

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133493.D
 Acq On : 25 May 2023 18:00
 Operator : CG\JU
 Sample : 02888-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-SB-20(ELEV-13-11)

Quant Time: May 26 02:07:41 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)

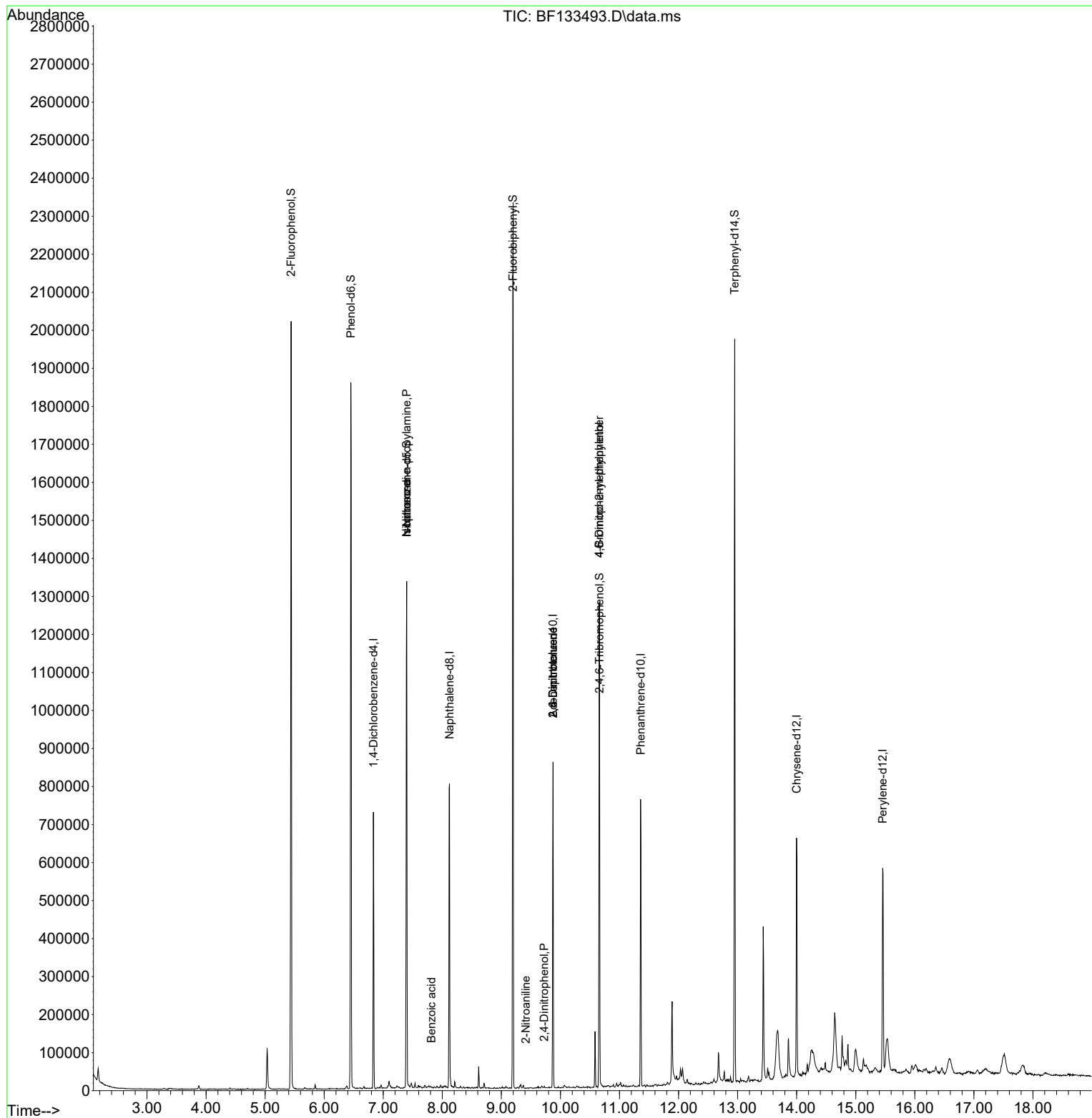
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	91547	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	344371	20.000	ng	0.00
39) Acenaphthene-d10	9.874	164	153826	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	266159	20.000	ng	0.00
76) Chrysene-d12	13.998	240	198051	20.000	ng	-0.01
86) Perylene-d12	15.456	264	236975	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	504240	91.899	ng	0.00
7) Phenol-d6	6.451	99	598845	88.660	ng	-0.01
23) Nitrobenzene-d5	7.398	82	366260	71.013	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	132922	86.687	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	681193	68.349	ng	0.00
79) Terphenyl-d14	12.951	244	626536	56.247	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.381	77	1354	Below Cal	#	72
19) n-Nitroso-di-n-propyla...	7.398	70	51140	11.702	ng	# 79
25) Isophorone	7.398	82	366178	30.463	ng	# 65
32) Benzoic acid	7.816	122	53	7.362	ng	# 7
48) 2-Nitroaniline	9.416	65	56	4.008	ng	# 6
51) 2,6-Dinitrotoluene	9.874	165	19990	12.661	ng	# 18
54) 2,4-Dinitrophenol	9.727	184	173	6.734	ng	# 17
57) 2,4-Dinitrotoluene	9.874	165	19990	11.806	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	326	8.957	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	8215	2.906	ng	# 1

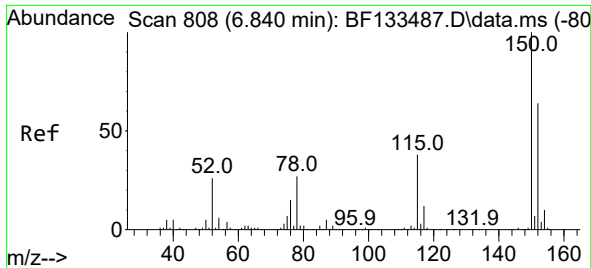
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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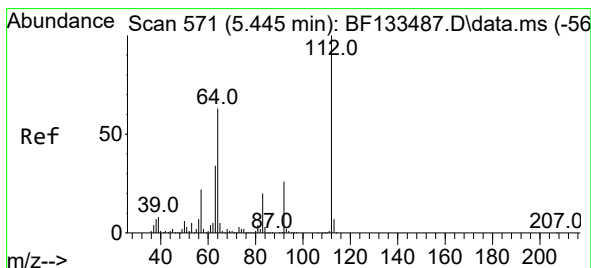
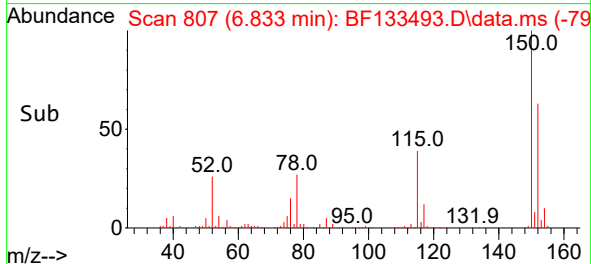
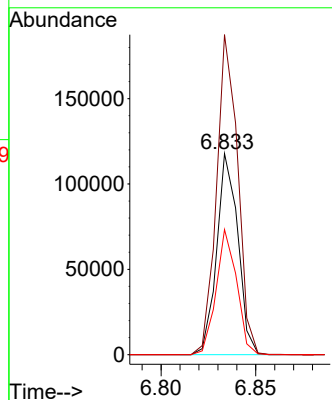
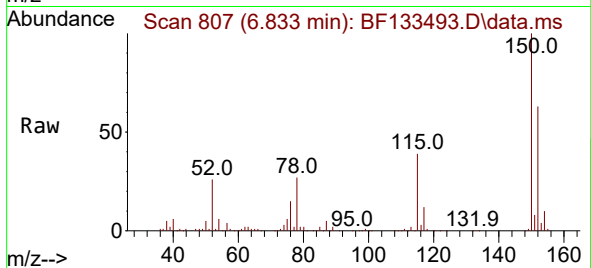




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.833 min Scan# 80
Delta R.T. -0.007 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

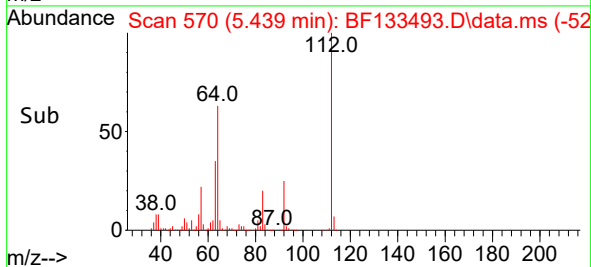
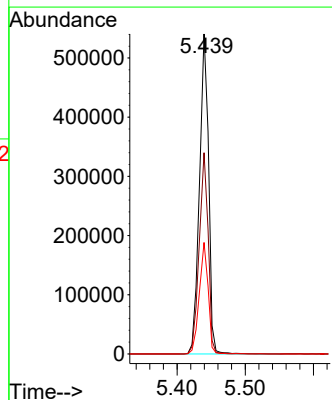
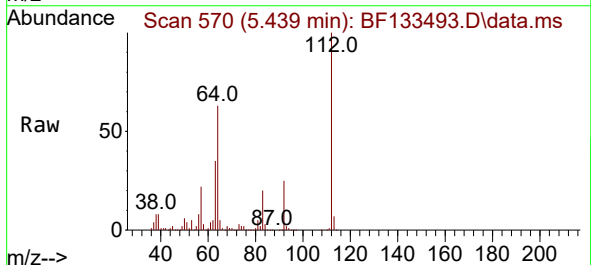
Instrument :
BNA_F
ClientSampleId :
FS-SB-20(ELEV-13-11)

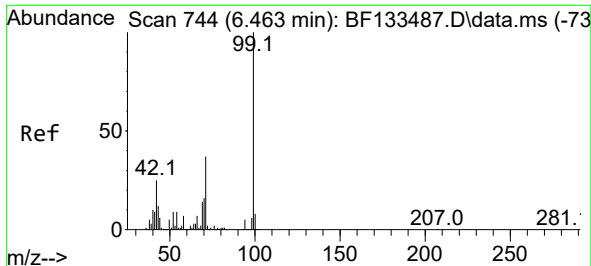
Tgt Ion:152 Resp: 91547
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 62.2 48.1 72.1



#5
2-Fluorophenol
Concen: 91.899 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion:112 Resp: 504240
Ion Ratio Lower Upper
112 100
64 62.9 50.1 75.1
63 34.9 27.5 41.3

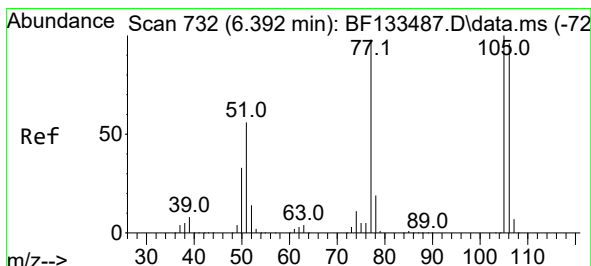
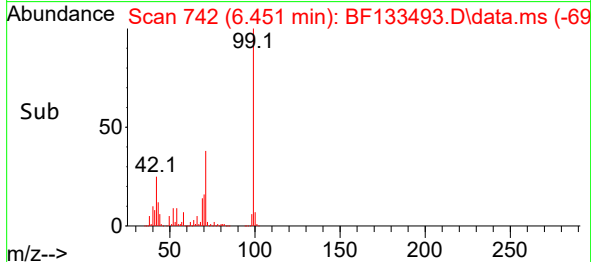
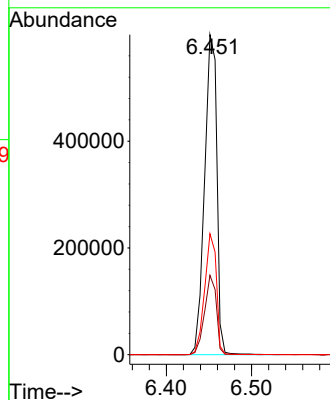
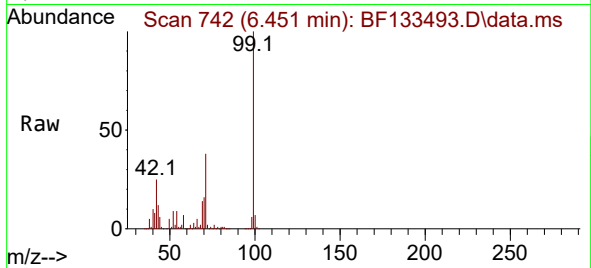




#7
Phenol-d6
Concen: 88.660 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

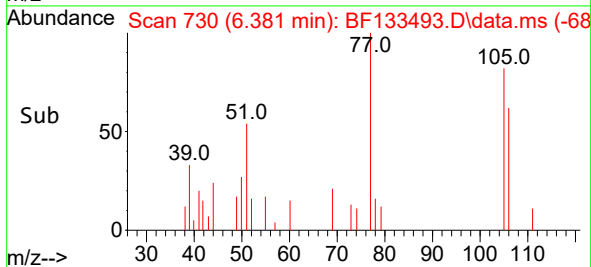
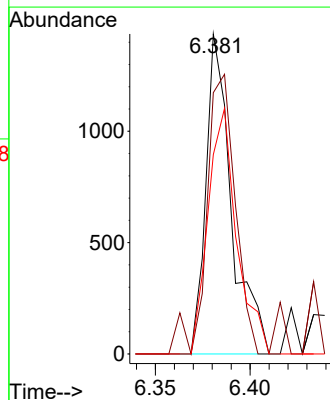
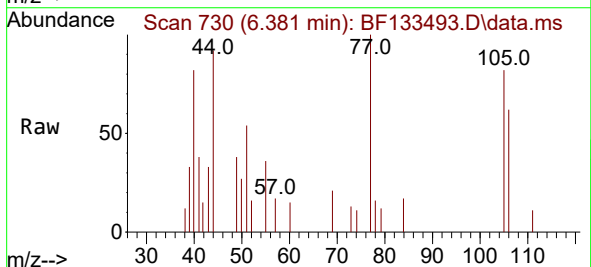
Instrument :
BNA_F
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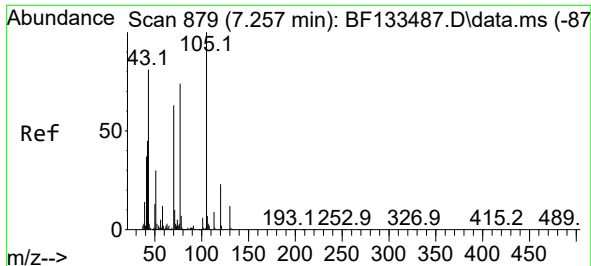
Tgt Ion: 99 Resp: 598845
Ion Ratio Lower Upper
99 100
42 24.8 19.7 29.5
71 37.8 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.011 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion: 77 Resp: 1354
Ion Ratio Lower Upper
77 100
105 81.6 81.9 121.9#
106 62.3 77.8 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 11.702 ng

RT: 7.398 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133493.D

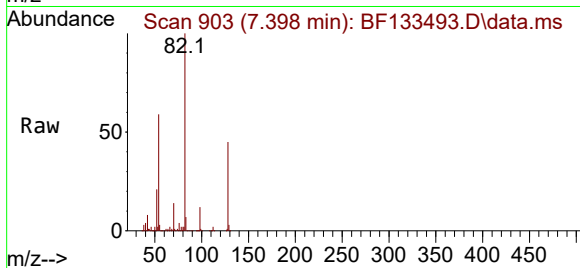
Acq: 25 May 2023 18:00

Instrument :

BNA_F

ClientSampleId :

FS-SB-20(ELEV-13-11)



Tgt Ion: 70 Resp: 51140

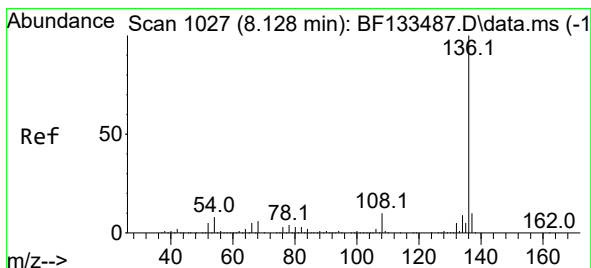
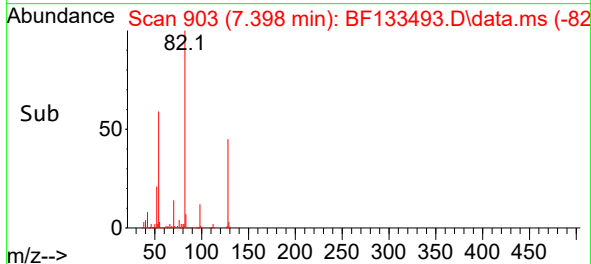
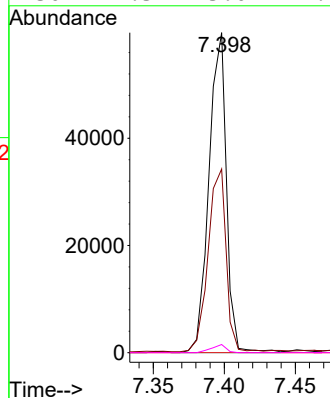
Ion Ratio Lower Upper

70 100

42 57.4 57.2 85.8

101 0.0 7.3 10.9#

130 2.5 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF133493.D

Acq: 25 May 2023 18:00

Tgt Ion: 136 Resp: 344371

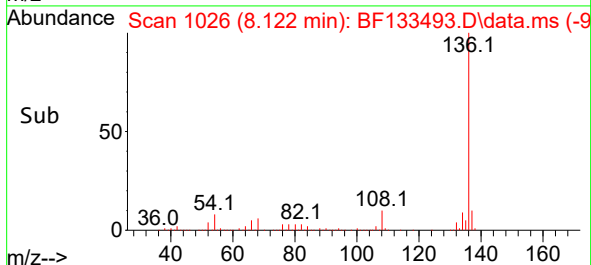
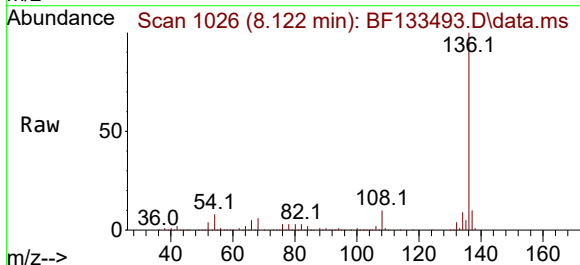
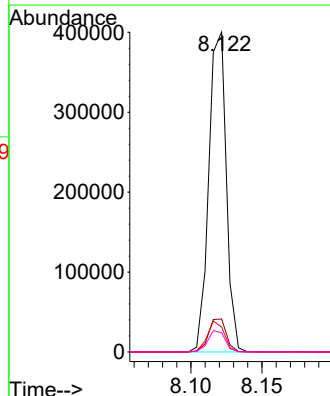
Ion Ratio Lower Upper

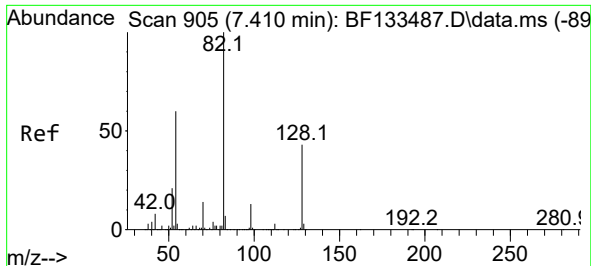
136 100

137 10.3 8.2 12.4

54 7.7 6.6 10.0

68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 71.013 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF133493.D

Acq: 25 May 2023 18:00

Instrument :

BNA_F

ClientSampleId :

FS-SB-20(ELEV-13-11)

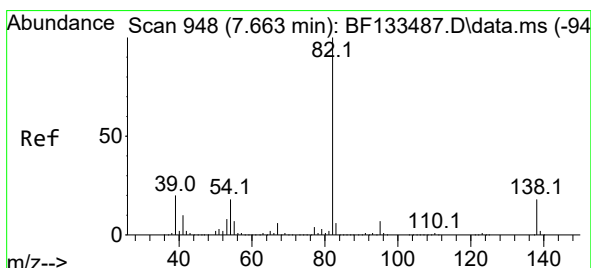
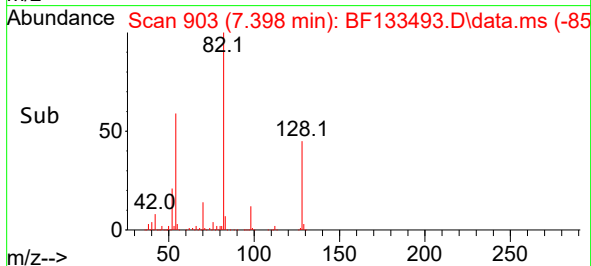
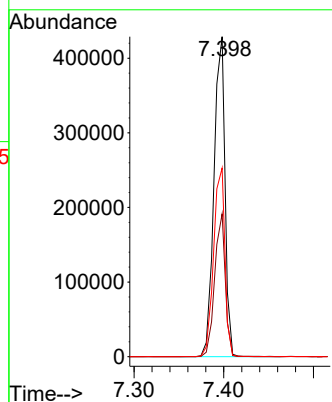
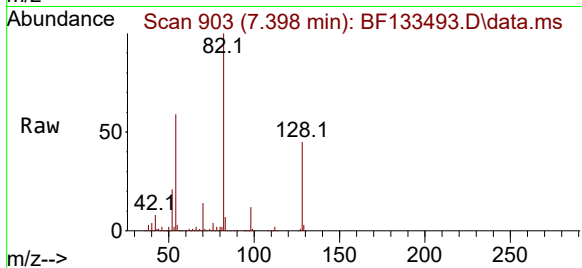
Tgt Ion: 82 Resp: 366260

Ion Ratio Lower Upper

82 100

128 44.7 34.2 51.4

54 58.9 48.2 72.4



#25

Isophorone

Concen: 30.463 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133493.D

Acq: 25 May 2023 18:00

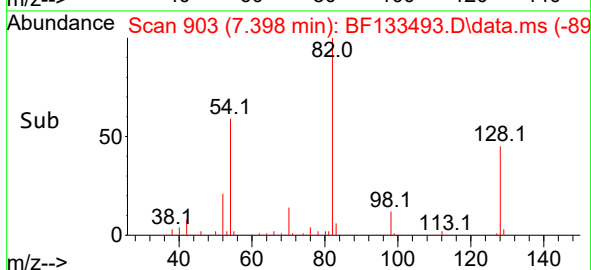
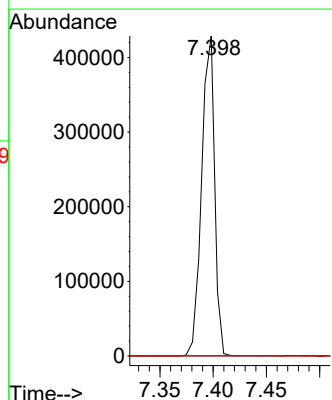
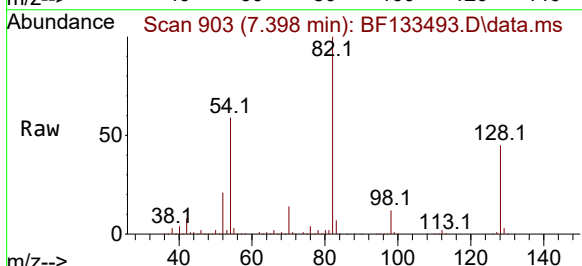
Tgt Ion: 82 Resp: 366178

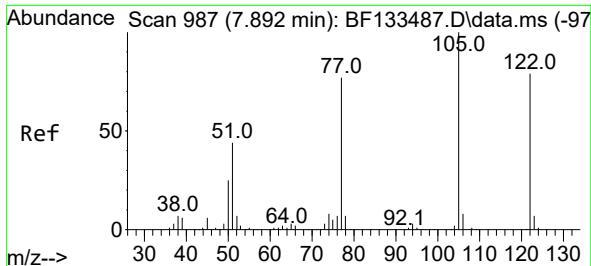
Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 14.2 21.4#

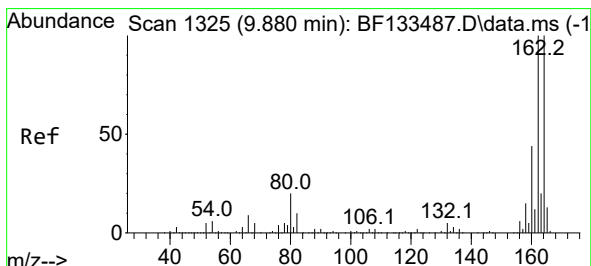
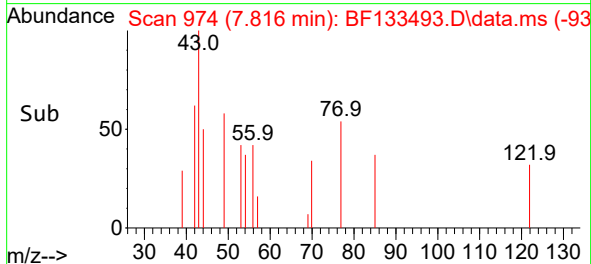
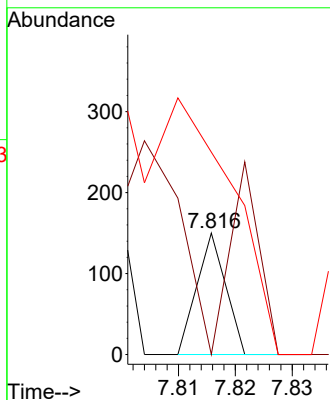
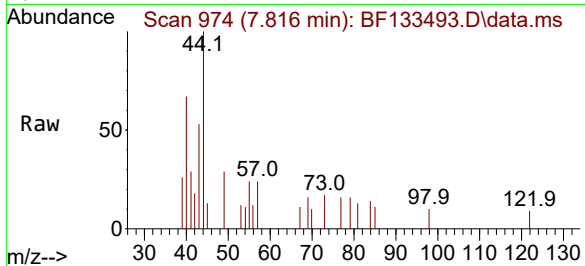




#32
Benzoic acid
Concen: 7.362 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.076 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

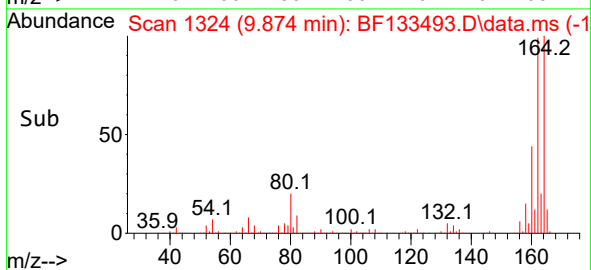
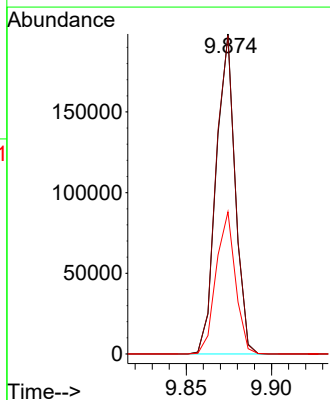
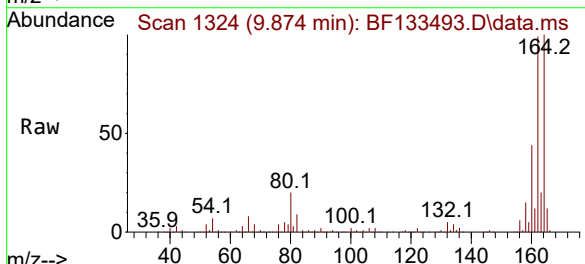
Instrument :
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FS-SB-20(ELEV-13-11)

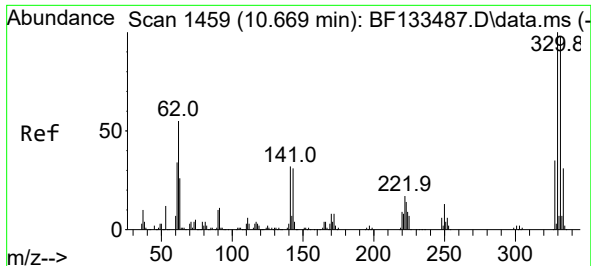
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 166.7 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion:164 Resp: 153826
Ion Ratio Lower Upper
164 100
162 99.5 79.7 119.5
160 44.4 35.4 53.0

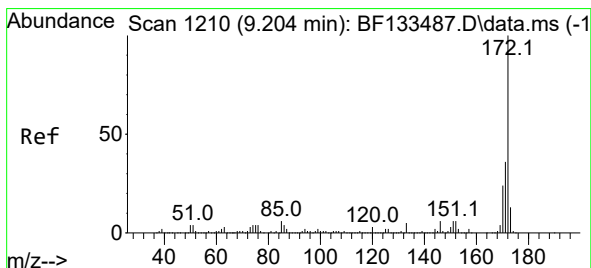
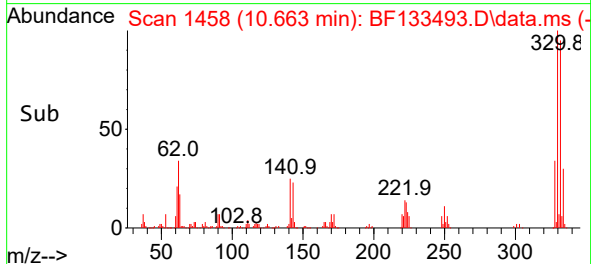
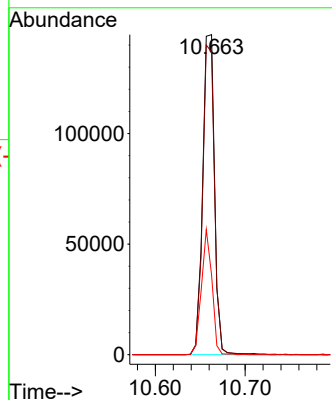
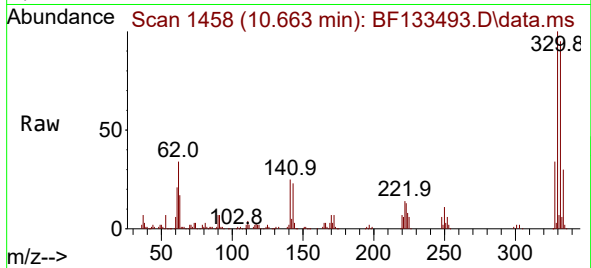




#42
2,4,6-Tribromophenol
Concen: 86.687 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

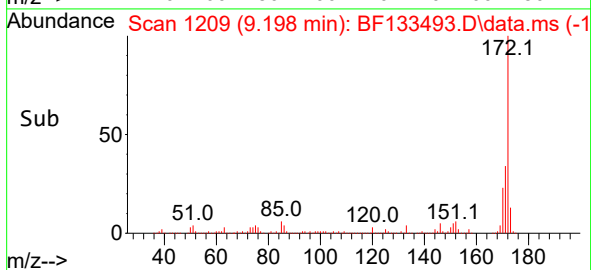
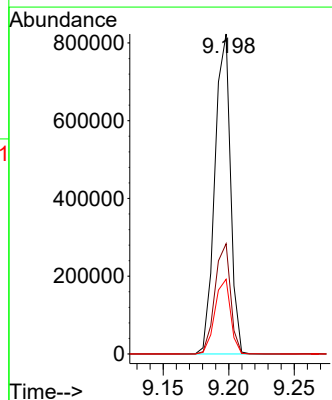
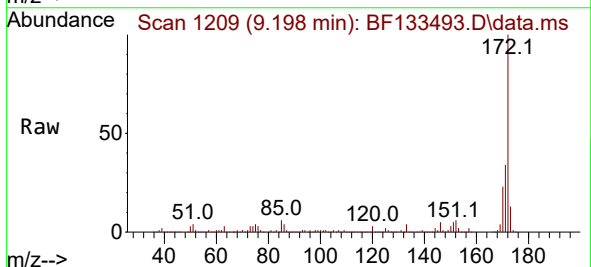
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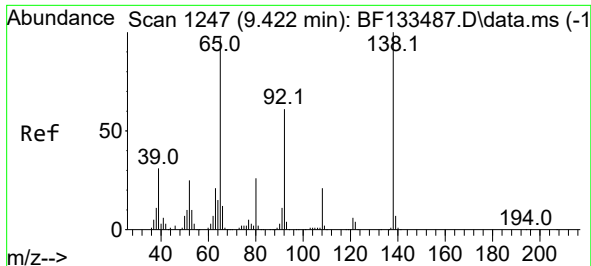
Tgt Ion:330 Resp: 132922
Ion Ratio Lower Upper
330 100
332 96.1 77.8 116.6
141 34.7 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 68.349 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion:172 Resp: 681193
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.4 19.3 28.9

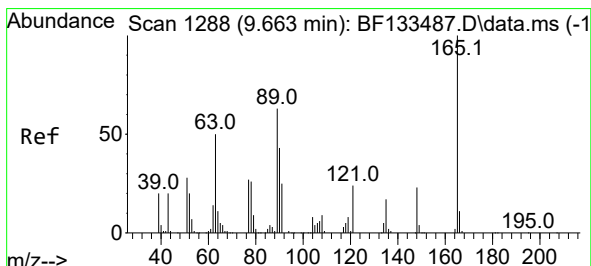
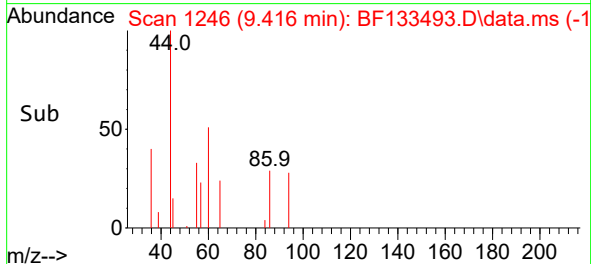
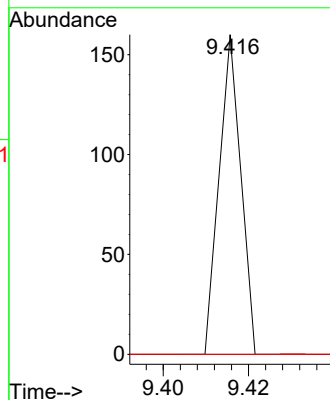
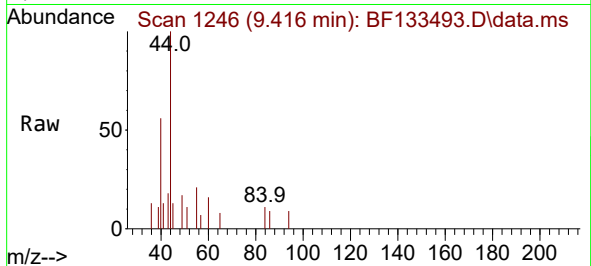




#48
2-Nitroaniline
Concen: 4.008 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

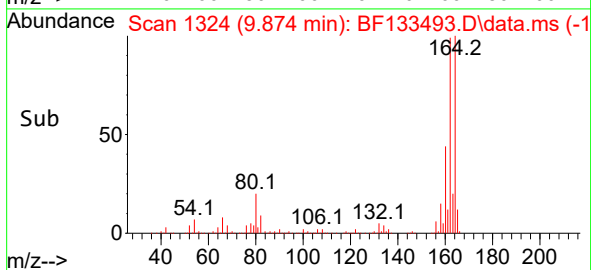
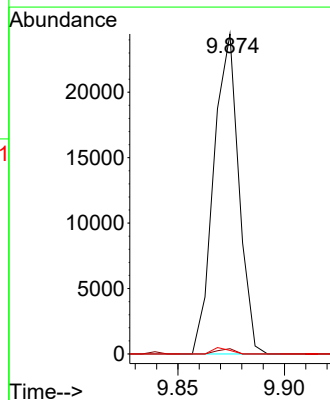
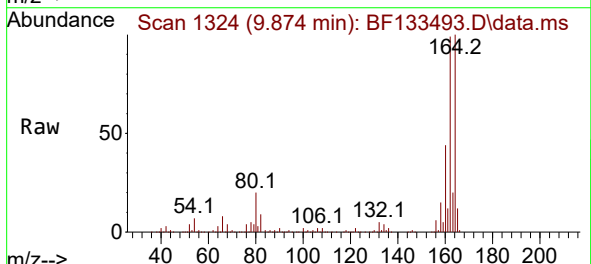
Instrument :
BNA_F
ClientSampleId :
FS-SB-20(ELEV-13-11)

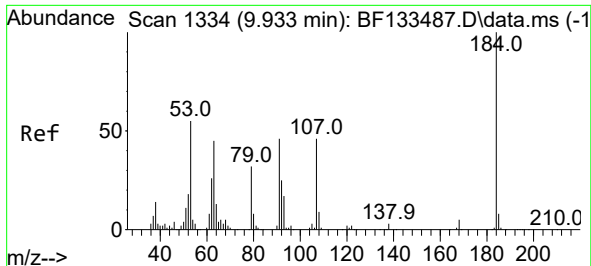
Tgt Ion: 65 Resp: 56
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.661 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.211 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion: 165 Resp: 19990
Ion Ratio Lower Upper
165 100
63 1.7 57.0 85.4#
89 1.1 50.8 76.2#

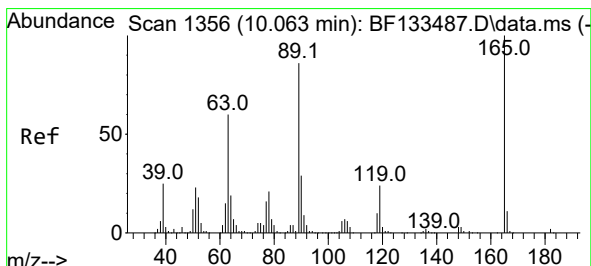
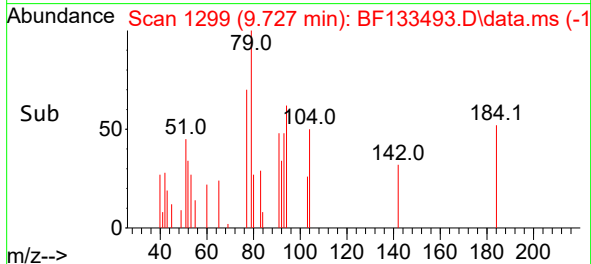
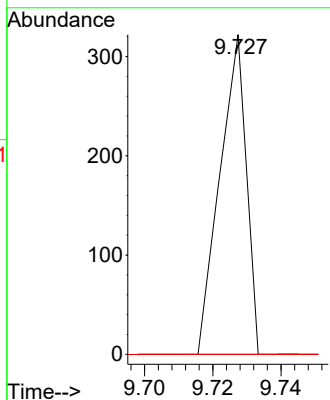
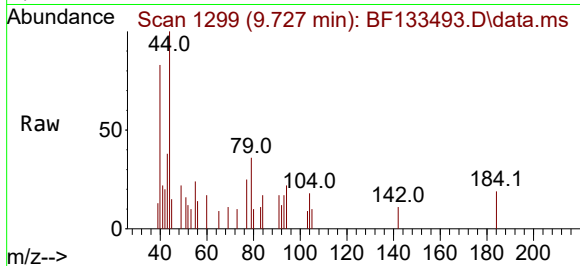




#54
2,4-Dinitrophenol
Concen: 6.734 ng
RT: 9.727 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

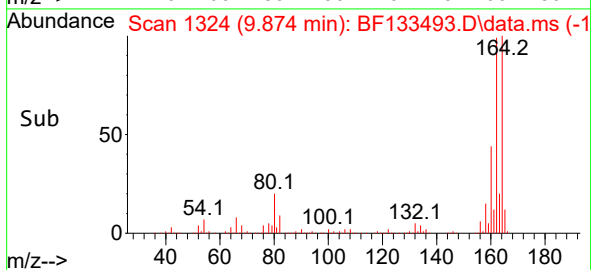
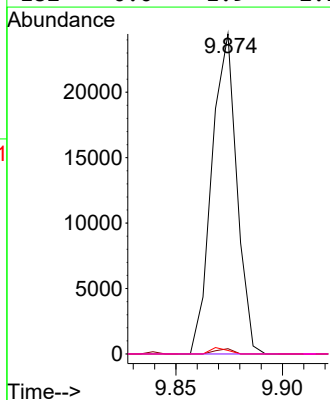
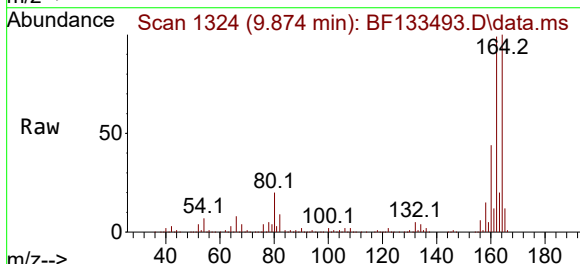
Instrument :
BNA_F
ClientSampleId :
FS-SB-20(ELEV-13-11)

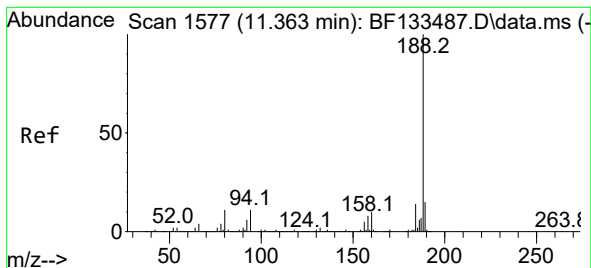
Tgt Ion:184 Resp: 173
Ion Ratio Lower Upper
184 100
63 0.0 55.7 83.5#
154 0.0 49.3 73.9#



#57
2,4-Dinitrotoluene
Concen: 11.806 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.189 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion:165 Resp: 19990
Ion Ratio Lower Upper
165 100
63 1.7 48.1 72.1#
89 1.1 68.4 102.6#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133493.D

Acq: 25 May 2023 18:00

Instrument :

BNA_F

ClientSampleId :

FS-SB-20(ELEV-13-11)

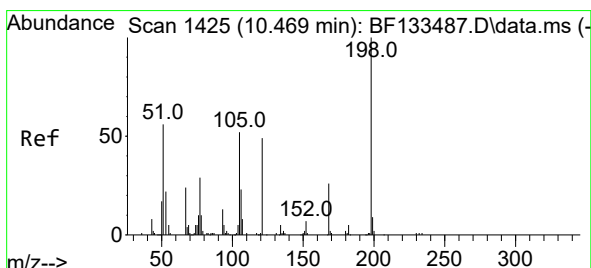
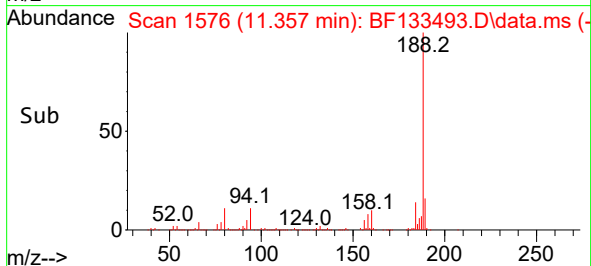
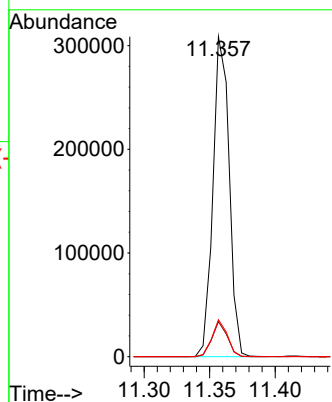
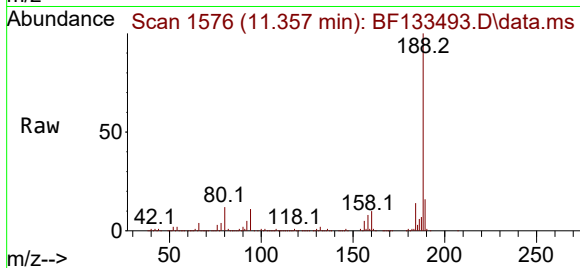
Tgt Ion:188 Resp: 266159

Ion Ratio Lower Upper

188 100

94 11.0 8.6 12.8

80 11.6 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.957 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133493.D

Acq: 25 May 2023 18:00

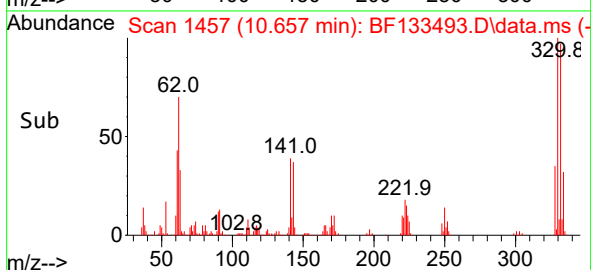
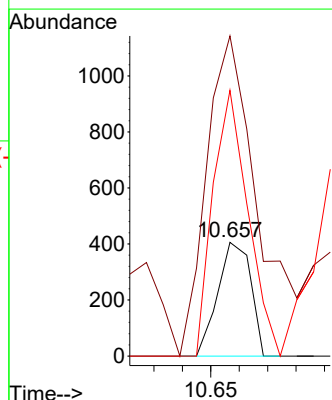
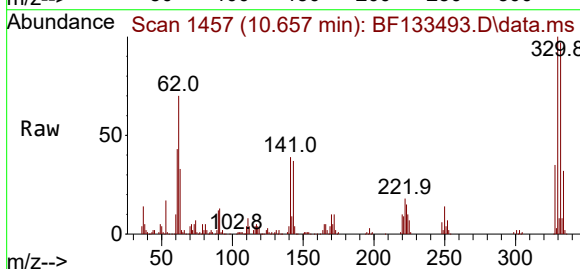
Tgt Ion:198 Resp: 326

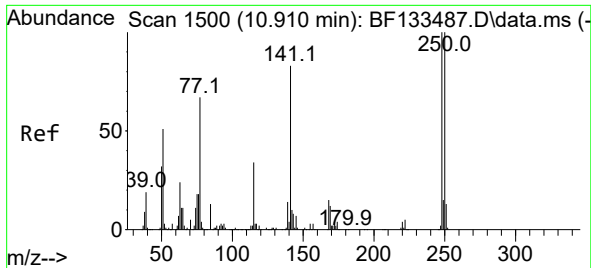
Ion Ratio Lower Upper

198 100

51 281.5 53.6 93.6#

105 233.7 35.9 75.9#

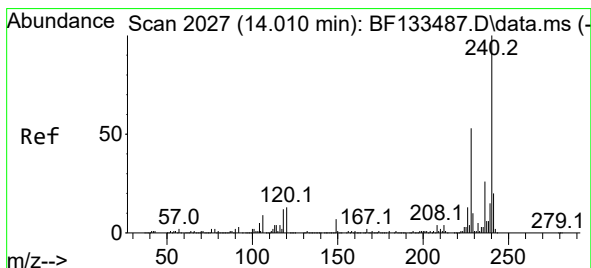
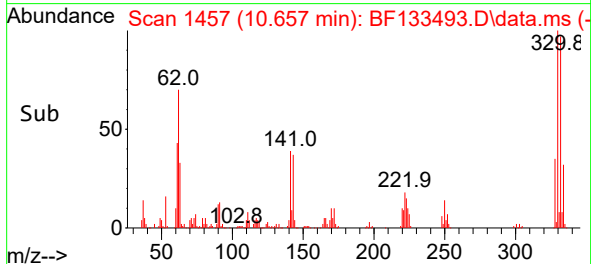
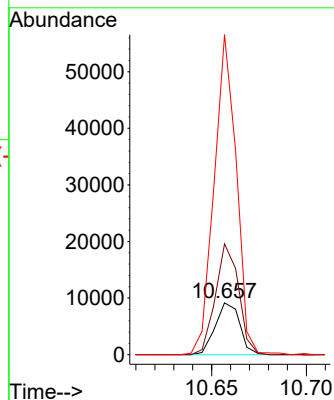
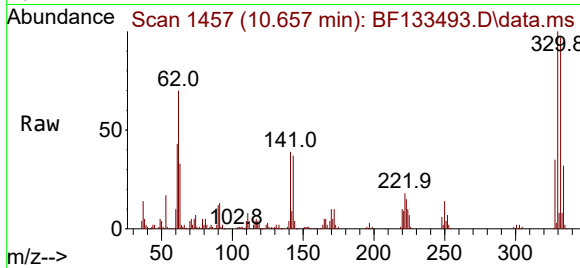




#67
4-Bromophenyl-phenylether
Concen: 2.906 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

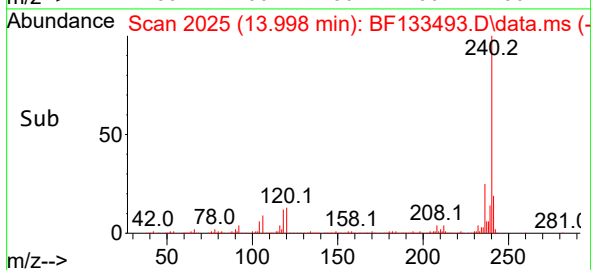
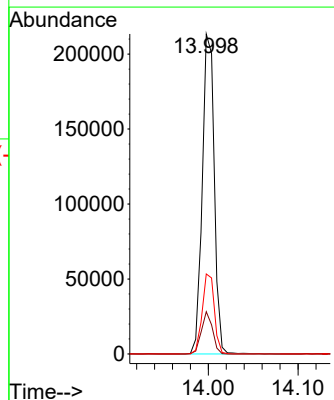
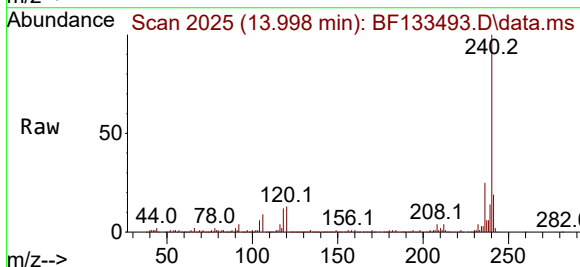
Instrument :
BNA_F
ClientSampleId :
FS-SB-20(ELEV-13-11)

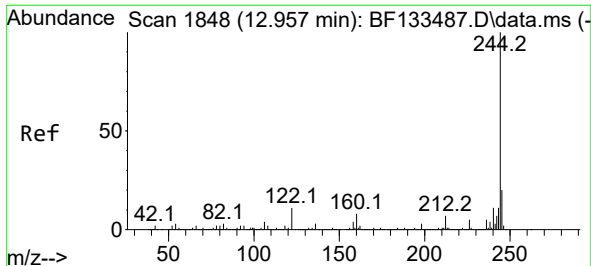
Tgt Ion:248 Resp: 8215
Ion Ratio Lower Upper
248 100
250 213.9 79.7 119.5#
141 616.8 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF133493.D
Acq: 25 May 2023 18:00

Tgt Ion:240 Resp: 198051
Ion Ratio Lower Upper
240 100
120 13.2 10.3 15.5
236 25.0 20.5 30.7

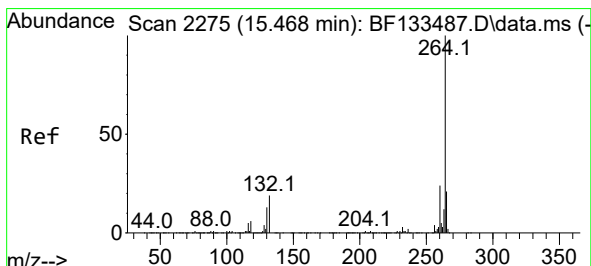
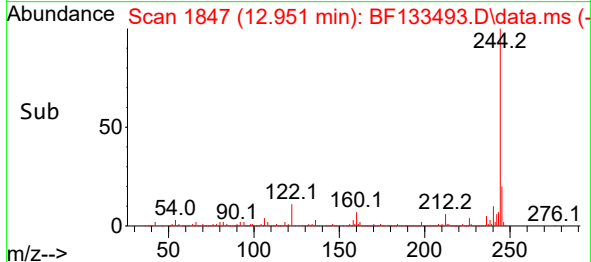
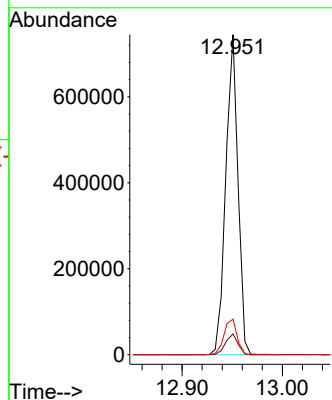
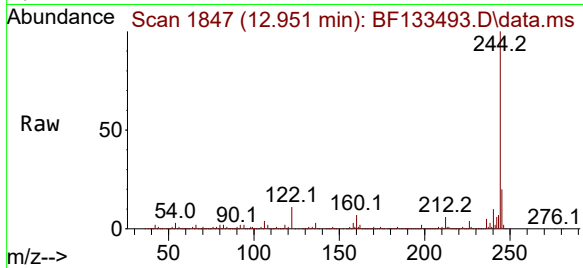




#79
 Terphenyl-d14
 Concen: 56.247 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133493.D
 Acq: 25 May 2023 18:00

Instrument :
 BNA_F
 ClientSampleId :
 FS-SB-20(ELEV-13-11)

Tgt Ion:244 Resp: 626536
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 11.1 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.456 min Scan# 2273
 Delta R.T. -0.012 min
 Lab File: BF133493.D
 Acq: 25 May 2023 18:00

Tgt Ion:264 Resp: 236975
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.4
 265 22.0 16.8 25.2

