

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133244.D
 Acq On : 04 May 2023 22:08
 Operator : CG\JU
 Sample : 02588-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-3-6-05012023

Quant Time: May 05 05:33:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

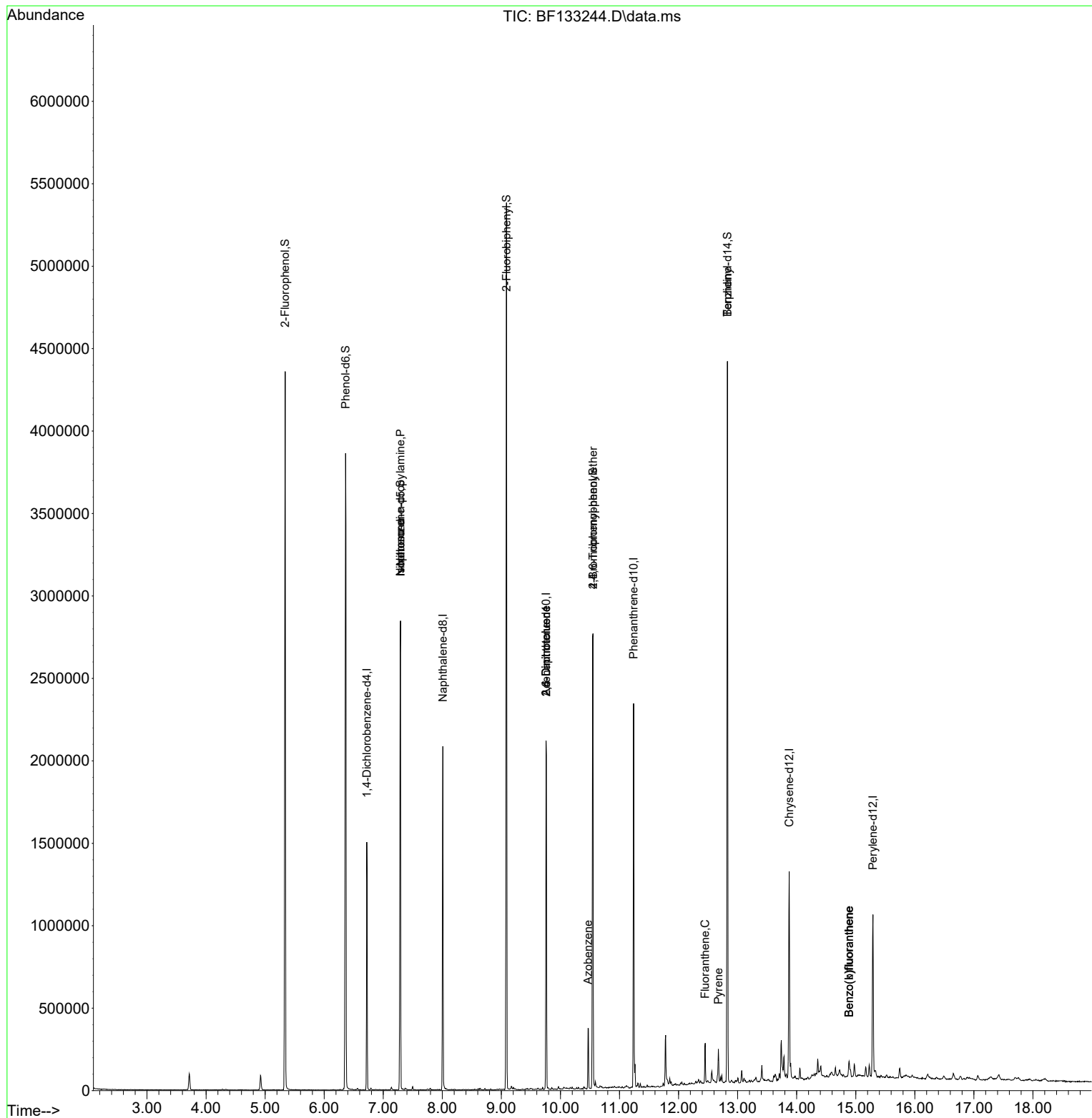
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	205678	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	831926	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	436510	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	755203	20.000	ng	0.00
76) Chrysene-d12	13.874	240	380225	20.000	ng	-0.01
86) Perylene-d12	15.292	264	419651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	1237128	90.861	ng	0.00
7) Phenol-d6	6.363	99	1494382	88.426	ng	-0.01
23) Nitrobenzene-d5	7.292	82	919631	59.667	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	363450	82.792	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1546275	59.264	ng	0.00
79) Terphenyl-d14	12.827	244	1463380	66.378	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.269	77	845	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.292	70	123429	11.732 ng	#	75
25) Isophorone	7.292	82	917455	31.352 ng	#	62
51) 2,6-Dinitrotoluene	9.757	165	55764	8.140 ng	#	25
57) 2,4-Dinitrotoluene	9.757	165	55764	6.383 ng	#	24
63) Azobenzene	10.469	77	67507	2.217 ng	#	1
67) 4-Bromophenyl-phenylether	10.551	248	23200	2.833 ng	#	1
75) Fluoranthene	12.451	202	92675	2.275 ng		94
77) Benzidine	12.827	184	19199	2.986 ng	#	89
78) Pyrene	12.674	202	77023	2.363 ng		98
88) Benzo(b)fluoranthene	14.886	252	62754	2.351 ng	#	96
89) Benzo(k)fluoranthene	14.886	252	62754	2.371 ng	#	96

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

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ZONE-B-3-6-05012023

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QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

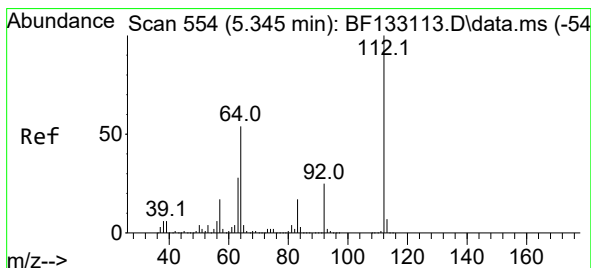
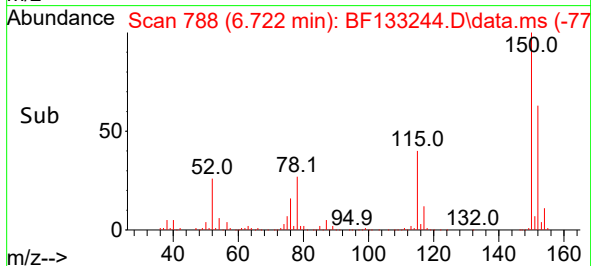
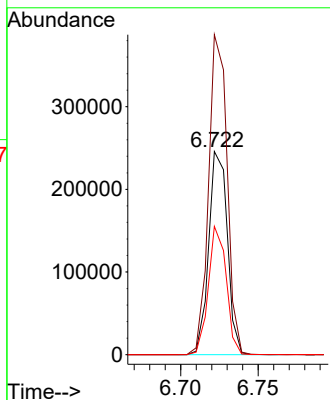
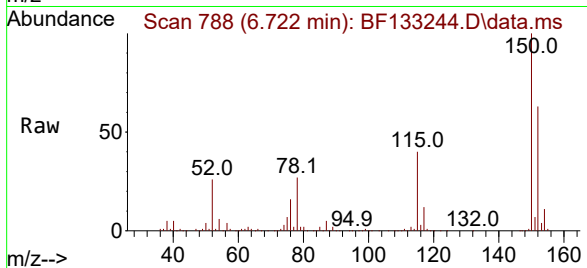




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

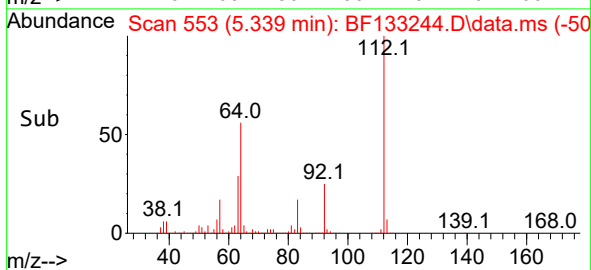
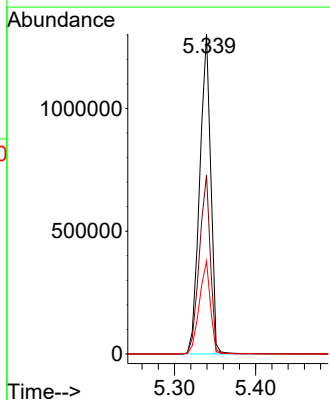
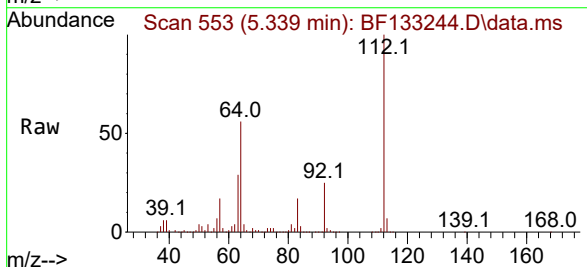
Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

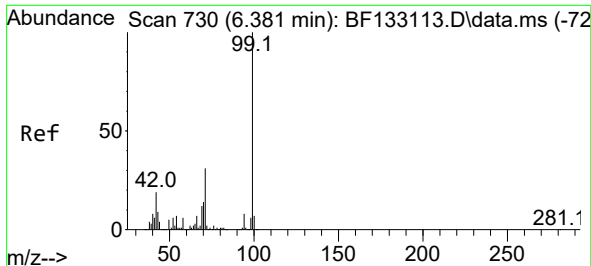
Tgt Ion:152 Resp: 205678
Ion Ratio Lower Upper
152 100
150 157.5 124.8 187.2
115 63.2 49.9 74.9



#5
2-Fluorophenol
Concen: 90.861 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion:112 Resp: 1237128
Ion Ratio Lower Upper
112 100
64 56.0 46.8 70.2
63 29.0 23.8 35.8

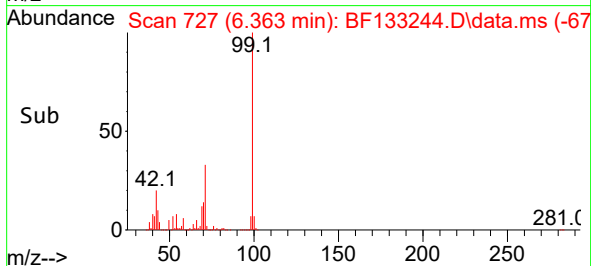
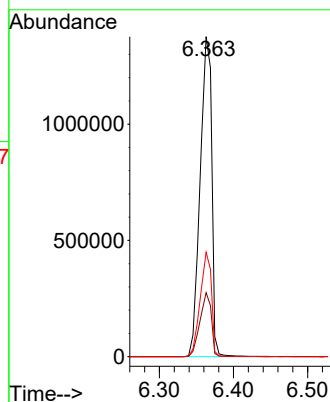
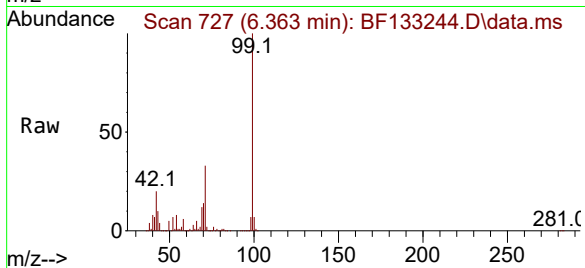




#7
Phenol-d6
Concen: 88.426 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

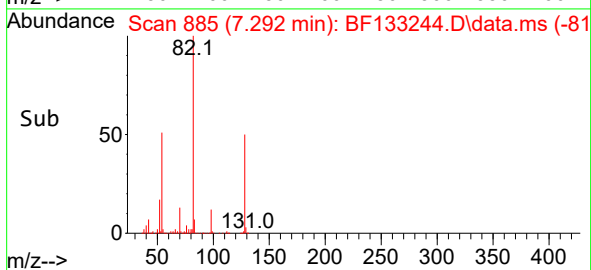
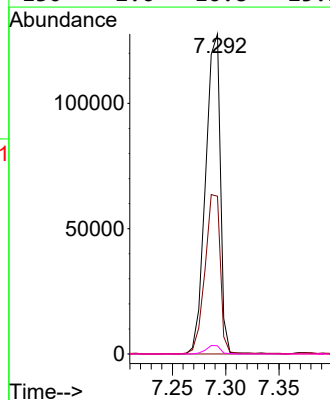
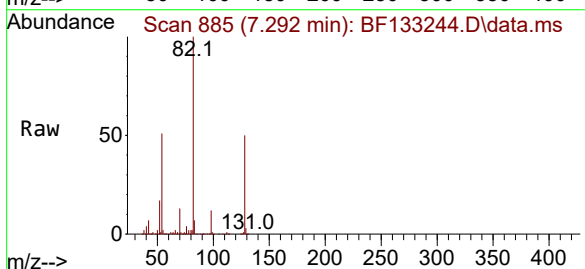
Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

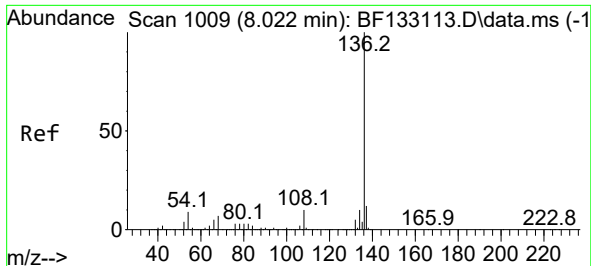
Tgt Ion: 99 Resp: 1494382
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 32.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.732 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion: 70 Resp: 123429
Ion Ratio Lower Upper
70 100
42 49.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.6 16.8 25.2#

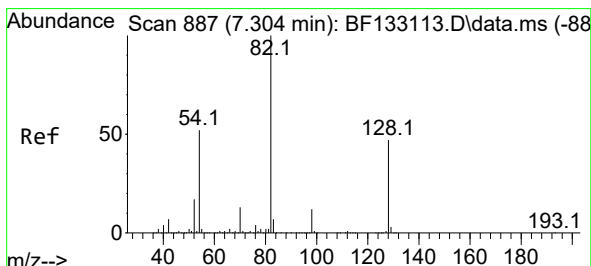
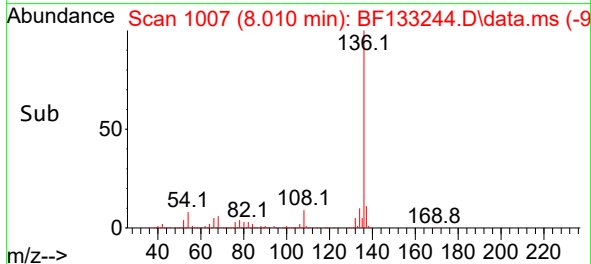
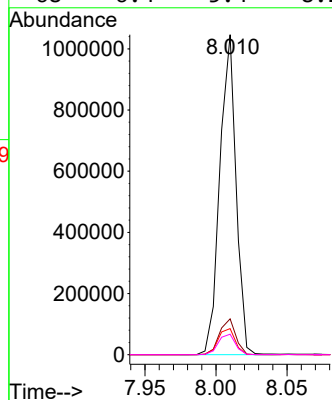
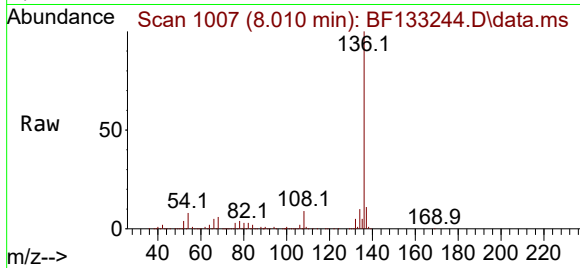




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

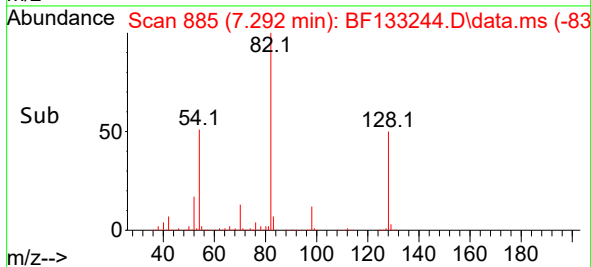
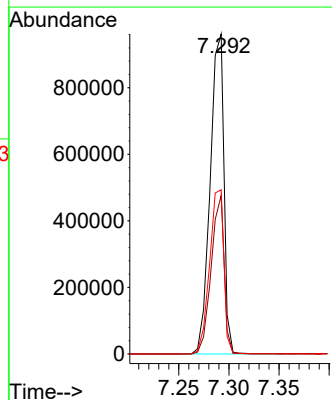
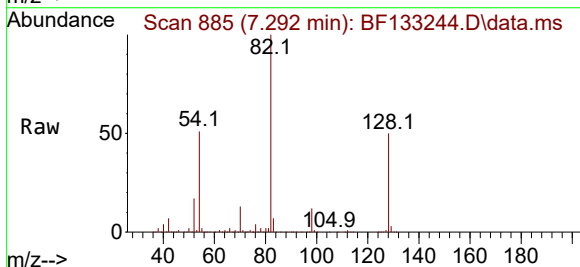
Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

Tgt Ion:136 Resp: 831926
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.1 7.0 10.4
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 59.667 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion: 82 Resp: 919631
Ion Ratio Lower Upper
82 100
128 49.5 37.7 56.5
54 51.3 43.0 64.4

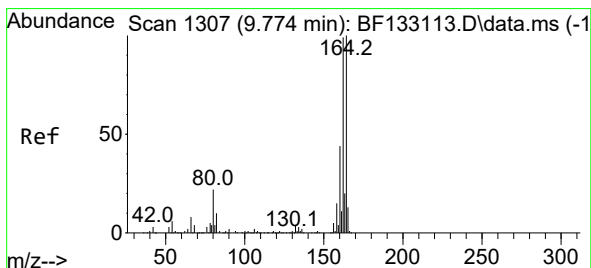
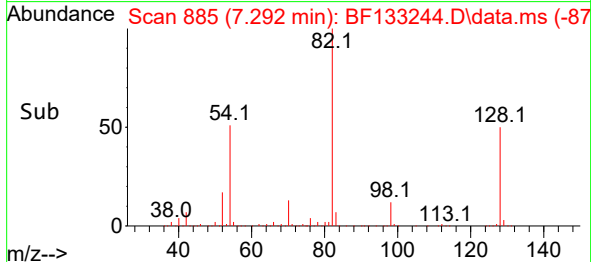
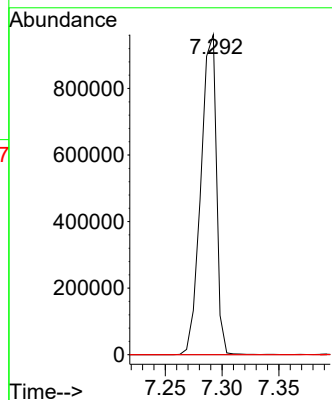
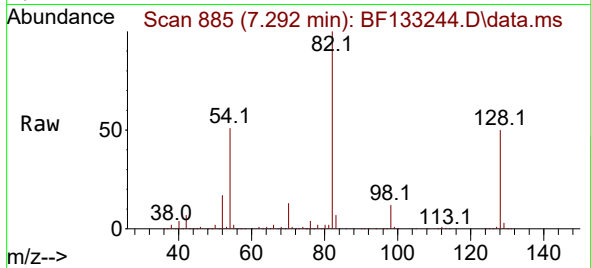




#25
Isophorone
Concen: 31.352 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

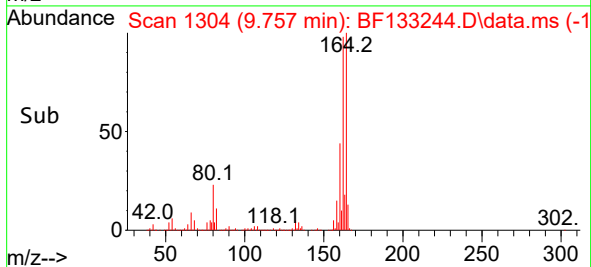
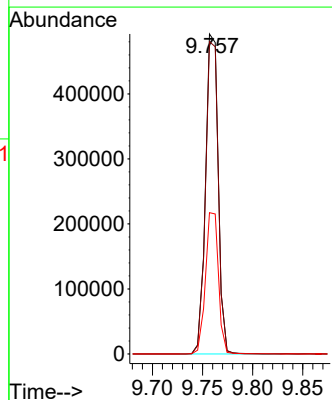
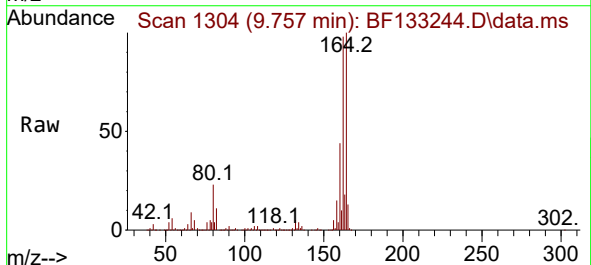
Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

Tgt Ion: 82 Resp: 917455
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

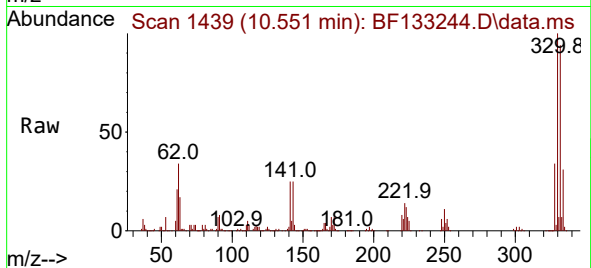
Tgt Ion: 164 Resp: 436510
Ion Ratio Lower Upper
164 100
162 97.6 78.7 118.1
160 44.2 35.8 53.6



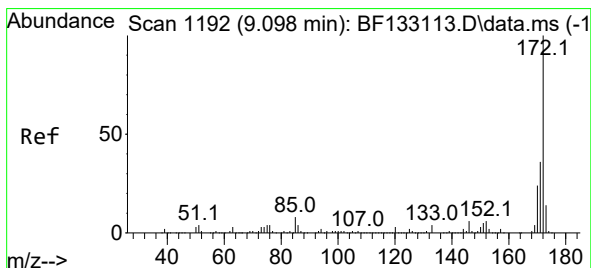
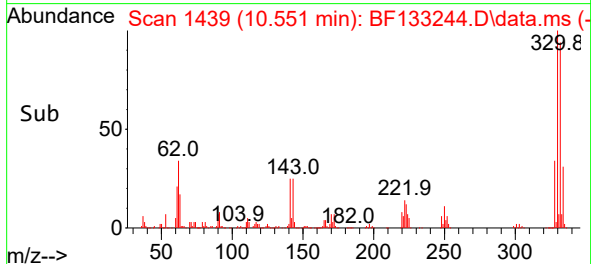
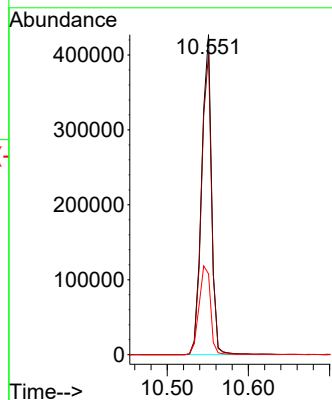


#42
2,4,6-Tribromophenol
Concen: 82.792 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

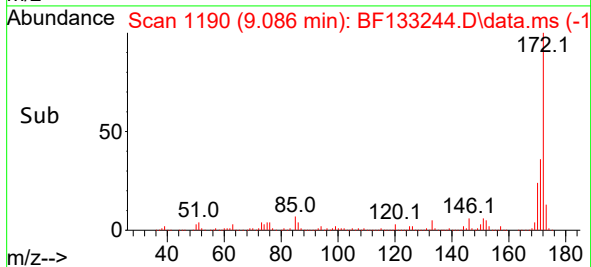
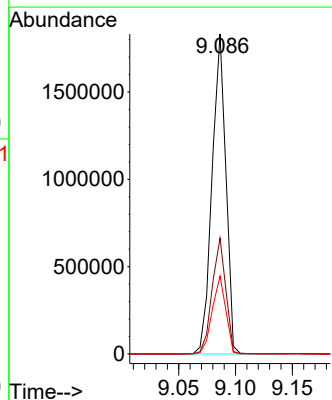
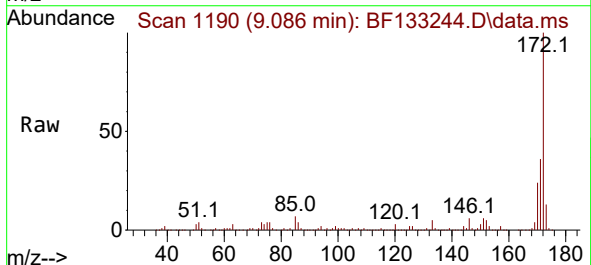


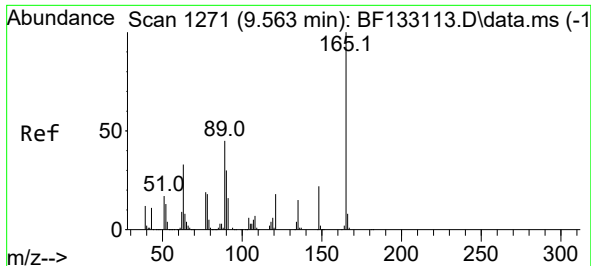
Tgt Ion:330 Resp: 363450
Ion Ratio Lower Upper
330 100
332 95.6 77.1 115.7
141 32.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 59.264 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion:172 Resp: 1546275
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.4 19.4 29.2

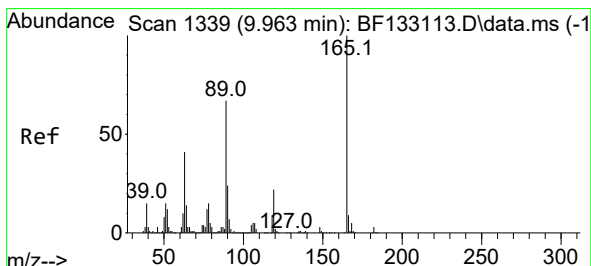
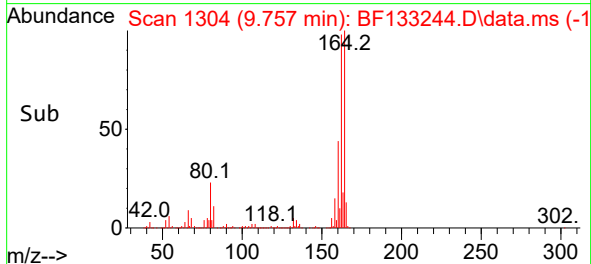
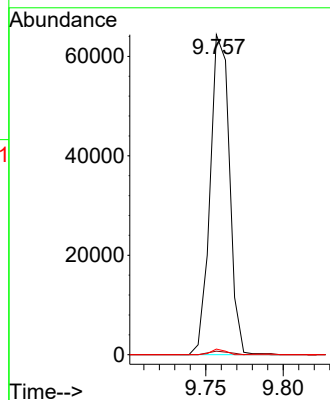
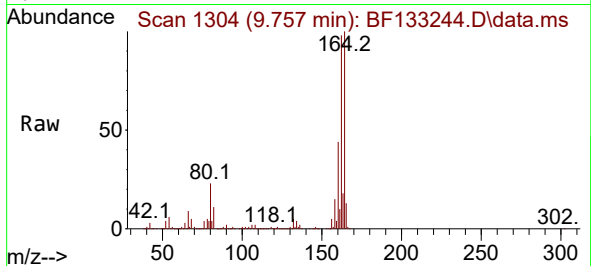




#51
2,6-Dinitrotoluene
Concen: 8.140 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

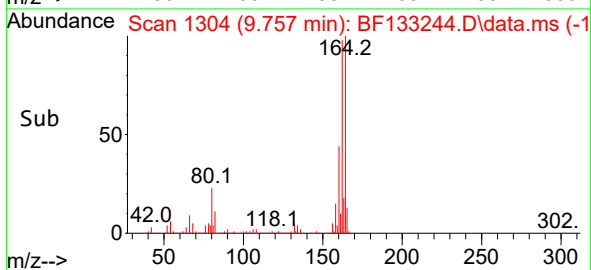
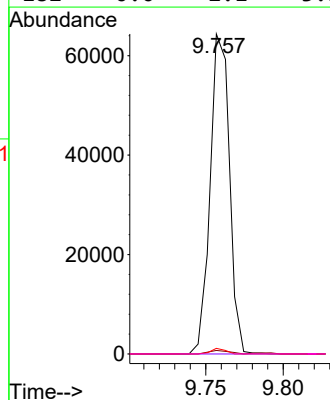
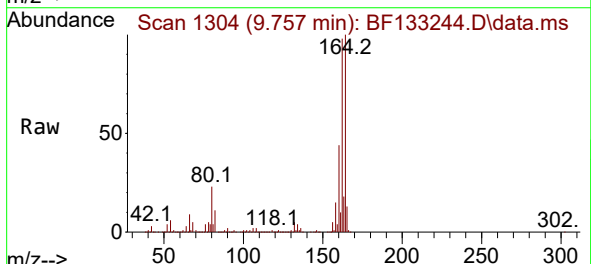
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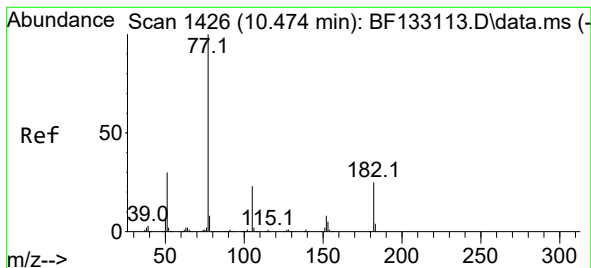
Tgt Ion:165 Resp: 55764
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.383 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion:165 Resp: 55764
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.8 57.0 85.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.217 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ZONE-B-3-6-05012023

Tgt Ion: 77 Resp: 67507

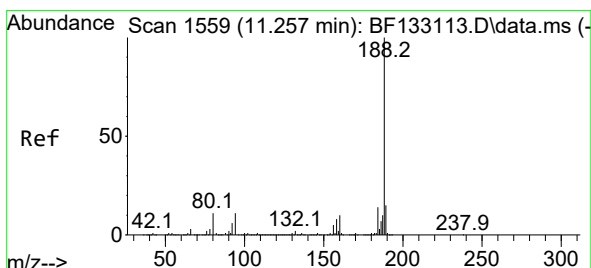
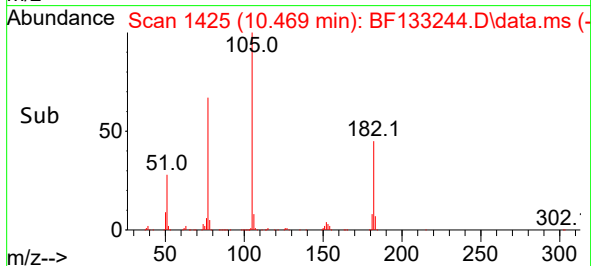
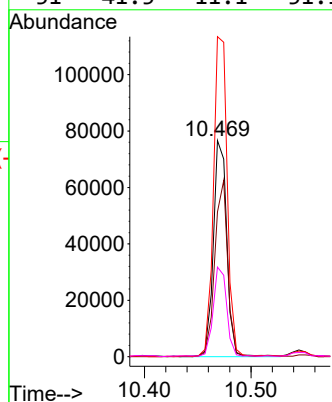
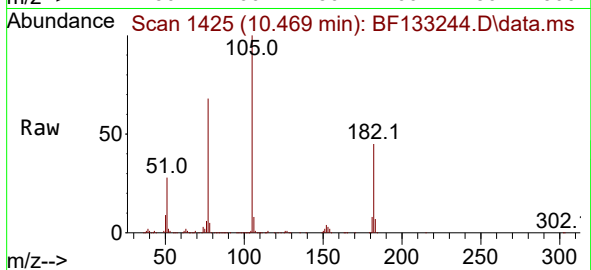
Ion Ratio Lower Upper

77 100

182 67.0 5.9 45.9#

105 148.0 2.3 42.3#

51 41.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

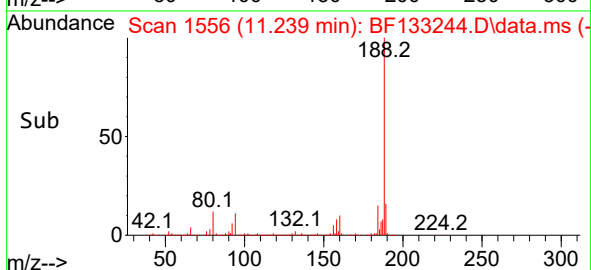
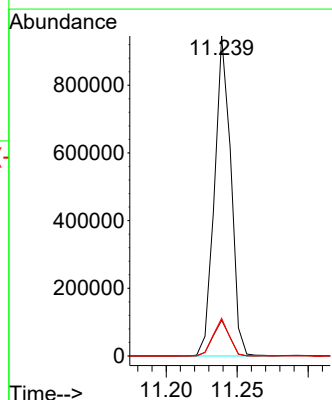
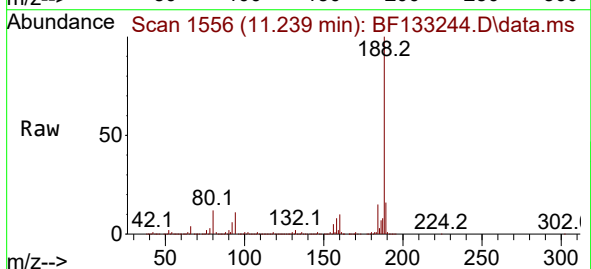
Tgt Ion: 188 Resp: 755203

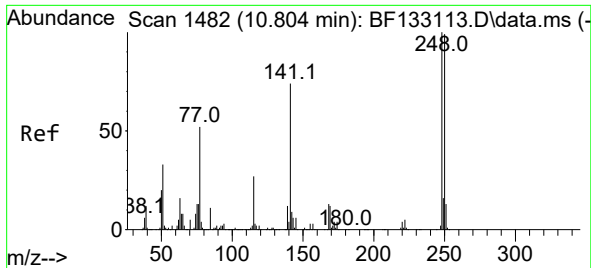
Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.8 10.4 15.6

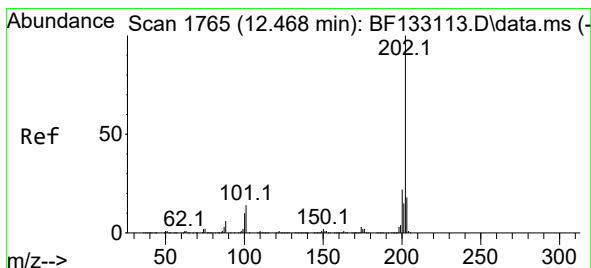
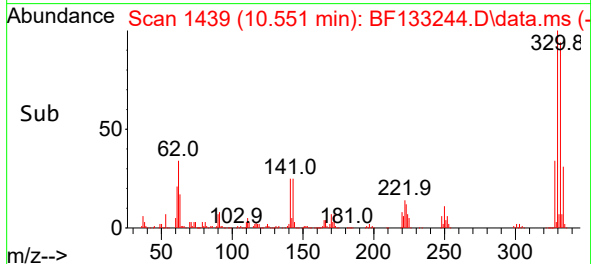
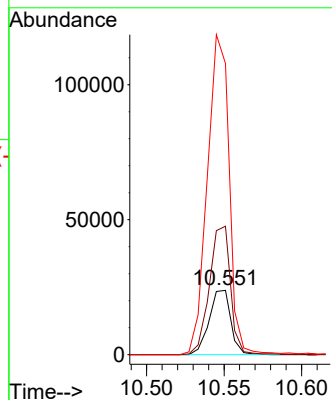
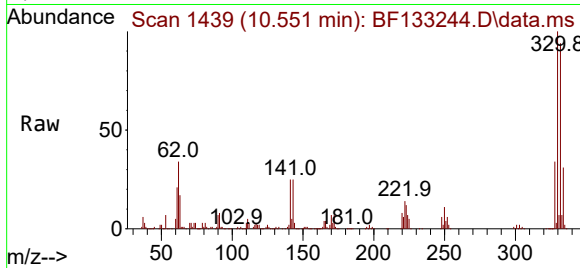




#67
4-Bromophenyl-phenylether
Concen: 2.833 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.247 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

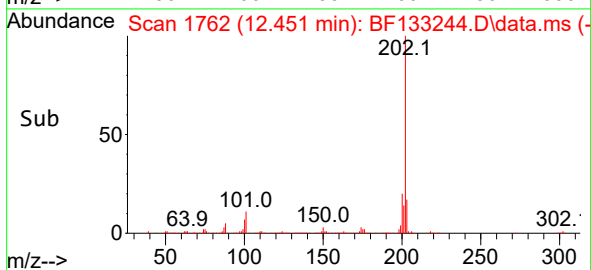
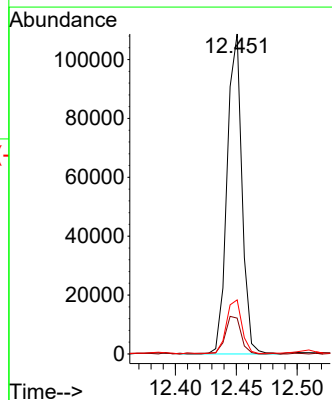
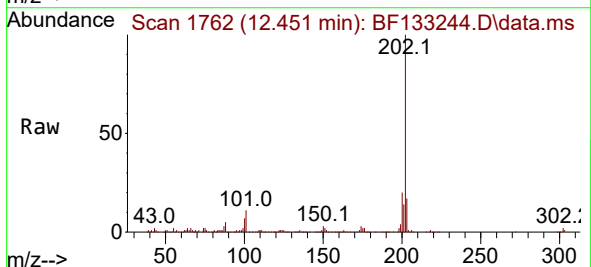
Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023

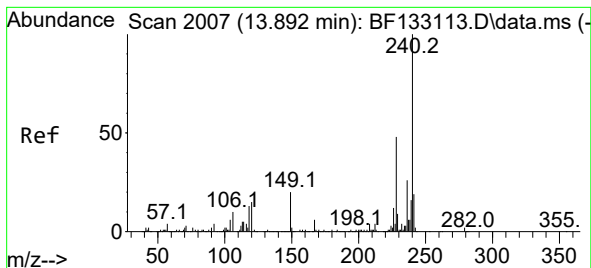
Tgt Ion:248 Resp: 23200
Ion Ratio Lower Upper
248 100
250 199.7 78.7 118.1#
141 452.6 56.3 84.5#



#75
Fluoranthene
Concen: 2.275 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Tgt Ion:202 Resp: 92675
Ion Ratio Lower Upper
202 100
101 11.2 0.0 35.3
203 16.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ZONE-B-3-6-05012023

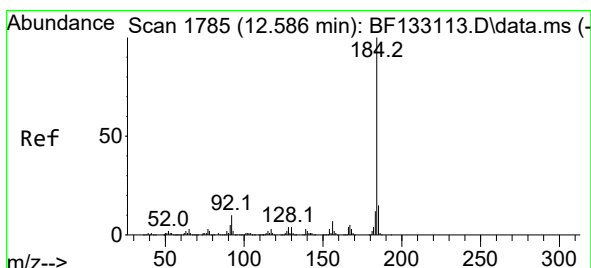
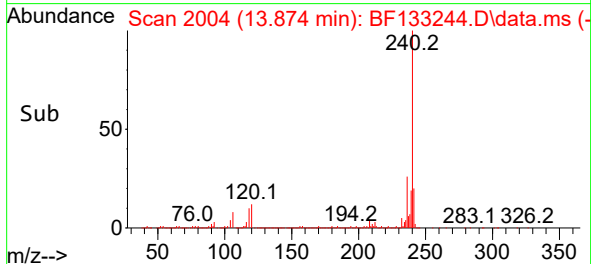
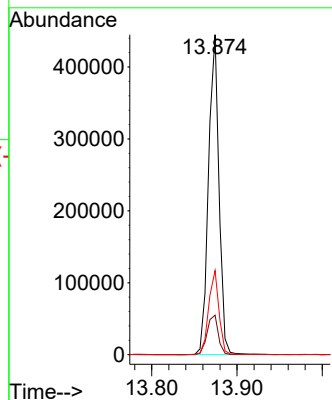
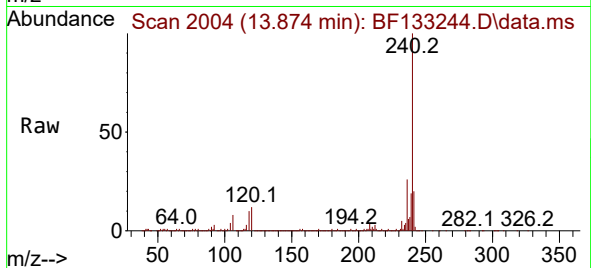
Tgt Ion:240 Resp: 380225

Ion Ratio Lower Upper

240 100

120 12.4 10.5 15.7

236 26.3 21.5 32.3



#77

Benzidine

Concen: 2.986 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.247 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

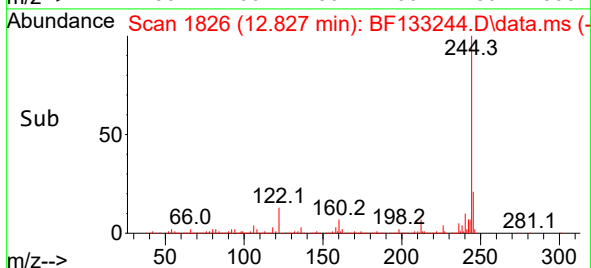
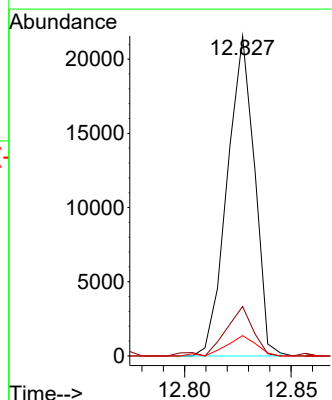
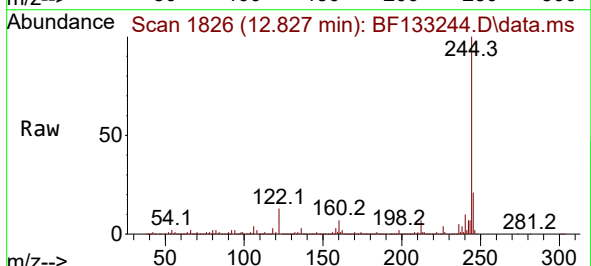
Tgt Ion:184 Resp: 19199

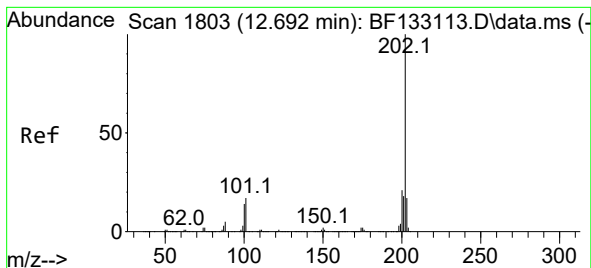
Ion Ratio Lower Upper

184 100

185 15.5 15.4 23.2

183 6.3 9.4 14.0#





#78

Pyrene

Concen: 2.363 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

Instrument :

BNA_F

ClientSampleId :

ZONE-B-3-6-05012023

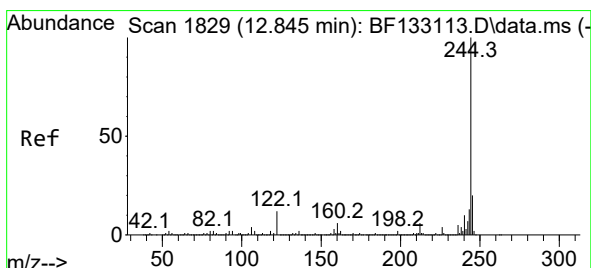
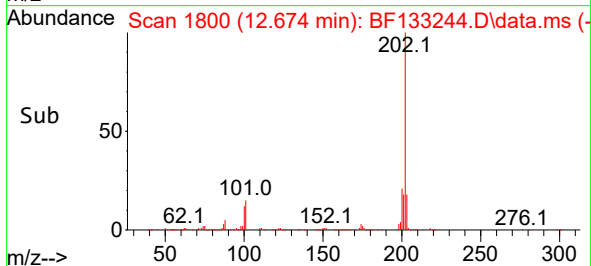
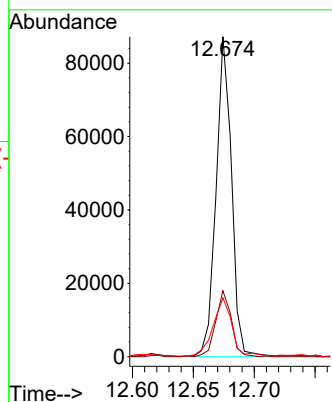
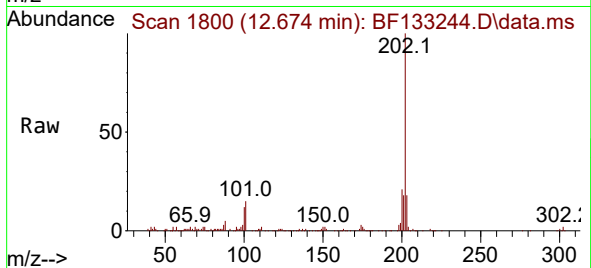
Tgt Ion:202 Resp: 77023

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 18.4 14.1 21.1



#79

Terphenyl-d14

Concen: 66.378 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133244.D

Acq: 04 May 2023 22:08

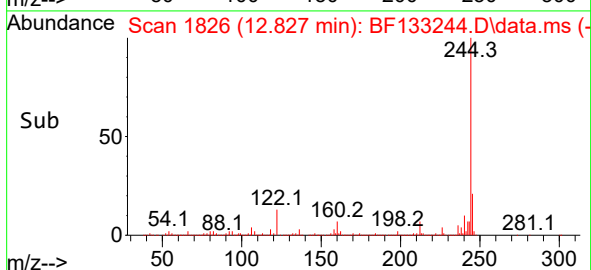
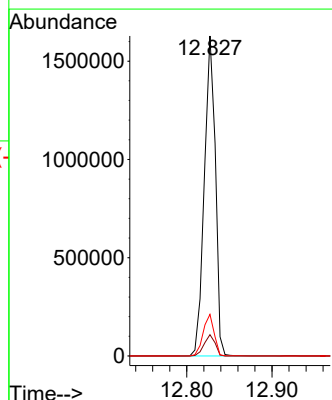
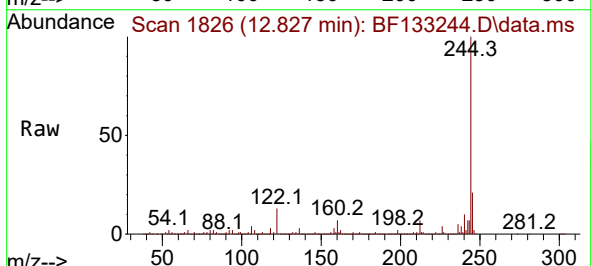
Tgt Ion:244 Resp: 1463380

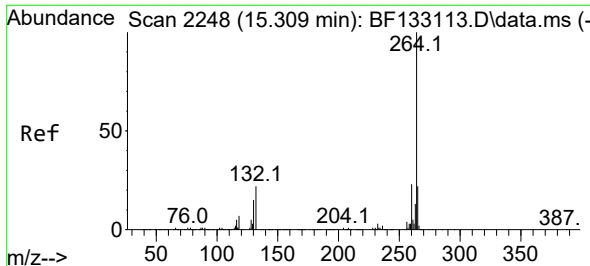
Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 13.0 8.6 13.0#

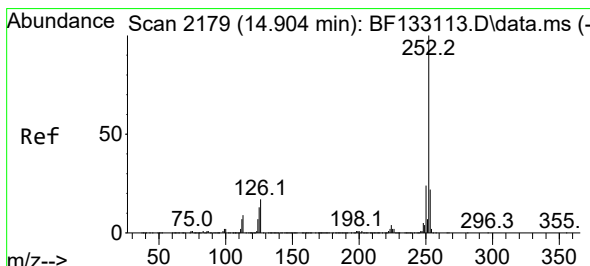
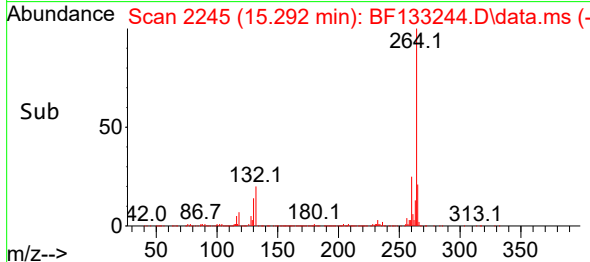
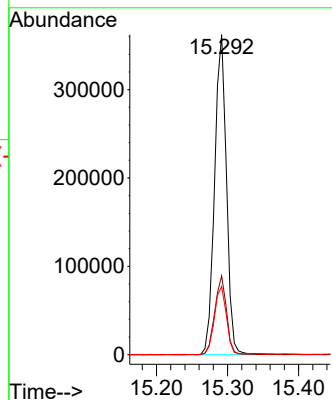
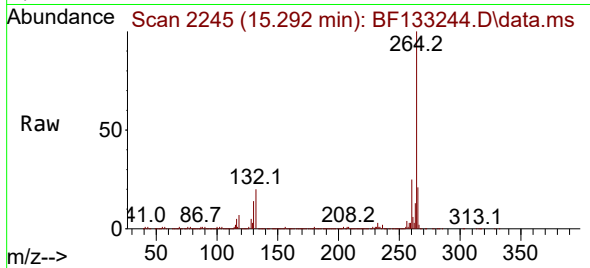




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2176
 Delta R.T. -0.006 min
 Lab File: BF133244.D
 Acq: 04 May 2023 22:08

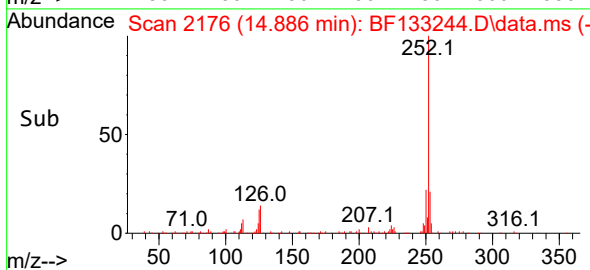
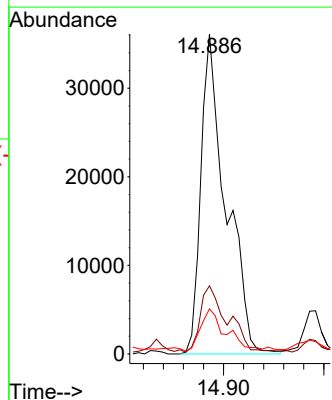
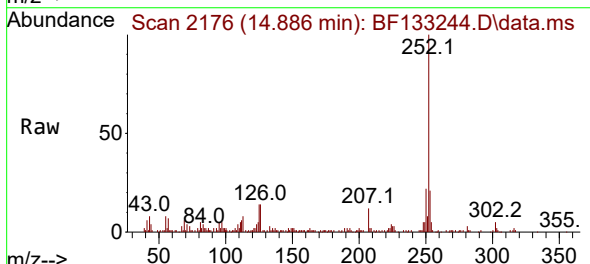
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-3-6-05012023

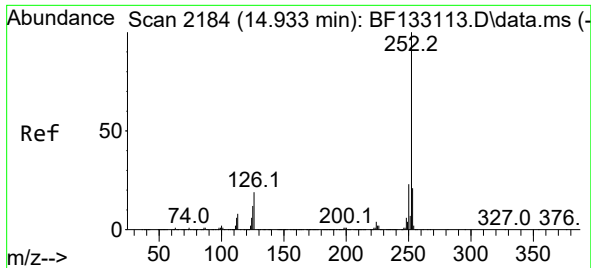
Tgt Ion:264 Resp: 419651
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 21.3 17.0 25.4



#88
 Benzo(b)fluoranthene
 Concen: 2.351 ng
 RT: 14.886 min Scan# 2176
 Delta R.T. -0.012 min
 Lab File: BF133244.D
 Acq: 04 May 2023 22:08

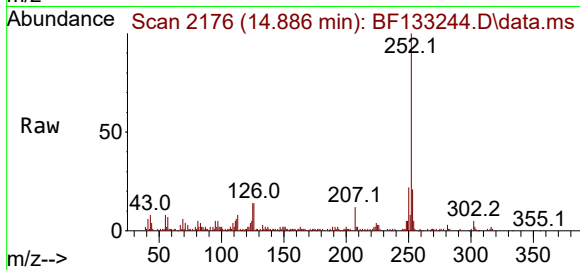
Tgt Ion:252 Resp: 62754
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.6 26.4
 125 14.1 8.9 13.3#





#89
Benzo(k)fluoranthene
Concen: 2.371 ng
RT: 14.886 min Scan# 2184
Delta R.T. -0.041 min
Lab File: BF133244.D
Acq: 04 May 2023 22:08

Instrument :
BNA_F
ClientSampleId :
ZONE-B-3-6-05012023



Tgt Ion:252 Resp: 62754
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 14.1 9.0 13.4#

