

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032122\
 Data File : BF127445.D
 Acq On : 22 Mar 2022 09:56
 Operator : CG\JU
 Sample : N1962-16
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 22 15:23:58 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 22 02:16:33 2022
 Response via : Initial Calibration

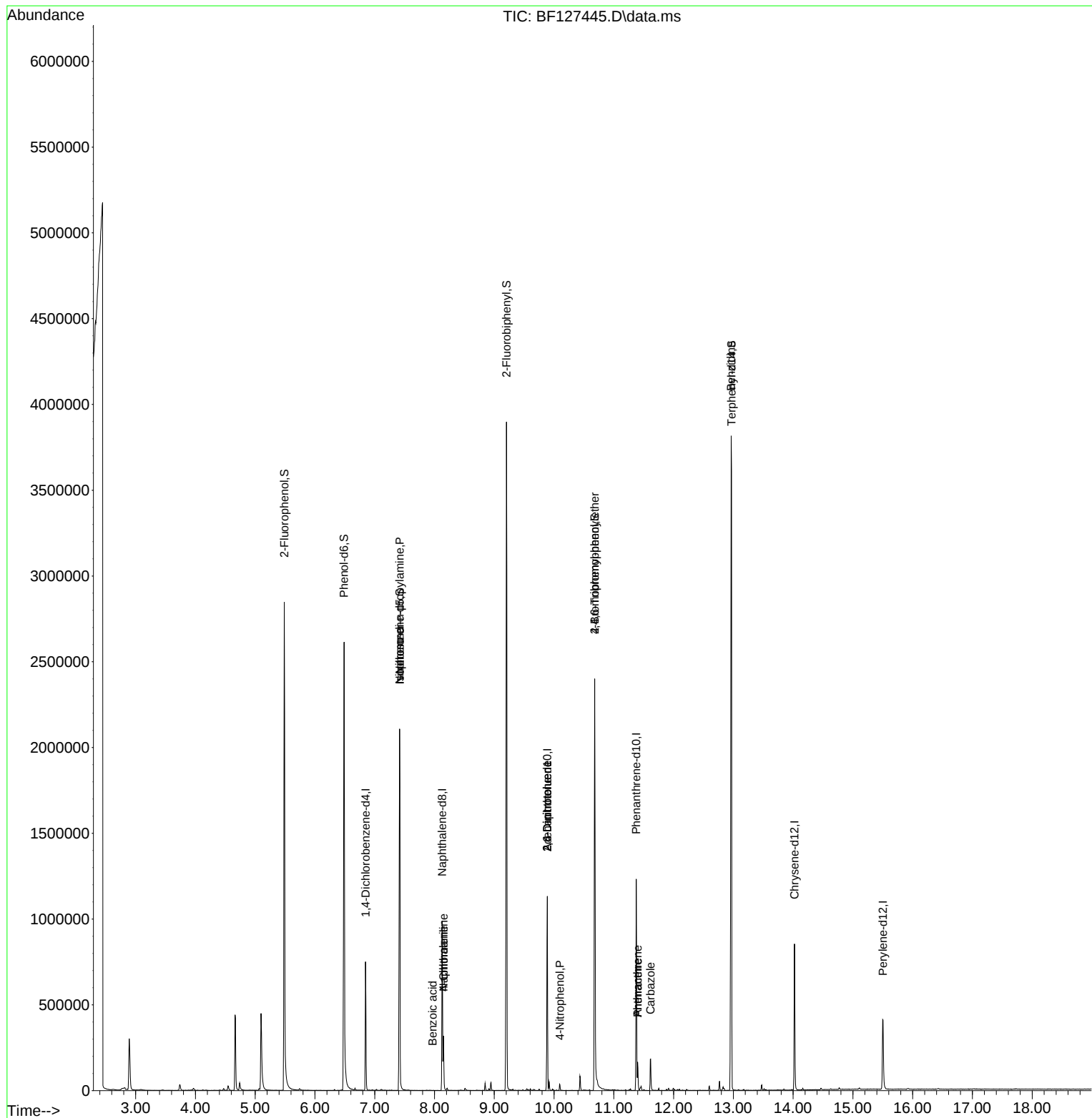
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	100931	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	373983	20.000	ng	0.00
39) Acenaphthene-d10	9.887	164	222892	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	409437	20.000	ng	0.00
76) Chrysene-d12	14.022	240	287951	20.000	ng	0.00
86) Perylene-d12	15.504	264	202575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	756493	119.639	ng	0.02
7) Phenol-d6	6.487	99	944921	109.325	ng	0.00
23) Nitrobenzene-d5	7.416	82	766487	87.608	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	314706	132.543	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1300708	85.213	ng	0.00
79) Terphenyl-d14	12.969	244	1567827	89.132	ng	0.00
Target Compounds						
9) Benzaldehyde	6.487	77	2187	Below Cal		Qvalue # 27
19) n-Nitroso-di-n-propyla...	7.416	70	104800	20.228	ng	# 79
25) Isophorone	7.416	82	766480	55.005	ng	# 70
31) Naphthalene	8.151	128	127671	6.430	ng	# 99
32) Benzoic acid	7.969	122	129	6.080	ng	# 1
33) 4-Chloroaniline	8.151	127	16624	2.161	ng	# 33
51) 2,6-Dinitrotoluene	9.887	165	27703	8.511	ng	# 17
55) Dibenzofuran	10.092	168	15592	Below Cal		94
56) 4-Nitrophenol	10.098	139	5746	3.162	ng	# 1
57) 2,4-Dinitrotoluene	9.887	165	27703	6.612	ng	# 14
58) Fluorene	10.434	166	23359	Below Cal		96
67) 4-Bromophenyl-phenylether	10.681	248	20560	4.301	ng	# 1
71) Phenanthrene	11.398	178	57110	2.675	ng	99
72) Anthracene	11.398	178	57110	2.696	ng	99
73) Carbazole	11.616	167	80656	3.982	ng	98
77) Benzidine	12.963	184	19425	2.829	ng	# 92

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

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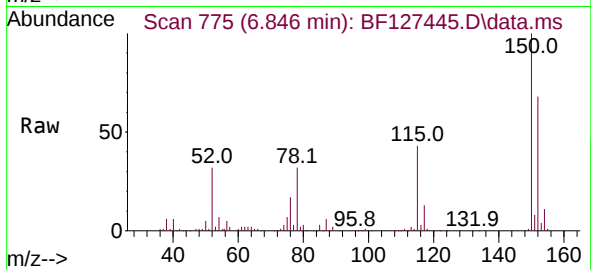
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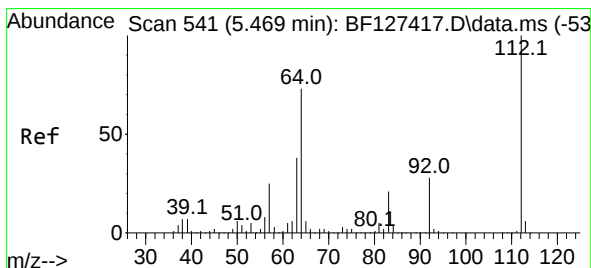
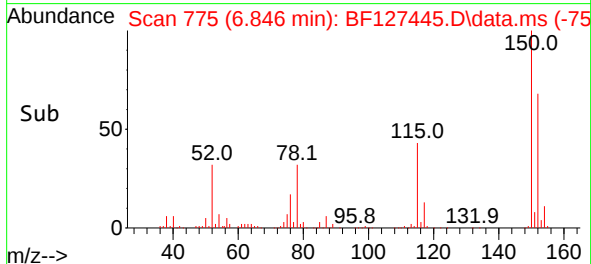
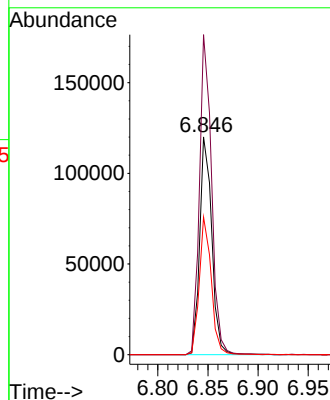


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Instrument :
BNA_F
ClientSampleId :

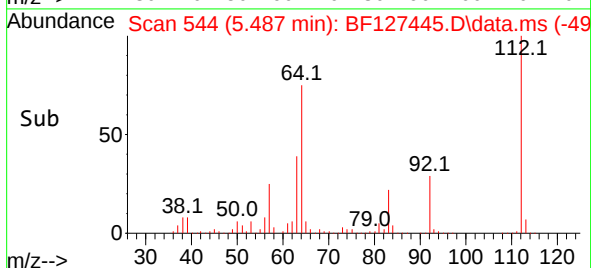
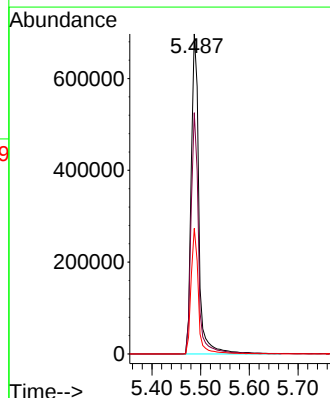
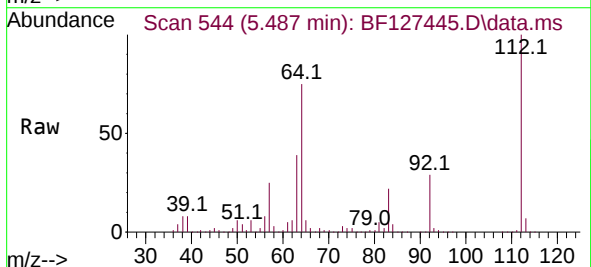


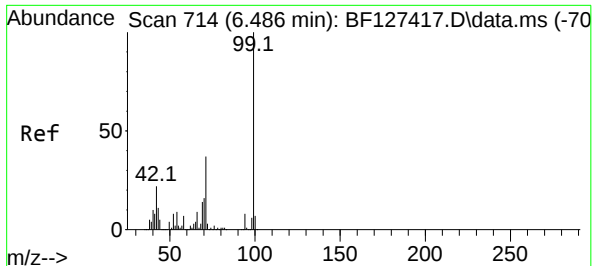
Tgt Ion:152 Resp: 100931
Ion Ratio Lower Upper
152 100
150 146.9 117.2 175.8
115 63.2 49.8 74.6



#5
2-Fluorophenol
Concen: 119.639 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:112 Resp: 756493
Ion Ratio Lower Upper
112 100
64 75.4 58.4 87.6
63 39.2 30.1 45.1



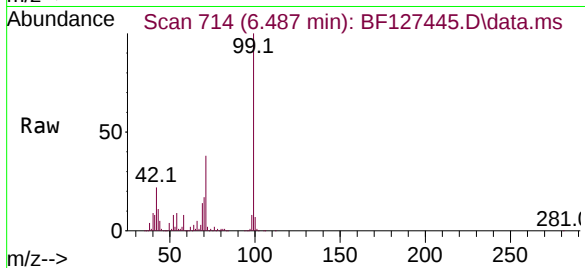


#7
Phenol-d6
Concen: 109.325 ng
RT: 6.487 min Scan# 714
Delta R.T. 0.000 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Instrument :

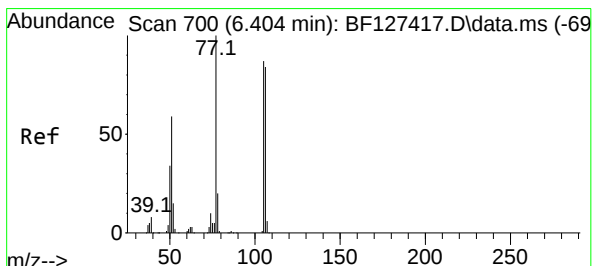
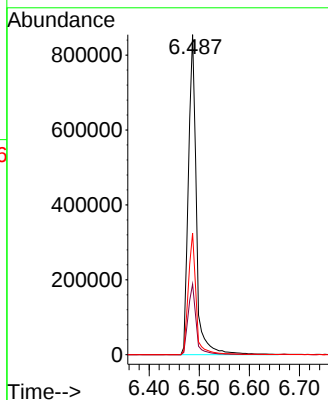
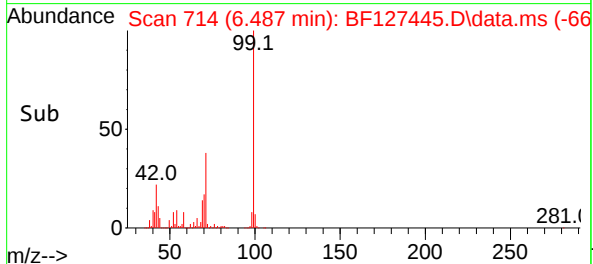
BNA_F

ClientSampleId :



Tgt Ion: 99 Resp: 944921

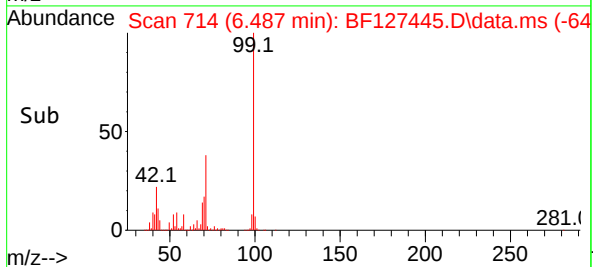
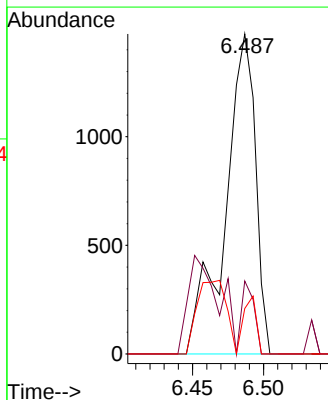
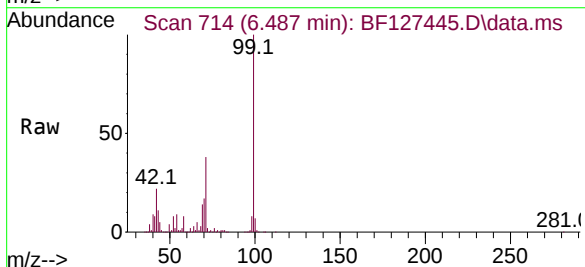
Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.8	26.6
71	38.0	29.6	44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.487 min Scan# 714
Delta R.T. 0.083 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion: 77 Resp: 2187

Ion	Ratio	Lower	Upper
77	100		
105	22.8	66.8	106.8#
106	14.2	64.3	104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 20.228 ng

RT: 7.416 min Scan# 81

Delta R.T. 0.153 min

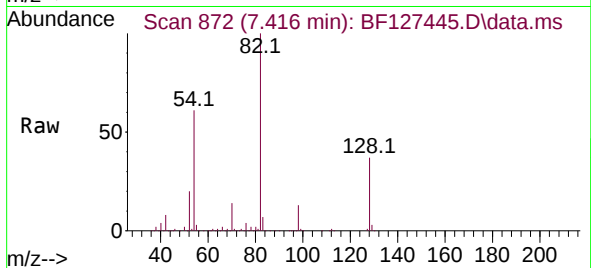
Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 70 Resp: 104800

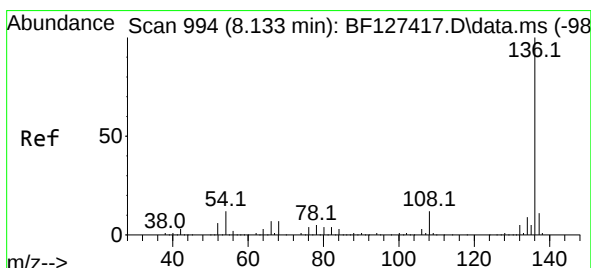
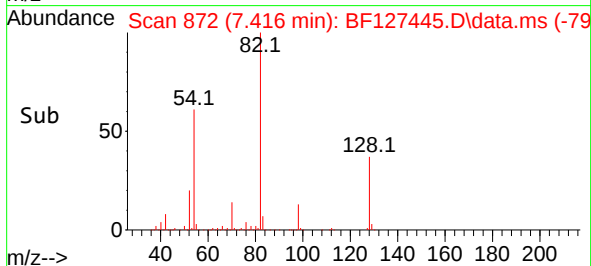
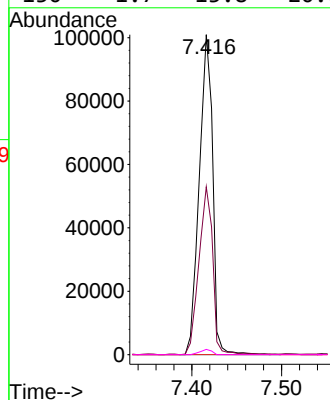
Ion Ratio Lower Upper

70 100

42 52.4 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

Tgt Ion: 136 Resp: 373983

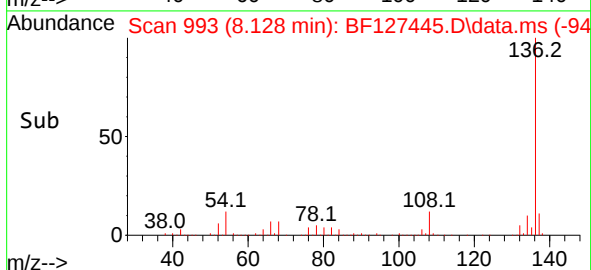
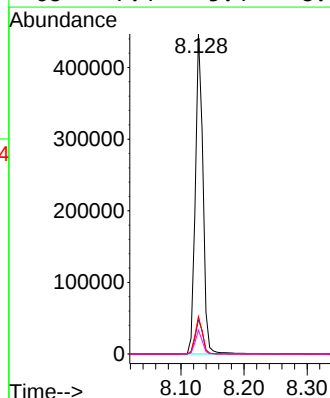
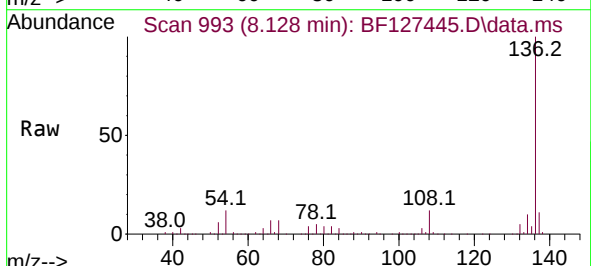
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 11.7 9.2 13.8

68 7.4 5.4 8.0





#23

Nitrobenzene-d5

Concen: 87.608 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

Instrument :

BNA_F

ClientSampleId :

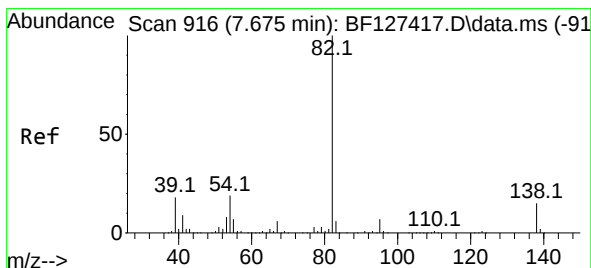
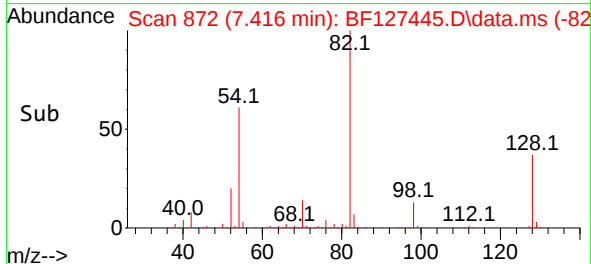
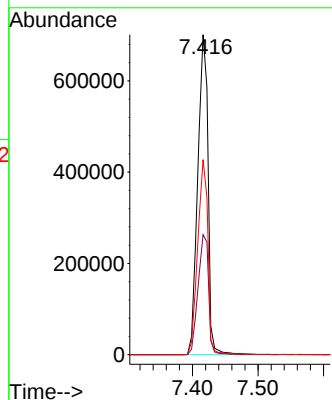
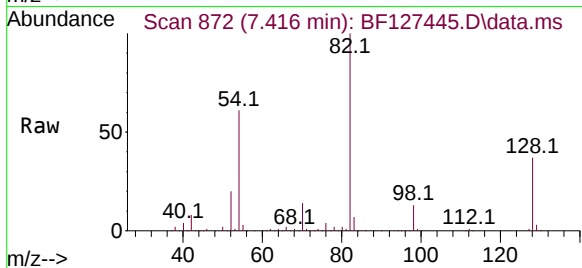
Tgt Ion: 82 Resp: 766487

Ion Ratio Lower Upper

82 100

128 37.5 30.6 45.8

54 61.0 48.2 72.2



#25

Isophorone

Concen: 55.005 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.259 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

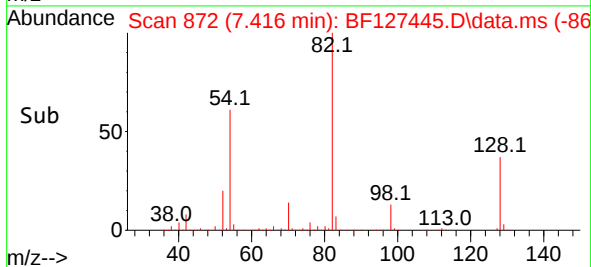
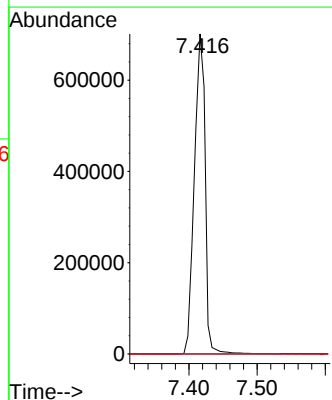
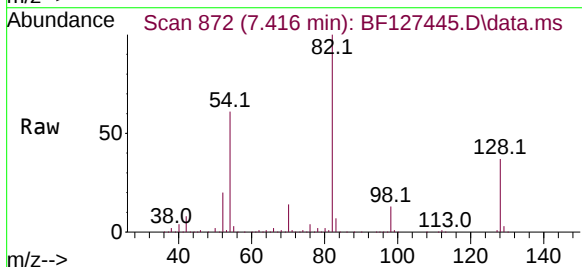
Tgt Ion: 82 Resp: 766480

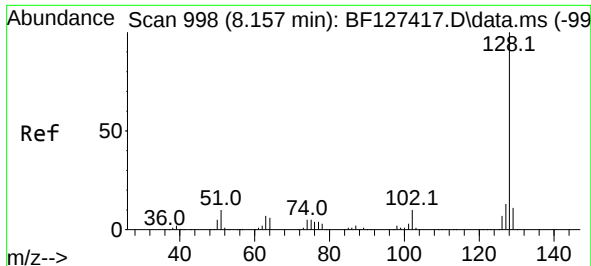
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

138 0.0 11.6 17.4#

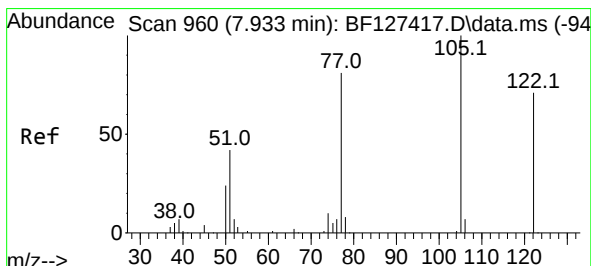
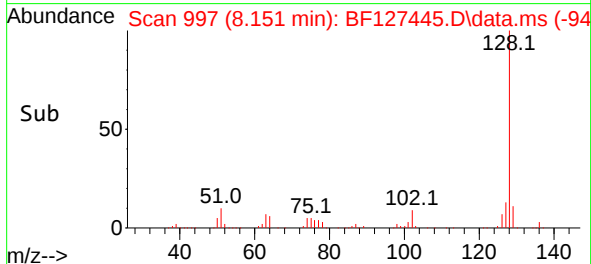
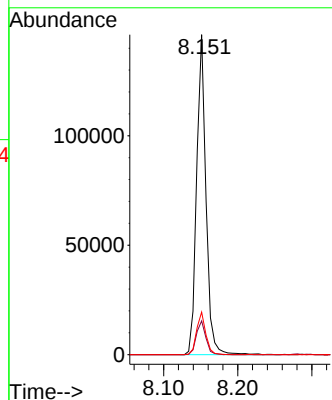
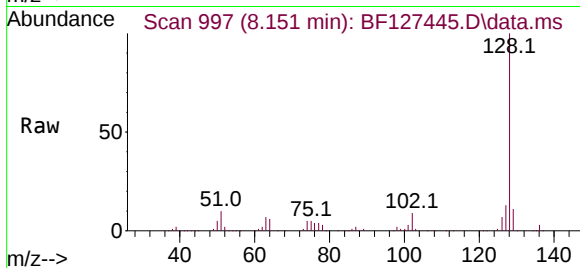




#31
Naphthalene
Concen: 6.430 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

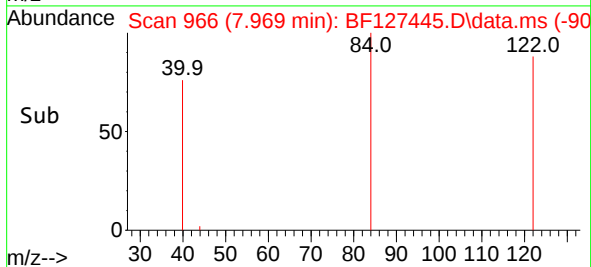
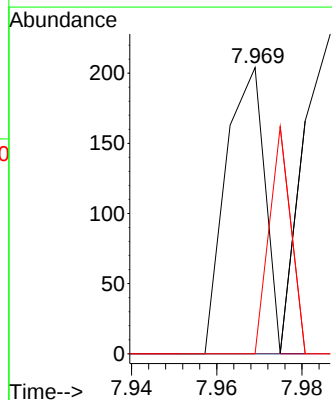
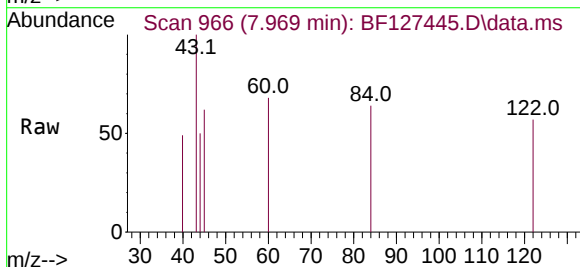
Instrument :
BNA_F
ClientSampleId :

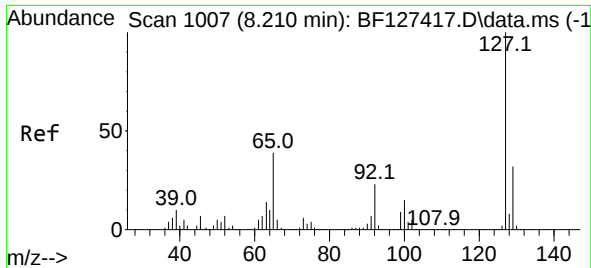
Tgt Ion:128 Resp: 127671
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 13.3 10.2 15.2



#32
Benzoic acid
Concen: 6.080 ng
RT: 7.969 min Scan# 966
Delta R.T. 0.036 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:122 Resp: 129
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 0.0 93.0 133.0#

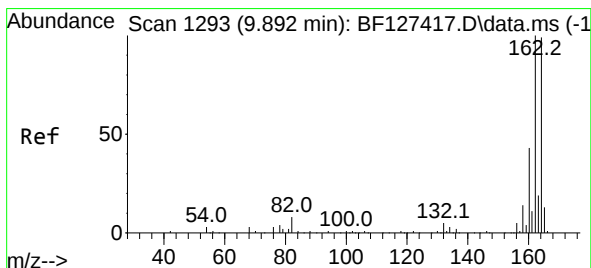
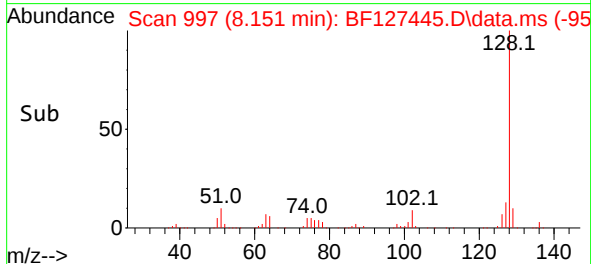
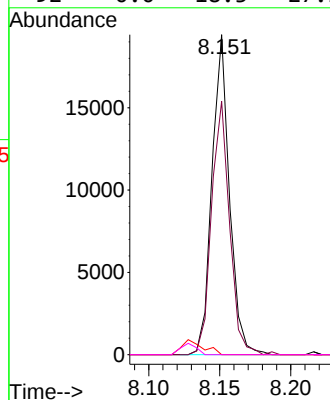
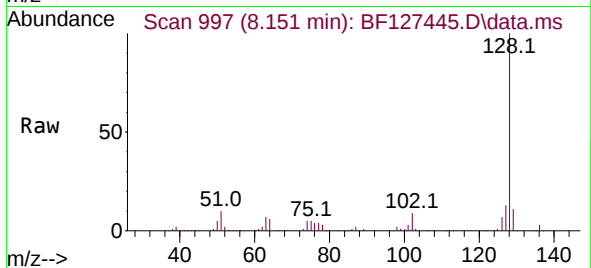




#33
4-Chloroaniline
Concen: 2.161 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

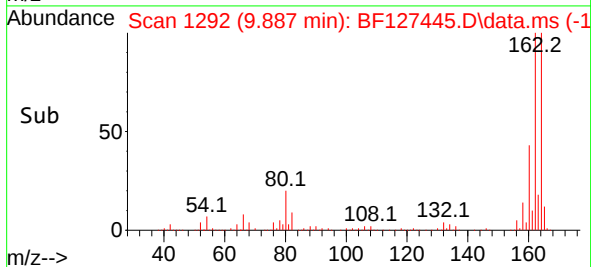
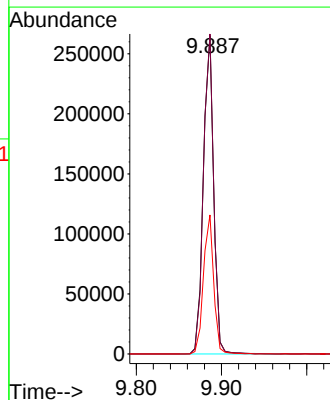
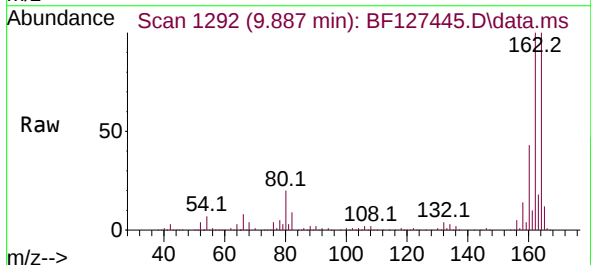
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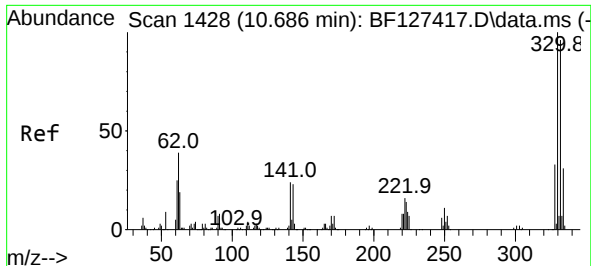
Tgt Ion:127	Resp: 16624
Ion Ratio	Lower Upper
127 100	
129 79.2	25.9 38.9#
65 0.0	31.4 47.0#
92 0.0	18.3 27.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.887 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:164	Resp: 222892
Ion Ratio	Lower Upper
164 100	
162 100.5	81.2 121.8
160 43.6	34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 132.543 ng

RT: 10.681 min Scan# 1428

Delta R.T. -0.006 min

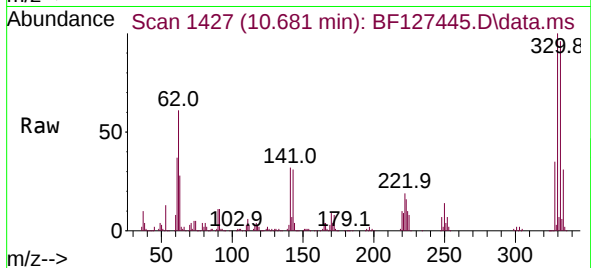
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Acq: 22 Mar 2022 09:56

Instrument :

BNA_F

ClientSampleId :



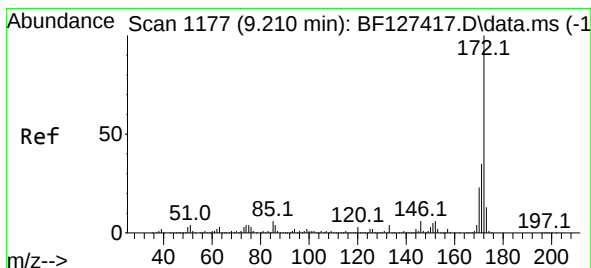
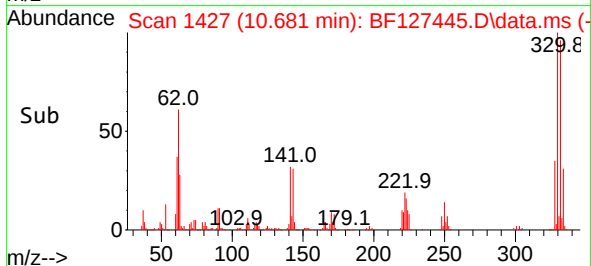
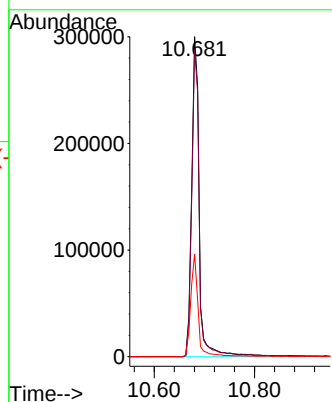
Tgt Ion:330 Resp: 314706

Ion Ratio Lower Upper

330 100

332 94.5 79.1 118.7

141 31.1 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 85.213 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

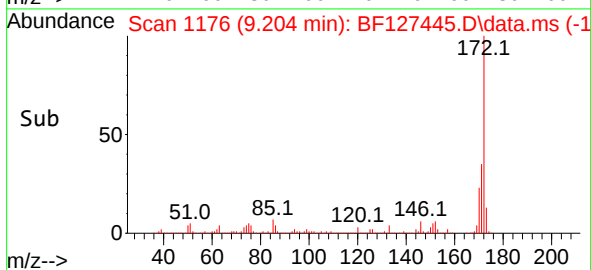
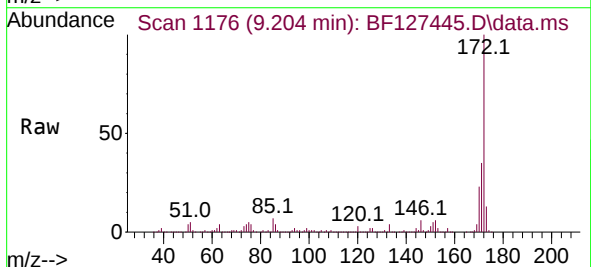
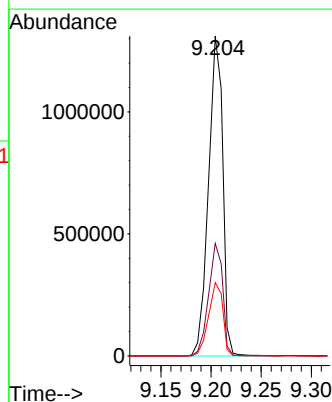
Tgt Ion:172 Resp: 1300708

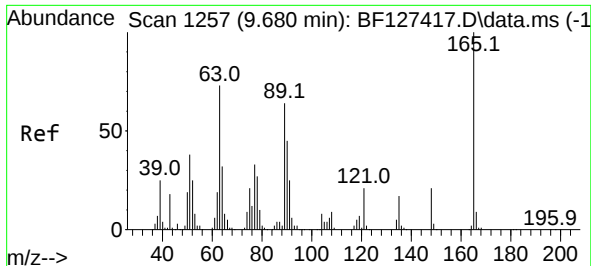
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 22.9 18.6 27.8

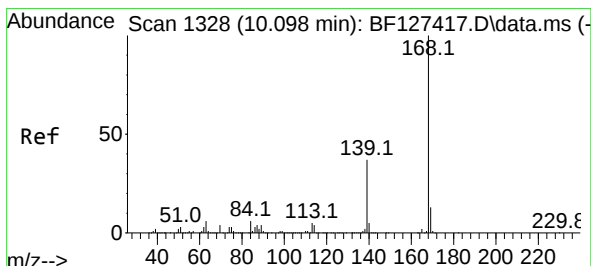
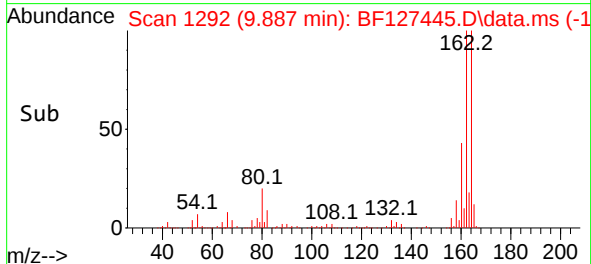
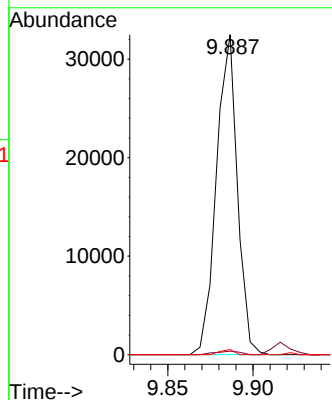
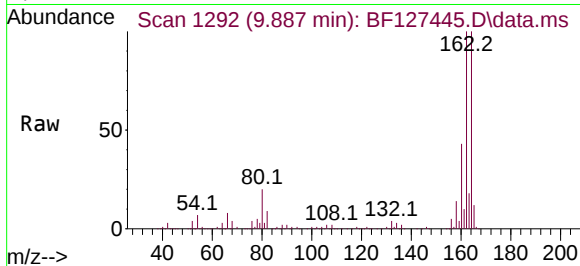




#51
2,6-Dinitrotoluene
Concen: 8.511 ng
RT: 9.887 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

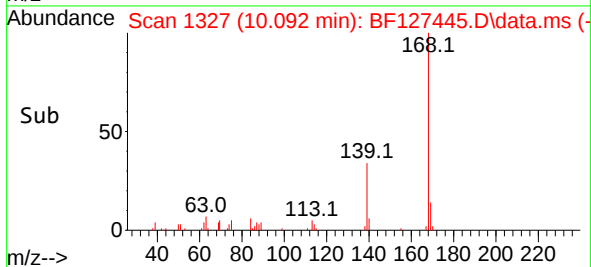
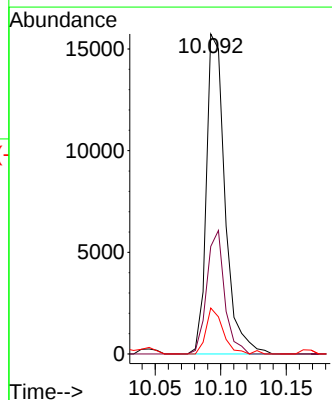
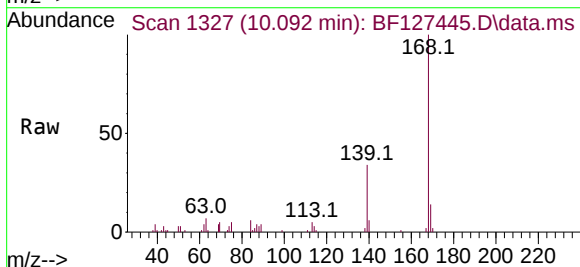
Instrument :
BNA_F
ClientSampleId :

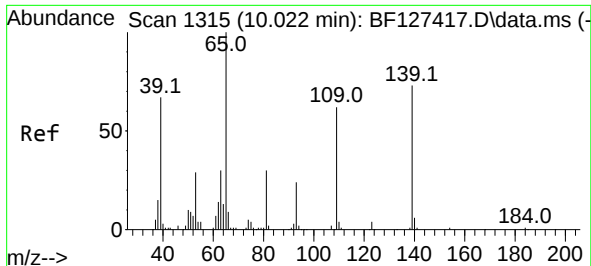
Tgt Ion:165 Resp: 27703
Ion Ratio Lower Upper
165 100
63 1.1 58.3 87.5#
89 1.6 51.5 77.3#



#55
Dibenzofuran
Concen: Below Cal
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:168 Resp: 15592
Ion Ratio Lower Upper
168 100
139 33.6 30.3 45.5
169 14.4 10.8 16.2

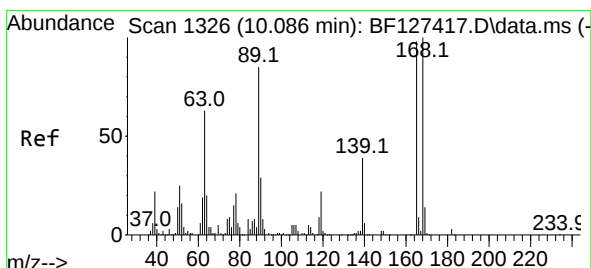
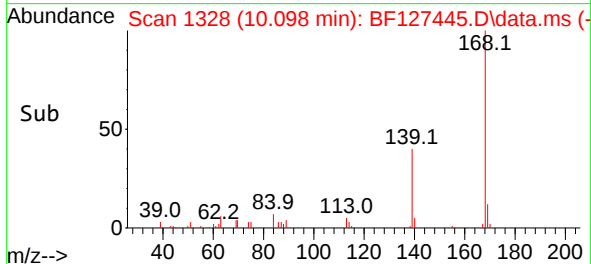
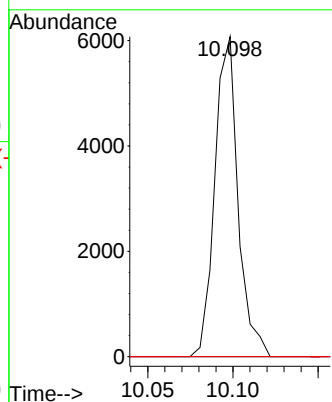
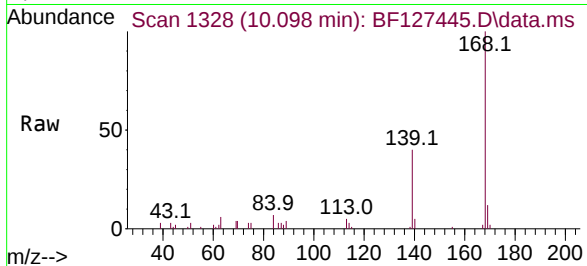




#56
4-Nitrophenol
Concen: 3.162 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

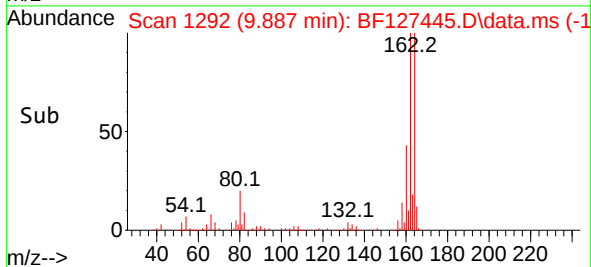
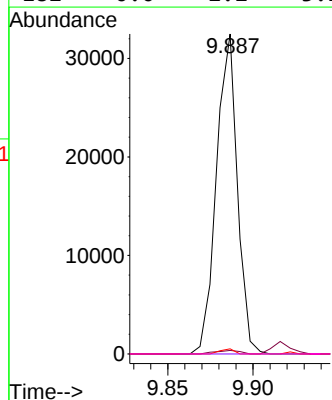
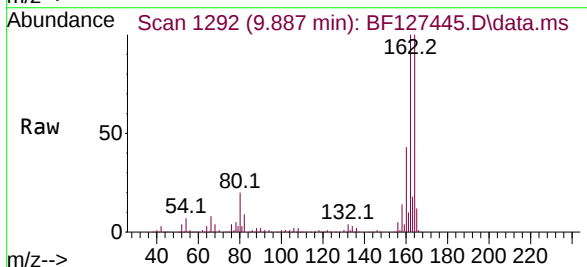
Instrument :
BNA_F
ClientSampleId :

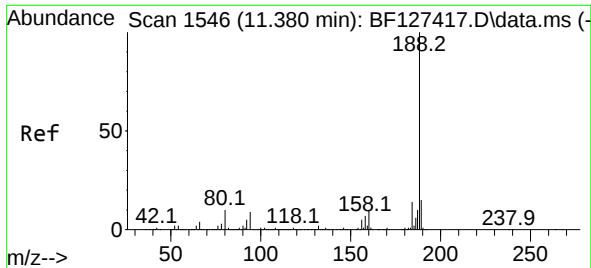
Tgt Ion:139 Resp: 5746
Ion Ratio Lower Upper
139 100
109 0.0 64.3 104.3#
65 0.0 117.5 157.5#



#57
2,4-Dinitrotoluene
Concen: 6.612 ng
RT: 9.887 min Scan# 1292
Delta R.T. -0.199 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:165 Resp: 27703
Ion Ratio Lower Upper
165 100
63 1.1 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#

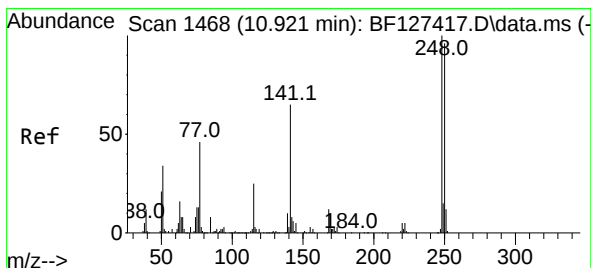
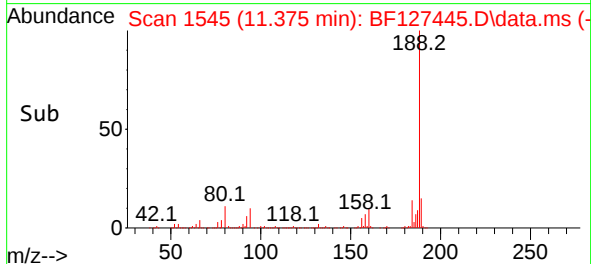
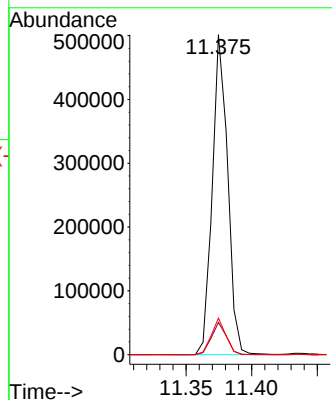
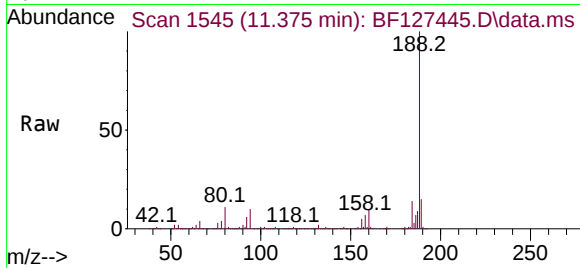




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

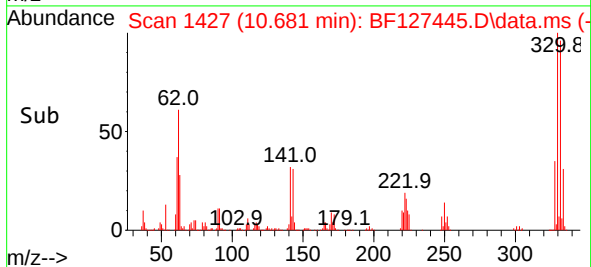
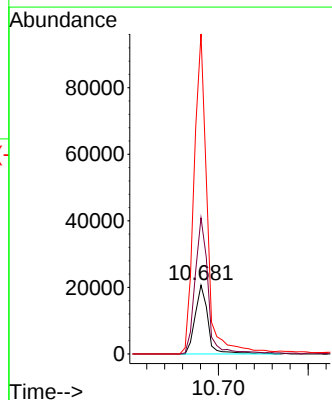
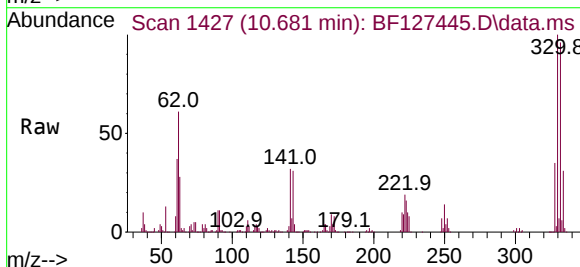
Instrument :
BNA_F
ClientSampleId :

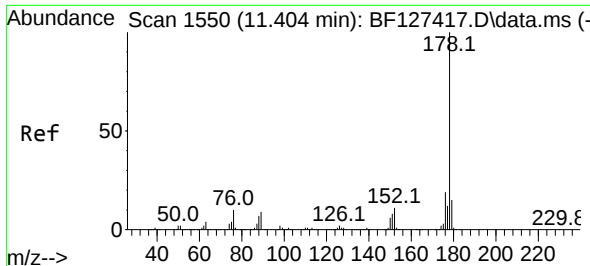
Tgt Ion:188 Resp: 409437
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.0
80 11.4 8.0 12.0



#67
4-Bromophenyl-phenylether
Concen: 4.301 ng
RT: 10.681 min Scan# 1427
Delta R.T. -0.241 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:248 Resp: 20560
Ion Ratio Lower Upper
248 100
250 198.0 76.6 115.0#
141 465.2 52.2 78.2#

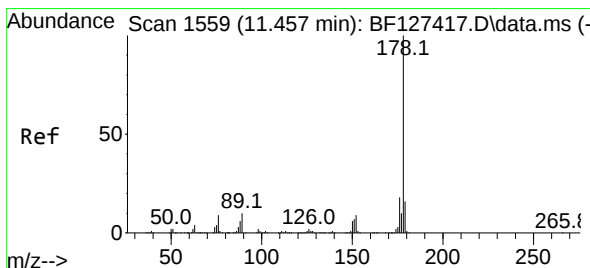
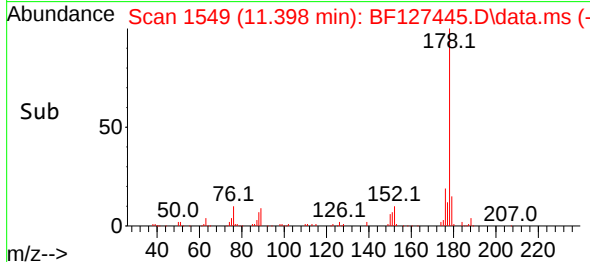
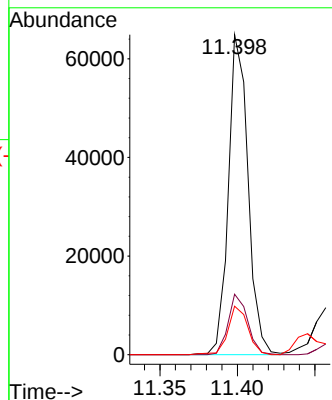
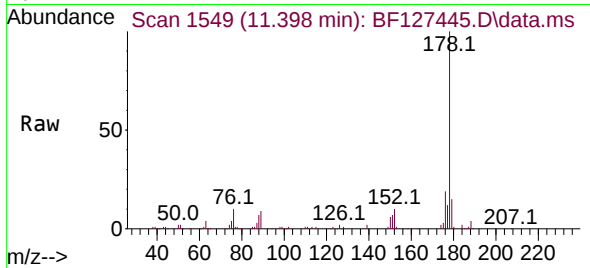




#71
Phenanthrene
Concen: 2.675 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

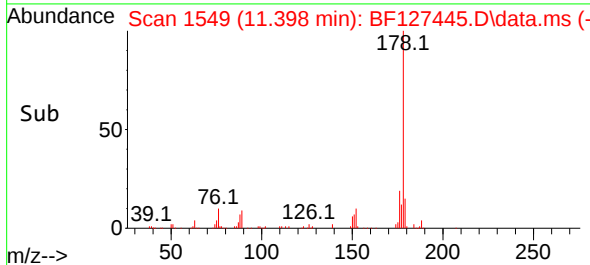
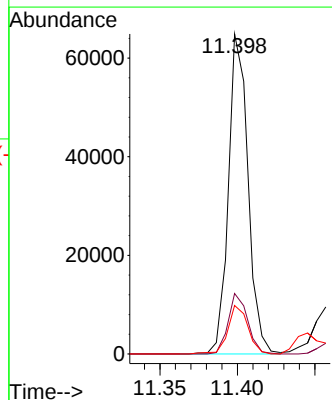
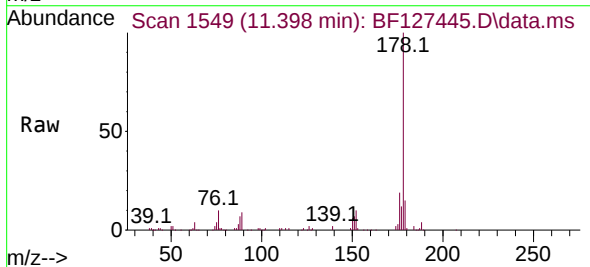
Instrument :
BNA_F
ClientSampleId :

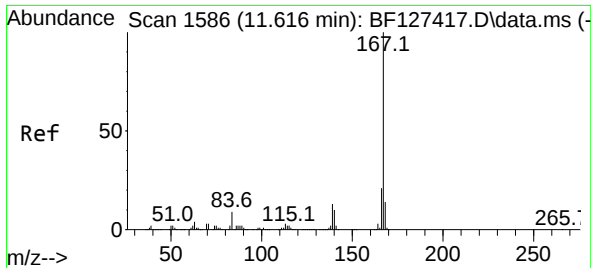
Tgt Ion:178 Resp: 57110
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.2 12.4 18.6



#72
Anthracene
Concen: 2.696 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.059 min
Lab File: BF127445.D
Acq: 22 Mar 2022 09:56

Tgt Ion:178 Resp: 57110
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.2 12.4 18.6

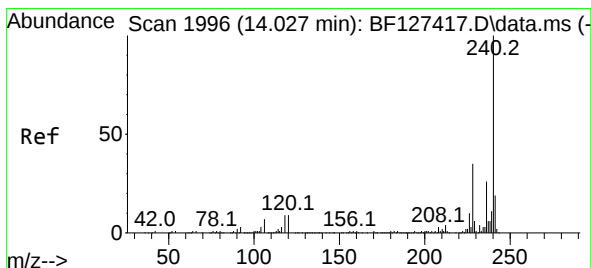
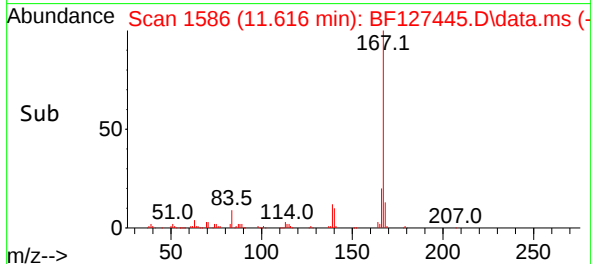
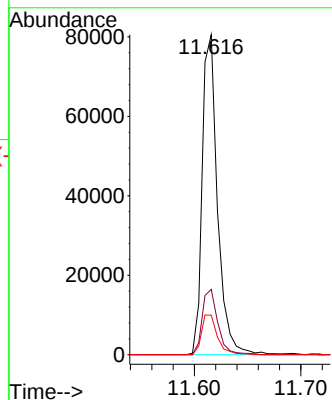
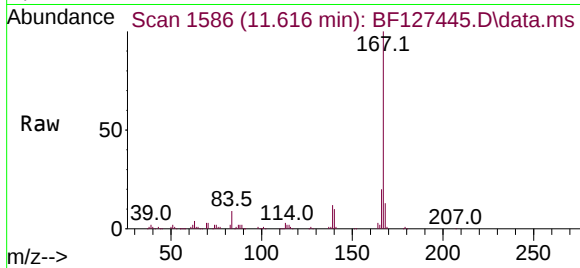




#73
 Carbazole
 Concen: 3.982 ng
 RT: 11.616 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127445.D
 Acq: 22 Mar 2022 09:56

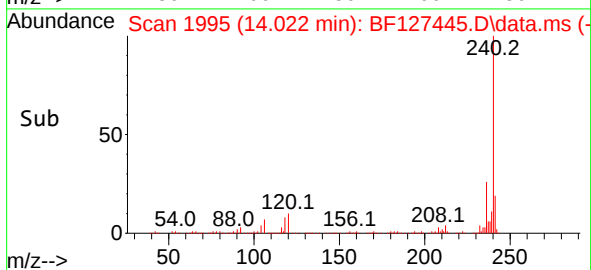
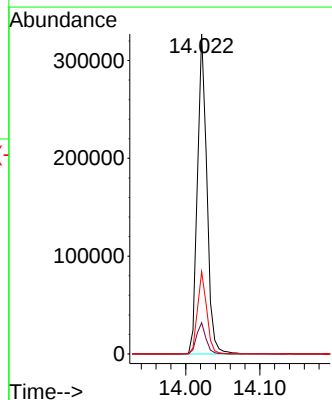
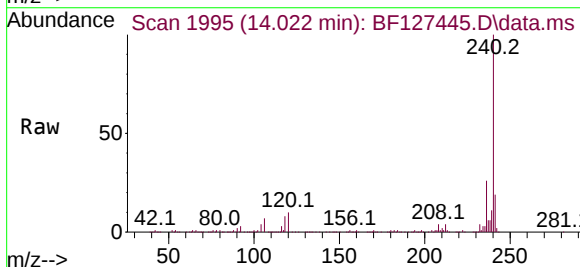
Instrument :
 BNA_F
 ClientSampleId :

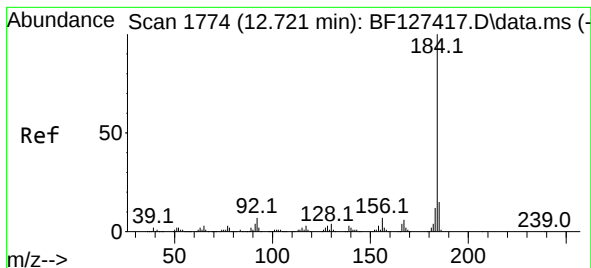
Tgt Ion:167 Resp: 80656
 Ion Ratio Lower Upper
 167 100
 166 20.4 17.0 25.4
 139 12.4 10.5 15.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.022 min Scan# 1995
 Delta R.T. -0.006 min
 Lab File: BF127445.D
 Acq: 22 Mar 2022 09:56

Tgt Ion:240 Resp: 287951
 Ion Ratio Lower Upper
 240 100
 120 9.8 7.1 10.7
 236 25.7 20.7 31.1





#77

Benzidine

Concen: 2.829 ng

RT: 12.963 min Scan# 1815

Delta R.T. 0.241 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

Instrument :

BNA_F

ClientSampleId :

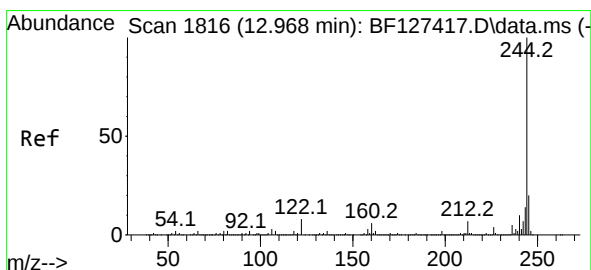
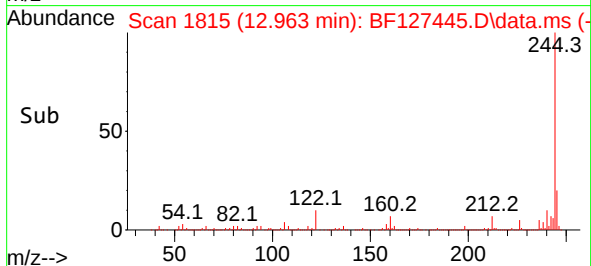
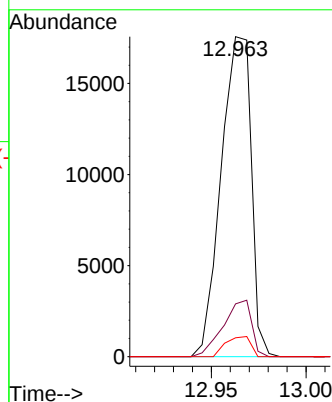
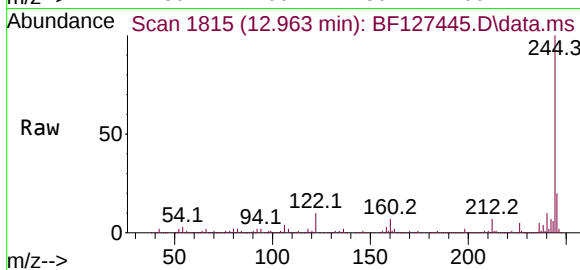
Tgt Ion:184 Resp: 19425

Ion Ratio Lower Upper

184 100

185 16.5 12.2 18.2

183 5.9 9.4 14.0#



#79

Terphenyl-d14

Concen: 89.132 ng

RT: 12.969 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF127445.D

Acq: 22 Mar 2022 09:56

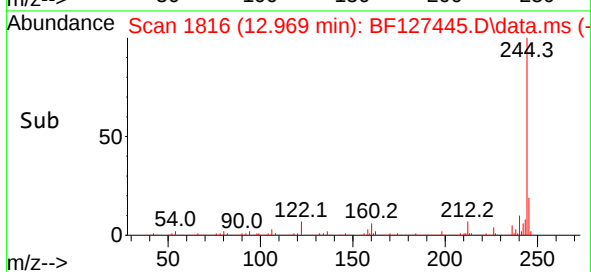
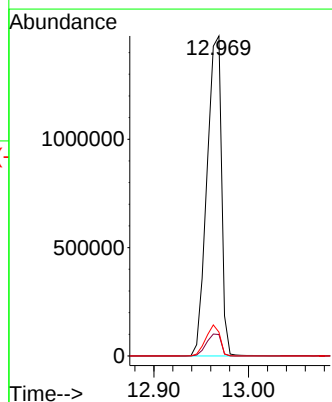
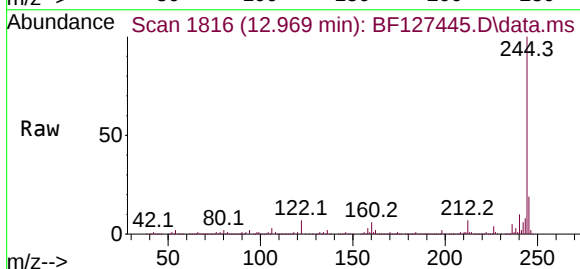
Tgt Ion:244 Resp: 1567827

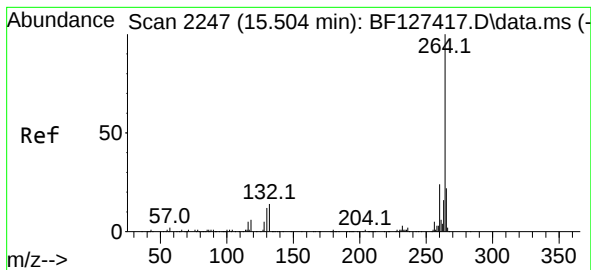
Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

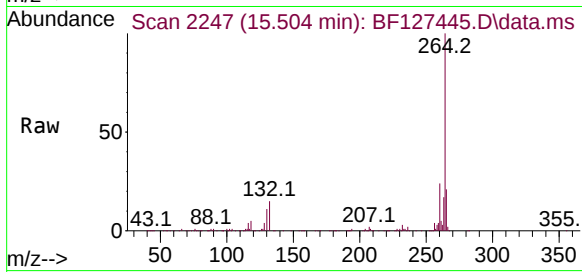
122 7.4 6.2 9.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF127445.D
 Acq: 22 Mar 2022 09:56

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 202575

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.1	28.7
265	21.1	17.4	26.2

