

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133417.D
 Acq On : 17 May 2023 17:14
 Operator : CG\JU
 Sample : 02812-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-10-13

Quant Time: May 18 04:03:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

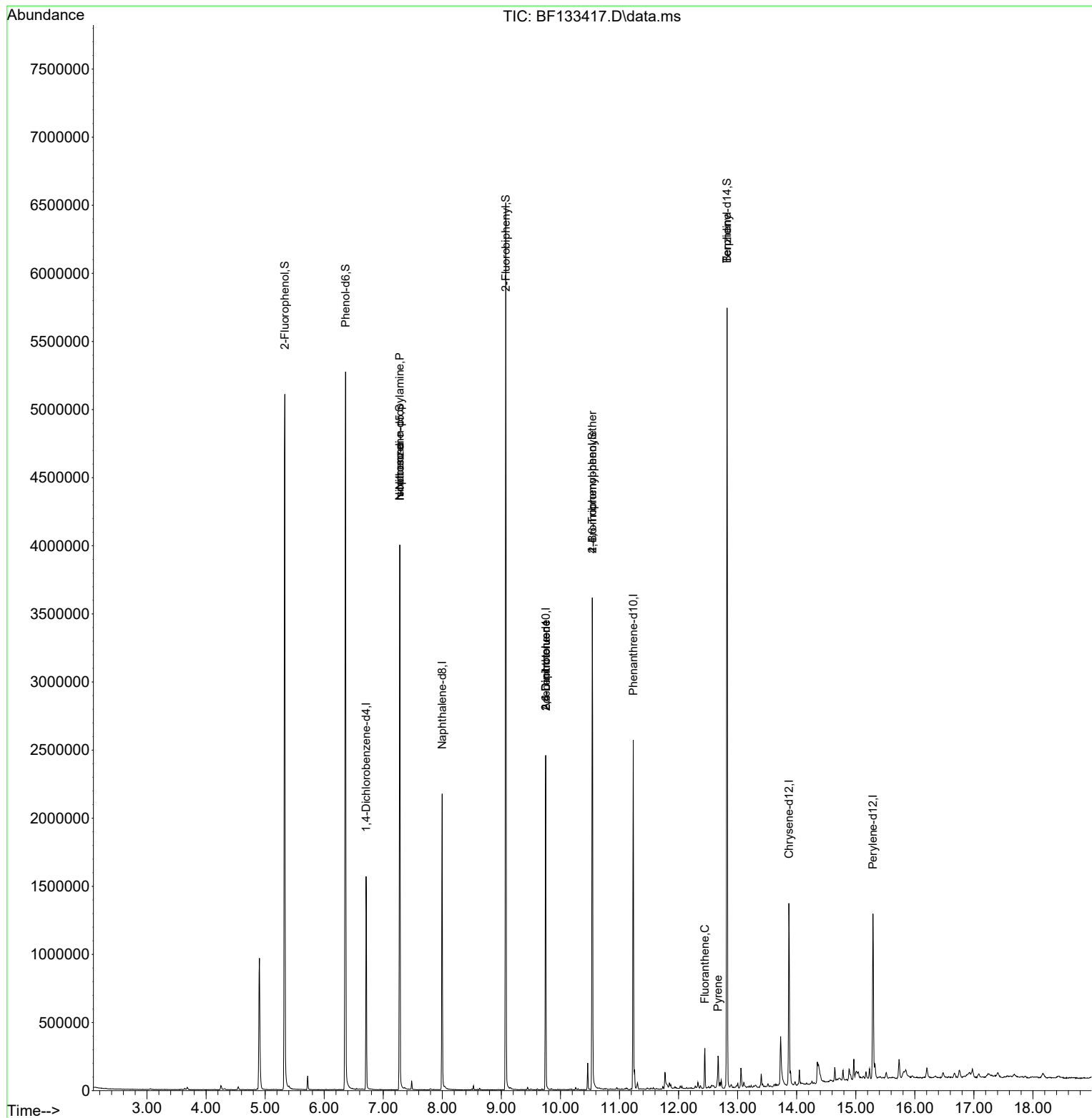
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	228357	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	920684	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	476285	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	862697	20.000	ng	-0.01
76) Chrysene-d12	13.869	240	417845	20.000	ng	-0.02
86) Perylene-d12	15.292	264	510941	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1617855	107.023	ng	0.00
7) Phenol-d6	6.363	99	1950952	103.978	ng	0.00
23) Nitrobenzene-d5	7.281	82	1193766	69.987	ng	-0.01
42) 2,4,6-Tribromophenol	10.539	330	473981	98.953	ng	-0.01
45) 2-Fluorobiphenyl	9.075	172	1996166	70.117	ng	-0.01
79) Terphenyl-d14	12.822	244	2074124	85.610	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.281	77	380	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.281	70	157821	13.511	ng	# 75
25) Isophorone	7.281	82	1193752	36.861	ng	# 63
51) 2,6-Dinitrotoluene	9.751	165	60723	8.124	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	60804	6.379	ng	# 23
67) 4-Bromophenyl-phenylether	10.539	248	30712	3.282	ng	# 1
75) Fluoranthene	12.445	202	114853	2.468	ng	97
77) Benzidine	12.822	184	23106	3.270	ng	# 92
78) Pyrene	12.669	202	98001	2.736	ng	98

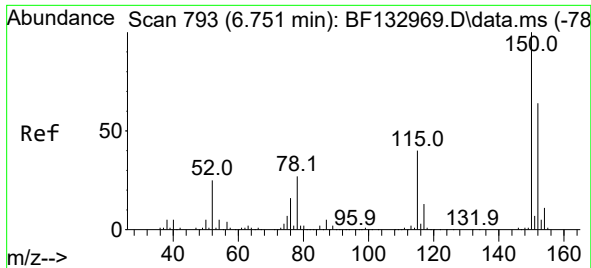
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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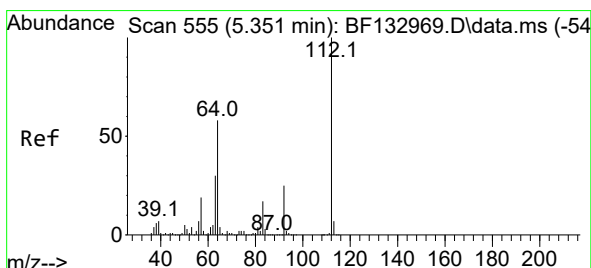
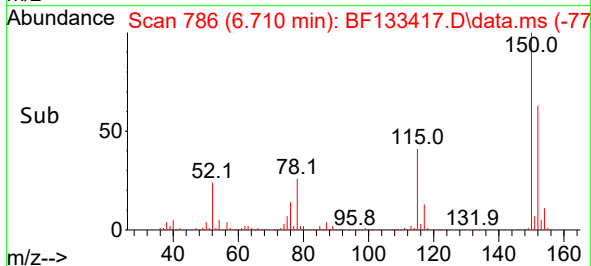
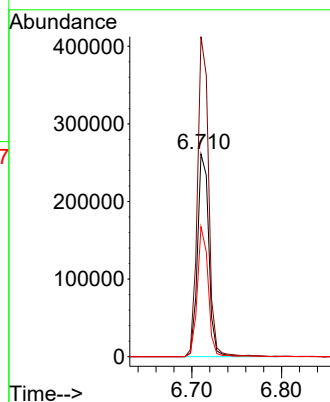
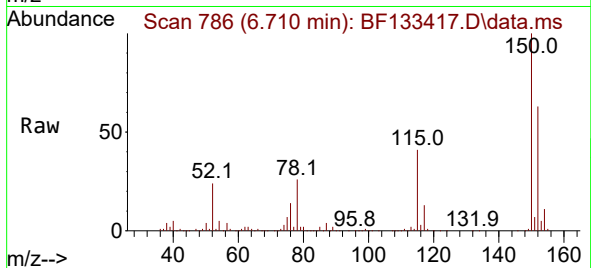




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 793
Delta R.T. -0.012 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

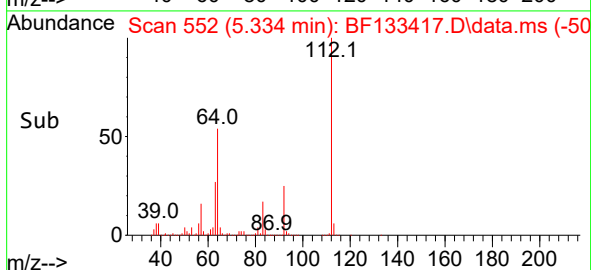
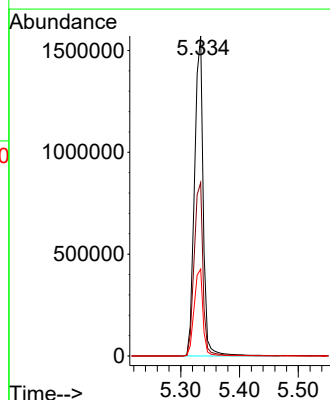
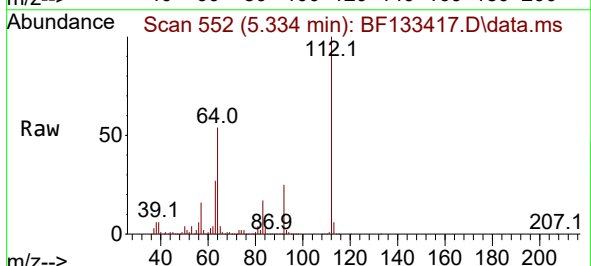
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

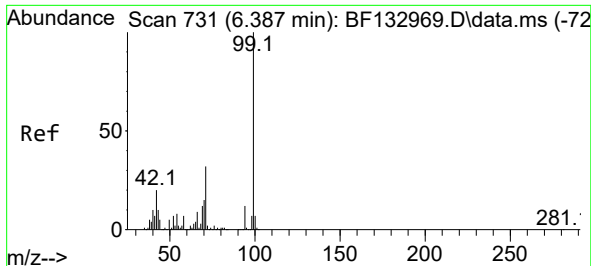
Tgt Ion:152 Resp: 228357
Ion Ratio Lower Upper
152 100
150 157.9 124.8 187.2
115 64.1 49.9 74.9



#5
2-Fluorophenol
Concen: 107.023 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion:112 Resp: 1617855
Ion Ratio Lower Upper
112 100
64 54.1 46.8 70.2
63 27.1 23.8 35.8

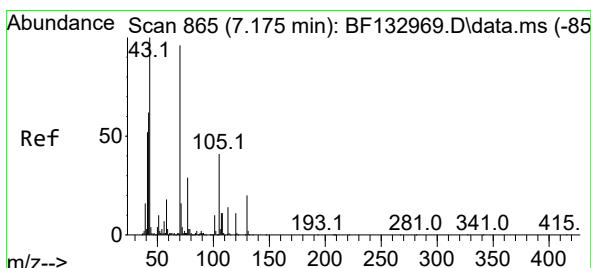
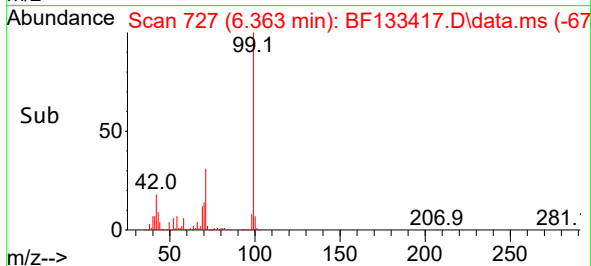
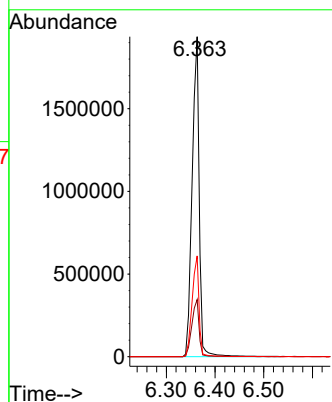
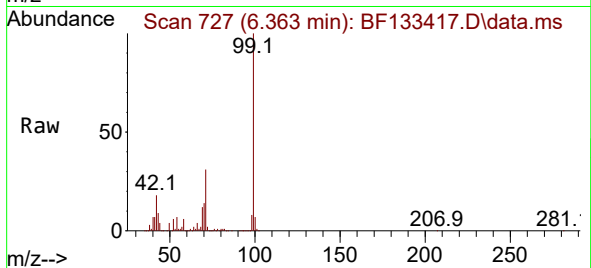




#7
Phenol-d6
Concen: 103.978 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

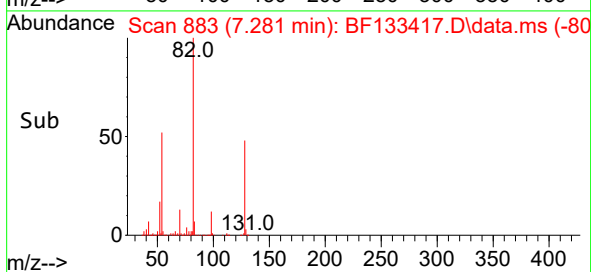
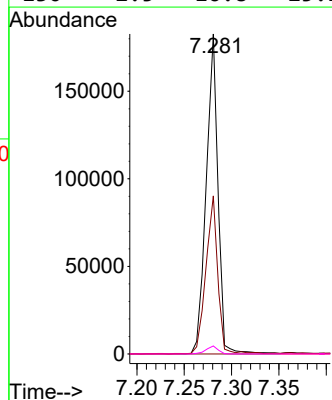
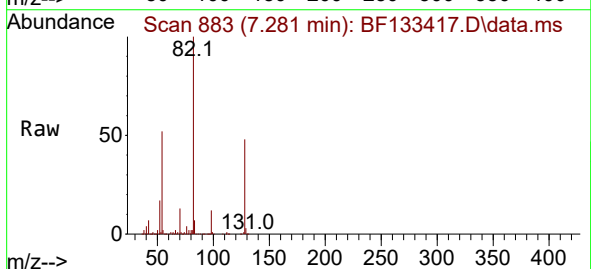
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

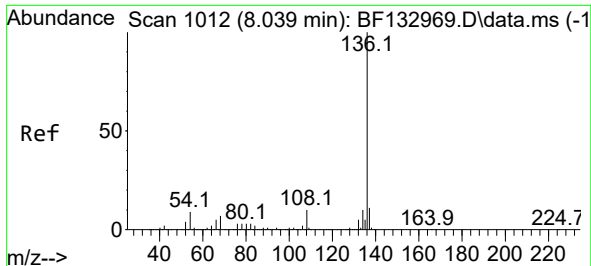
Tgt Ion: 99 Resp: 1950952
Ion Ratio Lower Upper
99 100
42 17.8 16.3 24.5
71 31.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.511 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion: 70 Resp: 157821
Ion Ratio Lower Upper
70 100
42 49.4 51.8 77.6#
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.998 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133417.D

Acq: 17 May 2023 17:14

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-10-13

Tgt Ion:136 Resp: 920684

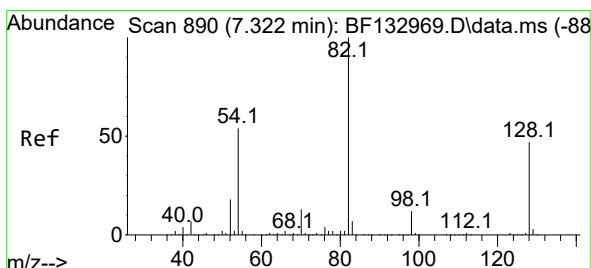
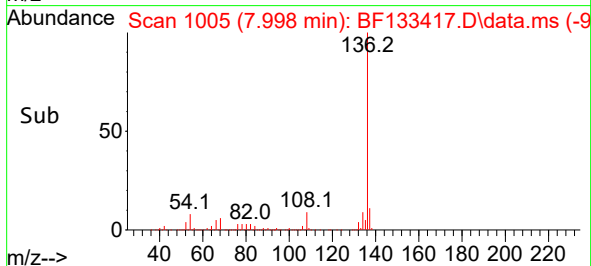
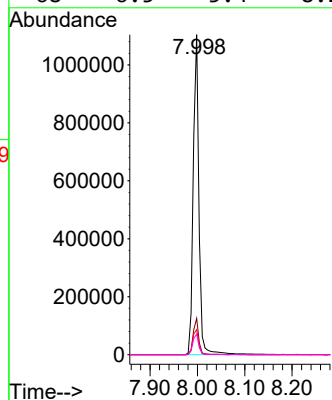
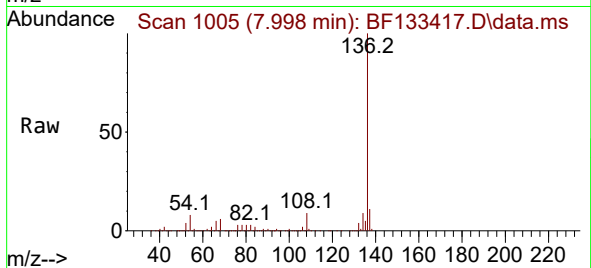
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 7.8 7.0 10.4

68 6.5 5.4 8.2



#23

Nitrobenzene-d5

Concen: 69.987 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133417.D

Acq: 17 May 2023 17:14

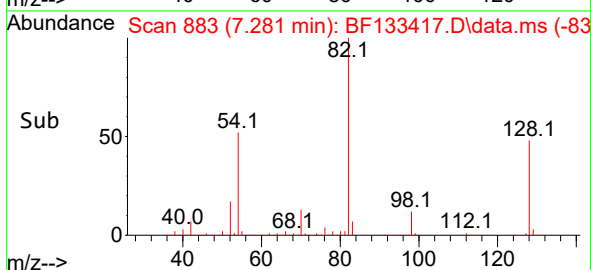
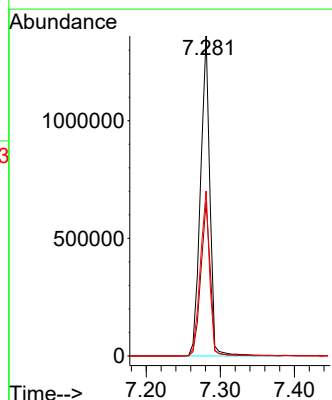
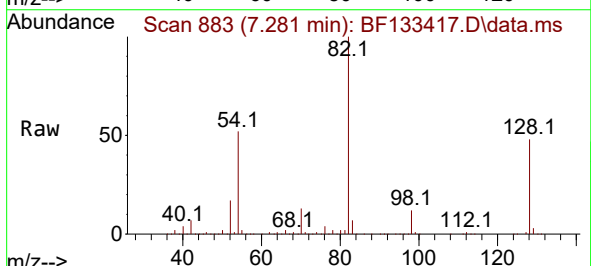
Tgt Ion: 82 Resp: 1193766

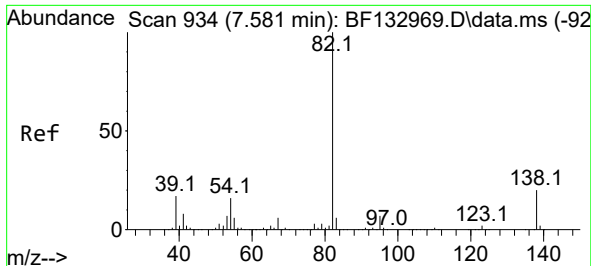
Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

54 51.5 43.0 64.4

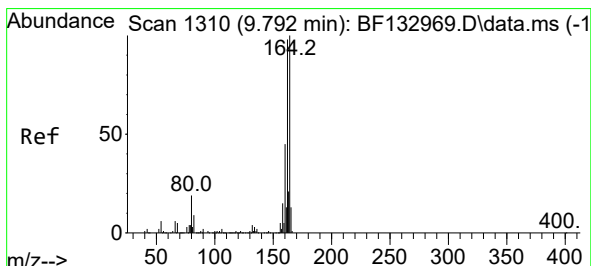
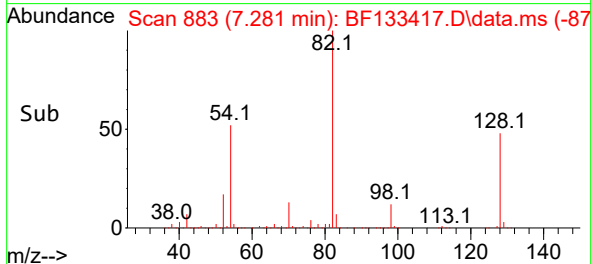
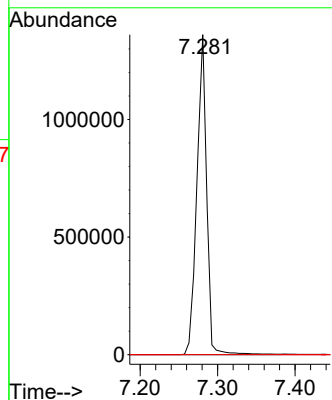
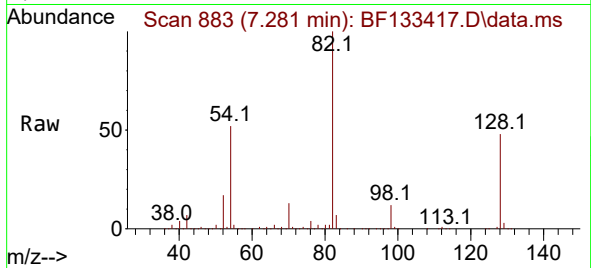




#25
Isophorone
Concen: 36.861 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

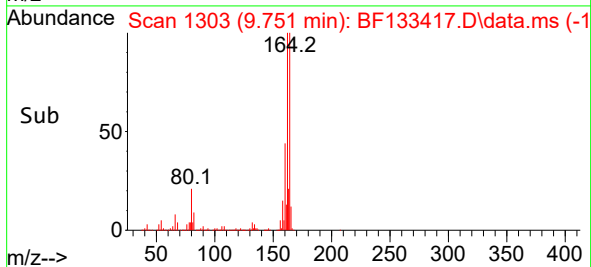
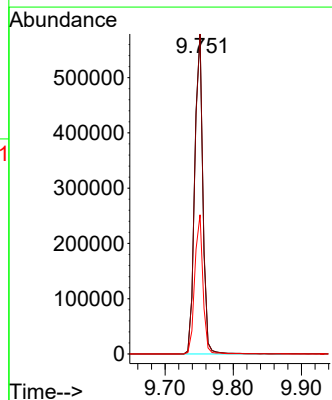
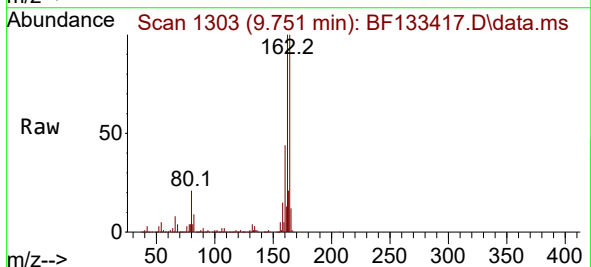
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

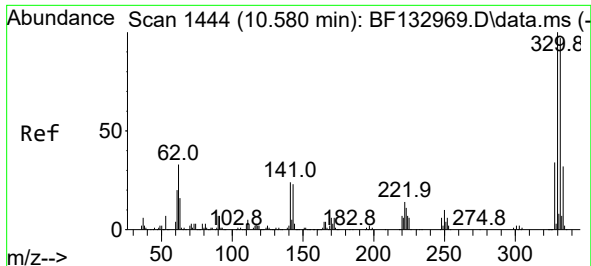
Tgt Ion: 82 Resp: 1193752
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion:164 Resp: 476285
Ion Ratio Lower Upper
164 100
162 100.2 78.7 118.1
160 43.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 98.953 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133417.D

Acq: 17 May 2023 17:14

Instrument :

BNA_F

ClientSampleId :

WG-0516-B4-10-13

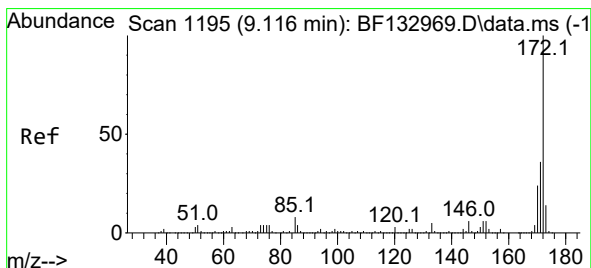
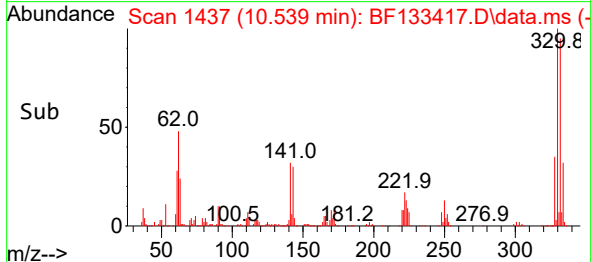
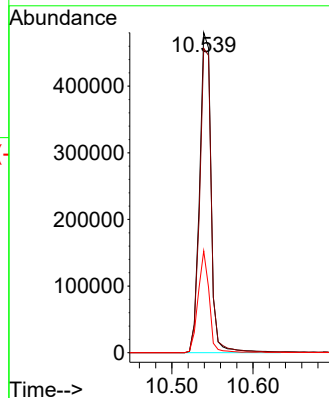
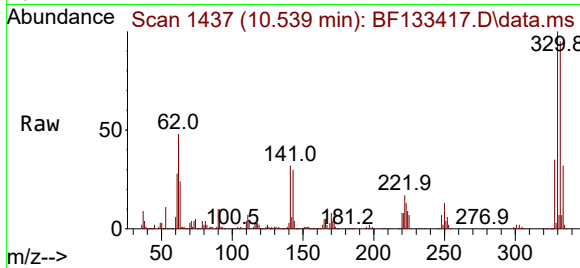
Tgt Ion:330 Resp: 473981

Ion Ratio Lower Upper

330 100

332 96.4 77.1 115.7

141 30.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 70.117 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133417.D

Acq: 17 May 2023 17:14

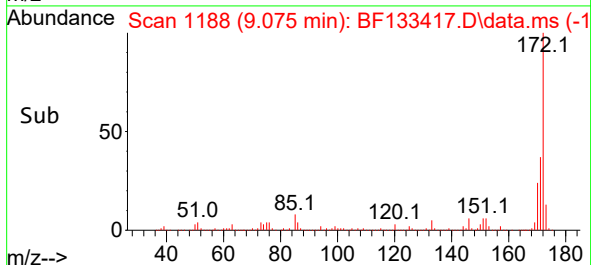
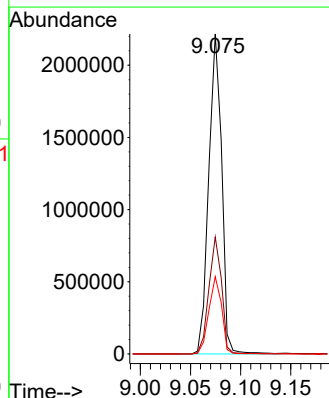
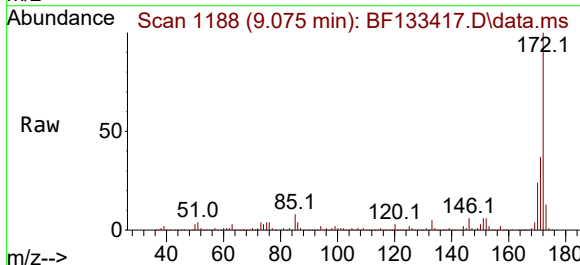
Tgt Ion:172 Resp: 1996166

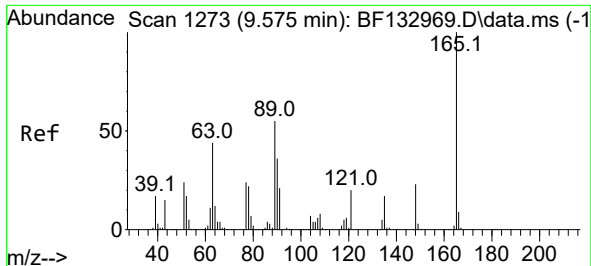
Ion Ratio Lower Upper

172 100

171 36.6 28.8 43.2

170 24.2 19.4 29.2

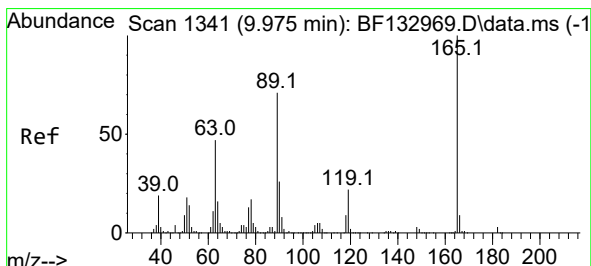
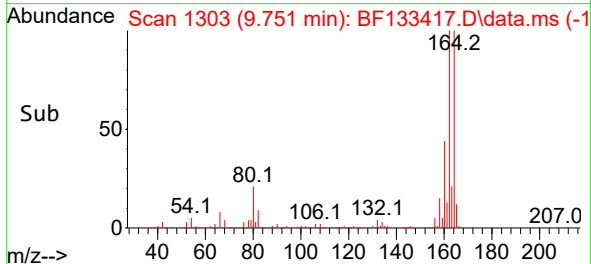
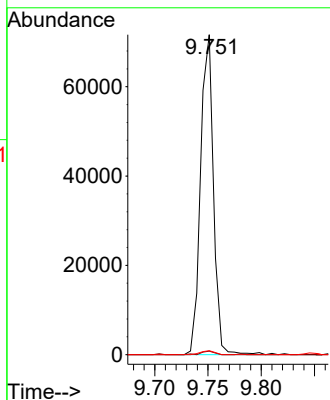
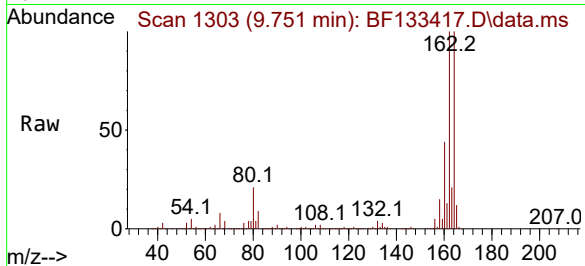




#51
2,6-Dinitrotoluene
Concen: 8.124 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

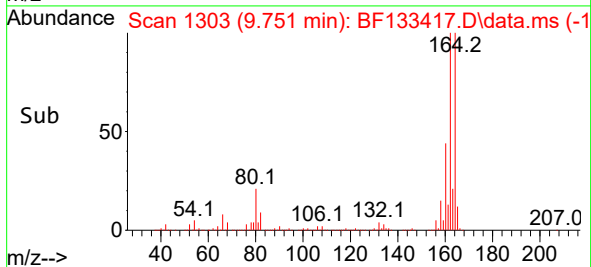
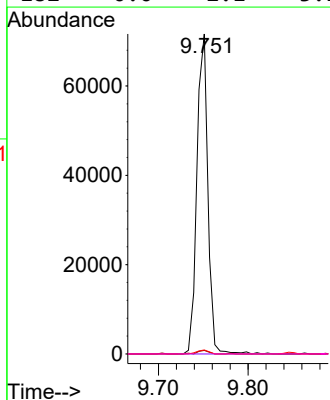
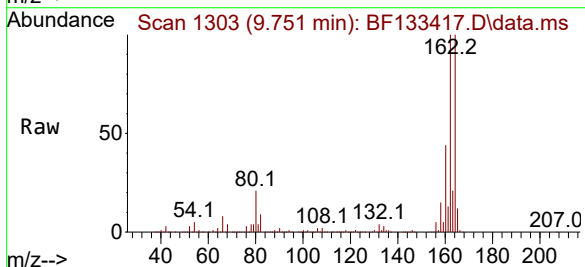
Instrument :
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WG-0516-B4-10-13

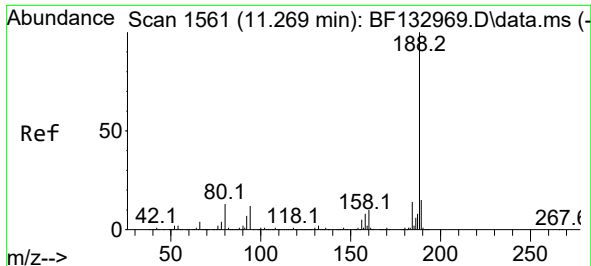
Tgt Ion:165 Resp: 60723
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.379 ng
RT: 9.751 min Scan# 1303
Delta R.T. -0.206 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion:165 Resp: 60804
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#

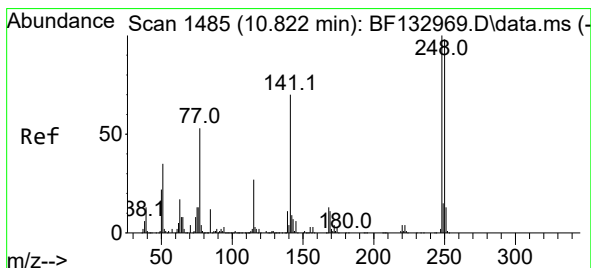
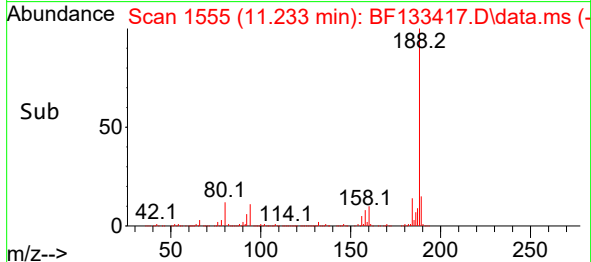
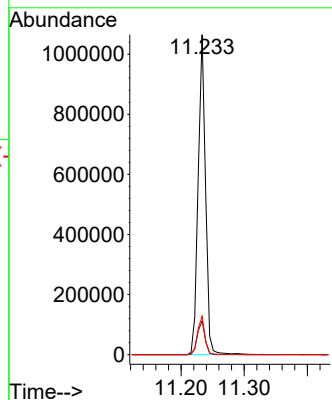
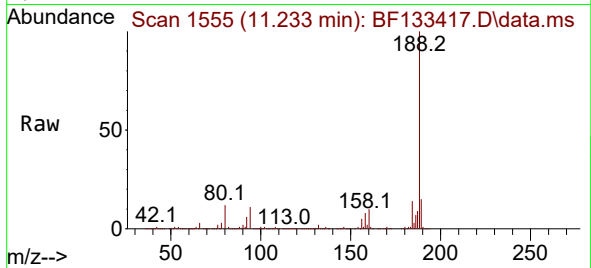




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.233 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

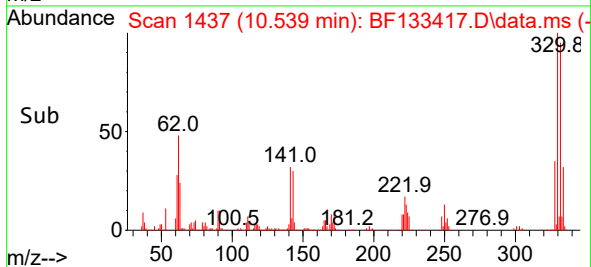
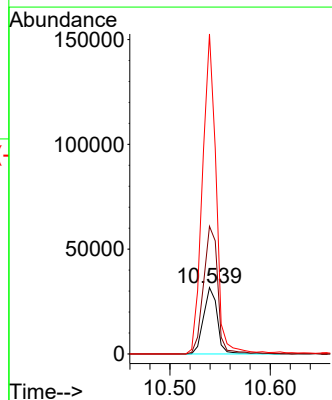
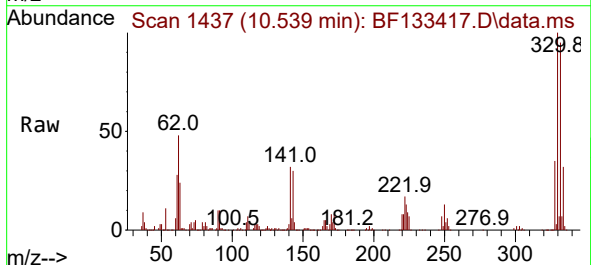
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

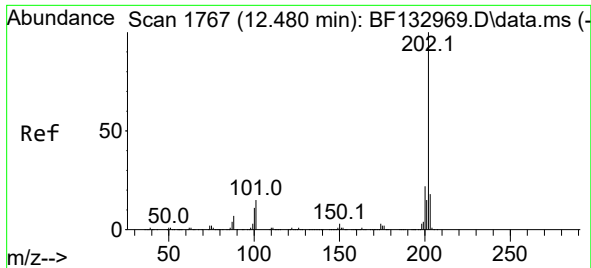
Tgt Ion:188 Resp: 862697
Ion Ratio Lower Upper
188 100
94 10.5 9.7 14.5
80 12.0 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 3.282 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion:248 Resp: 30712
Ion Ratio Lower Upper
248 100
250 192.4 78.7 118.1#
141 482.0 56.3 84.5#

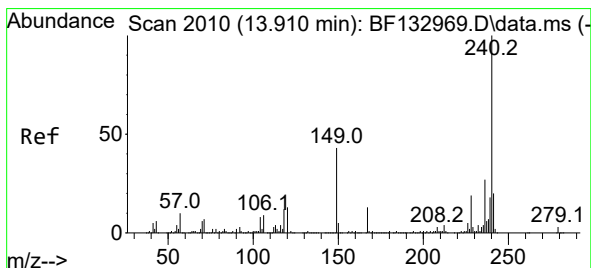
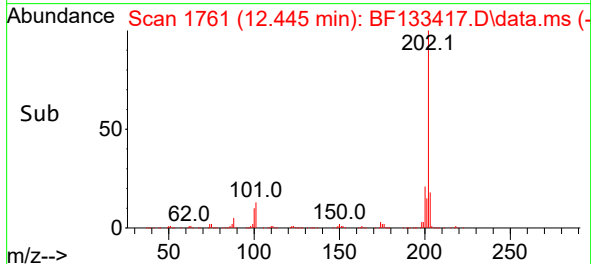
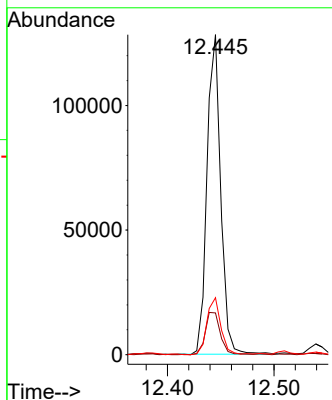
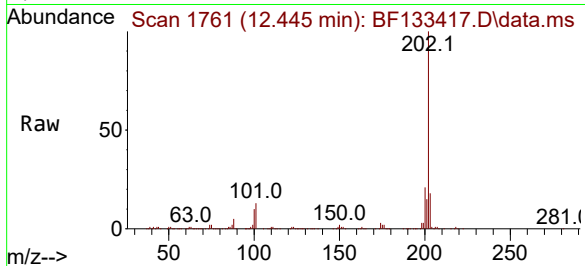




#75
Fluoranthene
Concen: 2.468 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

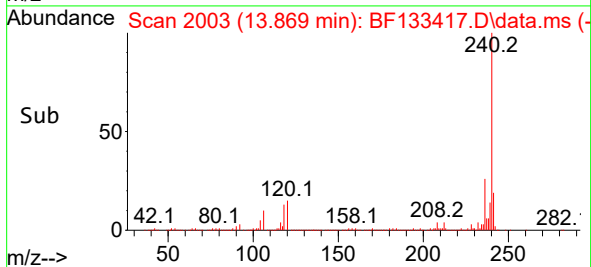
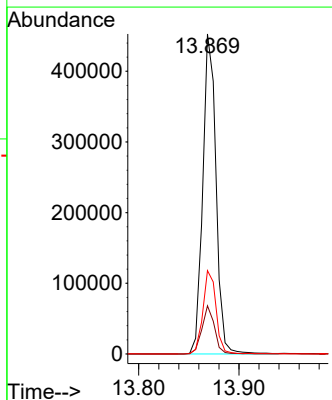
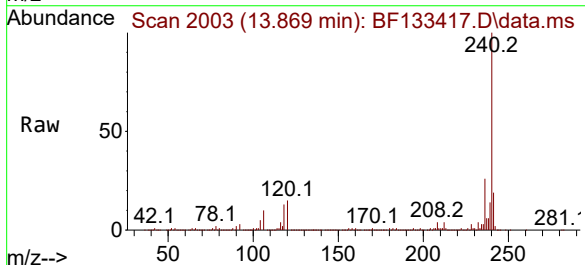
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

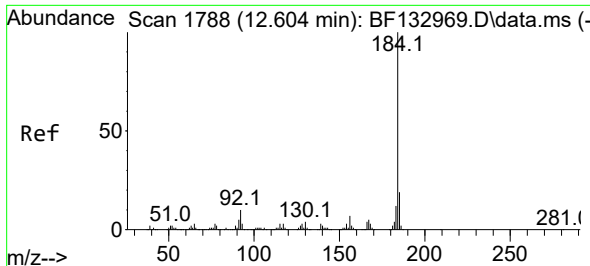
Tgt Ion:202 Resp: 114853
Ion Ratio Lower Upper
202 100
101 13.1 0.0 35.3
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.869 min Scan# 2003
Delta R.T. -0.018 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

Tgt Ion:240 Resp: 417845
Ion Ratio Lower Upper
240 100
120 15.1 10.5 15.7
236 26.1 21.5 32.3

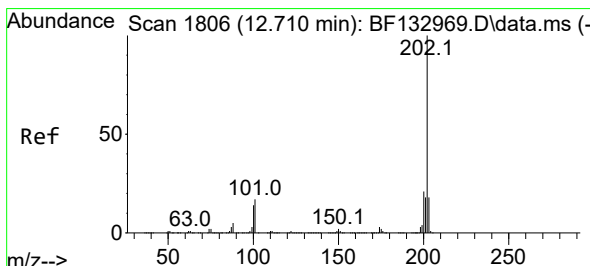
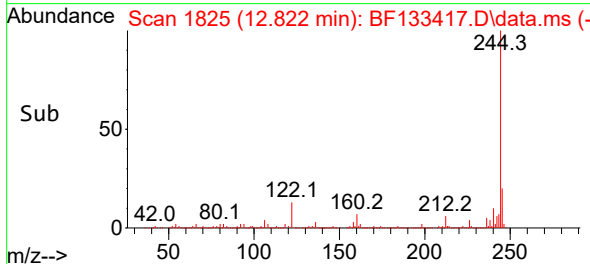
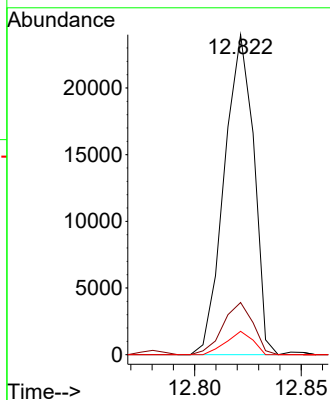
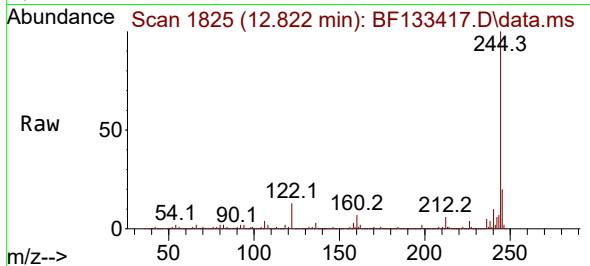




#77
Benzidine
Concen: 3.270 ng
RT: 12.822 min Scan# 1799
Delta R.T. 0.241 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

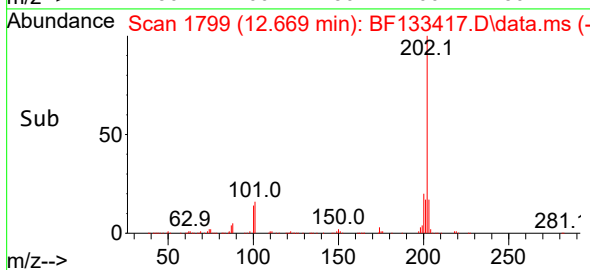
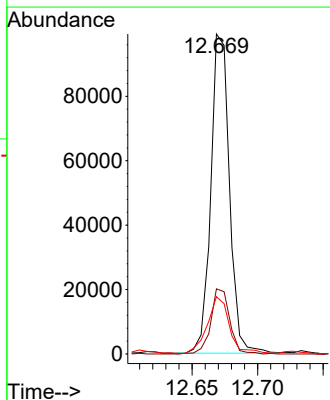
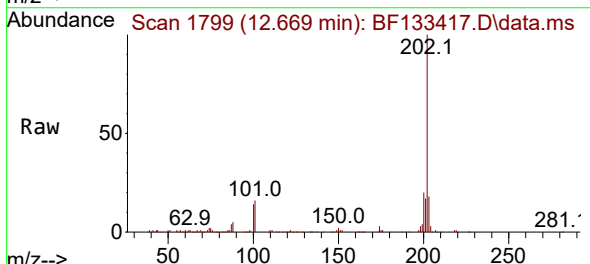
Instrument :
BNA_F
ClientSampleId :
WG-0516-B4-10-13

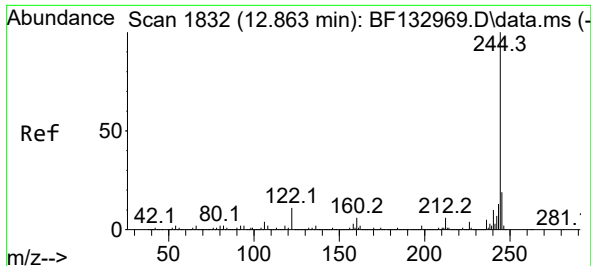
Tgt Ion:184 Resp: 23106
Ion Ratio Lower Upper
184 100
185 16.3 15.4 23.2
183 7.3 9.4 14.0#



#78
Pyrene
Concen: 2.736 ng
RT: 12.669 min Scan# 1799
Delta R.T. -0.018 min
Lab File: BF133417.D
Acq: 17 May 2023 17:14

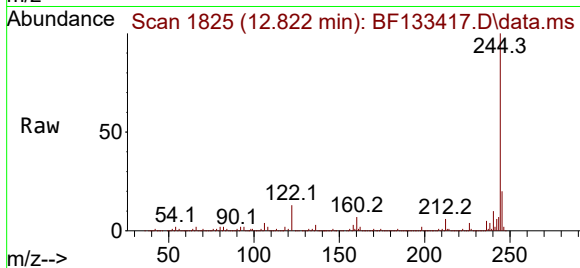
Tgt Ion:202 Resp: 98001
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.9 14.1 21.1



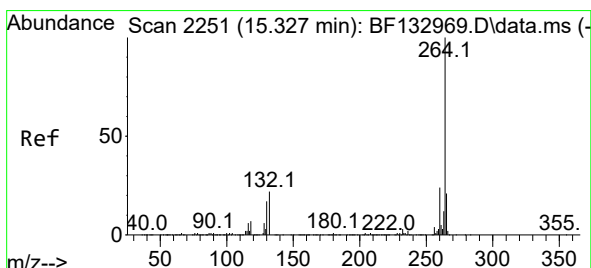
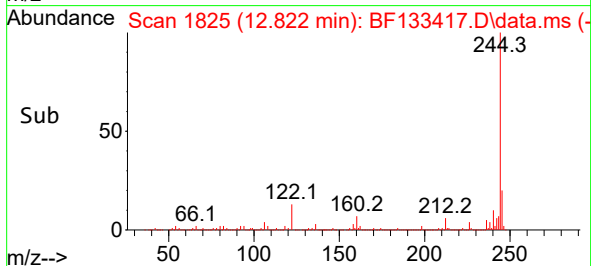
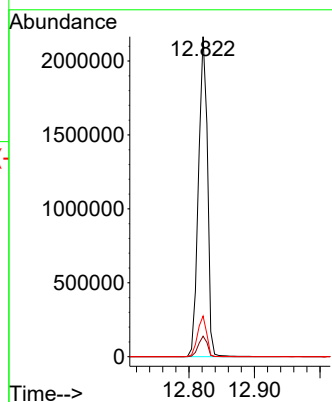


#79
 Terphenyl-d14
 Concen: 85.610 ng
 RT: 12.822 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF133417.D
 Acq: 17 May 2023 17:14

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B4-10-13



Tgt Ion:244 Resp: 2074124
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.7 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 2245
 Delta R.T. -0.012 min
 Lab File: BF133417.D
 Acq: 17 May 2023 17:14

Tgt Ion:264 Resp: 510941
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.8 28.2
 265 20.9 17.0 25.4

