

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140476.D
 Acq On : 19 Nov 2024 16:24
 Operator : RC/JU
 Sample : P4869-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-11152024

Quant Time: Nov 19 17:00:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

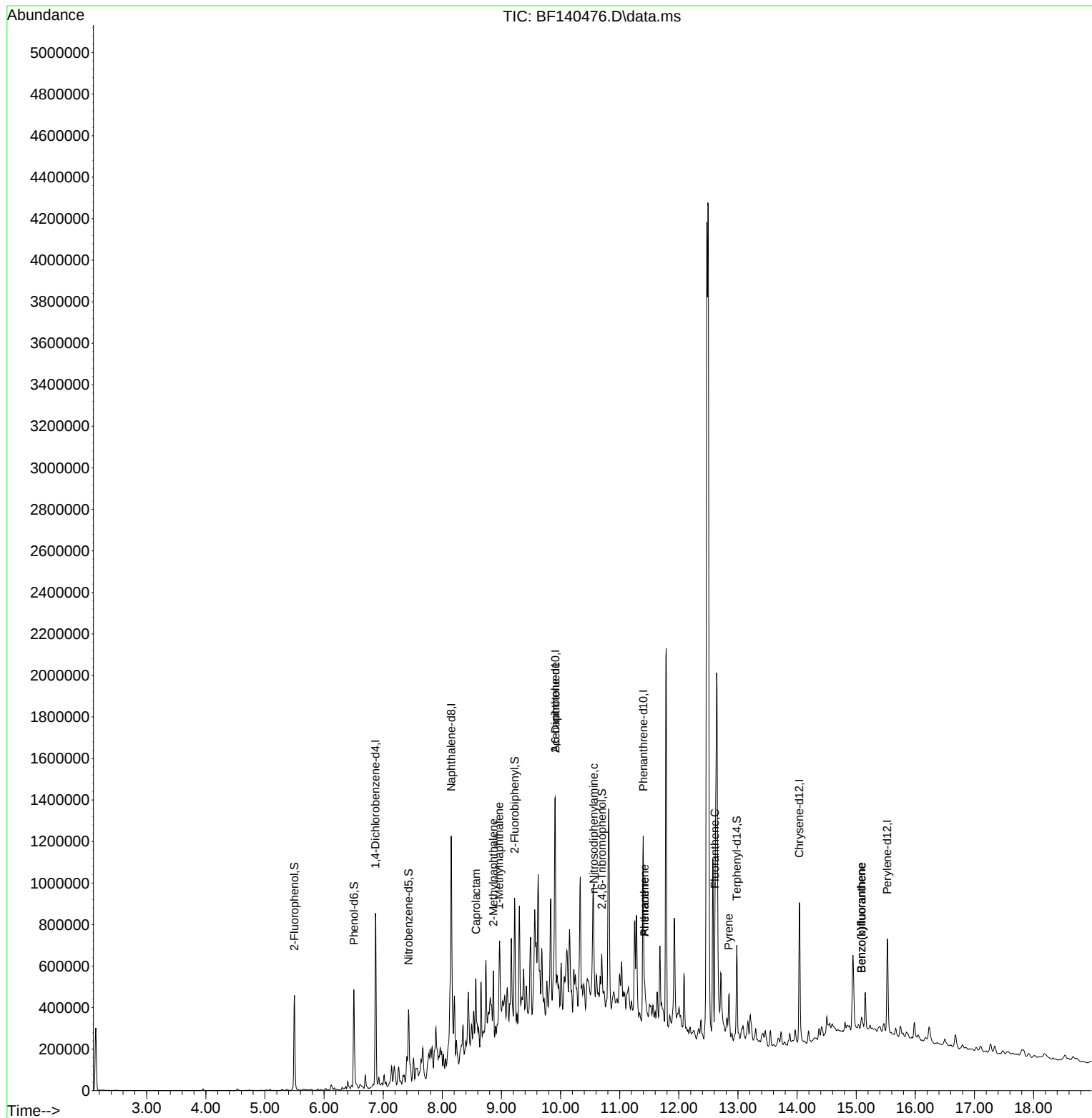
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	177890	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	622089	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	302712	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	451617	20.000	ng	0.00
76) Chrysene-d12	14.039	240	312203	20.000	ng	-0.01
86) Perylene-d12	15.527	264	248198	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	184500	17.708	ng	0.00
7) Phenol-d6	6.504	99	242962	17.212	ng	0.00
23) Nitrobenzene-d5	7.428	82	149062	12.485	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	43481	14.444	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	279540	14.845	ng	-0.01
79) Terphenyl-d14	12.980	244	209570	11.652	ng	0.00
Target Compounds						
					Qvalue	
35) Caprolactam	8.569	113	11442	3.944	ng	# 1
37) 2-Methylnaphthalene	8.863	142	129113	6.381	ng	100
38) 1-Methylnaphthalene	8.963	142	85100	4.295	ng	98
51) 2,6-Dinitrotoluene	9.910	165	51729	11.500	ng	# 25
66) n-Nitrosodiphenylamine	10.563	169	37627	2.884	ng	# 55
71) Phenanthrene	11.422	178	75989	3.582	ng	# 96
72) Anthracene	11.422	178	75989	3.655	ng	96
75) Fluoranthene	12.610	202	49053	2.061	ng	94
78) Pyrene	12.845	202	55903	2.093	ng	97
88) Benzo(b)fluoranthene	15.092	252	38046	2.343	ng	# 78
89) Benzo(k)fluoranthene	15.092	252	38046	2.868	ng	# 77

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

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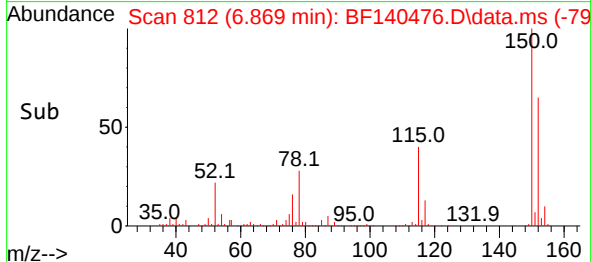
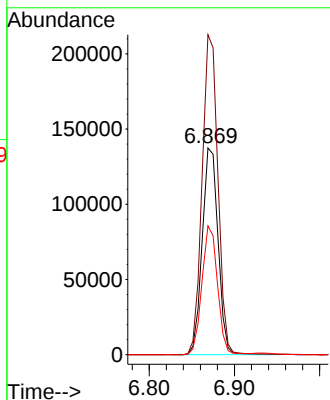
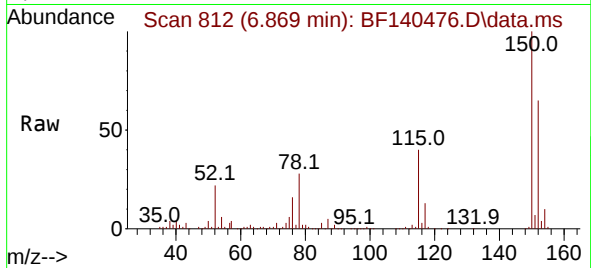




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

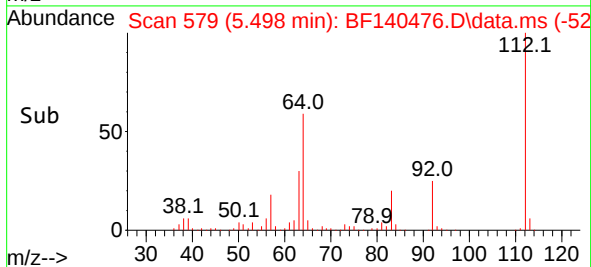
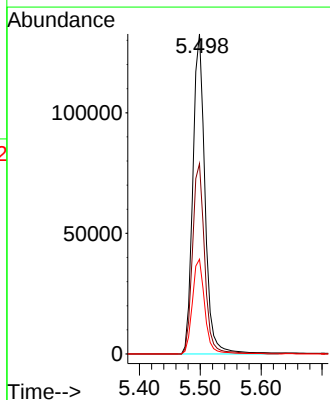
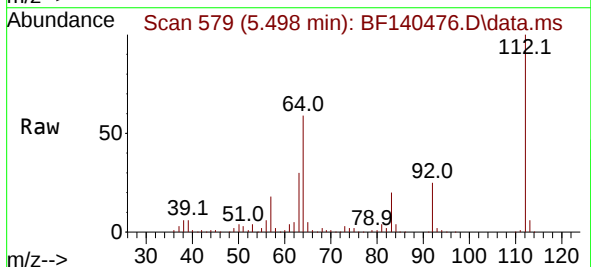
Instrument :
BNA_F
ClientSampleId :
EO-02-11152024

Tgt Ion:152 Resp: 177890
Ion Ratio Lower Upper
152 100
150 154.8 127.4 191.0
115 62.3 47.4 71.2



#5
2-Fluorophenol
Concen: 17.708 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion:112 Resp: 184500
Ion Ratio Lower Upper
112 100
64 59.5 49.2 73.8
63 29.6 25.6 38.4

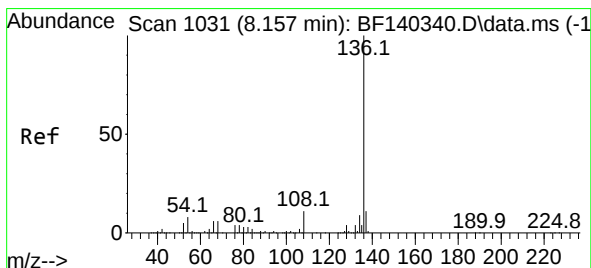
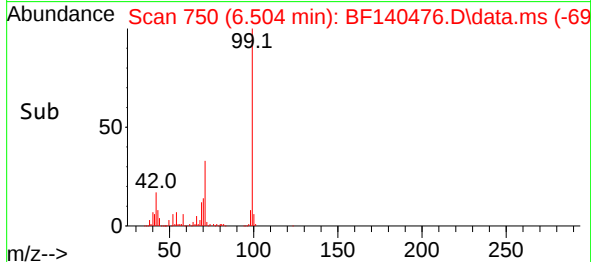
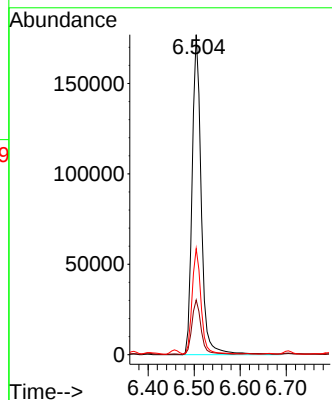
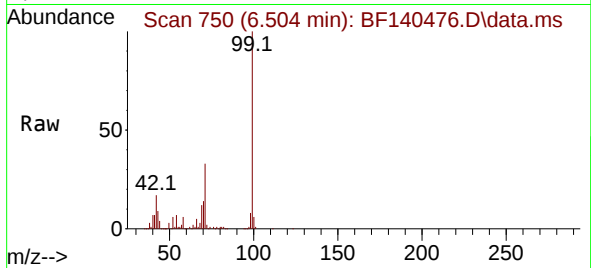




#7
Phenol-d6
Concen: 17.212 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

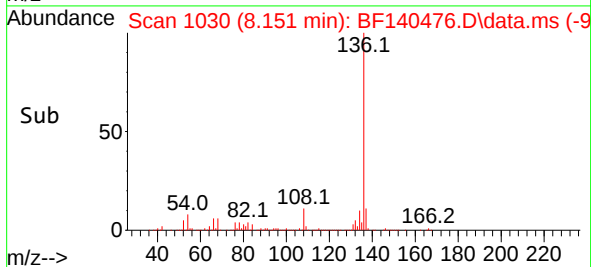
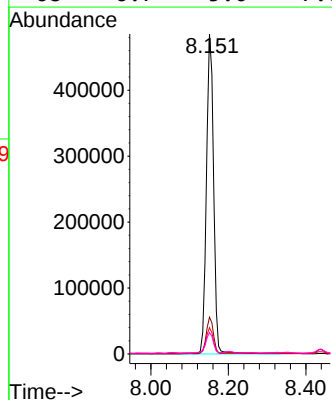
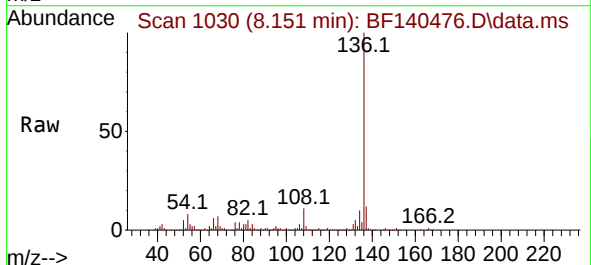
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BNA_F
ClientSampleId :
EO-02-11152024

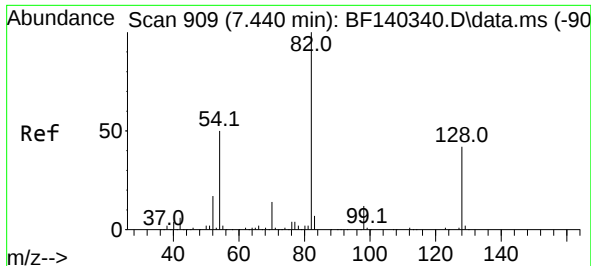
Tgt Ion: 99 Resp: 242962
Ion Ratio Lower Upper
99 100
42 17.1 15.1 22.7
71 33.1 27.9 41.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion: 136 Resp: 622089
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 8.2 6.5 9.7
68 6.7 5.0 7.6

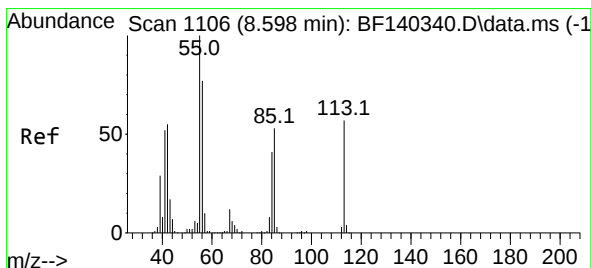
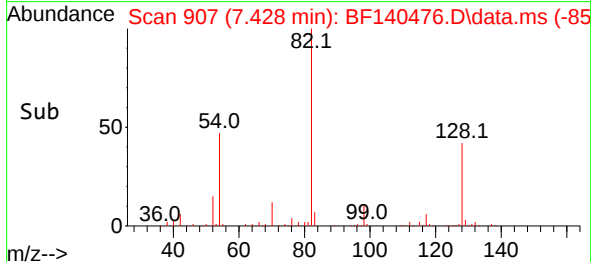
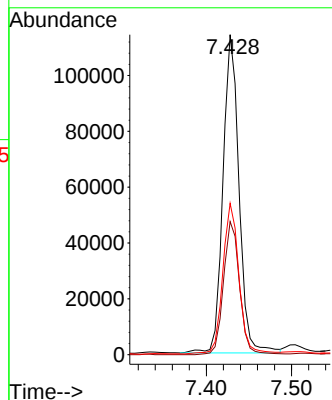
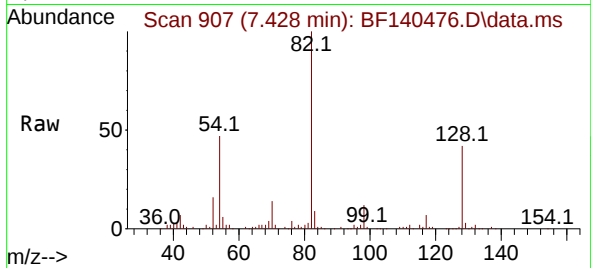




#23
Nitrobenzene-d5
Concen: 12.485 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

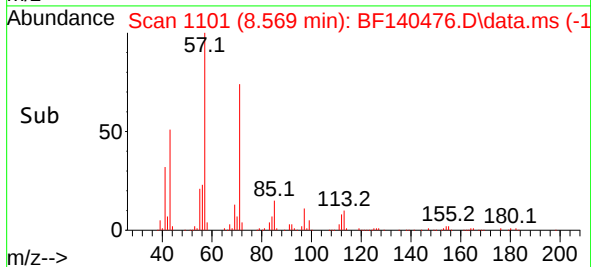
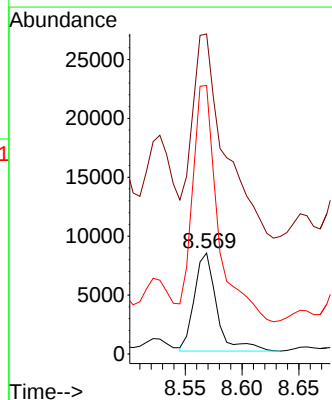
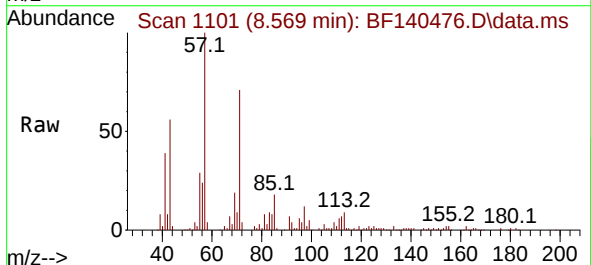
Instrument :
BNA_F
ClientSampleId :
EO-02-11152024

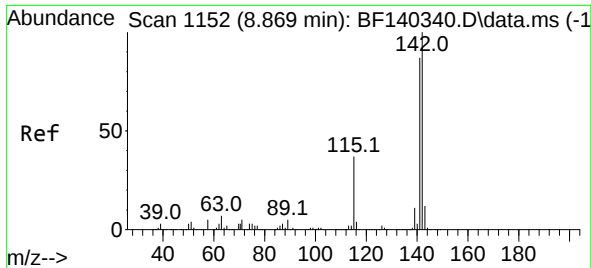
Tgt Ion: 82 Resp: 149062
Ion Ratio Lower Upper
82 100
128 41.6 33.3 49.9
54 47.3 39.8 59.8



#35
Caprolactam
Concen: 3.944 ng
RT: 8.569 min Scan# 1101
Delta R.T. -0.029 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion: 113 Resp: 11442
Ion Ratio Lower Upper
113 100
55 317.0 150.0 190.0#
56 266.0 111.1 151.1#

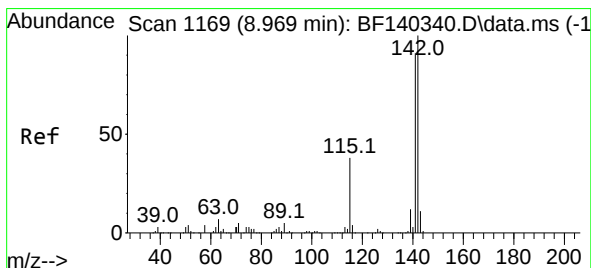
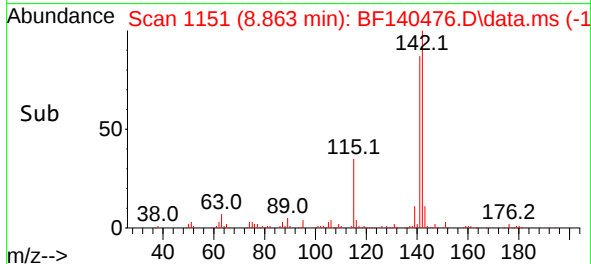
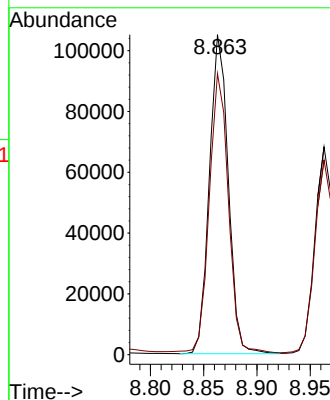
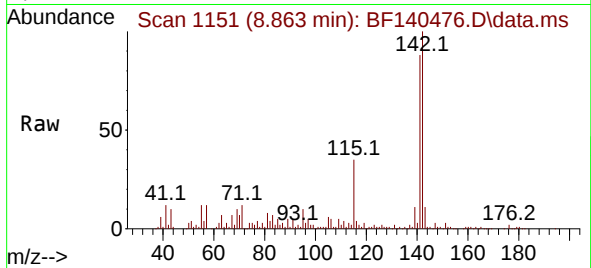




#37
2-Methylnaphthalene
Concen: 6.381 ng
RT: 8.863 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

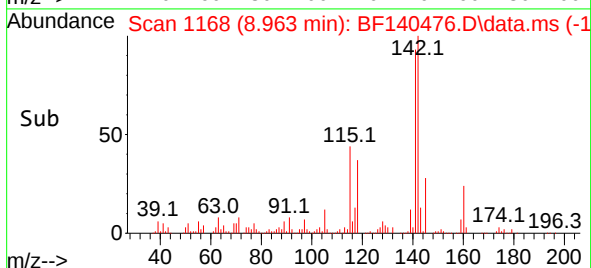
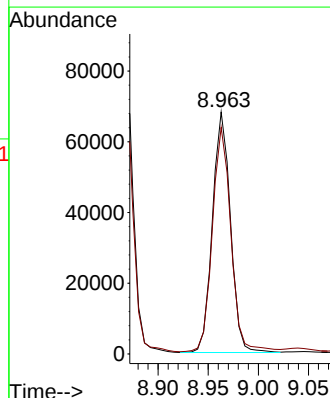
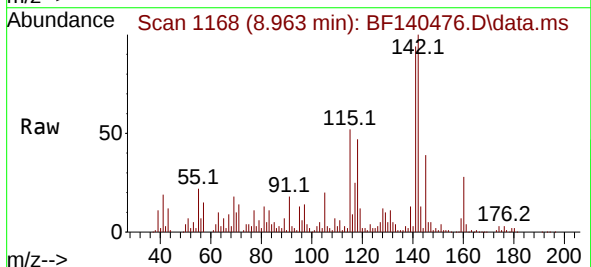
Instrument :
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ClientSampleId :
EO-02-11152024

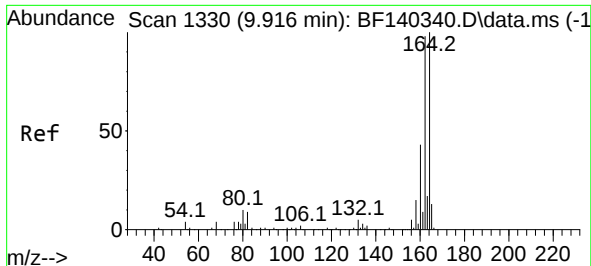
Tgt Ion:142 Resp: 129113
Ion Ratio Lower Upper
142 100
141 87.9 70.4 105.6



#38
1-Methylnaphthalene
Concen: 4.295 ng
RT: 8.963 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion:142 Resp: 85100
Ion Ratio Lower Upper
142 100
141 93.7 73.6 110.4

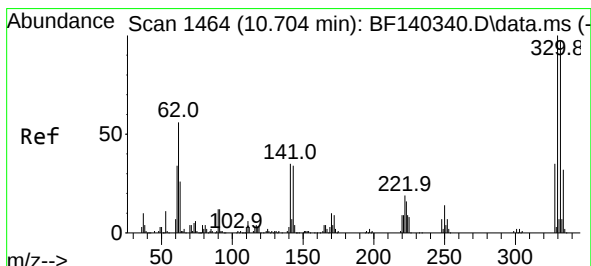
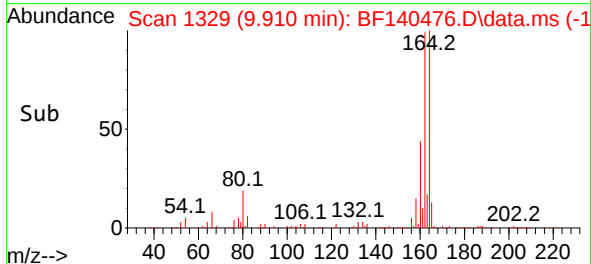
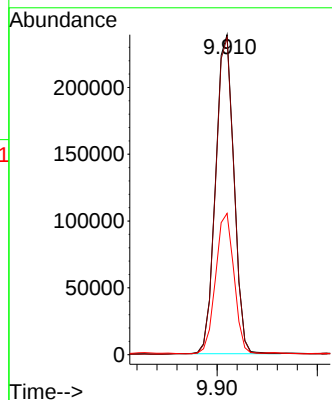
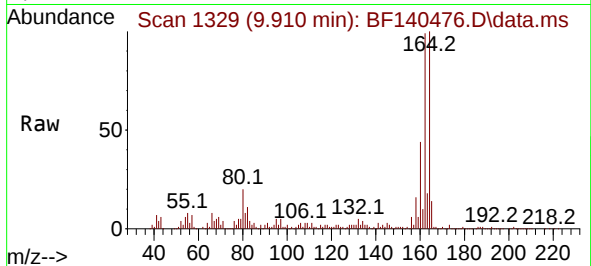




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

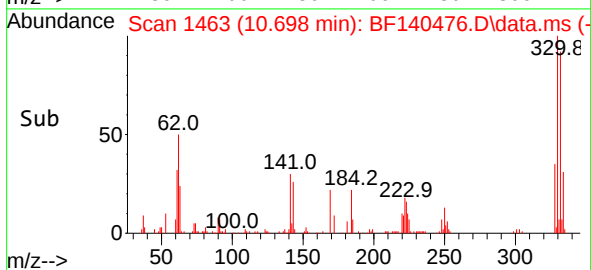
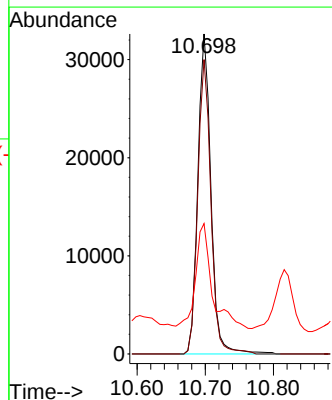
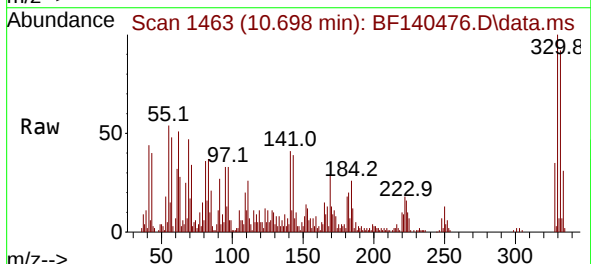
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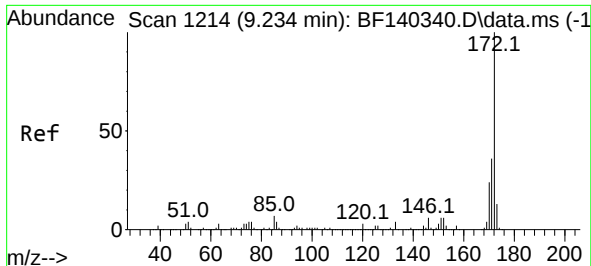
Tgt Ion:164 Resp: 302712
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 44.2 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 14.444 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion:330 Resp: 43481
Ion Ratio Lower Upper
330 100
332 92.2 75.9 113.9
141 41.3 26.9 40.3#

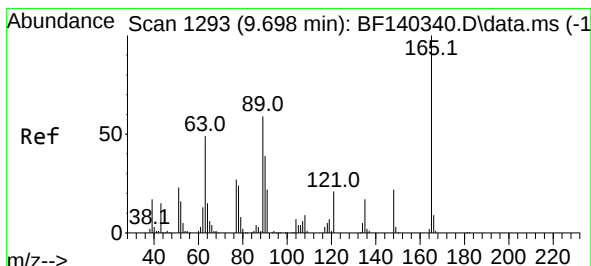
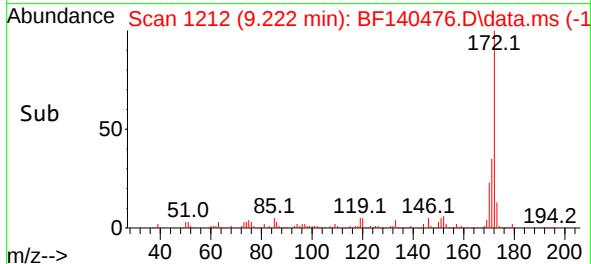
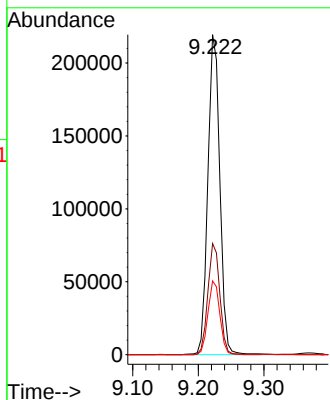
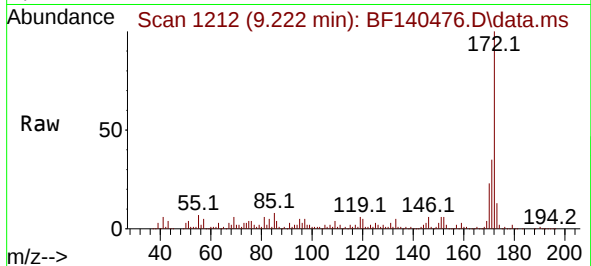




#45
2-Fluorobiphenyl
Concen: 14.845 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

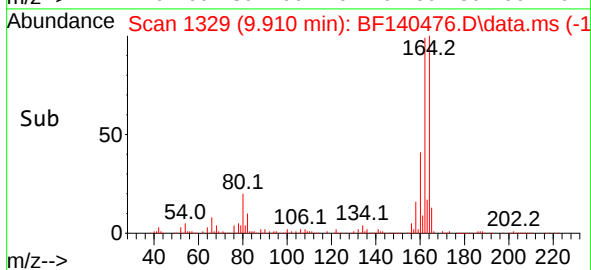
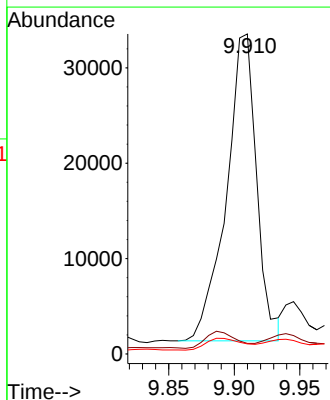
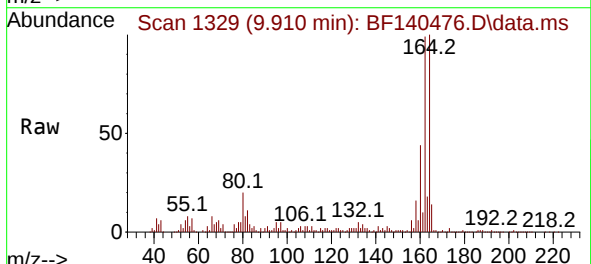
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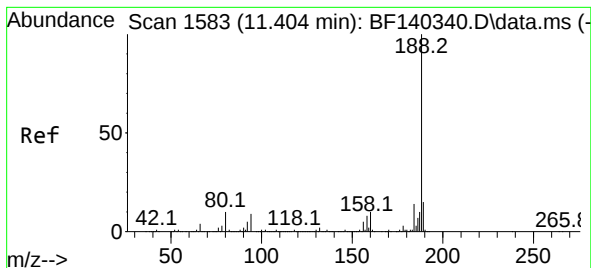
Tgt Ion:172 Resp: 279540
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 23.1 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 11.500 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion:165 Resp: 51729
Ion Ratio Lower Upper
165 100
63 3.3 47.6 71.4#
89 3.2 48.1 72.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

Instrument :

BNA_F

ClientSampleId :

EO-02-11152024

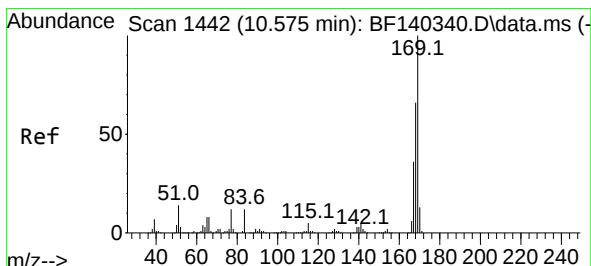
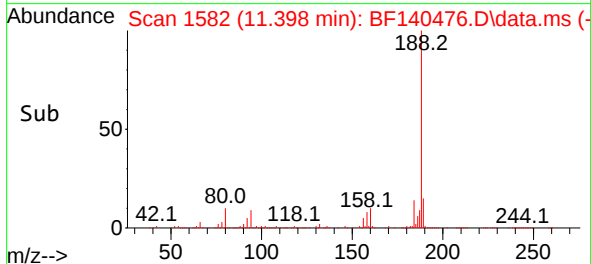
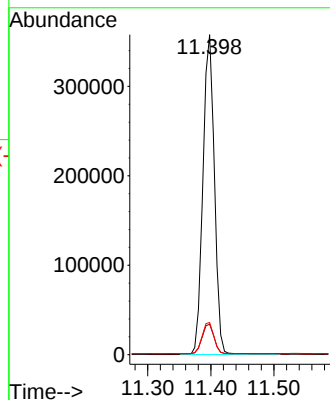
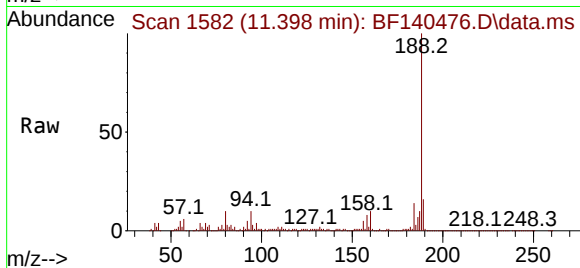
Tgt Ion:188 Resp: 451617

Ion Ratio Lower Upper

188 100

94 9.5 7.6 11.4

80 10.0 8.0 12.0



#66

n-Nitrosodiphenylamine

Concen: 2.884 ng

RT: 10.563 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

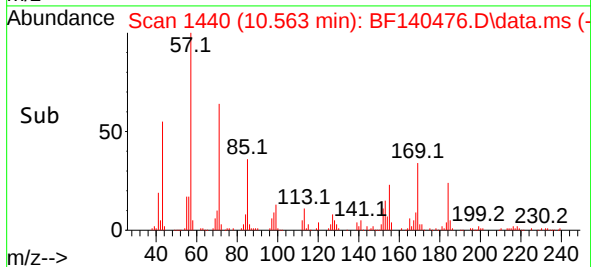
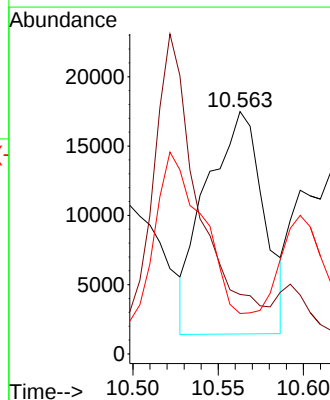
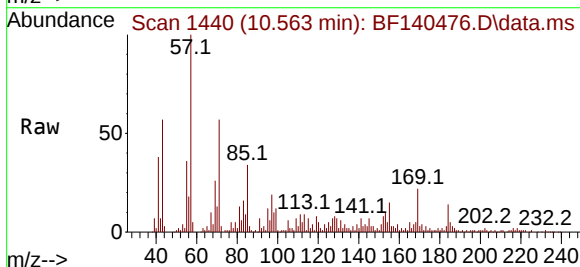
Tgt Ion:169 Resp: 37627

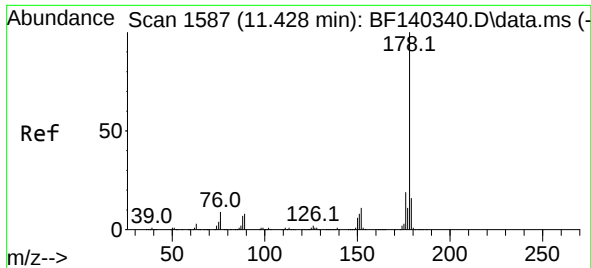
Ion Ratio Lower Upper

169 100

168 24.6 52.7 79.1#

167 16.7 29.3 43.9#

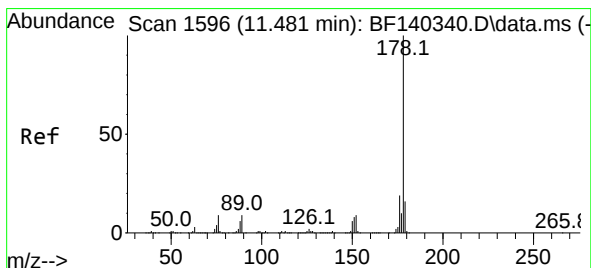
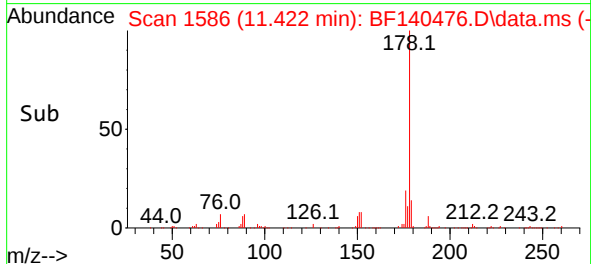
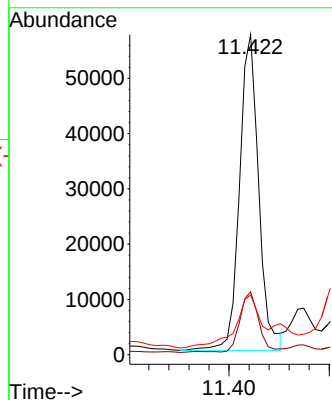
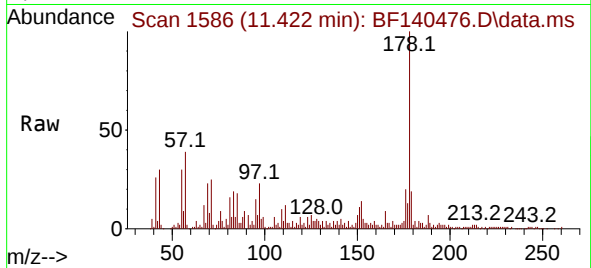




#71
Phenanthrene
Concen: 3.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

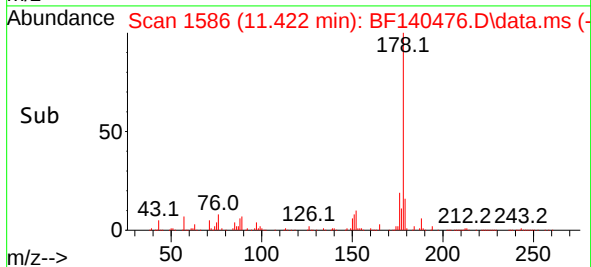
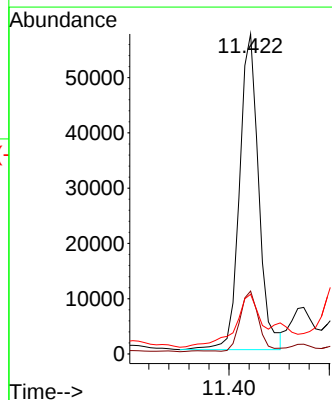
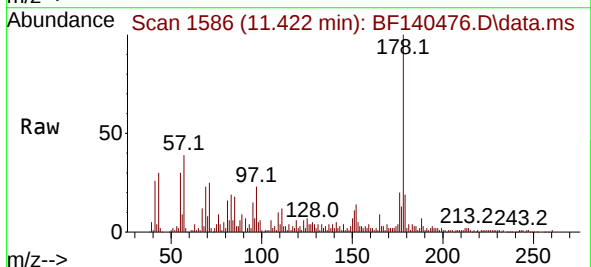
Instrument :
BNA_F
ClientSampleId :
EO-02-11152024

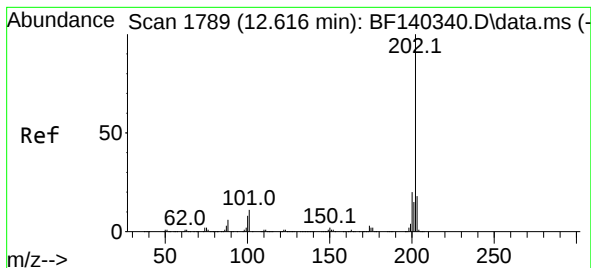
Tgt Ion:178 Resp: 75989
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 18.7 12.4 18.6#



#72
Anthracene
Concen: 3.655 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.059 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Tgt Ion:178 Resp: 75989
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 18.7 12.6 18.8





#75

Fluoranthene

Concen: 2.061 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

Instrument :

BNA_F

ClientSampleId :

EO-02-11152024

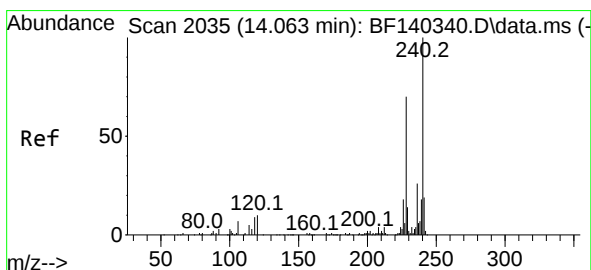
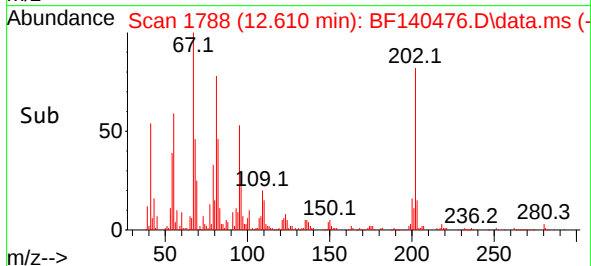
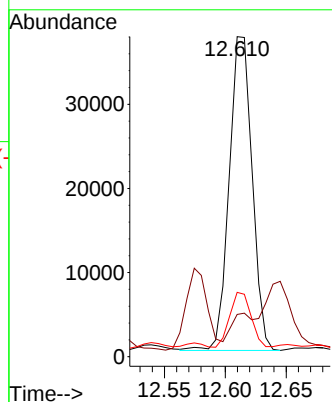
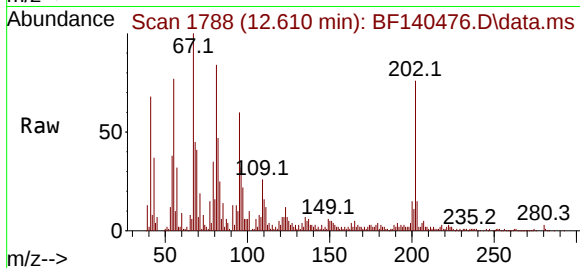
Tgt Ion:202 Resp: 49053

Ion Ratio Lower Upper

202 100

101 13.2 0.0 30.7

203 20.1 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

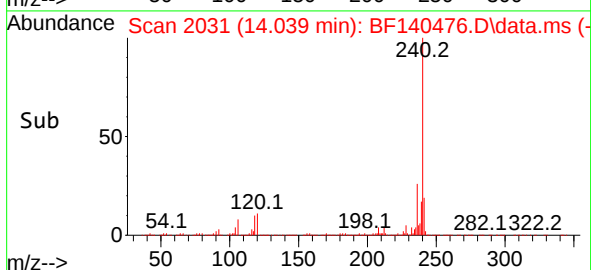
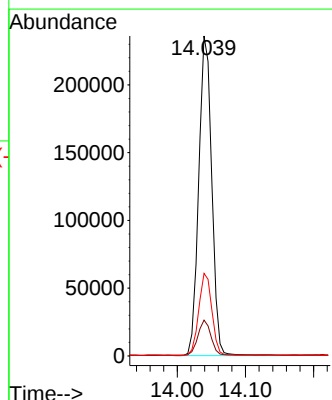
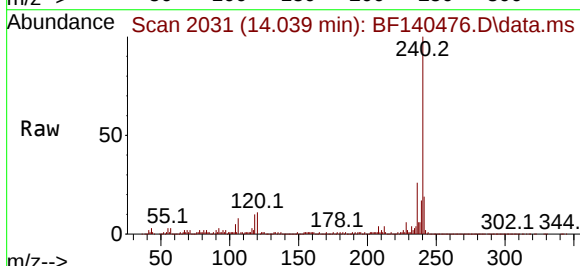
Tgt Ion:240 Resp: 312203

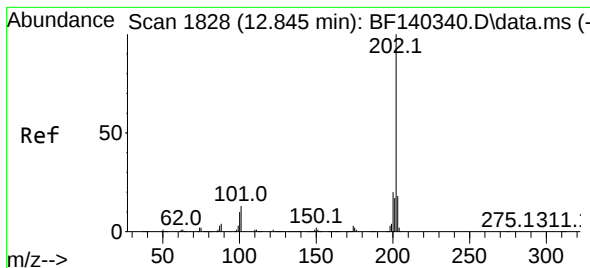
Ion Ratio Lower Upper

240 100

120 11.2 8.8 13.2

236 25.8 20.9 31.3





#78

Pyrene

Concen: 2.093 ng

RT: 12.845 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

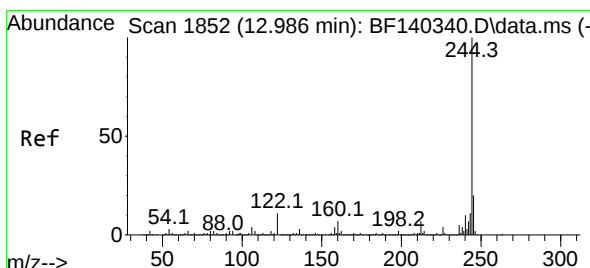
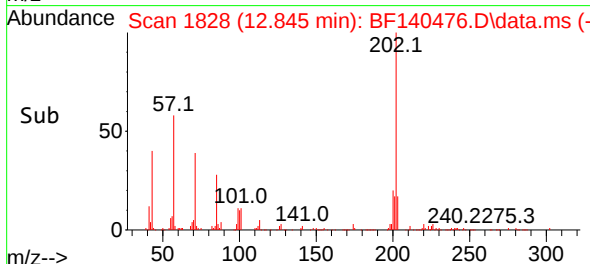
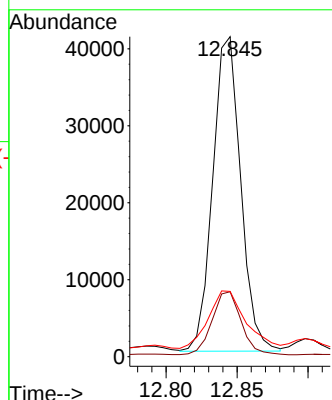
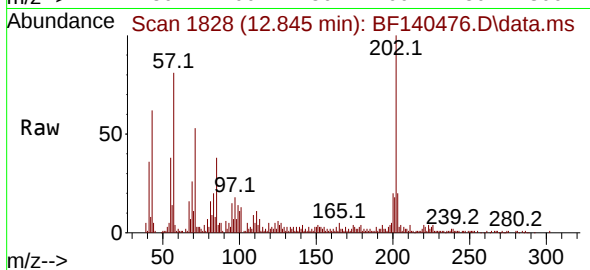
Instrument :

BNA_F

ClientSampleId :

EO-02-11152024

Tgt Ion:	202	Resp:	55903
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.2
203	20.4	14.2	21.4



#79

Terphenyl-d14

Concen: 11.652 ng

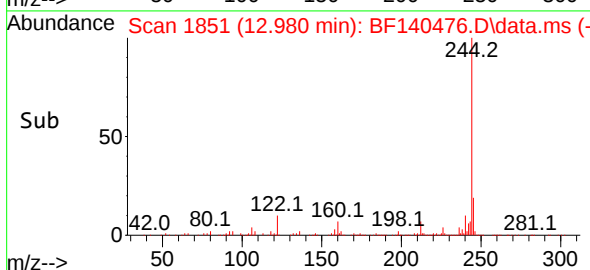
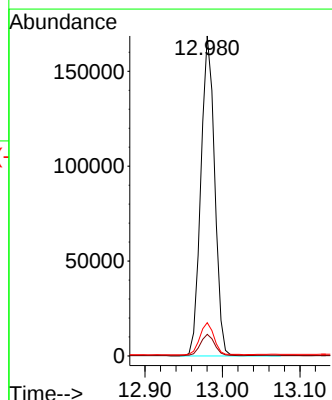
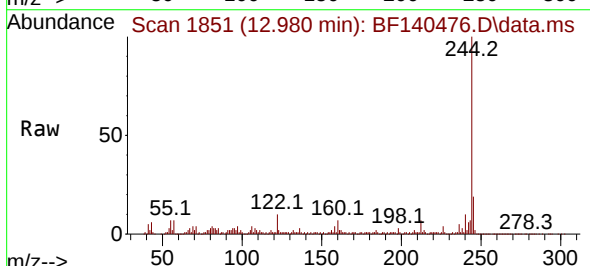
RT: 12.980 min Scan# 1851

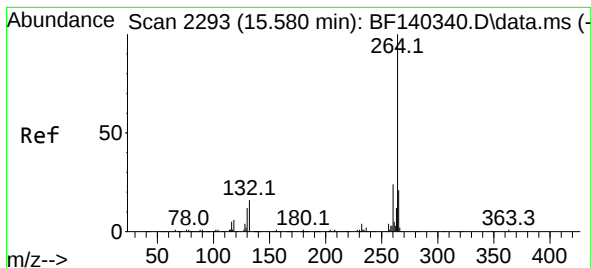
Delta R.T. -0.006 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

Tgt Ion:	244	Resp:	209570
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.8
122	10.4	8.8	13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

Instrument :

BNA_F

ClientSampleId :

EO-02-11152024

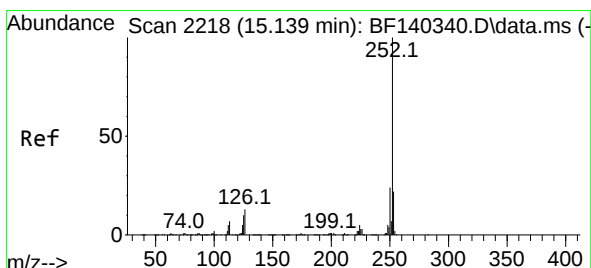
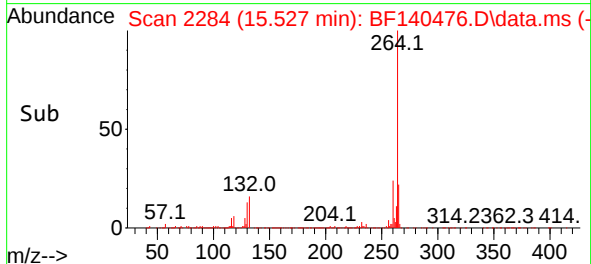
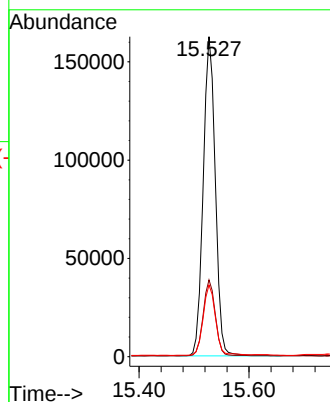
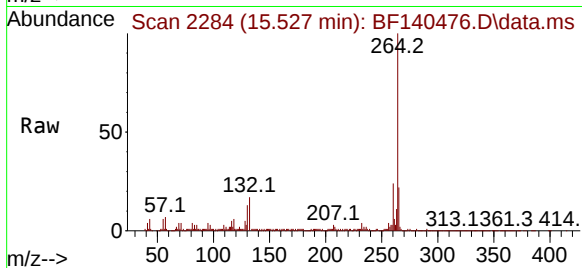
Tgt Ion:264 Resp: 248198

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 22.4 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.343 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.024 min

Lab File: BF140476.D

Acq: 19 Nov 2024 16:24

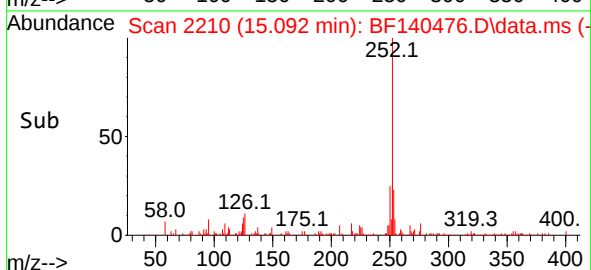
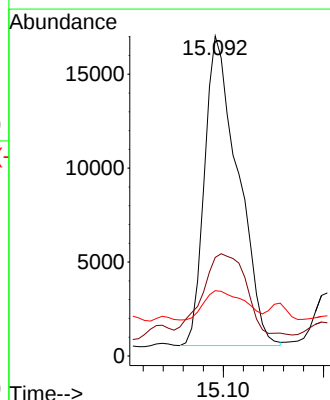
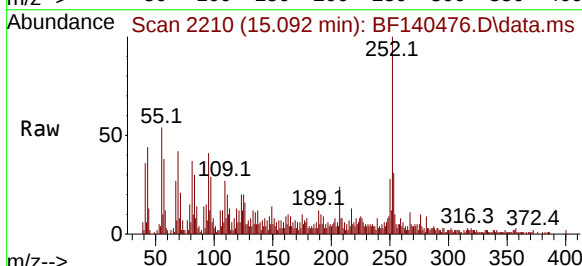
Tgt Ion:252 Resp: 38046

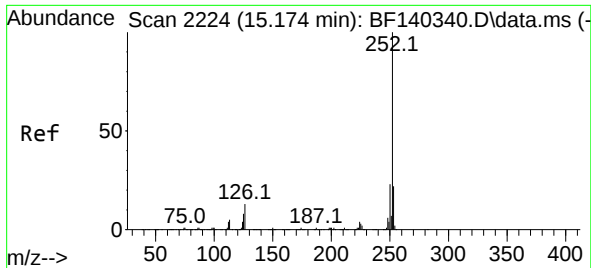
Ion Ratio Lower Upper

252 100

253 30.8 17.5 26.3#

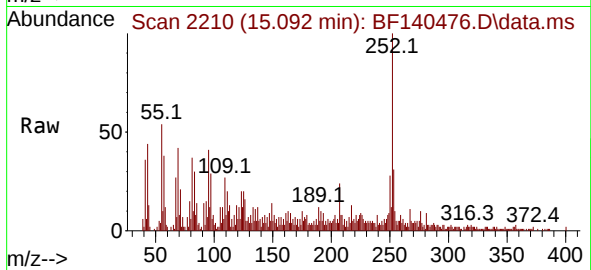
125 20.4 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 2.868 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.059 min
Lab File: BF140476.D
Acq: 19 Nov 2024 16:24

Instrument :
BNA_F
ClientSampleId :
EO-02-11152024



Tgt Ion:252 Resp: 38046
Ion Ratio Lower Upper
252 100
253 30.8 17.3 25.9#
125 20.4 7.4 11.2#

