

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133497.D
 Acq On : 25 May 2023 20:05
 Operator : CG\JU
 Sample : 02888-01DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-H4(BHF)DL

Quant Time: May 26 02:08:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

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

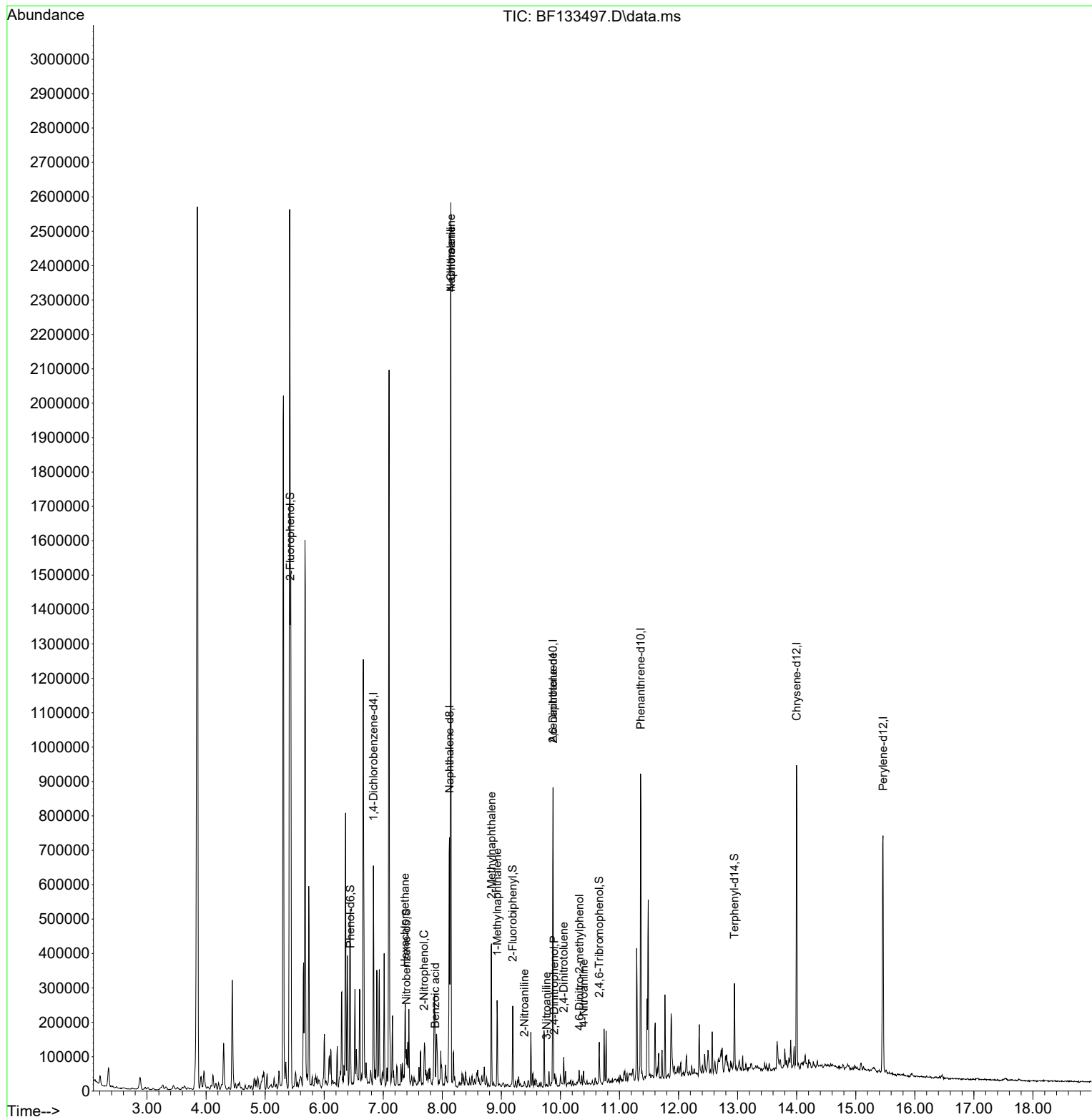
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	81237	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	310765	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	152636	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	314700	20.000	ng	0.00
76) Chrysene-d12	13.998	240	278095	20.000	ng	-0.01
86) Perylene-d12	15.462	264	309713	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	36337	7.463	ng	-0.02
7) Phenol-d6	6.445	99	45531	7.596	ng	-0.02
23) Nitrobenzene-d5	7.392	82	24778	5.324	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	10898	7.163	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	54980	5.560	ng	-0.01
79) Terphenyl-d14	12.945	244	73791	4.718	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	12966	Below Cal	#	1
18) Hexachloroethane	7.369	117	16256	8.804	ng	# 1
26) 2-Nitrophenol	7.692	139	189	4.817	ng	# 1
31) Naphthalene	8.145	128	1039038	68.964	ng	99
32) Benzoic acid	7.881	122	139	7.388	ng	# 1
33) 4-Chloroaniline	8.145	127	137721	21.328	ng	# 33
37) 2-Methylnaphthalene	8.833	142	103274	10.040	ng	99
38) 1-Methylnaphthalene	8.928	142	57079	5.953	ng	99
48) 2-Nitroaniline	9.392	65	378	4.111	ng	# 28
51) 2,6-Dinitrotoluene	9.875	165	20851	13.121	ng	# 18
53) 3-Nitroaniline	9.763	138	219	3.260	ng	# 1
54) 2,4-Dinitrophenol	9.892	184	64	6.594	ng	# 1
57) 2,4-Dinitrotoluene	10.057	165	832	5.042	ng	# 49
62) 4-Nitroaniline	10.392	138	962	3.335	ng	# 41
65) 4,6-Dinitro-2-methylph...	10.322	198	59	8.749	ng	# 1

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

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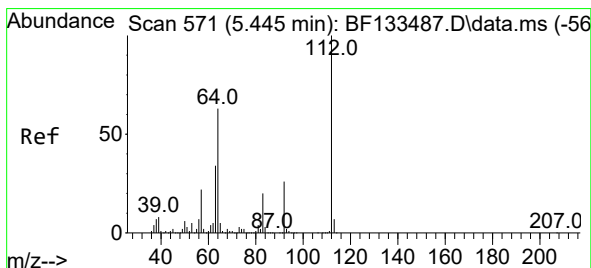
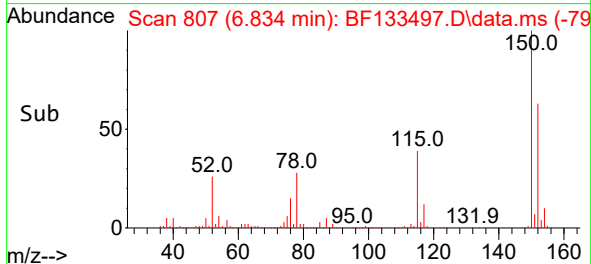
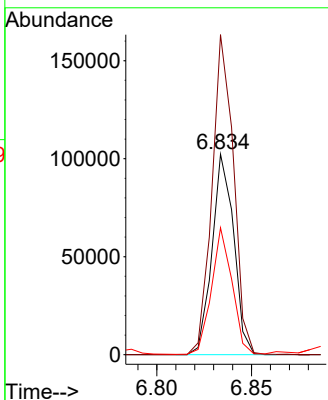
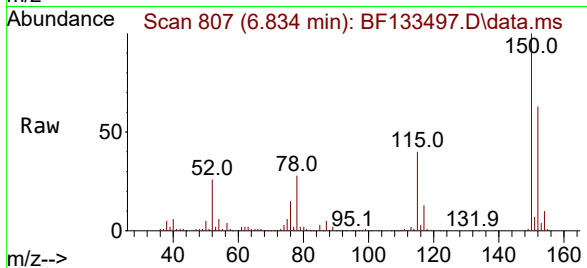




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

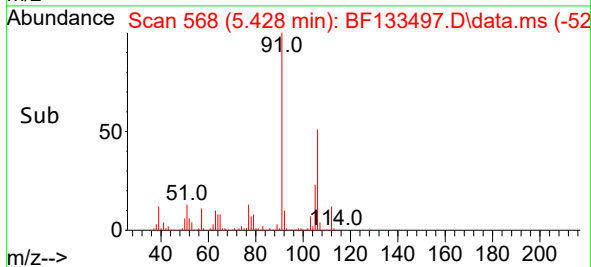
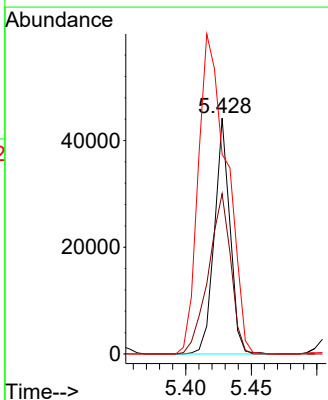
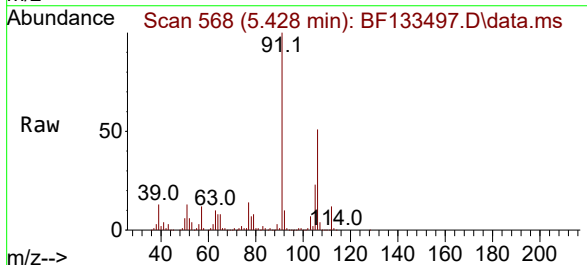
Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL

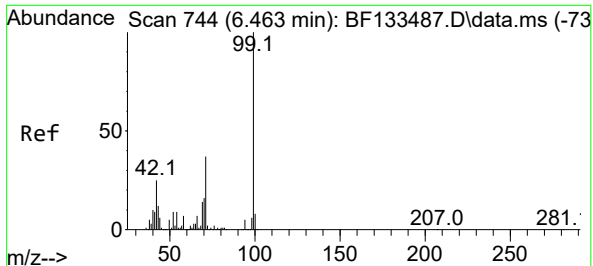
Tgt Ion:152 Resp: 81237
Ion Ratio Lower Upper
152 100
150 159.6 124.9 187.3
115 63.3 48.1 72.1



#5
2-Fluorophenol
Concen: 7.463 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.018 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:112 Resp: 36337
Ion Ratio Lower Upper
112 100
64 68.0 50.1 75.1
63 84.7 27.5 41.3#

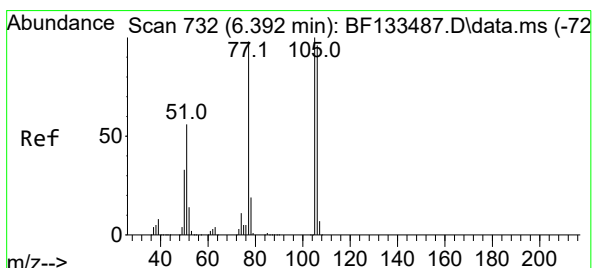
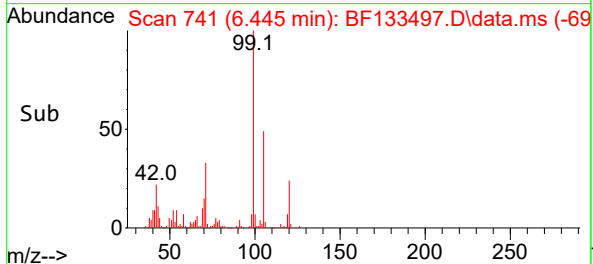
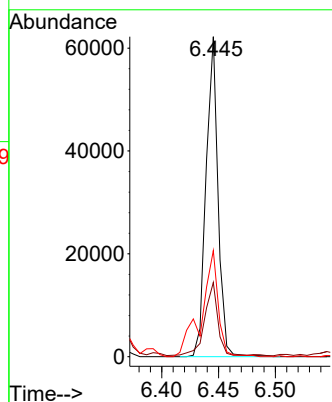
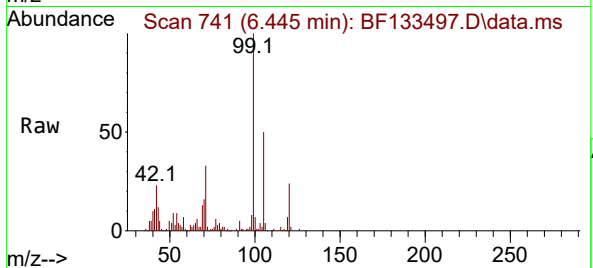




#7
Phenol-d6
Concen: 7.596 ng
RT: 6.445 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

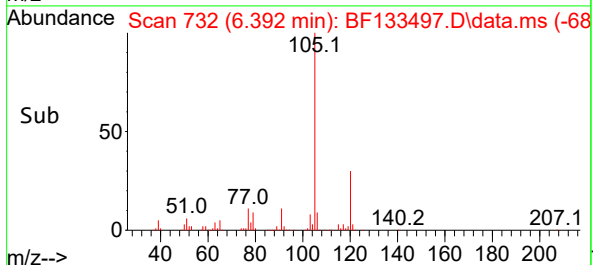
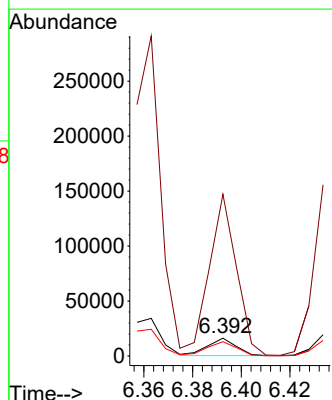
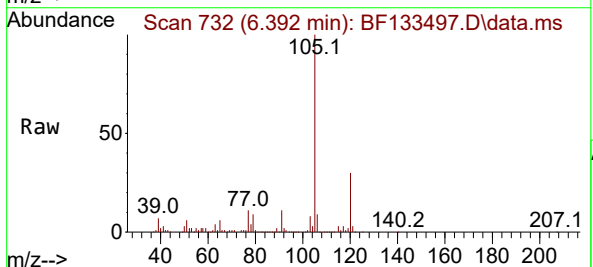
Instrument :
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ClientSampleId :
S-H4(BHF)DL

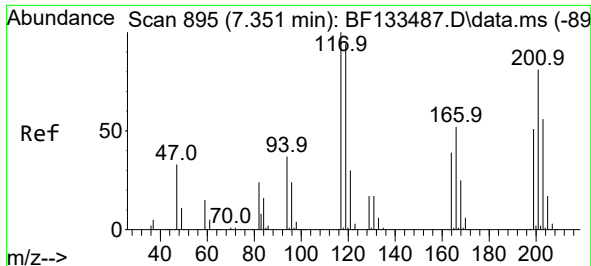
Tgt Ion: 99 Resp: 45531
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 33.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.392 min Scan# 732
Delta R.T. 0.000 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion: 77 Resp: 12966
Ion Ratio Lower Upper
77 100
105 906.7 81.9 121.9#
106 79.7 77.8 117.8

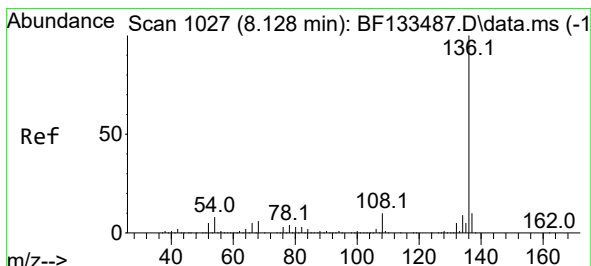
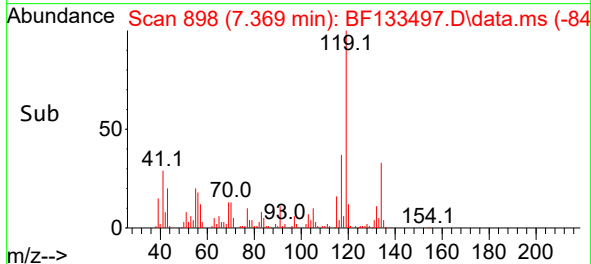
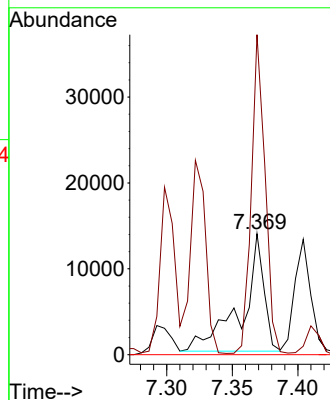
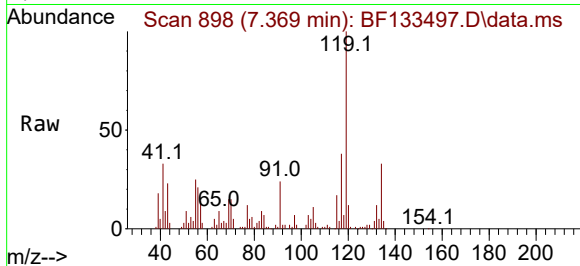




#18
Hexachloroethane
Concen: 8.804 ng
RT: 7.369 min Scan# 89
Delta R.T. 0.018 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

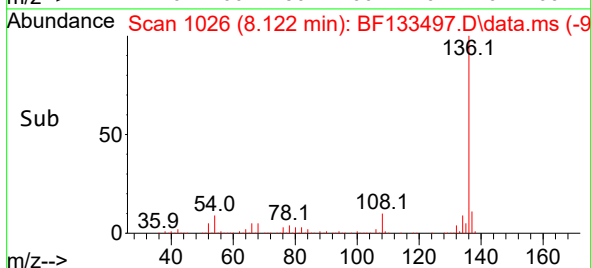
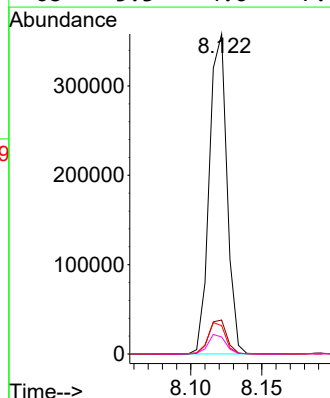
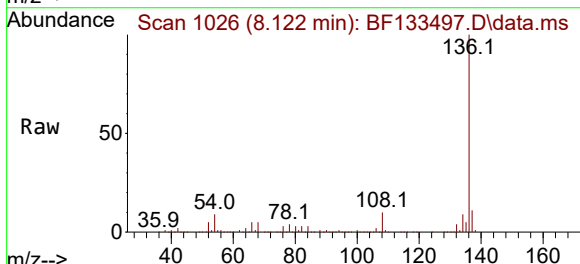
Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL

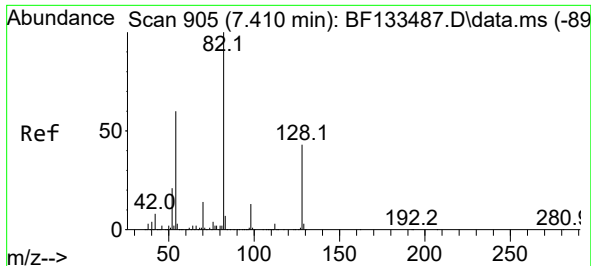
Tgt Ion:117 Resp: 16256
Ion Ratio Lower Upper
117 100
119 264.5 74.9 112.3#
201 0.0 64.8 97.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:136 Resp: 310765
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 8.8 6.6 10.0
68 5.3 4.6 7.0

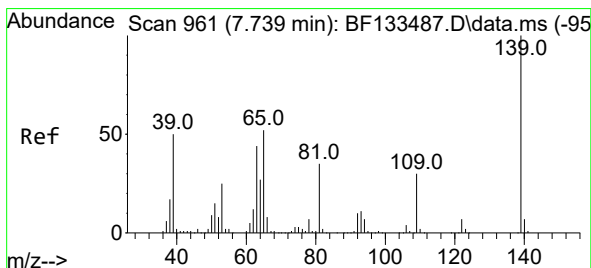
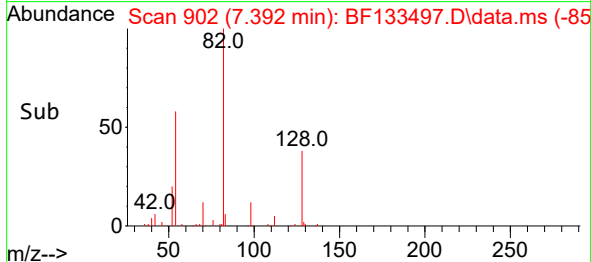
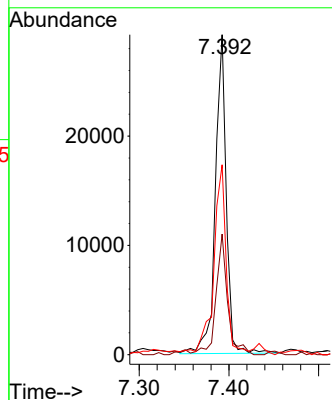
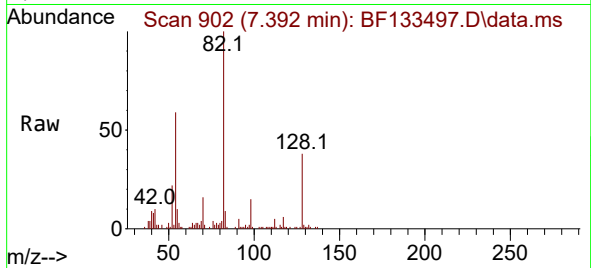




#23
Nitrobenzene-d5
Concen: 5.324 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.018 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

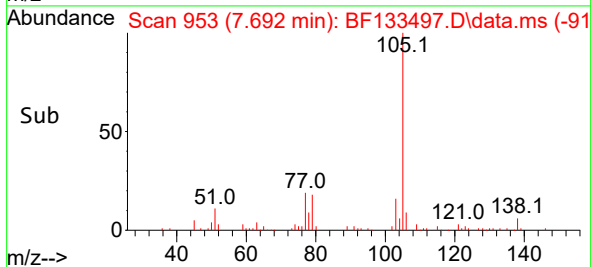
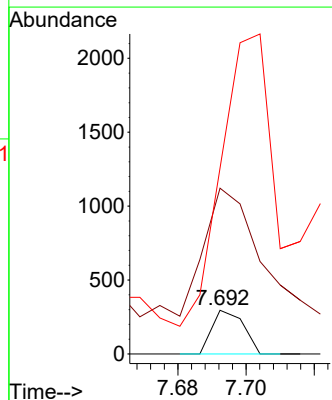
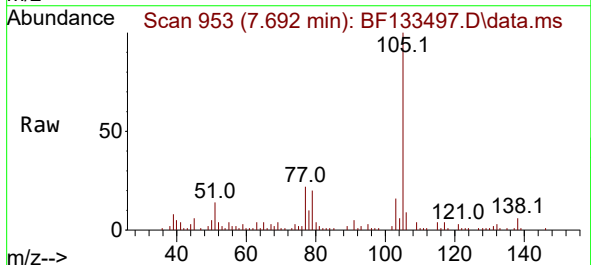
Instrument :
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ClientSampleId :
S-H4(BHF)DL

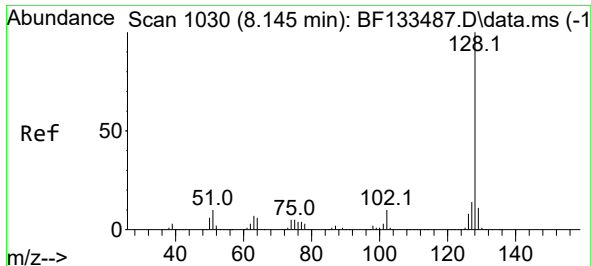
Tgt Ion: 82 Resp: 24778
Ion Ratio Lower Upper
82 100
128 37.7 34.2 51.4
54 59.3 48.2 72.4



#26
2-Nitrophenol
Concen: 4.817 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.047 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:139 Resp: 189
Ion Ratio Lower Upper
139 100
109 379.1 24.0 36.0#
65 425.0 41.7 62.5#

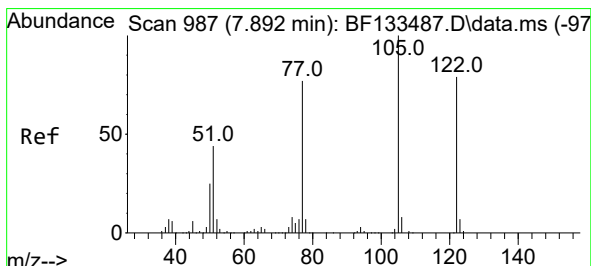
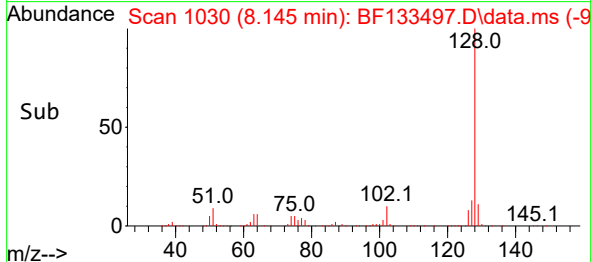
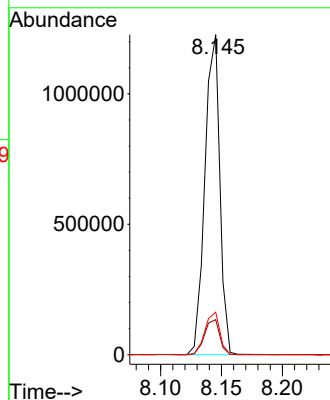
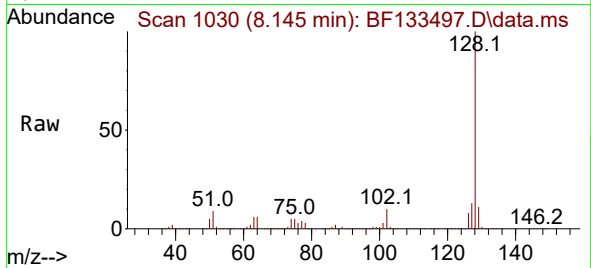




#31
Naphthalene
Concen: 68.964 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

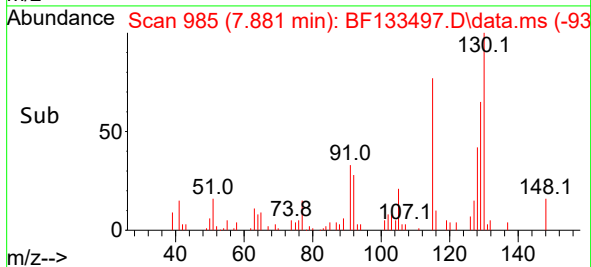
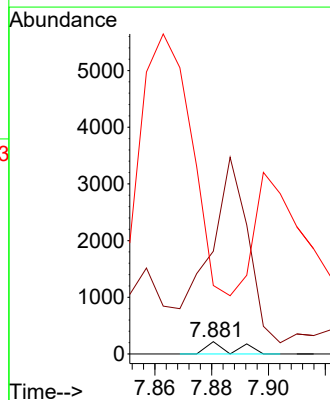
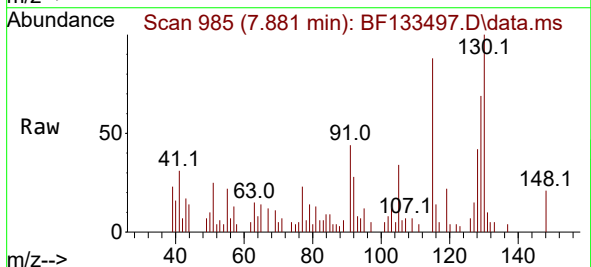
Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL

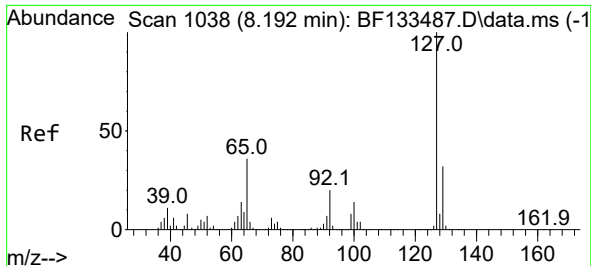
Tgt Ion:128 Resp: 1039038
Ion Ratio Lower Upper
128 100
129 10.9 9.2 13.8
127 13.3 10.9 16.3



#32
Benzoic acid
Concen: 7.388 ng
RT: 7.881 min Scan# 985
Delta R.T. -0.011 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:122 Resp: 139
Ion Ratio Lower Upper
122 100
105 830.7 103.3 143.3#
77 554.6 75.7 115.7#





#33
4-Chloroaniline
Concen: 21.328 ng
RT: 8.145 min Scan# 1038
Delta R.T. -0.047 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

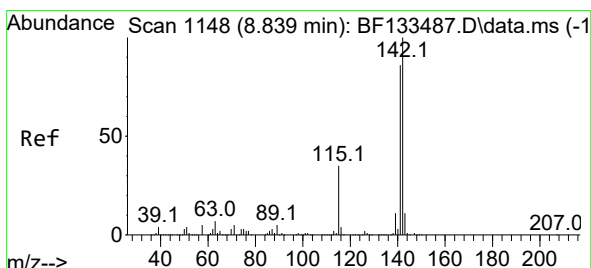
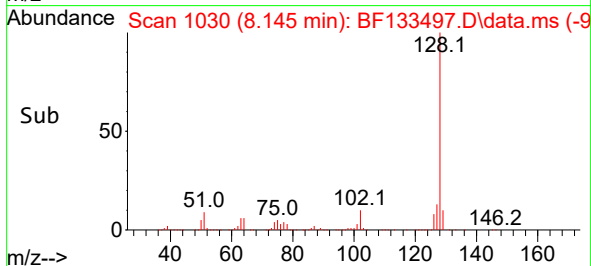
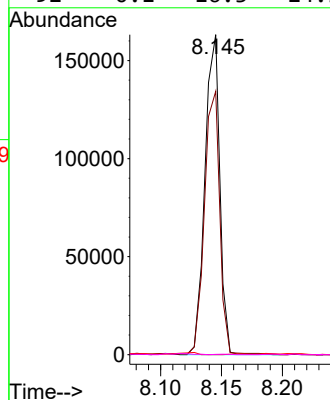
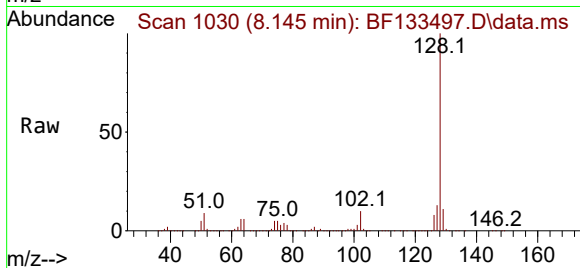
Instrument :

BNA_F

ClientSampleId :

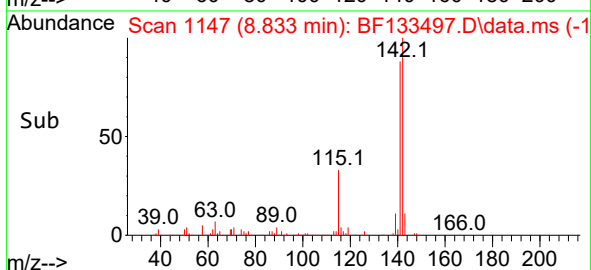
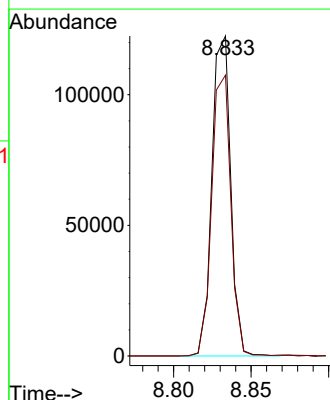
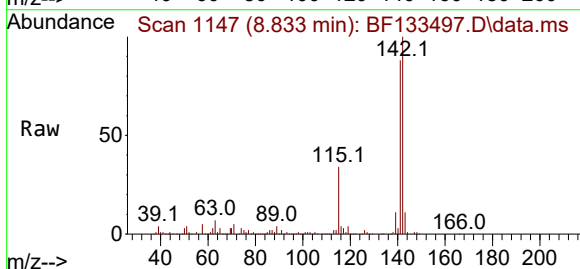
S-H4(BHF)DL

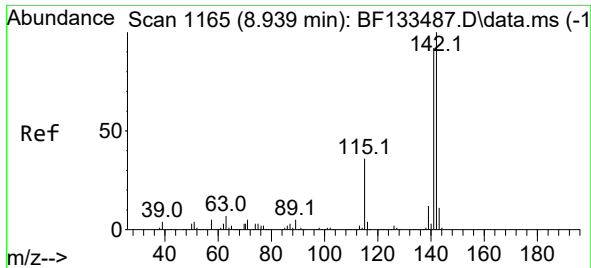
Tgt Ion:127 Resp: 137721
Ion Ratio Lower Upper
127 100
129 82.3 25.9 38.9#
65 0.0 29.0 43.6#
92 0.1 16.3 24.5#



#37
2-Methylnaphthalene
Concen: 10.040 ng
RT: 8.833 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:142 Resp: 103274
Ion Ratio Lower Upper
142 100
141 87.8 69.2 103.8

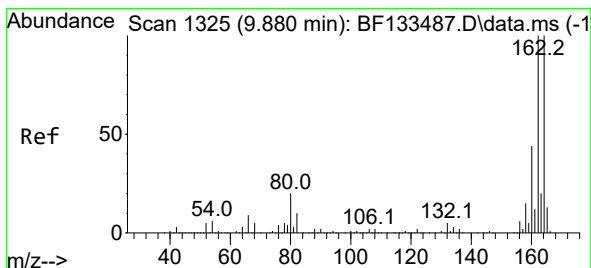
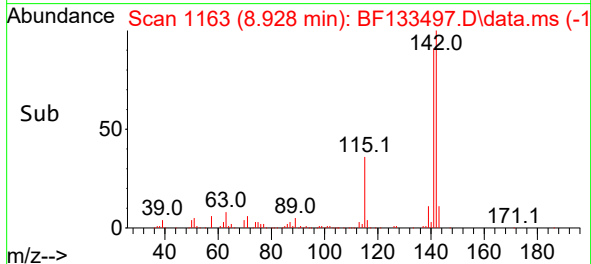
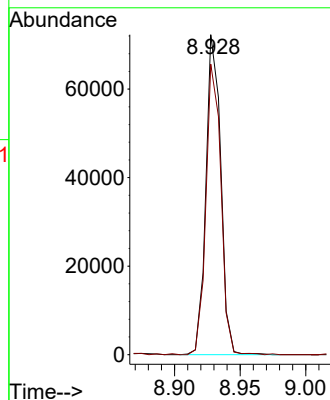
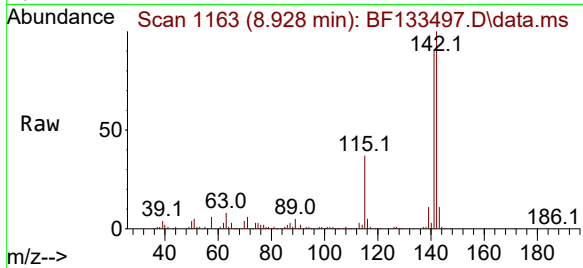




#38
1-Methylnaphthalene
Concen: 5.953 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.011 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

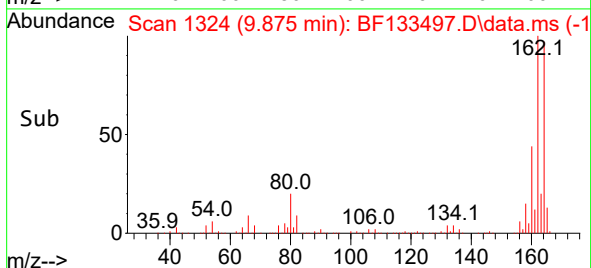
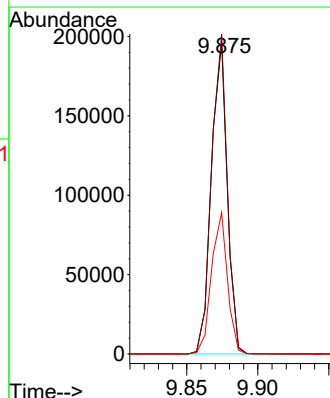
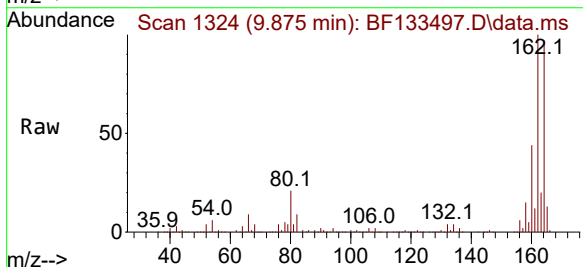
Instrument :
BNA_F
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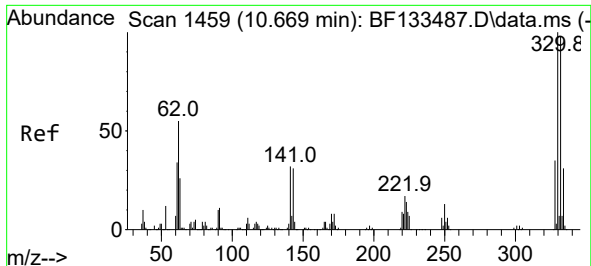
Tgt Ion:142 Resp: 57079
Ion Ratio Lower Upper
142 100
141 90.8 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:164 Resp: 152636
Ion Ratio Lower Upper
164 100
162 102.8 79.7 119.5
160 45.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 7.163 ng

RT: 10.657 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

S-H4(BHF)DL

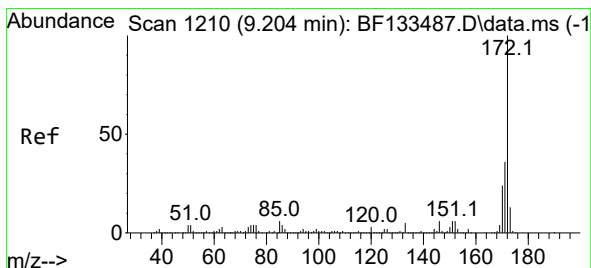
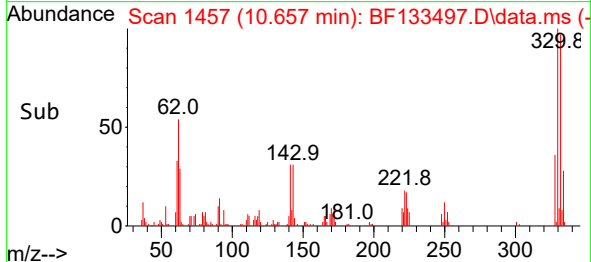
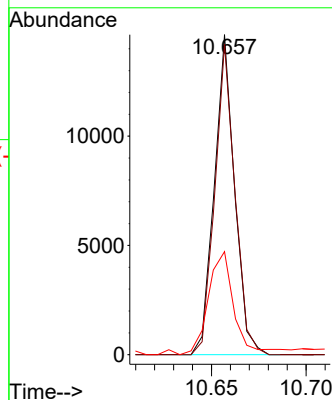
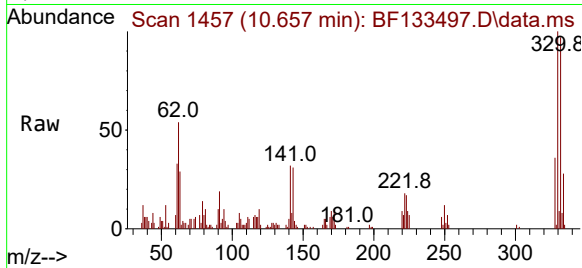
Tgt Ion:330 Resp: 10898

Ion Ratio Lower Upper

330 100

332 96.3 77.8 116.6

141 42.5 26.6 40.0#



#45

2-Fluorobiphenyl

Concen: 5.560 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

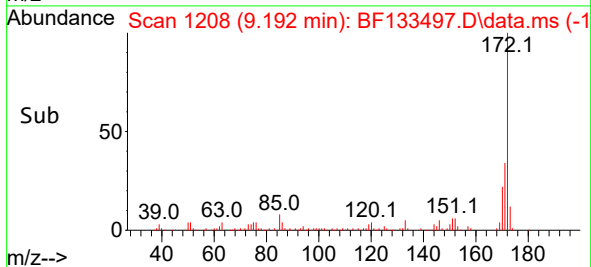
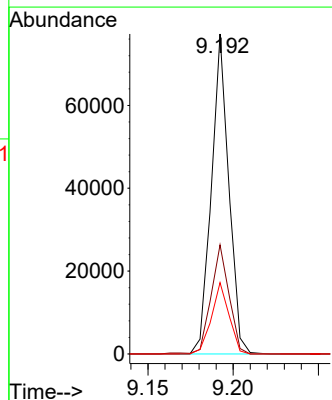
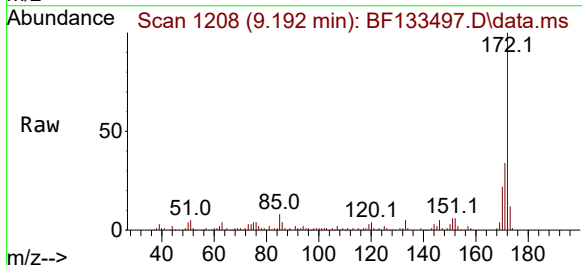
Tgt Ion:172 Resp: 54980

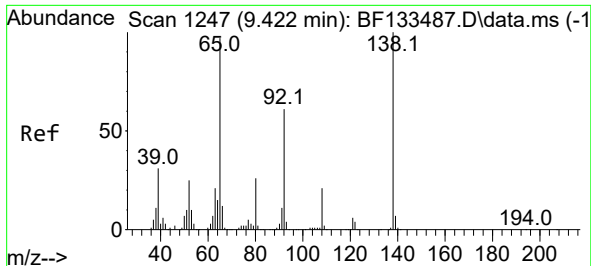
Ion Ratio Lower Upper

172 100

171 34.1 28.4 42.6

170 22.3 19.3 28.9





#48
2-Nitroaniline
Concen: 4.111 ng
RT: 9.392 min Scan# 11
Delta R.T. -0.030 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

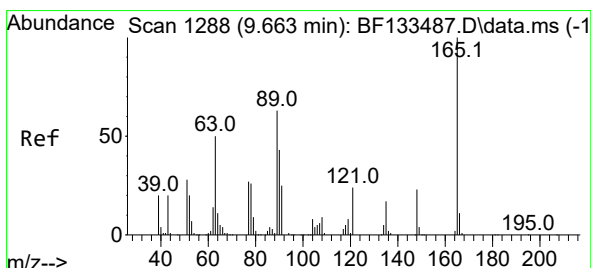
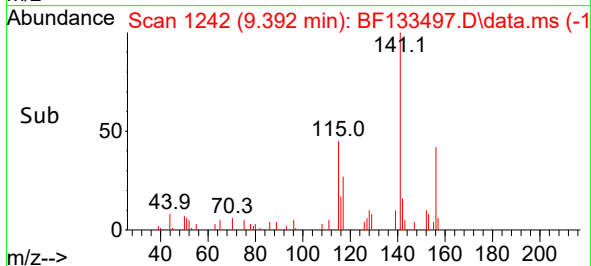
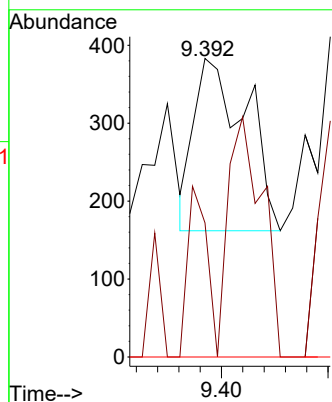
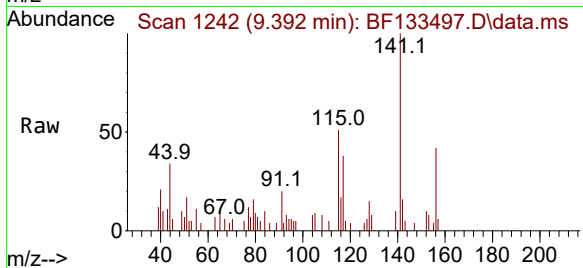
Instrument :

BNA_F

ClientSampleId :

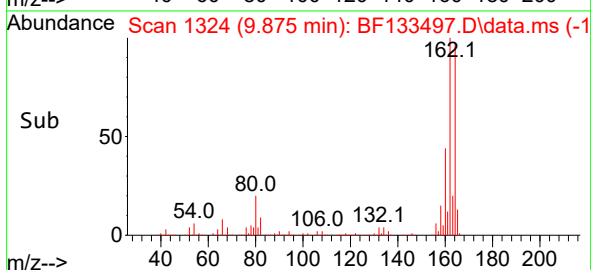
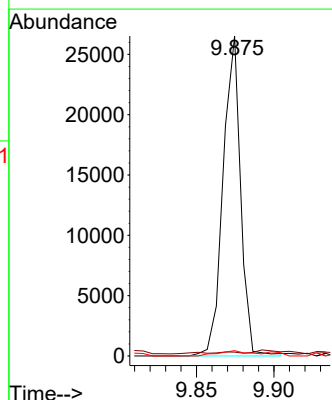
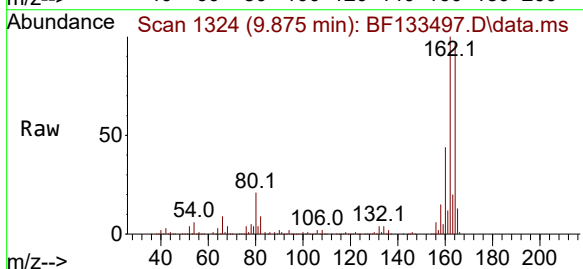
S-H4(BHF)DL

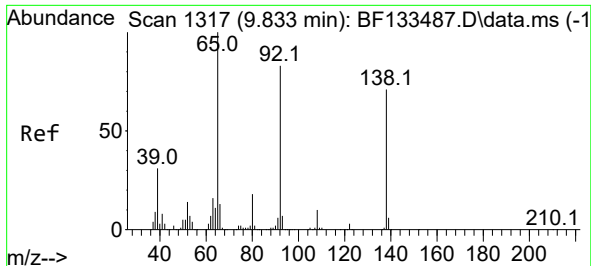
Tgt Ion: 65 Resp: 378
Ion Ratio Lower Upper
65 100
92 44.9 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 13.121 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion: 165 Resp: 20851
Ion Ratio Lower Upper
165 100
63 1.2 57.0 85.4#
89 1.7 50.8 76.2#

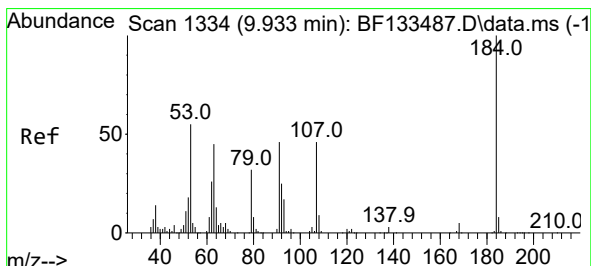
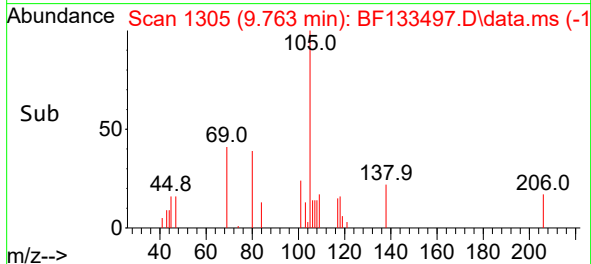
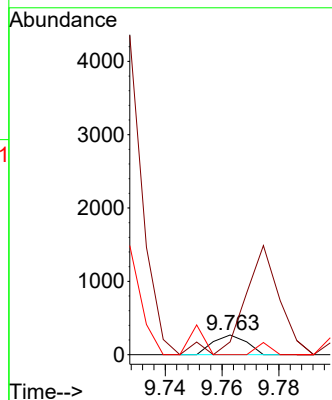
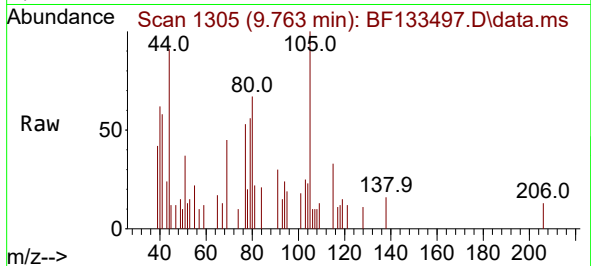




#53
3-Nitroaniline
Concen: 3.260 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.070 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

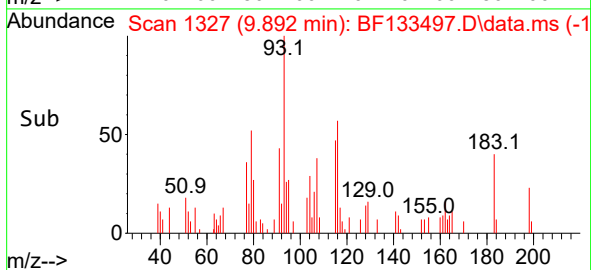
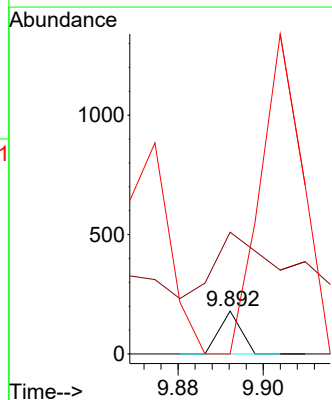
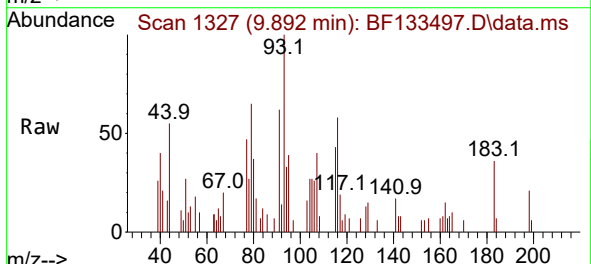
Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL

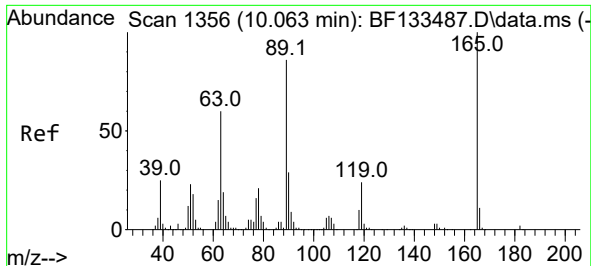
Tgt Ion:138 Resp: 219
Ion Ratio Lower Upper
138 100
108 64.7 11.9 17.9#
92 0.0 93.1 139.7#



#54
2,4-Dinitrophenol
Concen: 6.594 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.041 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:184 Resp: 64
Ion Ratio Lower Upper
184 100
63 283.3 55.7 83.5#
154 0.0 49.3 73.9#

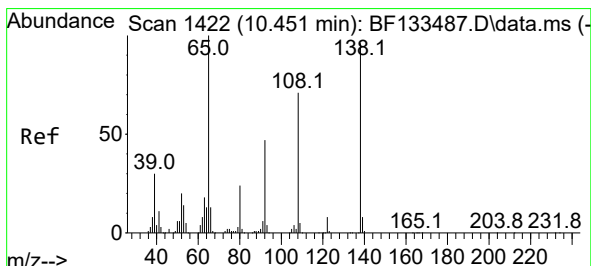
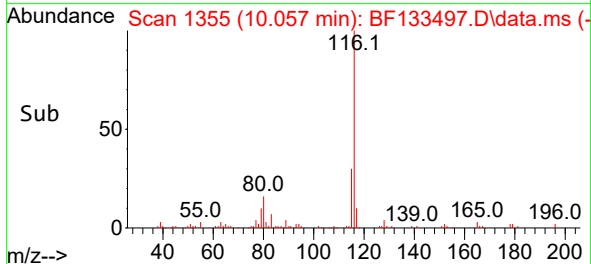
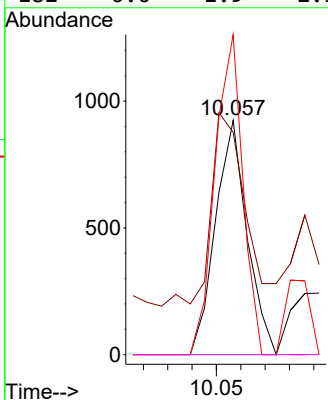
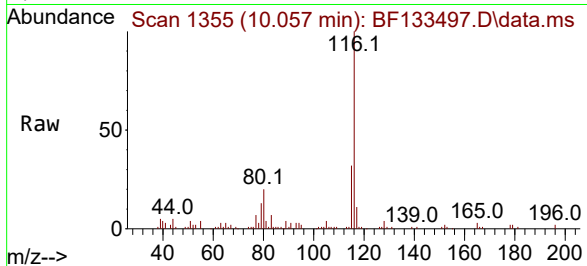




#57
2,4-Dinitrotoluene
Concen: 5.042 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

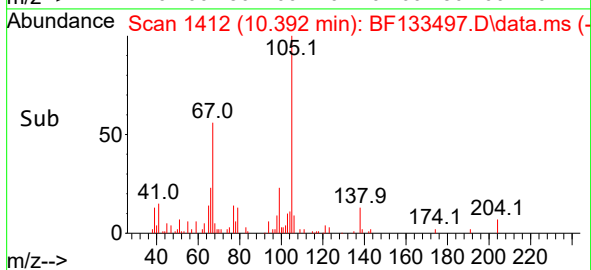
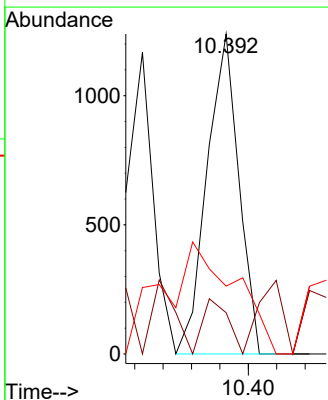
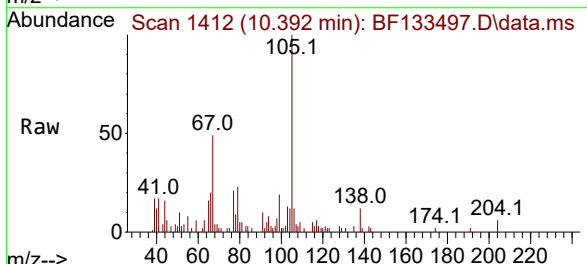
Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL

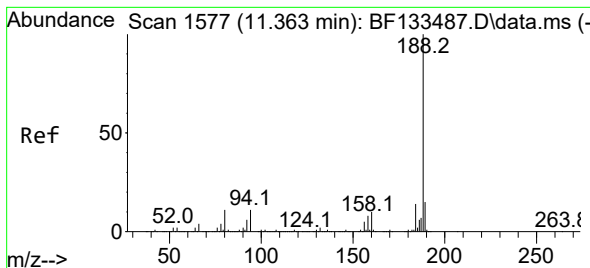
Tgt Ion:165 Resp: 832
Ion Ratio Lower Upper
165 100
63 94.9 48.1 72.1#
89 136.6 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.335 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.059 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Tgt Ion:138 Resp: 962
Ion Ratio Lower Upper
138 100
92 12.9 28.4 68.4#
108 21.2 54.2 94.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

S-H4(BHF)DL

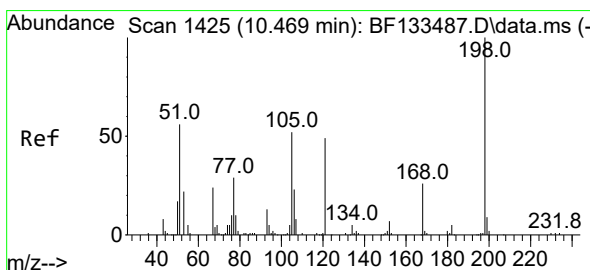
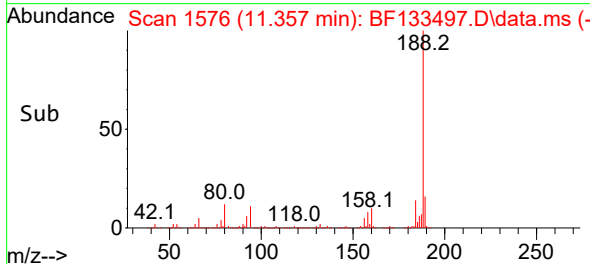
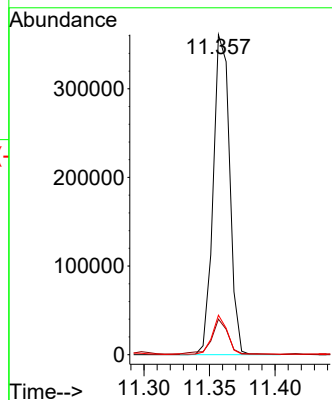
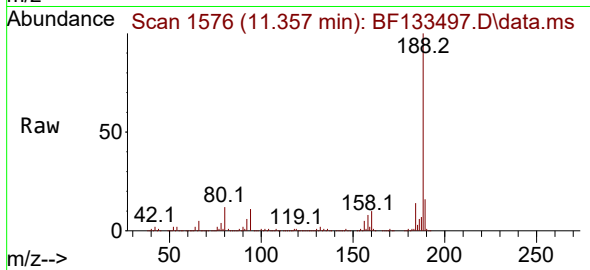
Tgt Ion:188 Resp: 314700

Ion Ratio Lower Upper

188 100

94 11.1 8.6 12.8

80 12.4 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.749 ng

RT: 10.322 min Scan# 1400

Delta R.T. -0.147 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

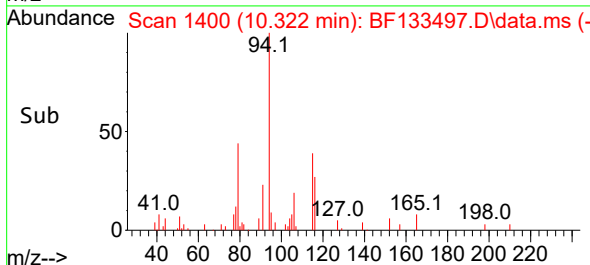
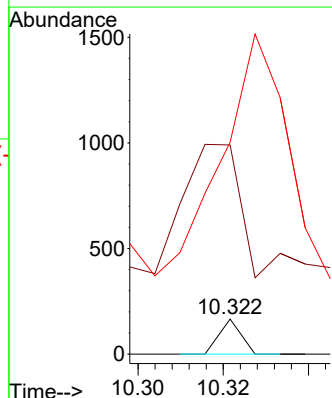
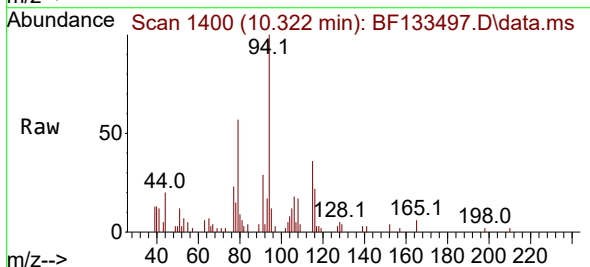
Tgt Ion:198 Resp: 59

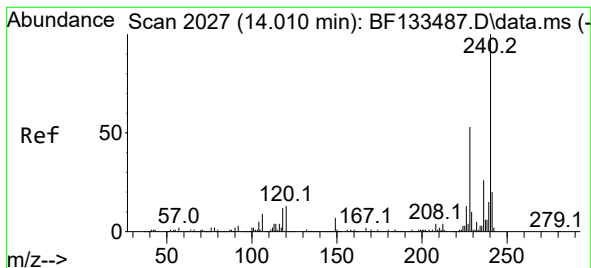
Ion Ratio Lower Upper

198 100

51 596.4 53.6 93.6#

105 604.2 35.9 75.9#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

S-H4(BHF)DL

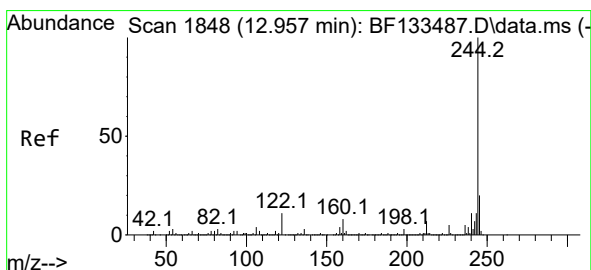
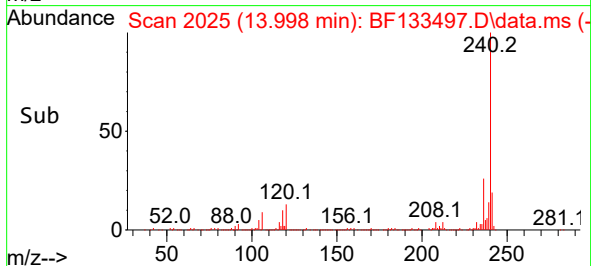
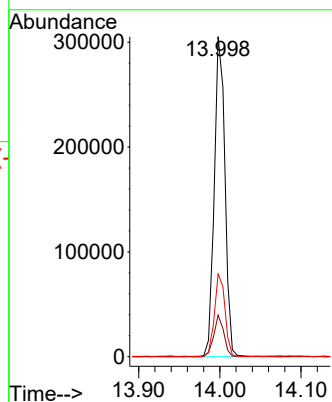
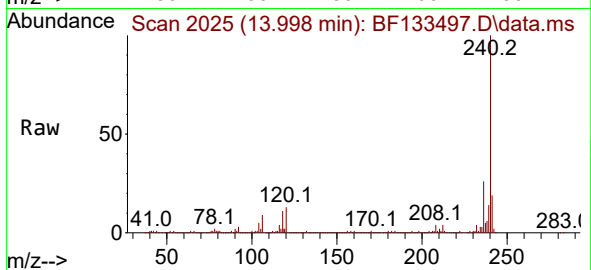
Tgt Ion:240 Resp: 278095

Ion Ratio Lower Upper

240 100

120 13.0 10.3 15.5

236 25.8 20.5 30.7



#79

Terphenyl-d14

Concen: 4.718 ng

RT: 12.945 min Scan# 1846

Delta R.T. -0.012 min

Lab File: BF133497.D

Acq: 25 May 2023 20:05

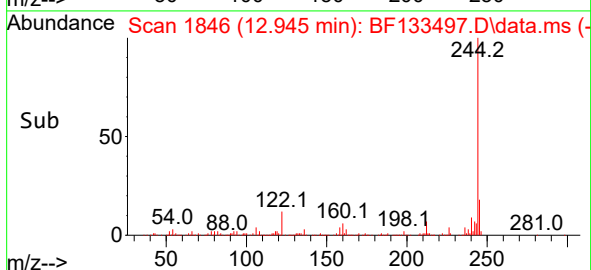
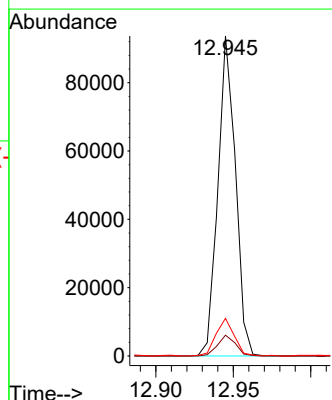
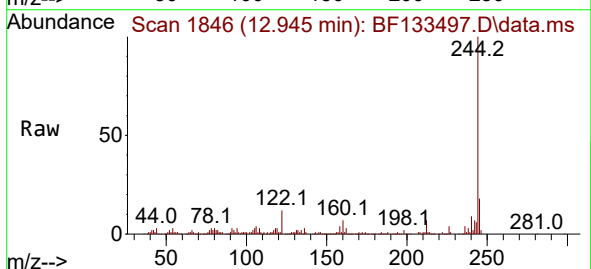
Tgt Ion:244 Resp: 73791

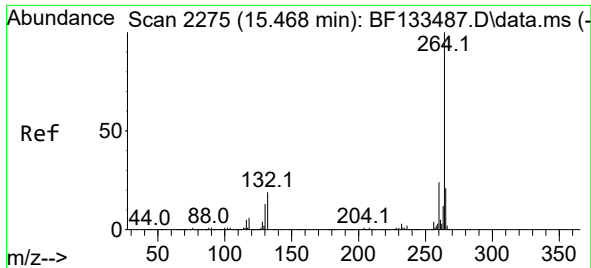
Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

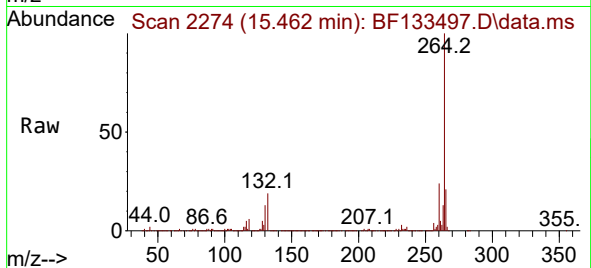
122 11.8 8.5 12.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133497.D
Acq: 25 May 2023 20:05

Instrument :
BNA_F
ClientSampleId :
S-H4(BHF)DL



Tgt Ion:264 Resp: 309713

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.3	16.8	25.2

