

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139611.D
 Acq On : 02 Oct 2024 17:21
 Operator : RC/JU
 Sample : P4234-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-093024

Quant Time: Oct 02 18:09:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

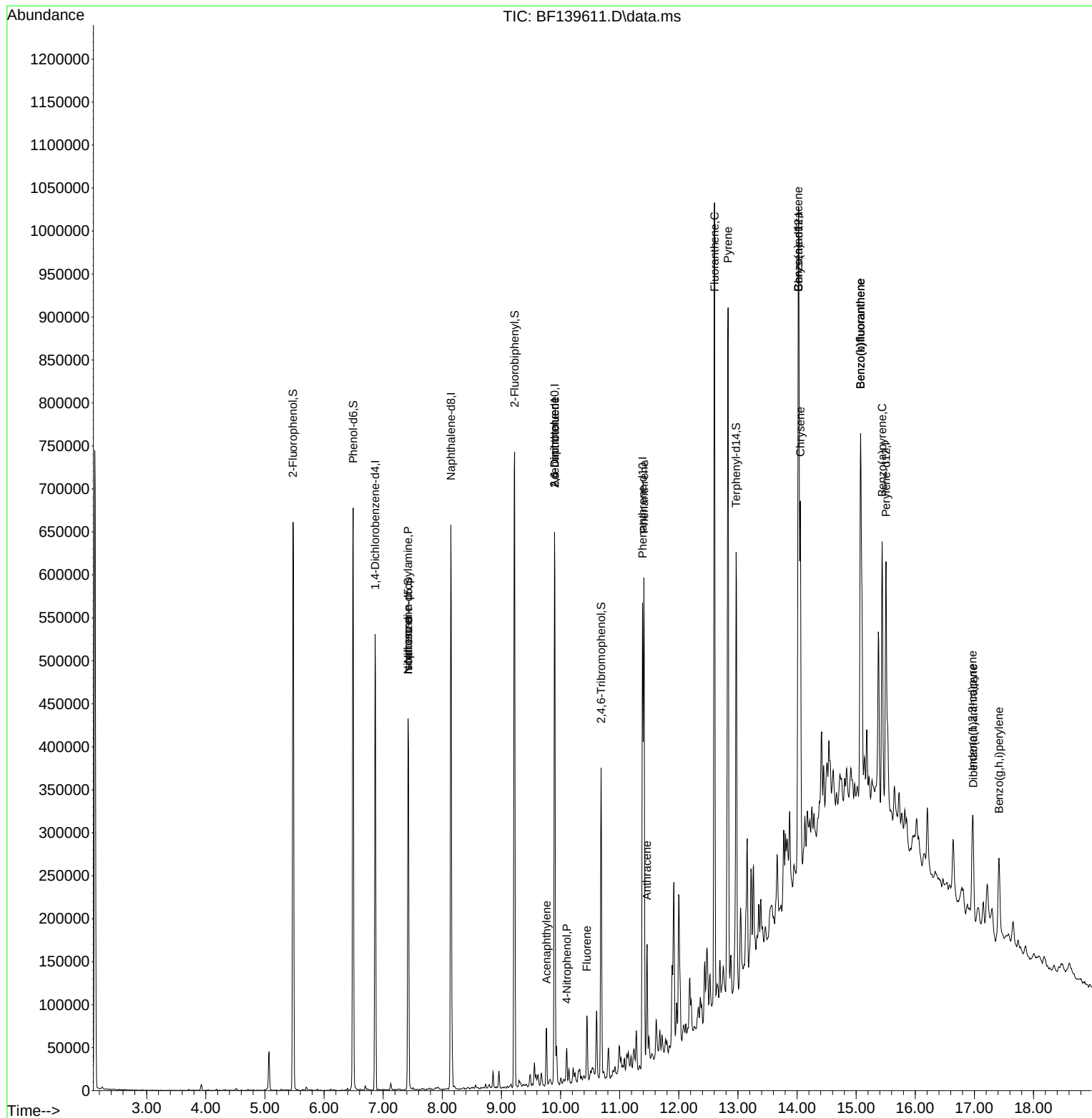
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	104964	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	378018	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	186331	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	274958	20.000	ng	0.00
76) Chrysene-d12	14.027	240	195209	20.000	ng	0.00
86) Perylene-d12	15.504	264	165501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	218601	36.097	ng	-0.01
7) Phenol-d6	6.493	99	282342	34.669	ng	-0.01
23) Nitrobenzene-d5	7.422	82	177353	23.754	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	47843	26.598	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	318462	26.238	ng	0.00
79) Terphenyl-d14	12.969	244	236980	19.919	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	23917	4.568	ng	# 79
25) Isophorone	7.422	82	176067	13.277	ng	# 66
49) Acenaphthylene	9.763	152	36236	2.293	ng	100
51) 2,6-Dinitrotoluene	9.898	165	25538	9.269	ng	# 18
56) 4-Nitrophenol	10.104	139	6028	2.807	ng	# 4
57) 2,4-Dinitrotoluene	9.898	165	25538	7.091	ng	# 18
58) Fluorene	10.445	166	29466	2.436	ng	98
71) Phenanthrene	11.410	178	286643	22.110	ng	100
72) Anthracene	11.463	178	77269	6.025	ng	99
75) Fluoranthene	12.604	202	531515	37.504	ng	99
78) Pyrene	12.833	202	469590	26.896	ng	99
81) Benzo(a)anthracene	14.021	228	288614	22.488	ng	93
83) Chrysene	14.057	228	216510	18.452	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	90319	9.272	ng	96
88) Benzo(b)fluoranthene	15.074	252	364855	34.095	ng	# 96
89) Benzo(k)fluoranthene	15.074	252	364855	40.194	ng	# 96
90) Benzo(a)pyrene	15.439	252	176830	20.957	ng	98
91) Dibenzo(a,h)anthracene	16.980	278	23050	2.853	ng	# 84
92) Benzo(g,h,i)perylene	17.415	276	84378	10.413	ng	99

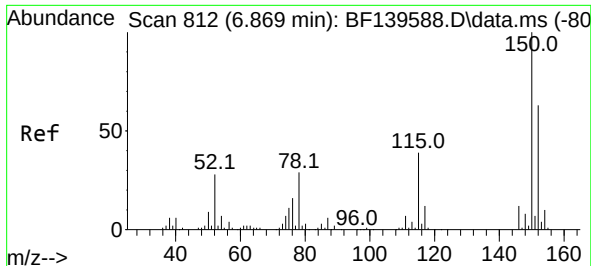
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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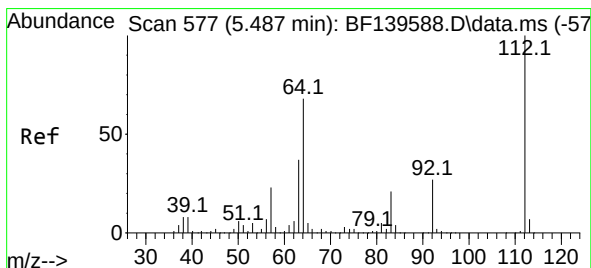
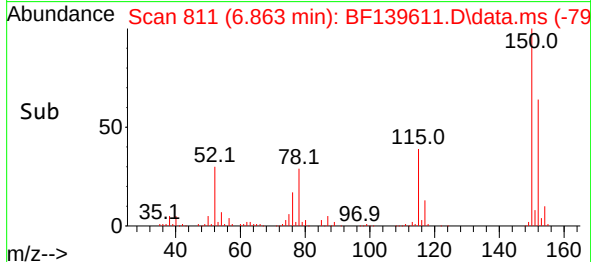
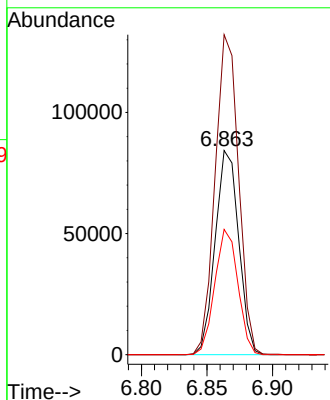
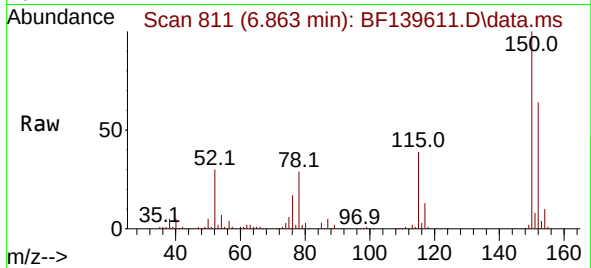




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

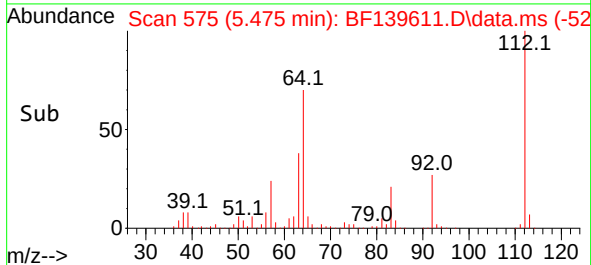
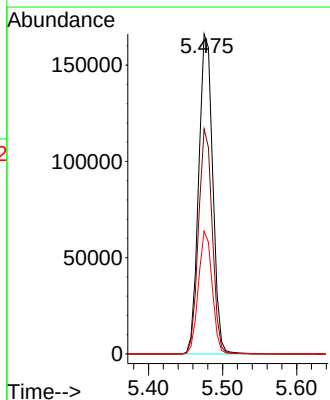
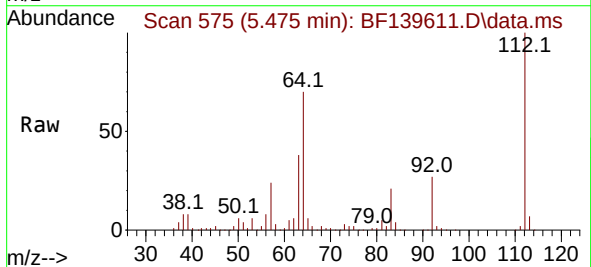
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

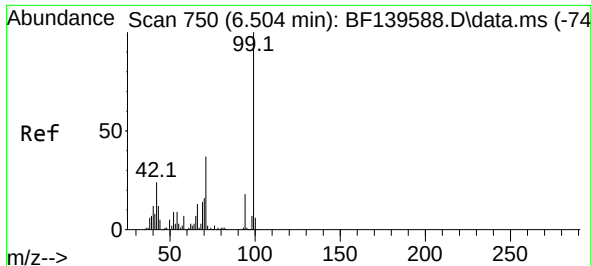
Tgt Ion:152 Resp: 104964
Ion Ratio Lower Upper
152 100
150 156.8 127.2 190.8
115 61.4 49.0 73.4



#5
2-Fluorophenol
Concen: 36.097 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:112 Resp: 218601
Ion Ratio Lower Upper
112 100
64 70.4 54.2 81.4
63 38.4 29.4 44.2

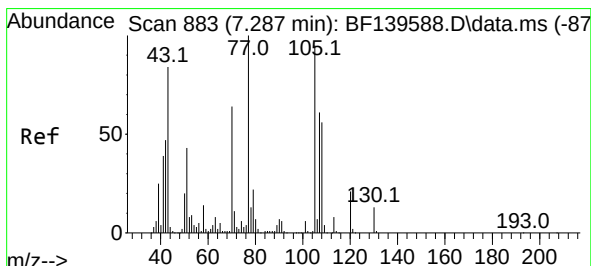
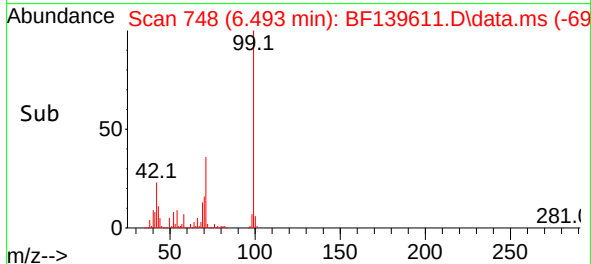
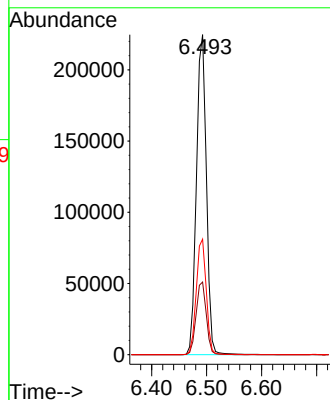
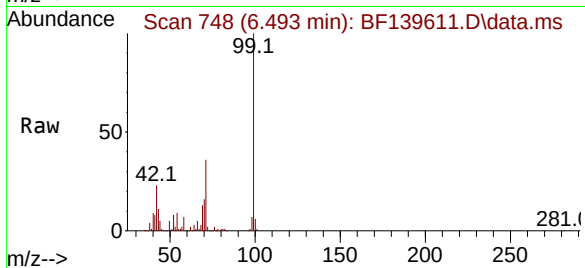




#7
Phenol-d6
Concen: 34.669 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

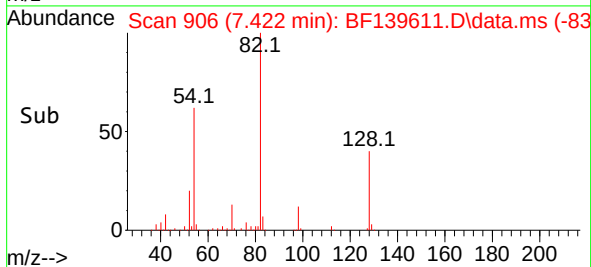
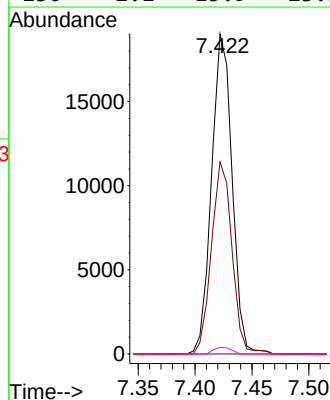
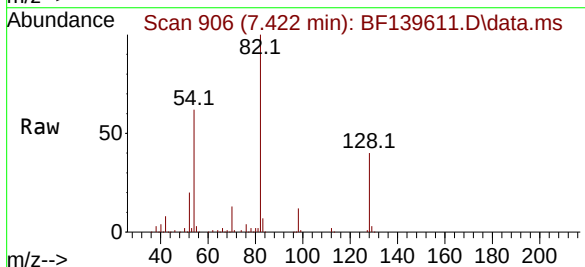
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

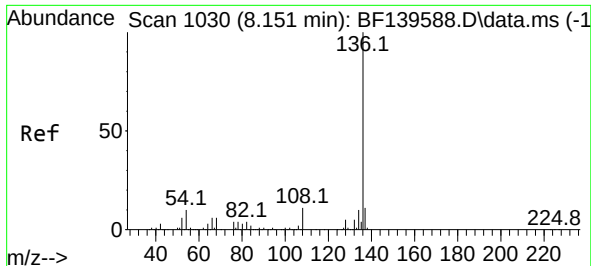
Tgt Ion: 99 Resp: 282342
Ion Ratio Lower Upper
99 100
42 22.7 19.1 28.7
71 36.1 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 4.568 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion: 70 Resp: 23917
Ion Ratio Lower Upper
70 100
42 60.0 58.0 87.0
101 0.0 7.8 11.8#
130 2.1 15.9 23.9#

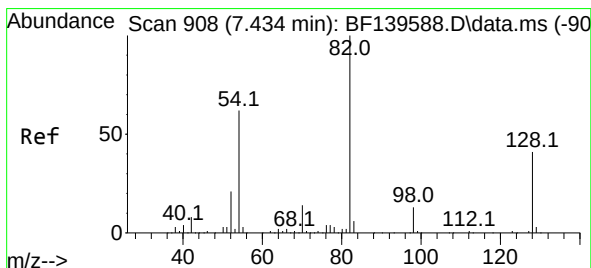
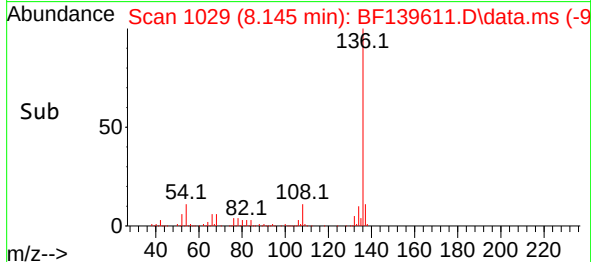
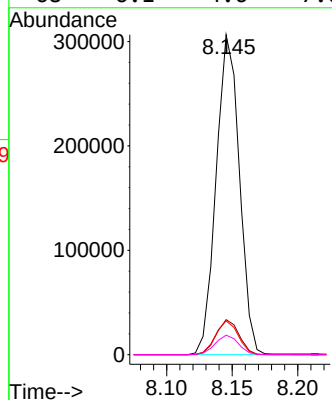
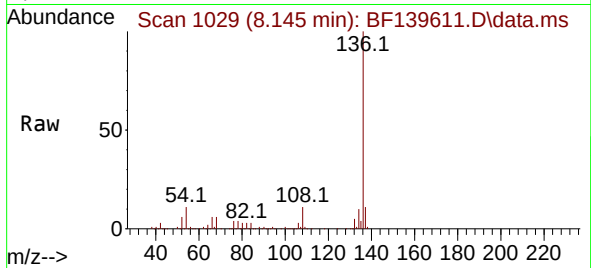




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

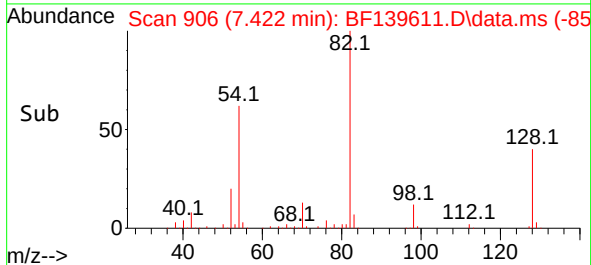
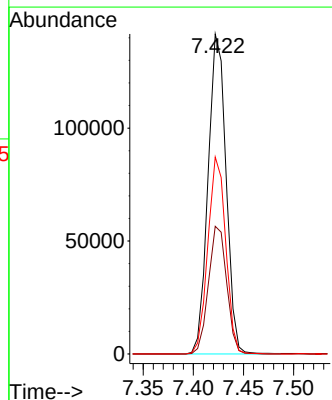
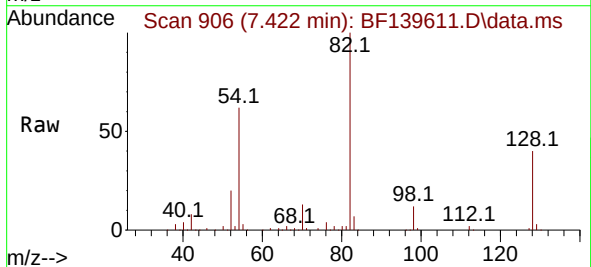
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

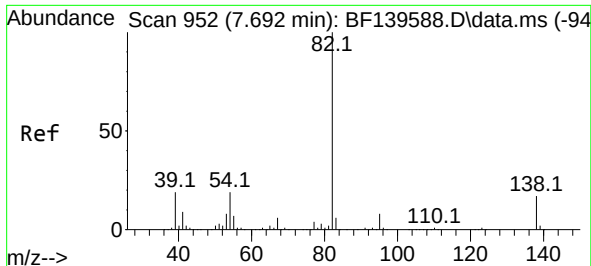
Tgt Ion:	136	Resp:	378018
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.6	8.3	12.5
68	6.1	4.6	7.0



#23
Nitrobenzene-d5
Concen: 23.754 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:	82	Resp:	177353
Ion	Ratio	Lower	Upper
82	100		
128	39.9	32.4	48.6
54	61.6	49.1	73.7

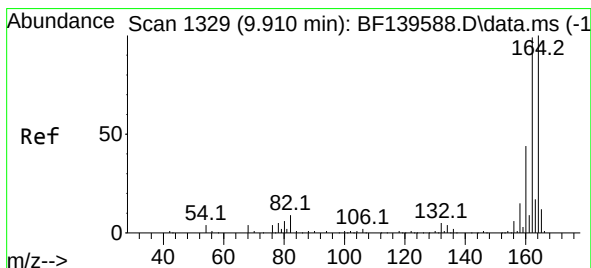
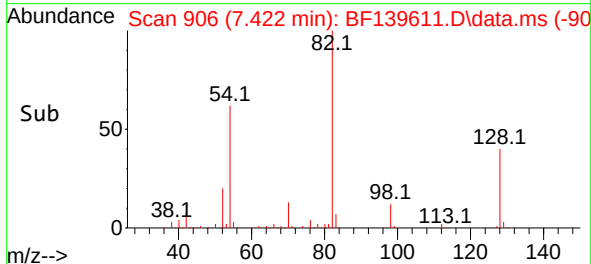
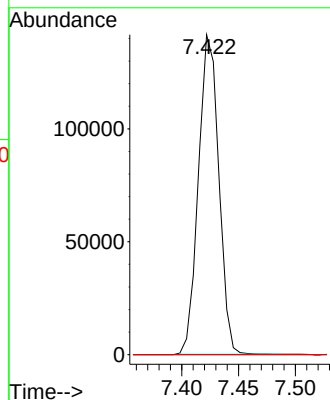
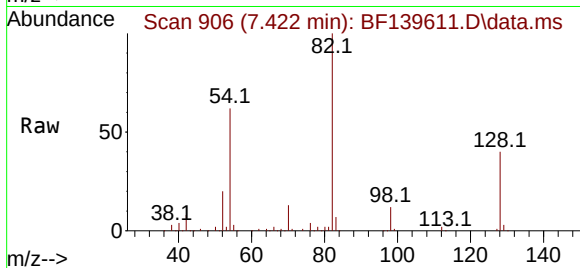




#25
Isophorone
Concen: 13.277 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

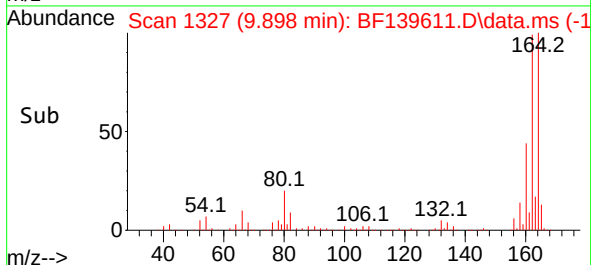
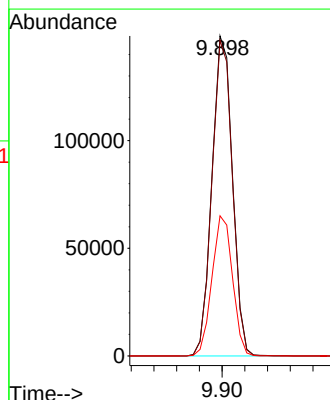
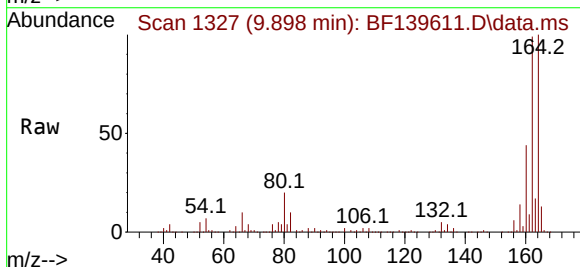
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

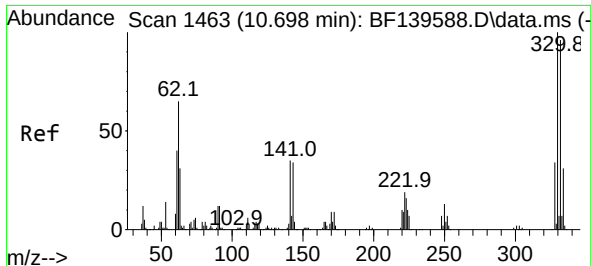
Tgt Ion: 82 Resp: 176067
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:164 Resp: 186331
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 43.8 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 26.598 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139611.D

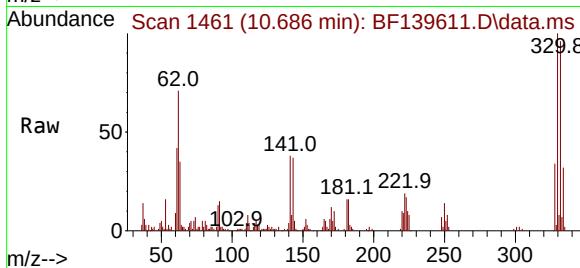
Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024



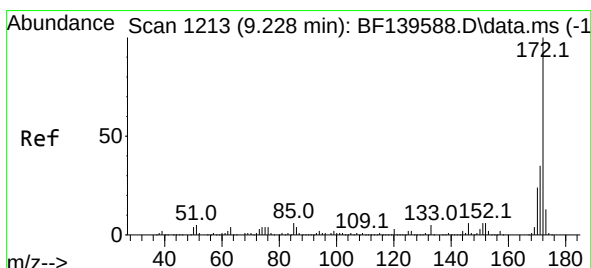
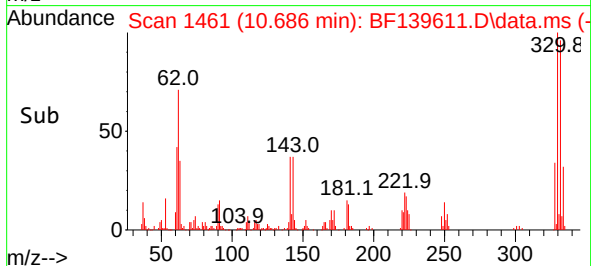
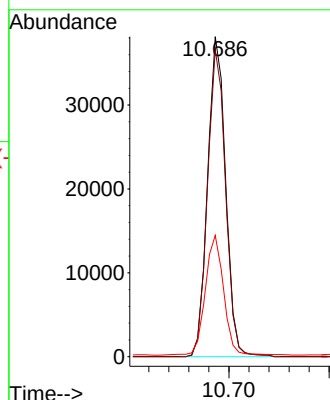
Tgt Ion:330 Resp: 47843

Ion Ratio Lower Upper

330 100

332 96.1 76.5 114.7

141 39.6 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 26.238 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

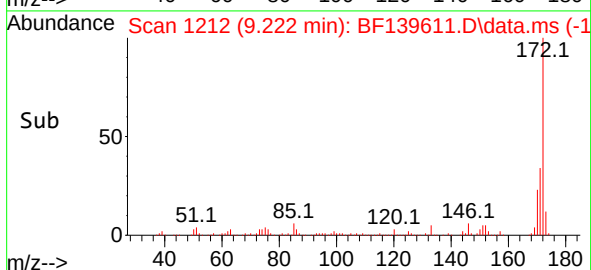
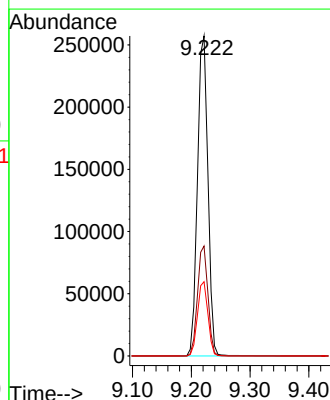
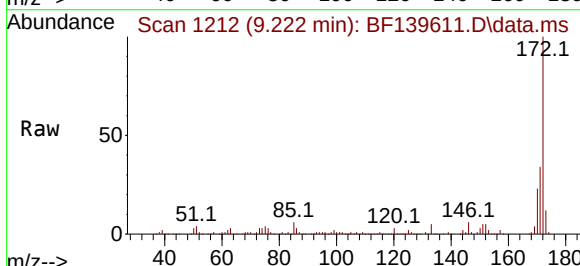
Tgt Ion:172 Resp: 318462

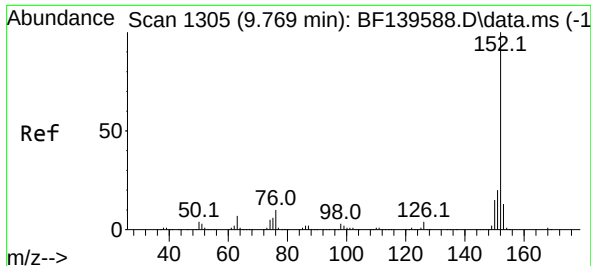
Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.4

170 23.2 18.8 28.2





#49

Acenaphthylene

Concen: 2.293 ng

RT: 9.763 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

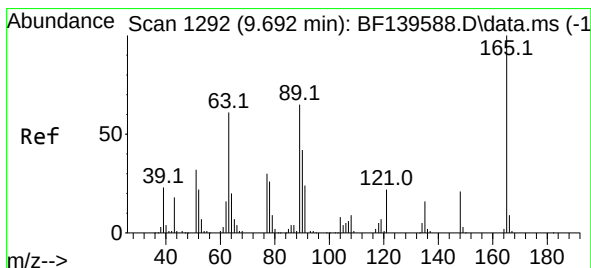
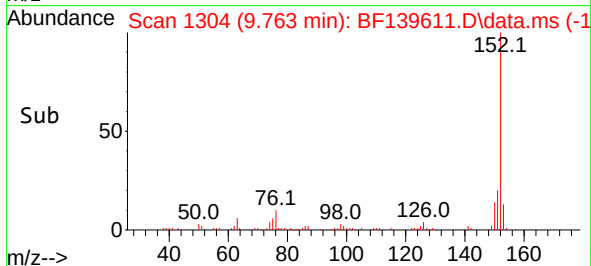
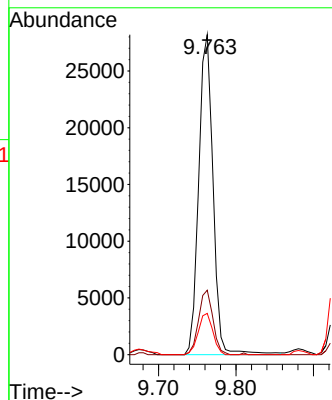
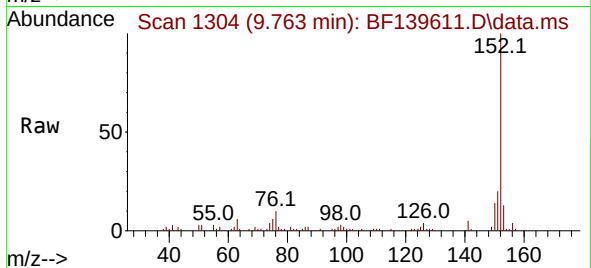
Tgt Ion:152 Resp: 36236

Ion Ratio Lower Upper

152 100

151 20.2 16.0 24.0

153 12.9 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 9.269 ng

RT: 9.898 min Scan# 1327

Delta R.T. 0.206 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

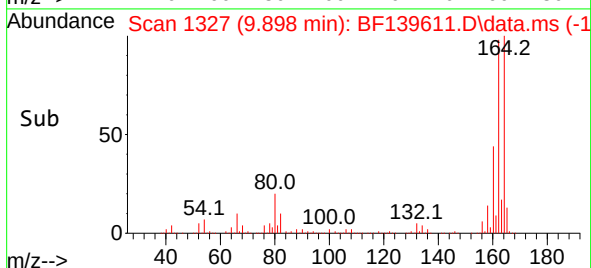
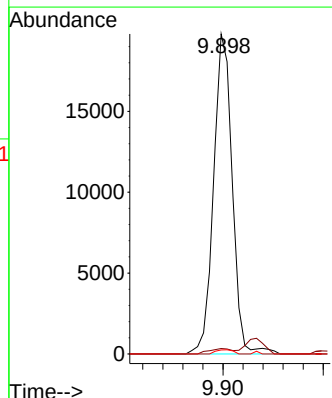
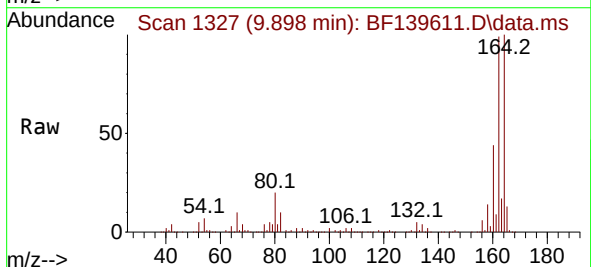
Tgt Ion:165 Resp: 25538

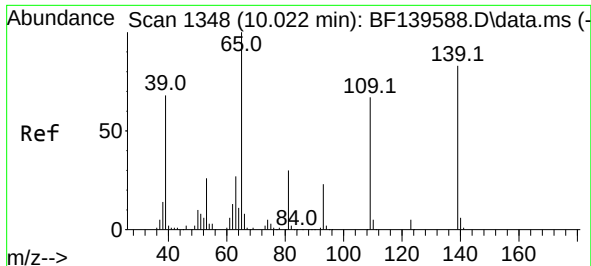
Ion Ratio Lower Upper

165 100

63 1.7 56.7 85.1#

89 1.3 51.6 77.4#

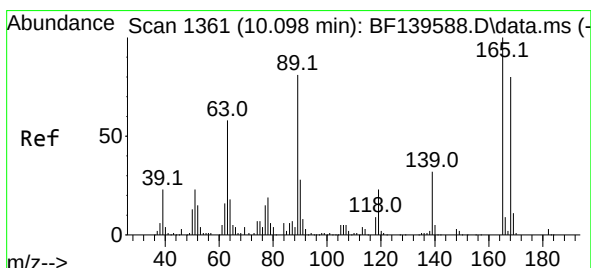
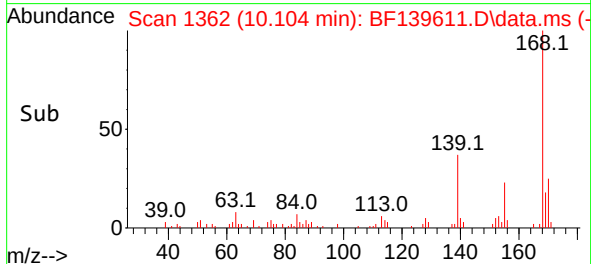
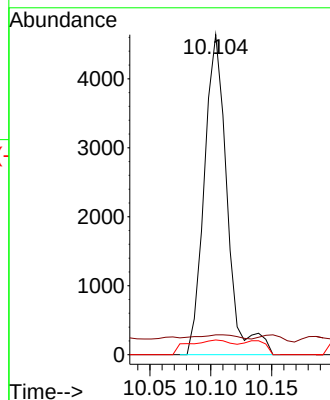
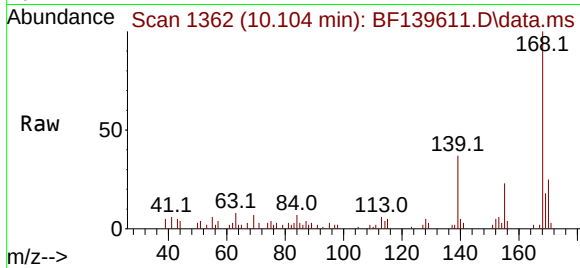




#56
4-Nitrophenol
Concen: 2.807 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

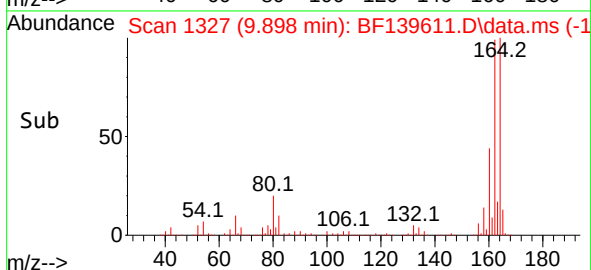
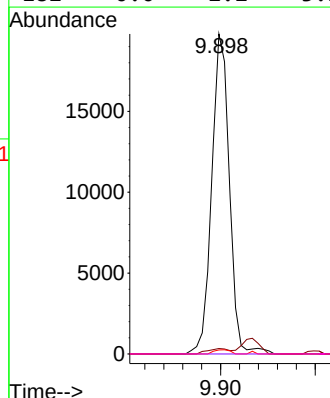
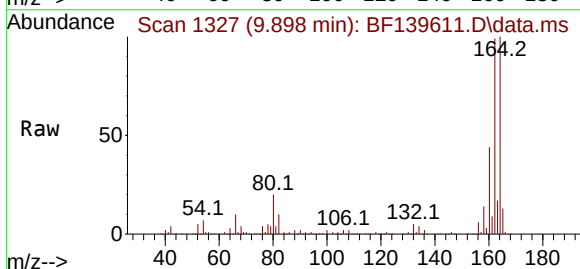
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

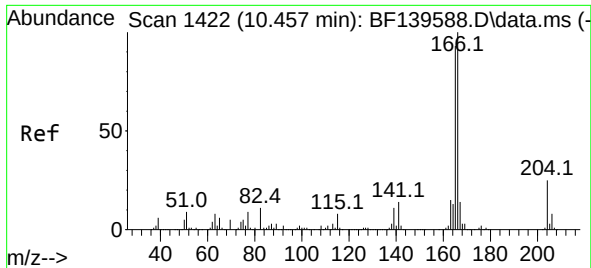
Tgt Ion:139 Resp: 6028
Ion Ratio Lower Upper
139 100
109 6.2 60.3 100.3#
65 4.6 100.8 140.8#



#57
2,4-Dinitrotoluene
Concen: 7.091 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.200 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:165 Resp: 25538
Ion Ratio Lower Upper
165 100
63 1.7 46.9 70.3#
89 1.3 64.4 96.6#
182 0.0 2.2 3.2#

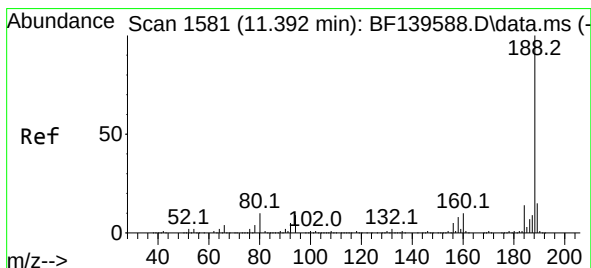
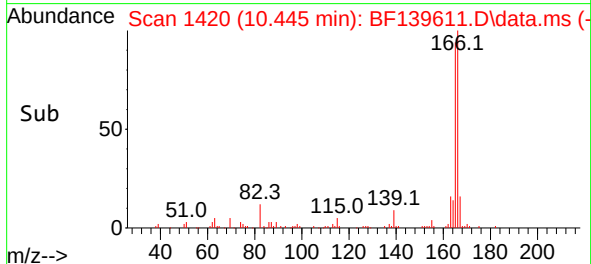
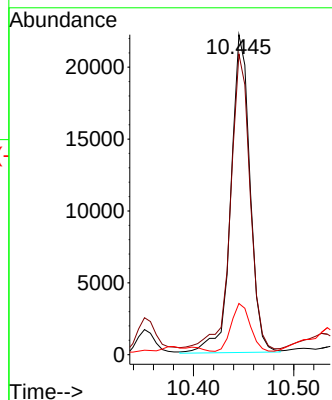
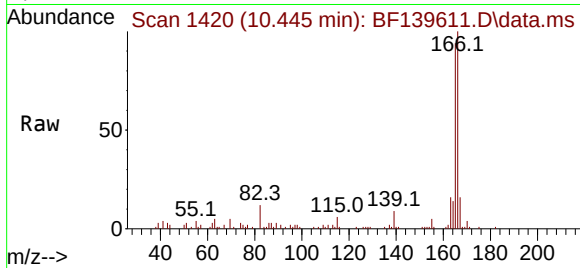




#58
 Fluorene
 Concen: 2.436 ng
 RT: 10.445 min Scan# 1422
 Delta R.T. -0.012 min
 Lab File: BF139611.D
 Acq: 02 Oct 2024 17:21

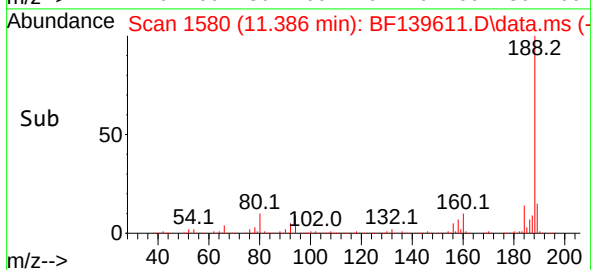
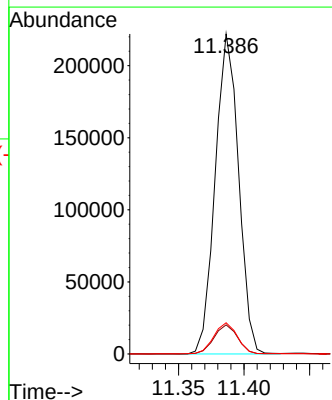
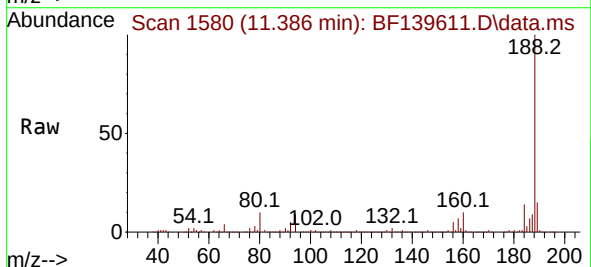
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-093024

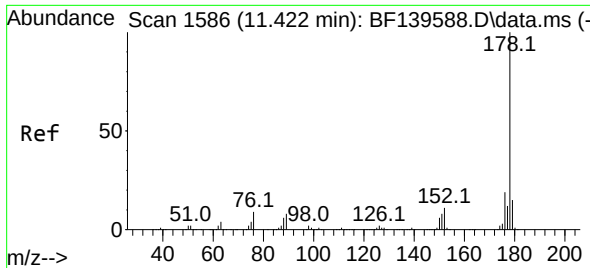
Tgt Ion:166 Resp: 29466
 Ion Ratio Lower Upper
 166 100
 165 93.9 74.4 111.6
 167 16.0 10.9 16.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.386 min Scan# 1580
 Delta R.T. -0.006 min
 Lab File: BF139611.D
 Acq: 02 Oct 2024 17:21

Tgt Ion:188 Resp: 274958
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.4 11.2
 80 9.8 8.2 12.2

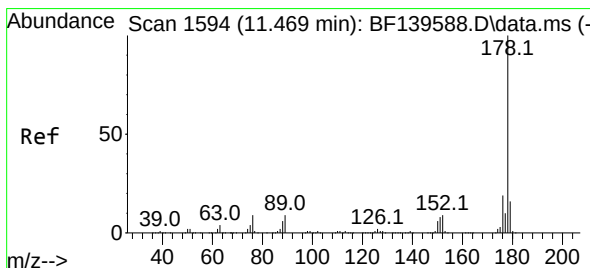
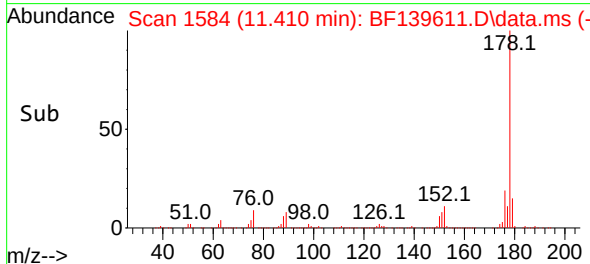
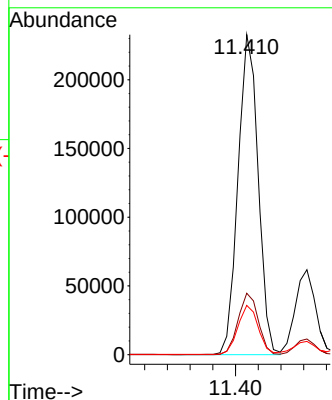
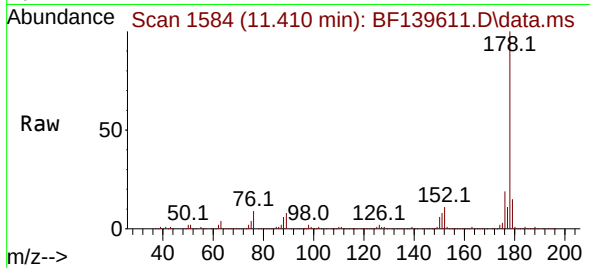




#71
Phenanthrene
Concen: 22.110 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

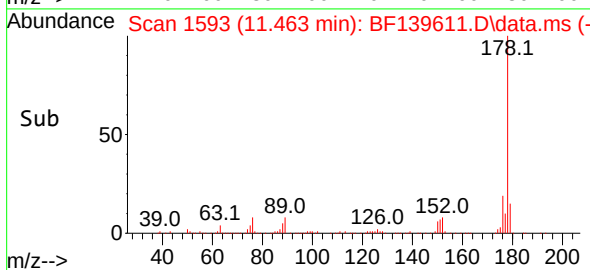
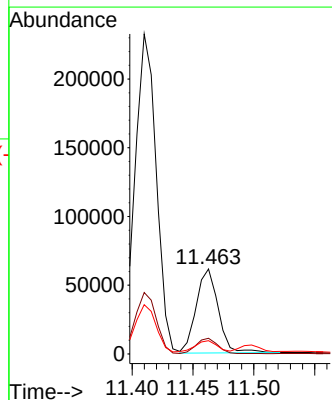
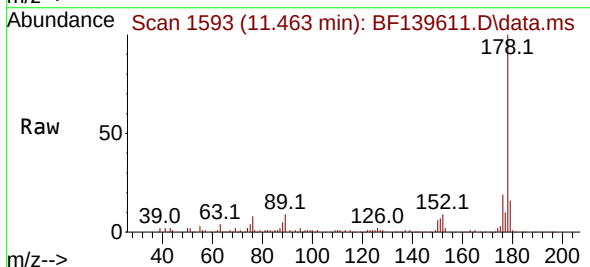
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

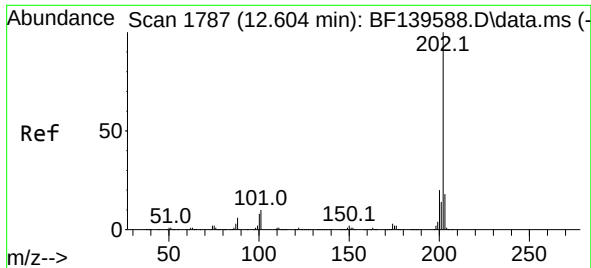
Tgt Ion:178 Resp: 286643
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.4 12.3 18.5



#72
Anthracene
Concen: 6.025 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:178 Resp: 77269
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.6 12.5 18.7

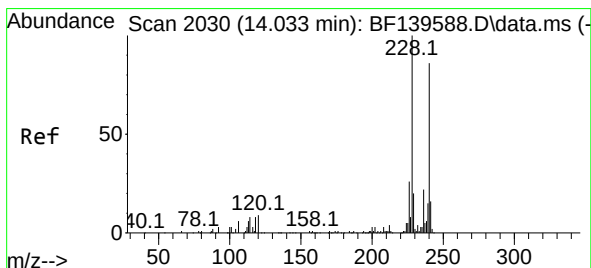
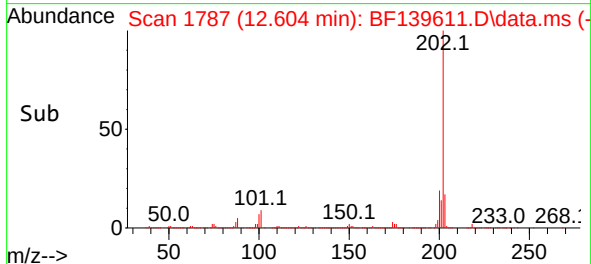
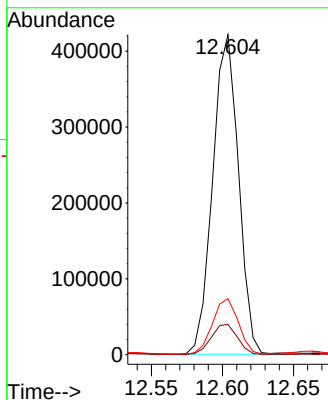
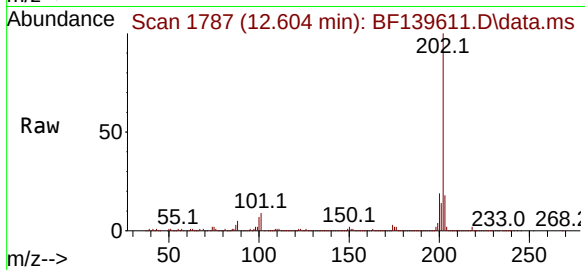




#75
Fluoranthene
Concen: 37.504 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

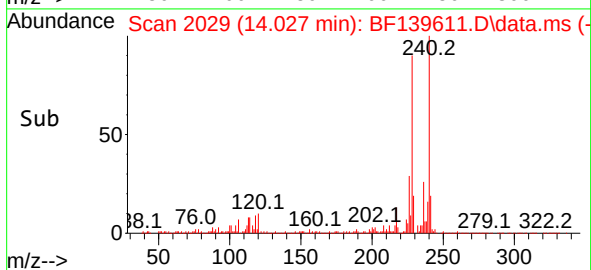
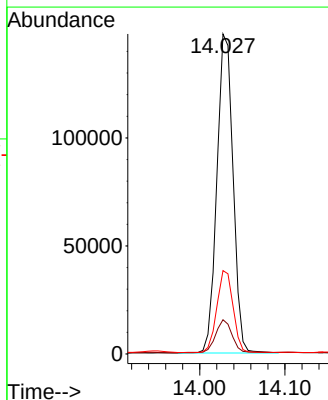
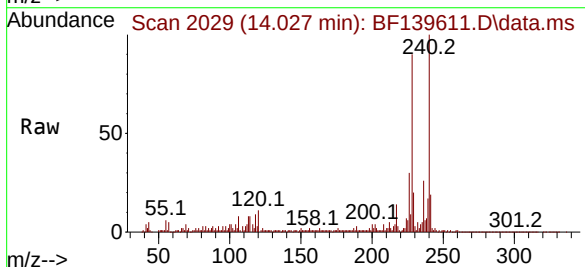
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

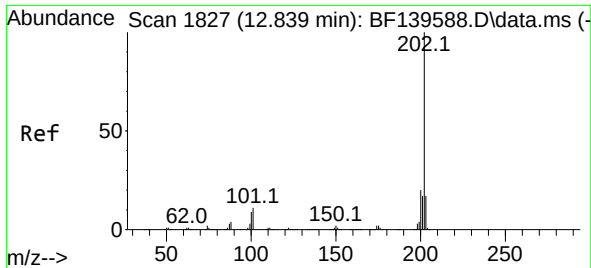
Tgt Ion:202 Resp: 531515
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:240 Resp: 195209
Ion Ratio Lower Upper
240 100
120 10.7 8.4 12.6
236 26.1 20.3 30.5

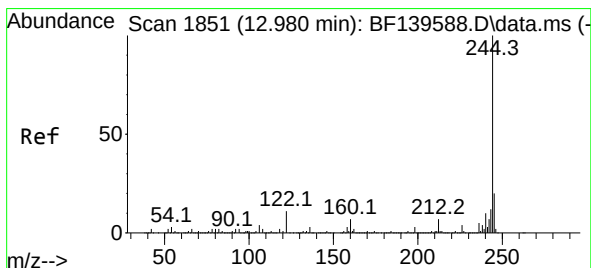
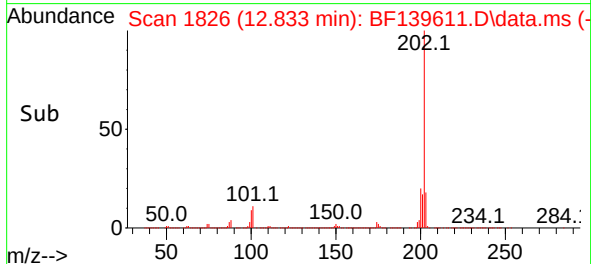
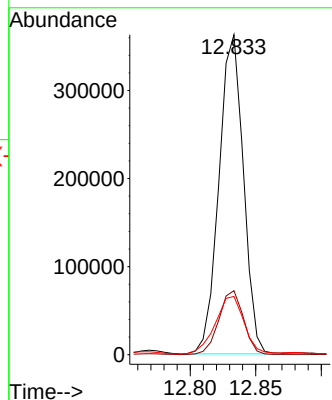
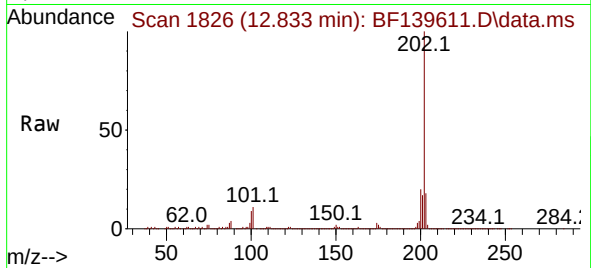




#78
Pyrene
Concen: 26.896 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

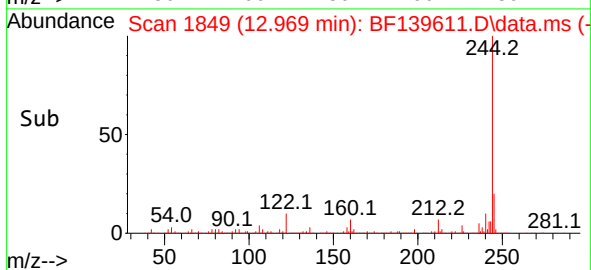
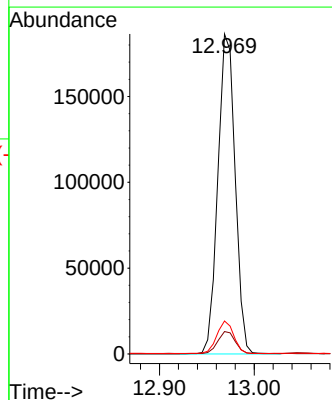
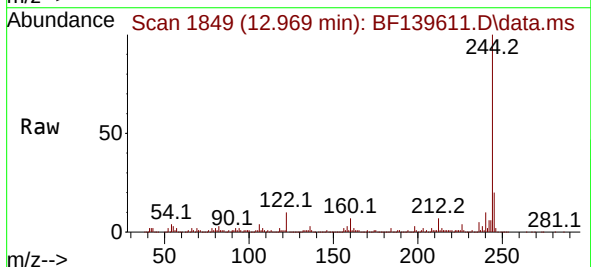
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

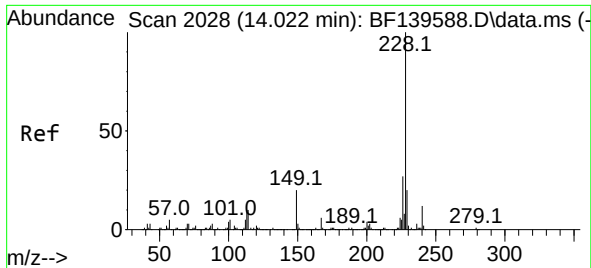
Tgt Ion:202 Resp: 469590
Ion Ratio Lower Upper
202 100
200 20.0 15.8 23.6
203 18.2 13.8 20.8



#79
Terphenyl-d14
Concen: 19.919 ng
RT: 12.969 min Scan# 1849
Delta R.T. -0.011 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:244 Resp: 236980
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 10.3 8.6 12.8

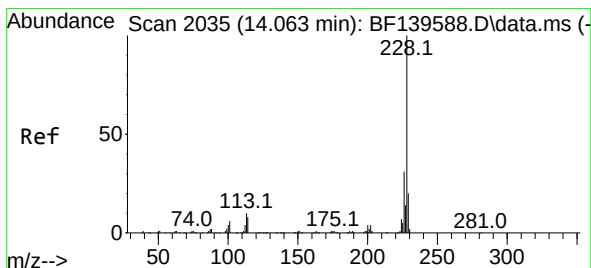
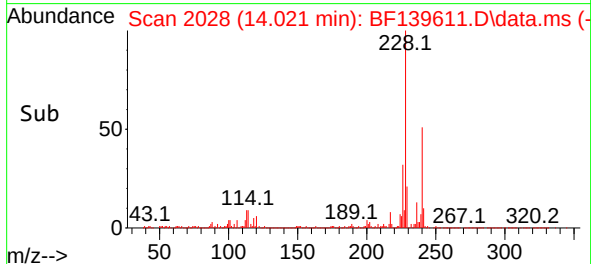
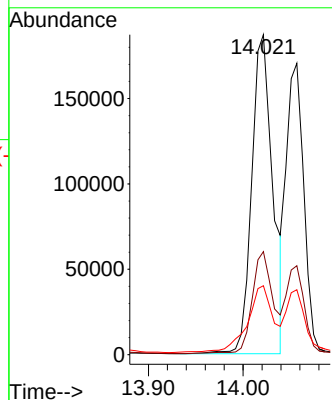
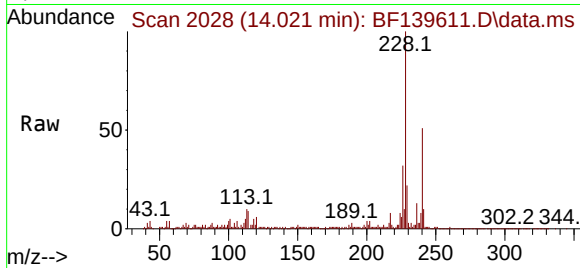




#81
Benzo(a)anthracene
Concen: 22.488 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

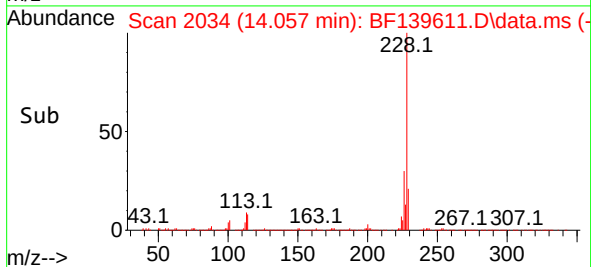
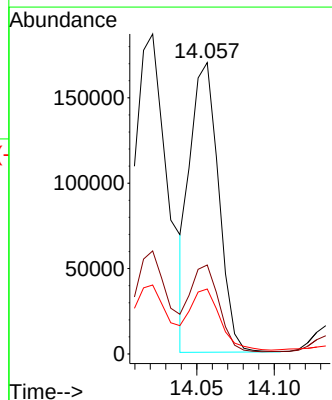
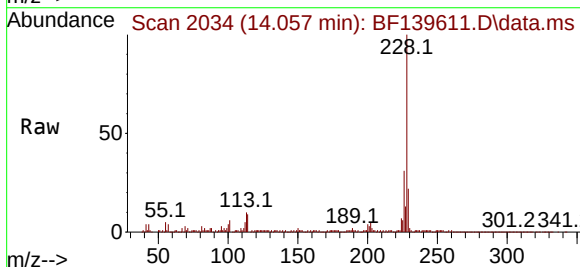
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

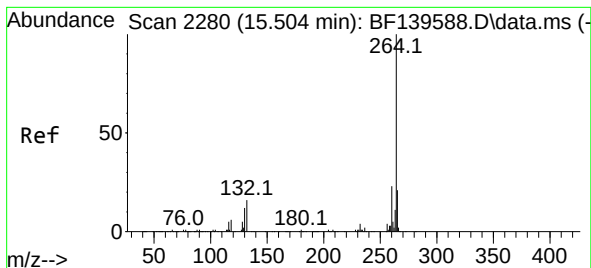
Tgt Ion:228 Resp: 288614
Ion Ratio Lower Upper
228 100
226 32.2 21.8 32.8
229 21.5 15.8 23.8



#83
Chrysene
Concen: 18.452 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Tgt Ion:228 Resp: 216510
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

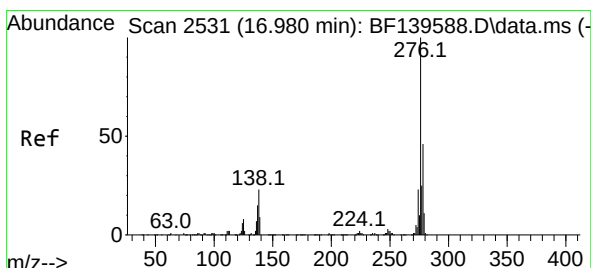
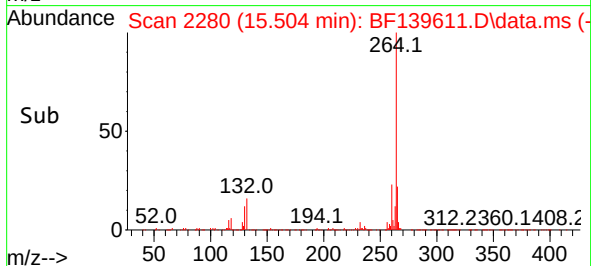
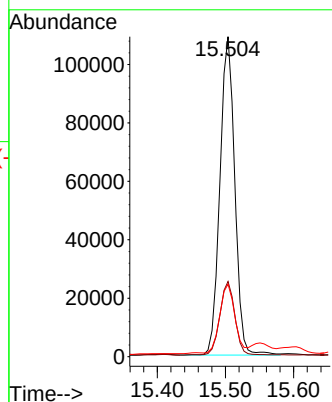
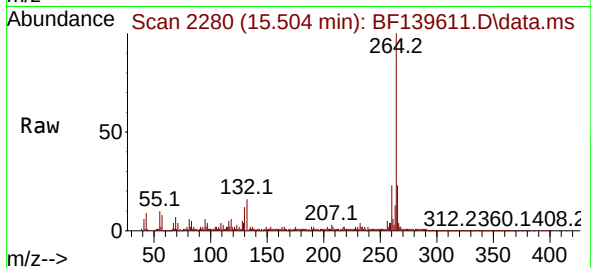
Tgt Ion:264 Resp: 165501

Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 22.6 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.272 ng

RT: 16.968 min Scan# 2529

Delta R.T. -0.012 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

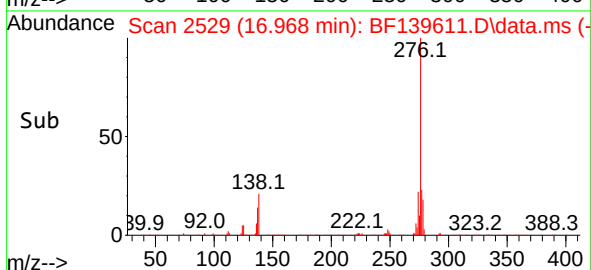
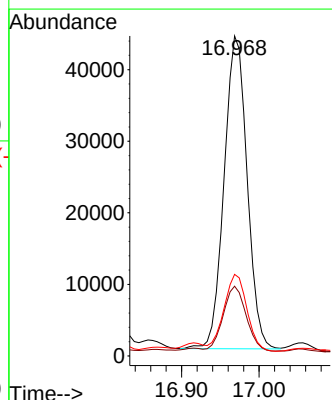
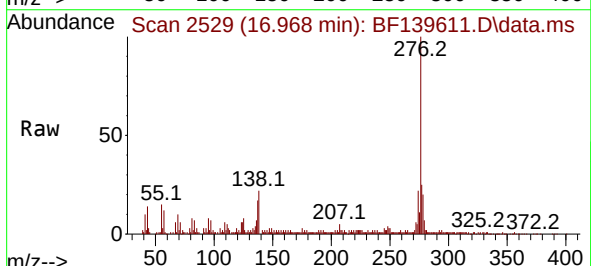
Tgt Ion:276 Resp: 90319

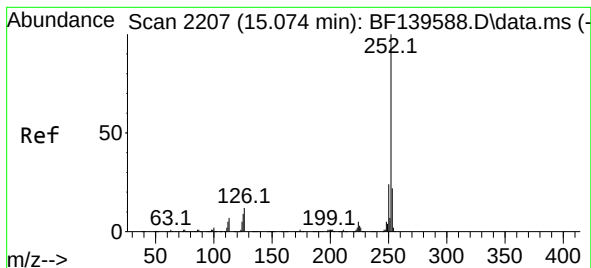
Ion Ratio Lower Upper

276 100

138 20.6 19.4 29.0

277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 34.095 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

Instrument :

BNA_F

ClientSampleId :

EO-02-093024

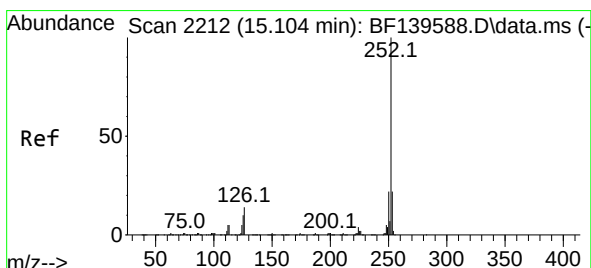
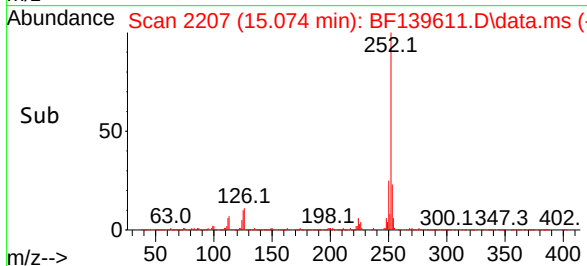
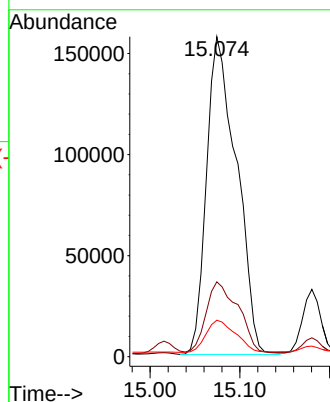
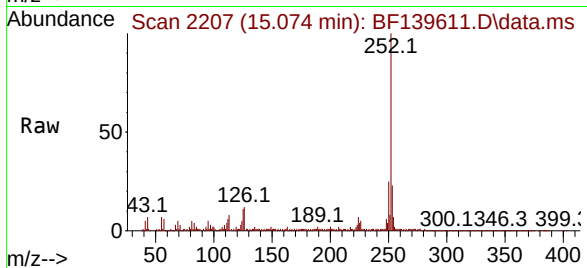
Tgt Ion:252 Resp: 364855

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 11.4 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 40.194 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.029 min

Lab File: BF139611.D

Acq: 02 Oct 2024 17:21

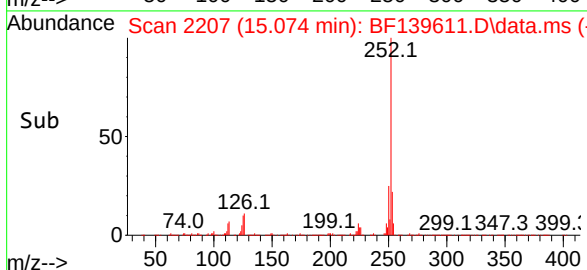
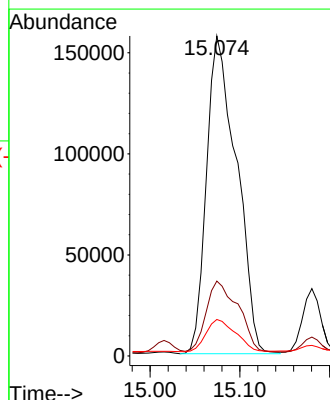
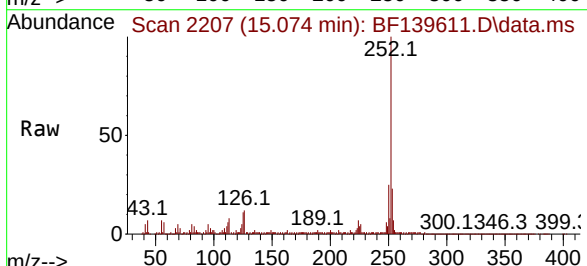
Tgt Ion:252 Resp: 364855

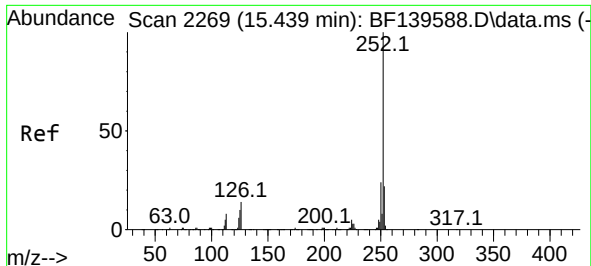
Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 11.4 7.6 11.4#

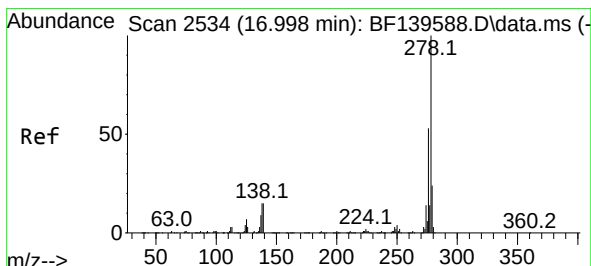
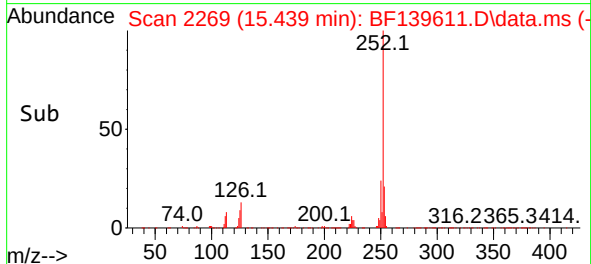
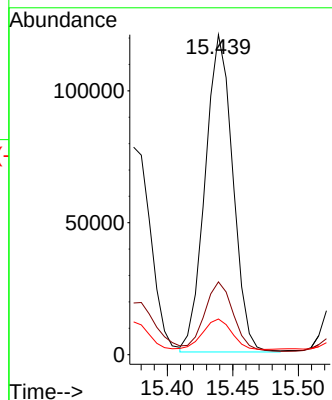
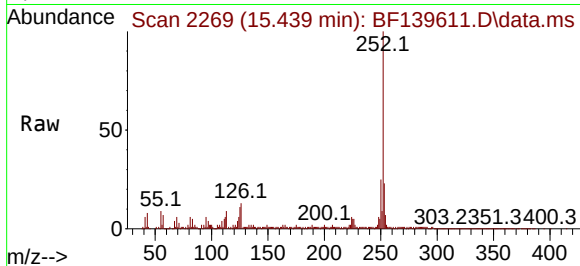




#90
Benzo(a)pyrene
Concen: 20.957 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

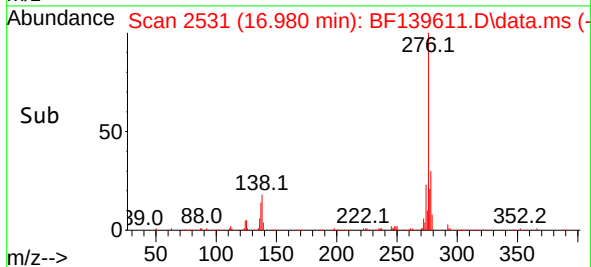
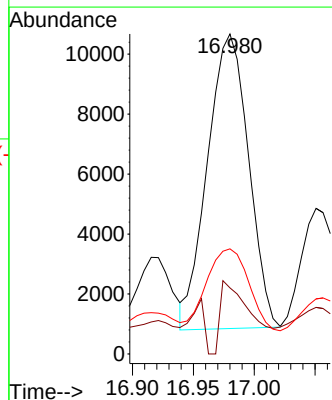
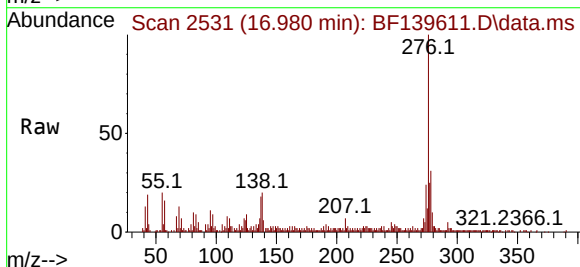
Instrument :
BNA_F
ClientSampleId :
EO-02-093024

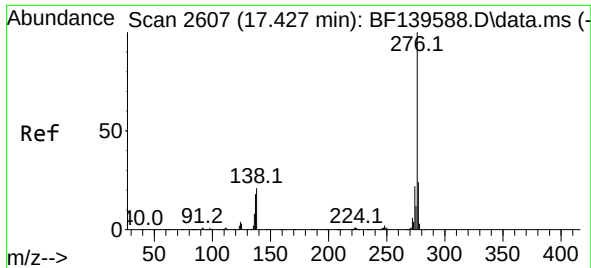
Tgt Ion:252 Resp: 176830
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 11.2 8.3 12.5



#91
Dibenzo(a,h)anthracene
Concen: 2.853 ng
RT: 16.980 min Scan# 2531
Delta R.T. -0.018 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

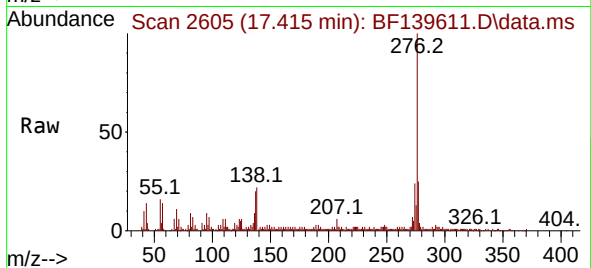
Tgt Ion:278 Resp: 23050
Ion Ratio Lower Upper
278 100
139 20.7 12.2 18.4#
279 32.8 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 10.413 ng
RT: 17.415 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF139611.D
Acq: 02 Oct 2024 17:21

Instrument :
BNA_F
ClientSampleId :
EO-02-093024



Tgt Ion:	276	Resp:	84378
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.6
138	21.5	17.0	25.6

