

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122823\
 Data File : BF136813.D
 Acq On : 29 Dec 2023 01:26
 Operator : CG\JU
 Sample : 05883-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-121523RE

Quant Time: Dec 29 01:58:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

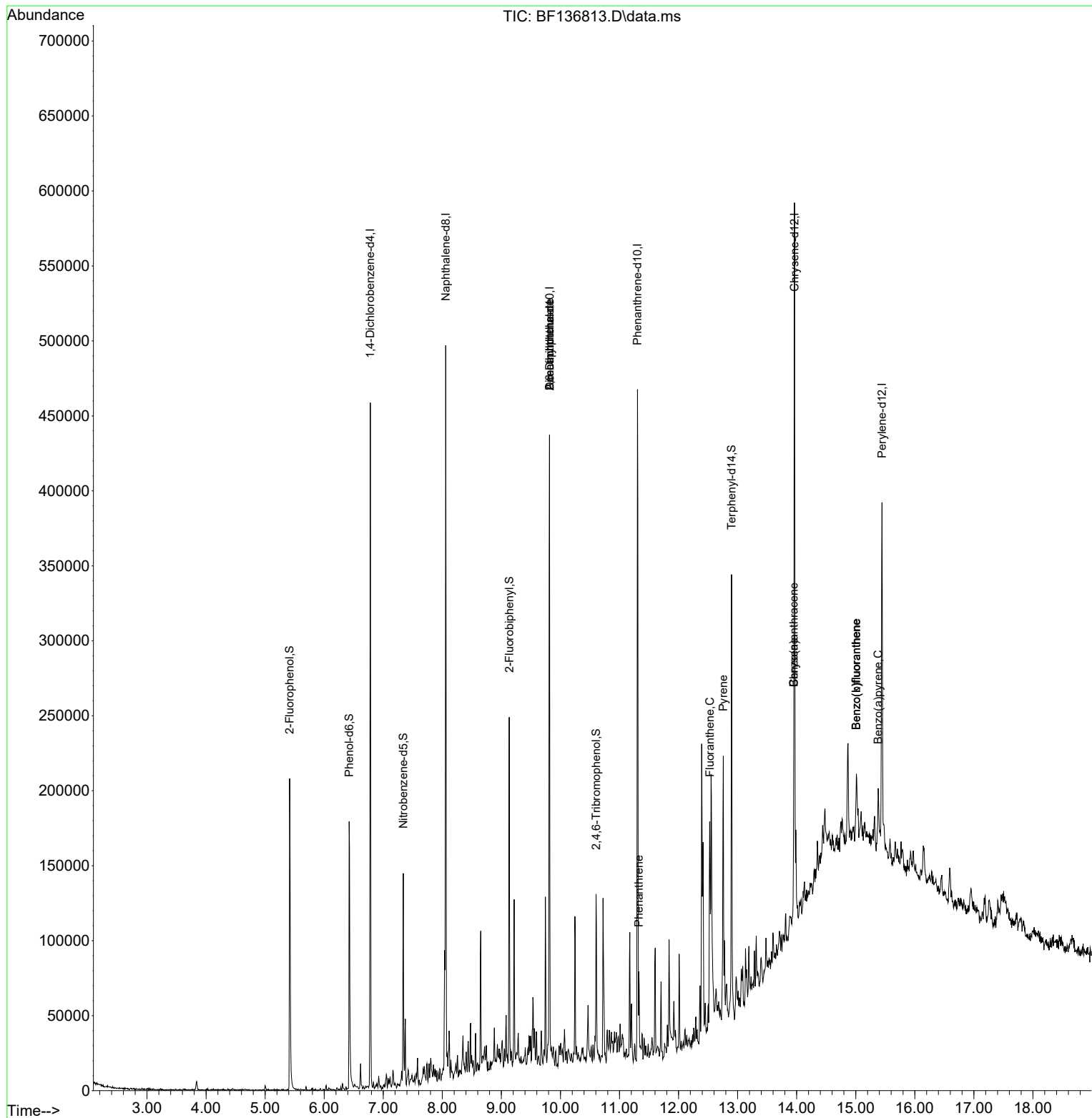
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	61941	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	188649	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	80006	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	167270	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	147365	20.000	ng	0.00
86) Perylene-d12	15.445	264	105812	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	59551	15.001	ng	-0.01
7) Phenol-d6	6.422	99	68373	13.292	ng	-0.02
23) Nitrobenzene-d5	7.339	82	40337	10.941	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	14374	15.255	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	67227	11.302	ng	-0.02
79) Terphenyl-d14	12.898	244	94156	8.929	ng	-0.02
Target Compounds						Qvalue
50) Dimethylphthalate	9.816	163	16087	2.753	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11178	8.428	ng	# 29
71) Phenanthrene	11.327	178	18773	2.187	ng	98
75) Fluoranthene	12.527	202	47500	5.174	ng	98
78) Pyrene	12.757	202	68979	4.768	ng	99
81) Benzo(a)anthracene	13.951	228	25312	2.474	ng	93
83) Chrysene	13.951	228	25312	2.530	ng	98
88) Benzo(b)fluoranthene	15.009	252	24289	3.437	ng	# 81
89) Benzo(k)fluoranthene	15.009	252	24289	3.637	ng	# 81
90) Benzo(a)pyrene	15.380	252	13051	2.188	ng	# 81

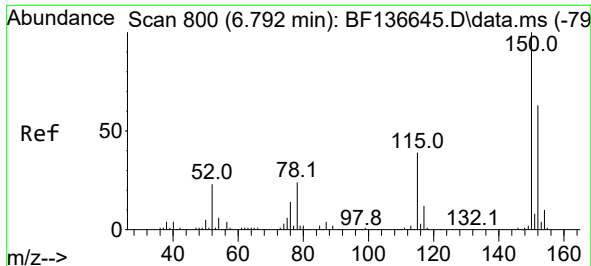
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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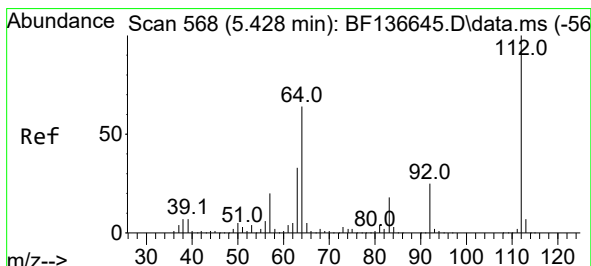
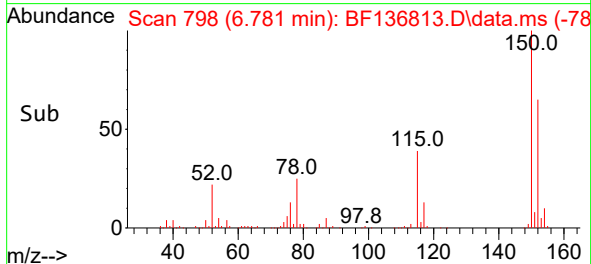
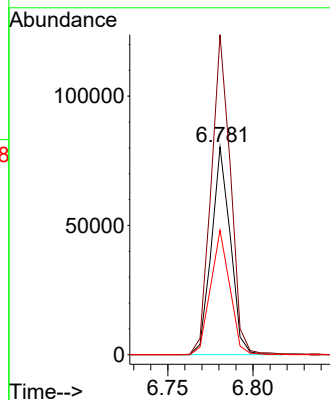
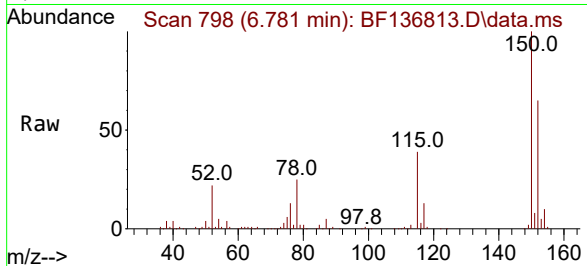




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

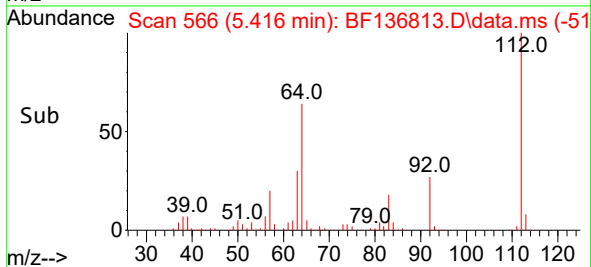
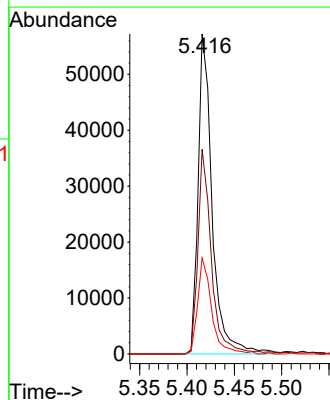
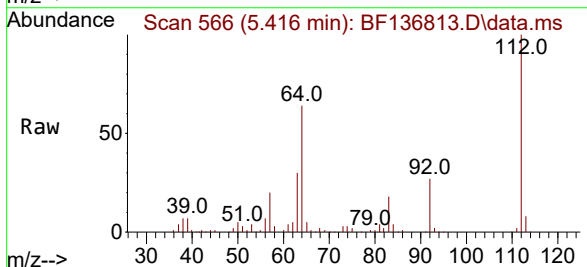
Instrument :
BNA_F
ClientSampleId :
EO-02-121523RE

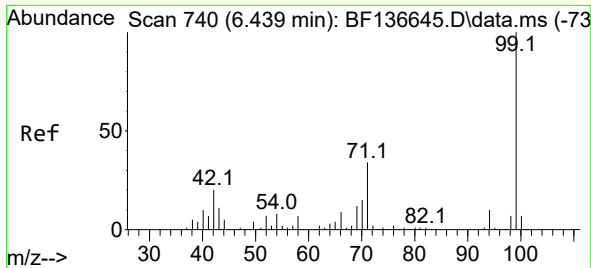
Tgt Ion:152 Resp: 61941
Ion Ratio Lower Upper
152 100
150 154.0 127.0 190.6
115 59.9 49.0 73.4



#5
2-Fluorophenol
Concen: 15.001 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion:112 Resp: 59551
Ion Ratio Lower Upper
112 100
64 64.0 51.1 76.7
63 30.0 26.1 39.1

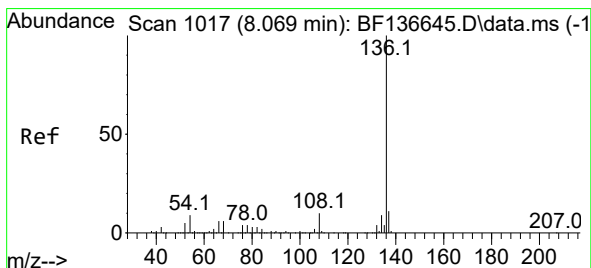
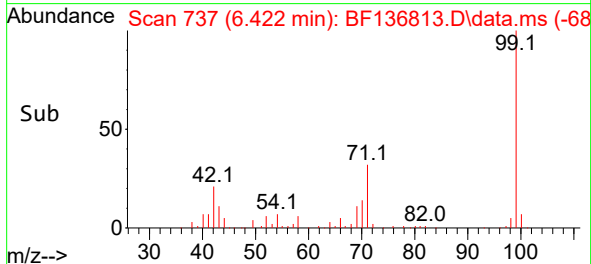
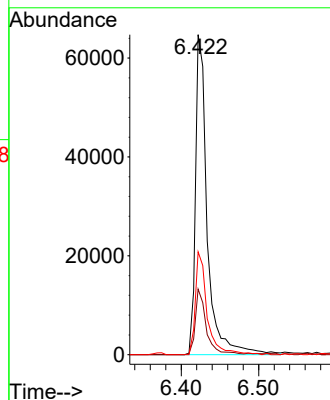
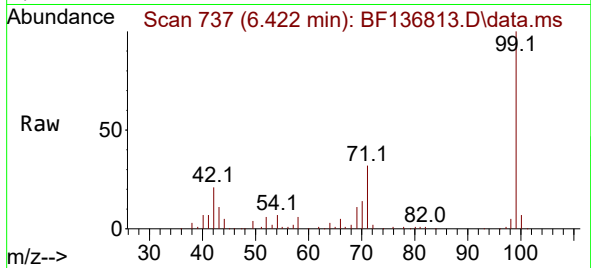




#7
Phenol-d6
Concen: 13.292 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

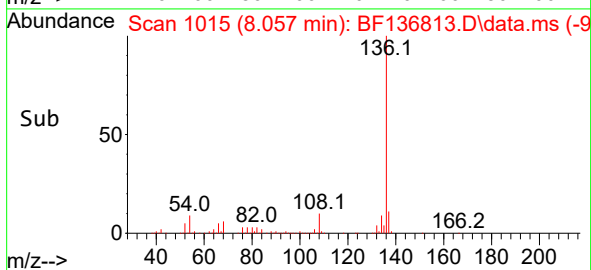
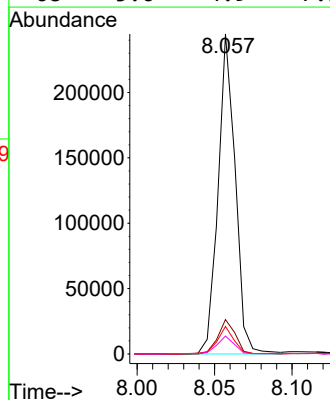
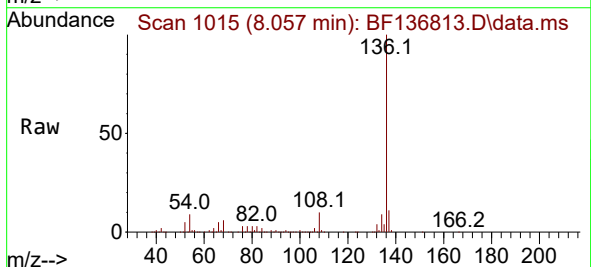
Instrument :
BNA_F
ClientSampleId :
EO-02-121523RE

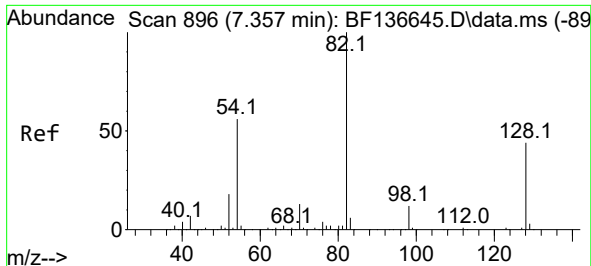
Tgt Ion: 99 Resp: 68373
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 32.2 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion: 136 Resp: 188649
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.6 7.2 10.8
68 5.6 4.9 7.3

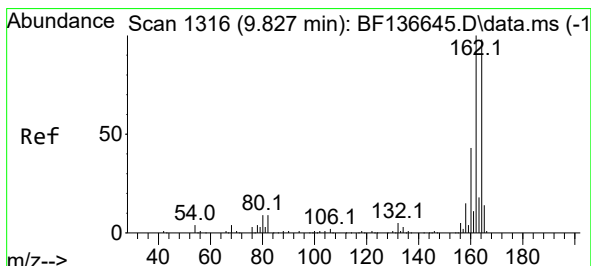
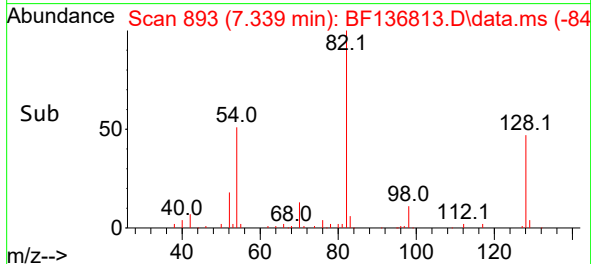
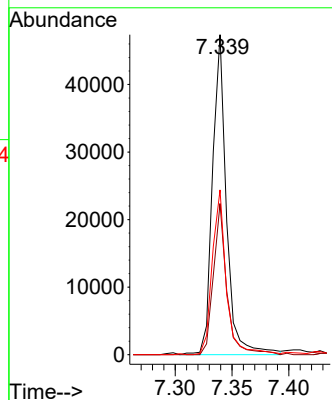
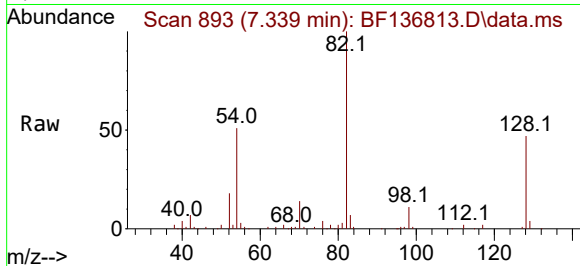




#23
Nitrobenzene-d5
Concen: 10.941 ng
RT: 7.339 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

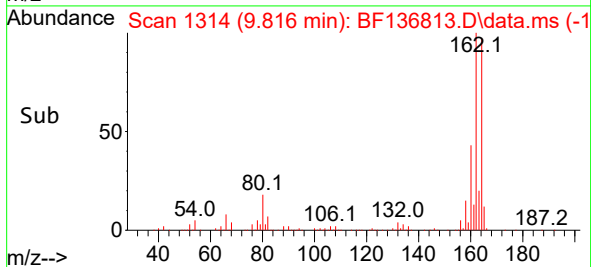
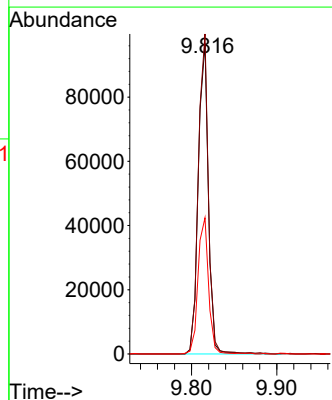
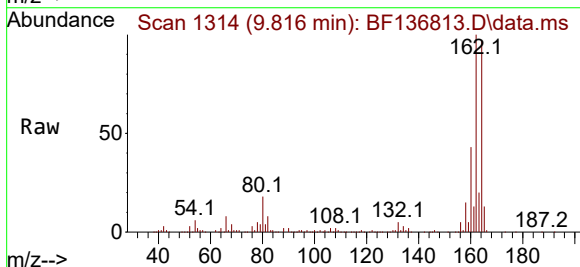
Instrument :
BNA_F
ClientSampleId :
EO-02-121523RE

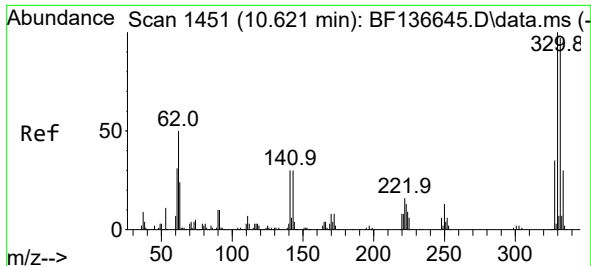
Tgt Ion: 82 Resp: 40337
Ion Ratio Lower Upper
82 100
128 47.2 35.3 52.9
54 51.5 44.5 66.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion: 164 Resp: 80006
Ion Ratio Lower Upper
164 100
162 103.1 81.6 122.4
160 43.9 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 15.255 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF136813.D

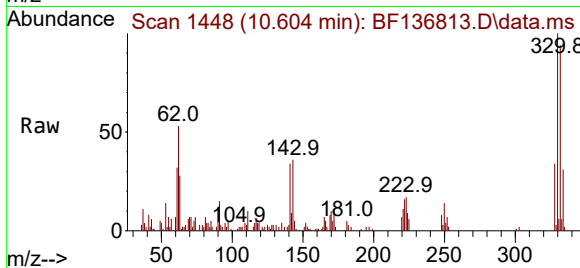
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Instrument :

BNA_F

ClientSampleId :

EO-02-121523RE



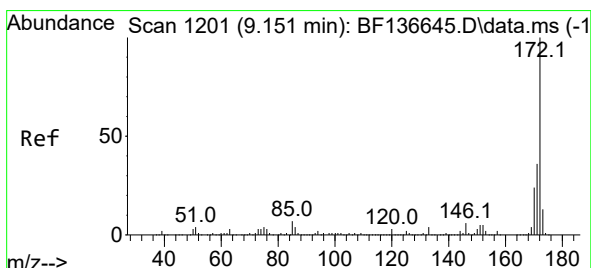
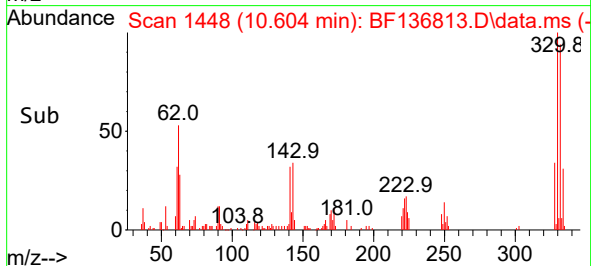
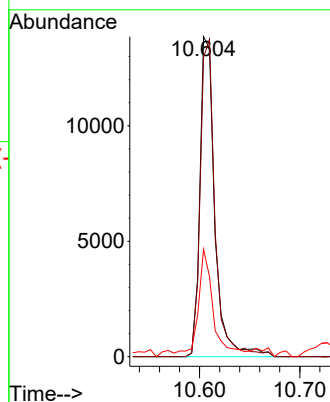
Tgt Ion:330 Resp: 14374

Ion Ratio Lower Upper

330 100

332 98.1 77.4 116.0

141 31.3 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 11.302 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136813.D

Acq: 29 Dec 2023 01:26

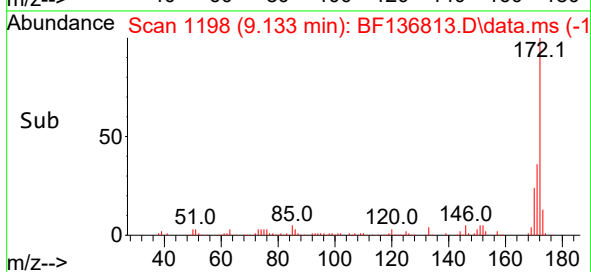
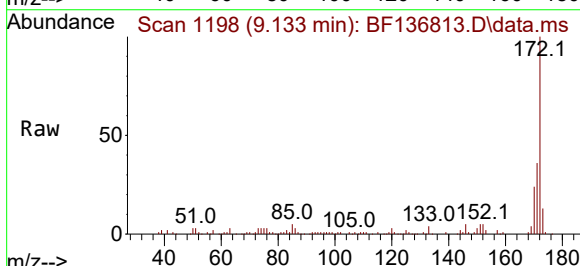
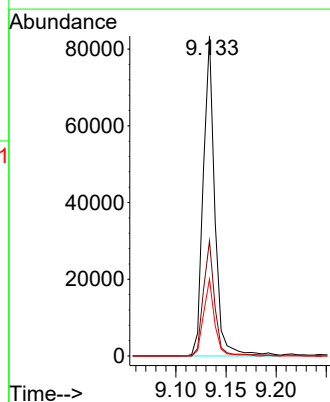
Tgt Ion:172 Resp: 67227

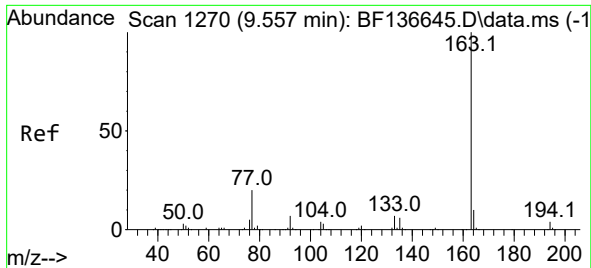
Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.6

170 24.0 19.0 28.4

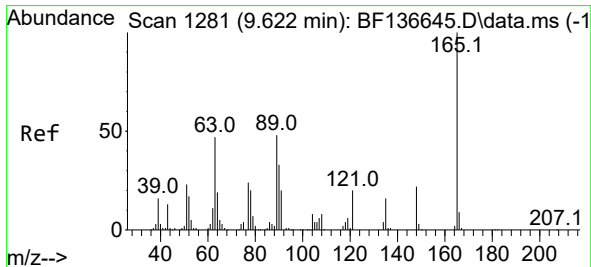
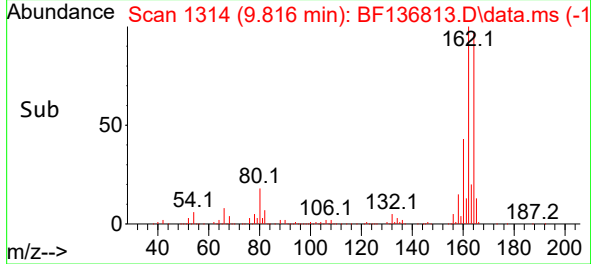
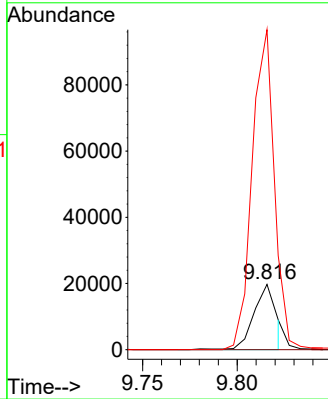
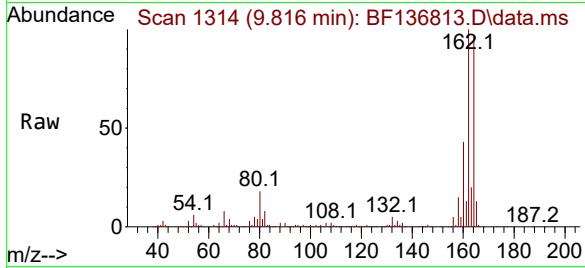




#50
Dimethylphthalate
Concen: 2.753 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

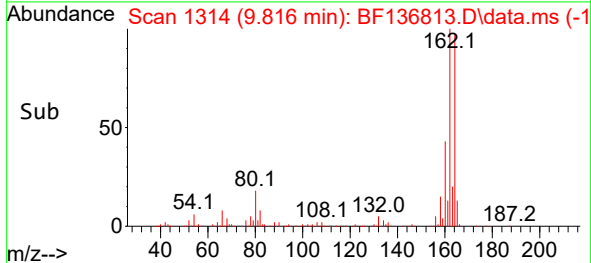
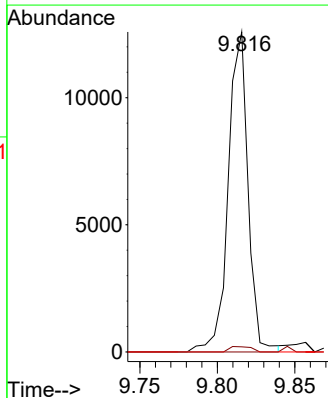
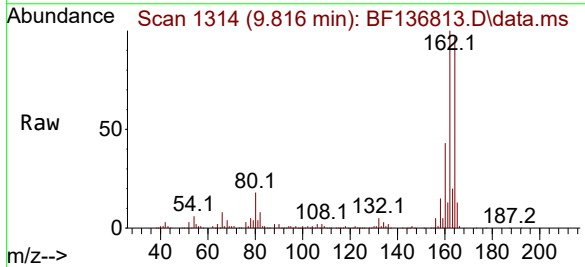
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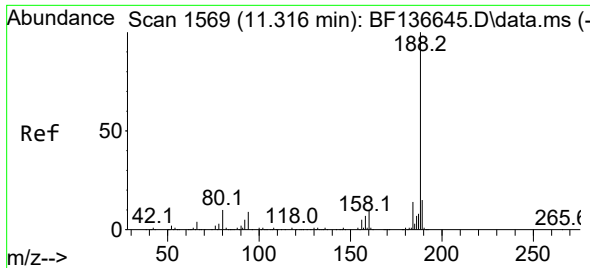
Tgt Ion:163 Resp: 16087
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 490.1 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.428 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion:165 Resp: 11178
Ion Ratio Lower Upper
165 100
63 1.6 39.8 59.6#
89 0.0 38.8 58.2#

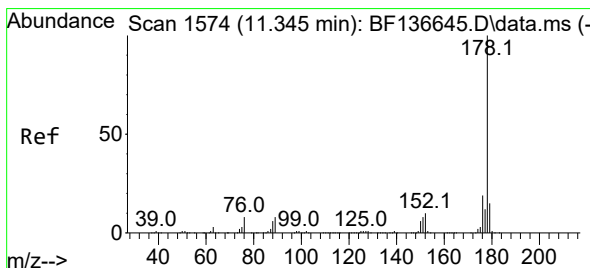
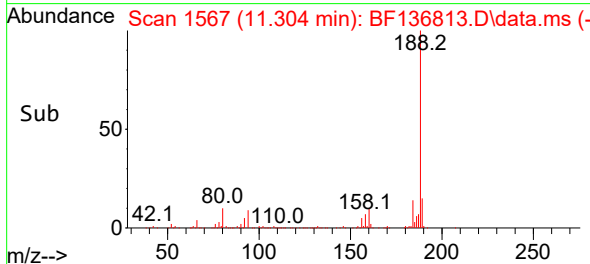
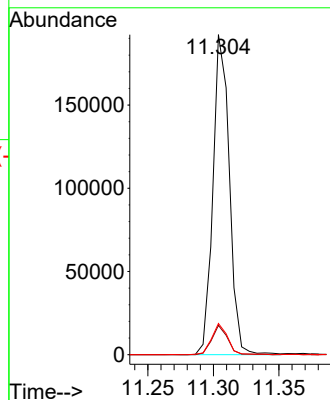
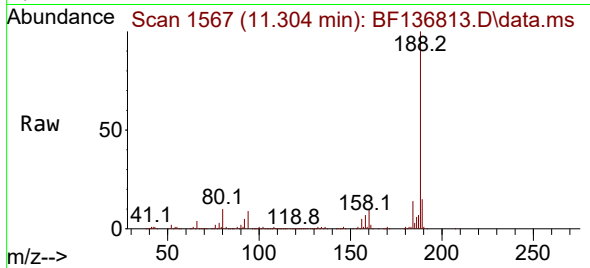




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

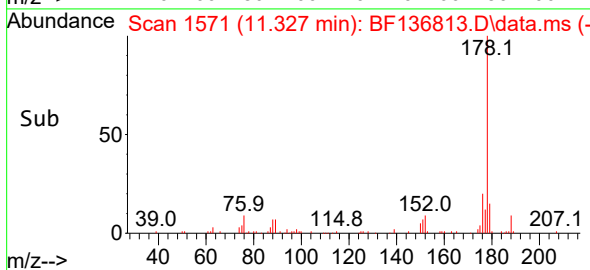
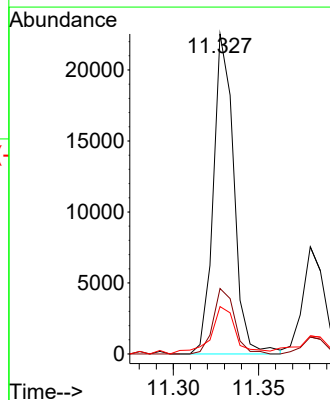
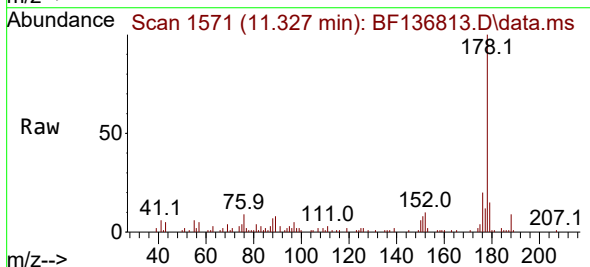
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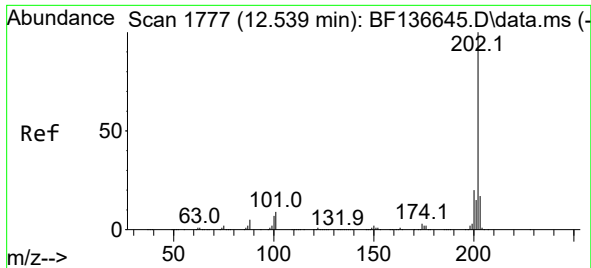
Tgt Ion:188 Resp: 167270
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.8 8.1 12.1



#71
Phenanthrene
Concen: 2.187 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion:178 Resp: 18773
Ion Ratio Lower Upper
178 100
176 20.5 15.3 22.9
179 14.8 11.9 17.9

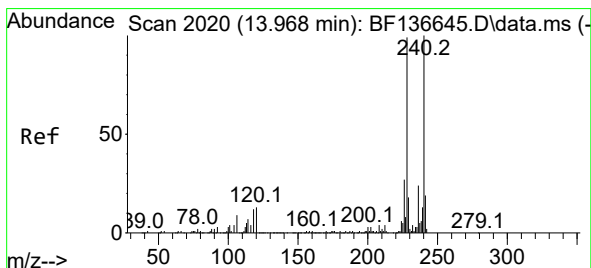
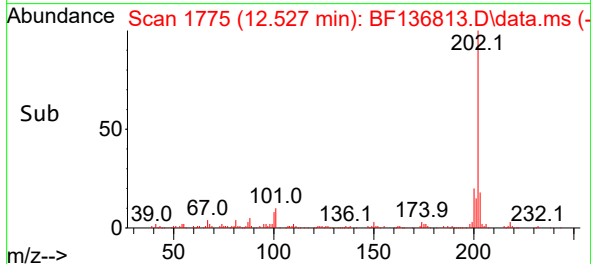
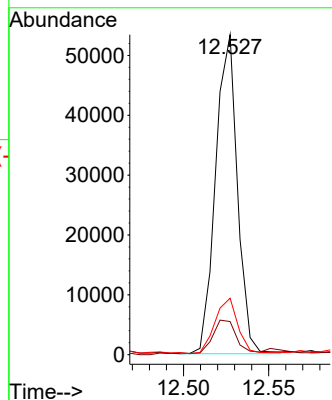
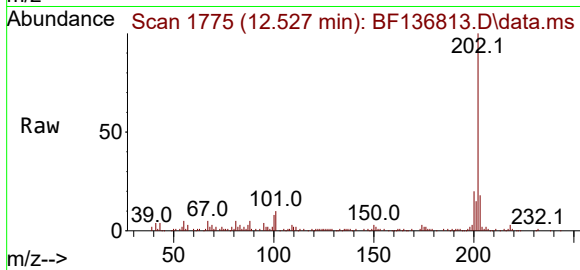




#75
Fluoranthene
Concen: 5.174 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

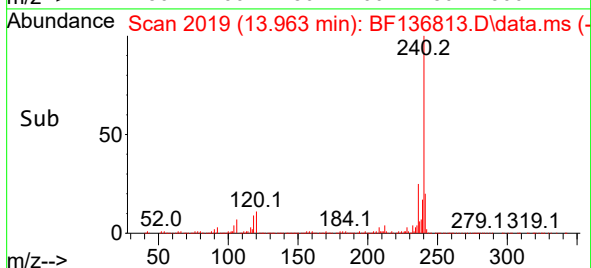
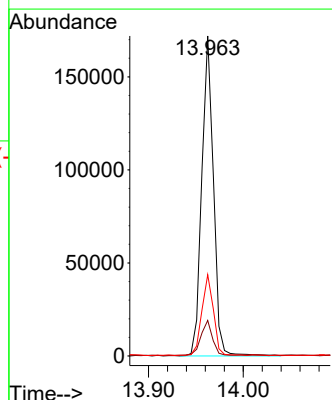
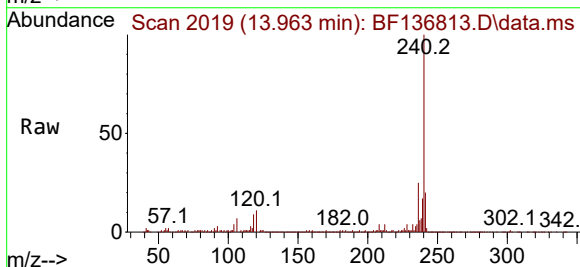
Instrument :
BNA_F
ClientSampleId :
EO-02-121523RE

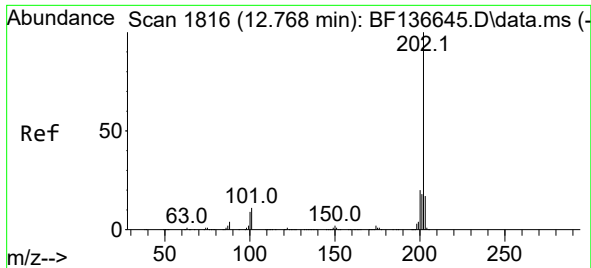
Tgt Ion:202 Resp: 47500
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.3
203 17.7 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion:240 Resp: 147365
Ion Ratio Lower Upper
240 100
120 11.1 10.3 15.5
236 25.4 19.4 29.2

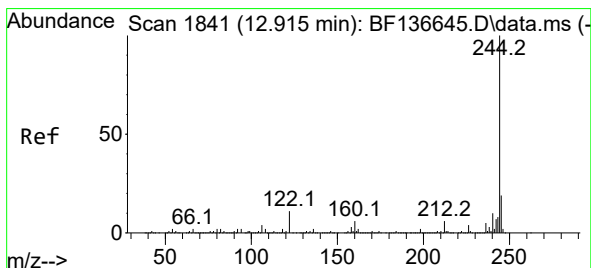
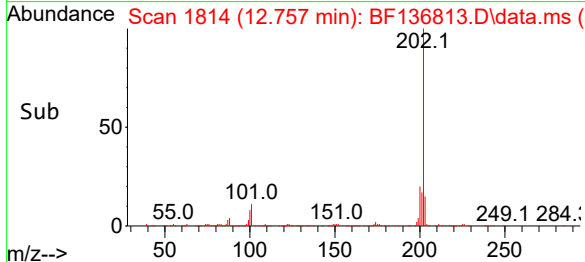
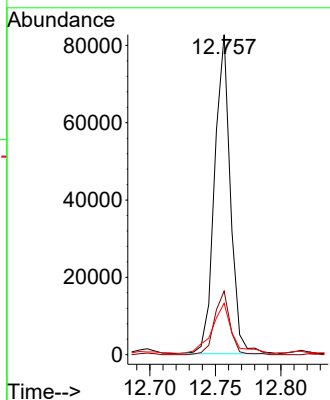
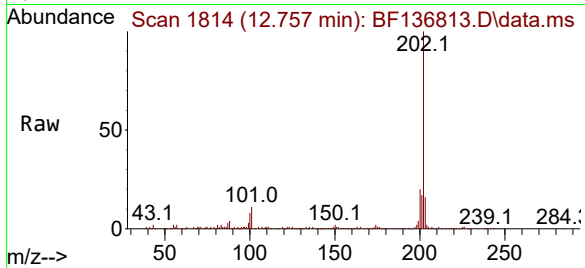




#78
 Pyrene
 Concen: 4.768 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF136813.D
 Acq: 29 Dec 2023 01:26

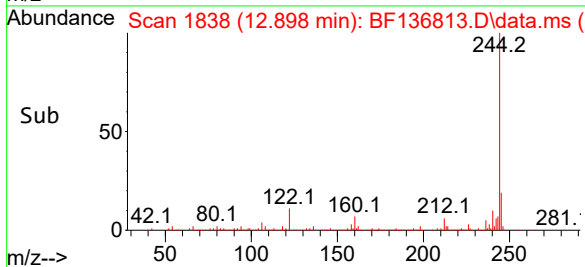
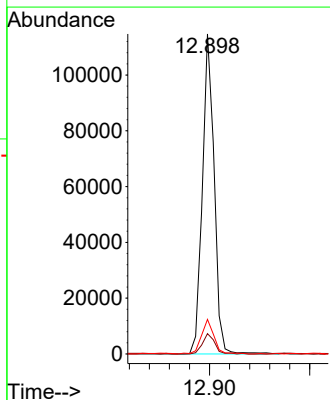
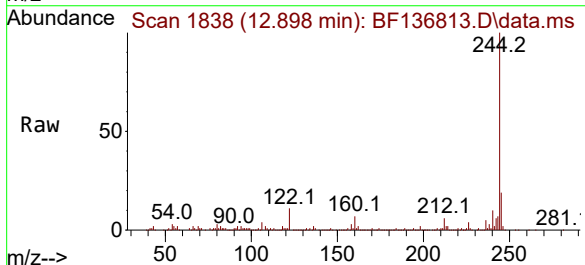
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-121523RE

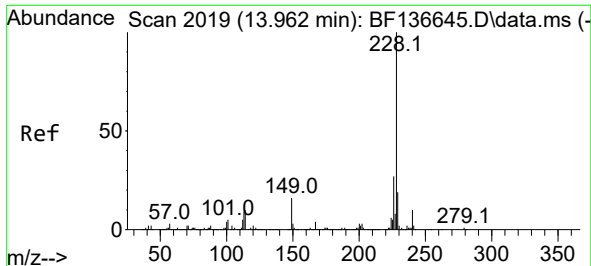
Tgt Ion:202 Resp: 68979
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.9 23.9
 203 16.1 13.8 20.6



#79
 Terphenyl-d14
 Concen: 8.929 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.018 min
 Lab File: BF136813.D
 Acq: 29 Dec 2023 01:26

Tgt Ion:244 Resp: 94156
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.8 9.0 13.4

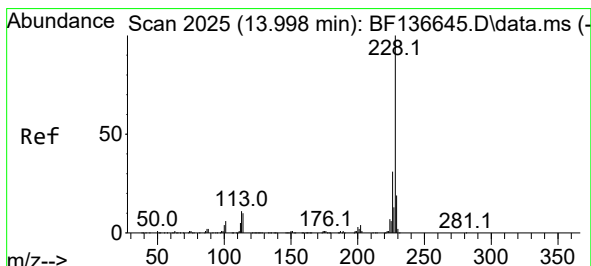
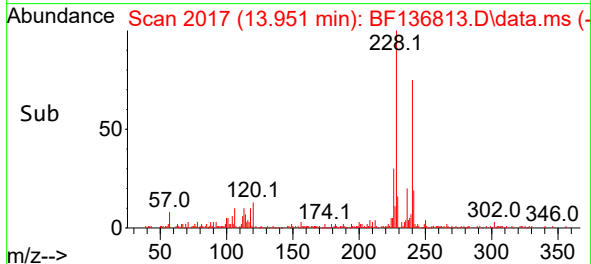
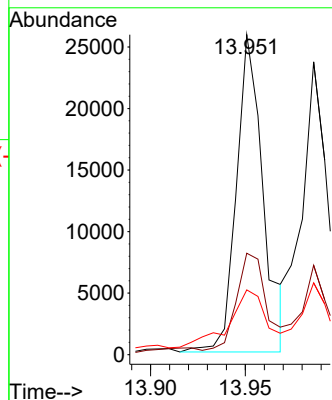
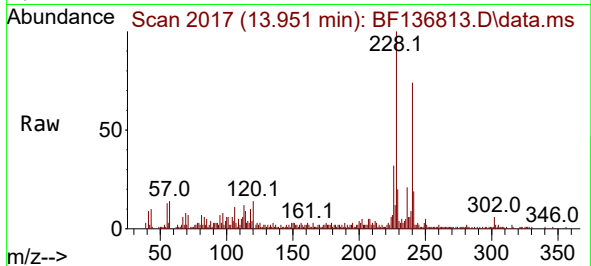




#81
Benzo(a)anthracene
Concen: 2.474 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

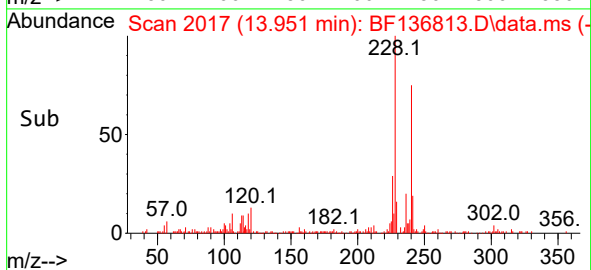
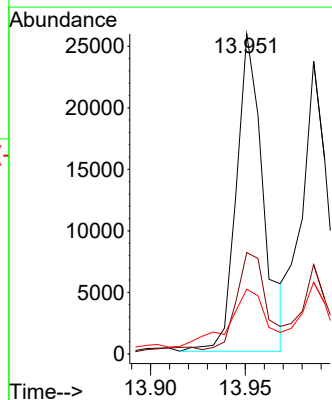
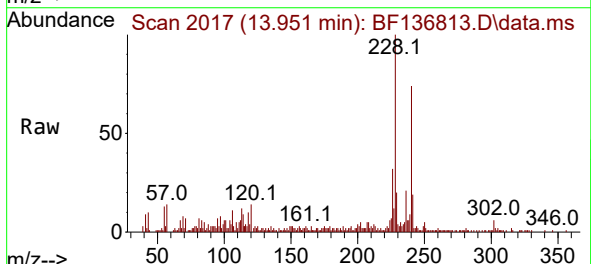
Instrument :
BNA_F
ClientSampleId :
EO-02-121523RE

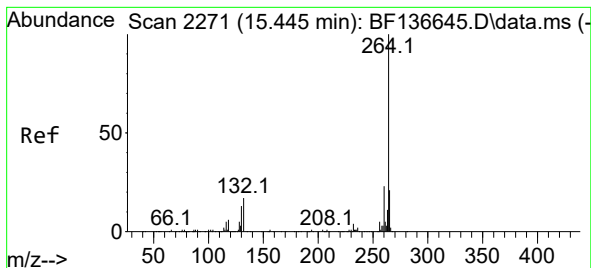
Tgt Ion:228 Resp: 25312
Ion Ratio Lower Upper
228 100
226 31.7 21.4 32.0
229 20.2 14.9 22.3



#83
Chrysene
Concen: 2.530 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.047 min
Lab File: BF136813.D
Acq: 29 Dec 2023 01:26

Tgt Ion:228 Resp: 25312
Ion Ratio Lower Upper
228 100
226 31.7 24.7 37.1
229 20.2 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136813.D

Acq: 29 Dec 2023 01:26

Instrument :

BNA_F

ClientSampleId :

EO-02-121523RE

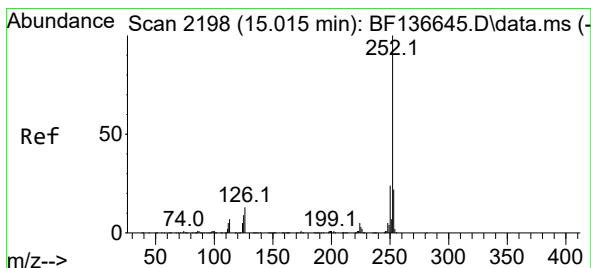
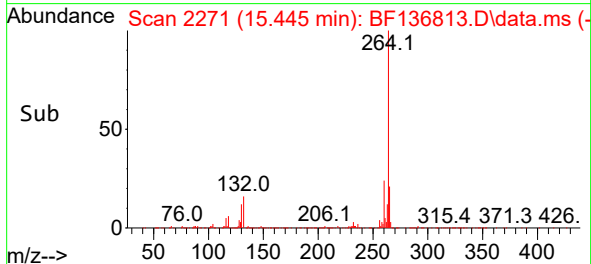
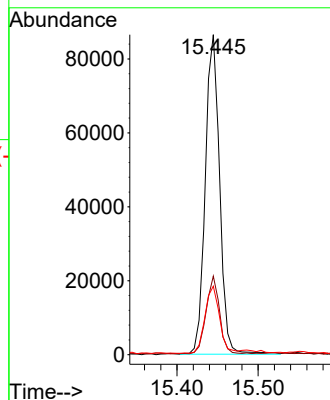
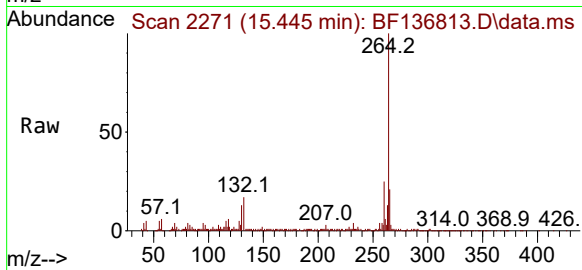
Tgt Ion:264 Resp: 105812

Ion Ratio Lower Upper

264 100

260 24.5 18.3 27.5

265 21.4 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.437 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136813.D

Acq: 29 Dec 2023 01:26

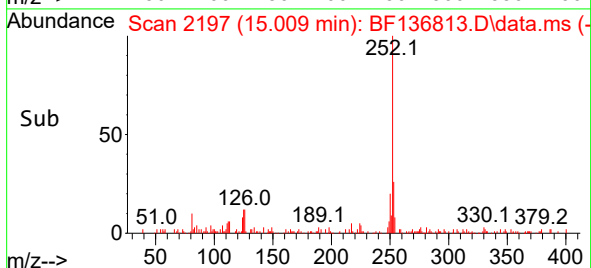
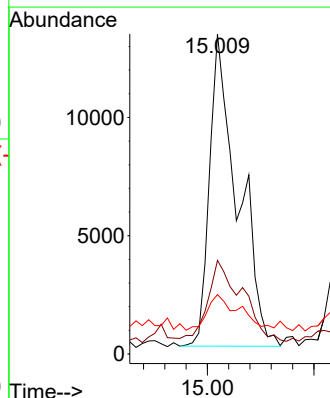
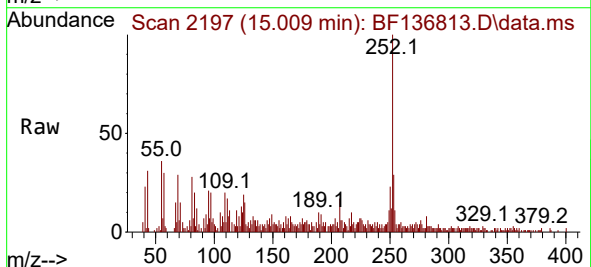
Tgt Ion:252 Resp: 24289

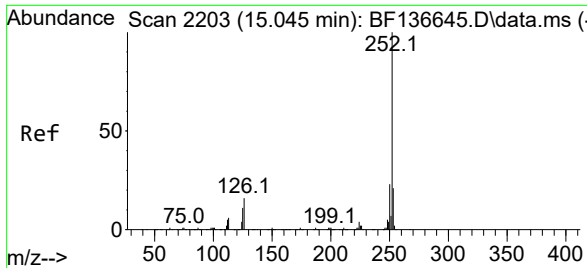
Ion Ratio Lower Upper

252 100

253 29.3 17.4 26.0#

125 18.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 3.637 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136813.D

Acq: 29 Dec 2023 01:26

Instrument :

BNA_F

ClientSampleId :

EO-02-121523RE

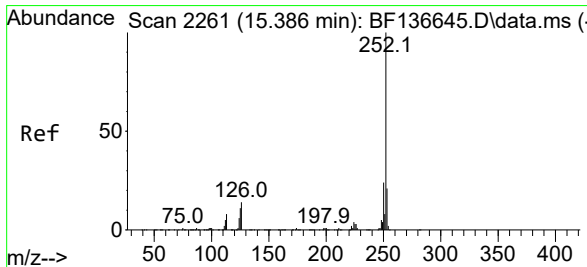
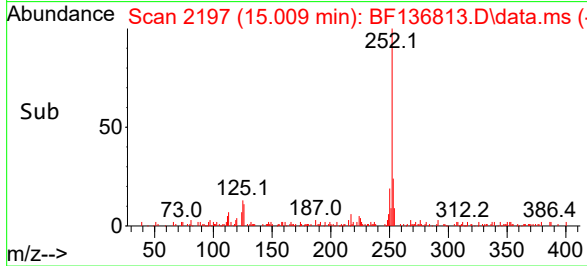
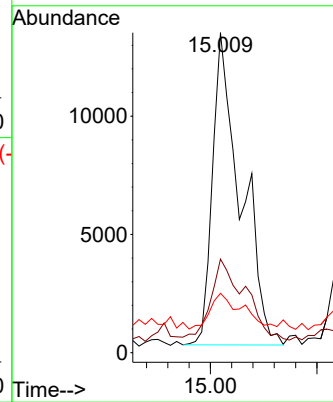
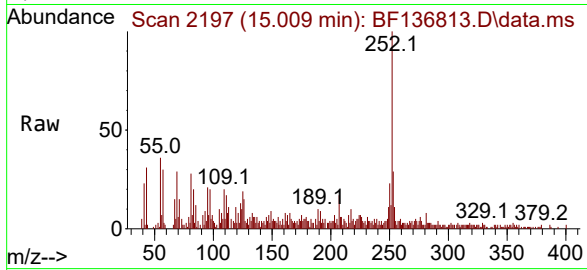
Tgt Ion:252 Resp: 24289

Ion Ratio Lower Upper

252 100

253 29.3 17.0 25.6#

125 18.5 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 2.188 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.006 min

Lab File: BF136813.D

Acq: 29 Dec 2023 01:26

Tgt Ion:252 Resp: 13051

Ion Ratio Lower Upper

252 100

253 26.9 17.0 25.6#

125 23.0 8.8 13.2#

