

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139300.D
 Acq On : 10 Sep 2024 15:29
 Operator : RC/JU
 Sample : P3905-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3B

Quant Time: Sep 10 16:01:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

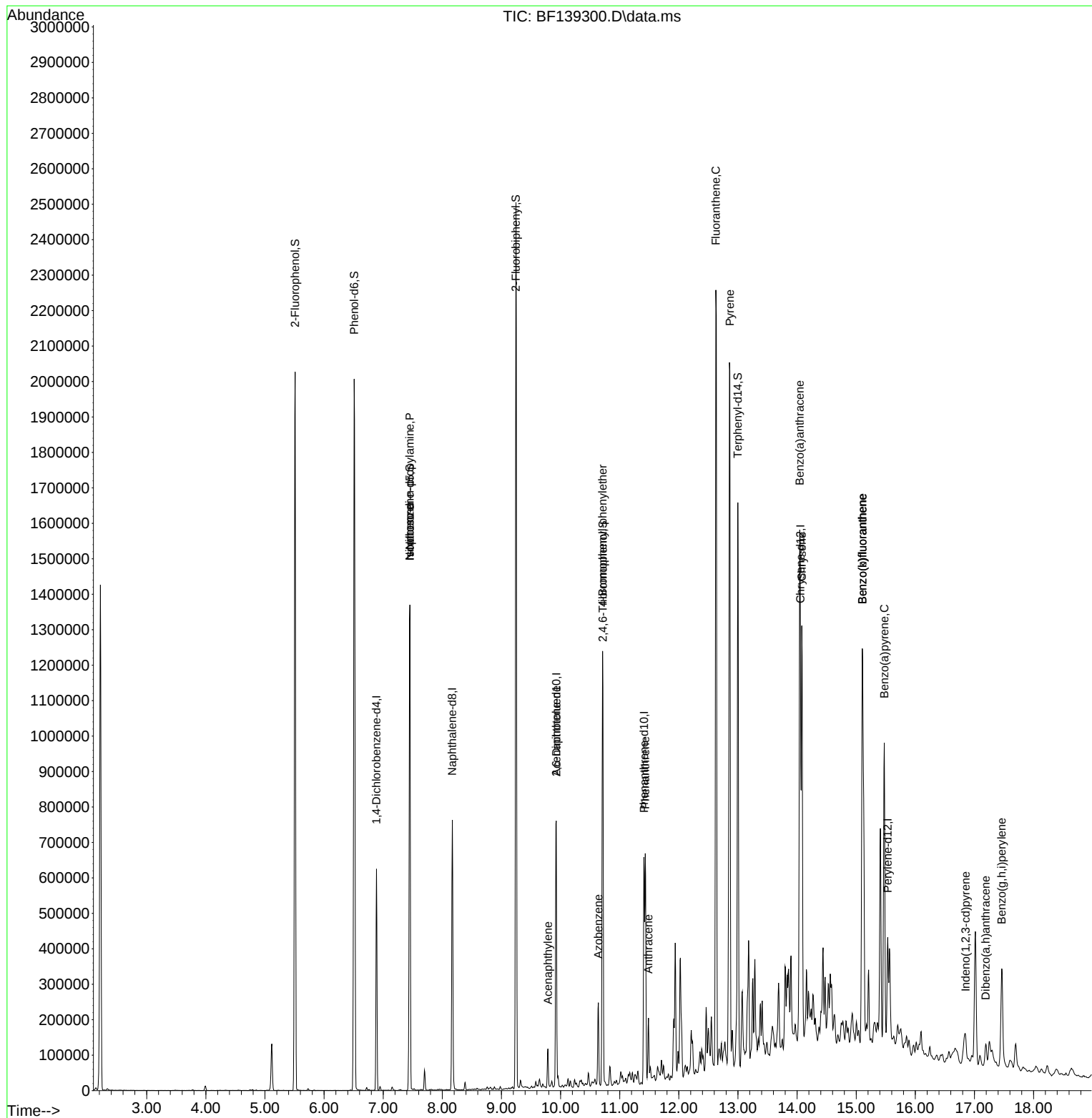
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	121029	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	441579	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	224068	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	329544	20.000	ng	0.00
76) Chrysene-d12	14.057	240	191856	20.000	ng	0.00
86) Perylene-d12	15.533	264	168815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	710403	98.192	ng	0.00
7) Phenol-d6	6.510	99	929396	96.227	ng	0.00
23) Nitrobenzene-d5	7.451	82	608284	71.662	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	181280	93.691	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1063597	73.273	ng	0.00
79) Terphenyl-d14	12.998	244	727819	61.250	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	82598	14.849	ng	# 75
25) Isophorone	7.451	82	605640	41.734	ng	# 67
49) Acenaphthylene	9.786	152	63608	3.369	ng	98
51) 2,6-Dinitrotoluene	9.927	165	29816	9.678	ng	# 19
63) Azobenzene	10.639	77	54817	3.892	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	12676	3.965	ng	# 1
71) Phenanthrene	11.433	178	333559	21.667	ng	99
72) Anthracene	11.486	178	96568	6.421	ng	100
75) Fluoranthene	12.627	202	1293476	83.807	ng	99
78) Pyrene	12.863	202	1219306	65.789	ng	99
81) Benzo(a)anthracene	14.045	228	702022	57.304	ng	94
83) Chrysene	14.080	228	621752	54.378	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	49232	4.668	ng	97
88) Benzo(b)fluoranthene	15.104	252	1042744	107.256	ng	99
89) Benzo(k)fluoranthene	15.104	252	1042744	119.622	ng	98
90) Benzo(a)pyrene	15.474	252	501993	60.809	ng	98
91) Dibenzo(a,h)anthracene	17.192	278	46364	5.335	ng	95
92) Benzo(g,h,i)perylene	17.462	276	251046	27.984	ng	98

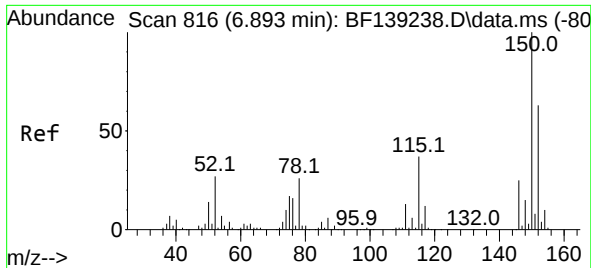
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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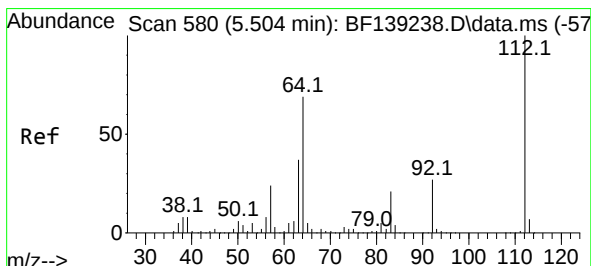
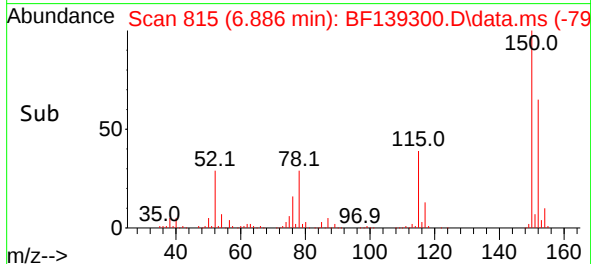
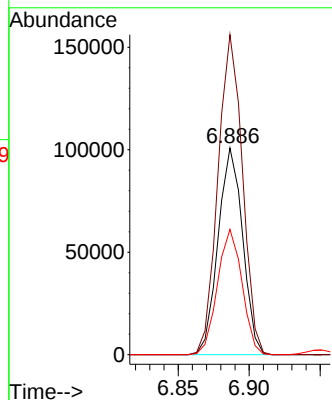
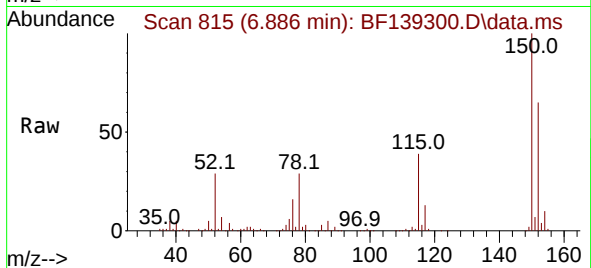




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.007 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

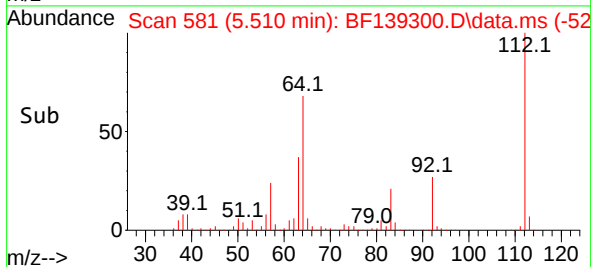
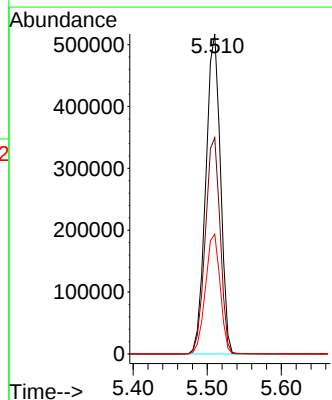
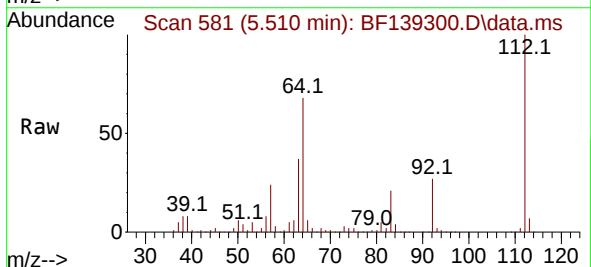
Instrument :
BNA_F
ClientSampleId :
TP-3B

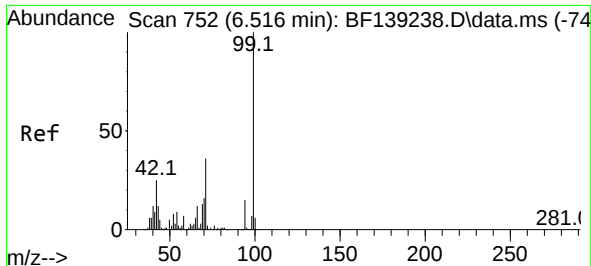
Tgt Ion:152 Resp: 121029
Ion Ratio Lower Upper
152 100
150 154.8 127.0 190.4
115 60.6 46.9 70.3



#5
2-Fluorophenol
Concen: 98.192 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion:112 Resp: 710403
Ion Ratio Lower Upper
112 100
64 67.6 55.0 82.4
63 37.5 29.9 44.9

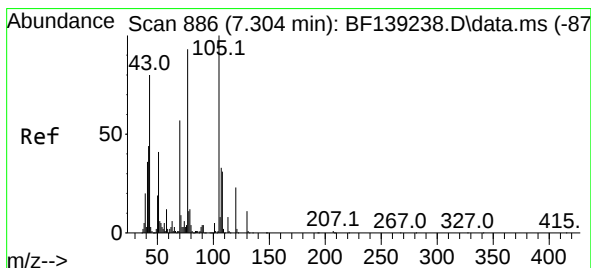
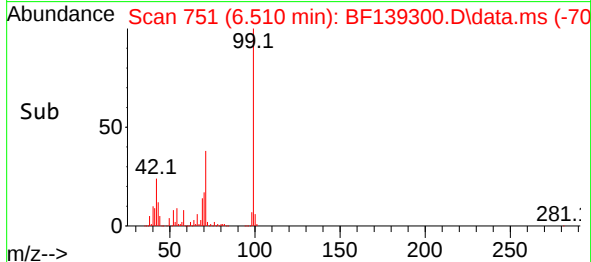
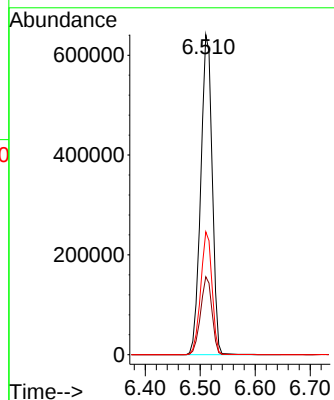
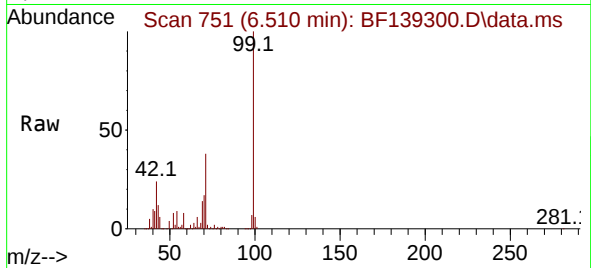




#7
Phenol-d6
Concen: 96.227 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

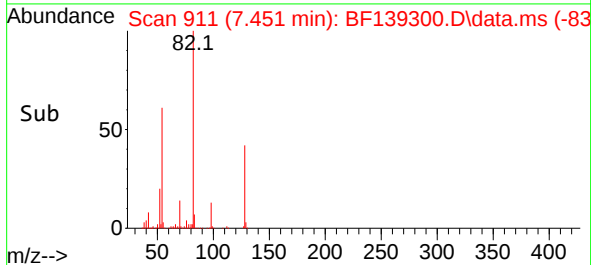
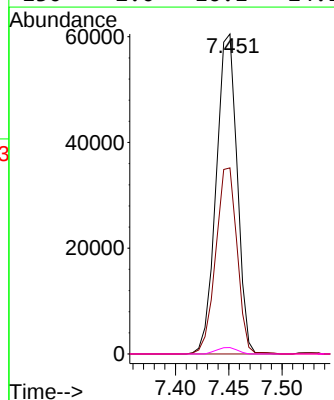
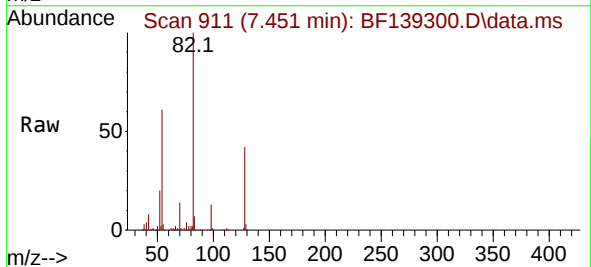
Instrument :
BNA_F
ClientSampleId :
TP-3B

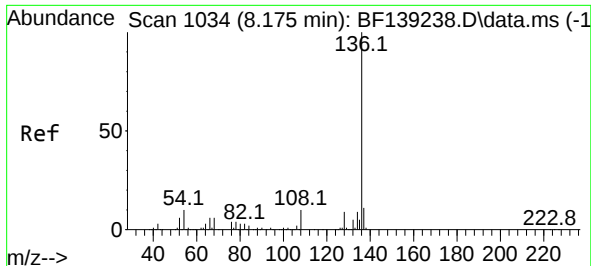
Tgt Ion: 99 Resp: 929396
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 38.4 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.849 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion: 70 Resp: 82598
Ion Ratio Lower Upper
70 100
42 58.1 61.0 91.6#
101 0.0 7.2 10.8#
130 2.0 16.1 24.1#



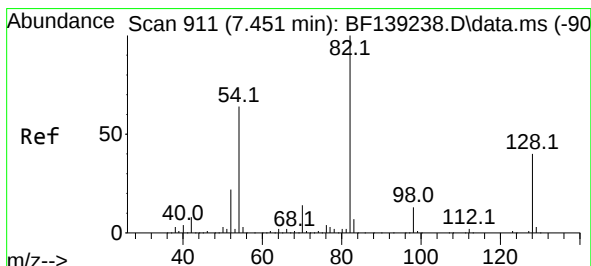
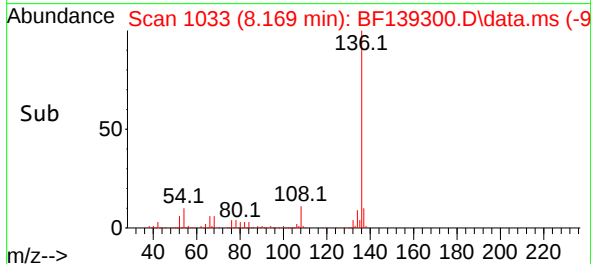
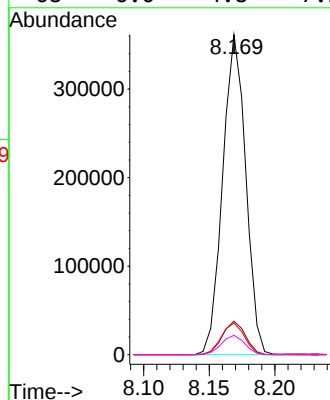
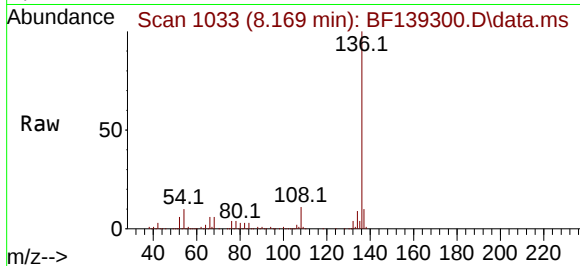


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Instrument :
BNA_F
ClientSampleId :
TP-3B

Tgt Ion:136 Resp: 441579

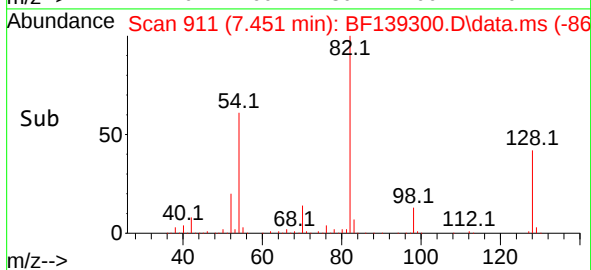
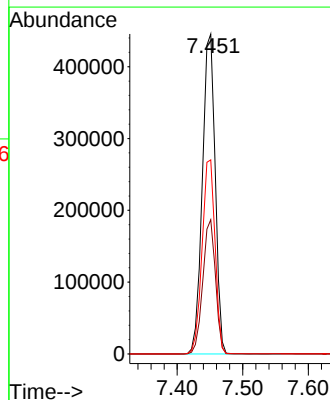
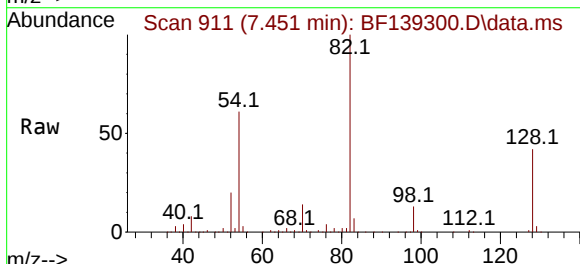
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	13.0
54	9.9	8.4	12.6
68	6.0	4.8	7.2

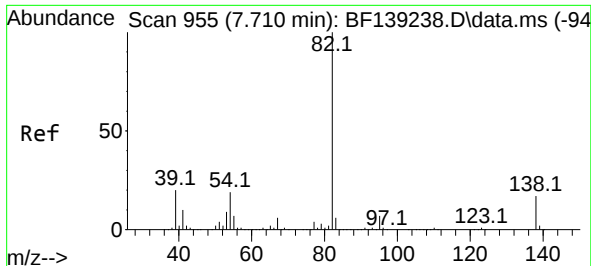


#23
Nitrobenzene-d5
Concen: 71.662 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion: 82 Resp: 608284

Ion	Ratio	Lower	Upper
82	100		
128	41.9	32.3	48.5
54	60.7	51.2	76.8

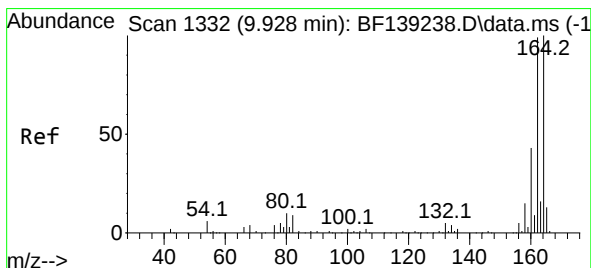
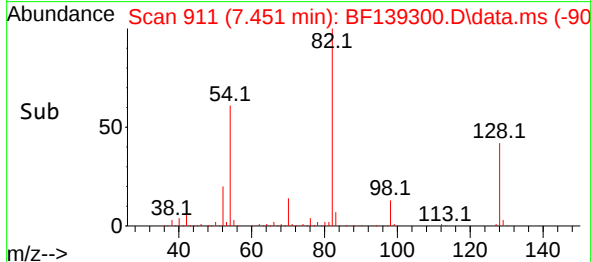
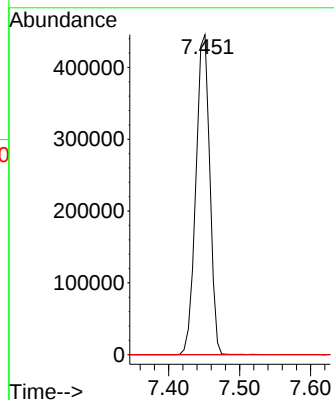
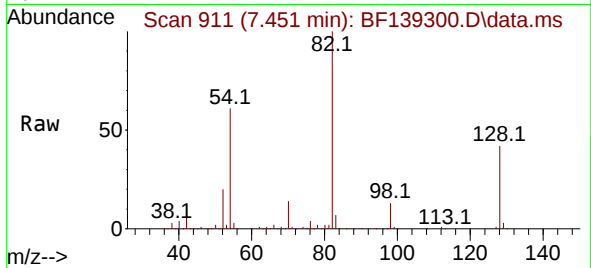




#25
Isophorone
Concen: 41.734 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

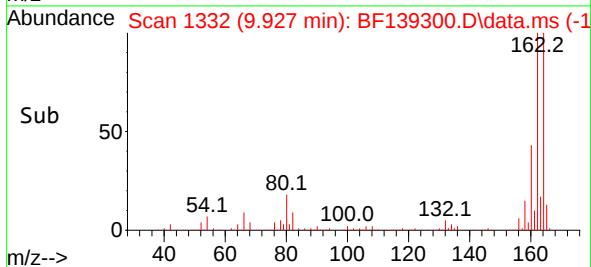
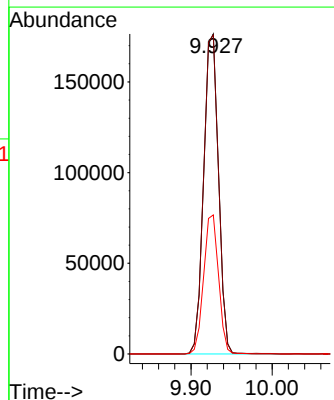
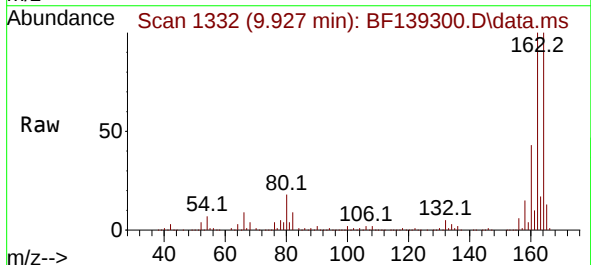
Instrument :
BNA_F
ClientSampleId :
TP-3B

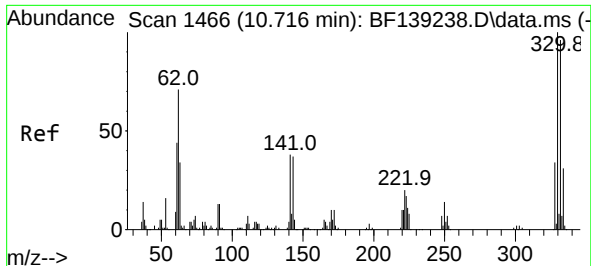
Tgt Ion: 82 Resp: 605640
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion:164 Resp: 224068
Ion Ratio Lower Upper
164 100
162 99.7 79.2 118.8
160 43.5 34.2 51.2

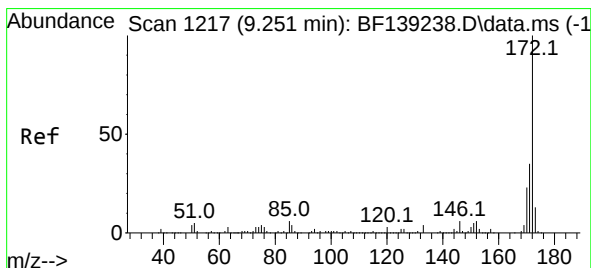
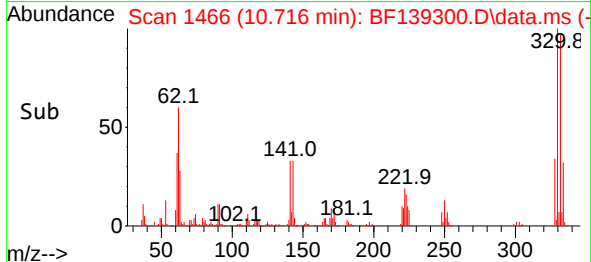
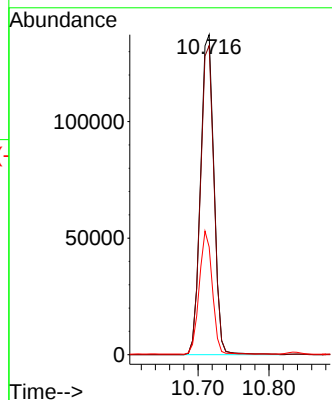
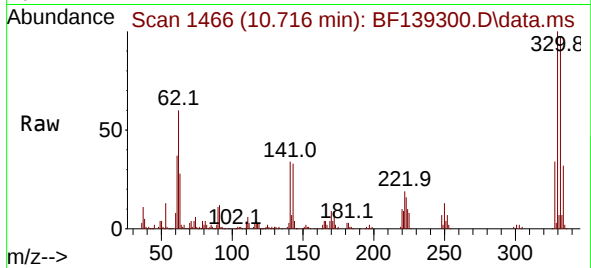




#42
2,4,6-Tribromophenol
Concen: 93.691 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

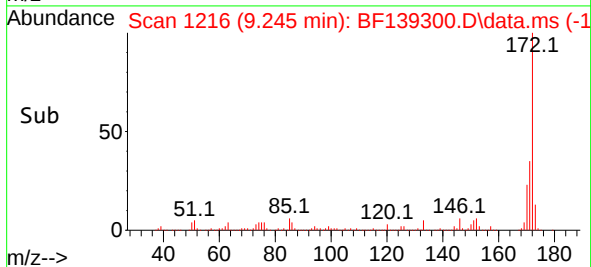
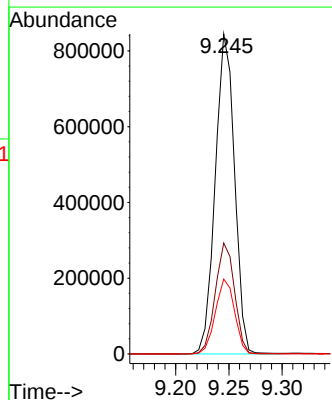
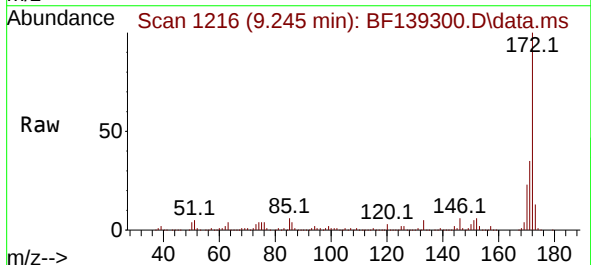
Instrument :
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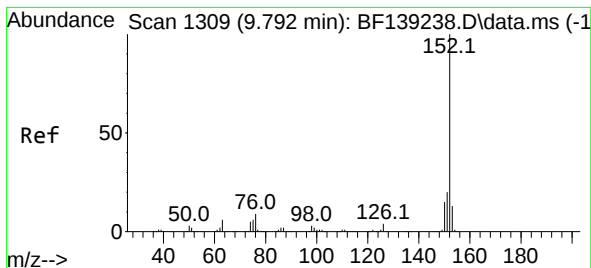
Tgt Ion:330 Resp: 181280
Ion Ratio Lower Upper
330 100
332 97.4 76.6 115.0
141 37.0 30.1 45.1



#45
2-Fluorobiphenyl
Concen: 73.273 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion:172 Resp: 1063597
Ion Ratio Lower Upper
172 100
171 34.7 28.3 42.5
170 23.4 18.7 28.1





#49

Acenaphthylene

Concen: 3.369 ng

RT: 9.786 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

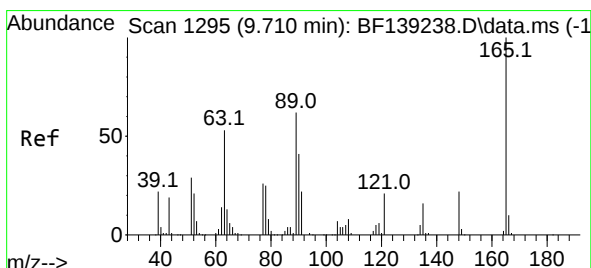
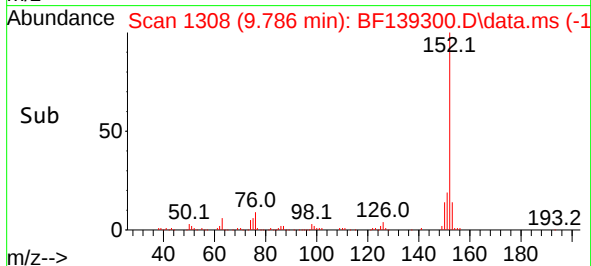
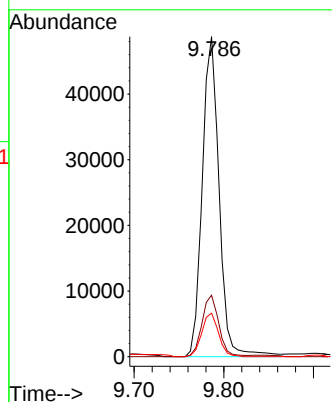
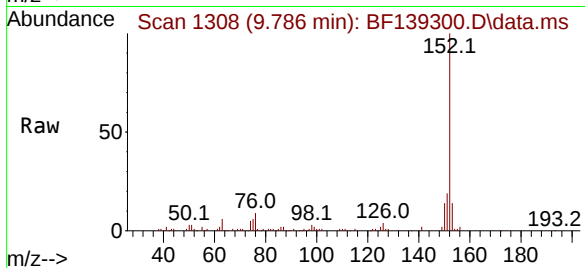
Tgt Ion:152 Resp: 63608

Ion Ratio Lower Upper

152 100

151 19.2 16.0 24.0

153 13.6 10.4 15.6



#51

2,6-Dinitrotoluene

Concen: 9.678 ng

RT: 9.927 min Scan# 1332

Delta R.T. 0.217 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

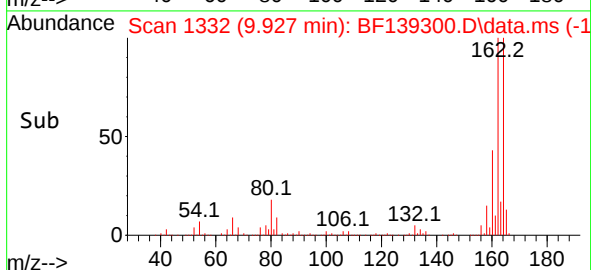
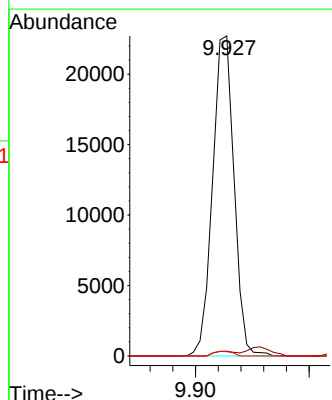
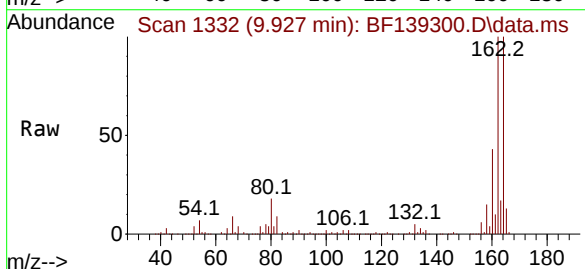
Tgt Ion:165 Resp: 29816

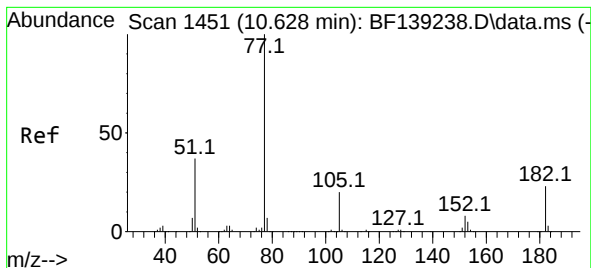
Ion Ratio Lower Upper

165 100

63 1.5 56.1 84.1#

89 1.4 49.7 74.5#





#63

Azobenzene

Concen: 3.892 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.012 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

Tgt Ion: 77 Resp: 54817

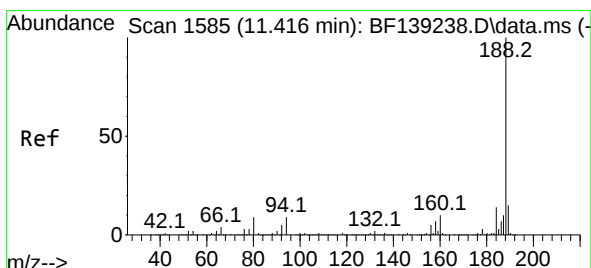
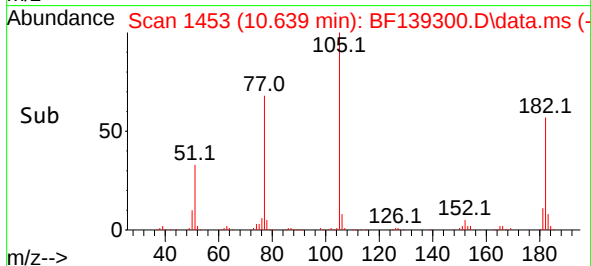
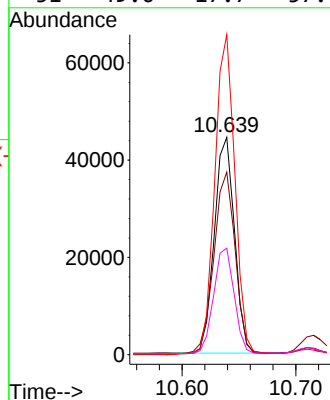
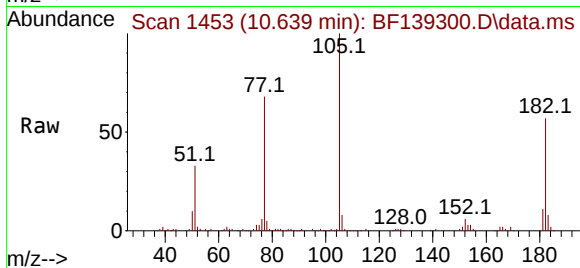
Ion Ratio Lower Upper

77 100

182 84.0 3.0 43.0#

105 147.2 0.0 39.4#

51 49.0 17.7 57.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

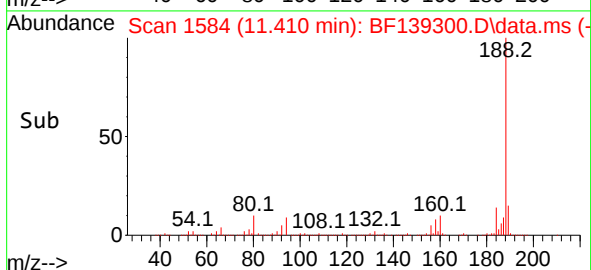
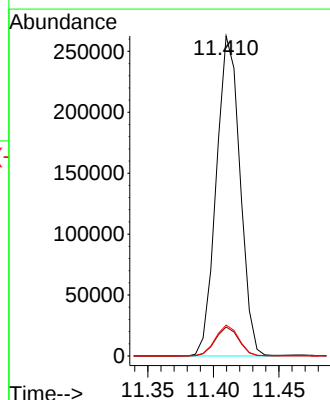
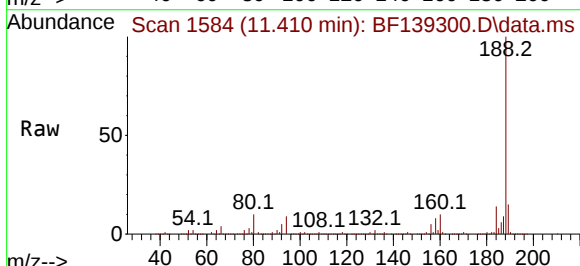
Tgt Ion:188 Resp: 329544

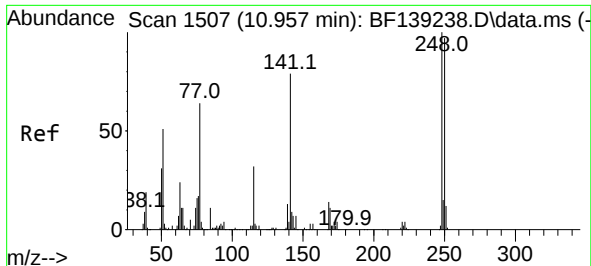
Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.4

80 9.7 7.3 10.9

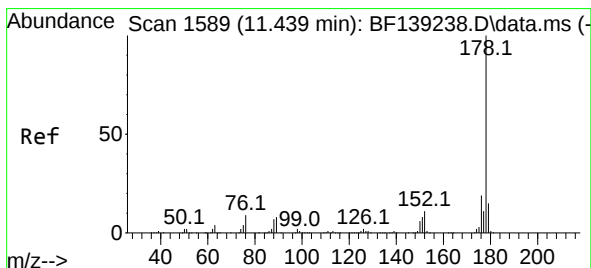
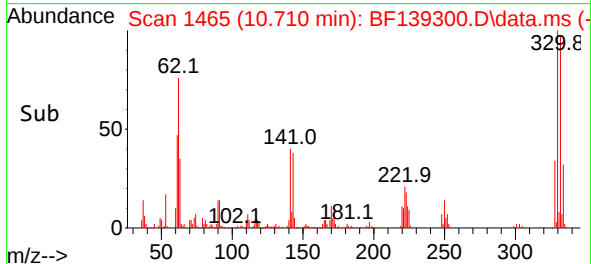
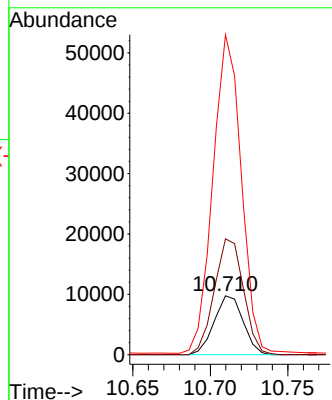
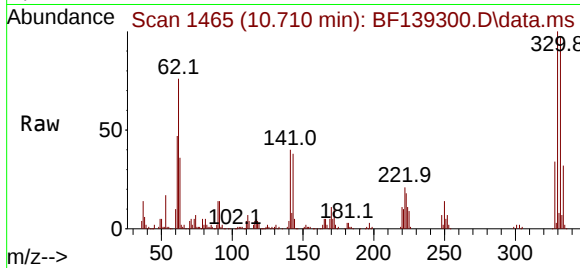




#67
4-Bromophenyl-phenylether
Concen: 3.965 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

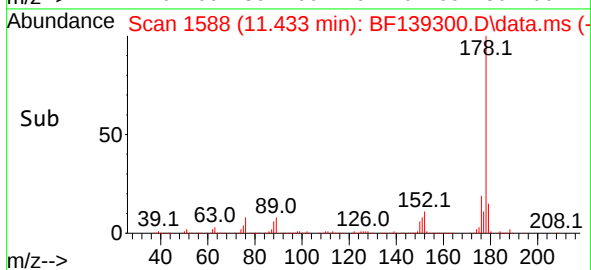
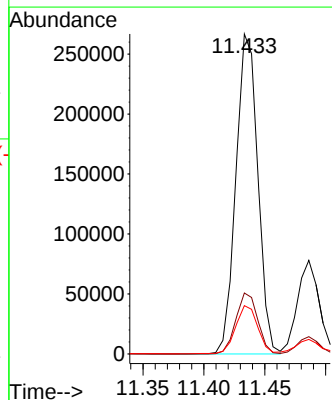
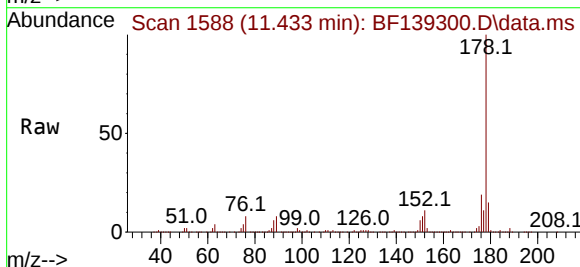
Instrument :
BNA_F
ClientSampleId :
TP-3B

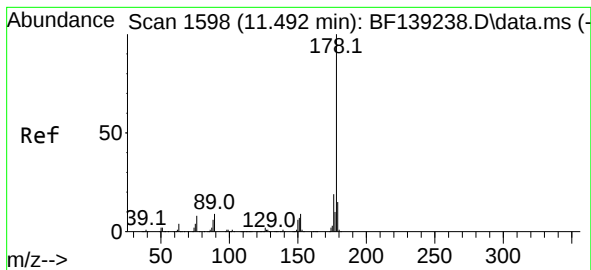
Tgt Ion:248 Resp: 12676
Ion Ratio Lower Upper
248 100
250 196.8 77.2 115.8#
141 543.7 63.6 95.4#



#71
Phenanthrene
Concen: 21.667 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion:178 Resp: 333559
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.1 12.3 18.5





#72

Anthracene

Concen: 6.421 ng

RT: 11.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

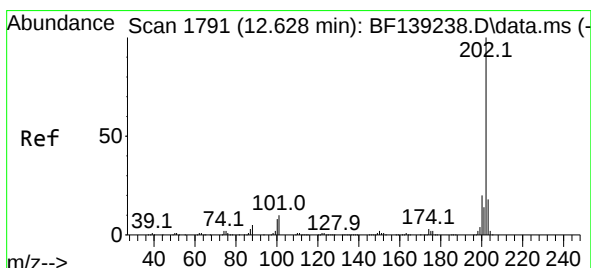
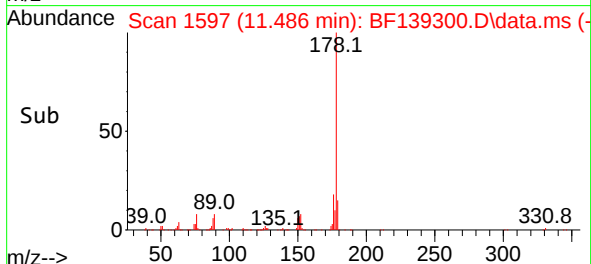
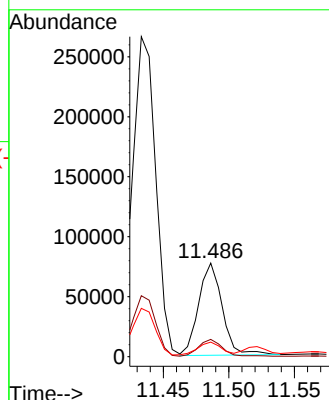
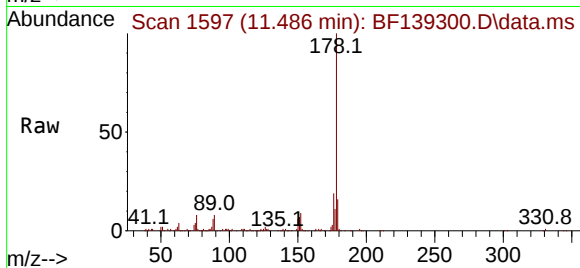
Tgt Ion:178 Resp: 96568

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

179 15.6 12.3 18.5



#75

Fluoranthene

Concen: 83.807 ng

RT: 12.627 min Scan# 1791

Delta R.T. -0.000 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

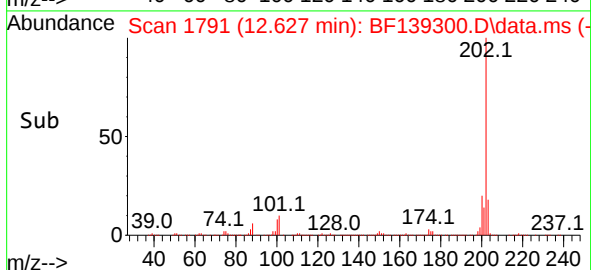
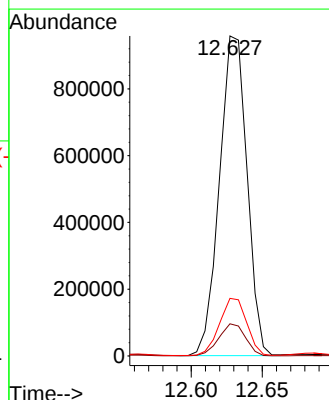
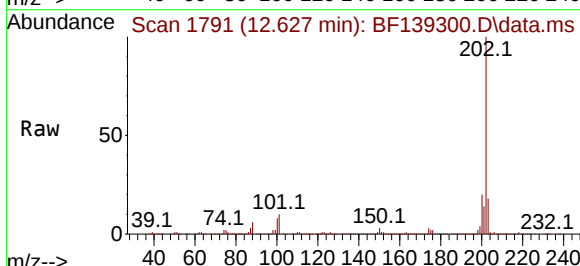
Tgt Ion:202 Resp: 1293476

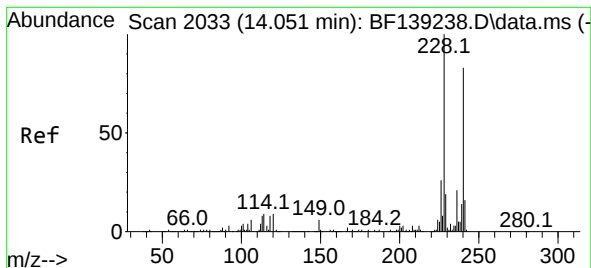
Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.9

203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

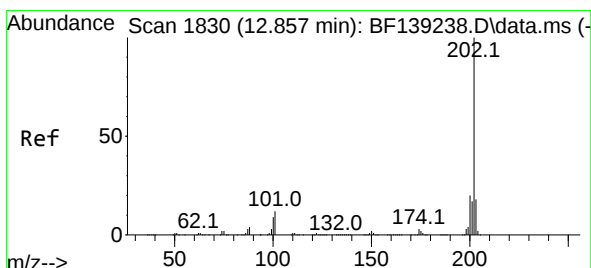
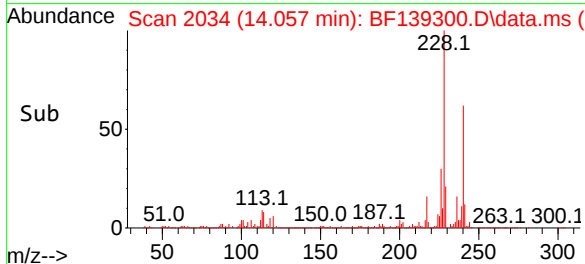
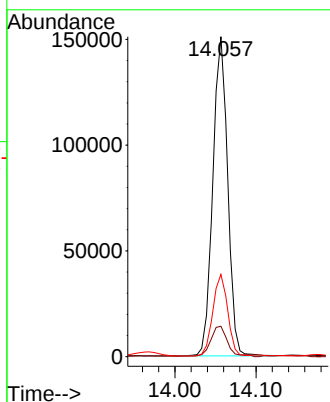
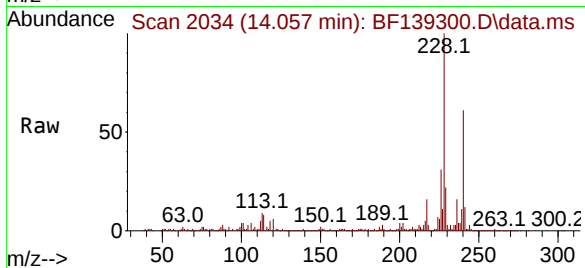
Tgt Ion:240 Resp: 191856

Ion Ratio Lower Upper

240 100

120 9.5 8.6 12.8

236 25.7 20.7 31.1



#78

Pyrene

Concen: 65.789 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

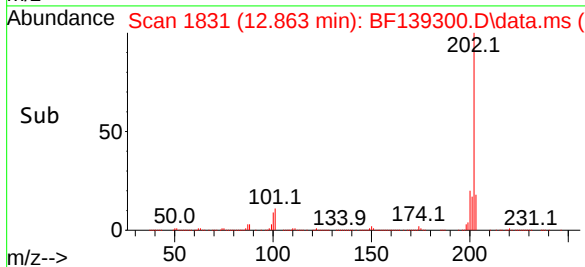
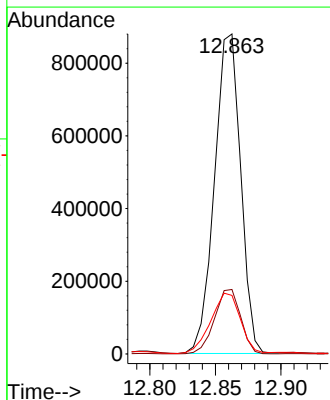
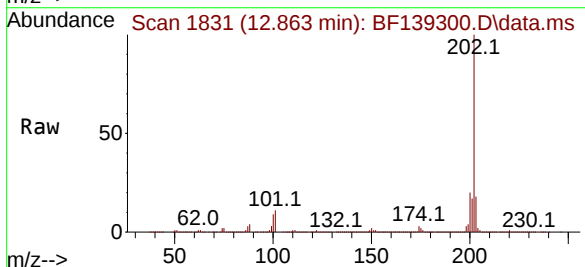
Tgt Ion:202 Resp: 1219306

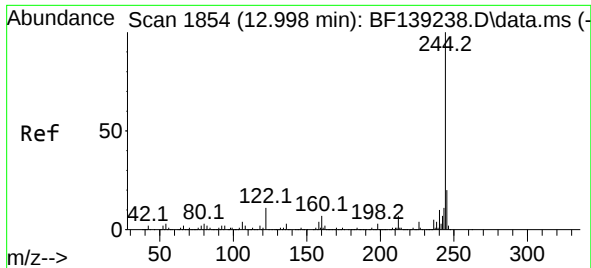
Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.8

203 18.3 14.1 21.1

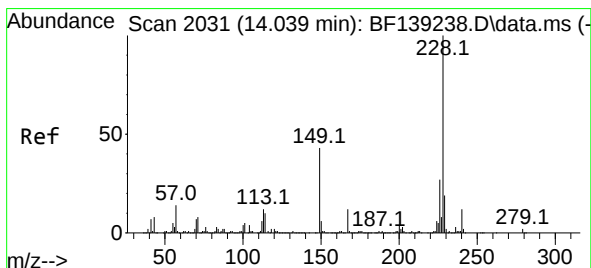
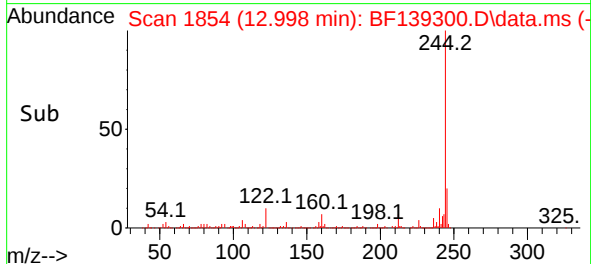
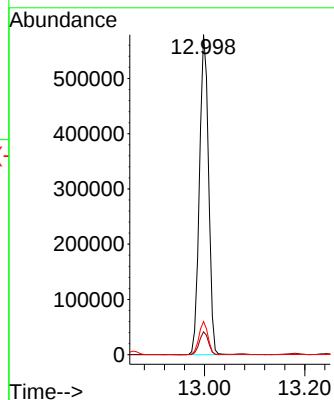
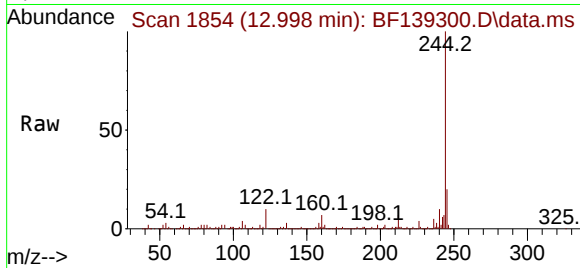




#79
 Terphenyl-d14
 Concen: 61.250 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF139300.D
 Acq: 10 Sep 2024 15:29

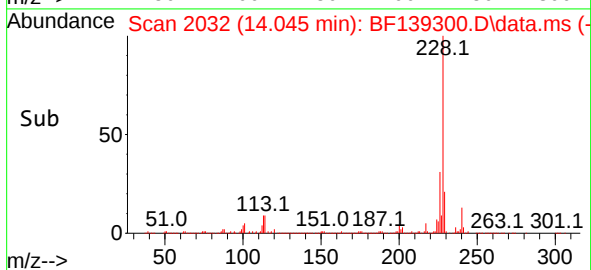
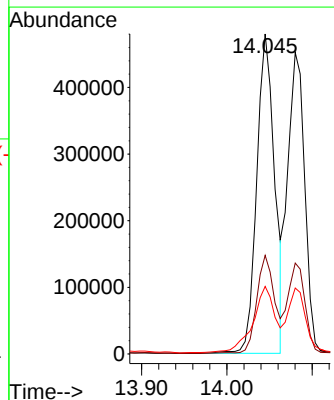
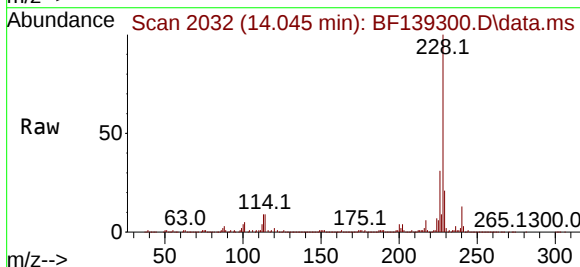
Instrument :
 BNA_F
 ClientSampleId :
 TP-3B

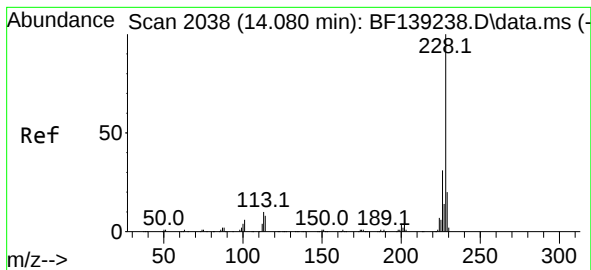
Tgt Ion:244 Resp: 727819
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 10.3 8.7 13.1



#81
 Benzo(a)anthracene
 Concen: 57.304 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF139300.D
 Acq: 10 Sep 2024 15:29

Tgt Ion:228 Resp: 702022
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.5 32.3
 229 21.1 15.6 23.4





#83

Chrysene

Concen: 54.378 ng

RT: 14.080 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

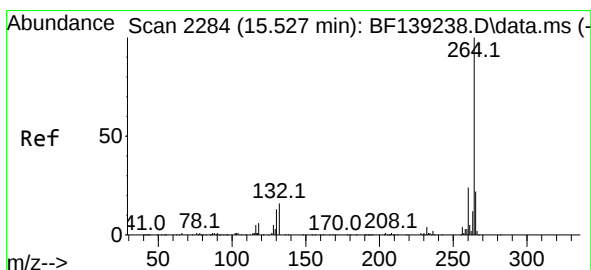
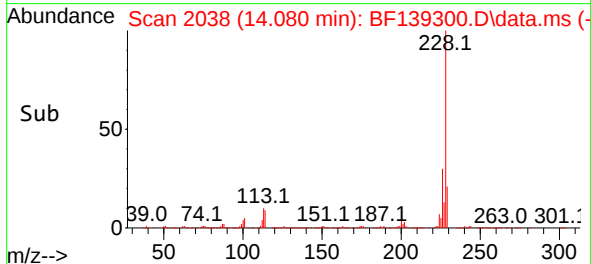
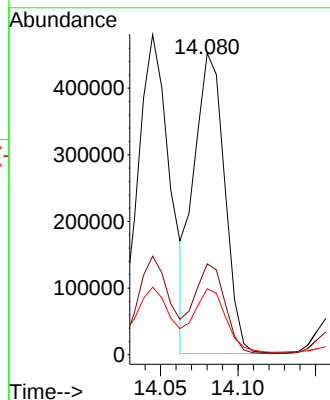
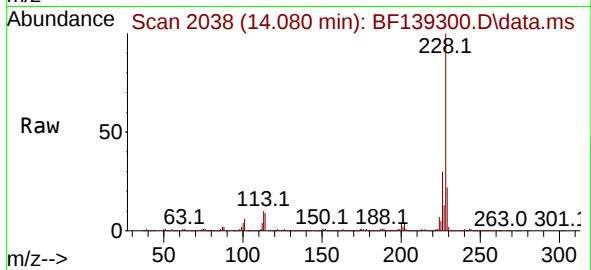
Tgt Ion:228 Resp: 621752

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 21.9 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

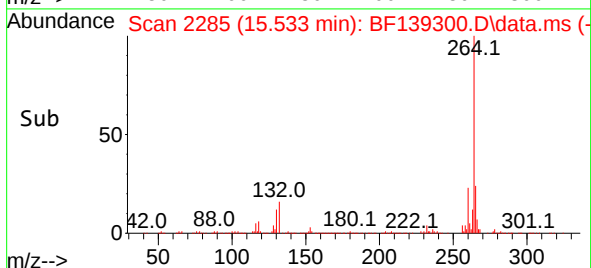
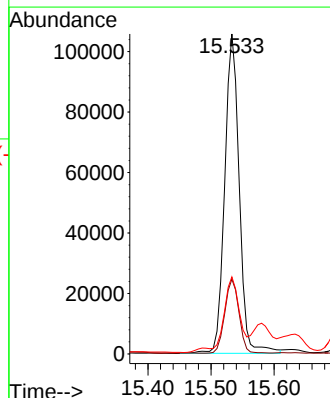
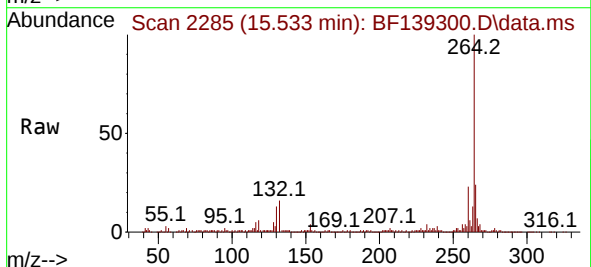
Tgt Ion:264 Resp: 168815

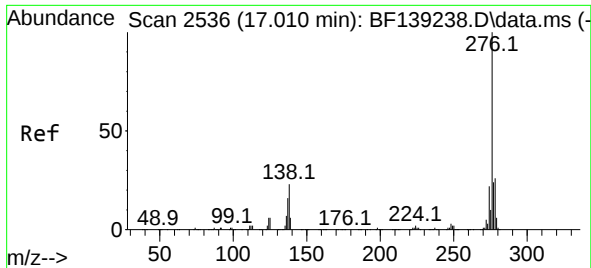
Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 24.1 17.3 25.9

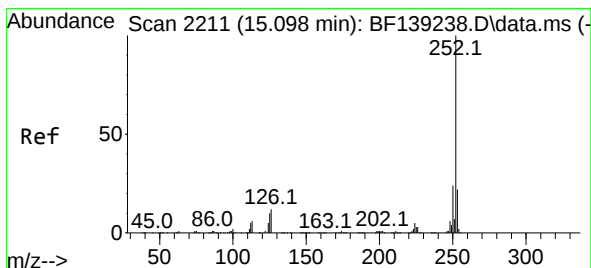
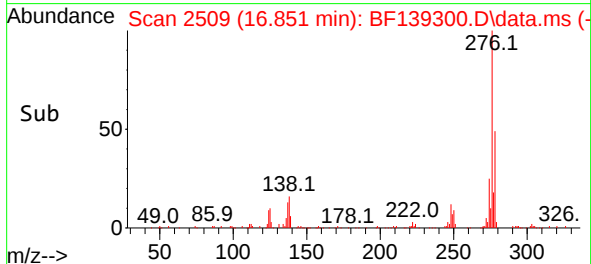
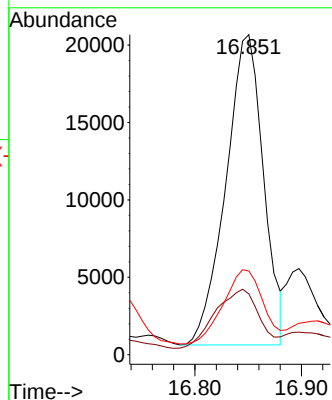
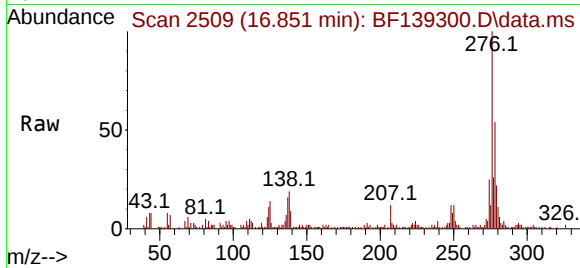




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.668 ng
 RT: 16.851 min Scan# 21
 Delta R.T. -0.159 min
 Lab File: BF139300.D
 Acq: 10 Sep 2024 15:29

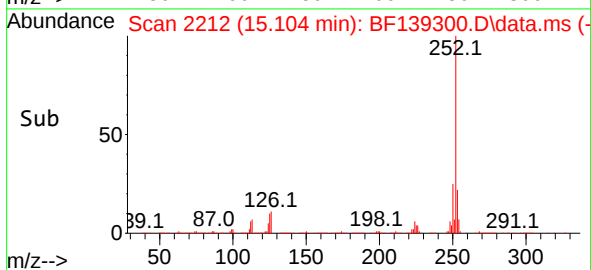
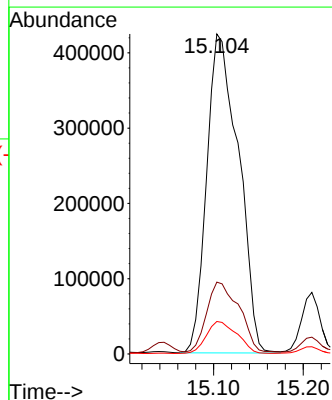
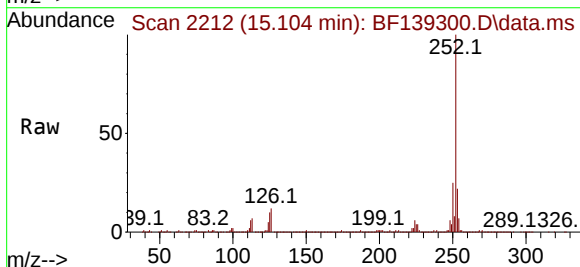
Instrument :
 BNA_F
 ClientSampleId :
 TP-3B

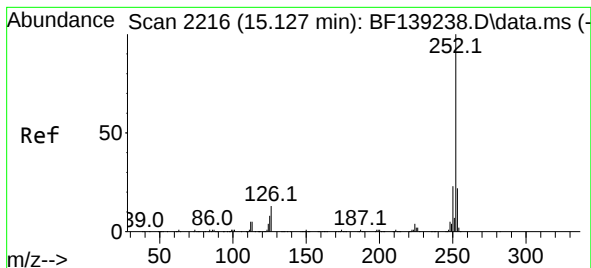
Tgt Ion:276 Resp: 49232
 Ion Ratio Lower Upper
 276 100
 138 22.4 20.4 30.6
 277 25.2 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 107.256 ng
 RT: 15.104 min Scan# 2212
 Delta R.T. 0.006 min
 Lab File: BF139300.D
 Acq: 10 Sep 2024 15:29

Tgt Ion:252 Resp: 1042744
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.6 26.4
 125 10.2 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 119.622 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

Instrument :

BNA_F

ClientSampleId :

TP-3B

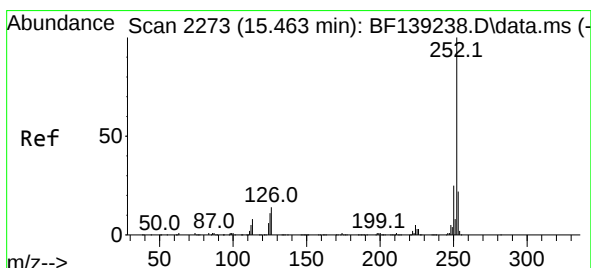
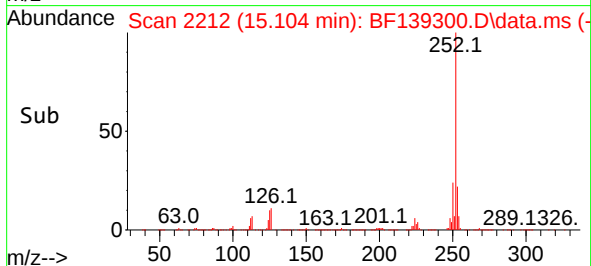
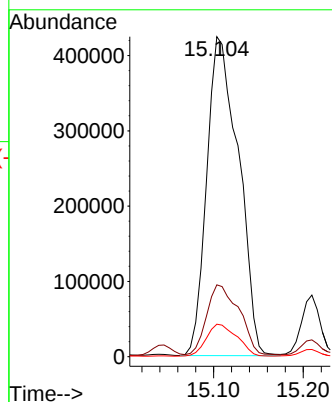
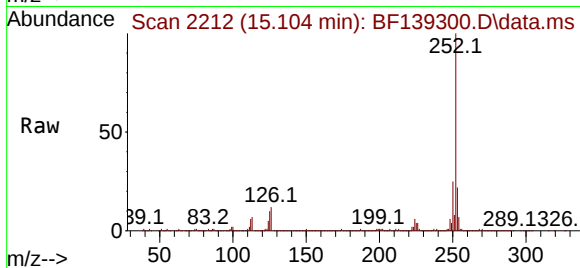
Tgt Ion:252 Resp: 1042744

Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

125 10.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 60.809 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF139300.D

Acq: 10 Sep 2024 15:29

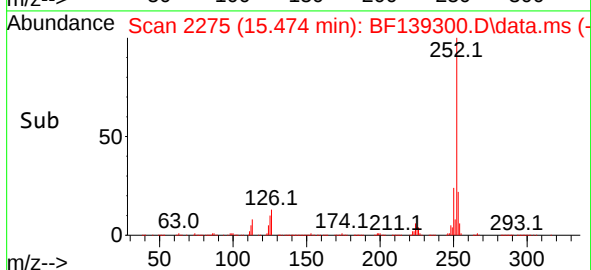
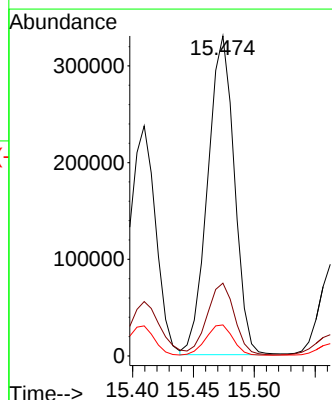
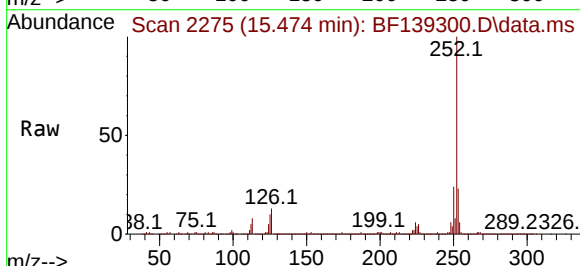
Tgt Ion:252 Resp: 501993

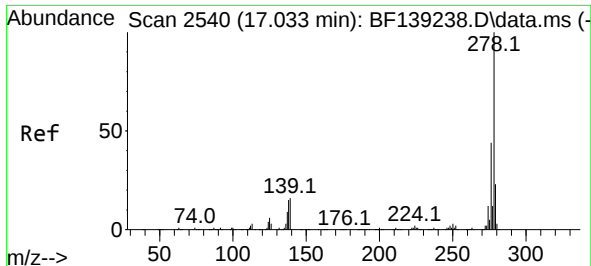
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.7 8.6 13.0

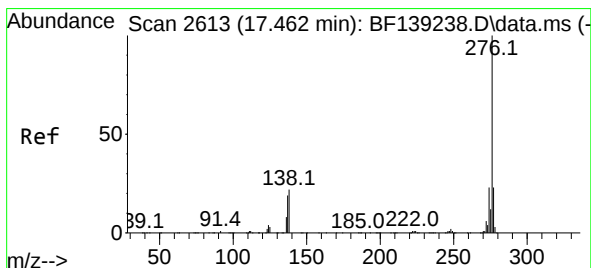
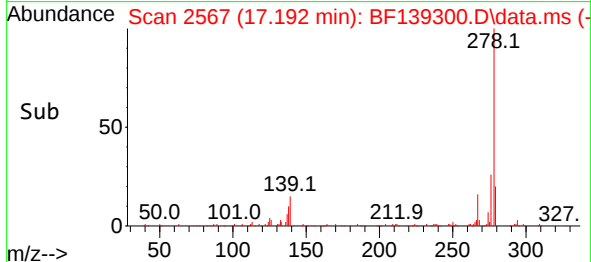
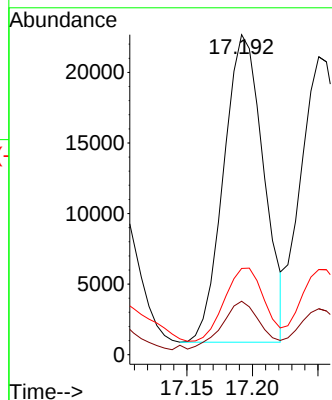
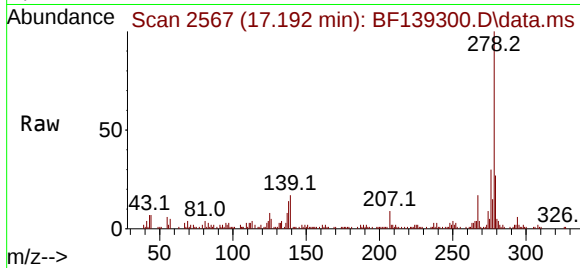




#91
Dibenzo(a,h)anthracene
Concen: 5.335 ng
RT: 17.192 min Scan# 2567
Delta R.T. 0.159 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Instrument :
BNA_F
ClientSampleId :
TP-3B

Tgt Ion:278 Resp: 46364
Ion Ratio Lower Upper
278 100
139 16.7 12.6 19.0
279 26.9 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 27.984 ng
RT: 17.462 min Scan# 2613
Delta R.T. -0.000 min
Lab File: BF139300.D
Acq: 10 Sep 2024 15:29

Tgt Ion:276 Resp: 251046
Ion Ratio Lower Upper
276 100
277 23.8 18.6 27.8
138 20.3 17.4 26.0

