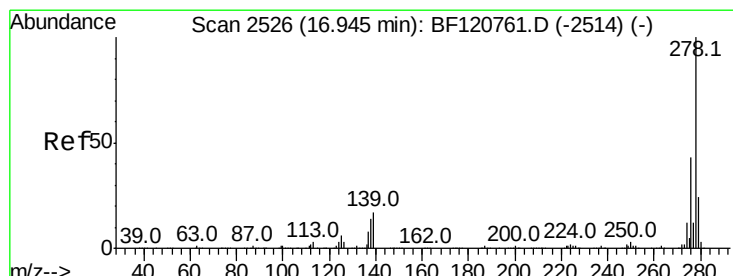
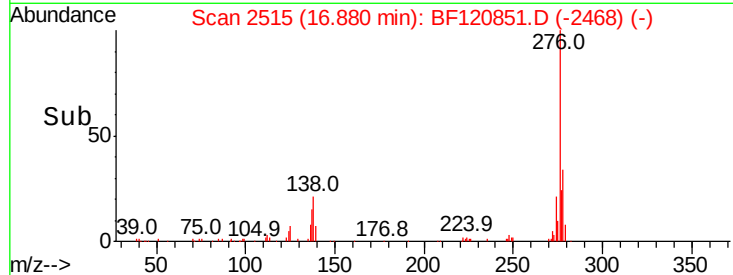
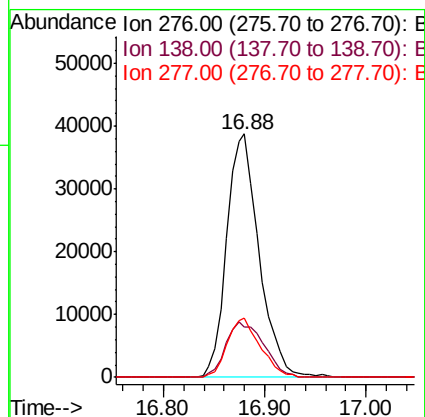
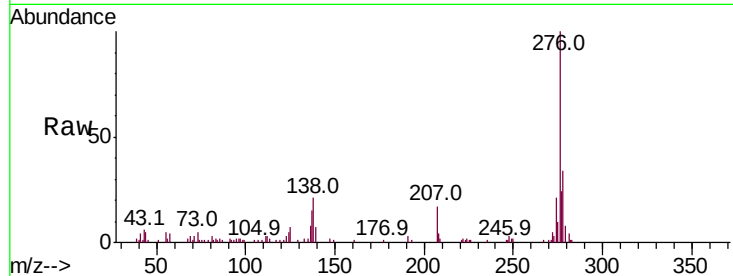




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.878 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: BF120851.D
 Acq: 13 Jul 2020 14:14

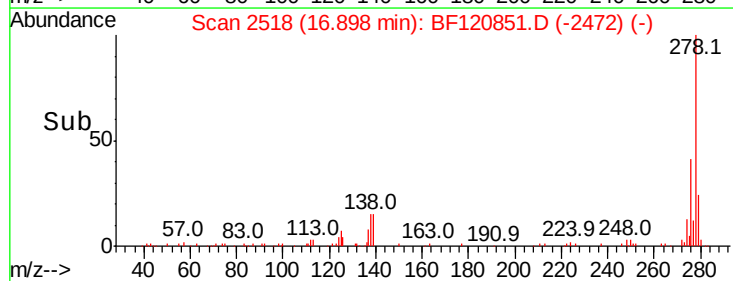
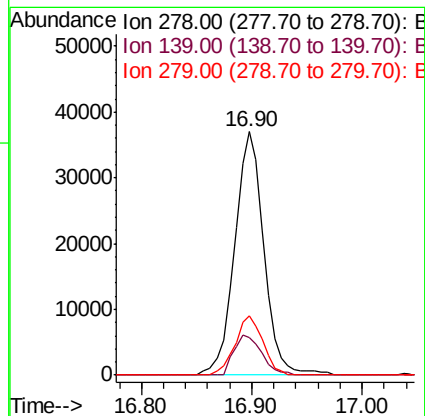
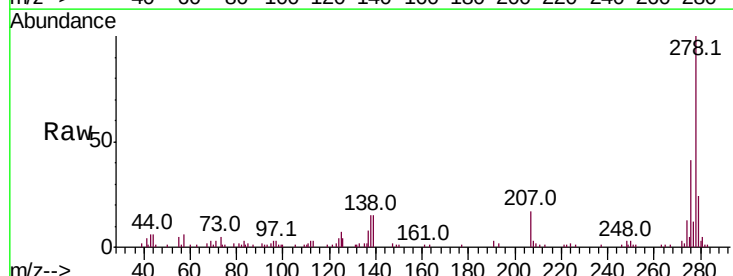
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-070920

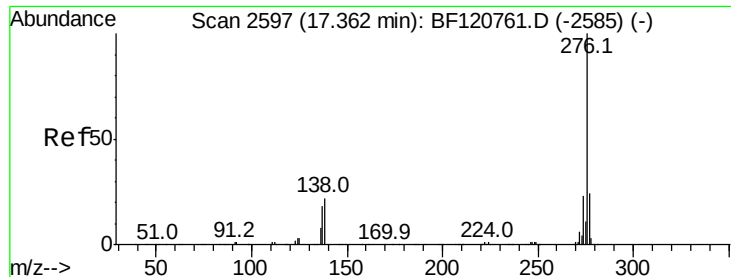
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.4	19.8	29.8
277	24.5	19.9	29.9



#91
 Dibenzo(a,h)anthracene
 Concen: 2.756 ng
 RT: 16.90 min Scan# 2518
 Delta R.T. -0.03 min
 Lab File: BF120851.D
 Acq: 13 Jul 2020 14:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.3	19.9
279	24.2	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 3.453 ng

RT: 17.31 min Scan# 2588

Delta R.T. -0.04 min

Lab File: BF120851.D

Acq: 13 Jul 2020 14:14

Instrument :

BNA_F

ClientSampleId :

EO-02-070920

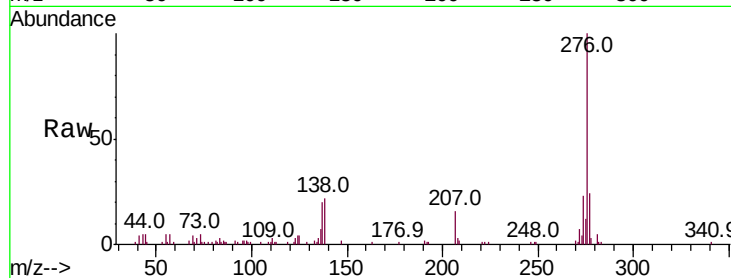
Tot Ion:276 Resp: 78479

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 22.3 17.4 26.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

