

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133174.D
 Acq On : 02 May 2023 00:53
 Operator : CG\JU
 Sample : 02555-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-1-042823

Quant Time: May 02 05:25:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

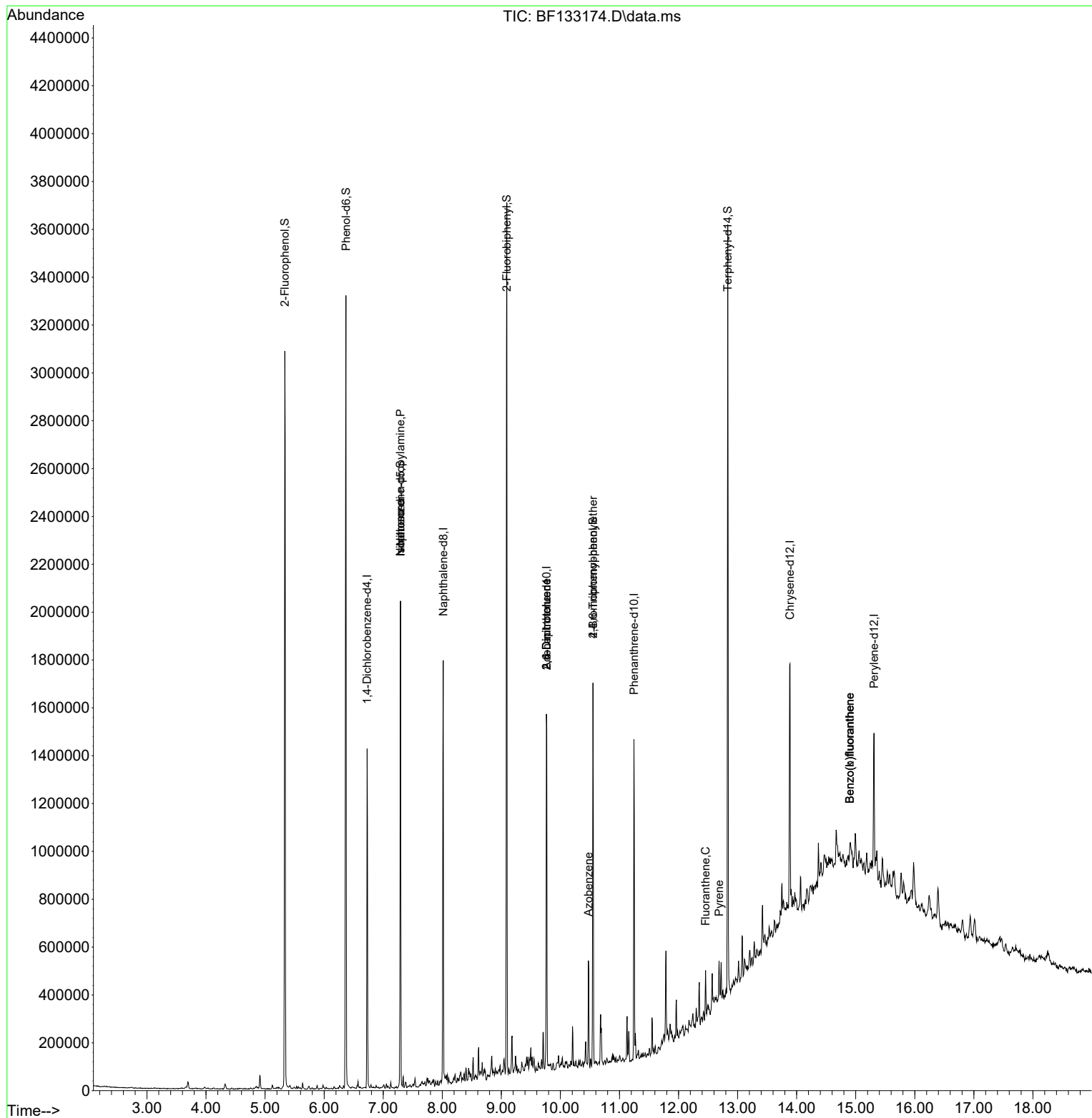
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	201225	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	683135	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	309780	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	472637	20.000	ng	0.00
76) Chrysene-d12	13.886	240	349978	20.000	ng	0.00
86) Perylene-d12	15.310	264	259066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	925690	69.492	ng	0.00
7) Phenol-d6	6.369	99	1093209	66.119	ng	0.00
23) Nitrobenzene-d5	7.292	82	550701	43.513	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	189683	60.885	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	1034721	55.881	ng	0.00
79) Terphenyl-d14	12.833	244	1020881	50.308	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.287	77	571	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.292	70	71865	6.982	ng	# 73
25) Isophorone	7.292	82	547519	22.785	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	40410	8.312	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	40410	6.518	ng	# 24
63) Azobenzene	10.475	77	69492	3.215	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	12655	2.469	ng	# 1
75) Fluoranthene	12.457	202	62578	2.455	ng	99
78) Pyrene	12.686	202	66992	2.233	ng	98
88) Benzo(b)fluoranthene	14.898	252	41709	2.531	ng	# 39
89) Benzo(k)fluoranthene	14.898	252	41709	2.553	ng	# 39

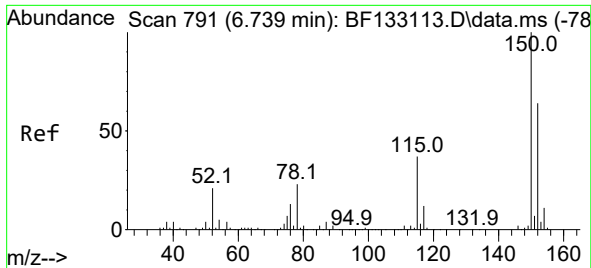
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
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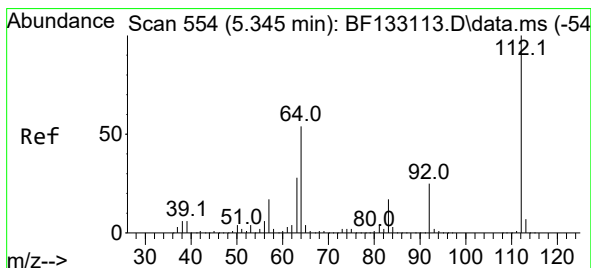
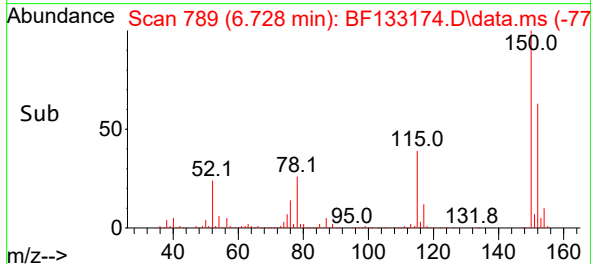
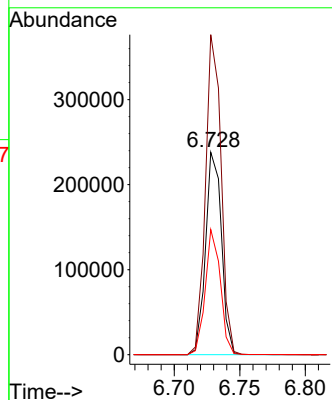
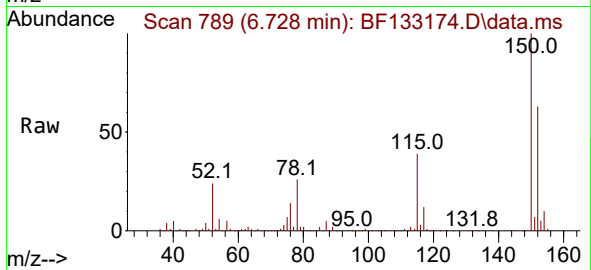




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

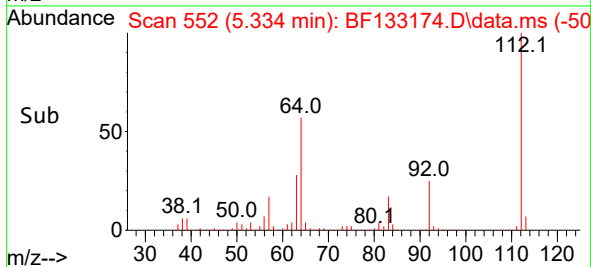
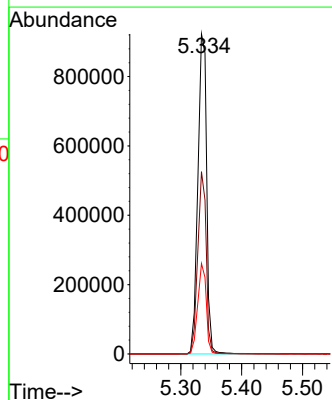
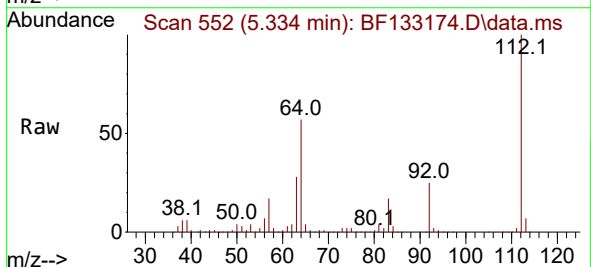
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

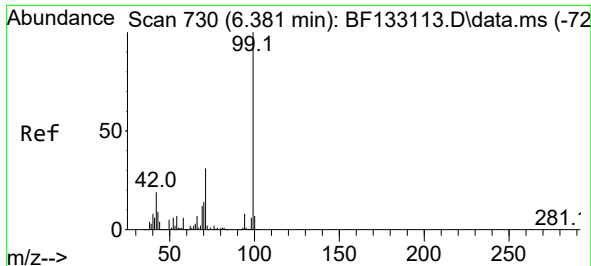
Tgt Ion:152 Resp: 201225
Ion Ratio Lower Upper
152 100
150 158.1 124.8 187.2
115 61.8 49.9 74.9



#5
2-Fluorophenol
Concen: 69.492 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion:112 Resp: 925690
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 28.3 23.8 35.8

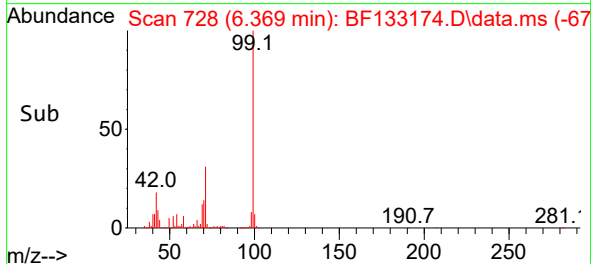
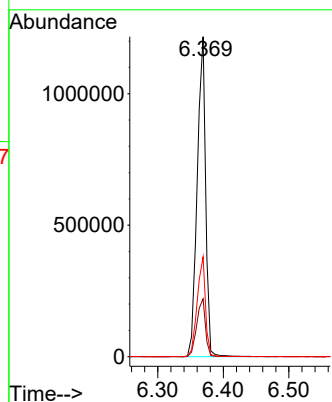
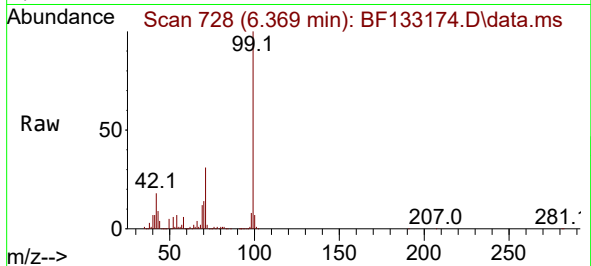




#7
Phenol-d6
Concen: 66.119 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

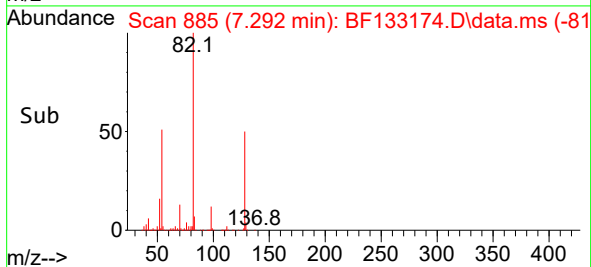
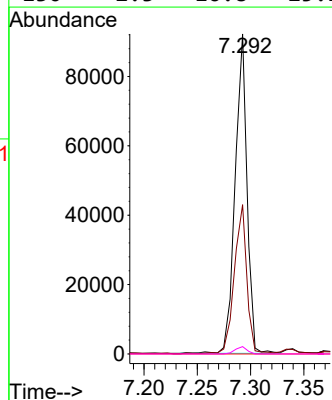
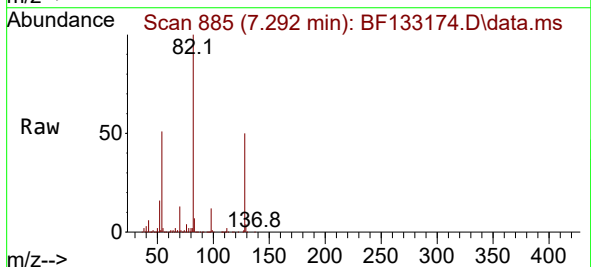
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

Tgt Ion: 99 Resp: 1093209
Ion Ratio Lower Upper
99 100
42 18.1 16.3 24.5
71 31.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.982 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.135 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion: 70 Resp: 71865
Ion Ratio Lower Upper
70 100
42 46.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#

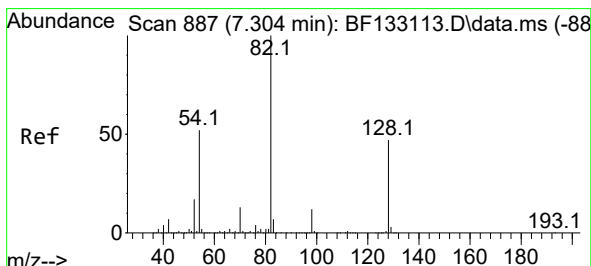
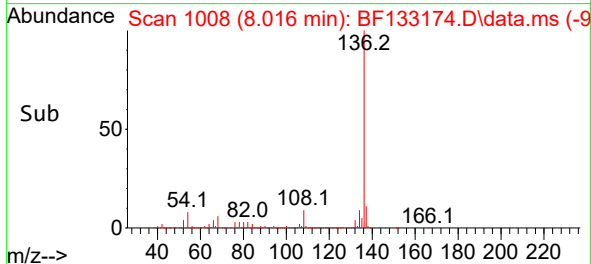
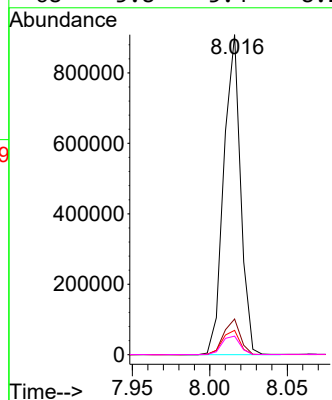
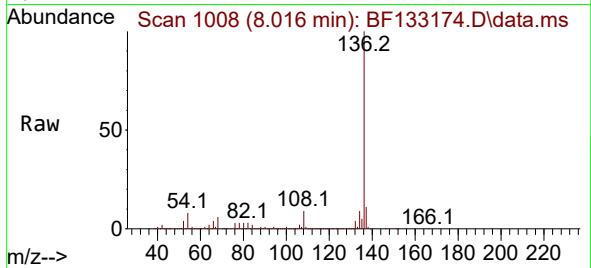




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

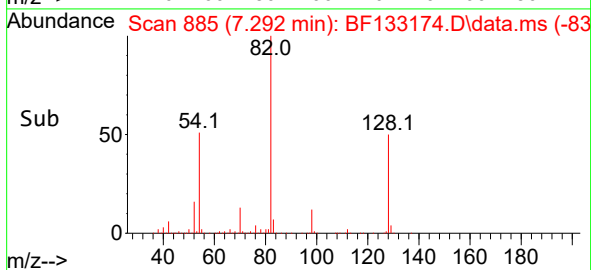
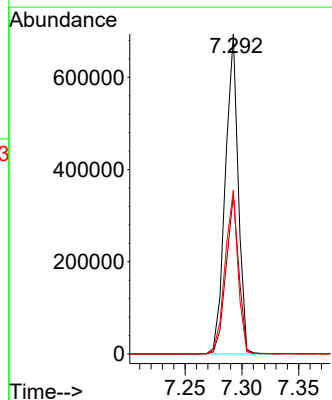
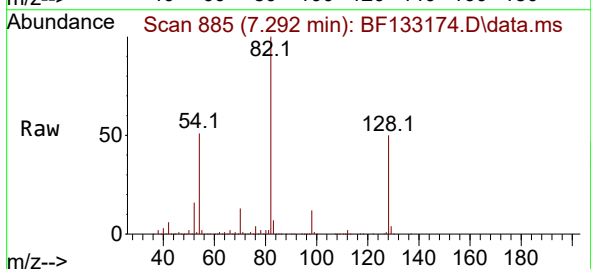
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

Tgt Ion:136 Resp: 683135
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 7.6 7.0 10.4
68 5.8 5.4 8.2



#23
Nitrobenzene-d5
Concen: 43.513 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion: 82 Resp: 550701
Ion Ratio Lower Upper
82 100
128 49.7 37.7 56.5
54 51.1 43.0 64.4

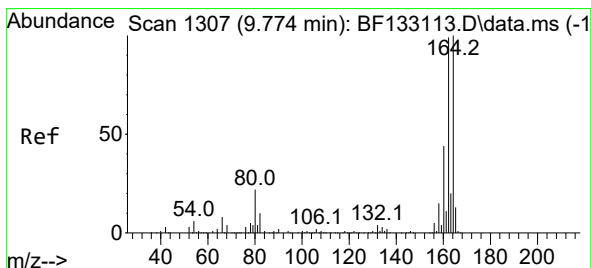
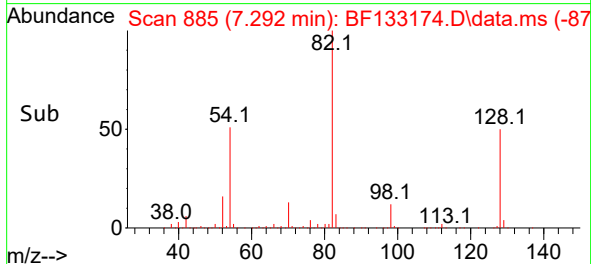
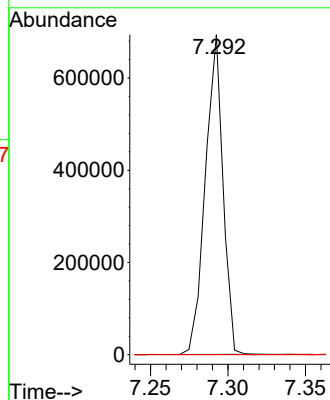
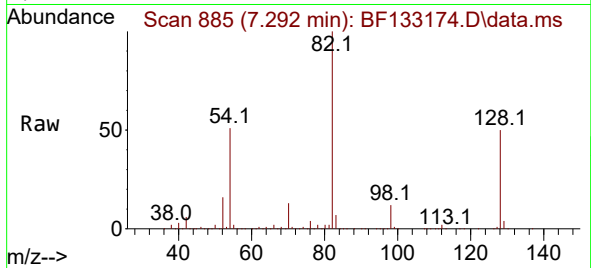




#25
Isophorone
Concen: 22.785 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.264 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

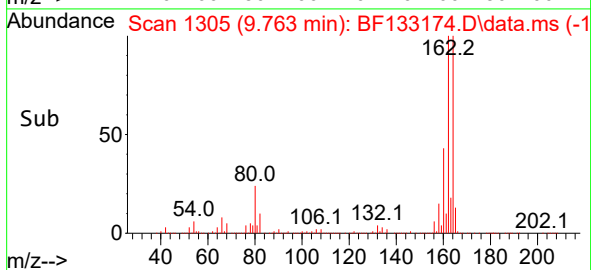
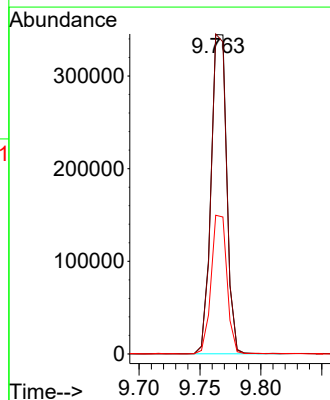
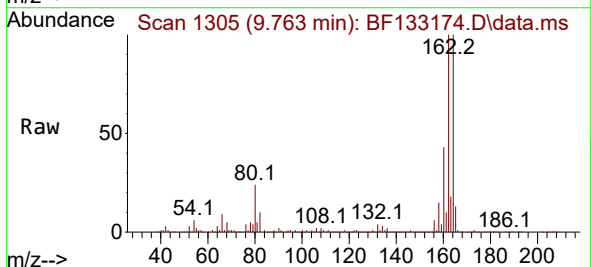
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

Tgt Ion: 82 Resp: 547519
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: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion: 164 Resp: 309780
Ion Ratio Lower Upper
164 100
162 100.2 78.7 118.1
160 43.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 60.885 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

Instrument :

BNA_F

ClientSampleId :

OE-1-042823

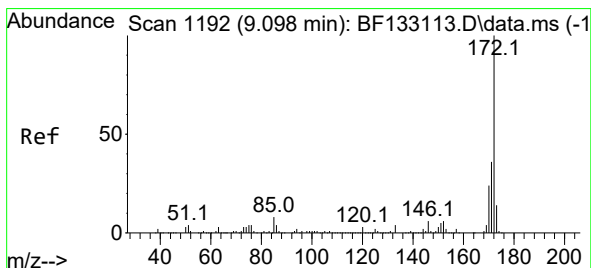
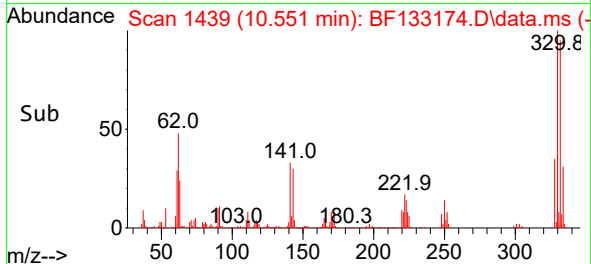
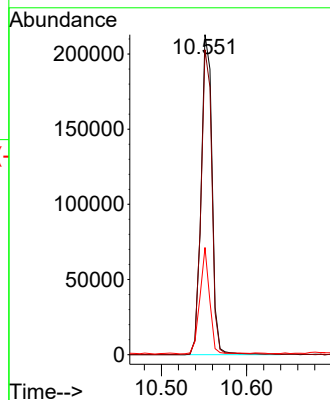
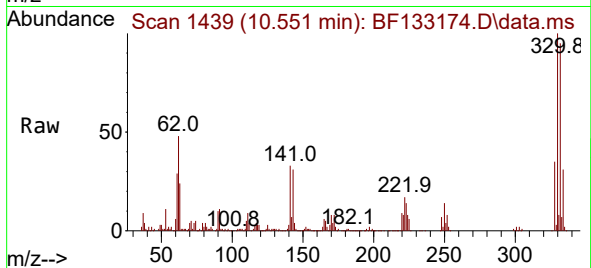
Tgt Ion:330 Resp: 189683

Ion Ratio Lower Upper

330 100

332 95.0 77.1 115.7

141 29.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.881 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

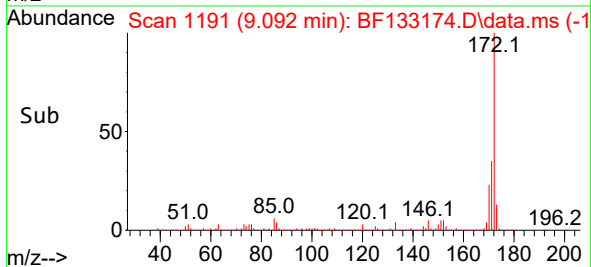
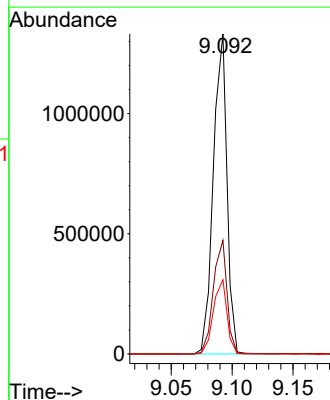
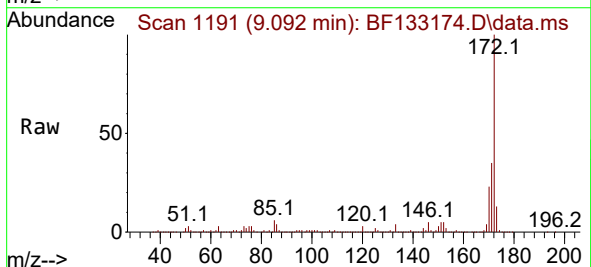
Tgt Ion:172 Resp: 1034721

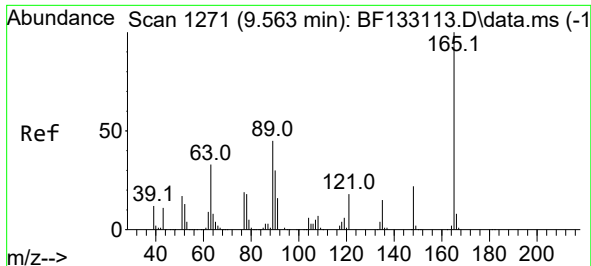
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.2 19.4 29.2

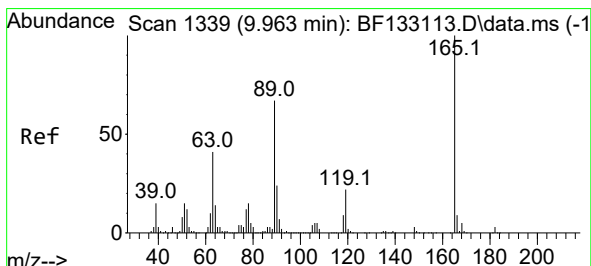
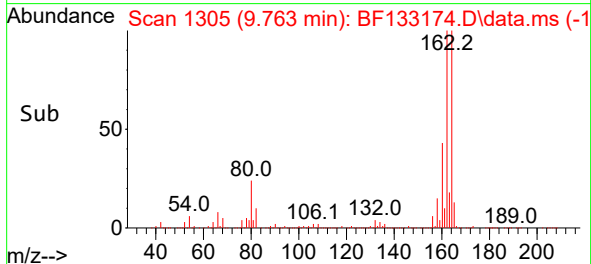
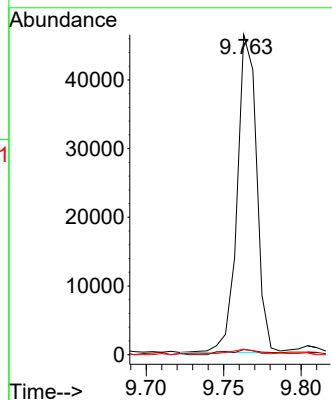
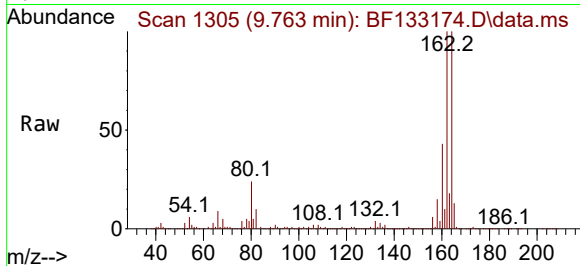




#51
2,6-Dinitrotoluene
Concen: 8.312 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

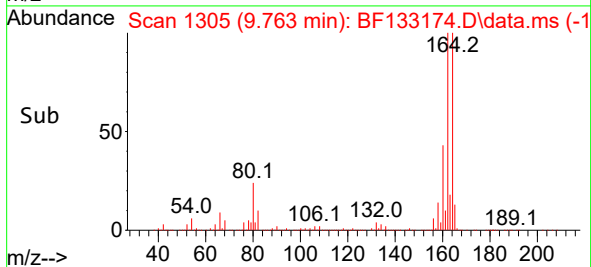
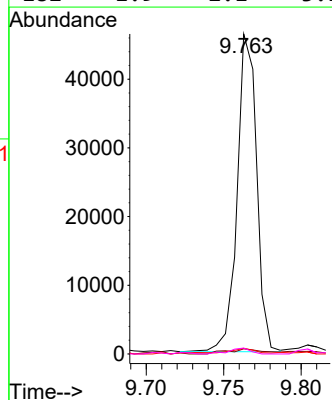
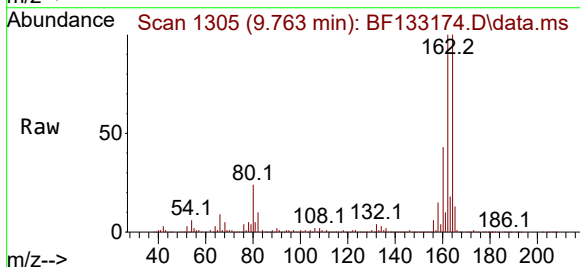
Instrument :
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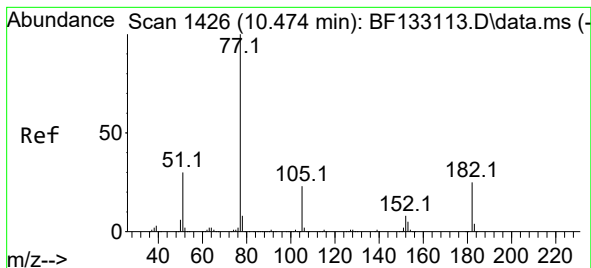
Tgt Ion:165 Resp: 40410
Ion Ratio Lower Upper
165 100
63 1.6 45.9 68.9#
89 1.8 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.518 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.200 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion:165 Resp: 40410
Ion Ratio Lower Upper
165 100
63 1.6 37.7 56.5#
89 1.8 57.0 85.4#
182 1.9 2.1 3.1#





#63

Azobenzene

Concen: 3.215 ng

RT: 10.475 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

Instrument :

BNA_F

ClientSampleId :

OE-1-042823

Tgt Ion: 77 Resp: 69492

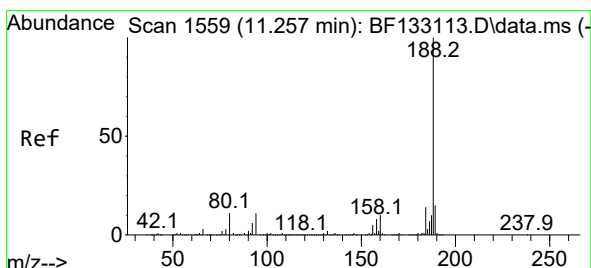
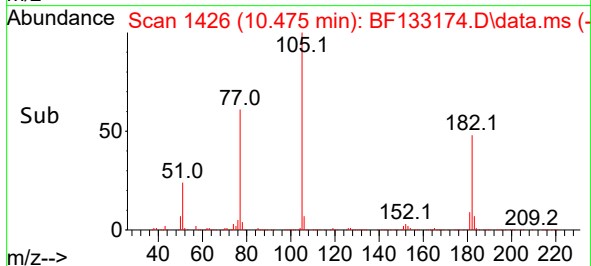
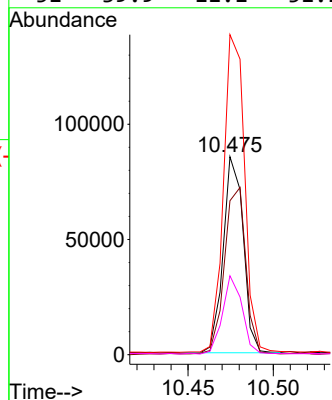
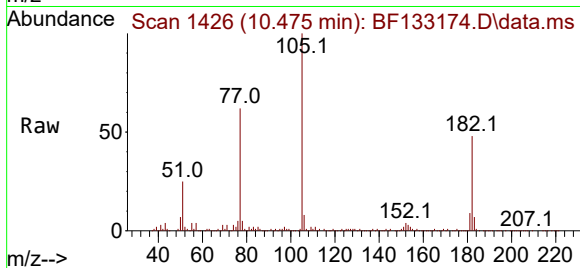
Ion Ratio Lower Upper

77 100

182 77.8 5.9 45.9#

105 161.7 2.3 42.3#

51 39.9 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

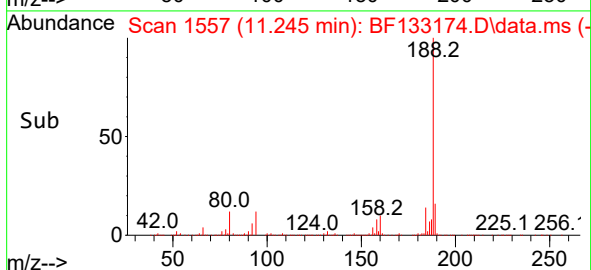
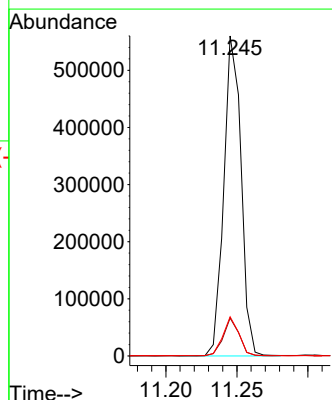
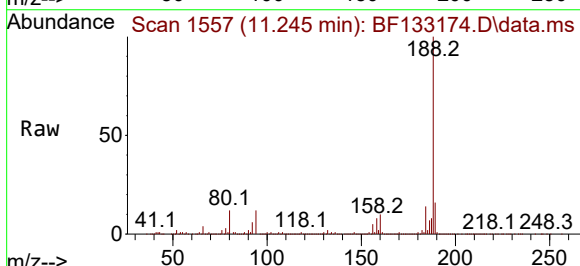
Tgt Ion: 188 Resp: 472637

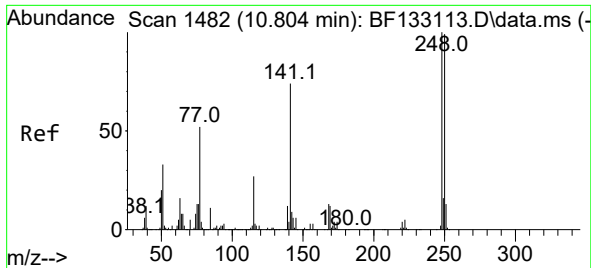
Ion Ratio Lower Upper

188 100

94 11.8 9.7 14.5

80 12.2 10.4 15.6

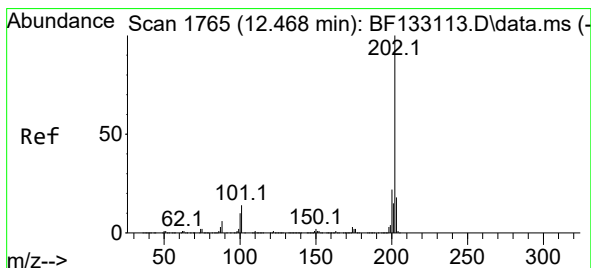
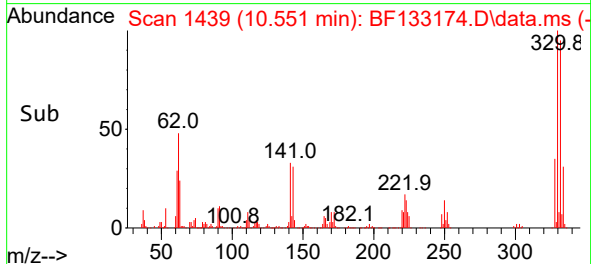
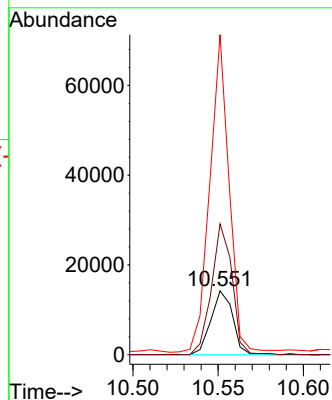
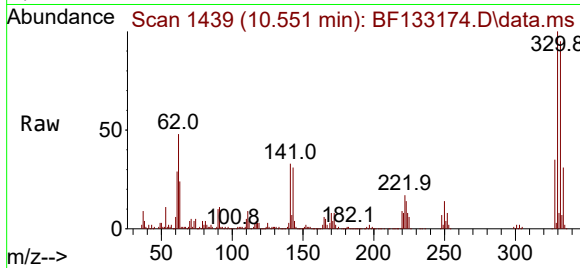




#67
4-Bromophenyl-phenylether
Concen: 2.469 ng
RT: 10.551 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

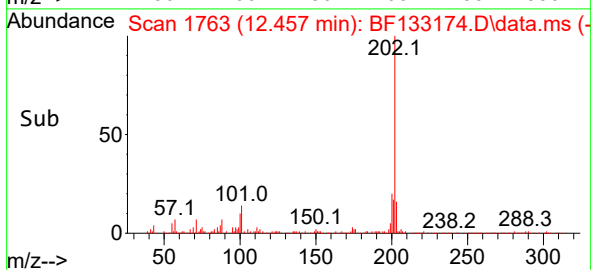
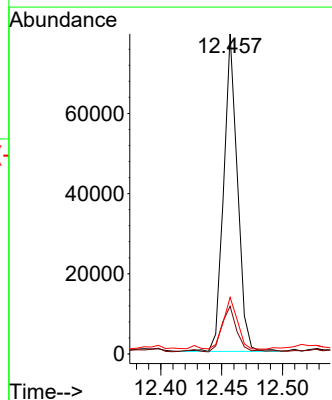
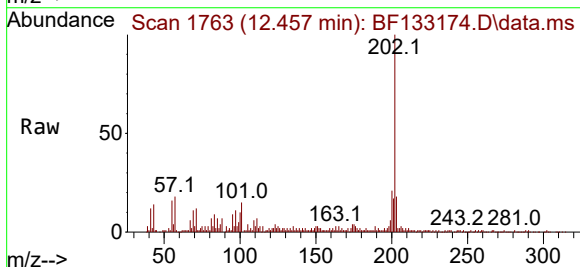
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

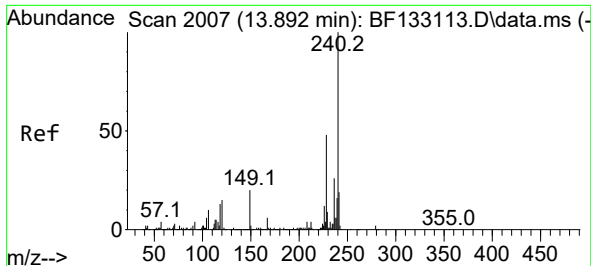
Tgt Ion:248 Resp: 12655
Ion Ratio Lower Upper
248 100
250 204.7 78.7 118.1#
141 501.2 56.3 84.5#



#75
Fluoranthene
Concen: 2.455 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion:202 Resp: 62578
Ion Ratio Lower Upper
202 100
101 14.9 0.0 35.3
203 17.7 0.0 38.1

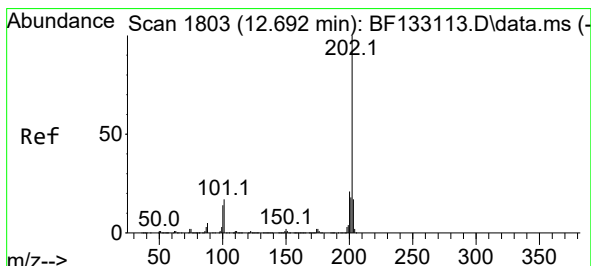
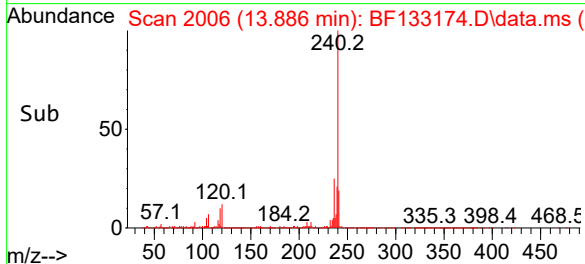
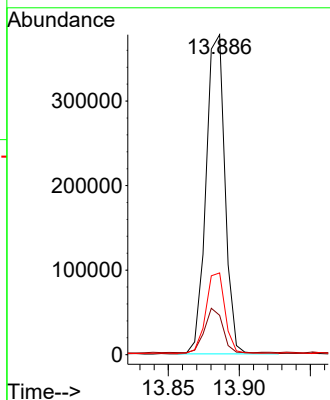
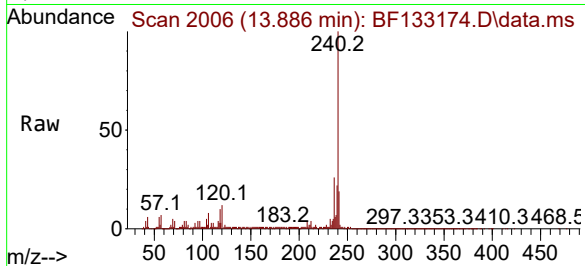




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

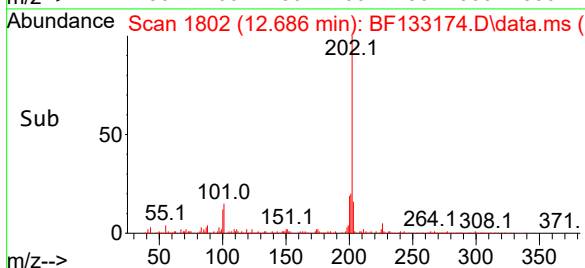
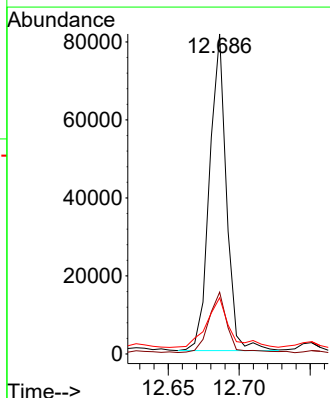
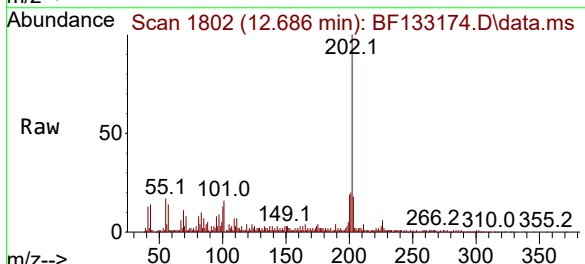
Instrument :
BNA_F
ClientSampleId :
OE-1-042823

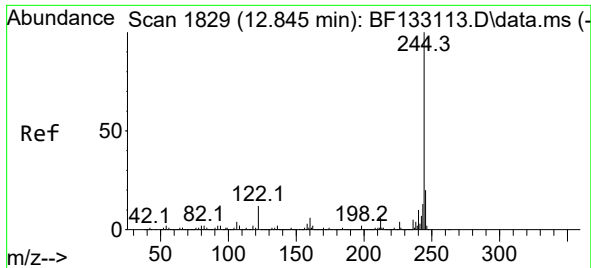
Tgt Ion:240 Resp: 349978
Ion Ratio Lower Upper
240 100
120 12.3 10.5 15.7
236 25.6 21.5 32.3



#78
Pyrene
Concen: 2.233 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133174.D
Acq: 02 May 2023 00:53

Tgt Ion:202 Resp: 66992
Ion Ratio Lower Upper
202 100
200 19.3 17.1 25.7
203 17.6 14.1 21.1

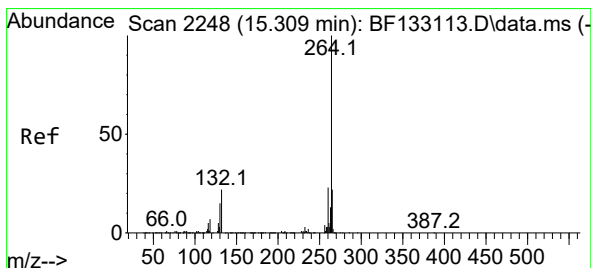
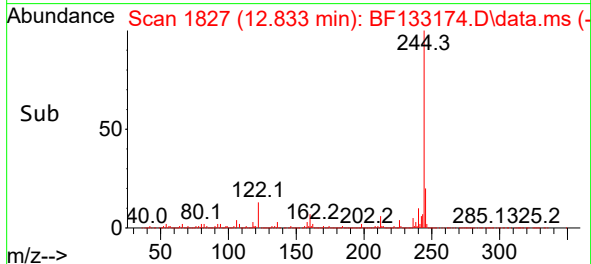
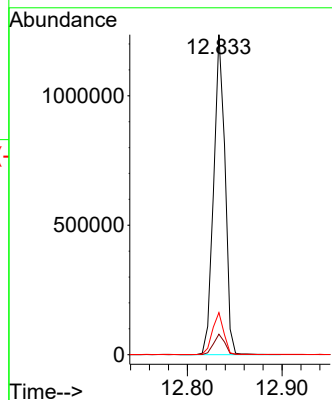
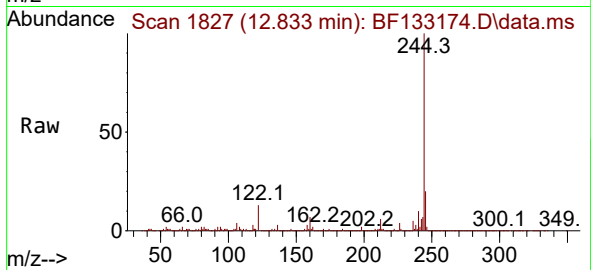




#79
 Terphenyl-d14
 Concen: 50.308 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133174.D
 Acq: 02 May 2023 00:53

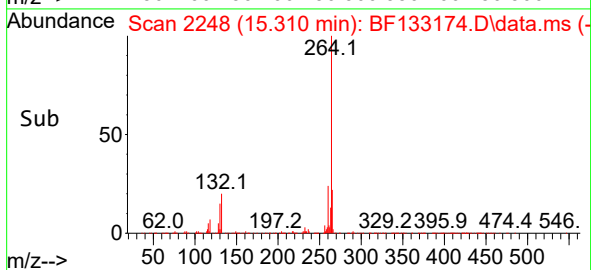
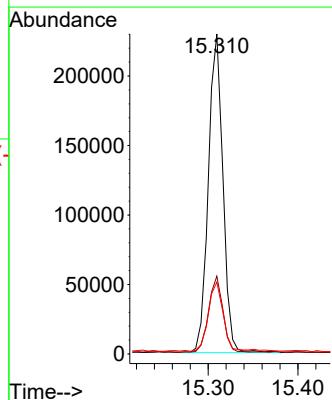
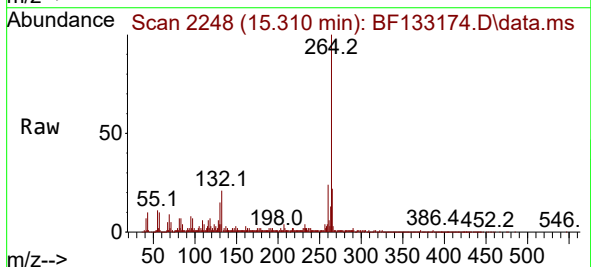
Instrument :
 BNA_F
 ClientSampleId :
 OE-1-042823

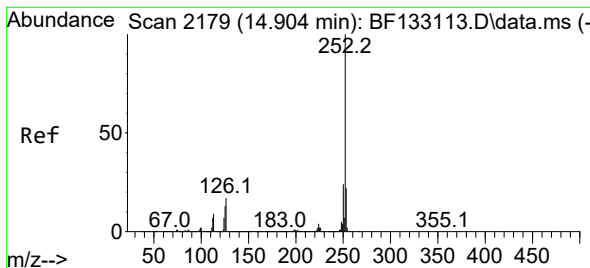
Tgt Ion:244 Resp: 1020881
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 13.2 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.310 min Scan# 2248
 Delta R.T. 0.006 min
 Lab File: BF133174.D
 Acq: 02 May 2023 00:53

Tgt Ion:264 Resp: 259066
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.8 28.2
 265 22.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.531 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

Instrument :

BNA_F

ClientSampleId :

OE-1-042823

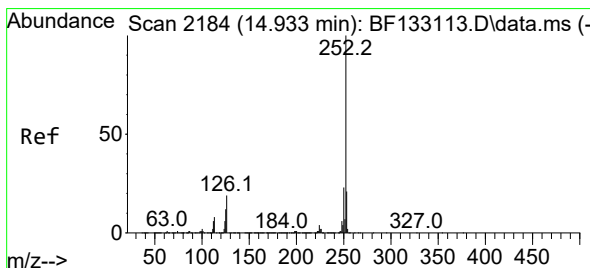
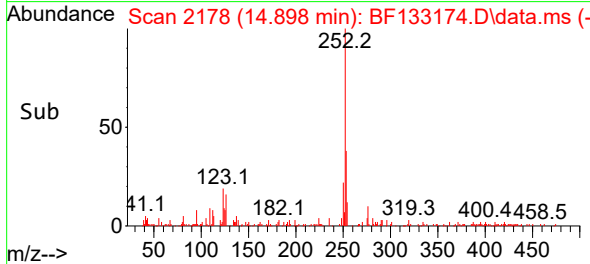
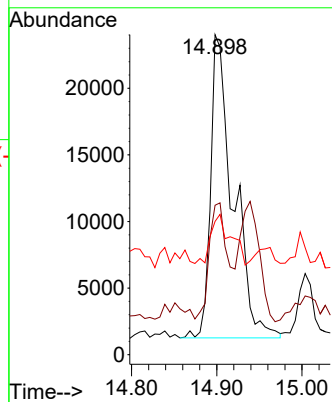
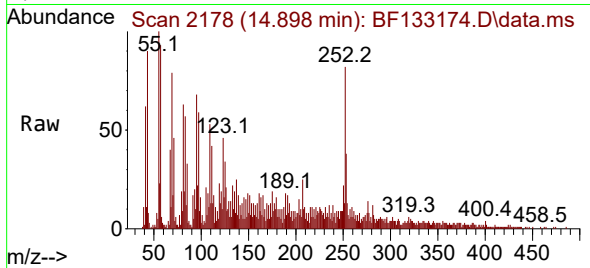
Tgt Ion:252 Resp: 41709

Ion Ratio Lower Upper

252 100

253 46.7 17.6 26.4#

125 41.6 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 2.553 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.035 min

Lab File: BF133174.D

Acq: 02 May 2023 00:53

Tgt Ion:252 Resp: 41709

Ion Ratio Lower Upper

252 100

253 46.7 17.7 26.5#

125 41.6 9.0 13.4#

