

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133081.D
 Acq On : 26 Apr 2023 23:34
 Operator : CG\JU
 Sample : 02427-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230347-COMP-25

Quant Time: Apr 27 02:04:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

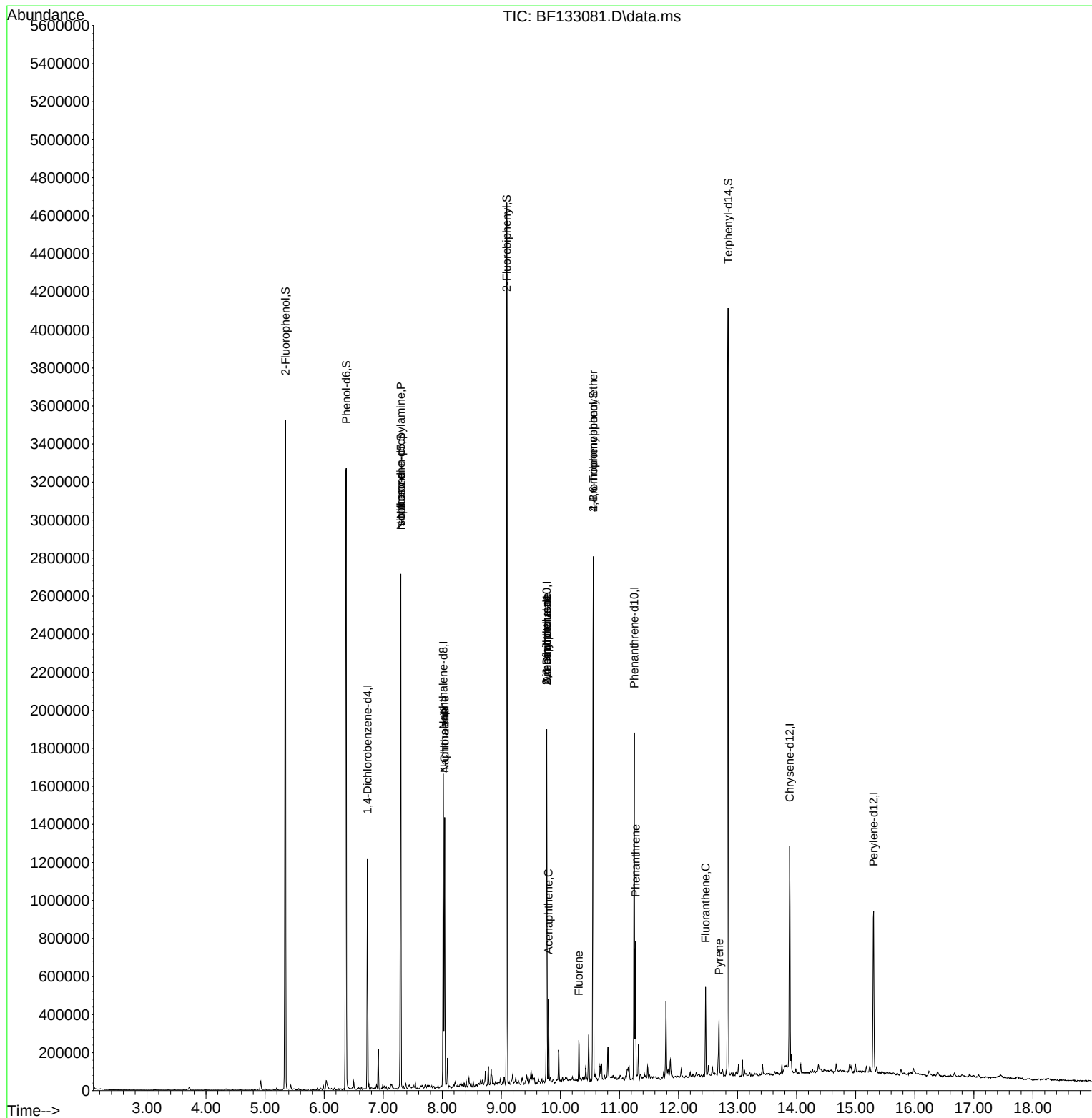
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	154575	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	652007	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	336647	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	599857	20.000	ng	0.00
76) Chrysene-d12	13.880	240	349817	20.000	ng	-0.01
86) Perylene-d12	15.304	264	364970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1064821	104.061	ng	0.00
7) Phenol-d6	6.375	99	1318821	103.837	ng	0.00
23) Nitrobenzene-d5	7.298	82	770056	63.750	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	342726	101.230	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1357848	67.480	ng	0.00
79) Terphenyl-d14	12.839	244	1483719	73.150	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.275	77	785	Below Cal	#	88
19) n-Nitroso-di-n-propyla...	7.298	70	103098	13.039	ng	# 75
25) Isophorone	7.298	82	768247	33.497	ng	# 63
31) Naphthalene	8.040	128	510573	15.663	ng	# 99
33) 4-Chloroaniline	8.040	127	67773	5.146	ng	# 33
50) Dimethylphthalate	9.769	163	69671	2.968	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	45189	8.553	ng	# 25
52) Acenaphthene	9.798	154	80228	3.837	ng	# 98
57) 2,4-Dinitrotoluene	9.769	165	45189	6.707	ng	# 23
58) Fluorene	10.310	166	55247	2.644	ng	# 99
67) 4-Bromophenyl-phenylether	10.557	248	21371	3.285	ng	# 1
71) Phenanthrene	11.275	178	260041	8.066	ng	# 97
75) Fluoranthene	12.457	202	159344	4.925	ng	# 98
78) Pyrene	12.686	202	117562	3.920	ng	# 99

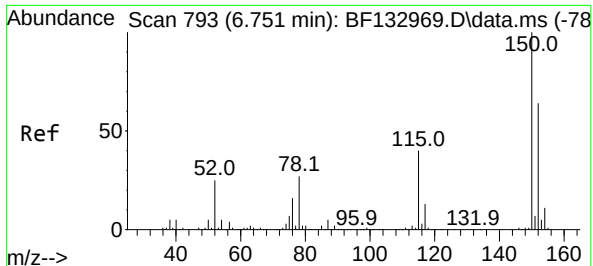
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 27 02:04:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

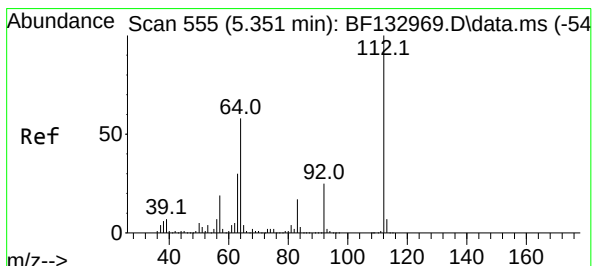
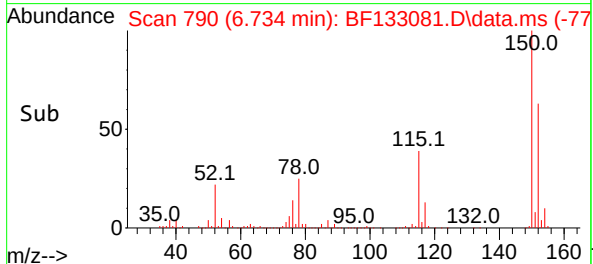
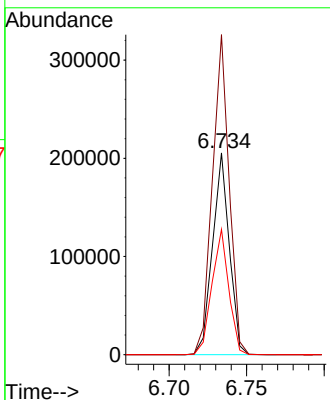
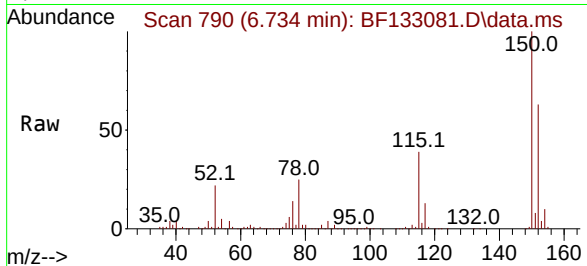




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.734 min Scan# 793
 Delta R.T. -0.005 min
 Lab File: BF133081.D
 Acq: 26 Apr 2023 23:34

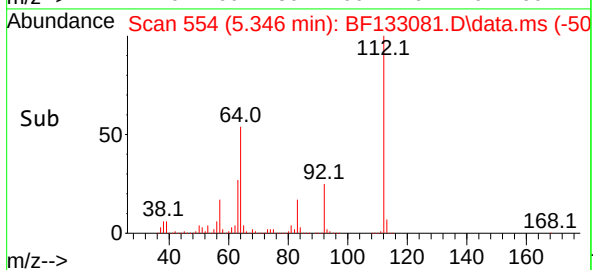
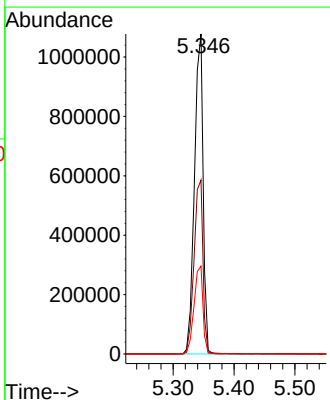
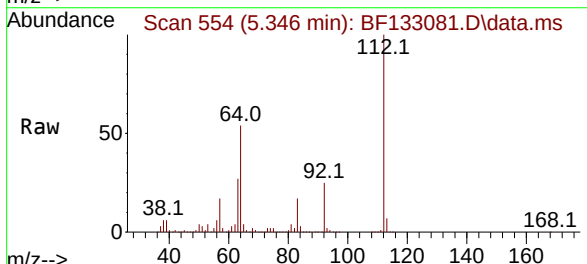
Instrument :
 BNA_F
 ClientSampleId :
 20230347-COMP-25

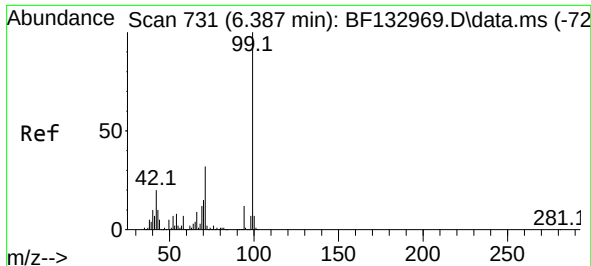
Tgt Ion:152 Resp: 154575
 Ion Ratio Lower Upper
 152 100
 150 158.6 124.8 187.2
 115 62.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 104.061 ng
 RT: 5.346 min Scan# 554
 Delta R.T. 0.006 min
 Lab File: BF133081.D
 Acq: 26 Apr 2023 23:34

Tgt Ion:112 Resp: 1064821
 Ion Ratio Lower Upper
 112 100
 64 54.4 46.8 70.2
 63 27.5 23.8 35.8

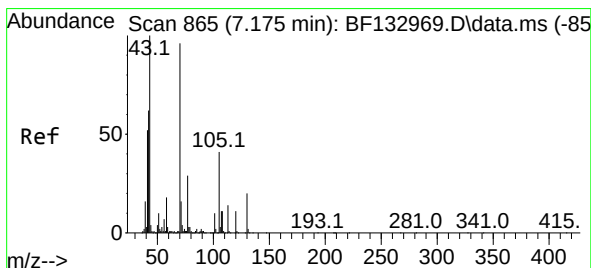
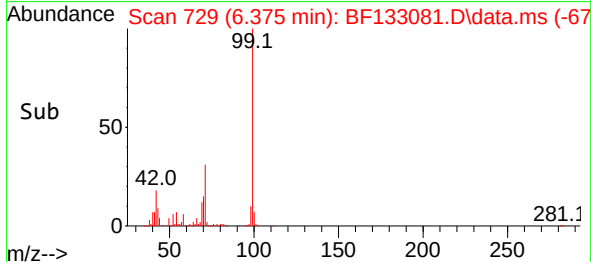
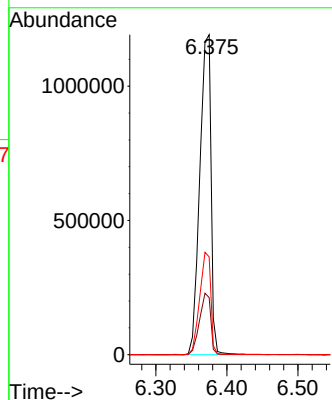
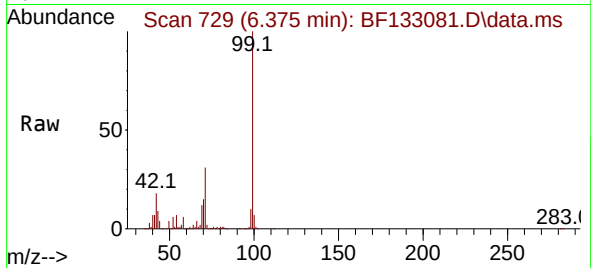




#7
Phenol-d6
Concen: 103.837 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

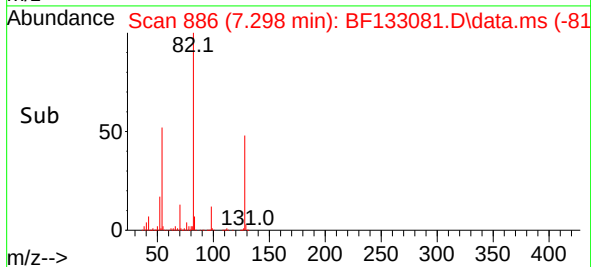
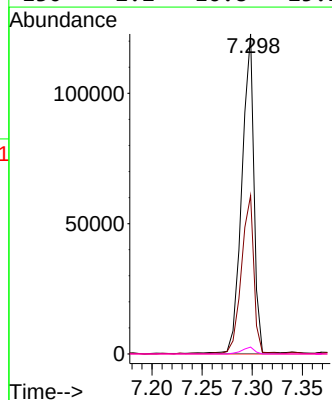
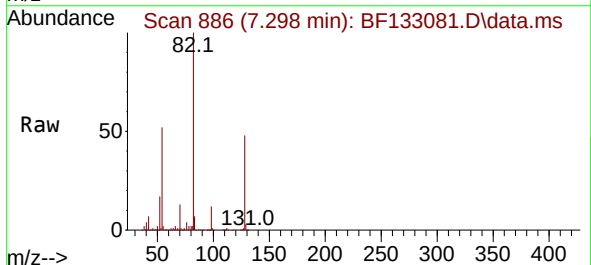
Instrument :
BNA_F
ClientSampleId :
20230347-COMP-25

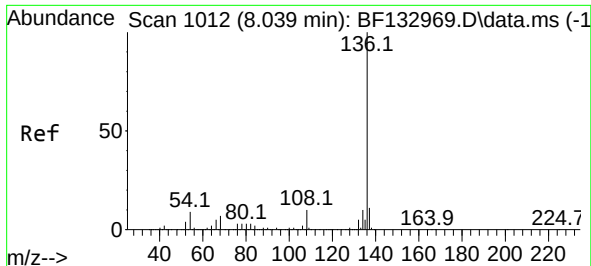
Tgt Ion: 99 Resp: 1318821
Ion Ratio Lower Upper
99 100
42 17.8 16.3 24.5
71 30.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.039 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion: 70 Resp: 103098
Ion Ratio Lower Upper
70 100
42 49.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

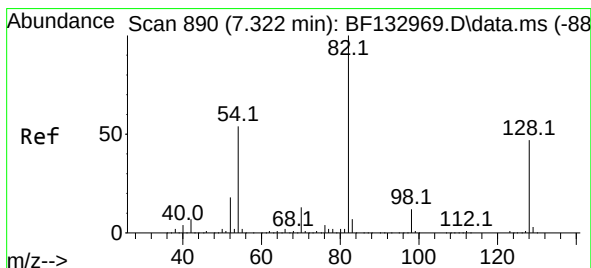
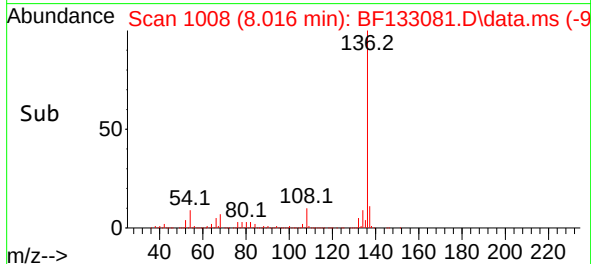
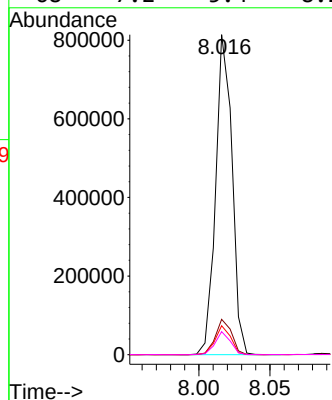
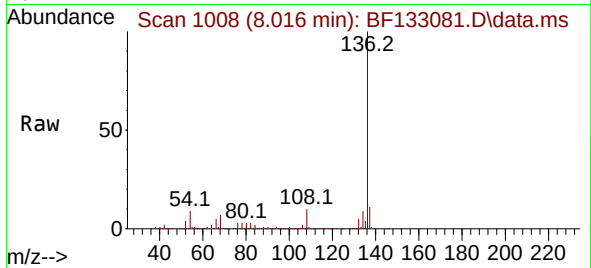




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

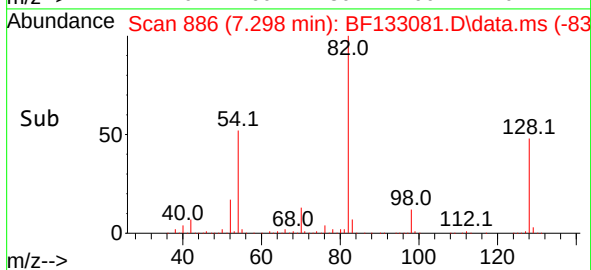
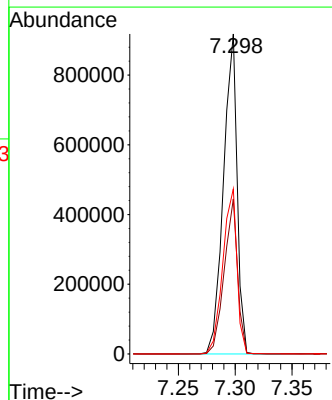
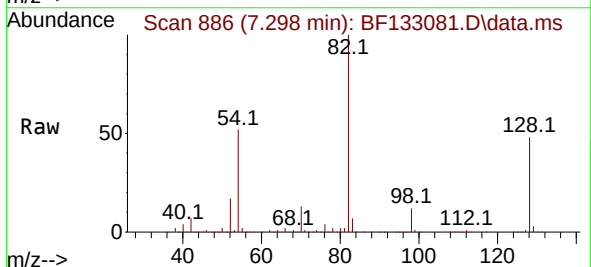
Instrument :
BNA_F
ClientSampleId :
20230347-COMP-25

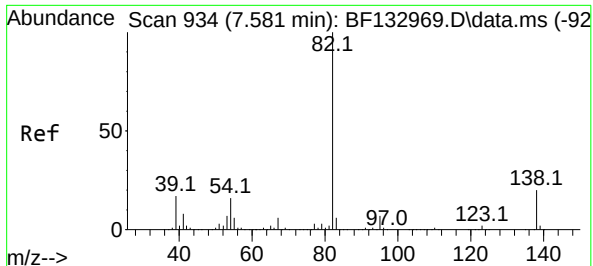
Tgt Ion:136 Resp: 652007
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.1 7.0 10.4
68 7.2 5.4 8.2



#23
Nitrobenzene-d5
Concen: 63.750 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion: 82 Resp: 770056
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 51.5 43.0 64.4

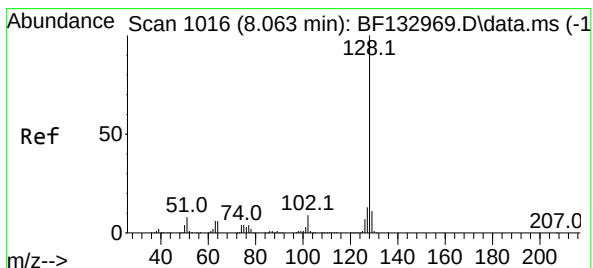
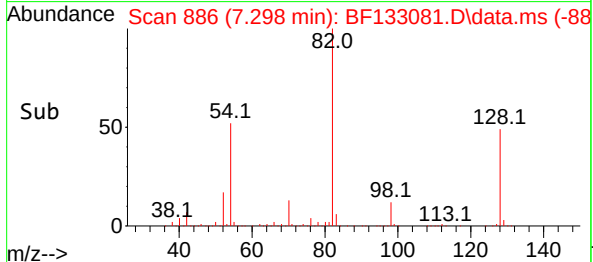
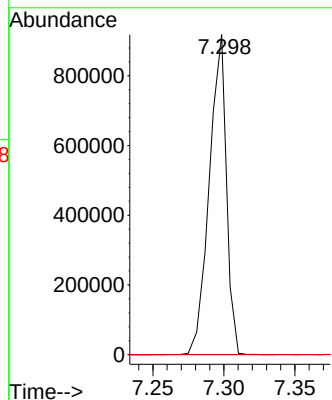
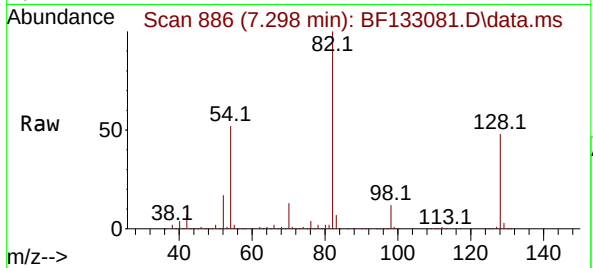




#25
Isophorone
Concen: 33.497 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

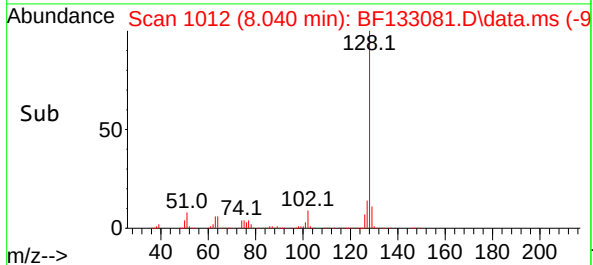
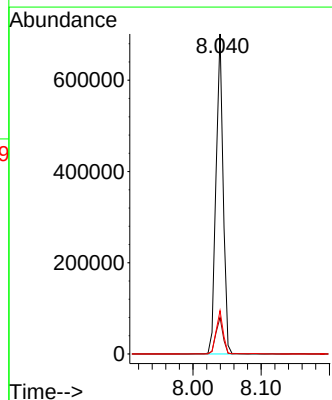
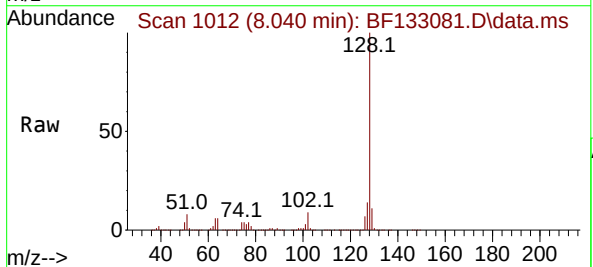
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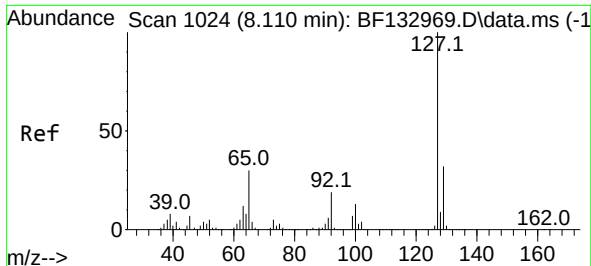
Tgt Ion: 82 Resp: 768247
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 15.663 ng
RT: 8.040 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion: 128 Resp: 510573
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.6 10.7 16.1

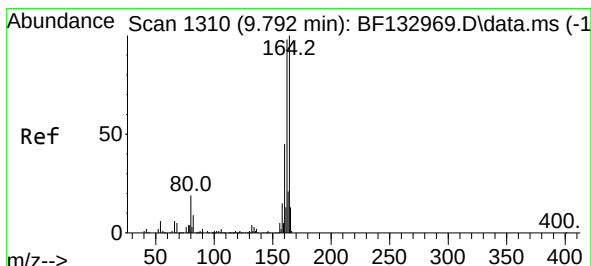
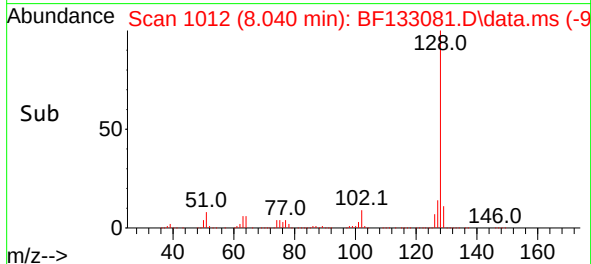
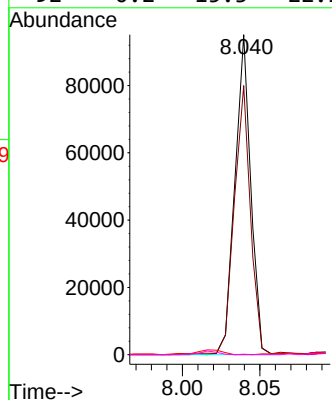
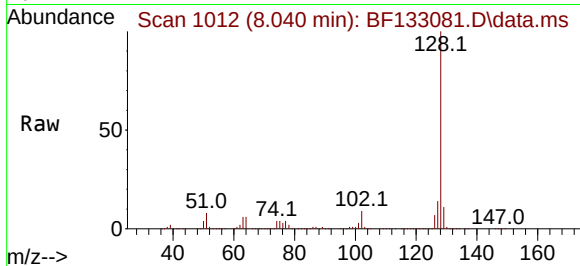




#33
4-Chloroaniline
Concen: 5.146 ng
RT: 8.040 min Scan# 11
Delta R.T. -0.053 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

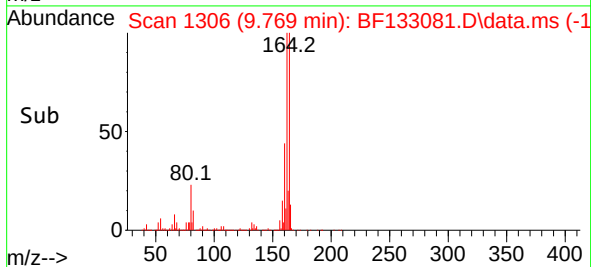
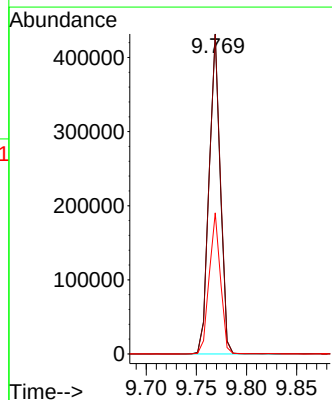
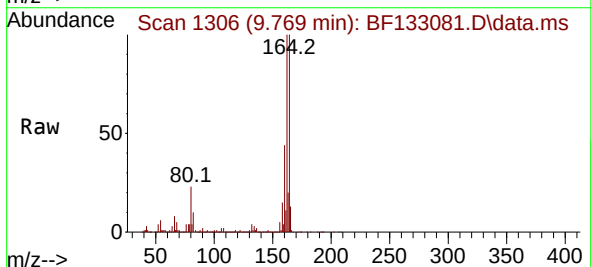
Instrument :
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ClientSampleId :
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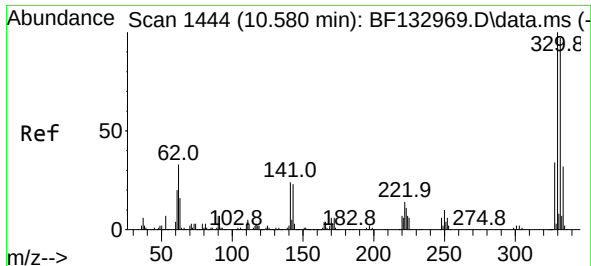
Tgt Ion:127 Resp: 67773
Ion Ratio Lower Upper
127 100
129 84.1 25.8 38.8#
65 0.0 23.6 35.4#
92 0.2 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion:164 Resp: 336647
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 101.230 ng

RT: 10.557 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133081.D

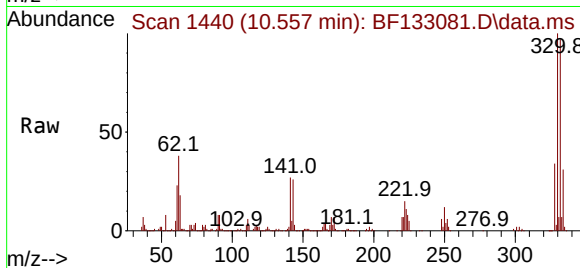
Acq: 26 Apr 2023 23:34

Instrument :

BNA_F

ClientSampleId :

20230347-COMP-25



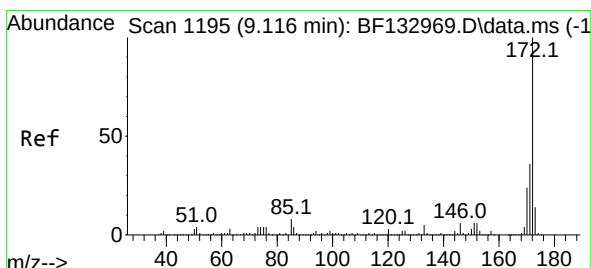
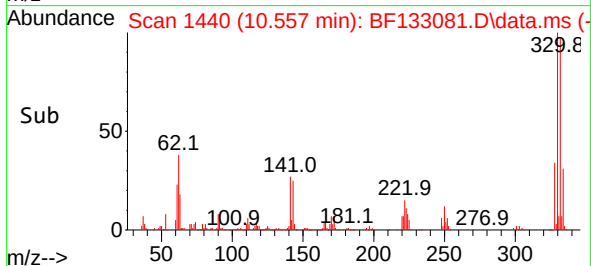
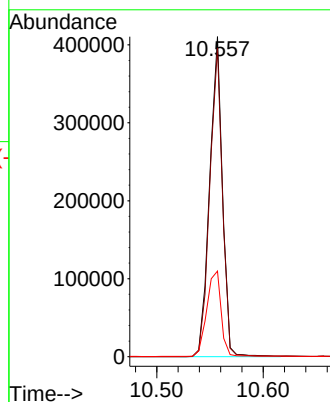
Tgt Ion:330 Resp: 342726

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

141 29.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 67.480 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

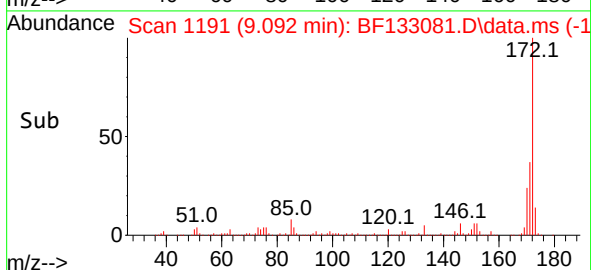
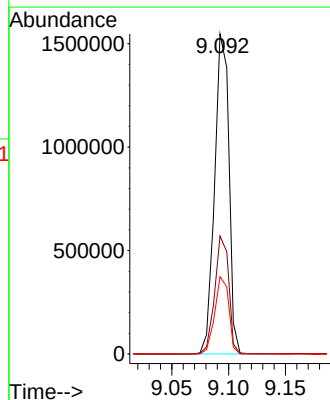
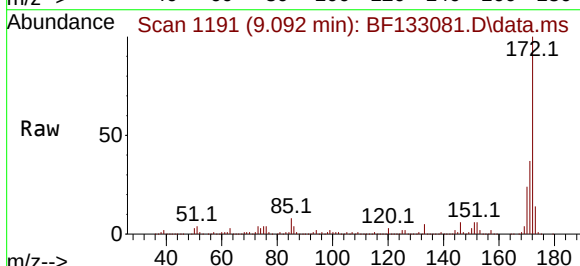
Tgt Ion:172 Resp: 1357848

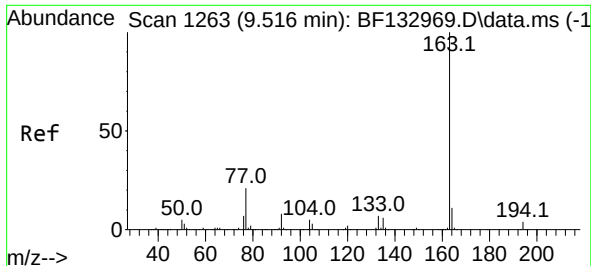
Ion Ratio Lower Upper

172 100

171 36.9 28.8 43.2

170 24.1 19.4 29.2

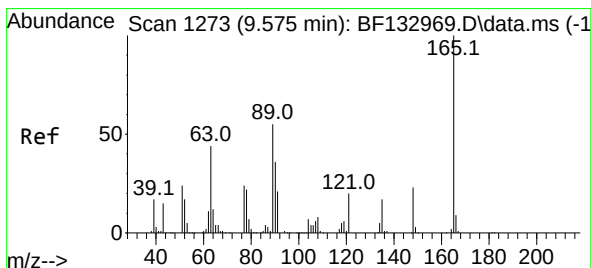
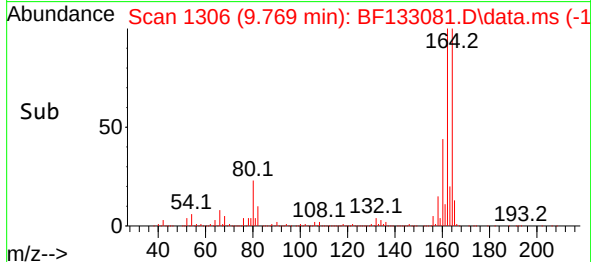
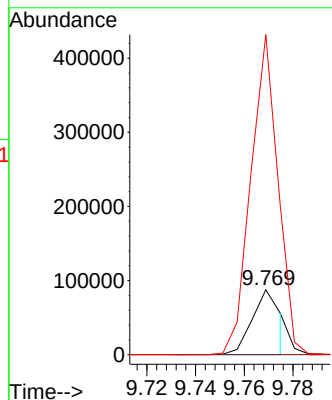
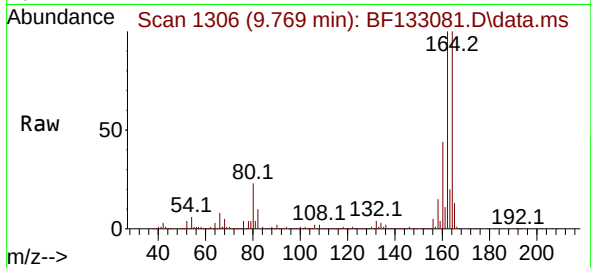




#50
Dimethylphthalate
Concen: 2.968 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.265 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

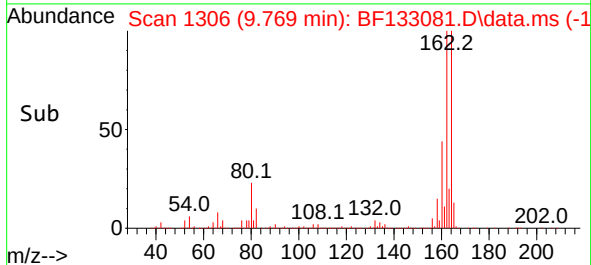
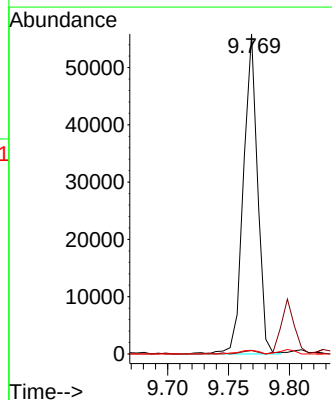
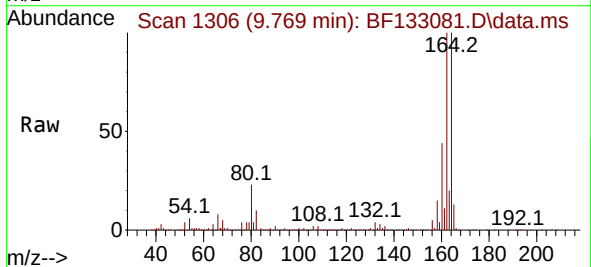
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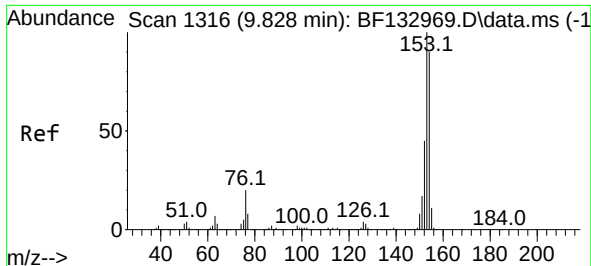
Tgt Ion:163 Resp: 69671
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 493.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.553 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.212 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion:165 Resp: 45189
Ion Ratio Lower Upper
165 100
63 1.0 45.9 68.9#
89 1.1 44.0 66.0#





#52

Acenaphthene

Concen: 3.837 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Instrument :

BNA_F

ClientSampleId :

20230347-COMP-25

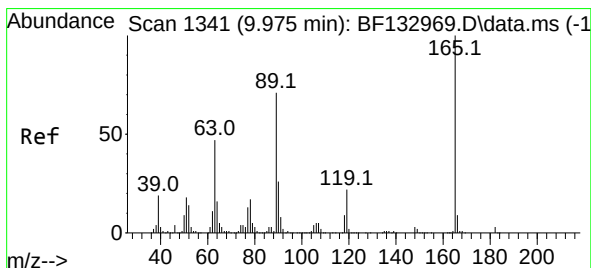
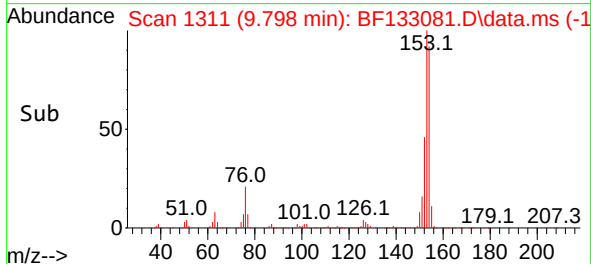
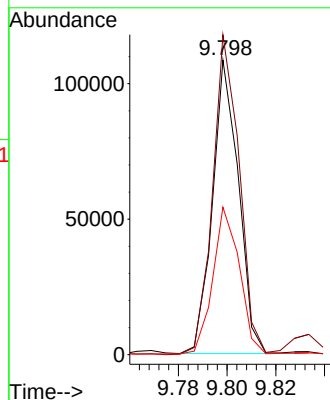
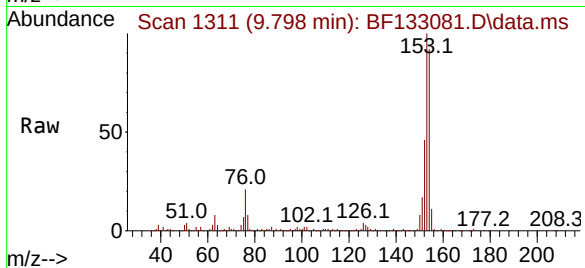
Tgt Ion:154 Resp: 80228

Ion Ratio Lower Upper

154 100

153 108.6 89.0 133.6

152 50.0 40.4 60.6



#57

2,4-Dinitrotoluene

Concen: 6.707 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Tgt Ion:165 Resp: 45189

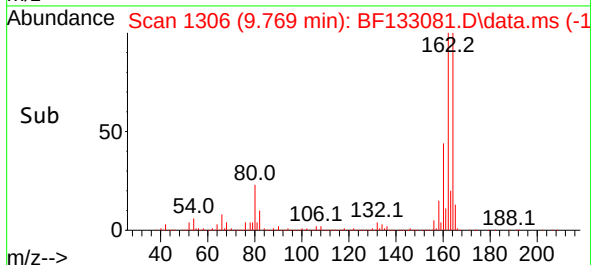
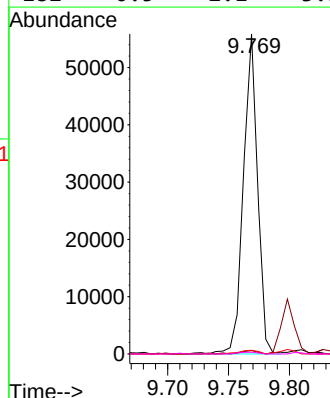
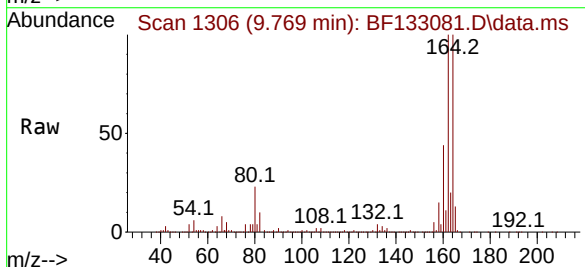
Ion Ratio Lower Upper

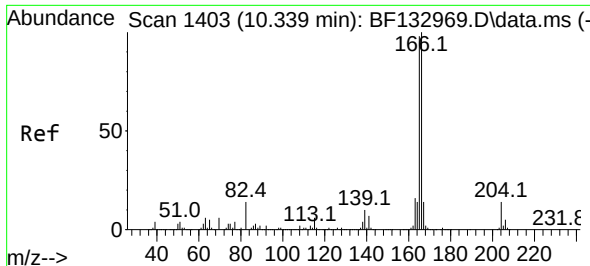
165 100

63 1.0 37.7 56.5#

89 1.1 57.0 85.4#

182 0.5 2.1 3.1#

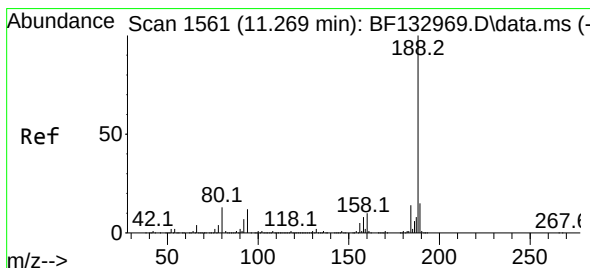
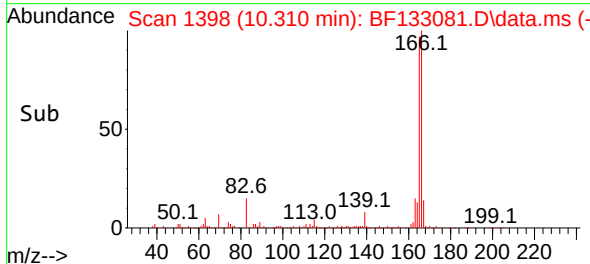
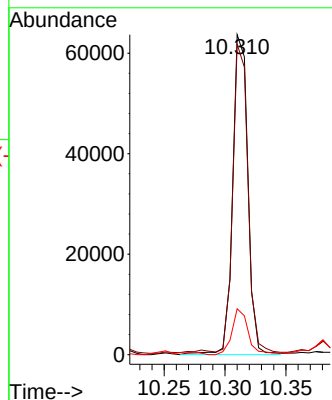
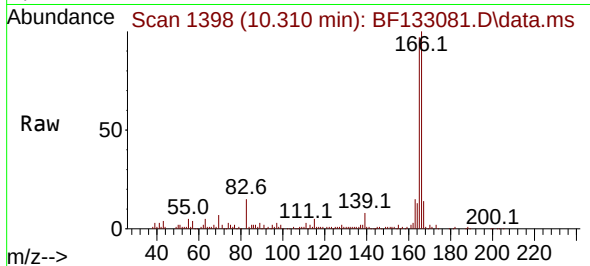




#58
Fluorene
Concen: 2.644 ng
RT: 10.310 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

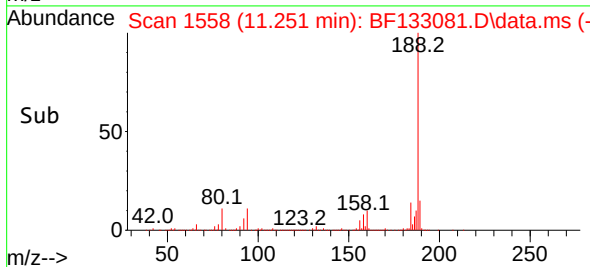
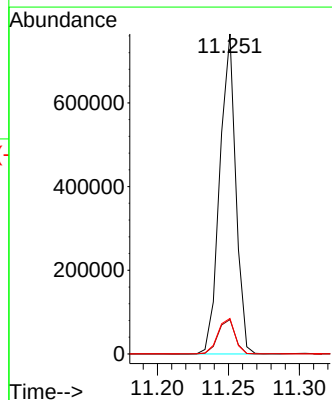
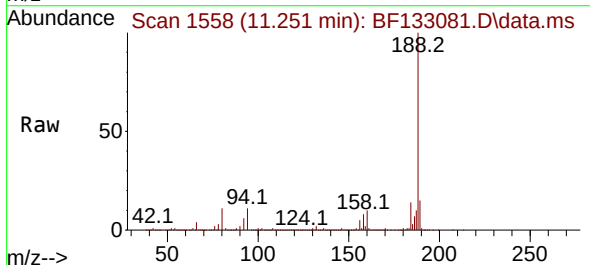
Instrument :
BNA_F
ClientSampleId :
20230347-COMP-25

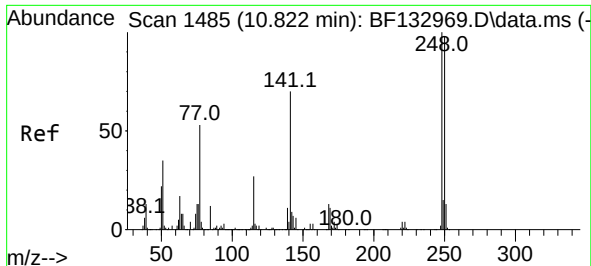
Tgt Ion:166 Resp: 55247
Ion Ratio Lower Upper
166 100
165 97.0 78.6 117.8
167 14.4 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion:188 Resp: 599857
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.1 10.4 15.6

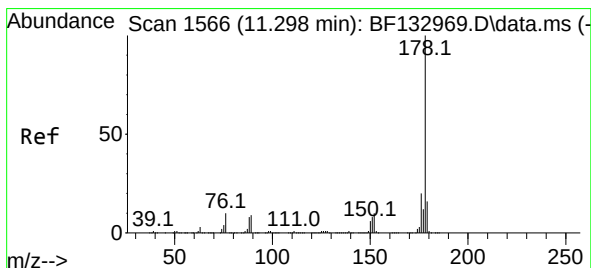
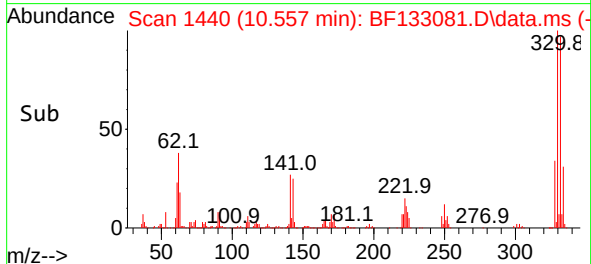
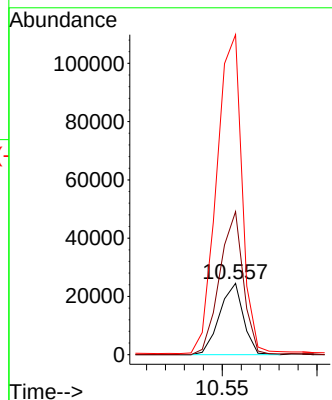
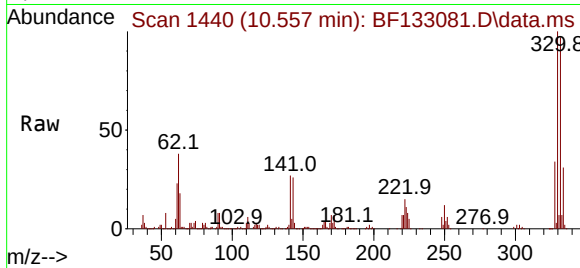




#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 10.557 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

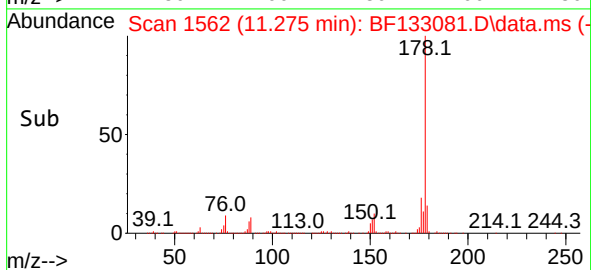
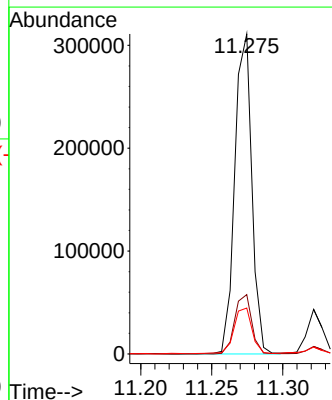
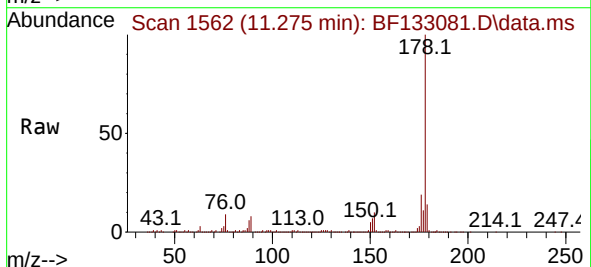
Instrument :
BNA_F
ClientSampleId :
20230347-COMP-25

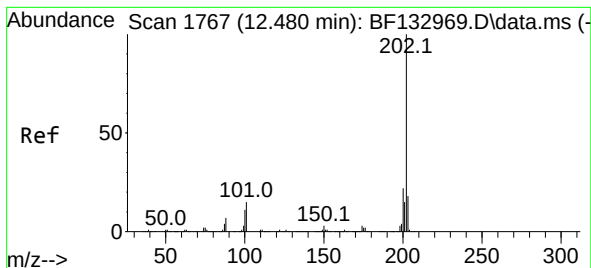
Tgt Ion:248 Resp: 21371
Ion Ratio Lower Upper
248 100
250 200.5 78.7 118.1#
141 448.4 56.3 84.5#



#71
Phenanthrene
Concen: 8.066 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Tgt Ion:178 Resp: 260041
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.4 12.5 18.7





#75

Fluoranthene

Concen: 4.925 ng

RT: 12.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

Instrument :

BNA_F

ClientSampleId :

20230347-COMP-25

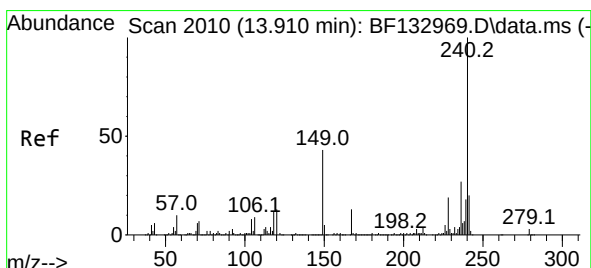
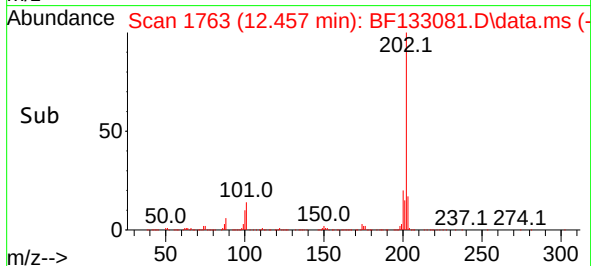
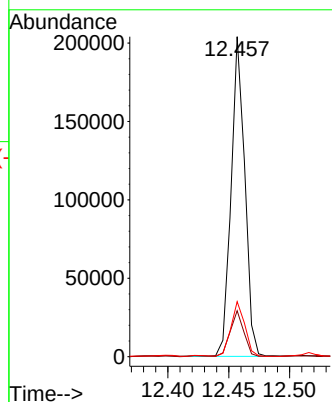
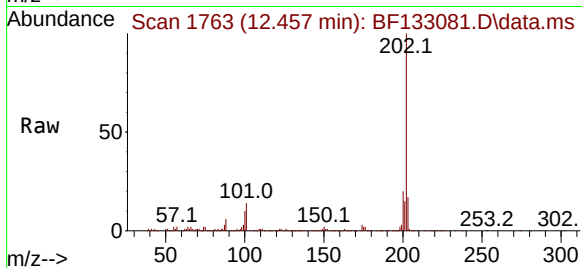
Tgt Ion:202 Resp: 159344

Ion Ratio Lower Upper

202 100

101 14.3 0.0 35.3

203 17.2 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF133081.D

Acq: 26 Apr 2023 23:34

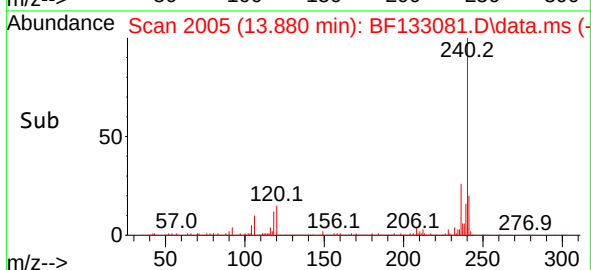
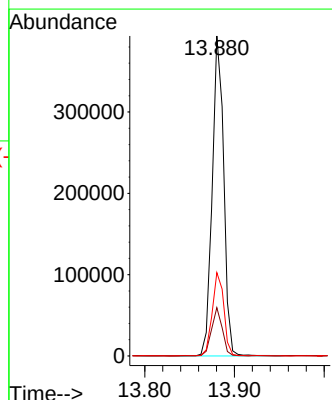
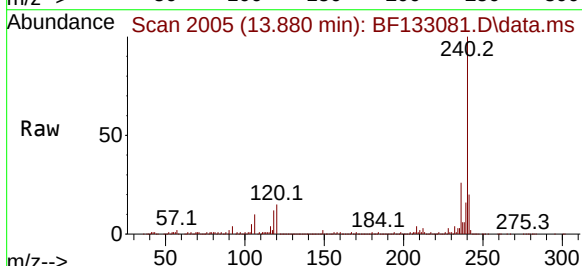
Tgt Ion:240 Resp: 349817

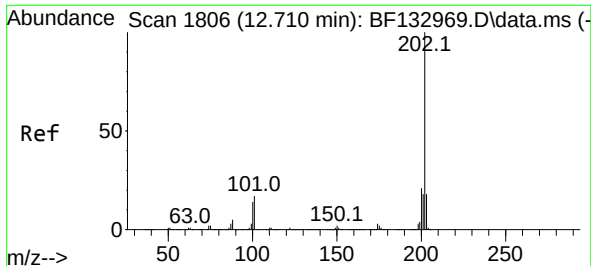
Ion Ratio Lower Upper

240 100

120 15.1 10.5 15.7

236 26.1 21.5 32.3

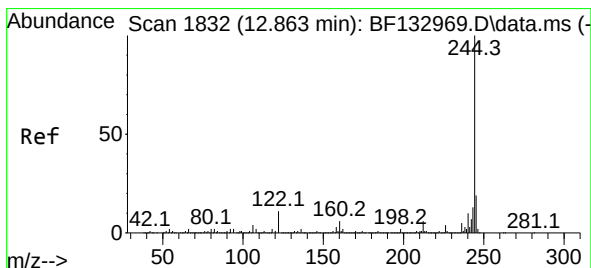
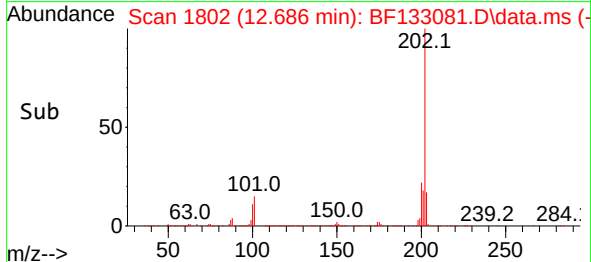
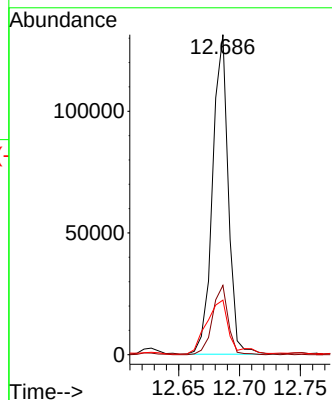
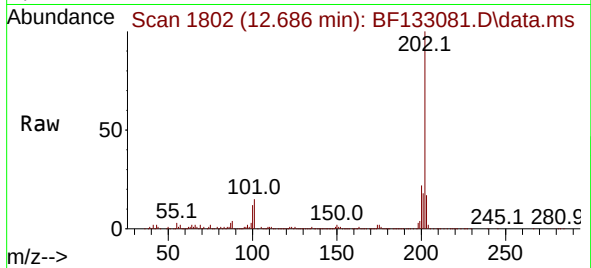




#78
 Pyrene
 Concen: 3.920 ng
 RT: 12.686 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: BF133081.D
 Acq: 26 Apr 2023 23:34

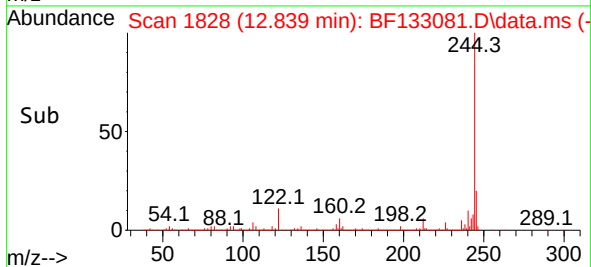
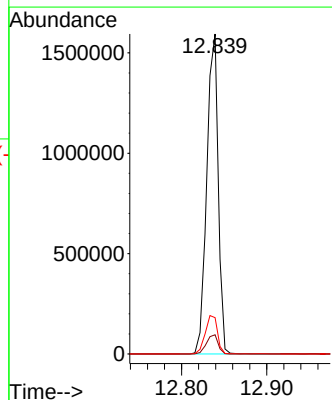
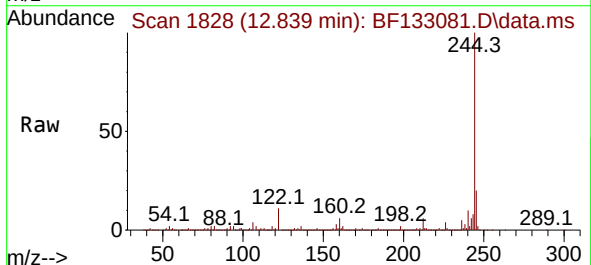
Instrument :
 BNA_F
 ClientSampleId :
 20230347-COMP-25

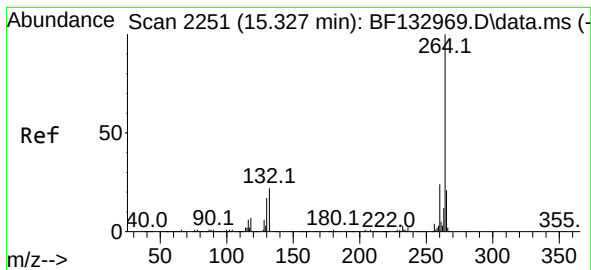
Tgt Ion:202 Resp: 117562
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.1 25.7
 203 17.1 14.1 21.1



#79
 Terphenyl-d14
 Concen: 73.150 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133081.D
 Acq: 26 Apr 2023 23:34

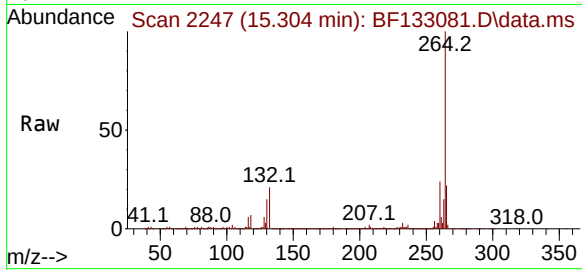
Tgt Ion:244 Resp: 1483719
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.1 7.7
 122 11.4 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133081.D
Acq: 26 Apr 2023 23:34

Instrument :
BNA_F
ClientSampleId :
20230347-COMP-25



Tgt Ion:264 Resp: 364970
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.7 17.0 25.4

