

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133429.D
 Acq On : 17 May 2023 23:27
 Operator : CG\JU
 Sample : 02810-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-051623

Quant Time: May 18 04:07:27 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)

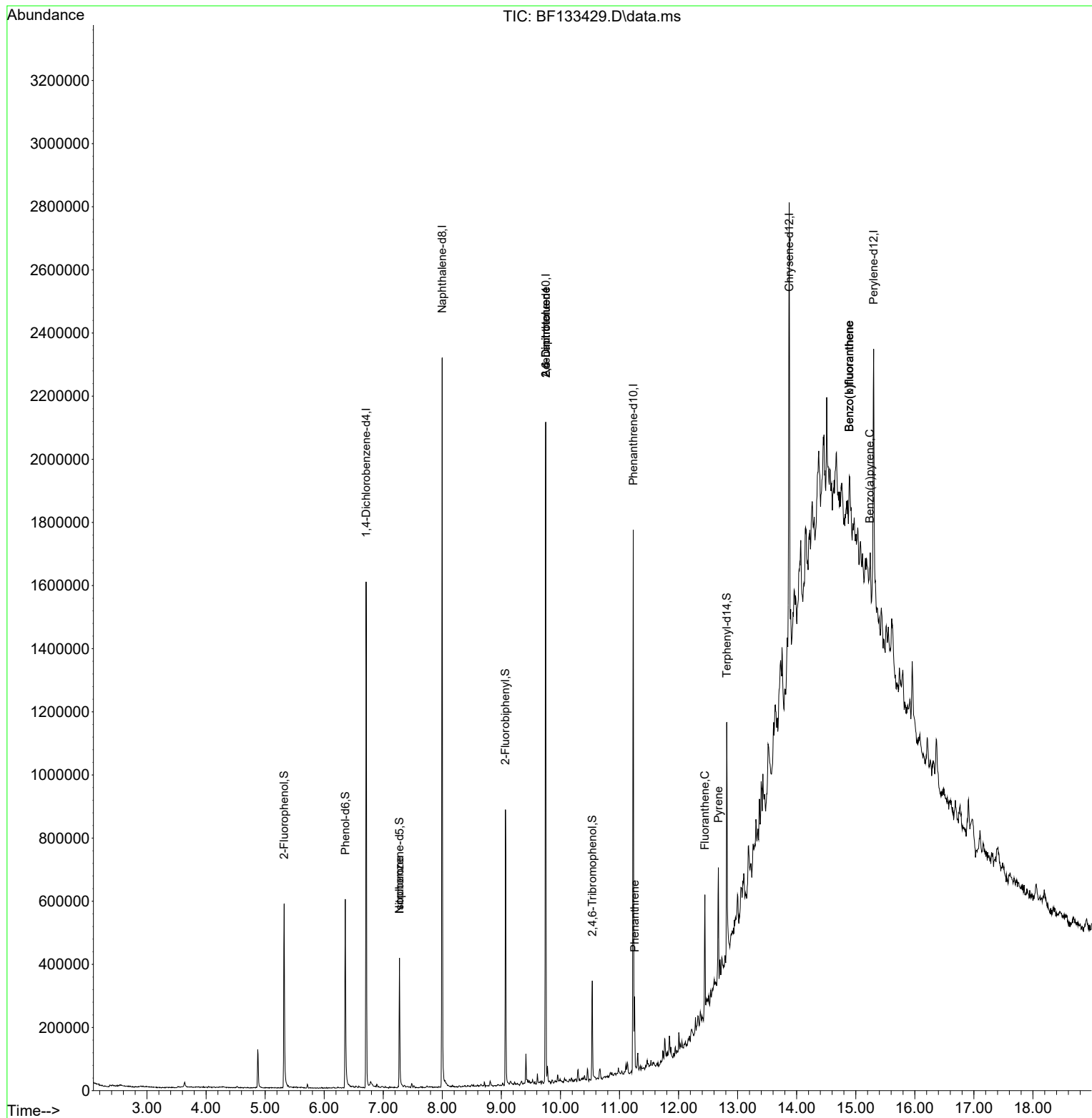
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	238691	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	916703	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	409161	20.000	ng	-0.01
64) Phenanthrene-d10	11.233	188	590745	20.000	ng	-0.01
76) Chrysene-d12	13.874	240	460261	20.000	ng	-0.01
86) Perylene-d12	15.304	264	369457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.322	112	184716	11.690	ng	-0.01
7) Phenol-d6	6.357	99	223640	11.403	ng	-0.01
23) Nitrobenzene-d5	7.275	82	125716	7.402	ng	-0.02
42) 2,4,6-Tribromophenol	10.539	330	37494	9.112	ng	-0.01
45) 2-Fluorobiphenyl	9.069	172	265949	10.874	ng	-0.02
79) Terphenyl-d14	12.816	244	231884	8.689	ng	-0.02
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	371	Below Cal	#	67
25) Isophorone	7.275	82	125716	3.899	ng	# 62
51) 2,6-Dinitrotoluene	9.751	165	50446	7.856	ng	# 25
57) 2,4-Dinitrotoluene	9.751	165	50446	6.160	ng	# 23
71) Phenanthrene	11.257	178	80197	2.526	ng	95
75) Fluoranthene	12.445	202	137992	4.330	ng	96
78) Pyrene	12.674	202	135158	3.426	ng	99
88) Benzo(b)fluoranthene	14.892	252	84224	3.583	ng	# 42
89) Benzo(k)fluoranthene	14.892	252	84224	3.615	ng	# 42
90) Benzo(a)pyrene	15.239	252	42918	2.006	ng	# 50

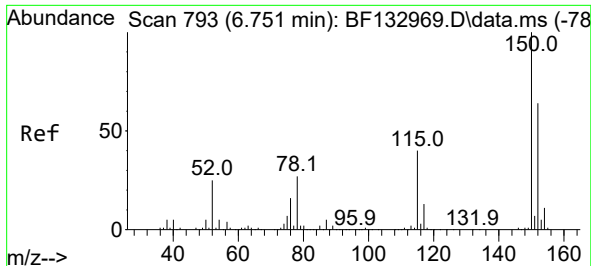
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
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Quant Time: May 18 04:07:27 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

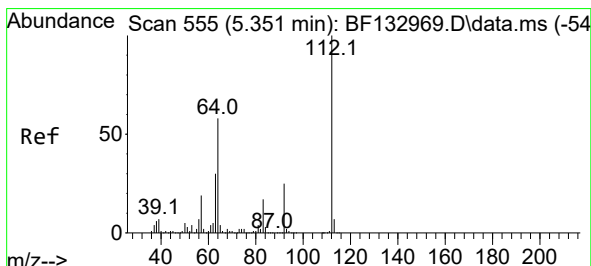
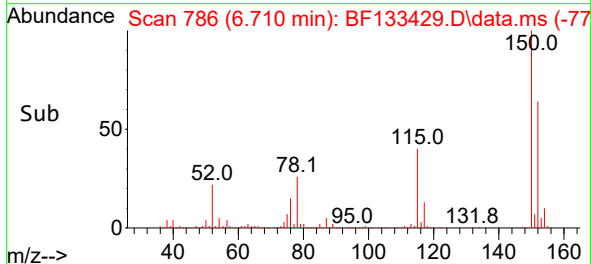
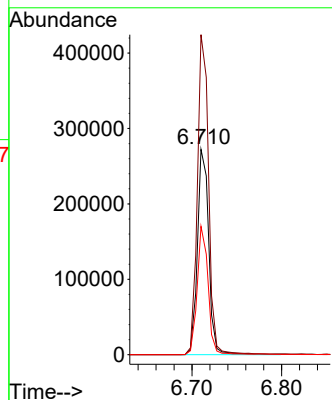
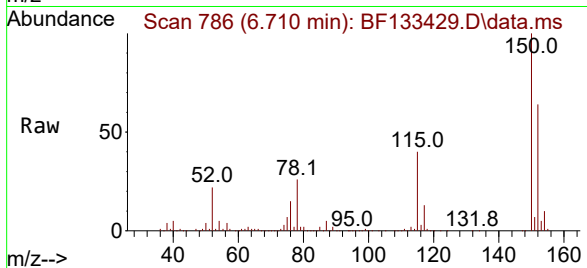




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.710 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

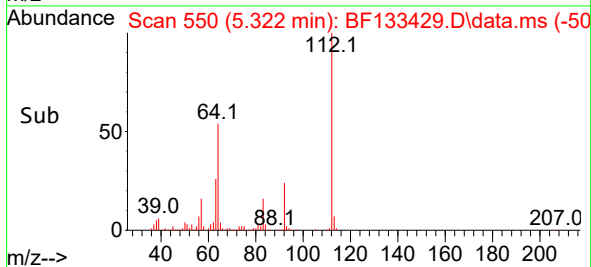
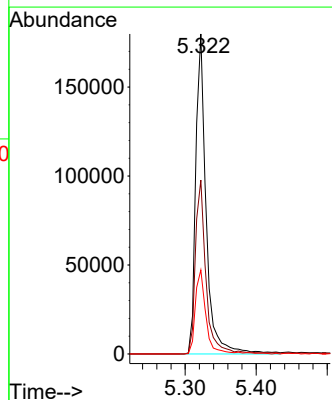
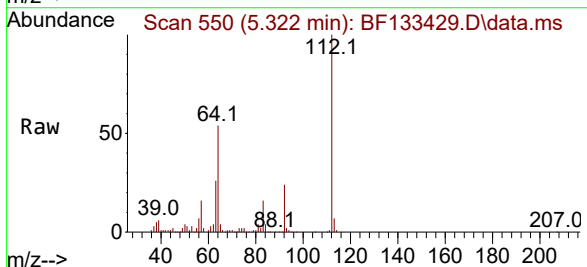
Instrument :
BNA_F
ClientSampleId :
OR-02-051623

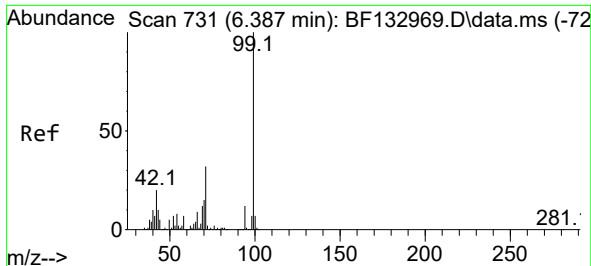
Tgt Ion:152 Resp: 238691
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 62.5 49.9 74.9



#5
2-Fluorophenol
Concen: 11.690 ng
RT: 5.322 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:112 Resp: 184716
Ion Ratio Lower Upper
112 100
64 54.4 46.8 70.2
63 26.2 23.8 35.8

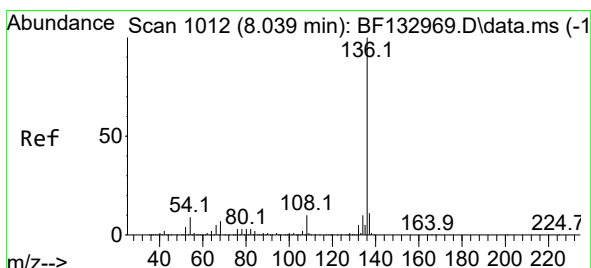
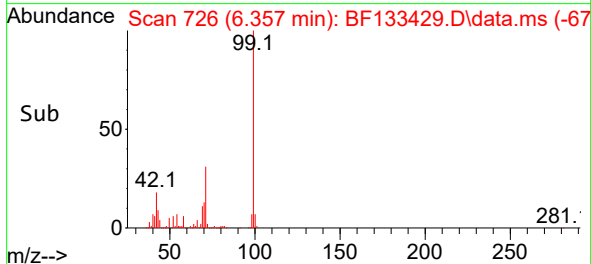
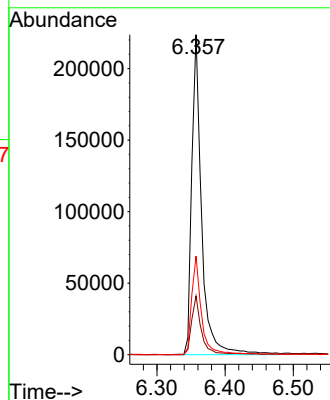
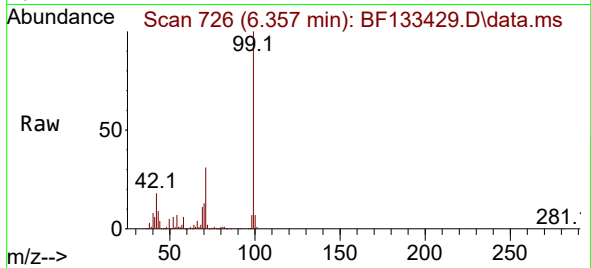




#7
Phenol-d6
Concen: 11.403 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

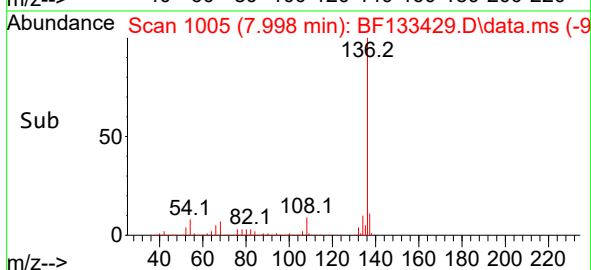
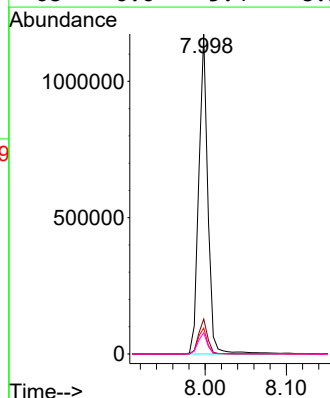
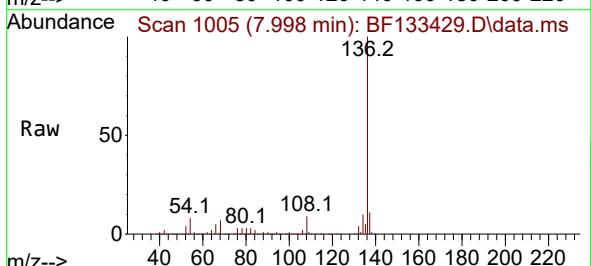
Instrument :
BNA_F
ClientSampleId :
OR-02-051623

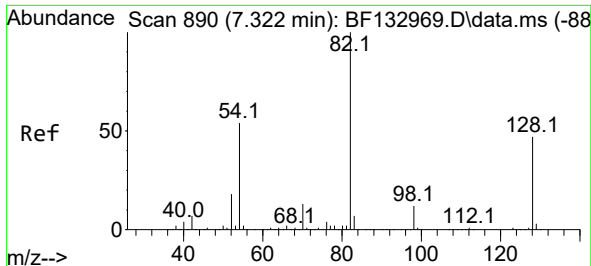
Tgt Ion: 99 Resp: 223640
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 30.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion: 136 Resp: 916703
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 7.402 ng

RT: 7.275 min Scan# 882

Delta R.T. -0.018 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623

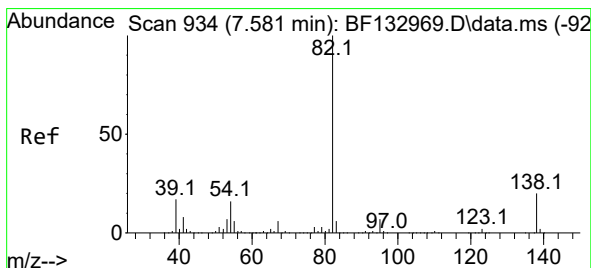
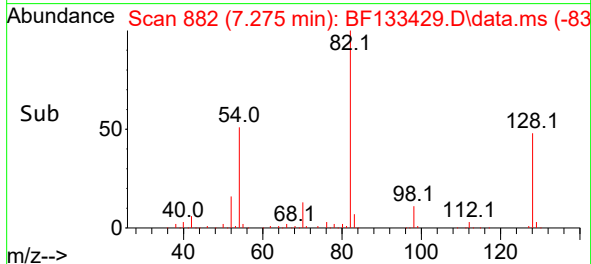
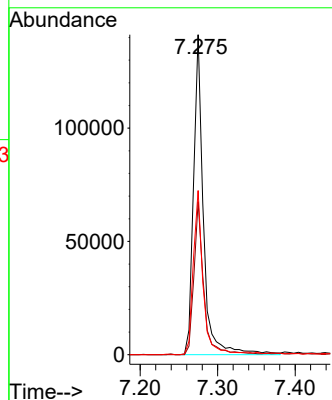
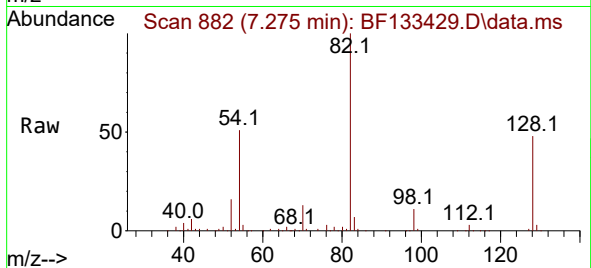
Tgt Ion: 82 Resp: 125716

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 51.3 43.0 64.4



#25

Isophorone

Concen: 3.899 ng

RT: 7.275 min Scan# 882

Delta R.T. -0.277 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

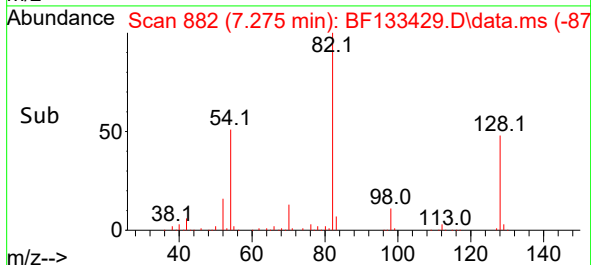
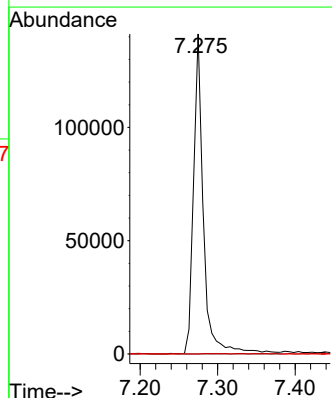
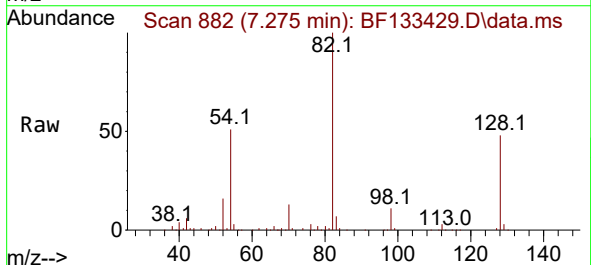
Tgt Ion: 82 Resp: 125716

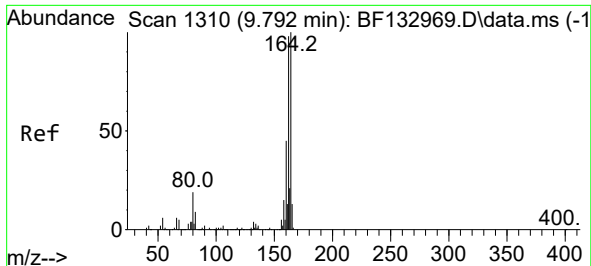
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#

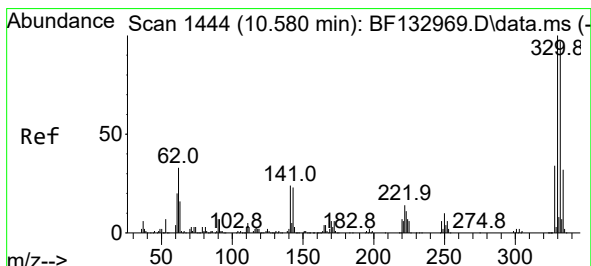
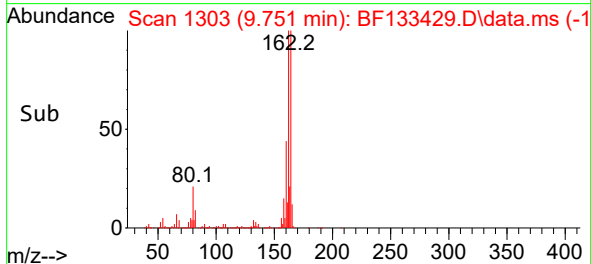
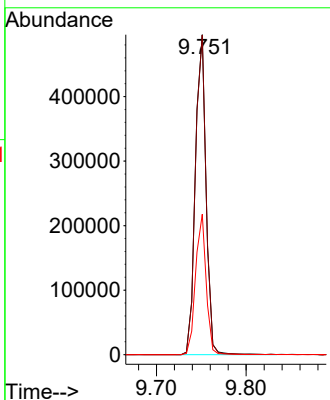
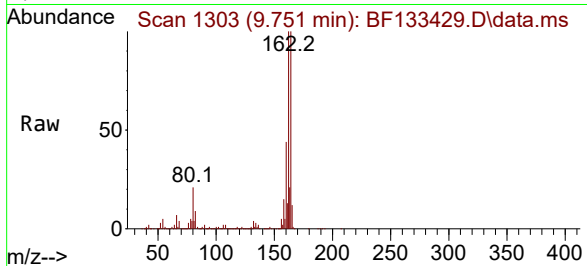




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

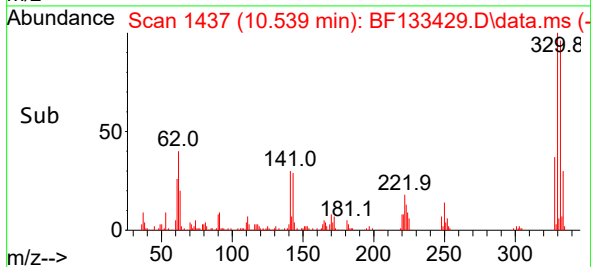
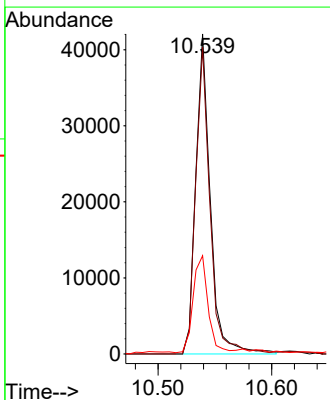
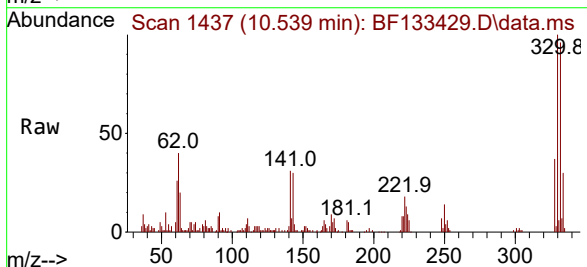
Instrument :
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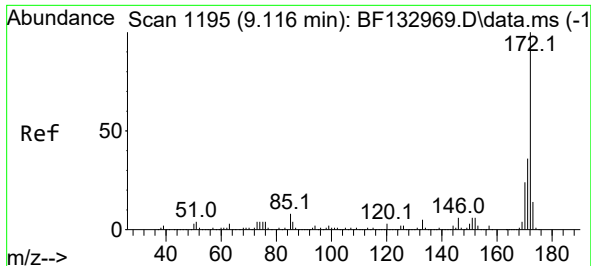
Tgt Ion:164 Resp: 409161
Ion Ratio Lower Upper
164 100
162 99.9 78.7 118.1
160 43.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 9.112 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:330 Resp: 37494
Ion Ratio Lower Upper
330 100
332 94.5 77.1 115.7
141 31.3 25.8 38.8

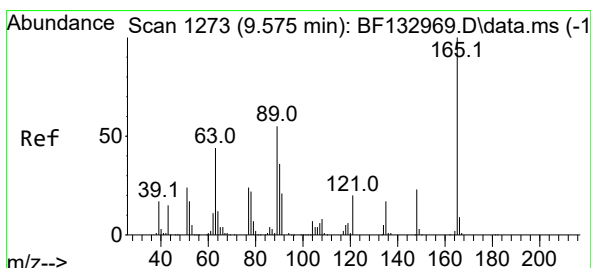
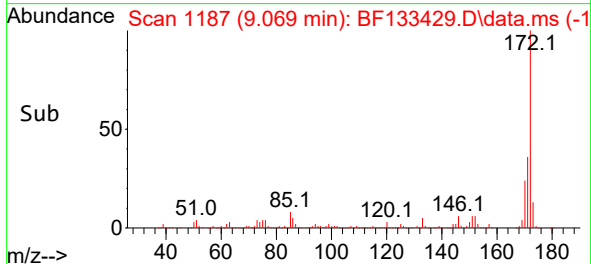
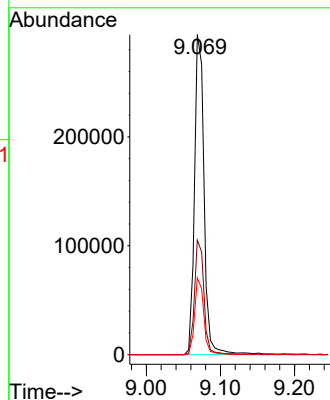
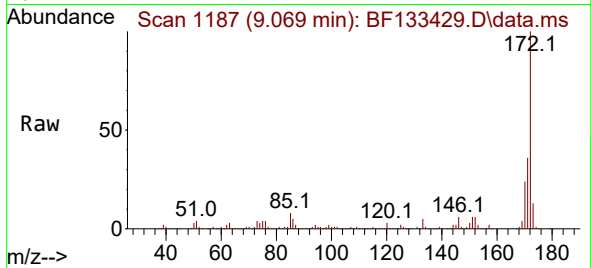




#45
2-Fluorobiphenyl
Concen: 10.874 ng
RT: 9.069 min Scan# 1195
Delta R.T. -0.018 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

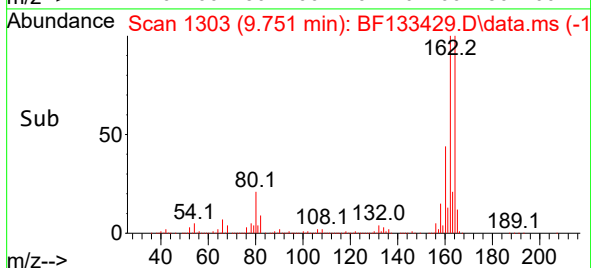
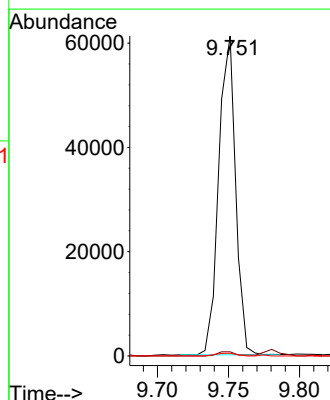
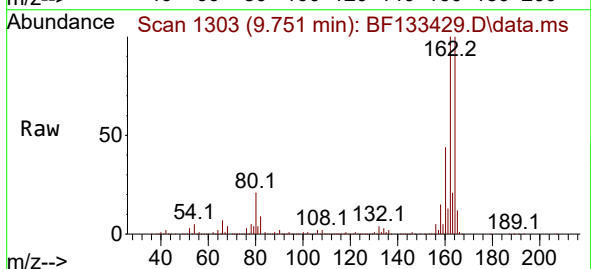
Instrument :
BNA_F
ClientSampleId :
OR-02-051623

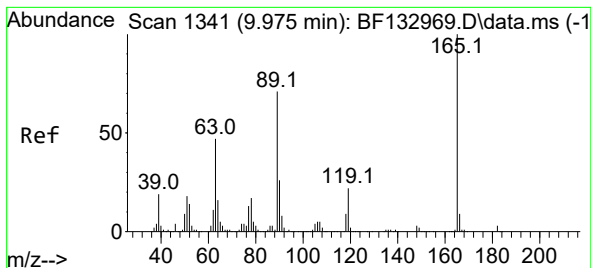
Tgt Ion:172 Resp: 265949
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 24.0 19.4 29.2



#51
2,6-Dinitrotoluene
Concen: 7.856 ng
RT: 9.751 min Scan# 1303
Delta R.T. 0.200 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:165 Resp: 50446
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 0.9 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.160 ng

RT: 9.751 min Scan# 1

Delta R.T. -0.206 min

Lab File: BF133429.D

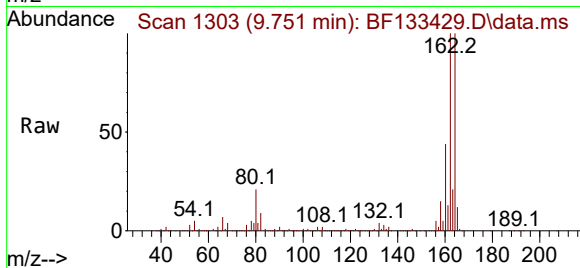
Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623



Tgt Ion:165 Resp: 50446

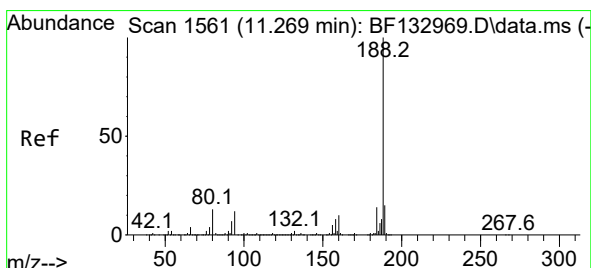
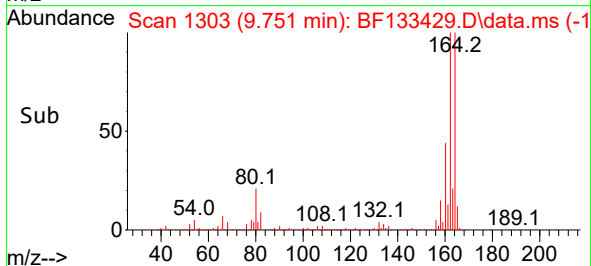
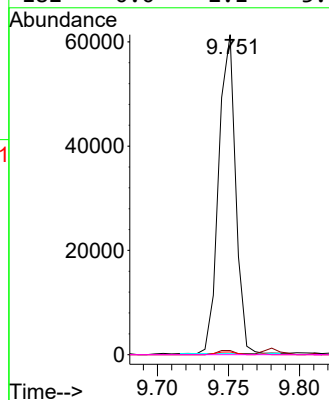
Ion Ratio Lower Upper

165 100

63 1.3 37.7 56.5#

89 0.9 57.0 85.4#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1555

Delta R.T. -0.012 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

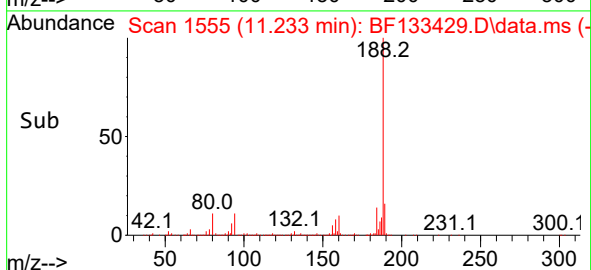
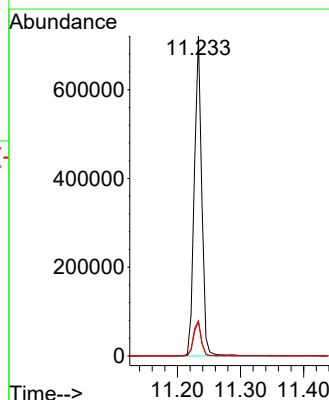
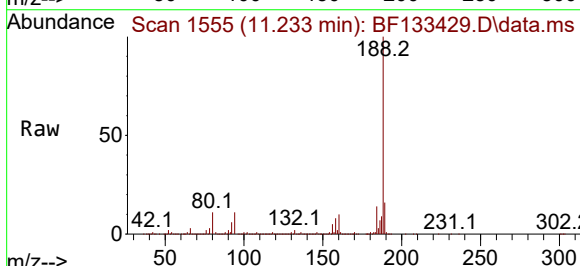
Tgt Ion:188 Resp: 590745

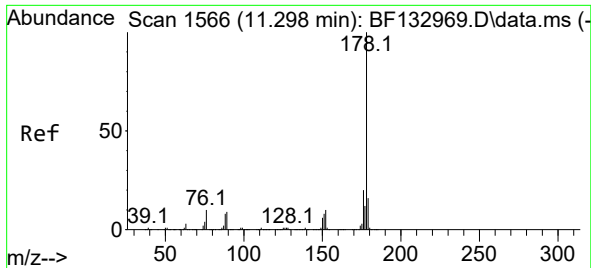
Ion Ratio Lower Upper

188 100

94 10.8 9.7 14.5

80 11.0 10.4 15.6

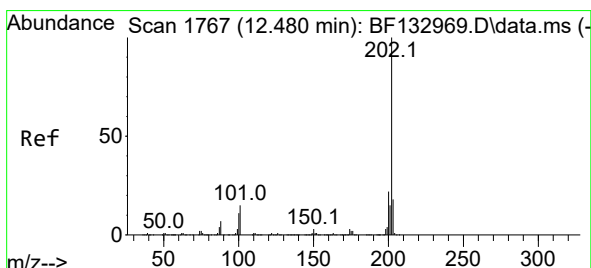
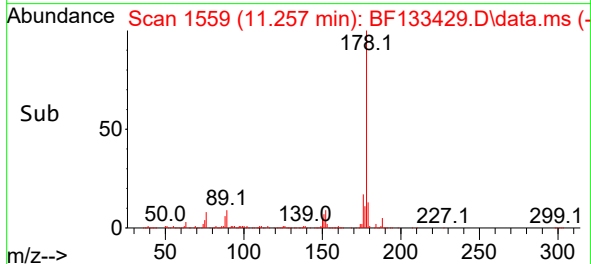
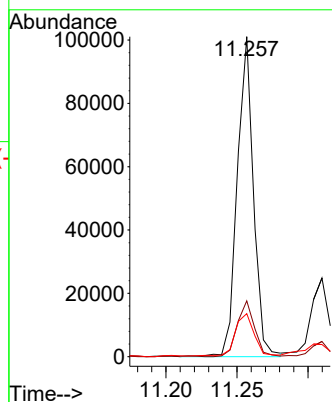
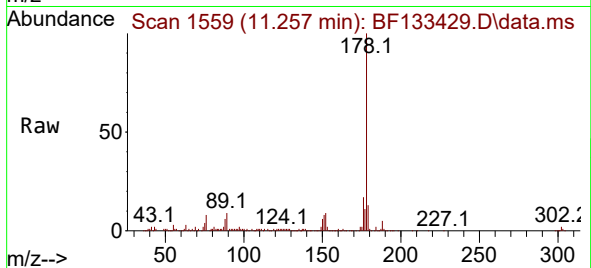




#71
Phenanthrene
Concen: 2.526 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

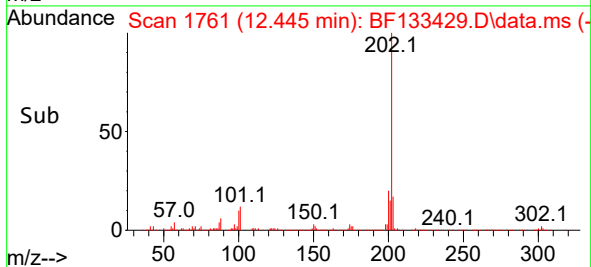
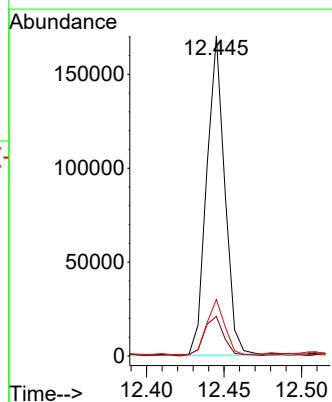
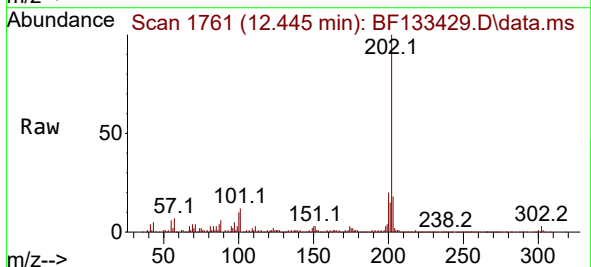
Instrument :
BNA_F
ClientSampleId :
OR-02-051623

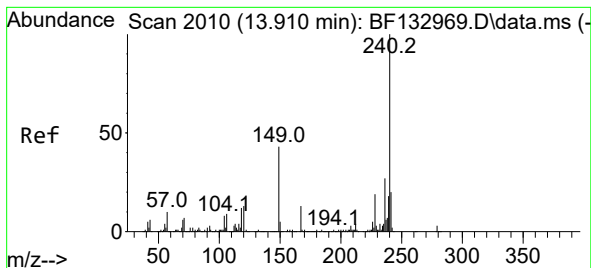
Tgt Ion:178 Resp: 80197
Ion Ratio Lower Upper
178 100
176 17.4 15.9 23.9
179 13.5 12.5 18.7



#75
Fluoranthene
Concen: 4.330 ng
RT: 12.445 min Scan# 1761
Delta R.T. -0.012 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Tgt Ion:202 Resp: 137992
Ion Ratio Lower Upper
202 100
101 12.4 0.0 35.3
203 17.7 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: BF133429.D

Acq: 17 May 2023 23:27

Instrument :

BNA_F

ClientSampleId :

OR-02-051623

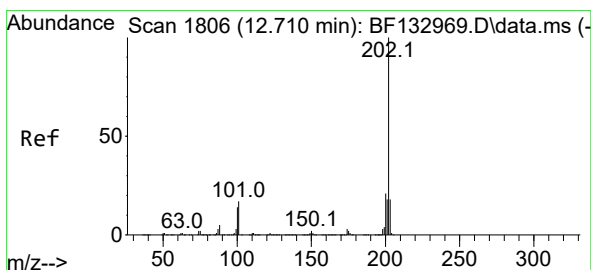
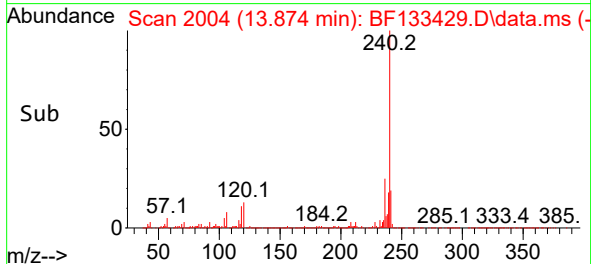
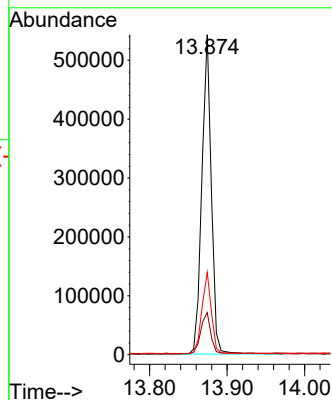
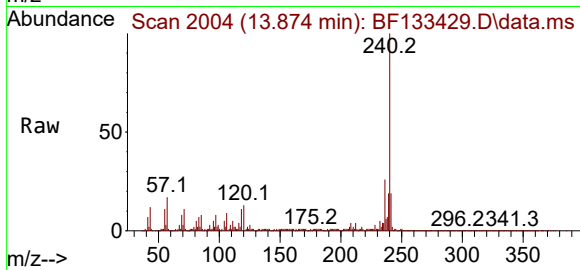
Tgt Ion:240 Resp: 460261

Ion Ratio Lower Upper

240 100

120 13.1 10.5 15.7

236 25.7 21.5 32.3



#78

Pyrene

Concen: 3.426 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133429.D

Acq: 17 May 2023 23:27

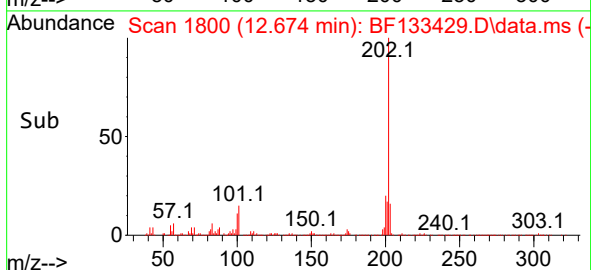
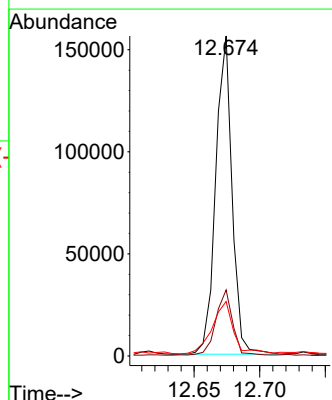
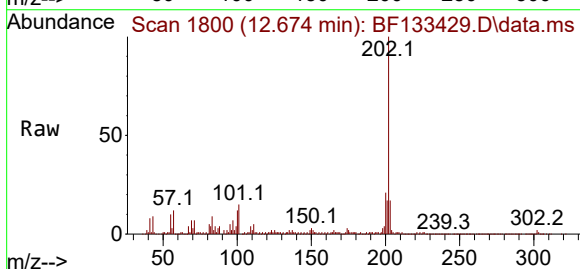
Tgt Ion:202 Resp: 135158

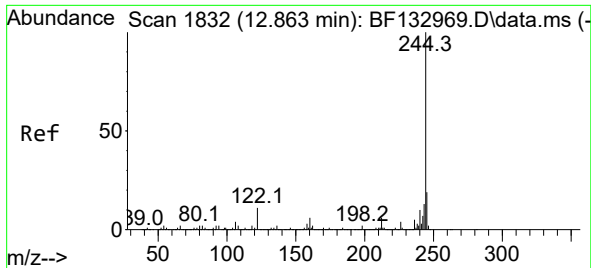
Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.0 14.1 21.1

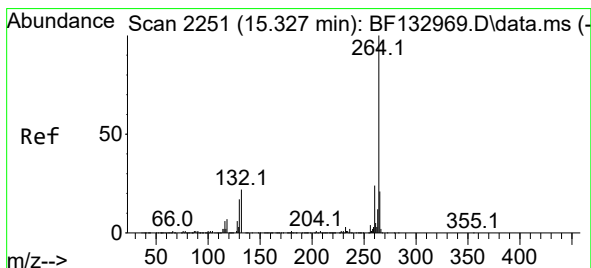
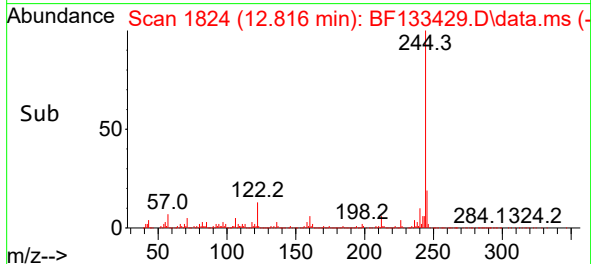
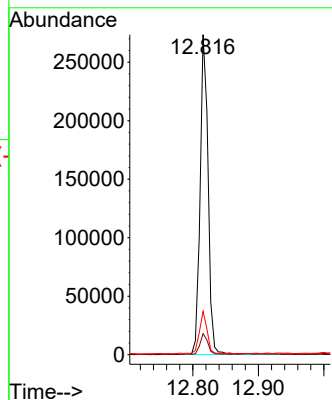
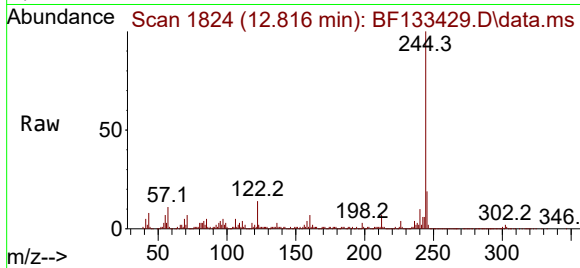




#79
 Terphenyl-d14
 Concen: 8.689 ng
 RT: 12.816 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF133429.D
 Acq: 17 May 2023 23:27

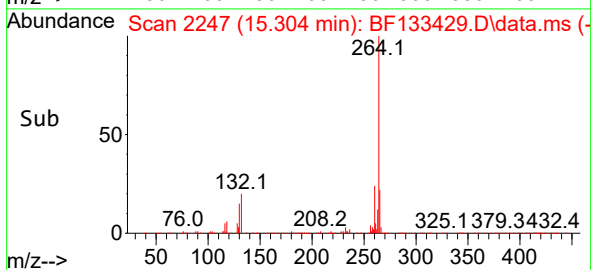
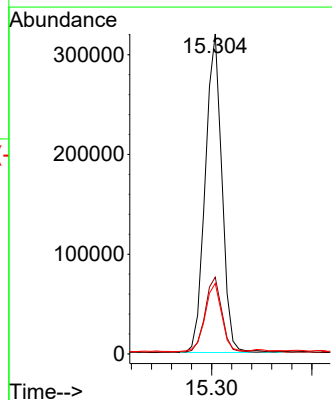
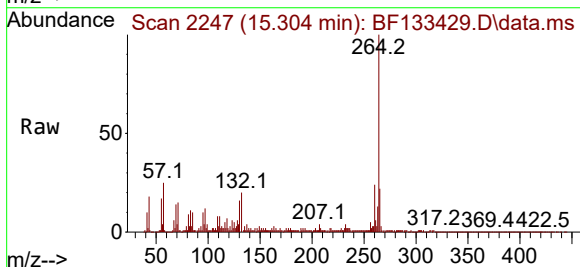
Instrument :
 BNA_F
 ClientSampleId :
 OR-02-051623

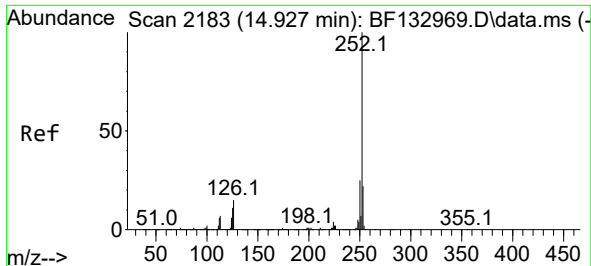
Tgt Ion:244 Resp: 231884
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 13.6 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.000 min
 Lab File: BF133429.D
 Acq: 17 May 2023 23:27

Tgt Ion:264 Resp: 369457
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.8 28.2
 265 22.1 17.0 25.4

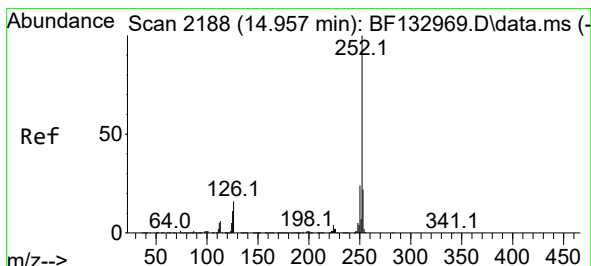
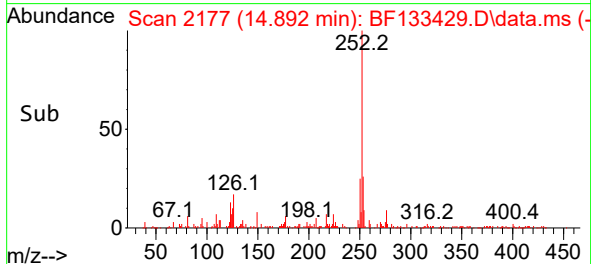
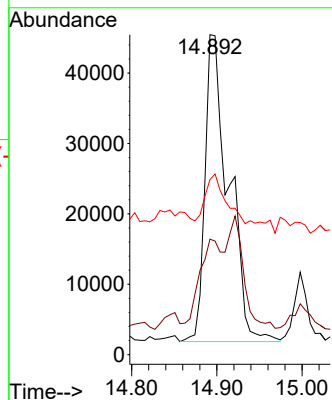
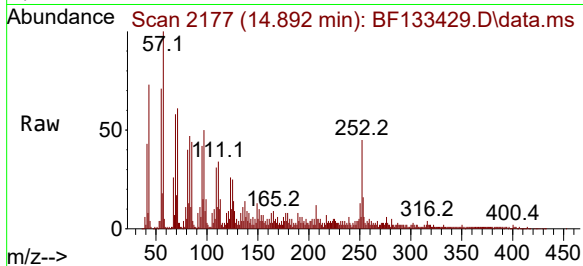




#88
Benzo(b)fluoranthene
Concen: 3.583 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

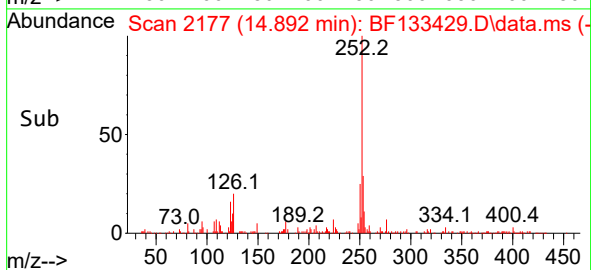
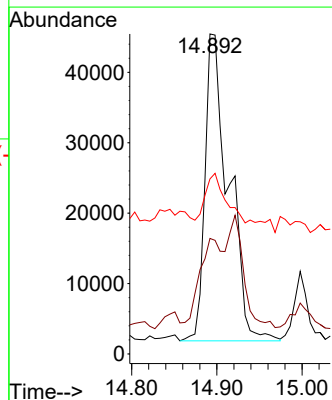
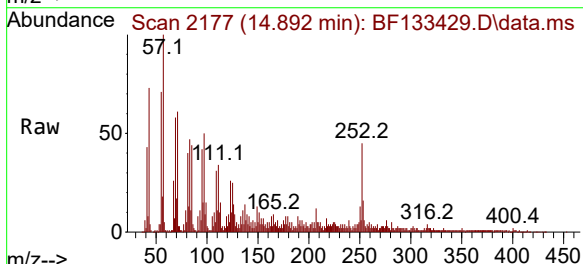
Instrument :
BNA_F
ClientSampleId :
OR-02-051623

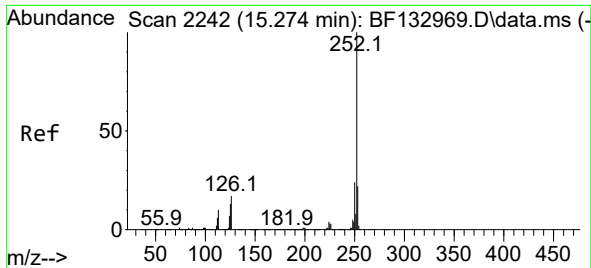
Tgt Ion:252 Resp: 84224
Ion Ratio Lower Upper
252 100
253 36.1 17.6 26.4#
125 54.7 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 3.615 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.035 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

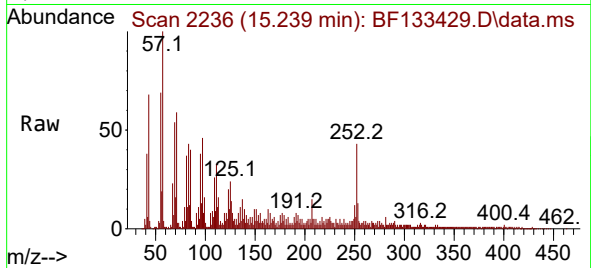
Tgt Ion:252 Resp: 84224
Ion Ratio Lower Upper
252 100
253 36.1 17.7 26.5#
125 54.7 9.0 13.4#





#90
Benzo(a)pyrene
Concen: 2.006 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133429.D
Acq: 17 May 2023 23:27

Instrument :
BNA_F
ClientSampleId :
OR-02-051623



Tgt Ion:252 Resp: 42918
Ion Ratio Lower Upper
252 100
253 29.5 17.7 26.5#
125 56.6 10.5 15.7#

