

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139276.D
 Acq On : 06 Sep 2024 14:32
 Operator : RC/JU
 Sample : P3861-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-37

Quant Time: Sep 06 14:52:43 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)

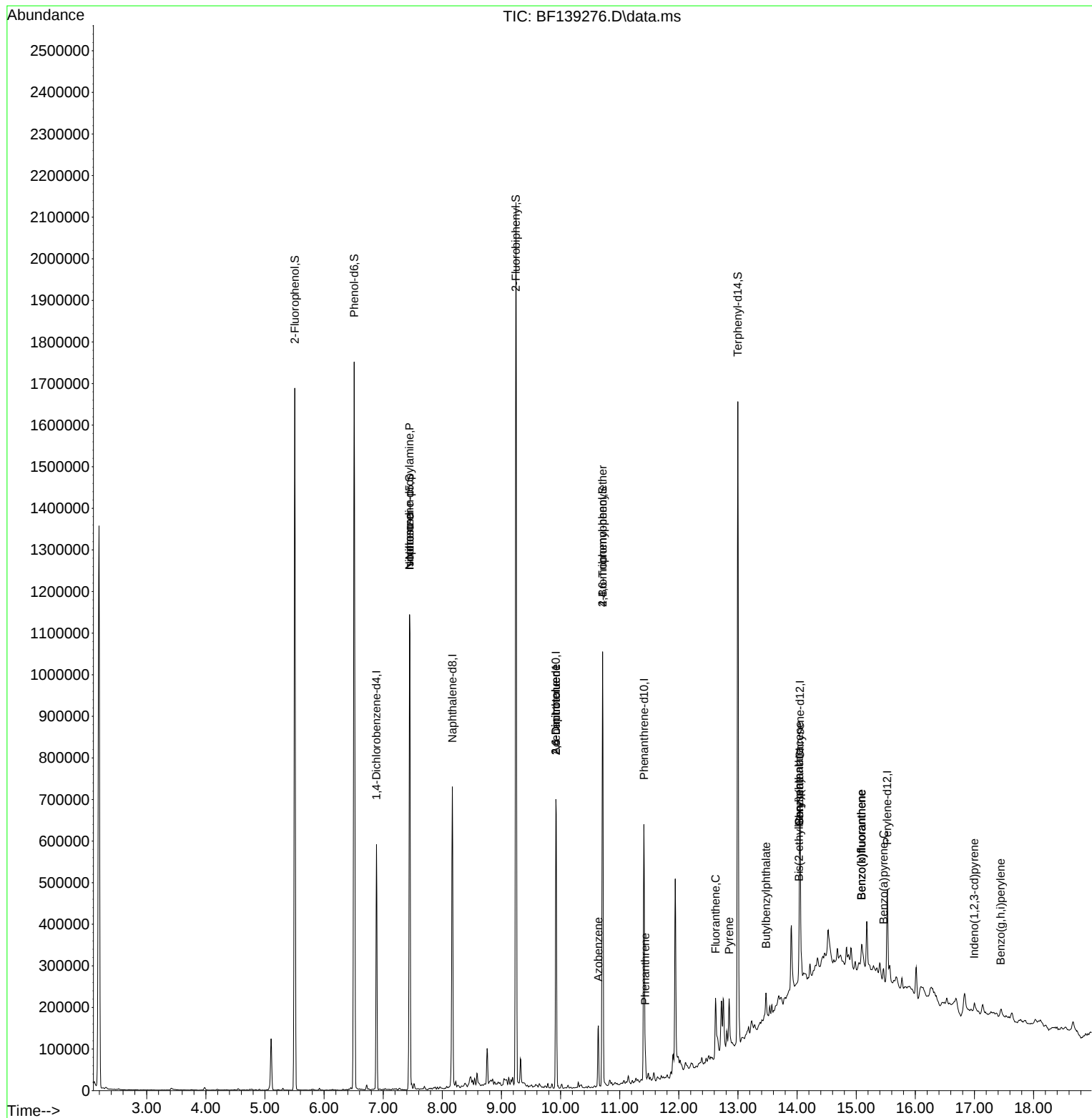
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	113163	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	409795	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	202561	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	311593	20.000	ng	0.00
76) Chrysene-d12	14.051	240	179914	20.000	ng	0.00
86) Perylene-d12	15.527	264	129912	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	555508	82.120	ng	0.00
7) Phenol-d6	6.510	99	760111	84.170	ng	0.00
23) Nitrobenzene-d5	7.445	82	483515	61.381	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	150532	86.060	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	895670	68.256	ng	0.00
79) Terphenyl-d14	12.998	244	714637	64.133	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	67978	13.070	ng	# 76
25) Isophorone	7.445	82	481274	35.736	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	27465	9.861	ng	# 18
57) 2,4-Dinitrotoluene	9.922	165	27465	7.747	ng	# 18
63) Azobenzene	10.639	77	36627	2.876	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10530	3.483	ng	# 1
71) Phenanthrene	11.433	178	32311	2.220	ng	98
75) Fluoranthene	12.622	202	73370	5.028	ng	100
78) Pyrene	12.851	202	67104	3.861	ng	98
80) Butylbenzylphthalate	13.474	149	11487	2.808	ng	97
81) Benzo(a)anthracene	14.039	228	34314	2.987	ng	# 91
83) Chrysene	14.039	228	34314	3.200	ng	95
84) Bis(2-ethylhexyl)phtha...	14.033	149	12266	2.554	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.998	276	16633	2.049	ng	95
88) Benzo(b)fluoranthene	15.092	252	44952	6.008	ng	# 83
89) Benzo(k)fluoranthene	15.092	252	44952	6.701	ng	# 83
90) Benzo(a)pyrene	15.463	252	22297	3.510	ng	# 84
92) Benzo(g,h,i)perylene	17.445	276	20768	3.008	ng	# 93

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

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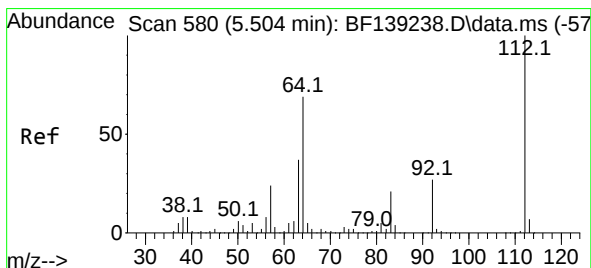
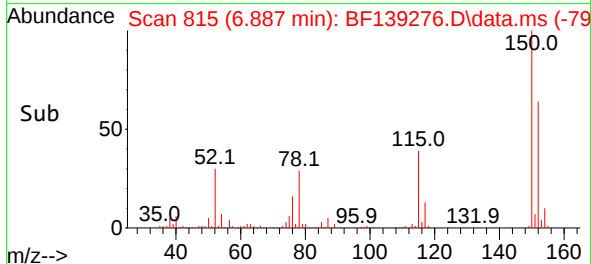
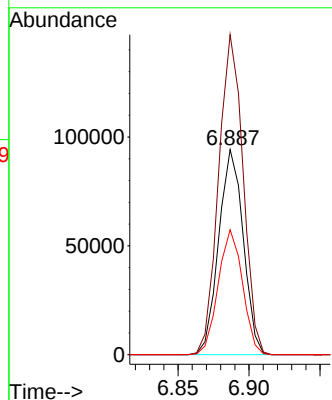
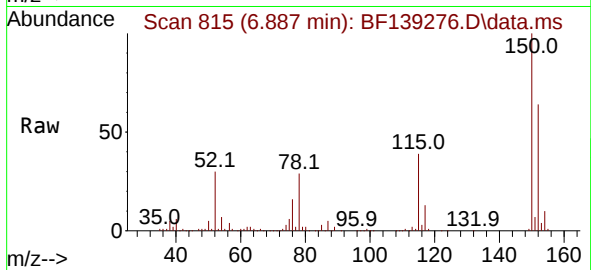




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

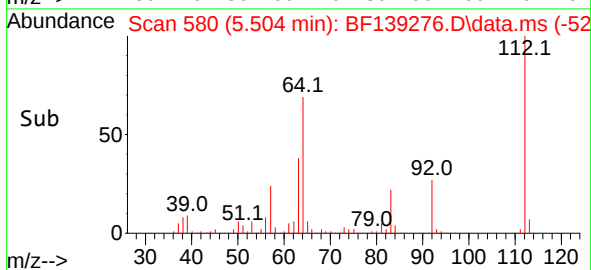
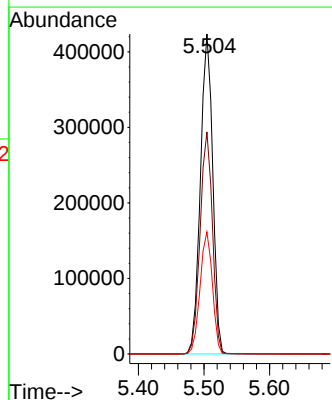
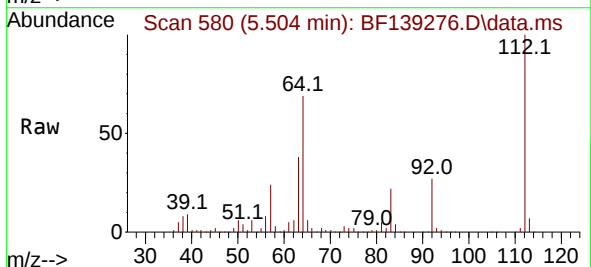
Instrument :
BNA_F
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DN-B-37

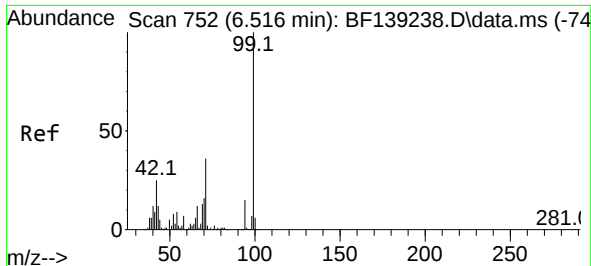
Tgt Ion:152 Resp: 113163
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.4
115 60.9 46.9 70.3



#5
2-Fluorophenol
Concen: 82.120 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.000 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion:112 Resp: 555508
Ion Ratio Lower Upper
112 100
64 69.4 55.0 82.4
63 38.1 29.9 44.9

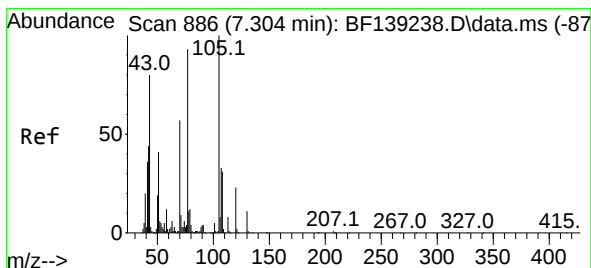
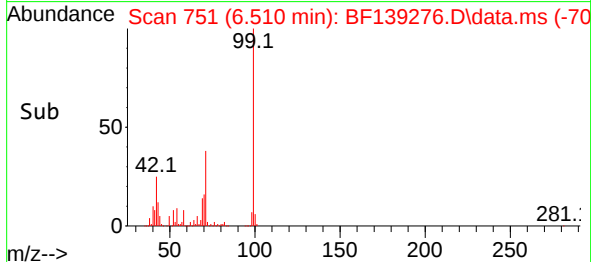
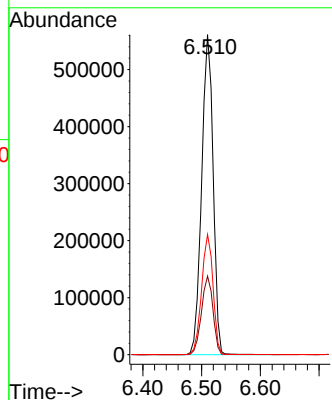
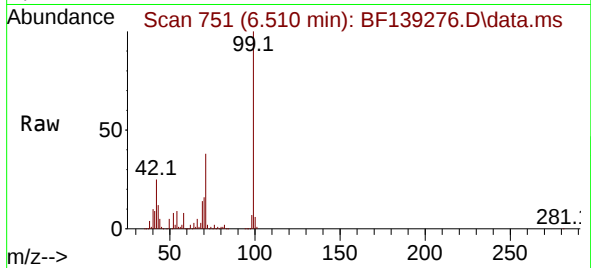




#7
Phenol-d6
Concen: 84.170 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

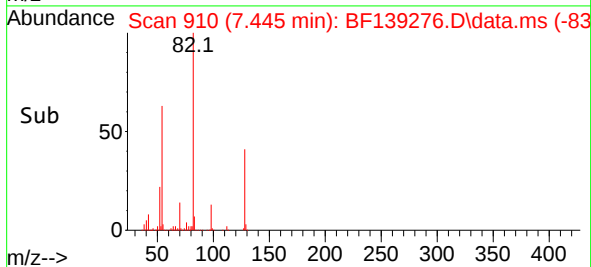
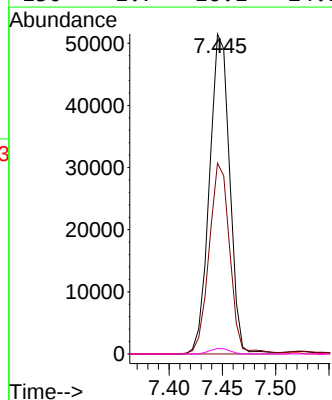
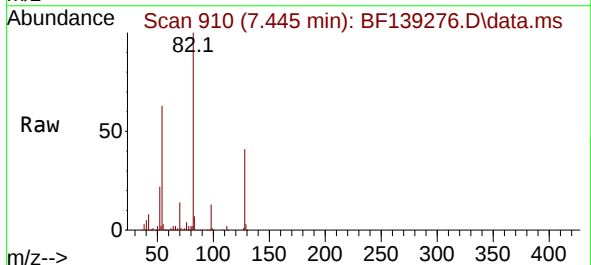
Instrument :
BNA_F
ClientSampleId :
DN-B-37

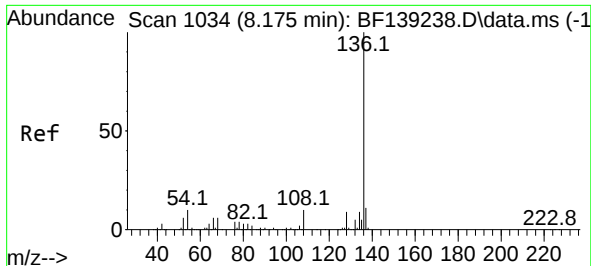
Tgt Ion: 99 Resp: 760111
Ion Ratio Lower Upper
99 100
42 24.5 19.8 29.6
71 37.6 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.070 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion: 70 Resp: 67978
Ion Ratio Lower Upper
70 100
42 59.6 61.0 91.6#
101 0.0 7.2 10.8#
130 1.7 16.1 24.1#

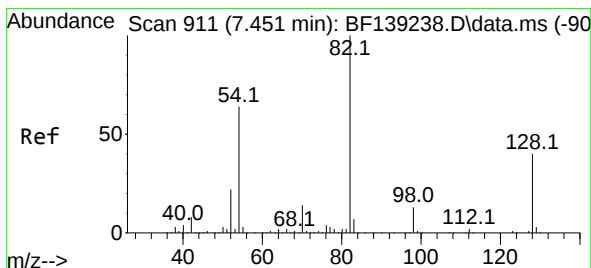
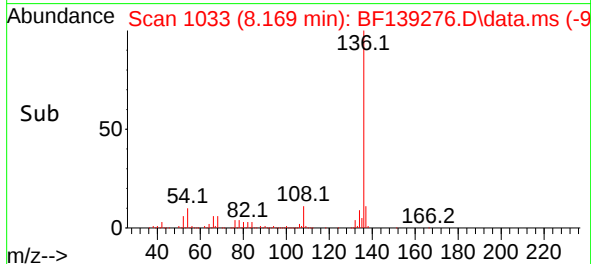
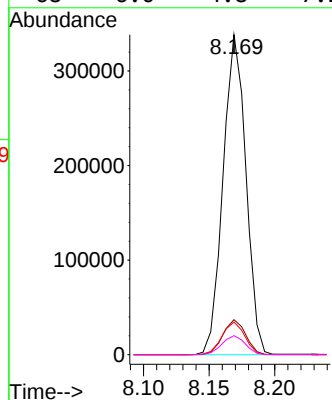
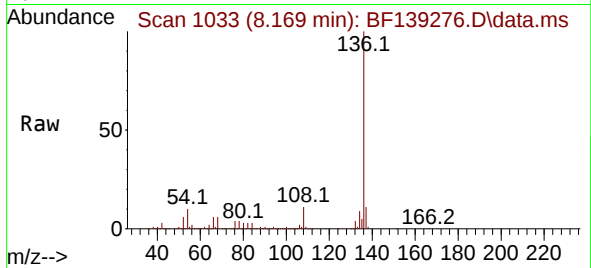




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

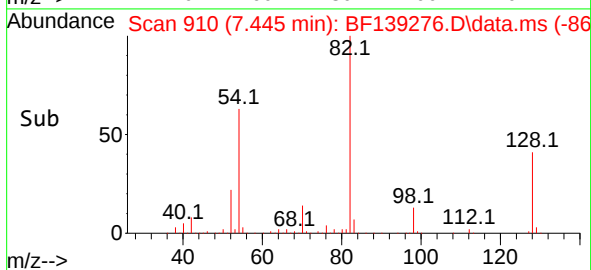
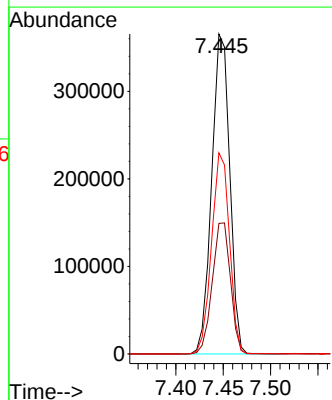
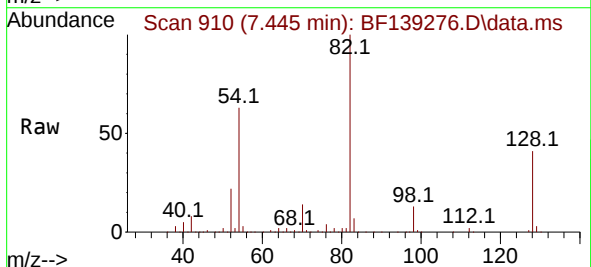
Instrument :
BNA_F
ClientSampleId :
DN-B-37

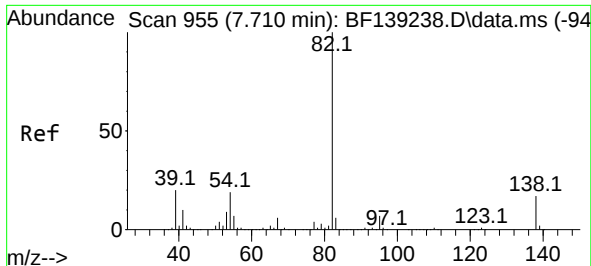
Tgt Ion:	136	Resp:	409795
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.4	12.6
68	6.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 61.381 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion:	82	Resp:	483515
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.3	48.5
54	62.8	51.2	76.8

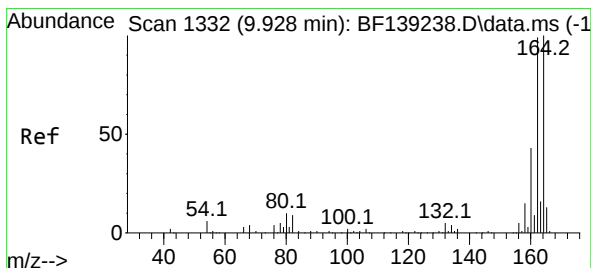
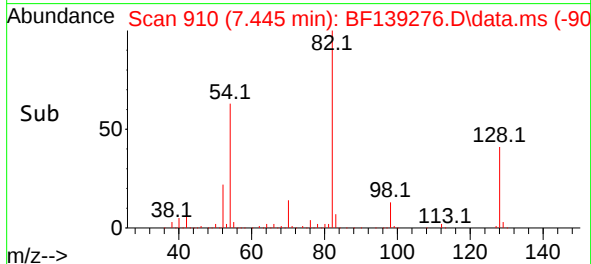
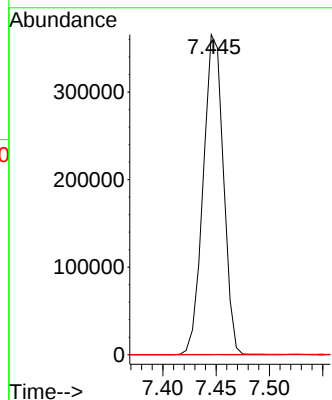
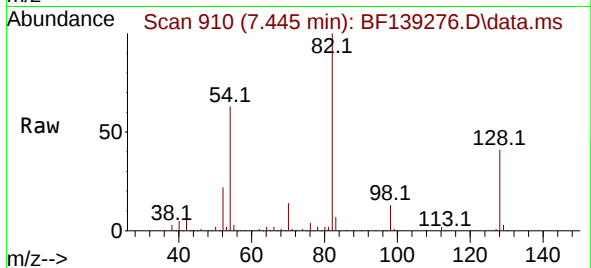




#25
Isophorone
Concen: 35.736 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

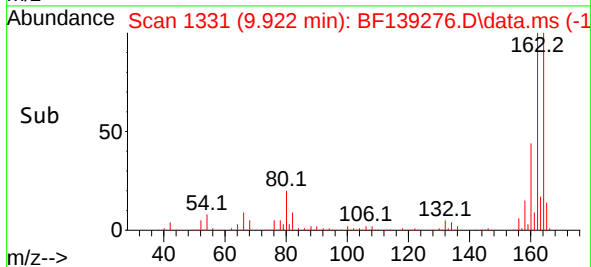
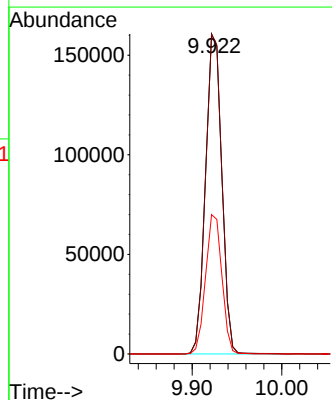
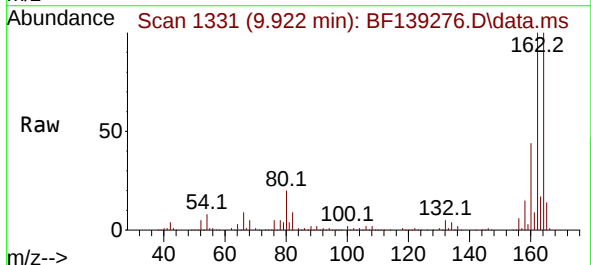
Instrument :
BNA_F
ClientSampleId :
DN-B-37

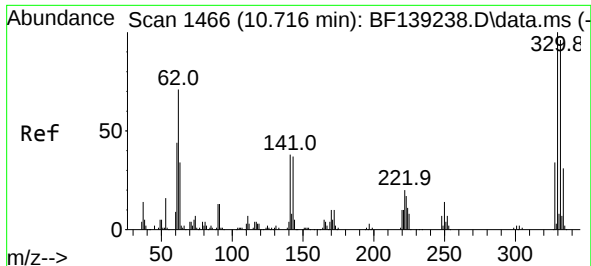
Tgt Ion: 82 Resp: 481274
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion:164 Resp: 202561
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 43.6 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 86.060 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

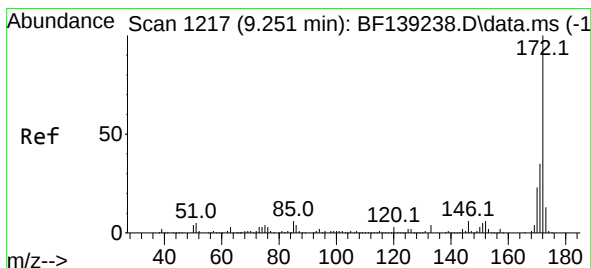
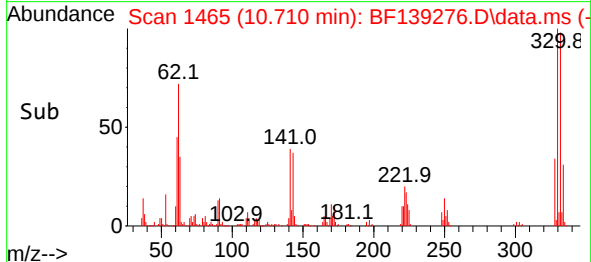
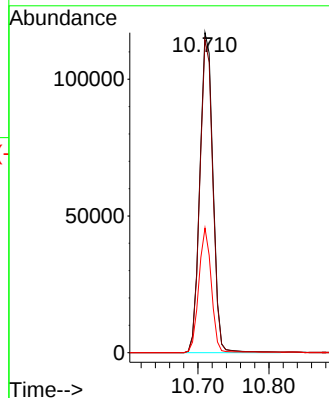
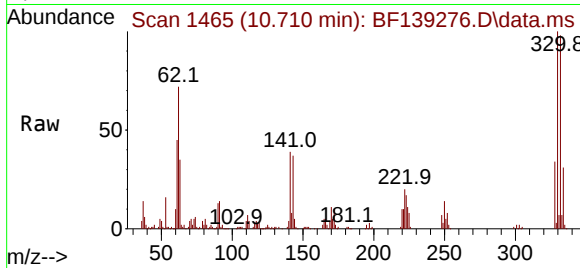
Tgt Ion:330 Resp: 150532

Ion Ratio Lower Upper

330 100

332 97.4 76.6 115.0

141 37.4 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 68.256 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

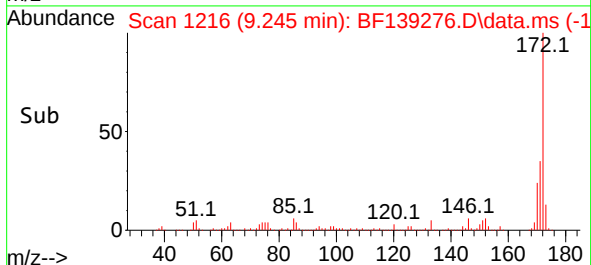
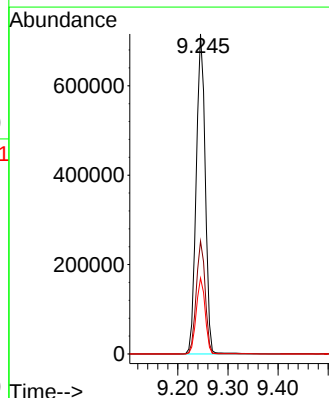
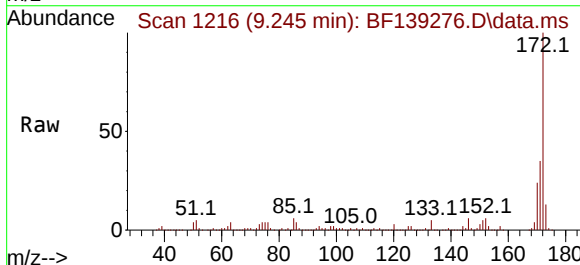
Tgt Ion:172 Resp: 895670

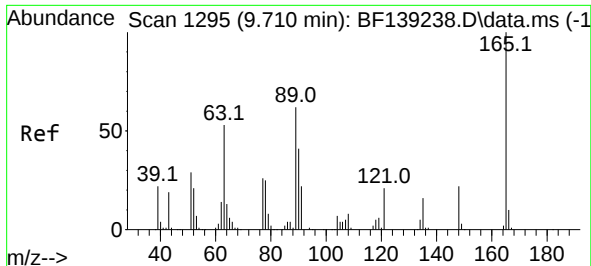
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.7 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.861 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

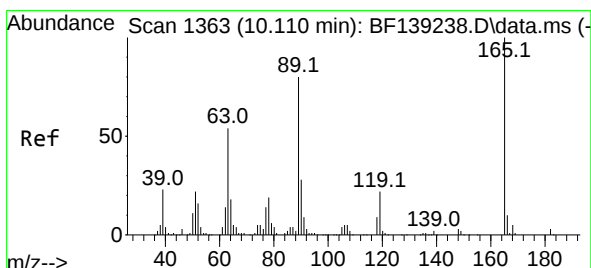
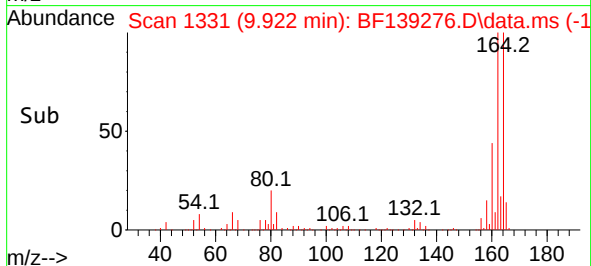
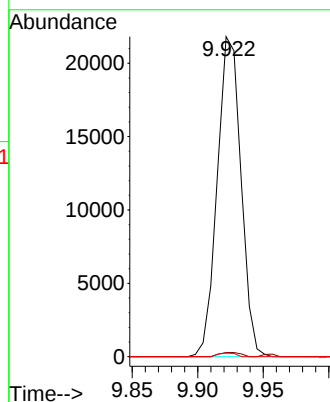
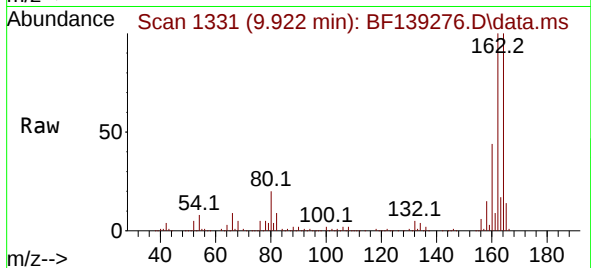
Tgt Ion:165 Resp: 27465

Ion Ratio Lower Upper

165 100

63 1.3 56.1 84.1#

89 1.1 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.747 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Tgt Ion:165 Resp: 27465

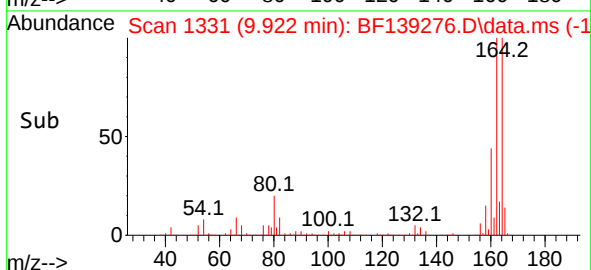
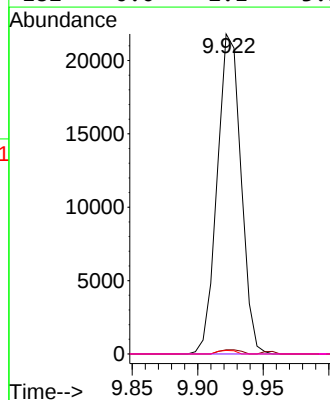
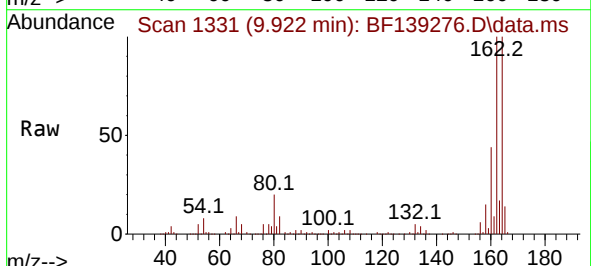
Ion Ratio Lower Upper

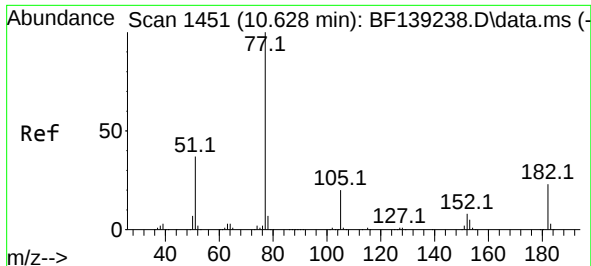
165 100

63 1.3 43.4 65.0#

89 1.1 64.2 96.4#

182 0.0 2.1 3.1#

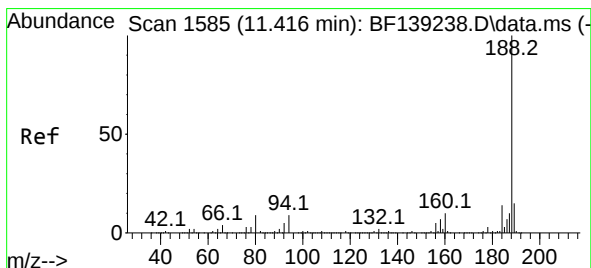
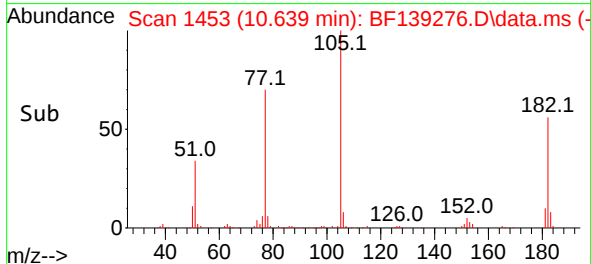
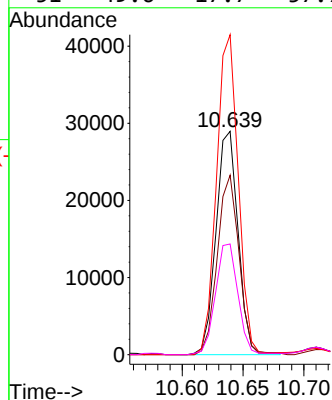
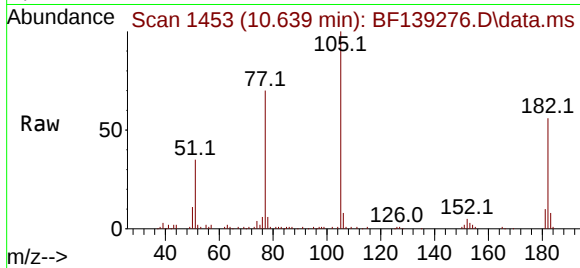




#63
Azobenzene
Concen: 2.876 ng
RT: 10.639 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

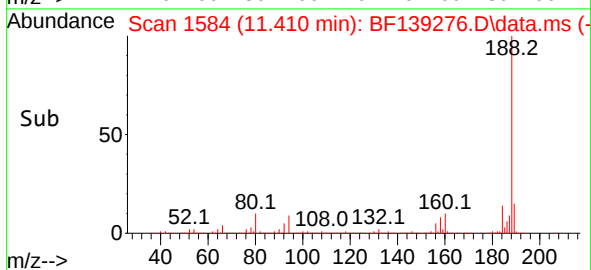
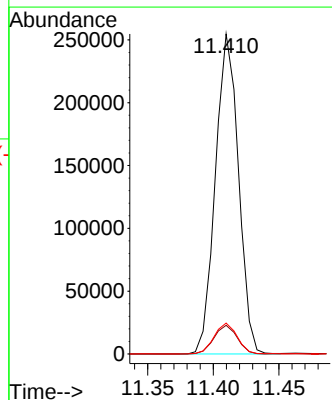
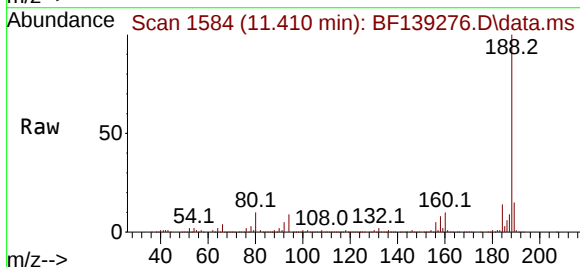
Instrument :
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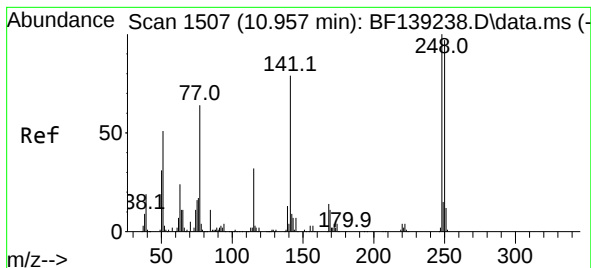
Tgt Ion: 77 Resp: 36627
Ion Ratio Lower Upper
77 100
182 80.4 3.0 43.0#
105 143.3 0.0 39.4#
51 49.6 17.7 57.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion: 188 Resp: 311593
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.4
80 9.6 7.3 10.9

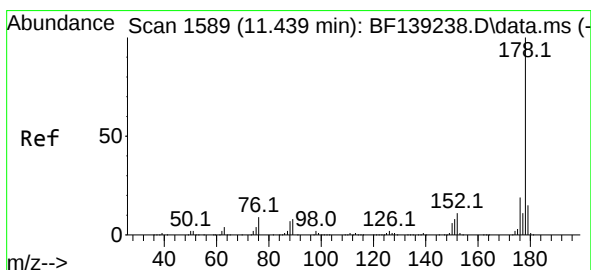
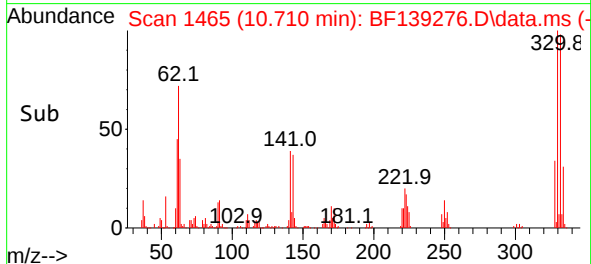
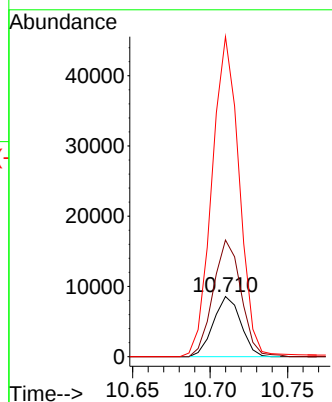
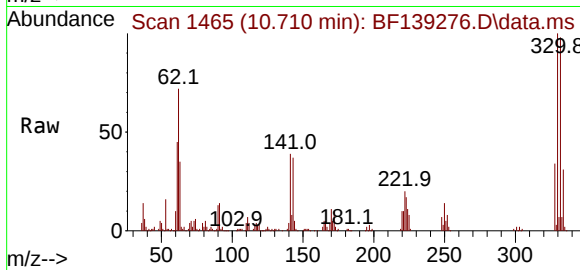




#67
4-Bromophenyl-phenylether
Concen: 3.483 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

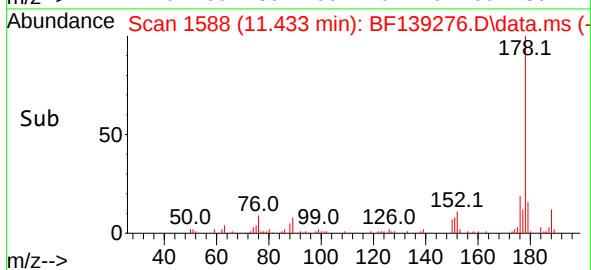
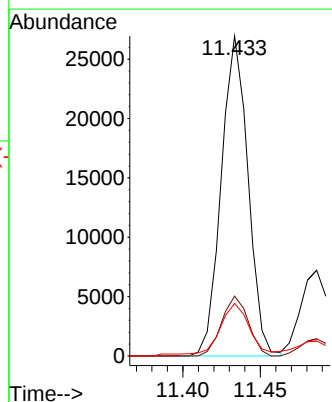
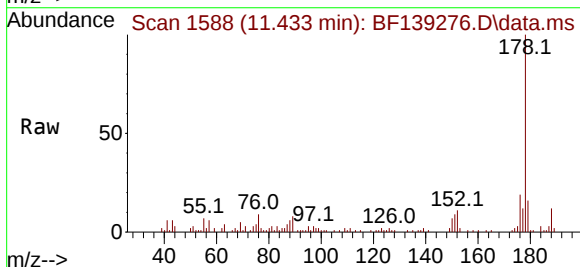
Instrument :
BNA_F
ClientSampleId :
DN-B-37

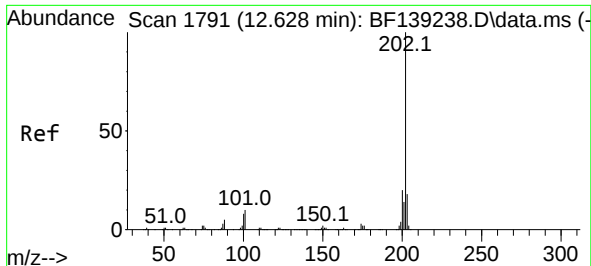
Tgt Ion:248 Resp: 10530
Ion Ratio Lower Upper
248 100
250 193.7 77.2 115.8#
141 531.6 63.6 95.4#



#71
Phenanthrene
Concen: 2.220 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion:178 Resp: 32311
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 16.4 12.3 18.5

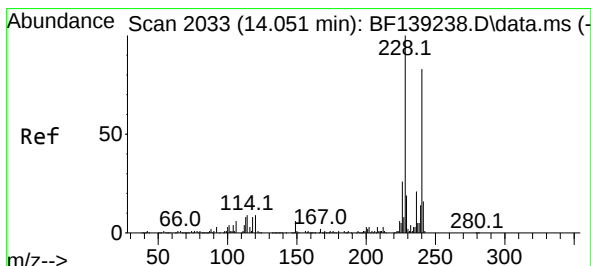
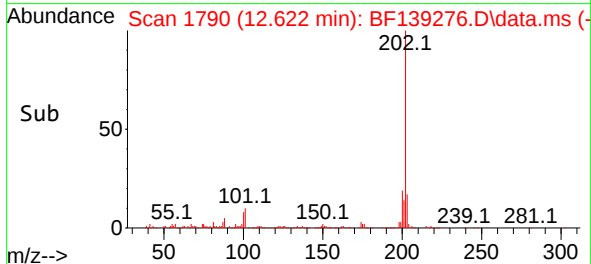
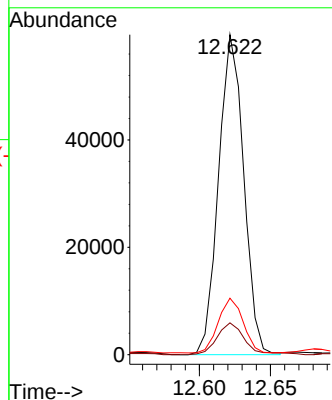
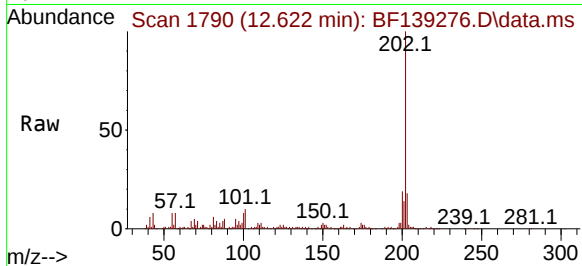




#75
Fluoranthene
Concen: 5.028 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

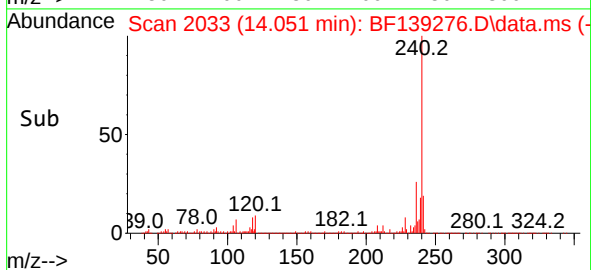
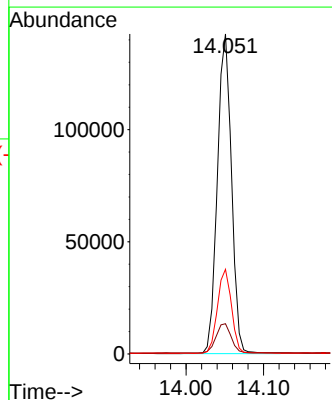
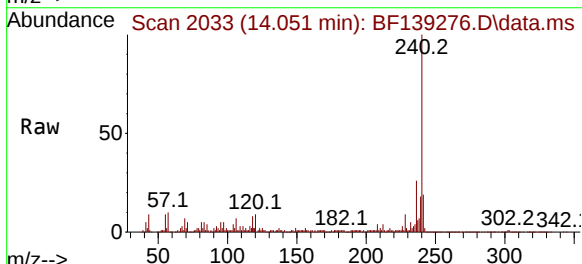
Instrument :
BNA_F
ClientSampleId :
DN-B-37

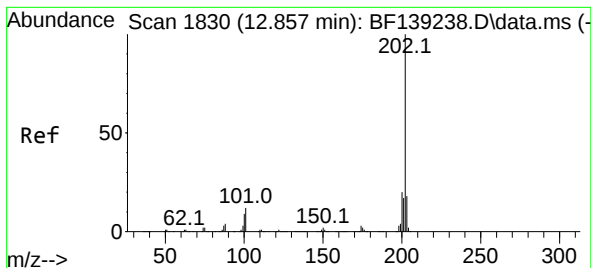
Tgt Ion:202 Resp: 73370
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.9
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139276.D
Acq: 06 Sep 2024 14:32

Tgt Ion:240 Resp: 179914
Ion Ratio Lower Upper
240 100
120 9.4 8.6 12.8
236 26.5 20.7 31.1





#78

Pyrene

Concen: 3.861 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

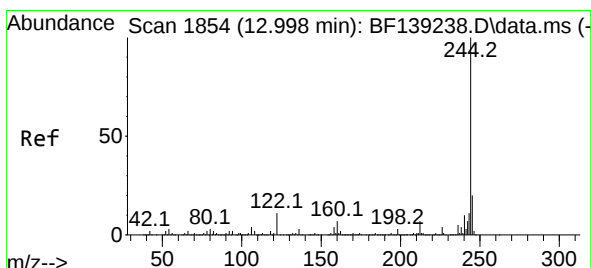
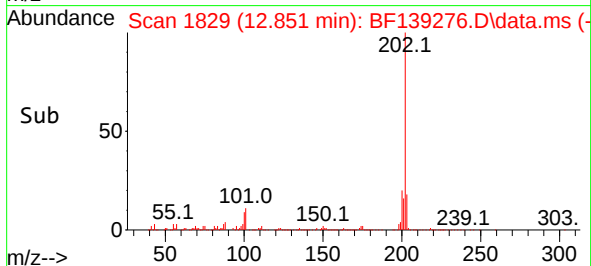
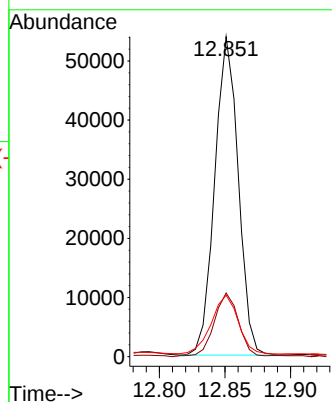
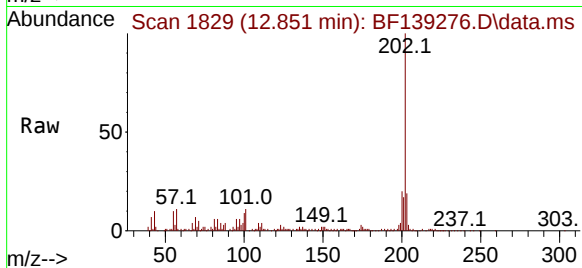
Tgt Ion:202 Resp: 67104

Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

203 19.2 14.1 21.1



#79

Terphenyl-d14

Concen: 64.133 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

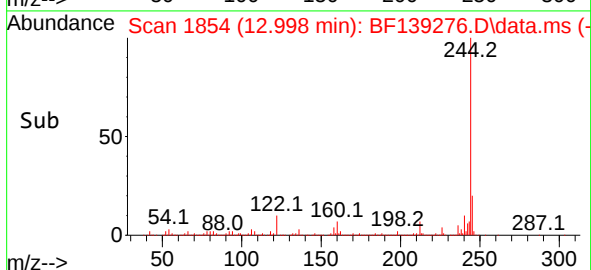
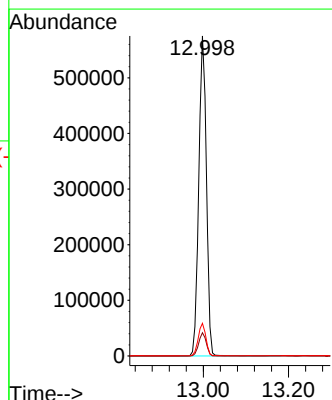
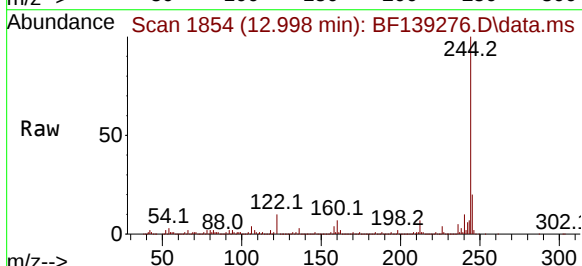
Tgt Ion:244 Resp: 714637

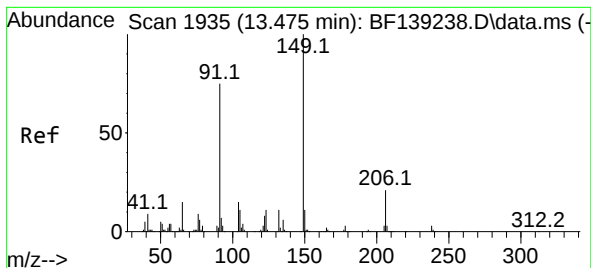
Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 10.2 8.7 13.1





#80

Butylbenzylphthalate

Concen: 2.808 ng

RT: 13.474 min Scan# 1935

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

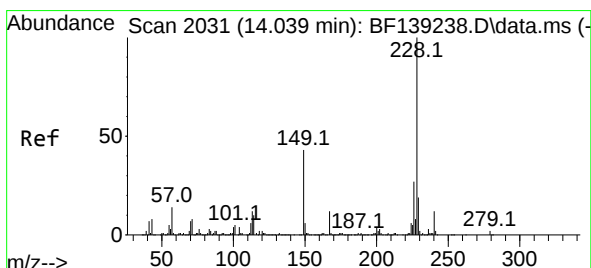
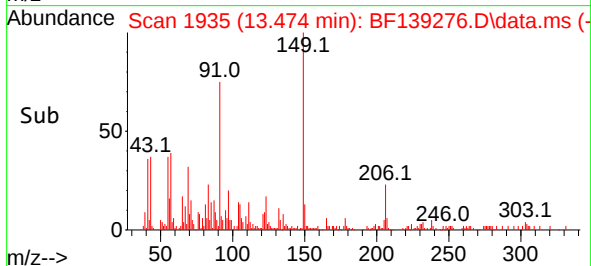
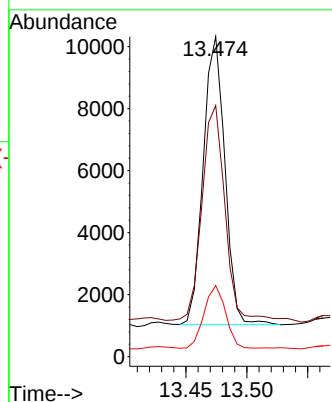
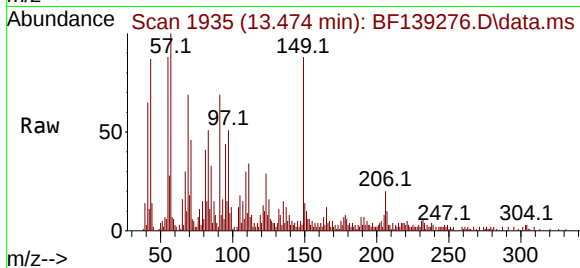
Tgt Ion:149 Resp: 11487

Ion Ratio Lower Upper

149 100

91 78.5 60.3 90.5

206 22.2 16.7 25.1



#81

Benzo(a)anthracene

Concen: 2.987 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

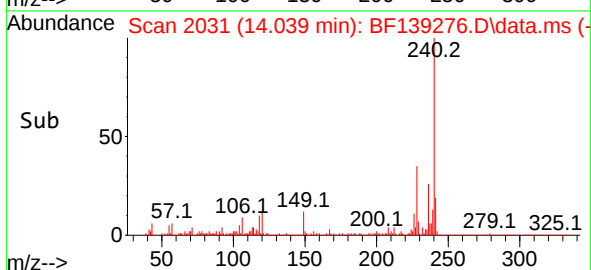
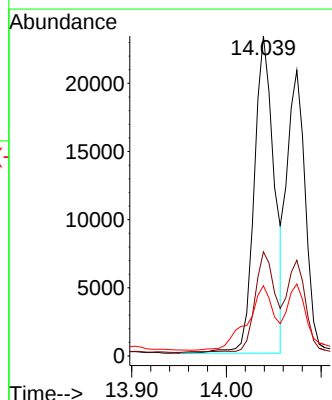
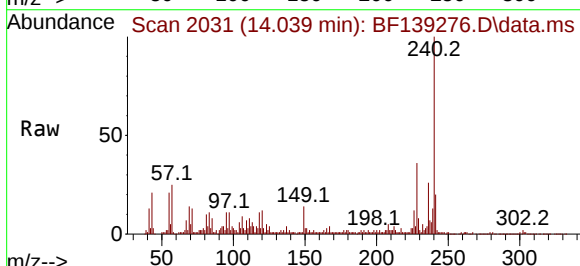
Tgt Ion:228 Resp: 34314

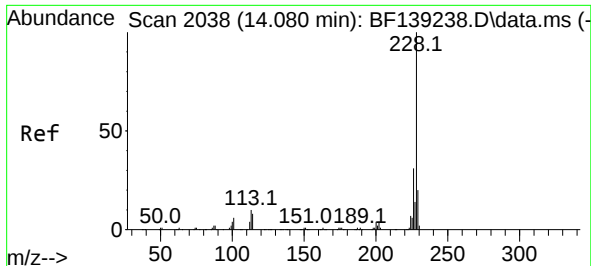
Ion Ratio Lower Upper

228 100

226 32.5 21.5 32.3#

229 21.9 15.6 23.4





#83

Chrysene

Concen: 3.200 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.041 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

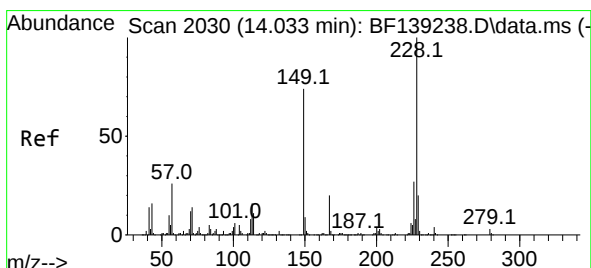
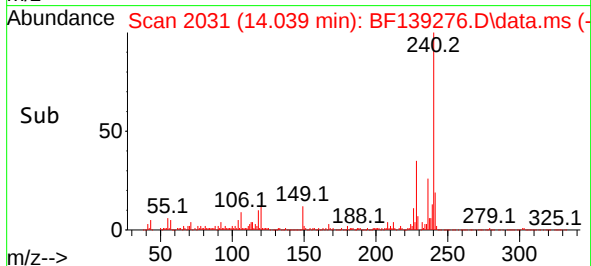
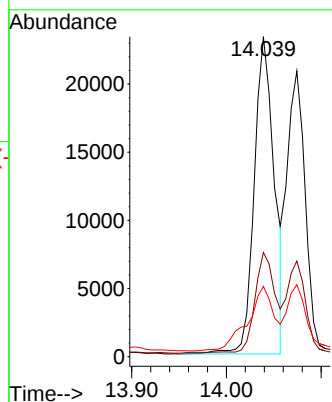
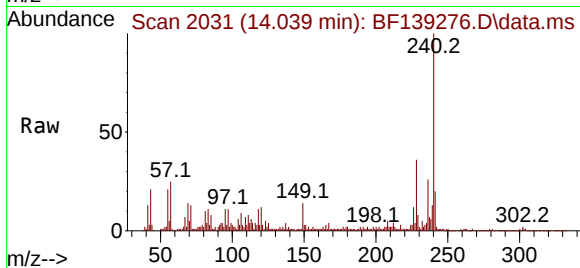
Tgt Ion:228 Resp: 34314

Ion Ratio Lower Upper

228 100

226 32.5 23.8 35.8

229 21.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.554 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

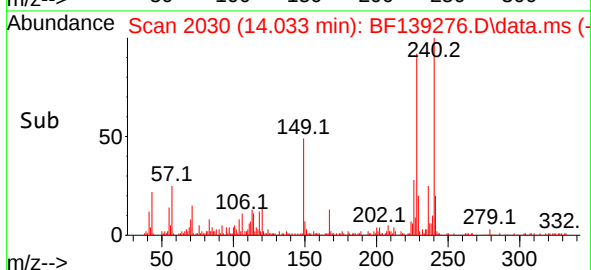
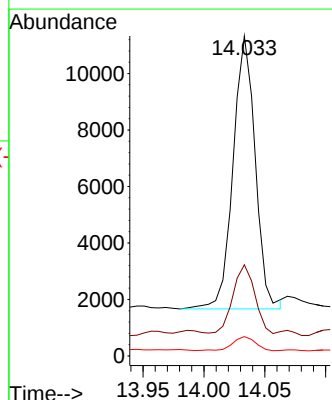
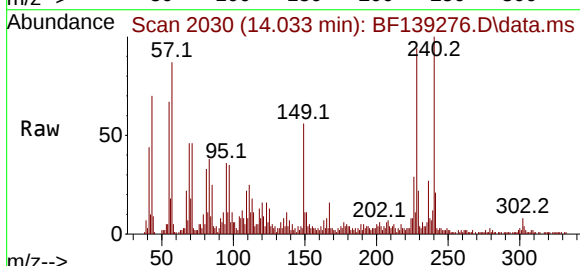
Tgt Ion:149 Resp: 12266

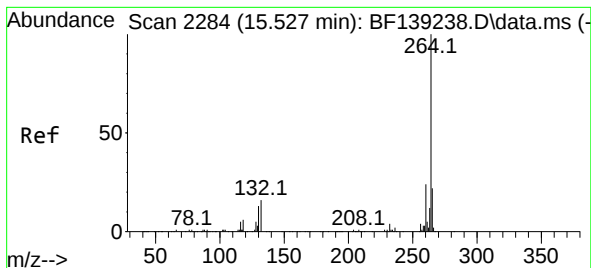
Ion Ratio Lower Upper

149 100

167 28.5 21.8 32.6

279 6.1 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

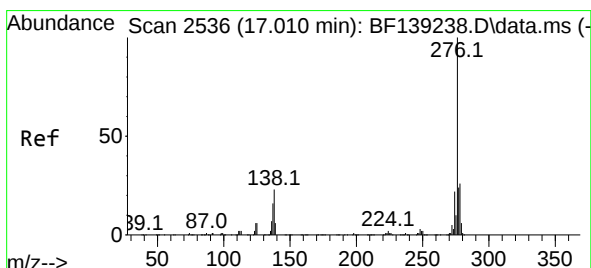
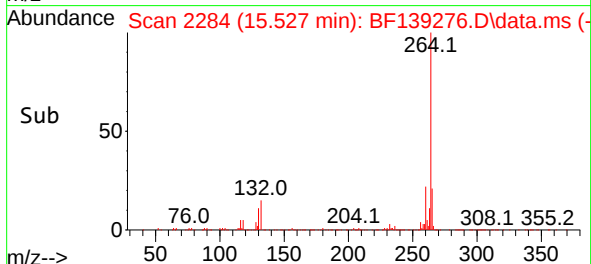
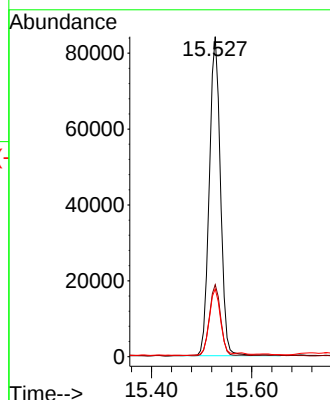
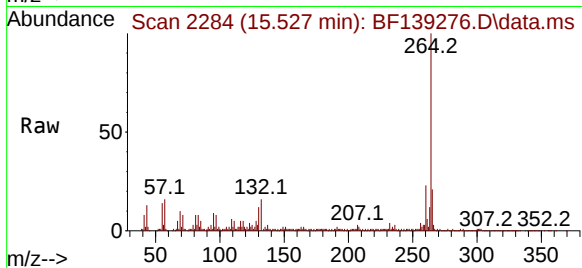
Tgt Ion:264 Resp: 129912

Ion Ratio Lower Upper

264 100

260 22.5 18.8 28.2

265 21.1 17.3 25.9



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.049 ng

RT: 16.998 min Scan# 2534

Delta R.T. -0.012 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

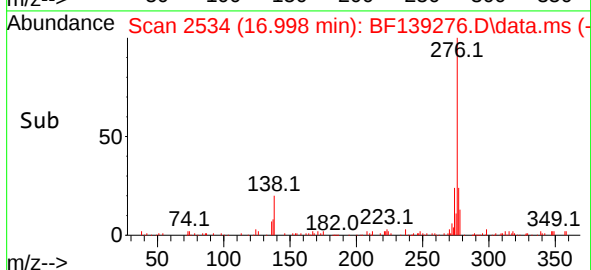
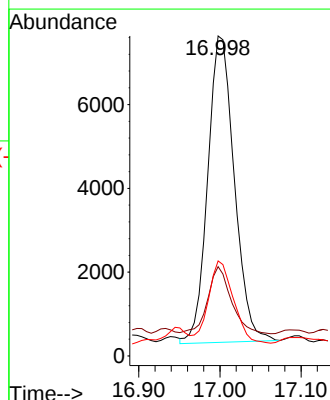
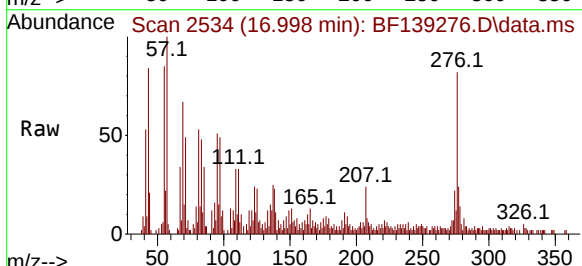
Tgt Ion:276 Resp: 16633

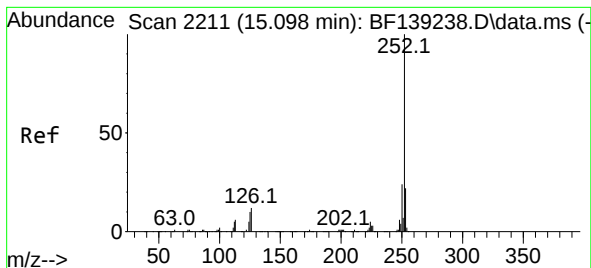
Ion Ratio Lower Upper

276 100

138 20.7 20.4 30.6

277 25.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.008 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

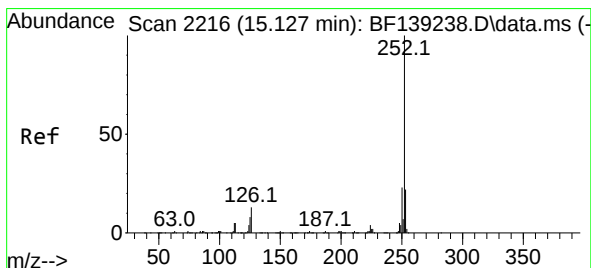
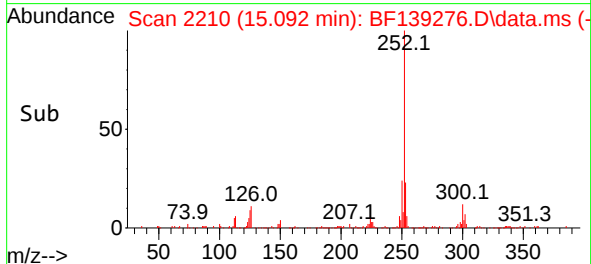
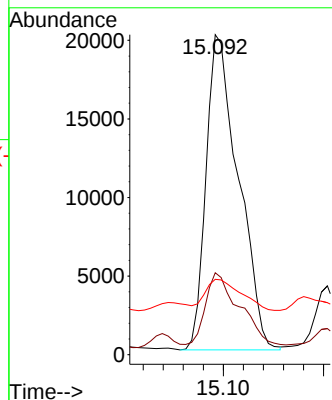
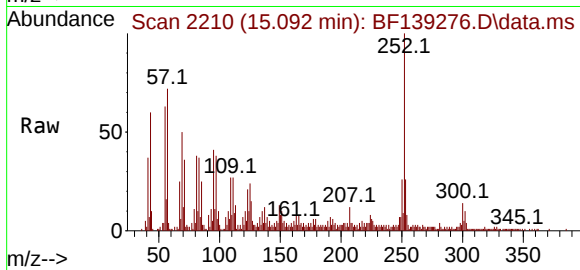
Tgt Ion:252 Resp: 44952

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 23.6 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 6.701 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.035 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

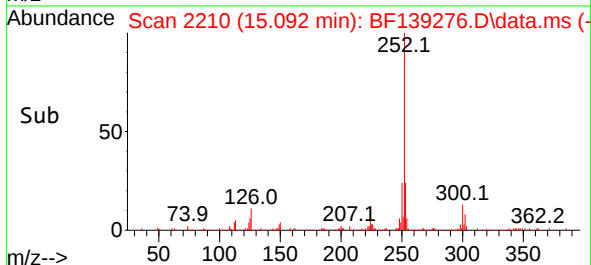
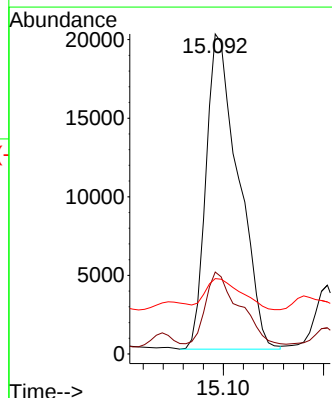
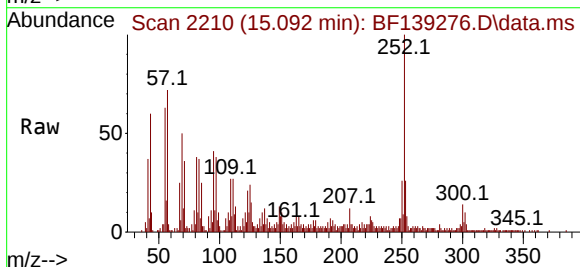
Tgt Ion:252 Resp: 44952

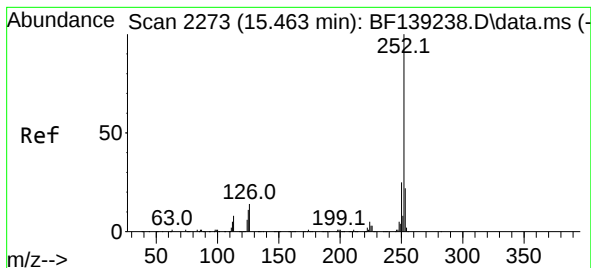
Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

125 23.6 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.510 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Instrument :

BNA_F

ClientSampleId :

DN-B-37

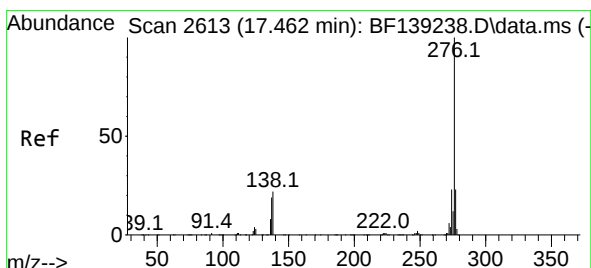
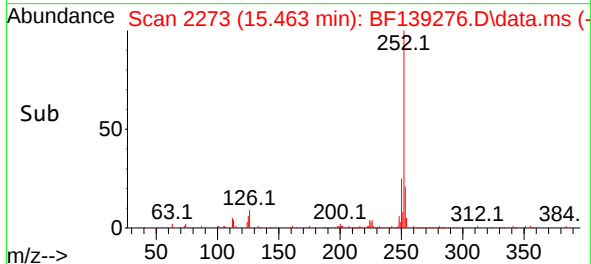
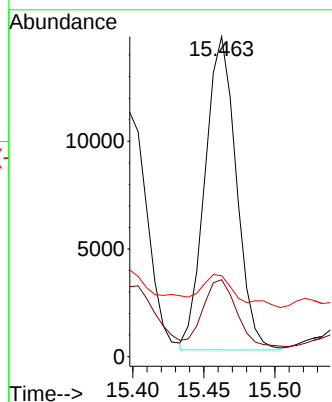
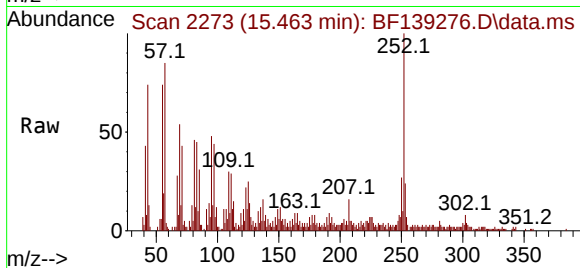
Tgt Ion:252 Resp: 22297

Ion Ratio Lower Upper

252 100

253 24.0 17.5 26.3

125 25.3 8.6 13.0#



#92

Benzo(g,h,i)perylene

Concen: 3.008 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF139276.D

Acq: 06 Sep 2024 14:32

Tgt Ion:276 Resp: 20768

Ion Ratio Lower Upper

276 100

277 25.2 18.6 27.8

138 26.2 17.4 26.0#

