

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040122\
 Data File : BF127619.D
 Acq On : 01 Apr 2022 18:34
 Operator : CG\JU
 Sample : N2167-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAIL-PILE-2

Quant Time: Apr 01 23:49:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 29 07:13:31 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

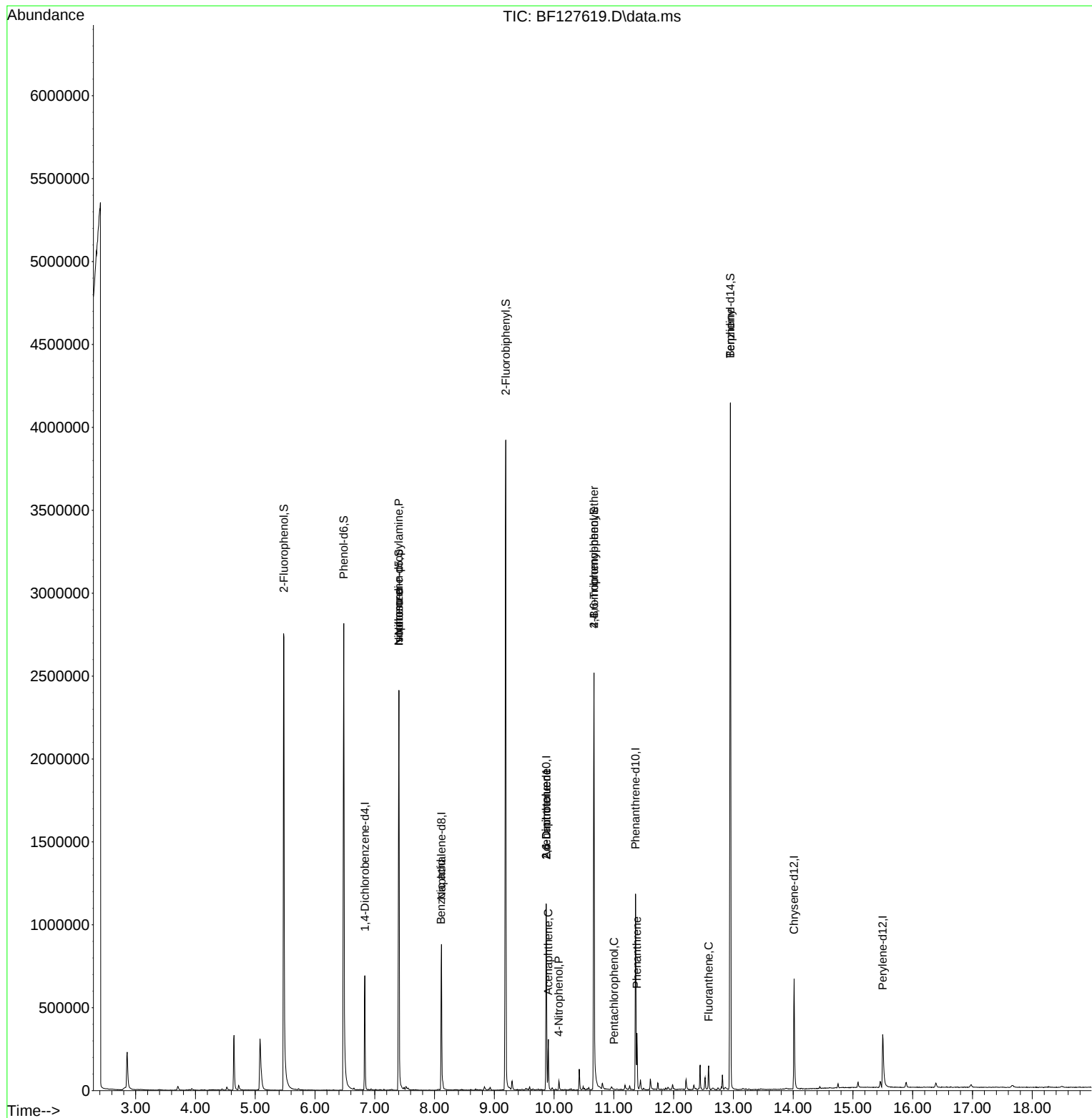
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	99453	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	378676	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	220734	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	404717	20.000	ng	0.00
76) Chrysene-d12	14.015	240	258971	20.000	ng	0.00
86) Perylene-d12	15.498	264	189119	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	833124	133.716	ng	0.02
7) Phenol-d6	6.481	99	1051693	123.487	ng	0.00
23) Nitrobenzene-d5	7.404	82	824400	93.060	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	330657	140.622	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1356791	89.756	ng	0.00
79) Terphenyl-d14	12.951	244	1584776	100.178	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.481	77	1740	Below Cal	#	7
19) n-Nitroso-di-n-propyla...	7.404	70	112202	21.979 ng	#	81
25) Isophorone	7.404	82	824393	58.428 ng	#	70
32) Benzoic acid	8.110	122	55	6.058 ng	#	1
51) 2,6-Dinitrotoluene	9.869	165	28554	8.858 ng	#	17
52) Acenaphthene	9.904	154	62008	5.355 ng		97
55) Dibenzofuran	10.080	168	22405	Below Cal		96
56) 4-Nitrophenol	10.080	139	8093	4.497 ng	#	1
57) 2,4-Dinitrotoluene	9.869	165	28554	6.882 ng	#	14
67) 4-Bromophenyl-phenylether	10.669	248	21542	4.559 ng	#	1
70) Pentachlorophenol	11.004	266	57	6.768 ng	#	20
71) Phenanthrene	11.386	178	115714	5.484 ng		100
75) Fluoranthene	12.586	202	55737	2.402 ng		98
77) Benzidine	12.951	184	19611	3.176 ng	#	92

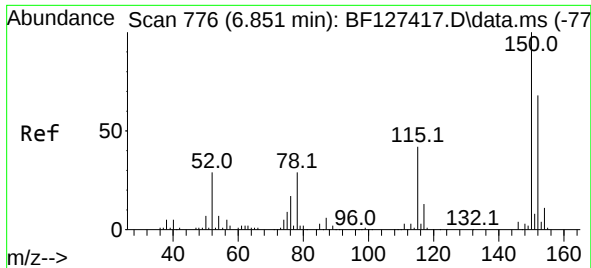
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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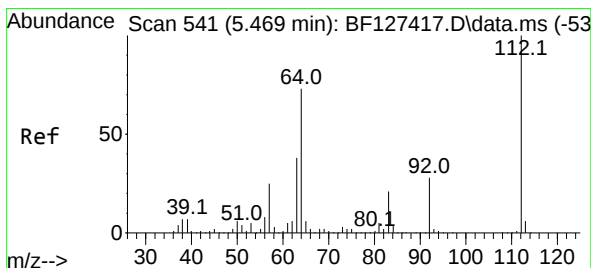
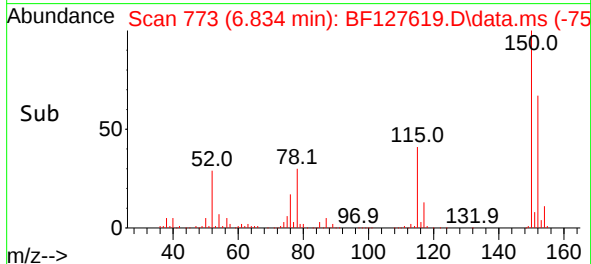
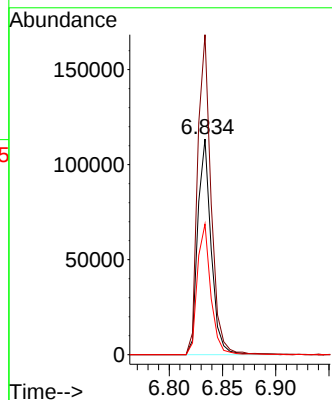
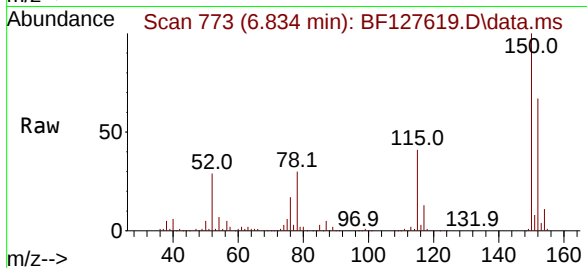




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

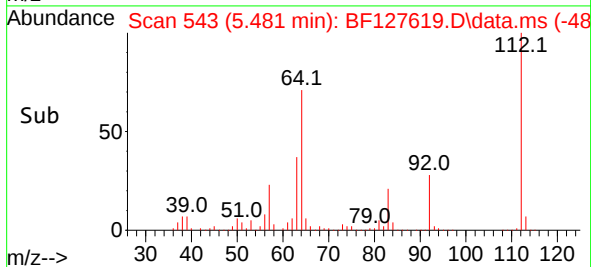
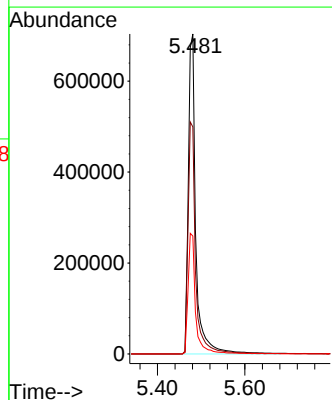
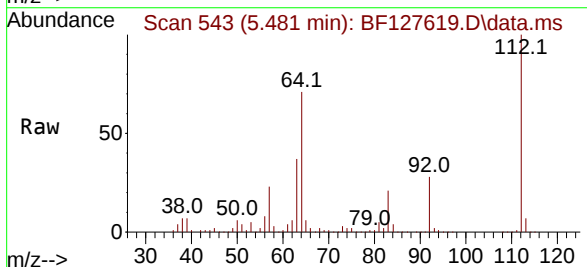
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

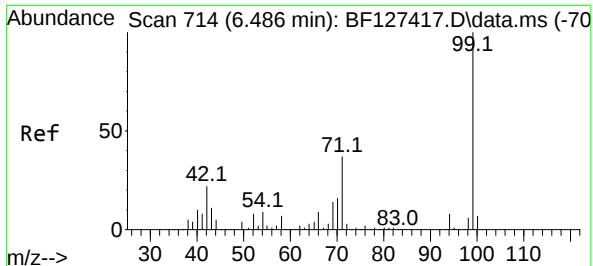
Tgt Ion:152 Resp: 99453
Ion Ratio Lower Upper
152 100
150 148.3 117.2 175.8
115 60.5 49.8 74.6



#5
2-Fluorophenol
Concen: 133.716 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.024 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

Tgt Ion:112 Resp: 833124
Ion Ratio Lower Upper
112 100
64 71.0 58.4 87.6
63 36.9 30.1 45.1

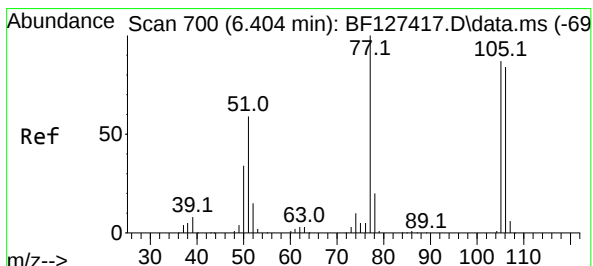
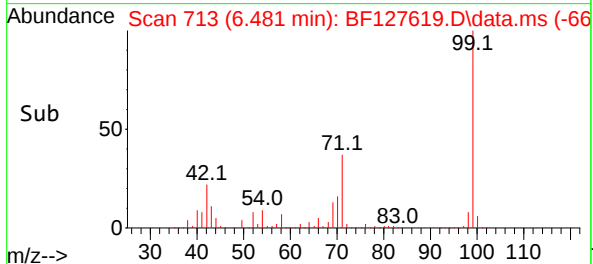
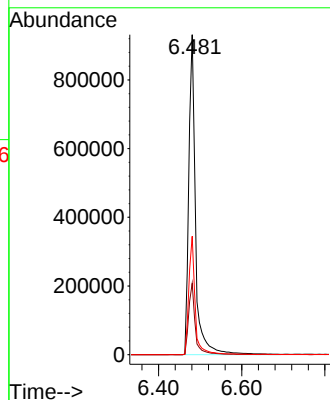
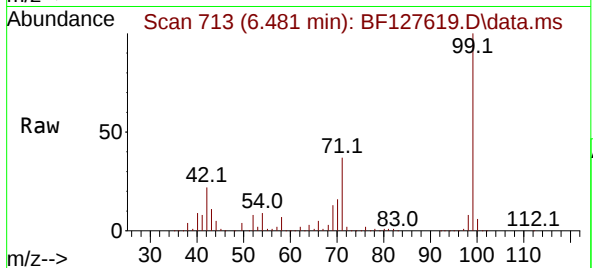




#7
Phenol-d6
Concen: 123.487 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

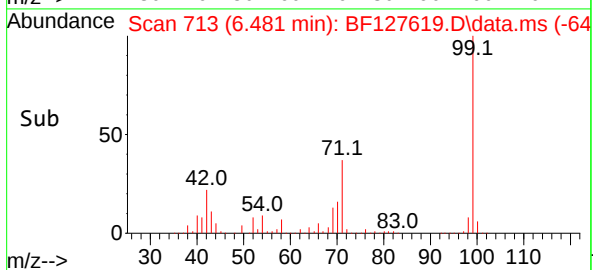
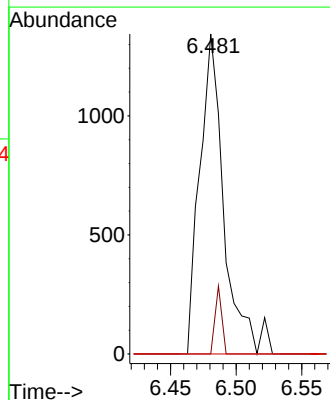
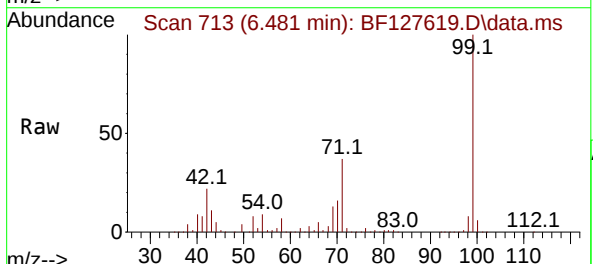
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

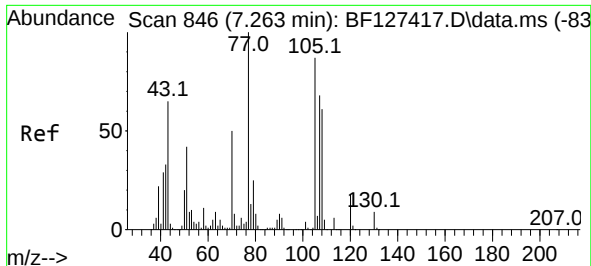
Tgt Ion: 99 Resp: 1051693
Ion Ratio Lower Upper
99 100
42 22.3 17.8 26.6
71 37.0 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.481 min Scan# 713
Delta R.T. 0.088 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

Tgt Ion: 77 Resp: 1740
Ion Ratio Lower Upper
77 100
105 0.0 66.8 106.8#
106 0.0 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 21.979 ng

RT: 7.404 min Scan# 81

Delta R.T. 0.153 min

Lab File: BF127619.D

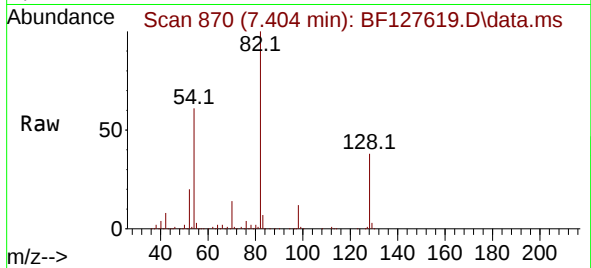
Acq: 01 Apr 2022 18:34

Instrument :

BNA_F

ClientSampleId :

RAIL-PILE-2



Tgt Ion: 70 Resp: 112202

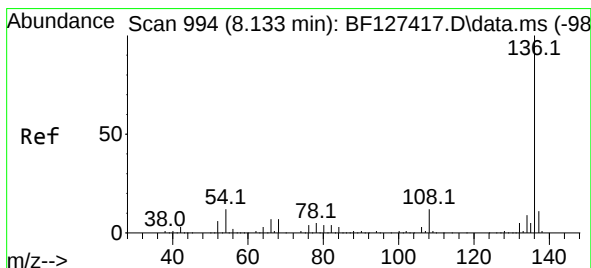
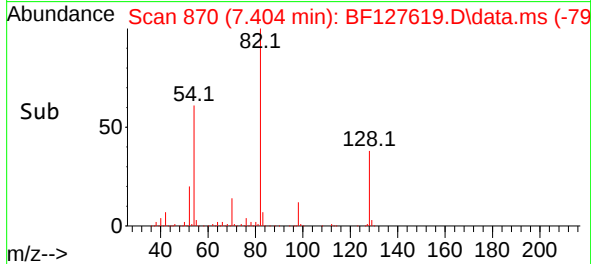
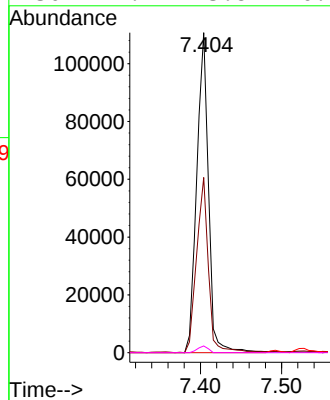
Ion Ratio Lower Upper

70 100

42 54.8 53.0 79.6

101 0.0 6.8 10.2#

130 2.1 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Tgt Ion: 136 Resp: 378676

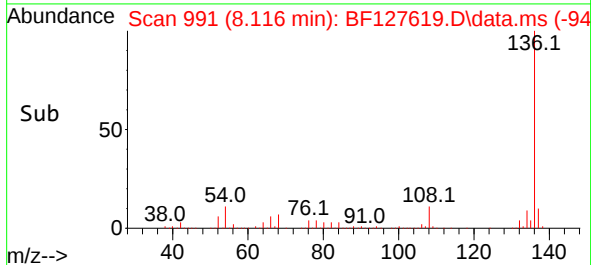
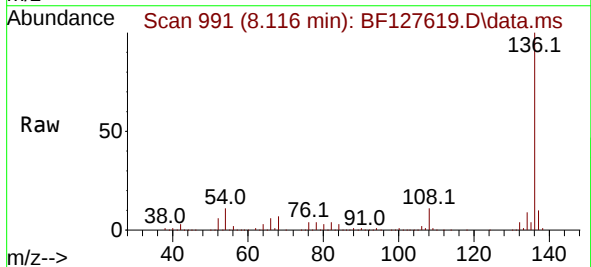
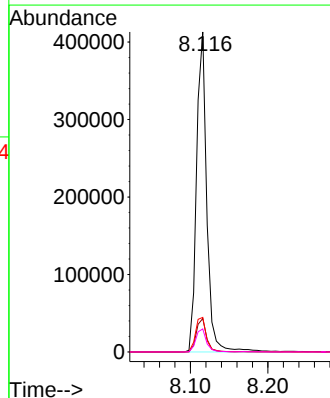
Ion Ratio Lower Upper

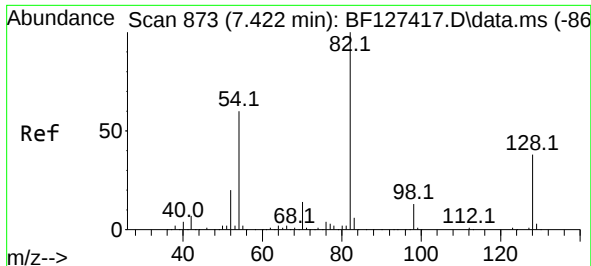
136 100

137 10.4 8.6 13.0

54 10.8 9.2 13.8

68 7.2 5.4 8.0





#23

Nitrobenzene-d5

Concen: 93.060 ng

RT: 7.404 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Instrument :

BNA_F

ClientSampleId :

RAIL-PILE-2

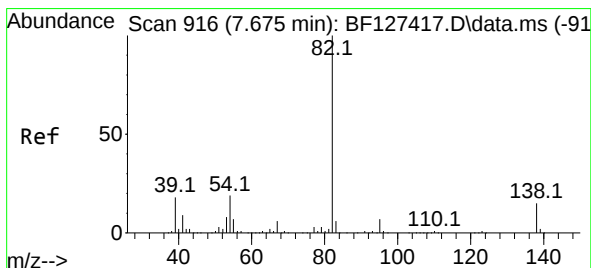
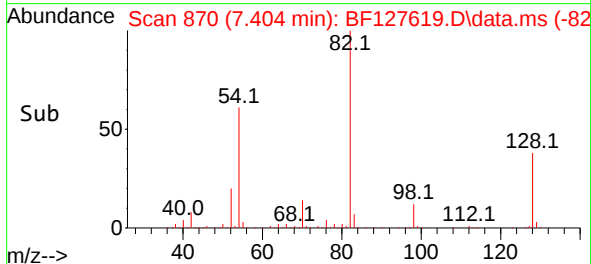
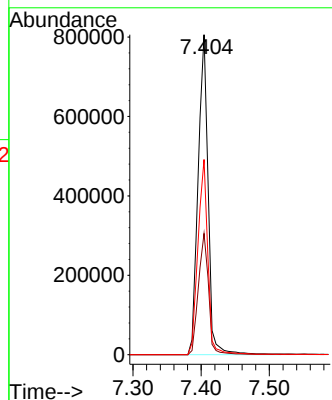
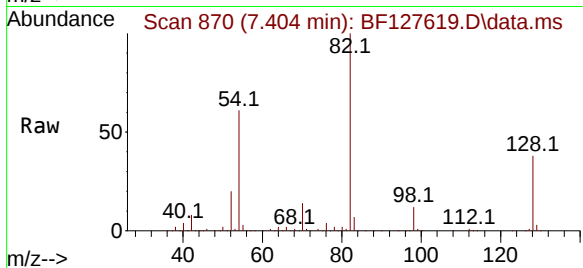
Tgt Ion: 82 Resp: 824400

Ion Ratio Lower Upper

82 100

128 37.9 30.6 45.8

54 61.0 48.2 72.2



#25

Isophorone

Concen: 58.428 ng

RT: 7.404 min Scan# 870

Delta R.T. -0.259 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

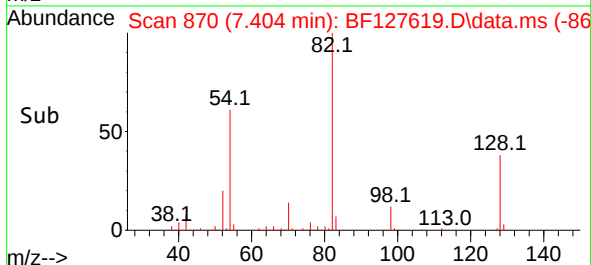
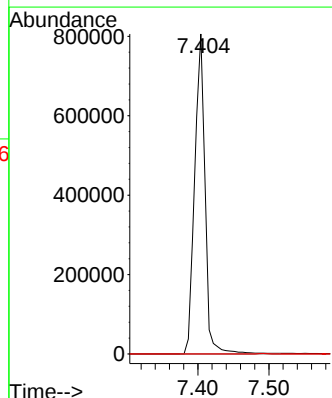
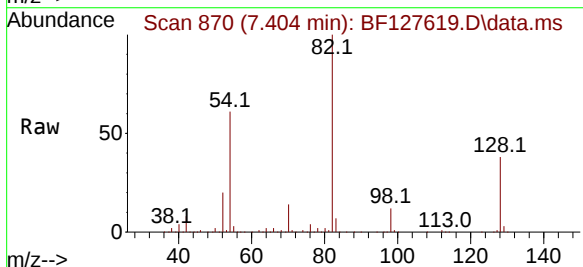
Tgt Ion: 82 Resp: 824393

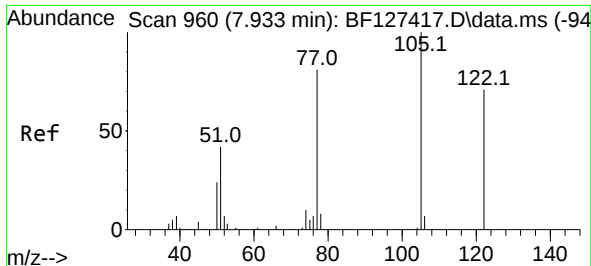
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#





#32

Benzoic acid

Concen: 6.058 ng

RT: 8.110 min Scan# 90

Delta R.T. 0.182 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Instrument :

BNA_F

ClientSampleId :

RAIL-PILE-2

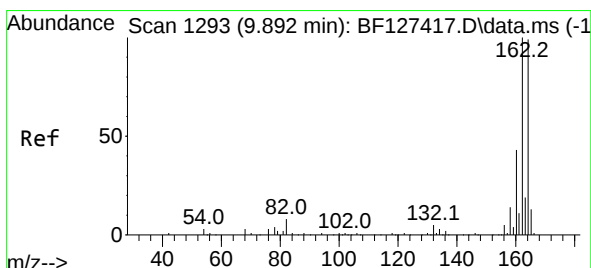
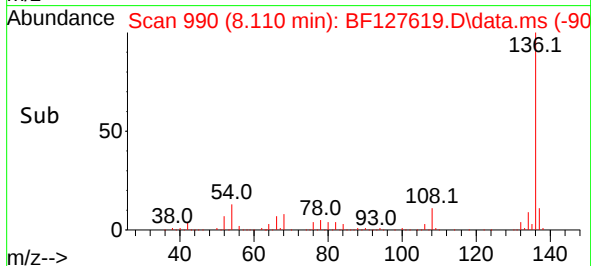
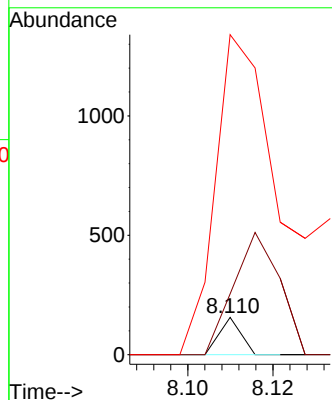
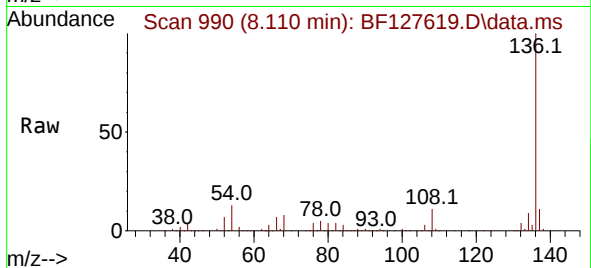
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 163.5 117.1 157.1#

77 859.0 93.0 133.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

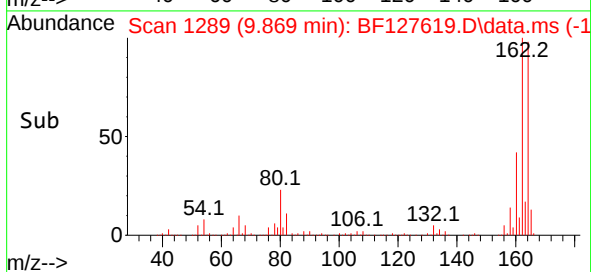
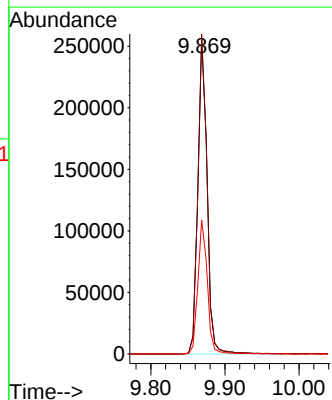
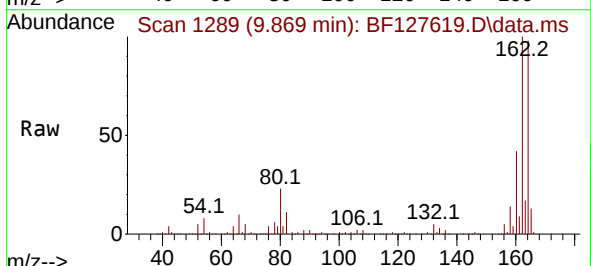
Tgt Ion:164 Resp: 220734

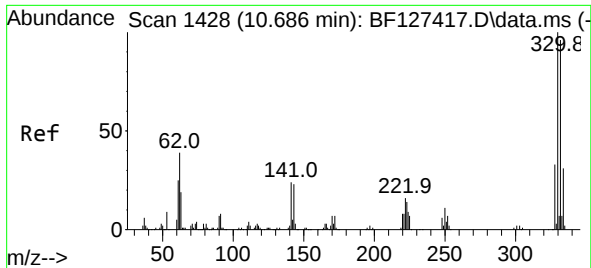
Ion Ratio Lower Upper

164 100

162 101.8 81.2 121.8

160 42.6 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 140.622 ng

RT: 10.669 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Instrument :

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RAIL-PILE-2

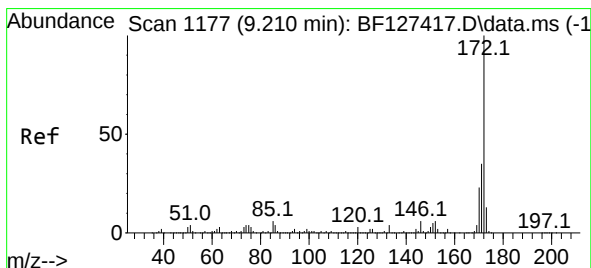
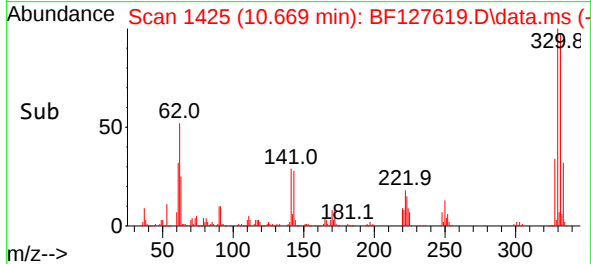
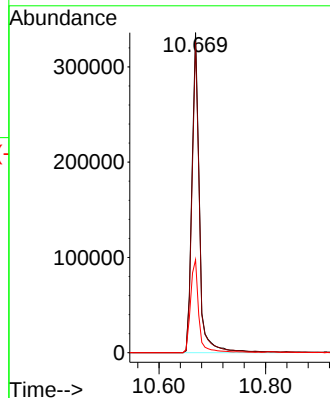
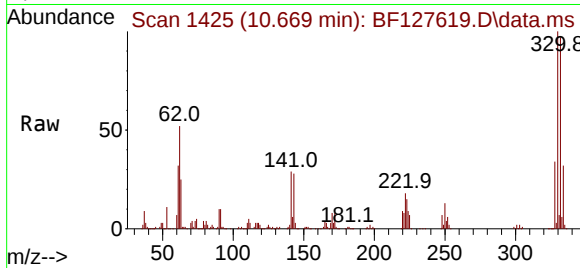
Tgt Ion:330 Resp: 330657

Ion Ratio Lower Upper

330 100

332 95.5 79.1 118.7

141 32.1 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 89.756 ng

RT: 9.192 min Scan# 1174

Delta R.T. 0.000 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

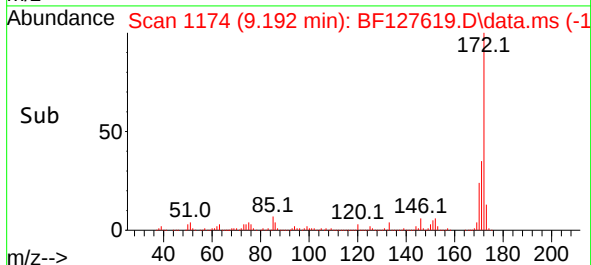
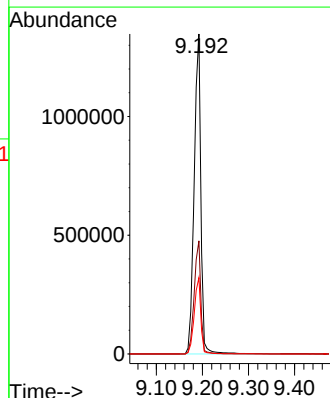
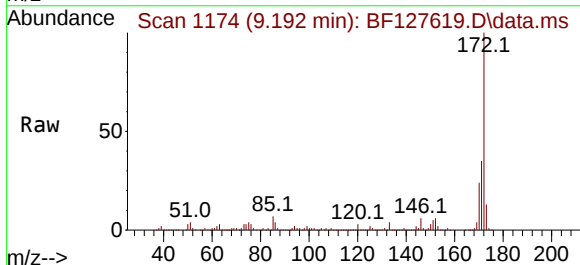
Tgt Ion:172 Resp: 1356791

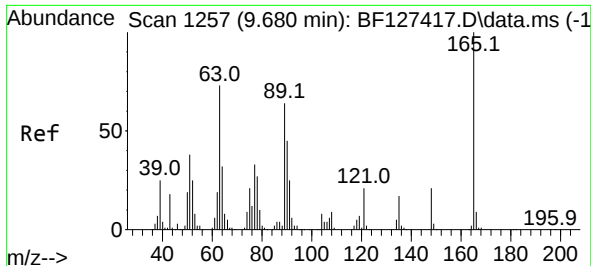
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.8 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 8.858 ng

RT: 9.869 min Scan# 1289

Delta R.T. 0.200 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Instrument :

BNA_F

ClientSampleId :

RAIL-PILE-2

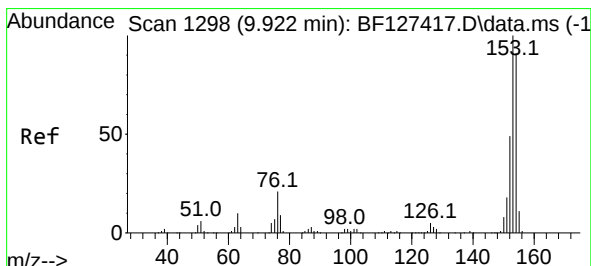
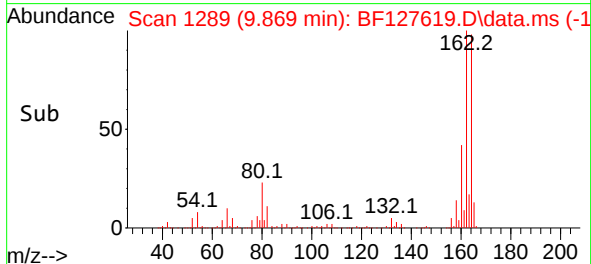
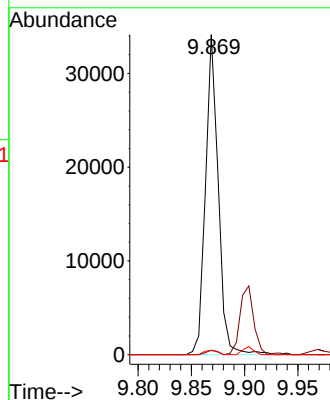
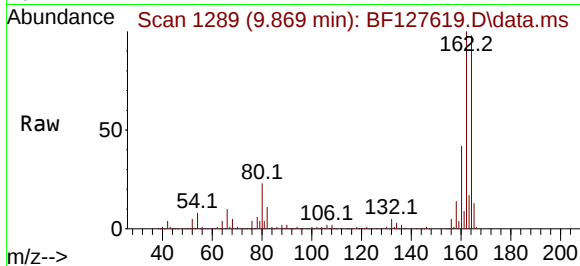
Tgt Ion:165 Resp: 28554

Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.3 51.5 77.3#



#52

Acenaphthene

Concen: 5.355 ng

RT: 9.904 min Scan# 1295

Delta R.T. -0.006 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

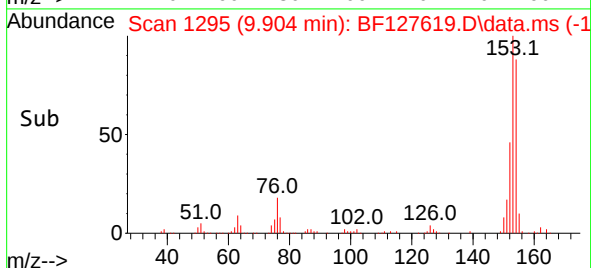
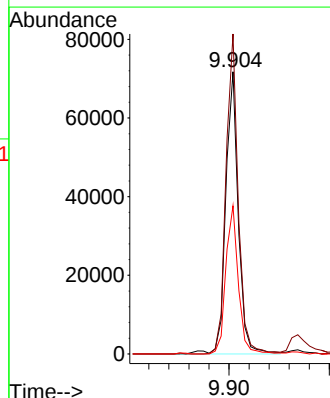
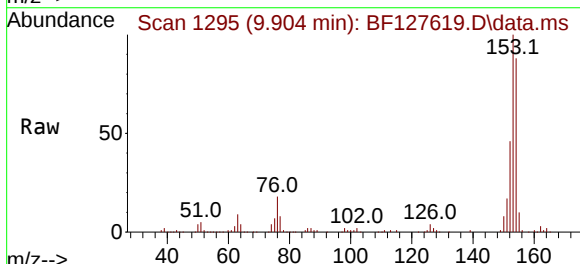
Tgt Ion:154 Resp: 62008

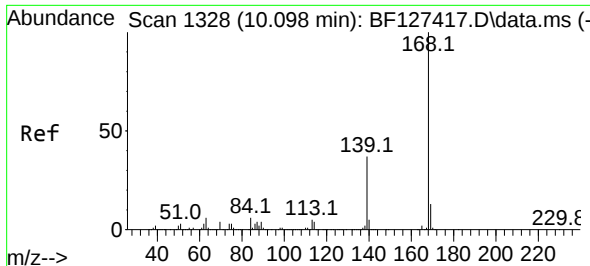
Ion Ratio Lower Upper

154 100

153 113.4 87.6 131.4

152 52.5 42.9 64.3

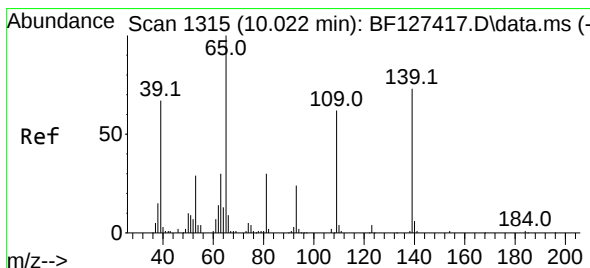
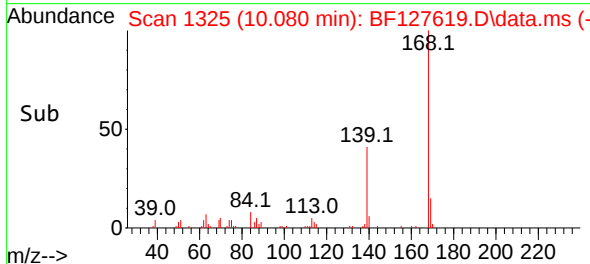
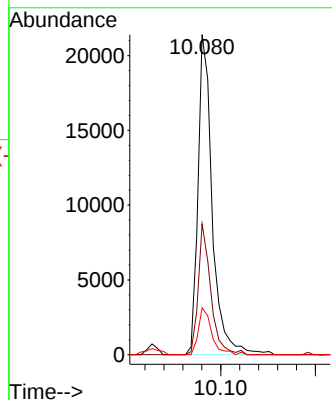
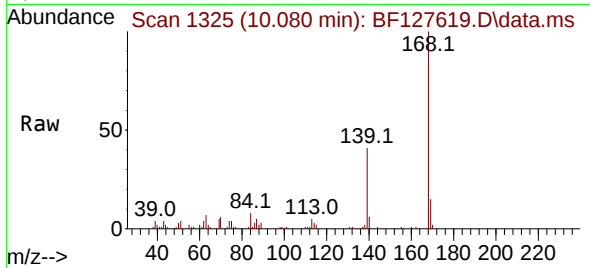




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.080 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

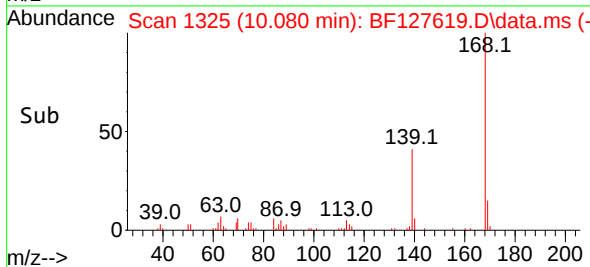
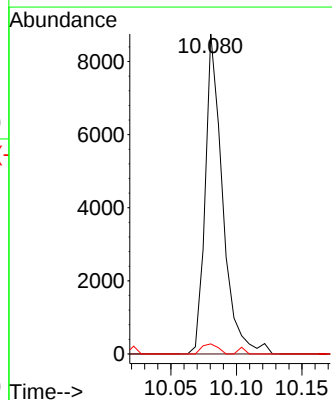
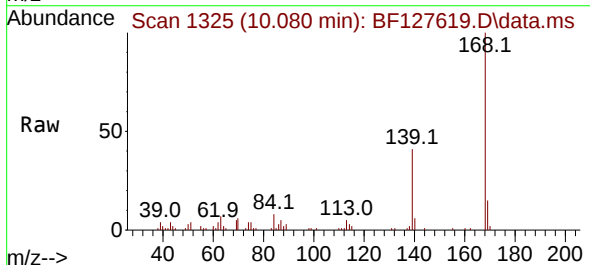
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

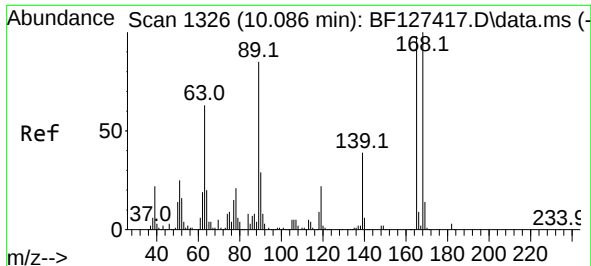
Tgt Ion:168 Resp: 22405
Ion Ratio Lower Upper
168 100
139 40.9 30.3 45.5
169 14.7 10.8 16.2



#56
4-Nitrophenol
Concen: 4.497 ng
RT: 10.080 min Scan# 1325
Delta R.T. 0.065 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

Tgt Ion:139 Resp: 8093
Ion Ratio Lower Upper
139 100
109 0.0 64.3 104.3#
65 3.1 117.5 157.5#

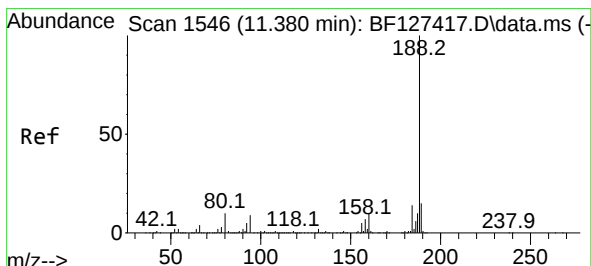
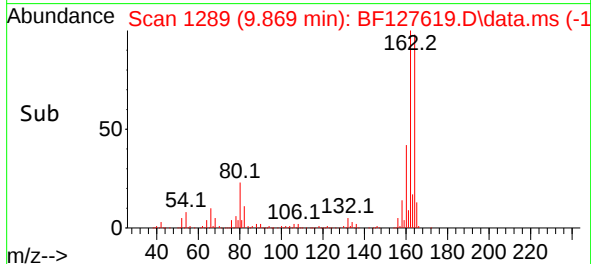
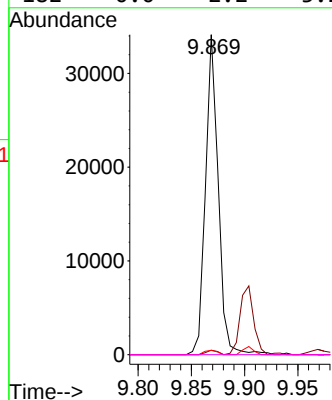
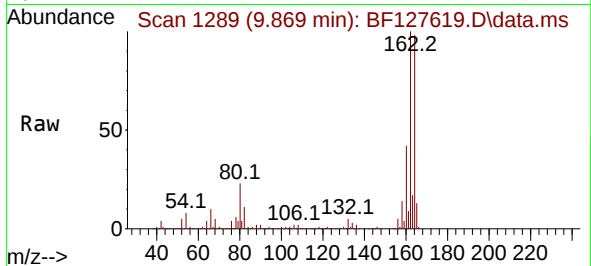




#57
2,4-Dinitrotoluene
Concen: 6.882 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

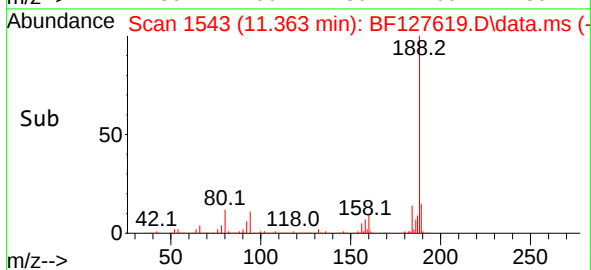
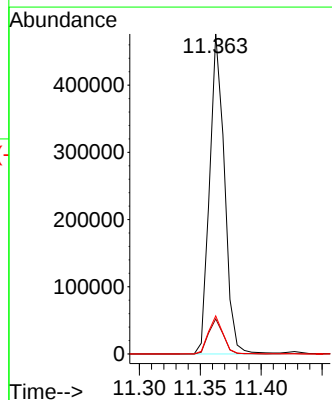
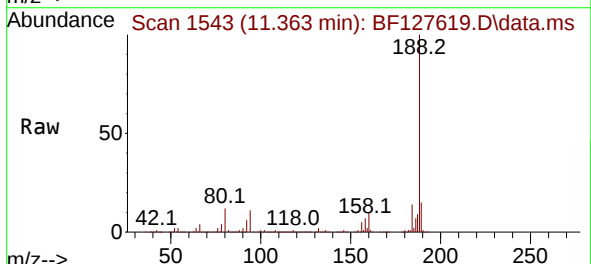
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

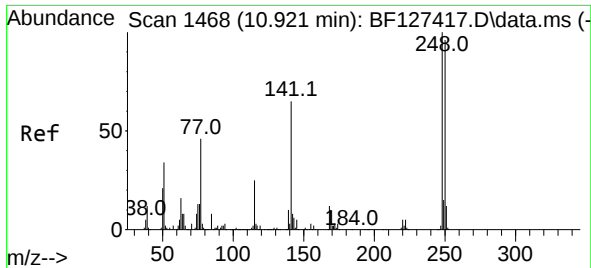
Tgt Ion:165 Resp: 28554
Ion Ratio Lower Upper
165 100
63 1.4 53.1 79.7#
89 1.3 69.2 103.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

Tgt Ion:188 Resp: 404717
Ion Ratio Lower Upper
188 100
94 11.0 7.4 11.0
80 11.9 8.0 12.0

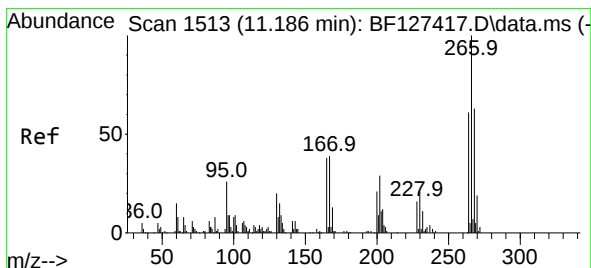
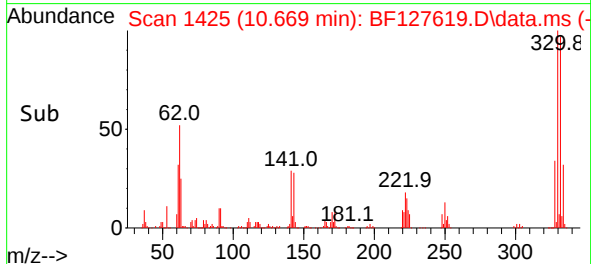
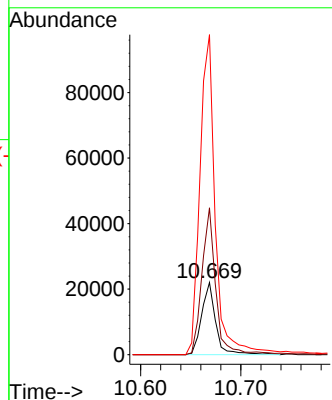
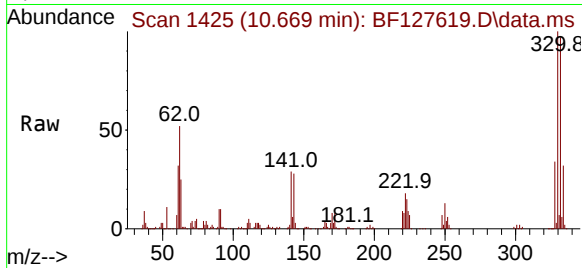




#67
4-Bromophenyl-phenylether
Concen: 4.559 ng
RT: 10.669 min Scan# 1468
Delta R.T. -0.235 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

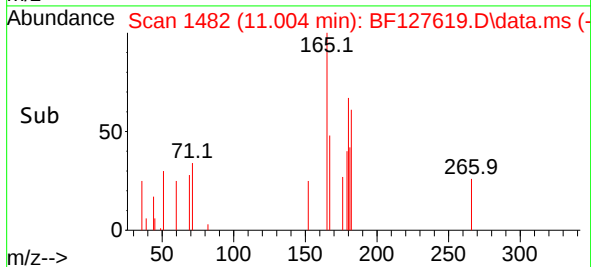
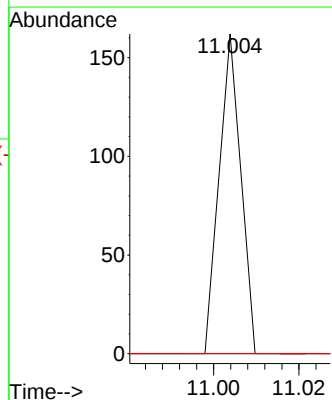
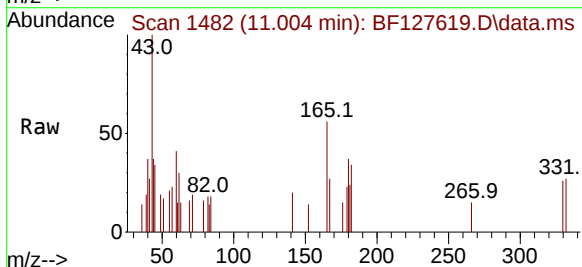
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

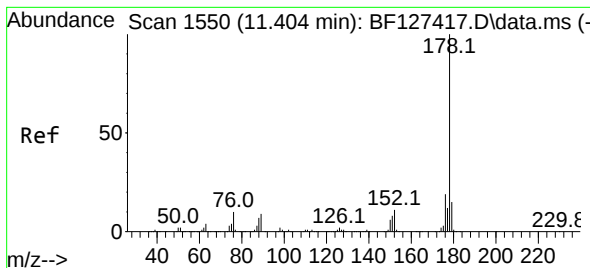
Tgt Ion:248 Resp: 21542
Ion Ratio Lower Upper
248 100
250 203.7 76.6 115.0#
141 443.9 52.2 78.2#



#70
Pentachlorophenol
Concen: 6.768 ng
RT: 11.004 min Scan# 1482
Delta R.T. -0.171 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

Tgt Ion:266 Resp: 57
Ion Ratio Lower Upper
266 100
268 0.0 50.4 75.6#
264 0.0 48.5 72.7#





#71

Phenanthrene

Concen: 5.484 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

Instrument :

BNA_F

ClientSampleId :

RAIL-PILE-2

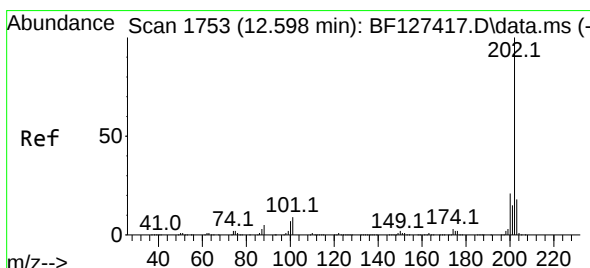
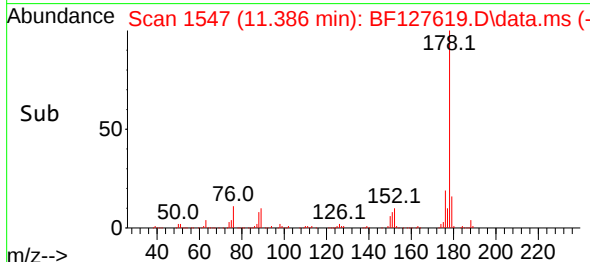
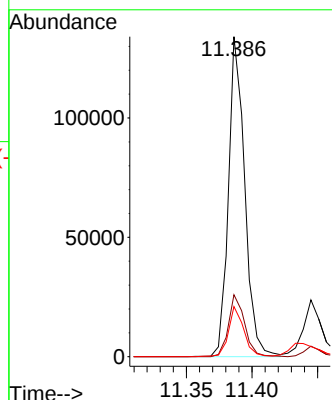
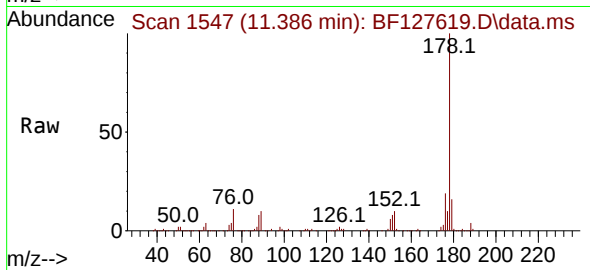
Tgt Ion:178 Resp: 115714

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.6 12.4 18.6



#75

Fluoranthene

Concen: 2.402 ng

RT: 12.586 min Scan# 1751

Delta R.T. 0.006 min

Lab File: BF127619.D

Acq: 01 Apr 2022 18:34

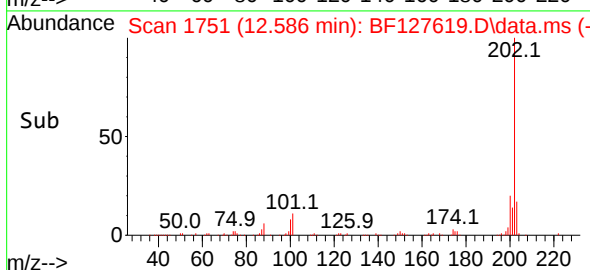
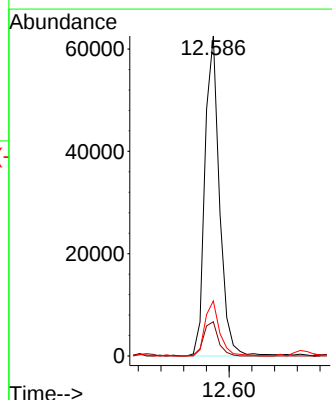
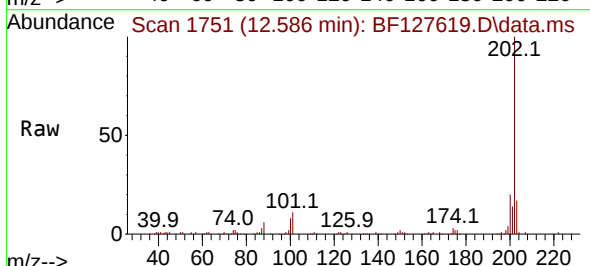
Tgt Ion:202 Resp: 55737

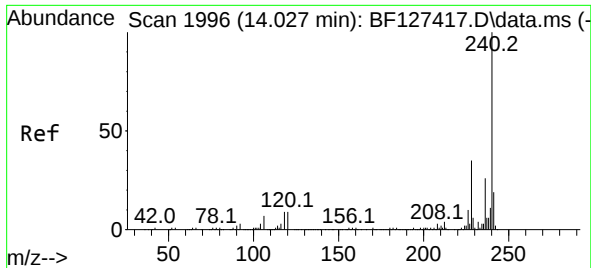
Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.0

203 17.2 0.0 37.7

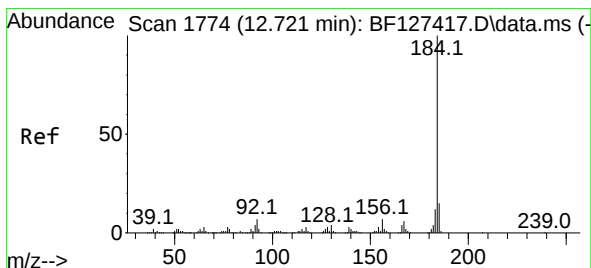
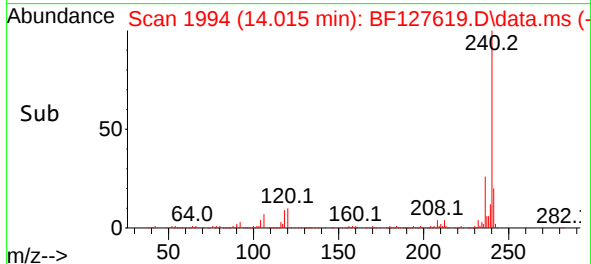
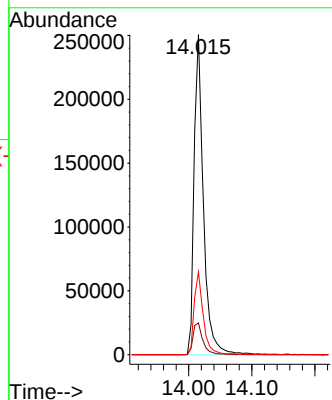
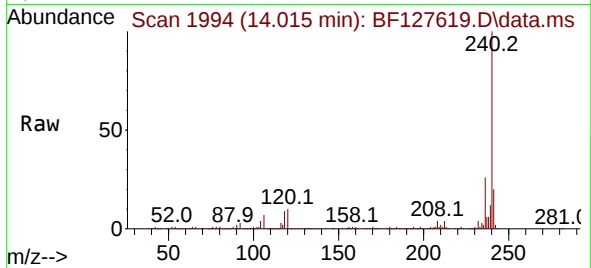




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

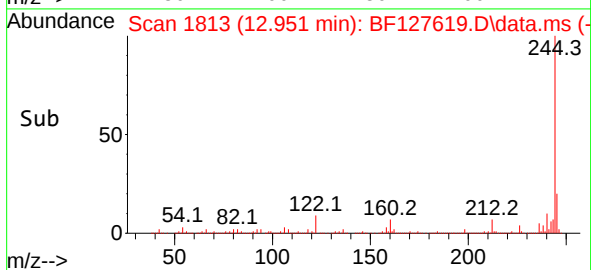
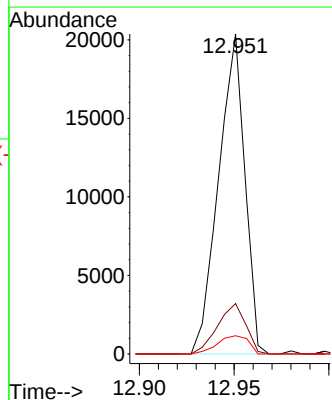
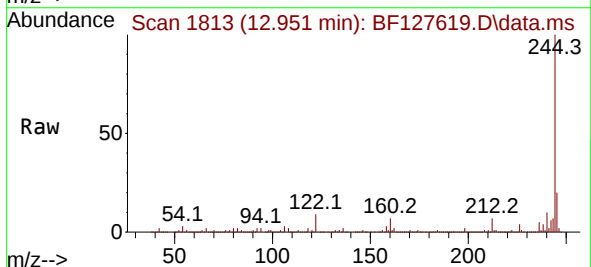
Instrument :
BNA_F
ClientSampleId :
RAIL-PILE-2

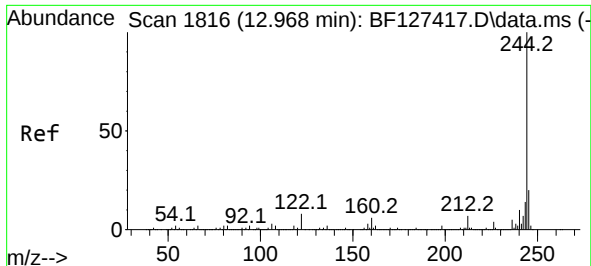
Tgt Ion:240 Resp: 258971
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 25.9 20.7 31.1



#77
Benzidine
Concen: 3.176 ng
RT: 12.951 min Scan# 1813
Delta R.T. 0.241 min
Lab File: BF127619.D
Acq: 01 Apr 2022 18:34

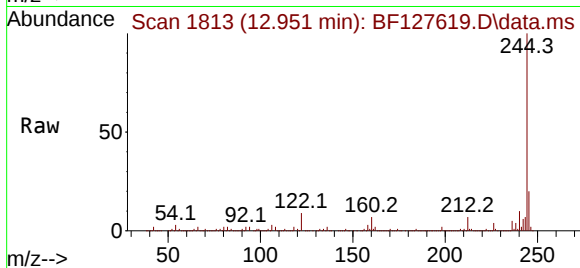
Tgt Ion:184 Resp: 19611
Ion Ratio Lower Upper
184 100
185 15.8 12.2 18.2
183 5.7 9.4 14.0#



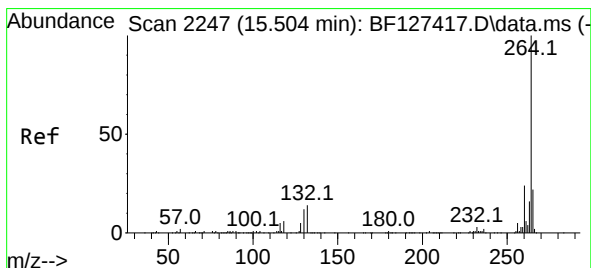
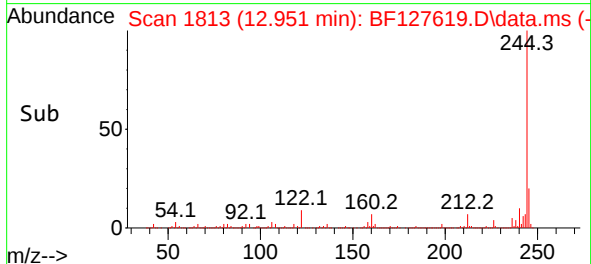
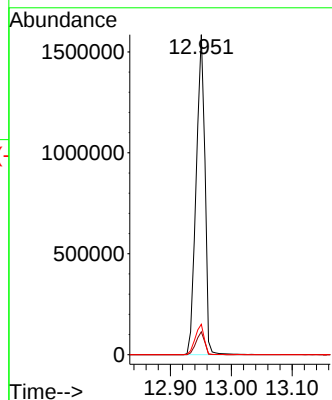


#79
 Terphenyl-d14
 Concen: 100.178 ng
 RT: 12.951 min Scan# 1813
 Delta R.T. 0.000 min
 Lab File: BF127619.D
 Acq: 01 Apr 2022 18:34

Instrument :
 BNA_F
 ClientSampleId :
 RAIL-PILE-2



Tgt Ion:244 Resp: 1584776
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 9.5 6.2 9.2#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 2246
 Delta R.T. 0.006 min
 Lab File: BF127619.D
 Acq: 01 Apr 2022 18:34

Tgt Ion:264 Resp: 189119
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.1 28.7
 265 21.3 17.4 26.2

