

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139826.D
 Acq On : 16 Oct 2024 12:42
 Operator : RC/JU
 Sample : P4395-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLID

Quant Time: Oct 16 13:03:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

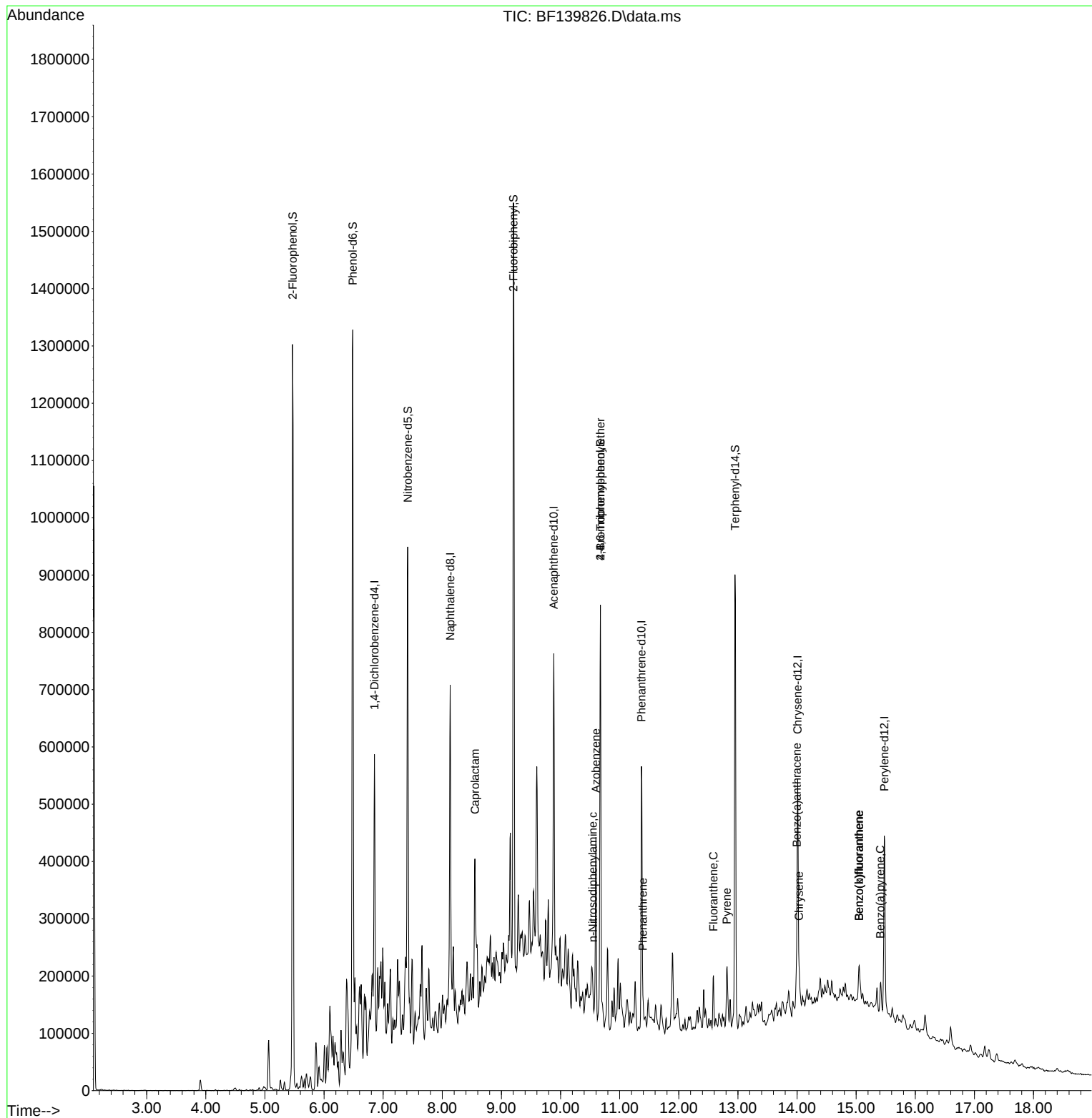
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	84185	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	307995	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	159578	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	242858	20.000	ng	0.00
76) Chrysene-d12	14.010	240	170041	20.000	ng	0.00
86) Perylene-d12	15.474	264	180026	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	452978	90.789	ng	0.00
7) Phenol-d6	6.487	99	575476	86.727	ng	0.00
23) Nitrobenzene-d5	7.416	82	363025	60.667	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	108460	80.588	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	589662	55.268	ng	0.00
79) Terphenyl-d14	12.951	244	383875	35.189	ng	0.00
Target Compounds						
					Qvalue	
35) Caprolactam	8.551	113	7919	6.553	ng	# 8
63) Azobenzene	10.598	77	72697	7.338	ng	# 1
66) n-Nitrosodiphenylamine	10.545	169	20783	2.705	ng	# 51
67) 4-Bromophenyl-phenylether	10.675	248	7445	2.845	ng	# 1
71) Phenanthrene	11.392	178	26224	2.261	ng	# 94
75) Fluoranthene	12.586	202	52390	4.787	ng	# 99
78) Pyrene	12.810	202	58730	3.513	ng	# 97
81) Benzo(a)anthracene	13.998	228	33903	3.002	ng	# 82
83) Chrysene	14.033	228	33560	3.260	ng	# 83
88) Benzo(b)fluoranthene	15.051	252	50857	4.925	ng	# 88
89) Benzo(k)fluoranthene	15.051	252	50857	5.550	ng	# 89
90) Benzo(a)pyrene	15.410	252	27001	2.994	ng	# 87

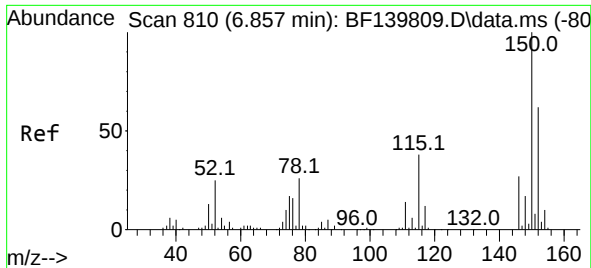
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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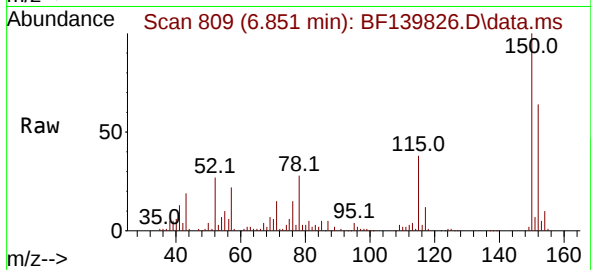
Quant Time: Oct 16 13:03:31 2024
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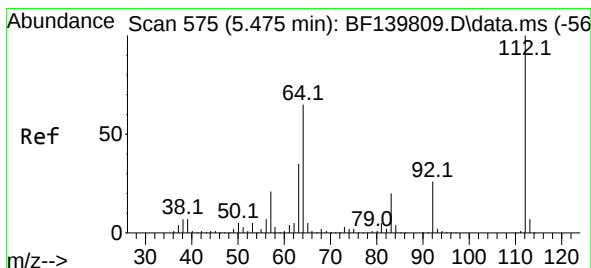
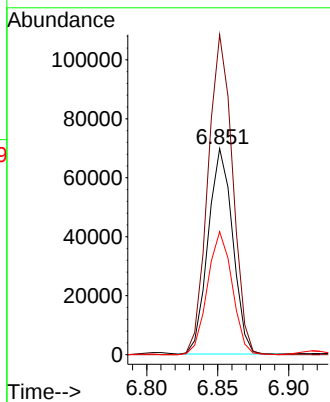
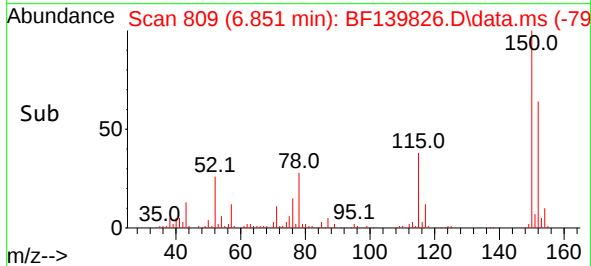


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

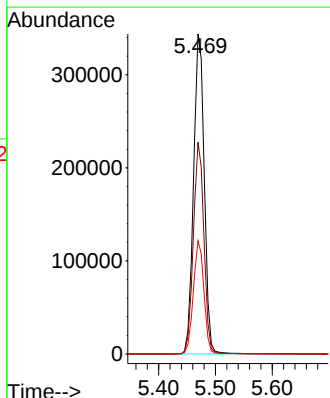
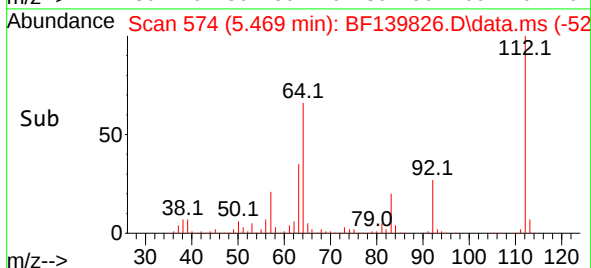
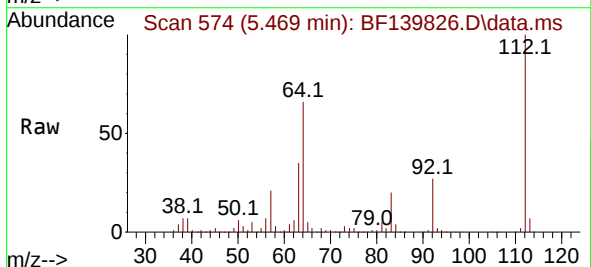


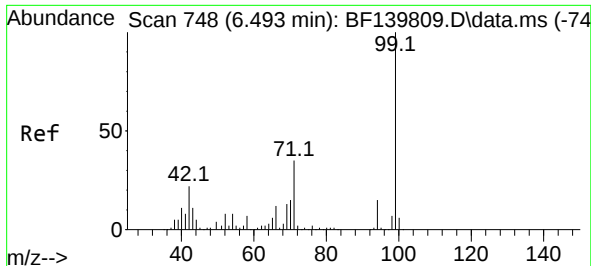
Tgt Ion:152 Resp: 84185
Ion Ratio Lower Upper
152 100
150 155.3 128.2 192.2
115 59.7 48.1 72.1



#5
2-Fluorophenol
Concen: 90.789 ng
RT: 5.469 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion:112 Resp: 452978
Ion Ratio Lower Upper
112 100
64 66.2 52.1 78.1
63 35.4 27.6 41.4

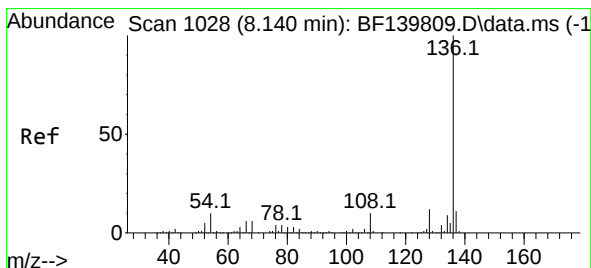
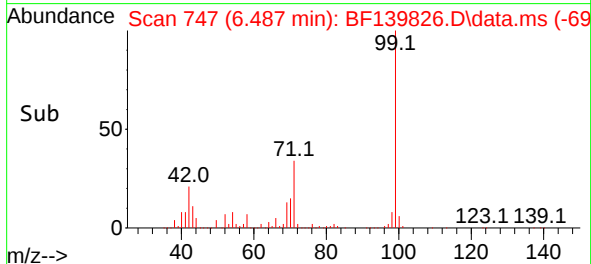
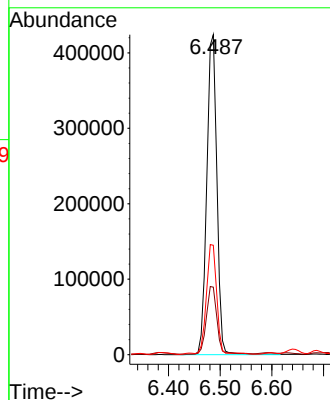
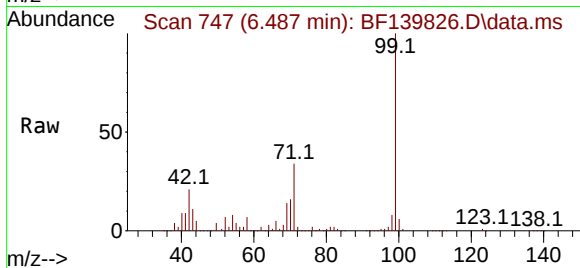




#7
Phenol-d6
Concen: 86.727 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

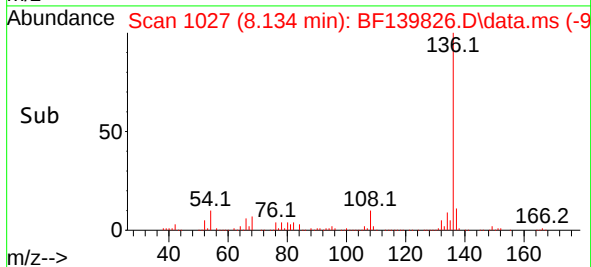
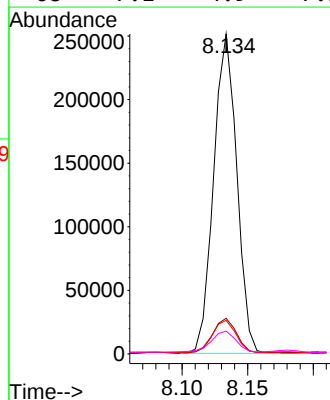
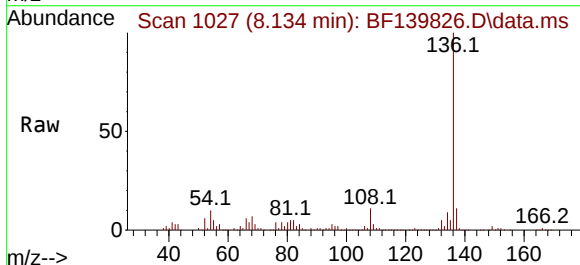
Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

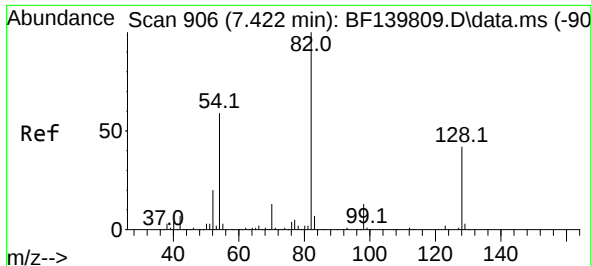
Tgt Ion: 99 Resp: 575476
Ion Ratio Lower Upper
99 100
42 21.1 17.3 25.9
71 34.2 27.8 41.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion:136 Resp: 307995
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.5 7.7 11.5
68 7.1 4.9 7.3

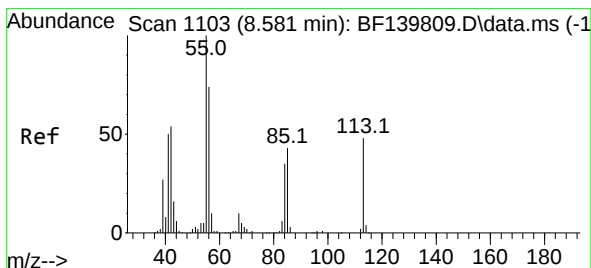
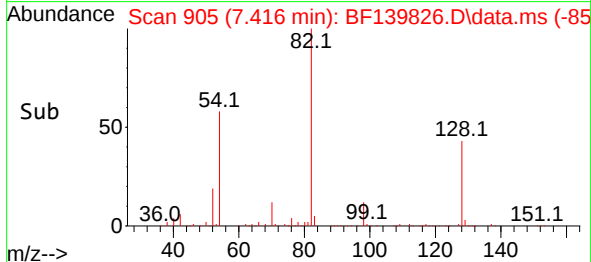
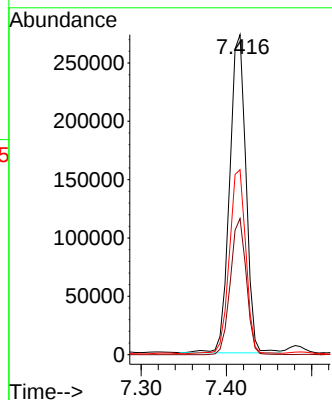
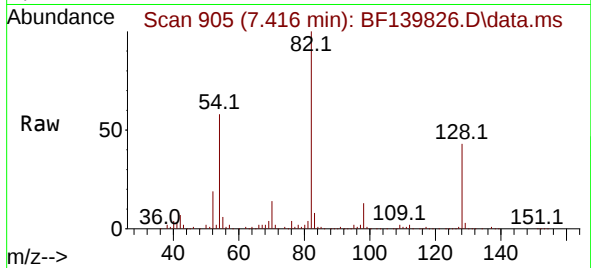




#23
Nitrobenzene-d5
Concen: 60.667 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

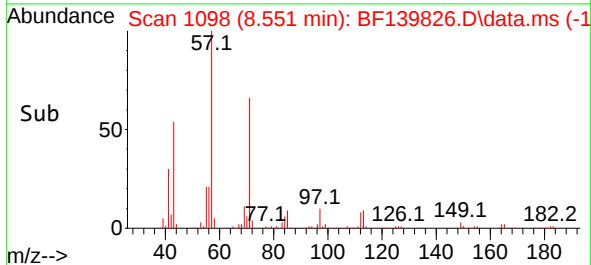
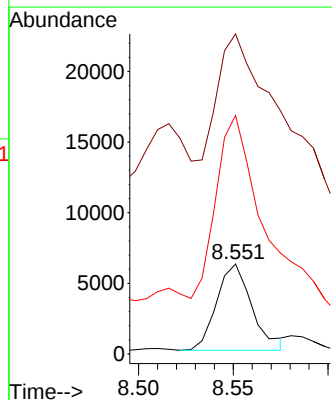
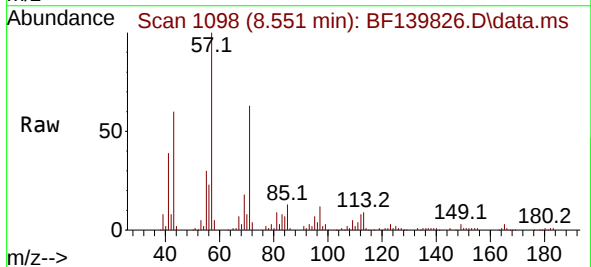
Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

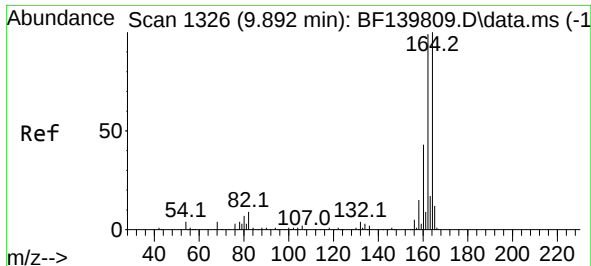
Tgt Ion: 82 Resp: 363025
Ion Ratio Lower Upper
82 100
128 42.5 33.9 50.9
54 57.8 46.9 70.3



#35
Caprolactam
Concen: 6.553 ng
RT: 8.551 min Scan# 1098
Delta R.T. -0.029 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion: 113 Resp: 7919
Ion Ratio Lower Upper
113 100
55 355.7 187.1 227.1#
56 265.1 134.0 174.0#

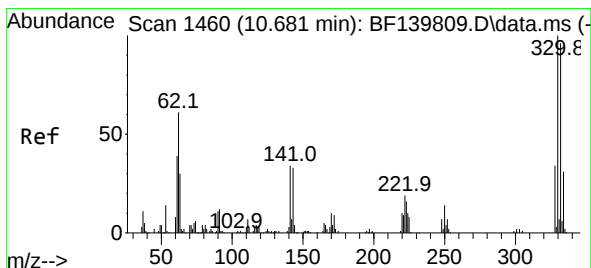
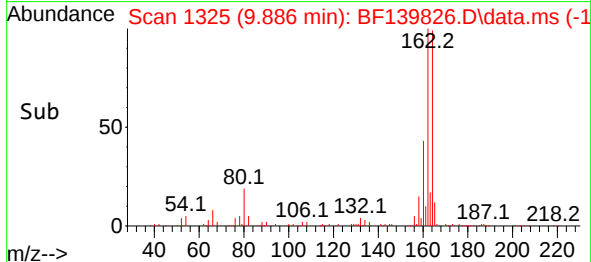
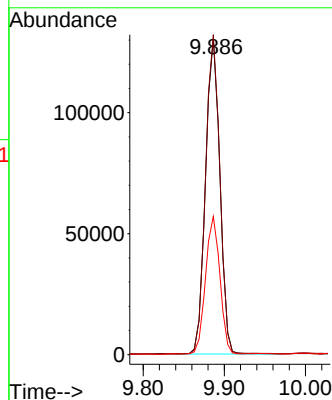
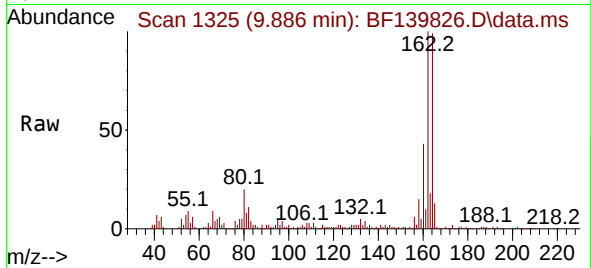




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

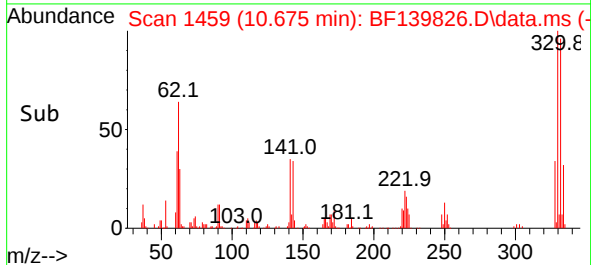
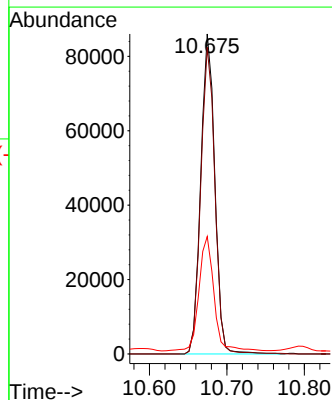
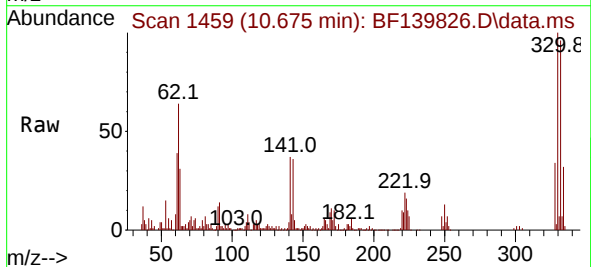
Instrument :
BNA_F
ClientSampleId :
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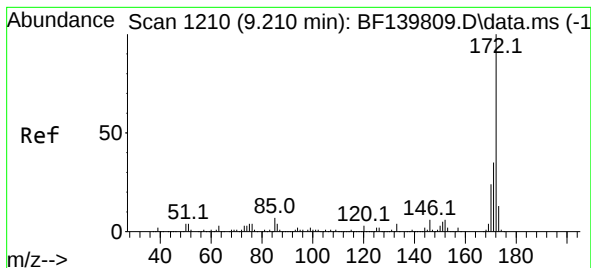
Tgt Ion:164 Resp: 159578
Ion Ratio Lower Upper
164 100
162 101.3 79.1 118.7
160 43.8 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 80.588 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion:330 Resp: 108460
Ion Ratio Lower Upper
330 100
332 96.2 76.6 114.8
141 37.9 27.8 41.6





#45

2-Fluorobiphenyl

Concen: 55.268 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

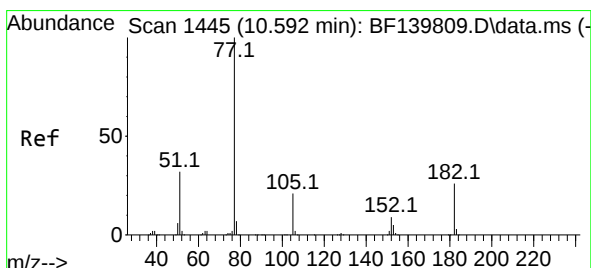
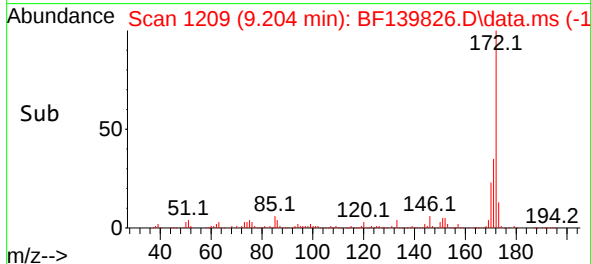
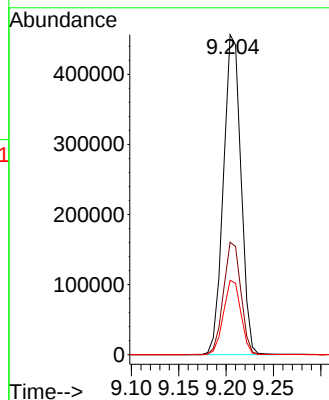
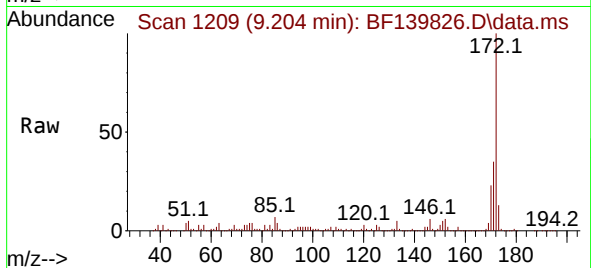
Tgt Ion:172 Resp: 589662

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.2 18.9 28.3



#63

Azobenzene

Concen: 7.338 ng

RT: 10.598 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Tgt Ion: 77 Resp: 72697

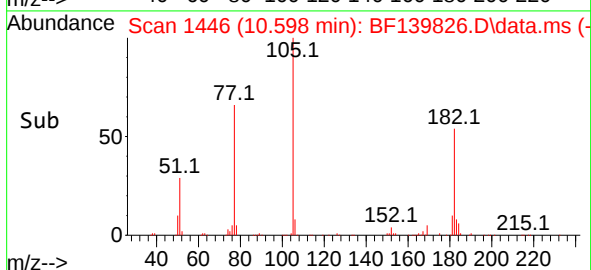
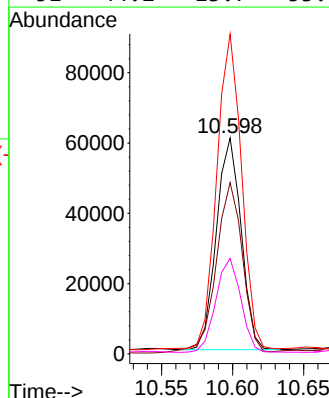
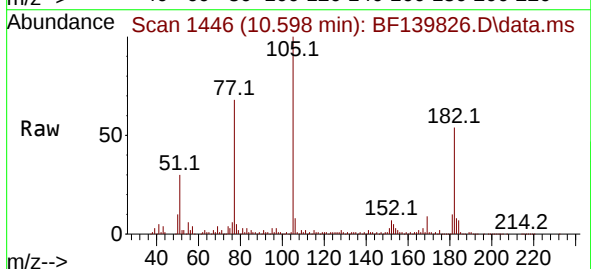
Ion Ratio Lower Upper

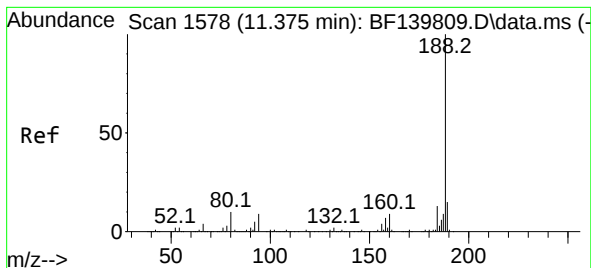
77 100

182 79.3 5.4 45.4#

105 148.1 0.4 40.4#

51 44.2 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

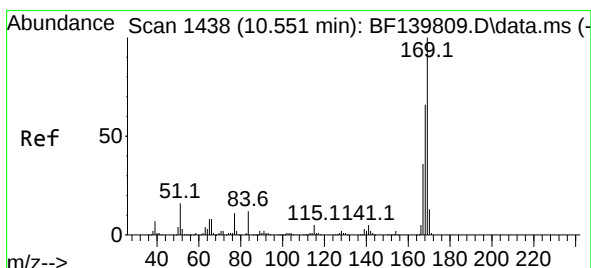
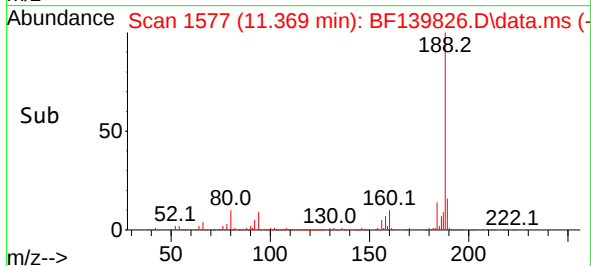
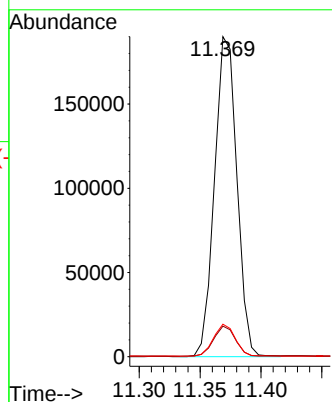
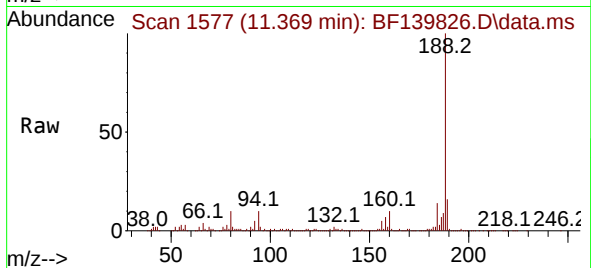
Tgt Ion:188 Resp: 242858

Ion Ratio Lower Upper

188 100

94 9.5 7.3 10.9

80 10.1 7.8 11.8



#66

n-Nitrosodiphenylamine

Concen: 2.705 ng

RT: 10.545 min Scan# 1437

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

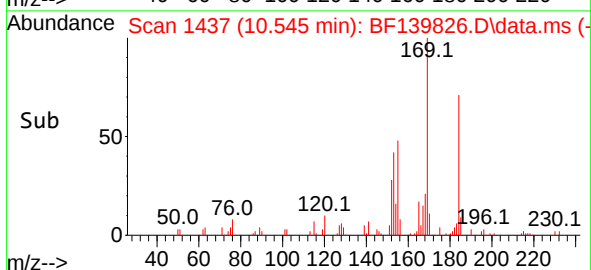
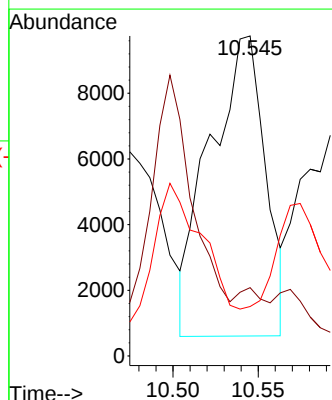
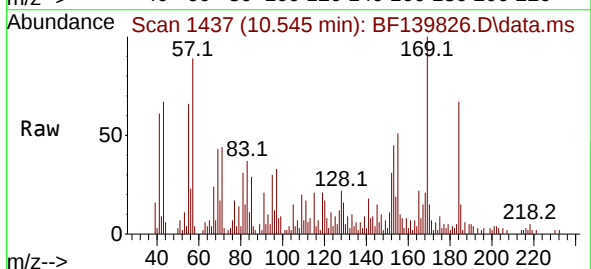
Tgt Ion:169 Resp: 20783

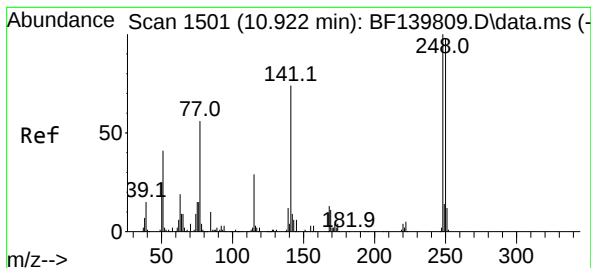
Ion Ratio Lower Upper

169 100

168 21.3 52.8 79.2#

167 15.5 28.8 43.2#

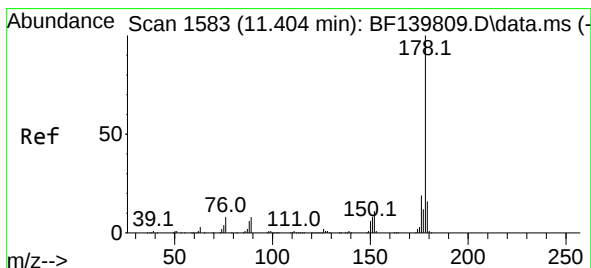
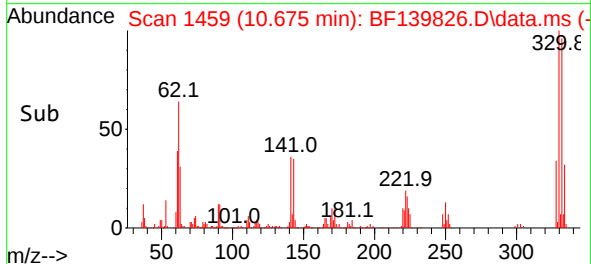
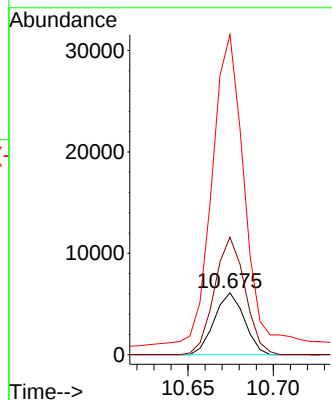
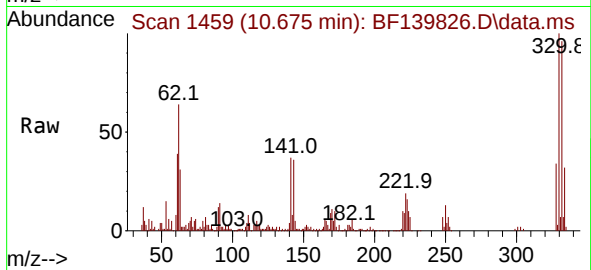




#67
4-Bromophenyl-phenylether
Concen: 2.845 ng
RT: 10.675 min Scan# 1459
Delta R.T. -0.247 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

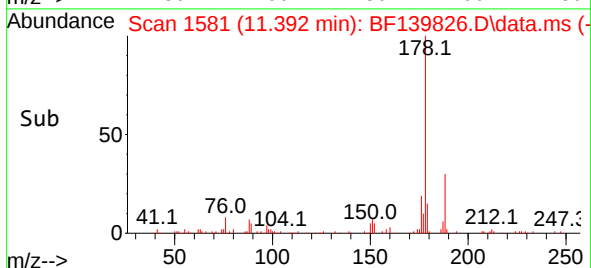
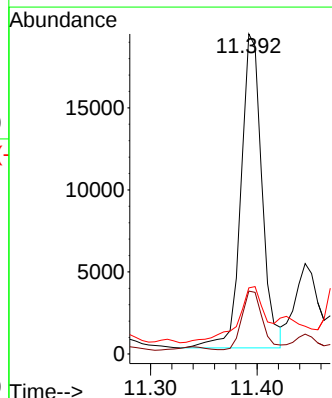
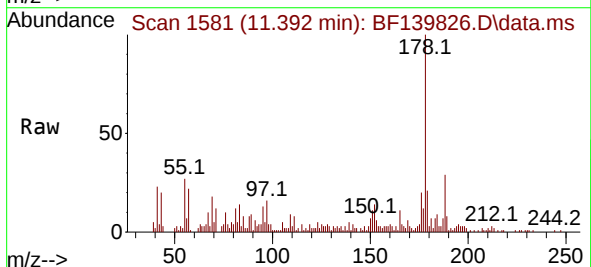
Instrument :
BNA_F
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F05308-SOLID

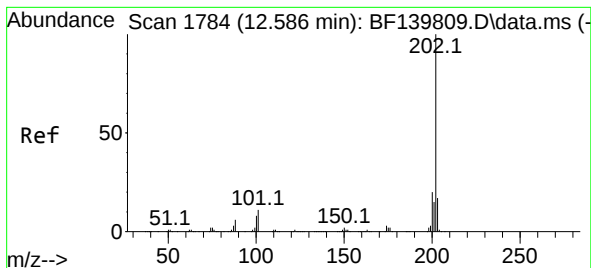
Tgt Ion:248 Resp: 7445
Ion Ratio Lower Upper
248 100
250 190.0 78.7 118.1#
141 517.9 58.9 88.3#



#71
Phenanthrene
Concen: 2.261 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion:178 Resp: 26224
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 20.7 12.5 18.7#





#75

Fluoranthene

Concen: 4.787 ng

RT: 12.586 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

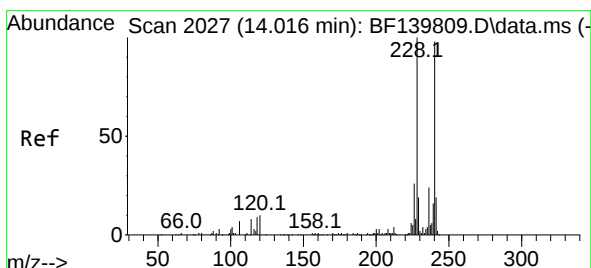
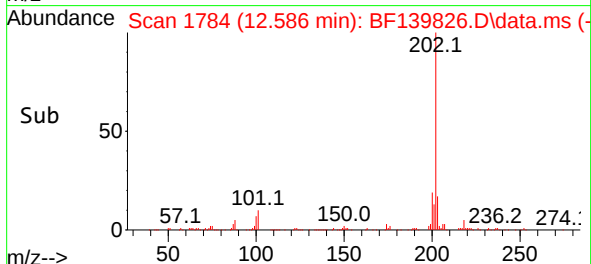
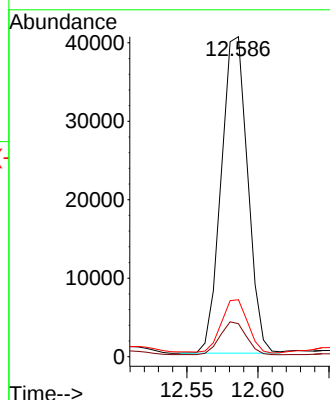
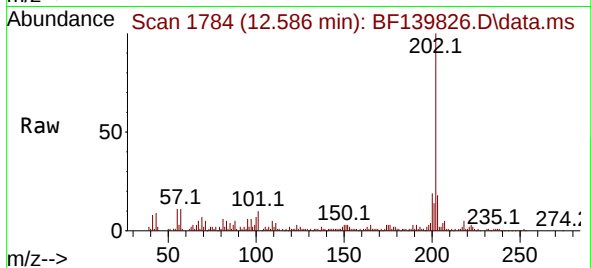
Tgt Ion:202 Resp: 52390

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.8

203 17.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

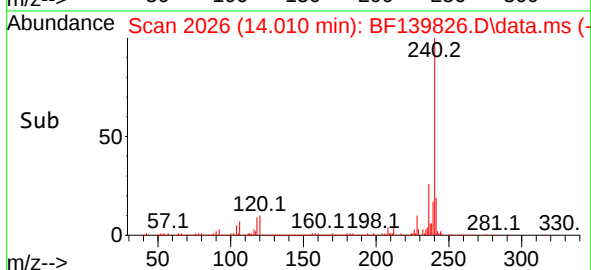
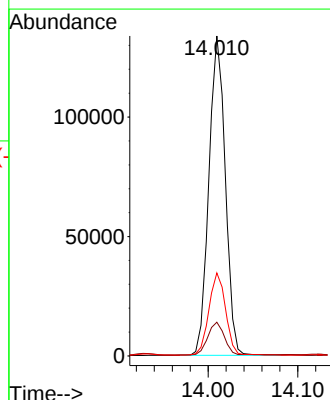
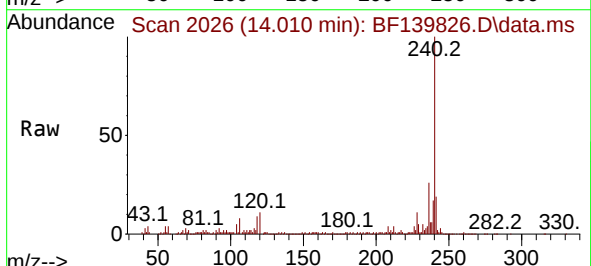
Tgt Ion:240 Resp: 170041

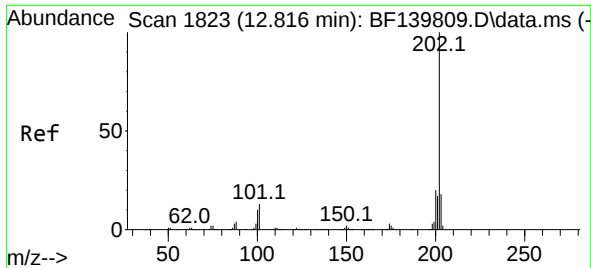
Ion Ratio Lower Upper

240 100

120 10.6 8.6 12.8

236 26.0 20.0 30.0

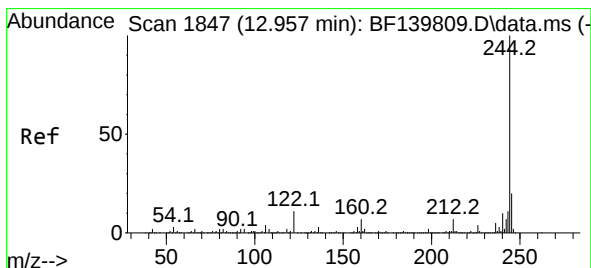
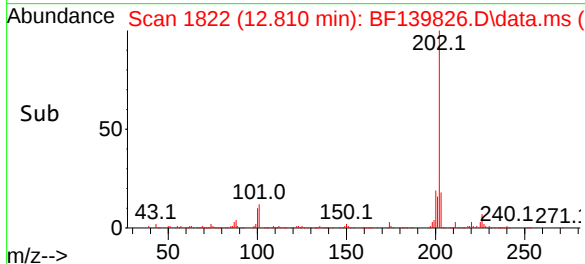
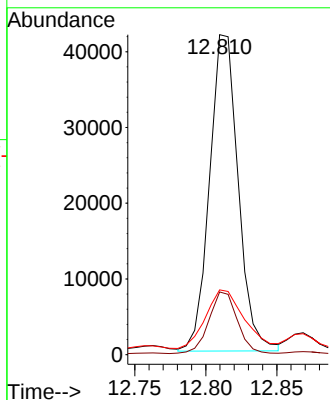
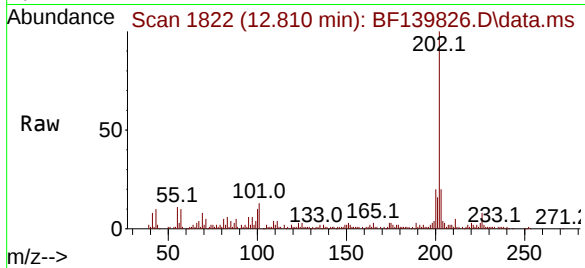




#78
 Pyrene
 Concen: 3.513 ng
 RT: 12.810 min Scan# 1822
 Delta R.T. -0.006 min
 Lab File: BF139826.D
 Acq: 16 Oct 2024 12:42

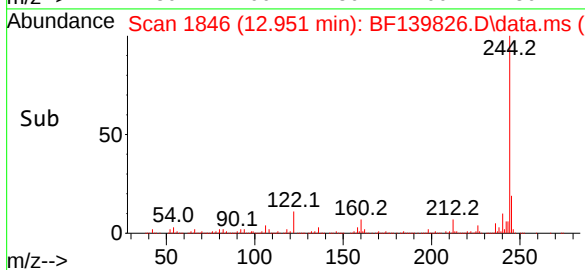
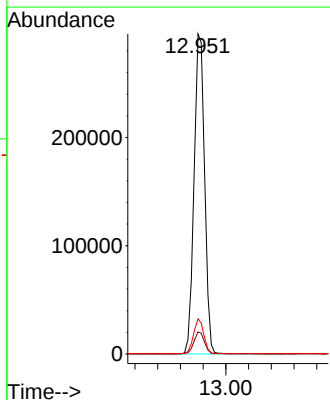
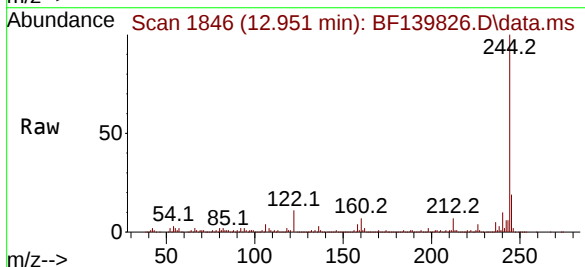
Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLID

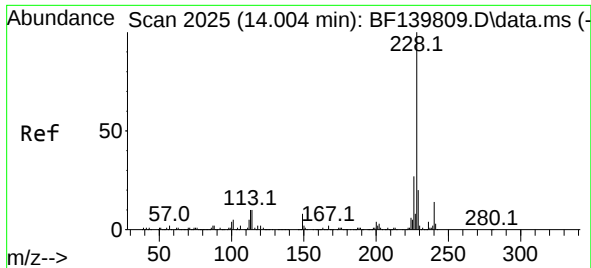
Tgt Ion:202	Resp:	58730
Ion Ratio	Lower	Upper
202	100	
200	19.6	15.9 23.9
203	20.2	14.0 21.0



#79
 Terphenyl-d14
 Concen: 35.189 ng
 RT: 12.951 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF139826.D
 Acq: 16 Oct 2024 12:42

Tgt Ion:244	Resp:	383875
Ion Ratio	Lower	Upper
244	100	
212	6.9	5.5 8.3
122	11.0	8.9 13.3

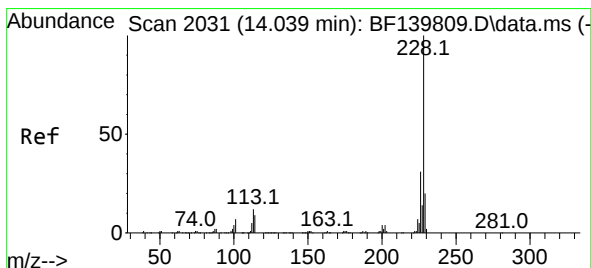
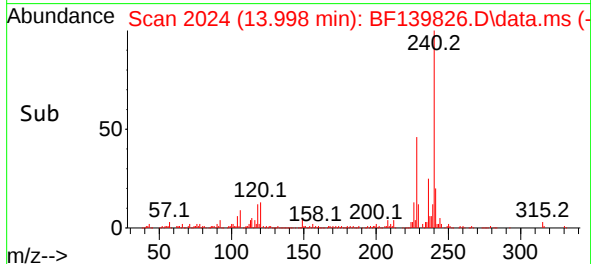
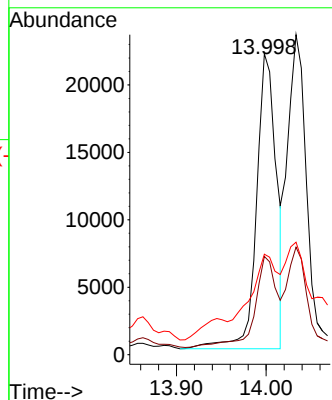
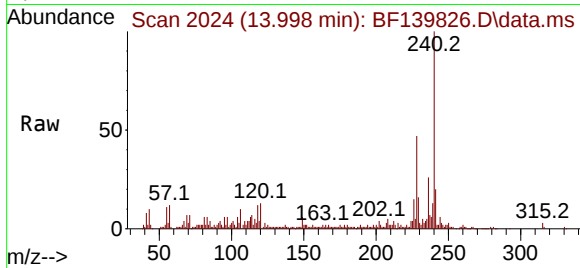




#81
Benzo(a)anthracene
Concen: 3.002 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

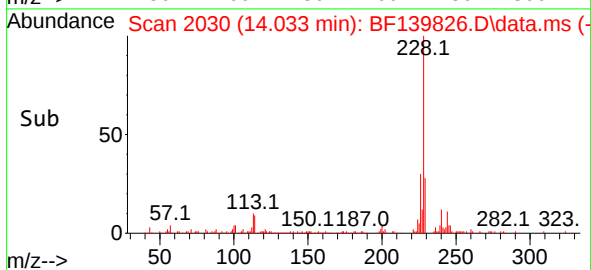
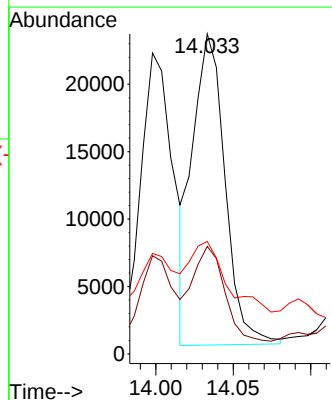
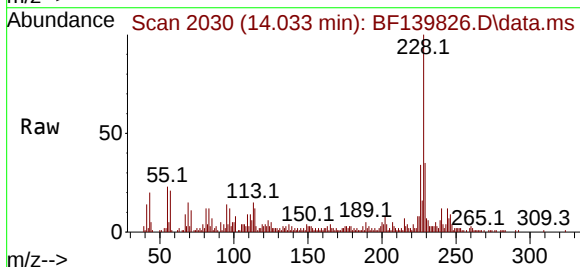
Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

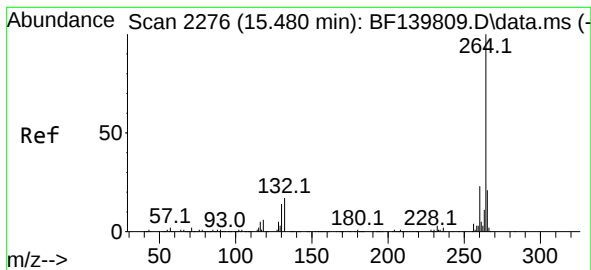
Tgt Ion:228 Resp: 33903
Ion Ratio Lower Upper
228 100
226 32.6 21.8 32.8
229 33.4 15.8 23.8#



#83
Chrysene
Concen: 3.260 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF139826.D
Acq: 16 Oct 2024 12:42

Tgt Ion:228 Resp: 33560
Ion Ratio Lower Upper
228 100
226 33.6 24.1 36.1
229 35.1 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

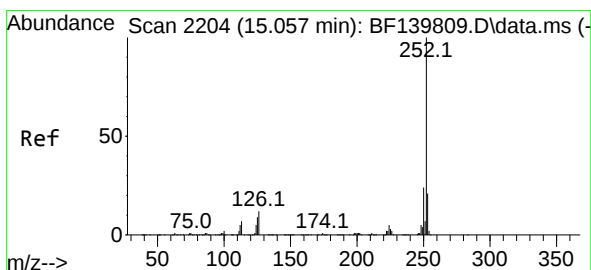
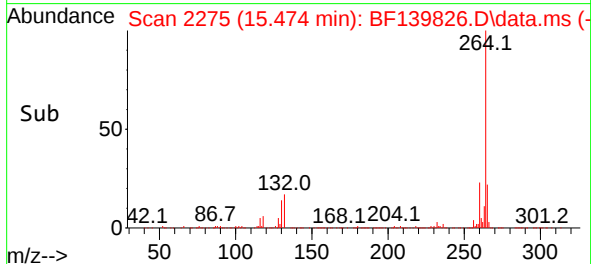
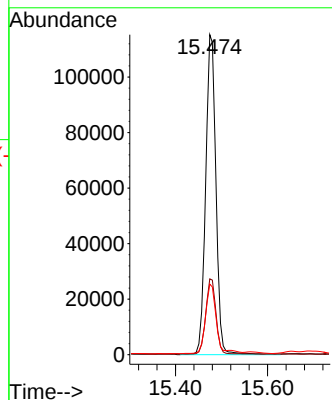
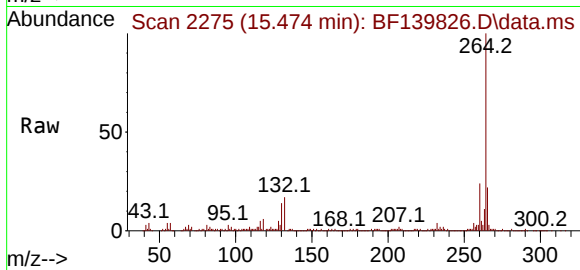
Tgt Ion:264 Resp: 180026

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 22.1 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.925 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

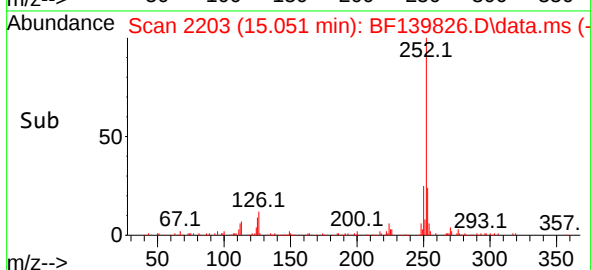
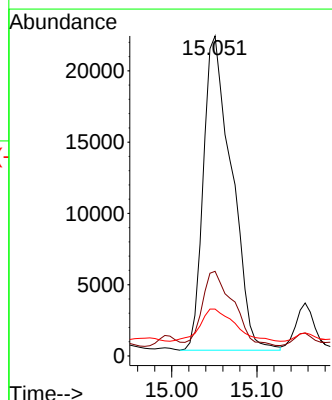
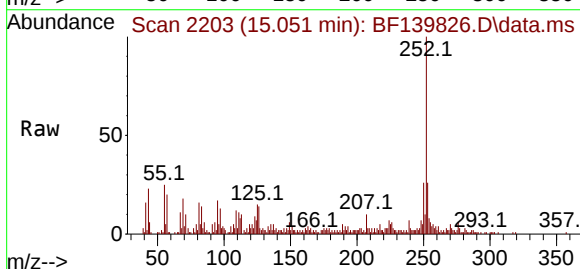
Tgt Ion:252 Resp: 50857

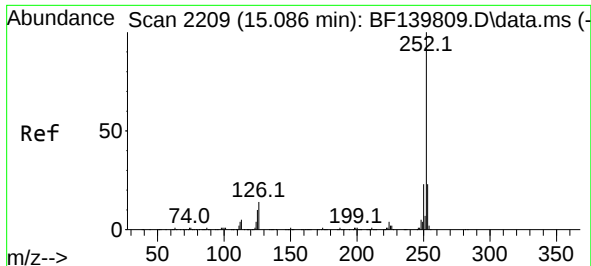
Ion Ratio Lower Upper

252 100

253 26.5 17.1 25.7#

125 14.6 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.550 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

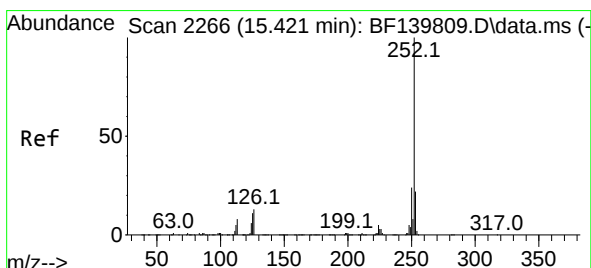
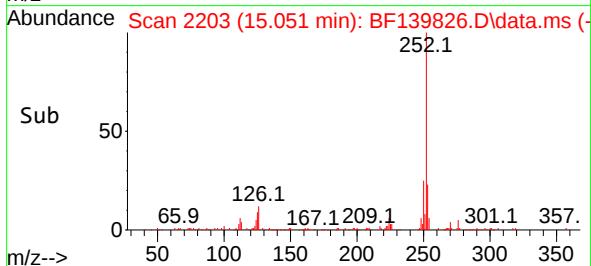
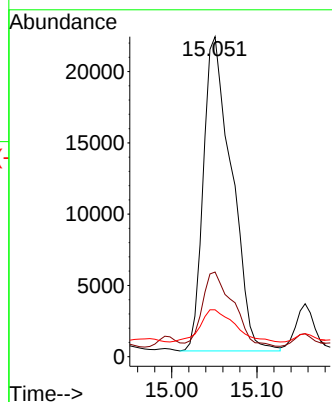
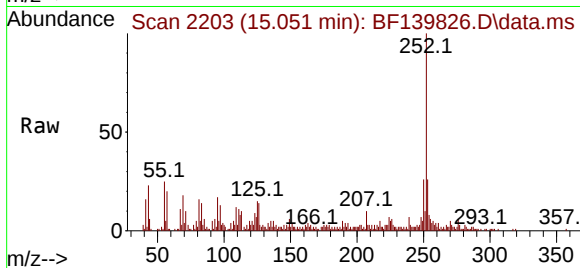
Tgt Ion:252 Resp: 50857

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 14.6 7.7 11.5#



#90

Benzo(a)pyrene

Concen: 2.994 ng

RT: 15.410 min Scan# 2264

Delta R.T. -0.012 min

Lab File: BF139826.D

Acq: 16 Oct 2024 12:42

Tgt Ion:252 Resp: 27001

Ion Ratio Lower Upper

252 100

253 27.2 17.4 26.0#

125 16.0 8.4 12.6#

