

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091024\
 Data File : BF139296.D
 Acq On : 10 Sep 2024 13:30
 Operator : RC/JU
 Sample : P3905-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Sep 10 14:07:41 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

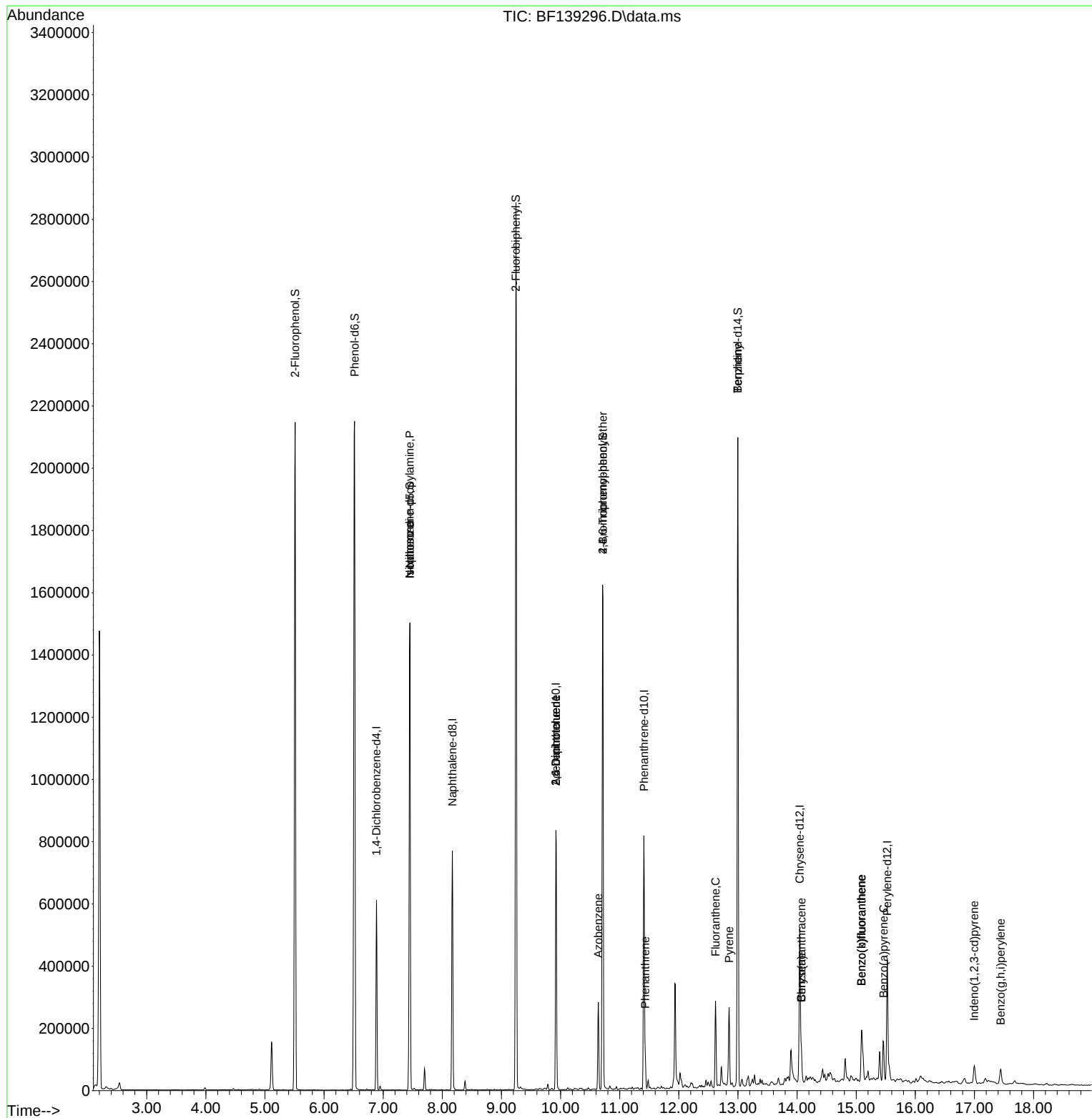
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	119170	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	442964	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	244692	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	415494	20.000	ng	0.00
76) Chrysene-d12	14.045	240	193845	20.000	ng	0.00
86) Perylene-d12	15.527	264	220179	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	756015	106.127	ng	0.00
7) Phenol-d6	6.516	99	1028604	108.160	ng	0.00
23) Nitrobenzene-d5	7.451	82	662683	77.827	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	252065	119.295	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1233599	77.822	ng	0.00
79) Terphenyl-d14	12.998	244	984296	81.984	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	89970	16.426	ng	# 75
25) Isophorone	7.451	82	660762	45.390	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	31124	9.251	ng	# 18
57) 2,4-Dinitrotoluene	9.922	165	31124	7.268	ng	# 18
63) Azobenzene	10.639	77	70952	4.612	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	17932	4.448	ng	# 1
71) Phenanthrene	11.433	178	54335	2.799	ng	98
75) Fluoranthene	12.621	202	149728	7.694	ng	99
77) Benzidine	12.998	184	13467	3.450	ng	# 92
78) Pyrene	12.851	202	145287	7.759	ng	99
81) Benzo(a)anthracene	14.074	228	56597	4.572	ng	95
83) Chrysene	14.074	228	56597	4.899	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	46533	3.383	ng	95
88) Benzo(b)fluoranthene	15.092	252	140256	11.061	ng	98
89) Benzo(k)fluoranthene	15.092	252	140256	12.336	ng	# 98
90) Benzo(a)pyrene	15.462	252	76127	7.070	ng	98
92) Benzo(g,h,i)perylene	17.445	276	42415	3.625	ng	97

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

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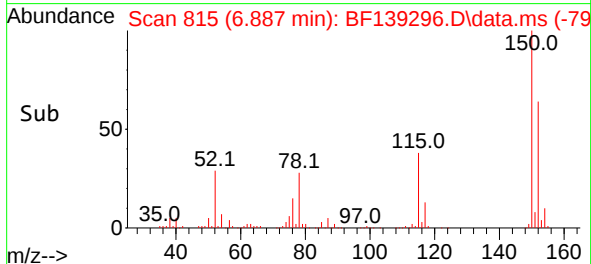
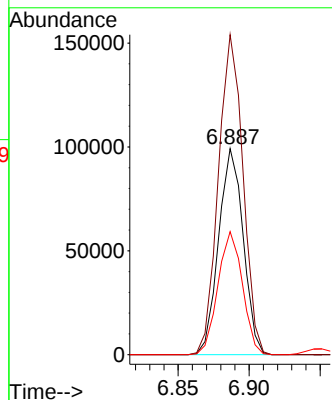
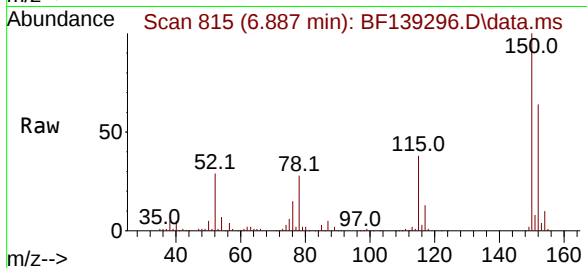




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

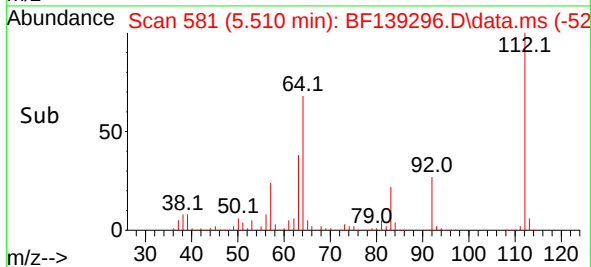
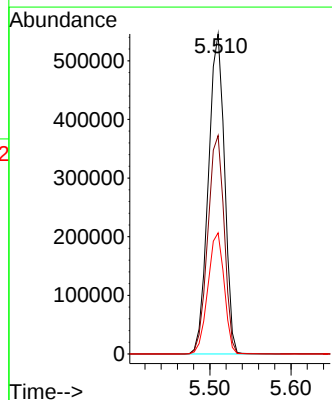
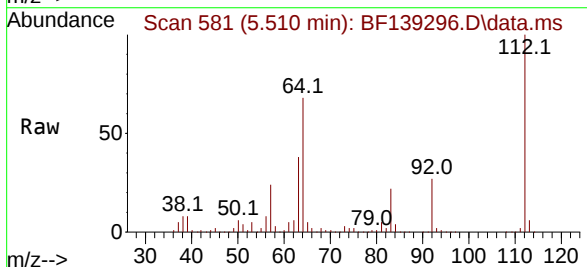
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 119170
Ion Ratio Lower Upper
152 100
150 155.3 127.0 190.4
115 59.7 46.9 70.3



#5
2-Fluorophenol
Concen: 106.127 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

Tgt Ion:112 Resp: 756015
Ion Ratio Lower Upper
112 100
64 68.3 55.0 82.4
63 37.9 29.9 44.9

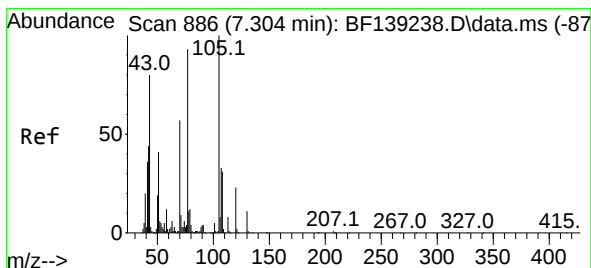
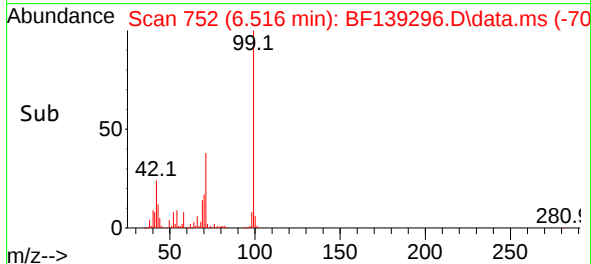
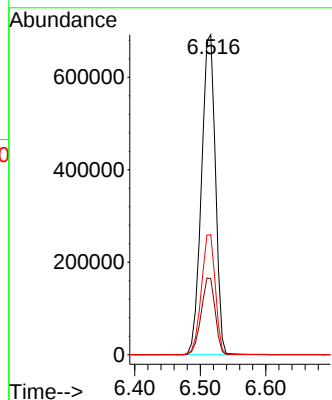
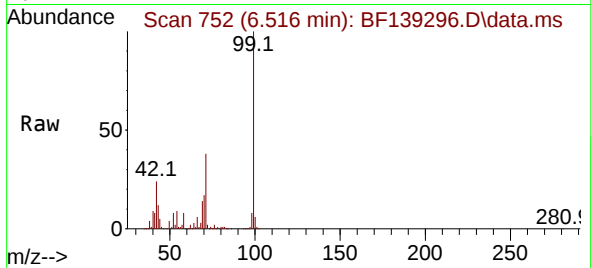




#7
Phenol-d6
Concen: 108.160 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

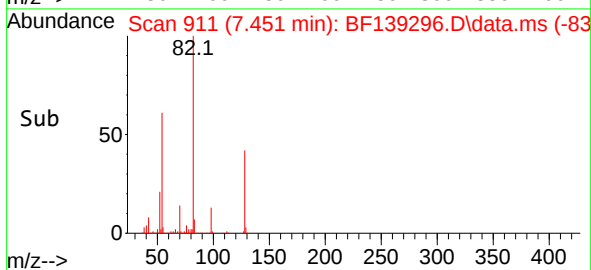
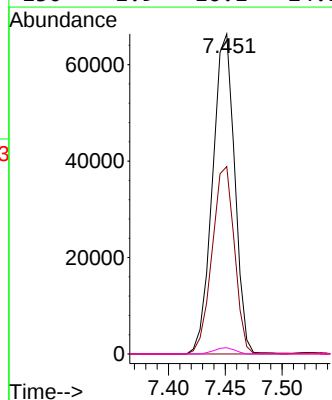
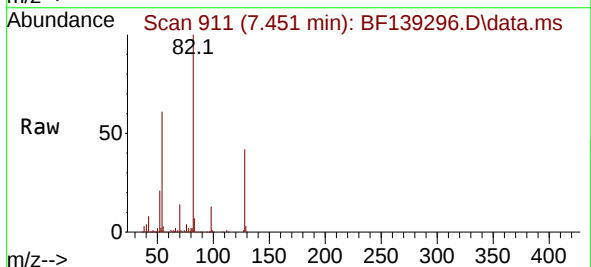
Instrument :
BNA_F
ClientSampleId :
COMP-1

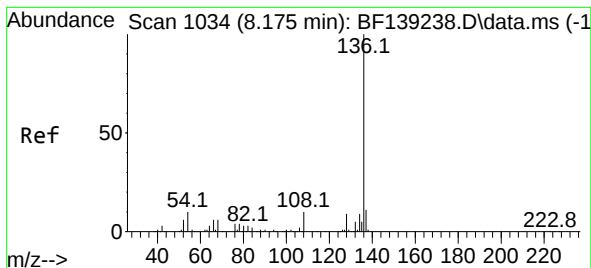
Tgt Ion: 99 Resp: 1028604
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.6
71 37.5 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 16.426 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.147 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

Tgt Ion: 70 Resp: 89970
Ion Ratio Lower Upper
70 100
42 58.5 61.0 91.6#
101 0.0 7.2 10.8#
130 1.9 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tgt Ion:136 Resp: 442964

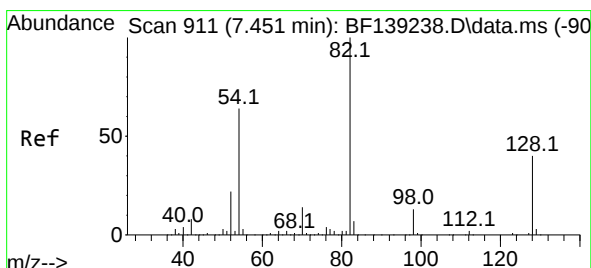
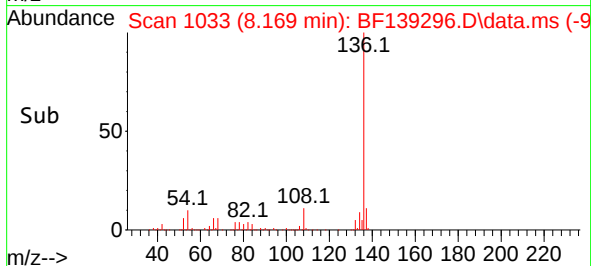
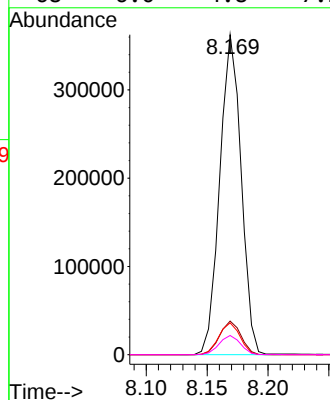
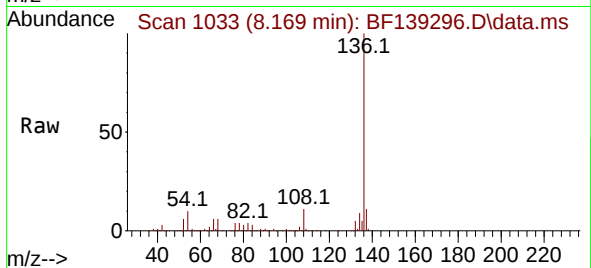
Ion Ratio Lower Upper

136 100

137 10.5 8.6 13.0

54 9.9 8.4 12.6

68 6.0 4.8 7.2



#23

Nitrobenzene-d5

Concen: 77.827 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.000 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

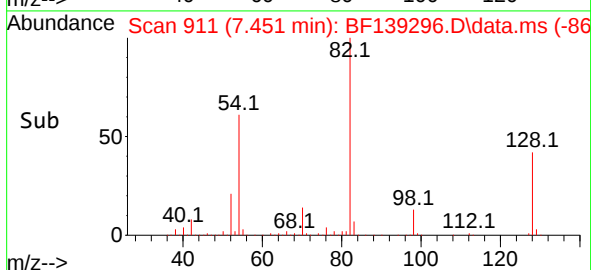
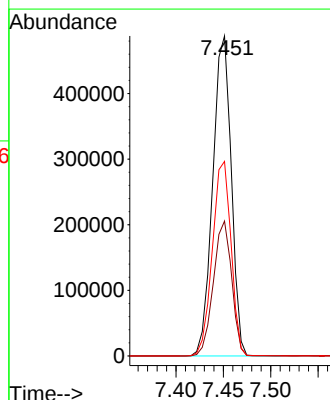
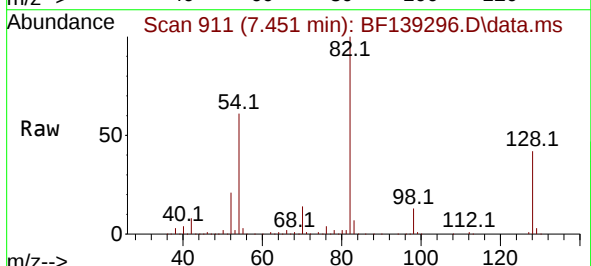
Tgt Ion: 82 Resp: 662683

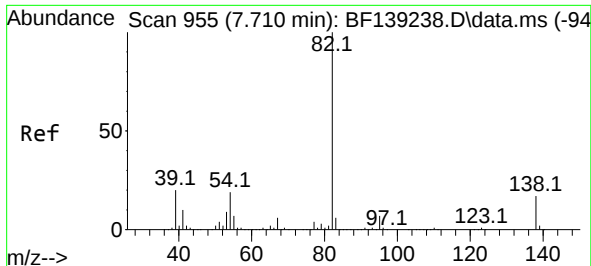
Ion Ratio Lower Upper

82 100

128 42.1 32.3 48.5

54 60.8 51.2 76.8

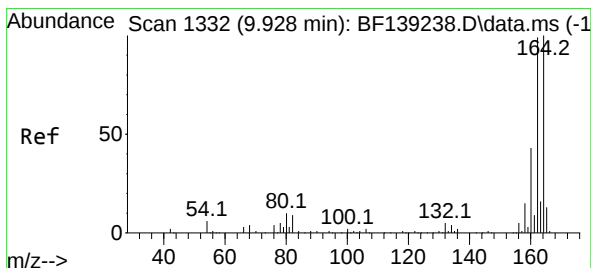
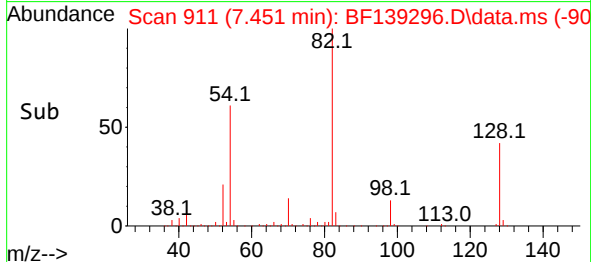
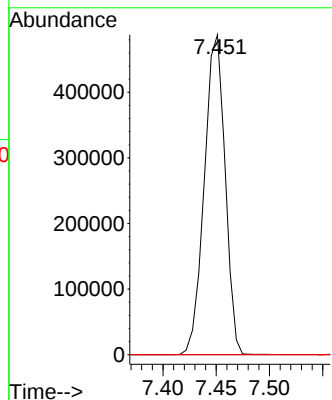
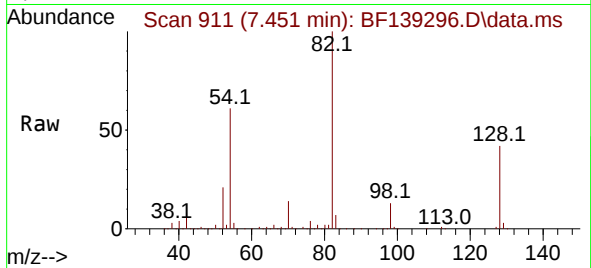




#25
Isophorone
Concen: 45.390 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

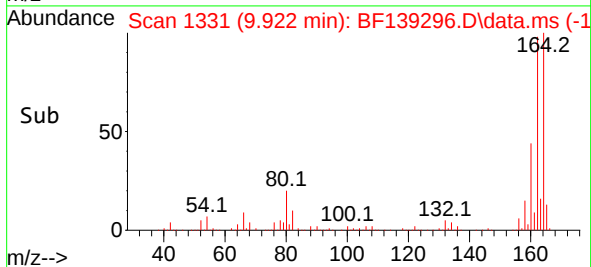
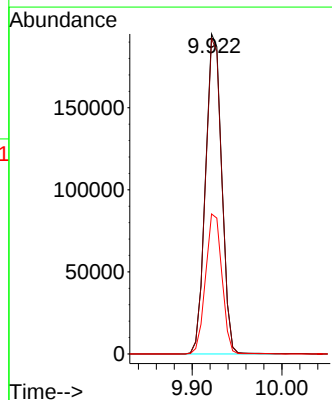
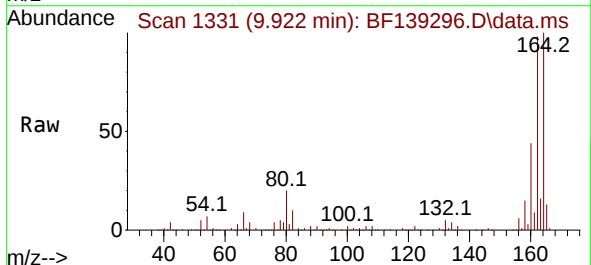
Instrument :
BNA_F
ClientSampleId :
COMP-1

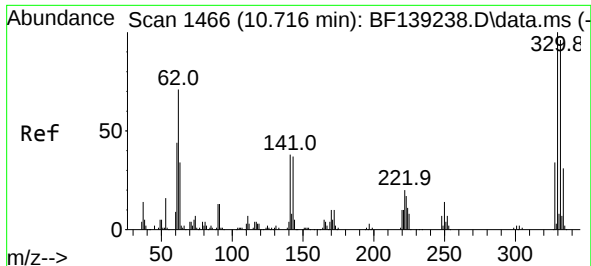
Tgt Ion: 82 Resp: 660762
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 13.4 20.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

Tgt Ion:164 Resp: 244692
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.8 34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 119.295 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BF139296.D

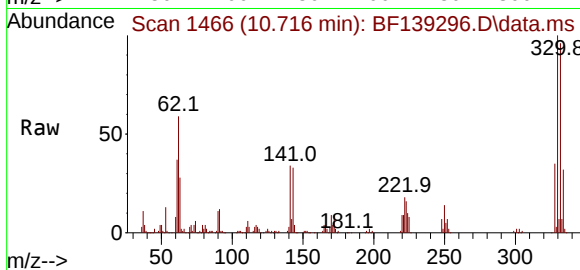
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Instrument :

BNA_F

ClientSampleId :

COMP-1



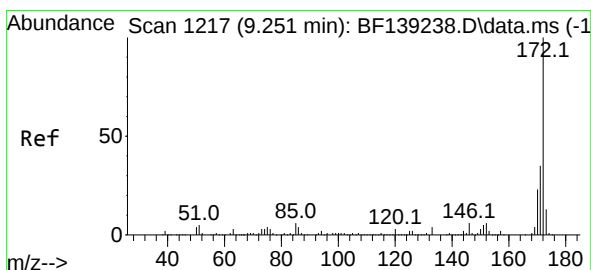
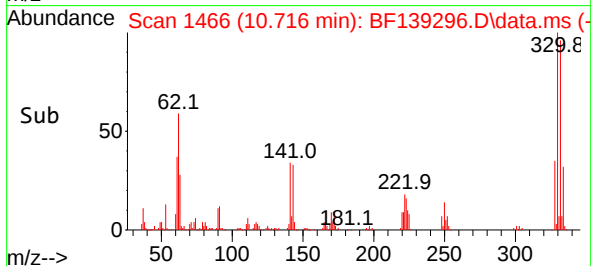
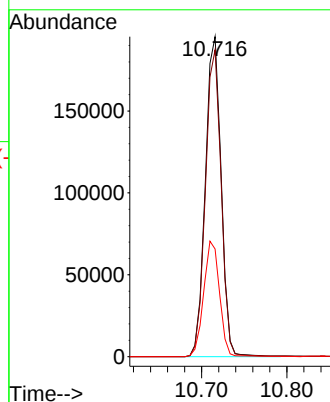
Tgt Ion:330 Resp: 252065

Ion Ratio Lower Upper

330 100

332 95.3 76.6 115.0

141 36.5 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 77.822 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

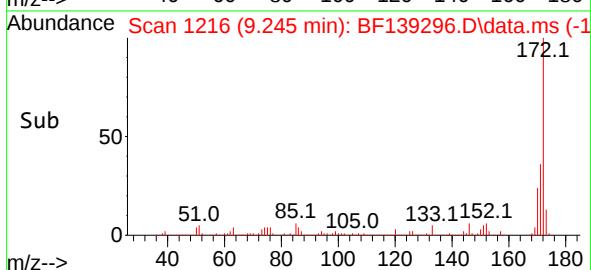
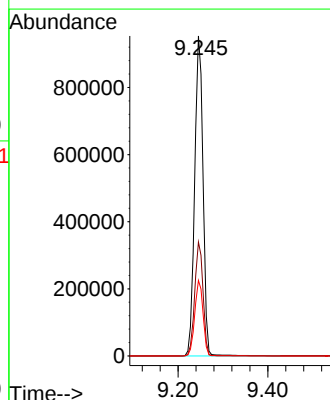
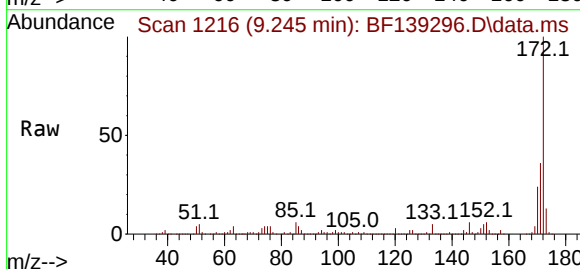
Tgt Ion:172 Resp: 1233599

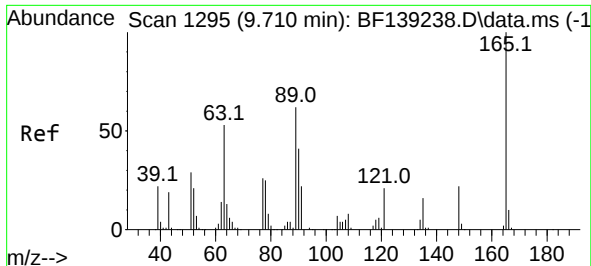
Ion Ratio Lower Upper

172 100

171 35.6 28.3 42.5

170 23.6 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.251 ng

RT: 9.922 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

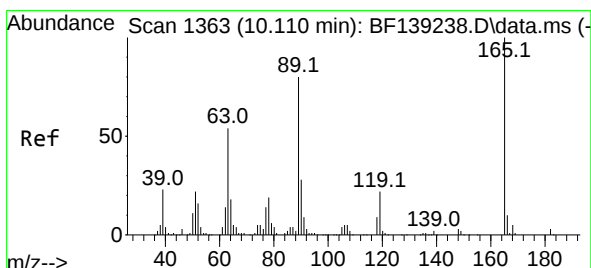
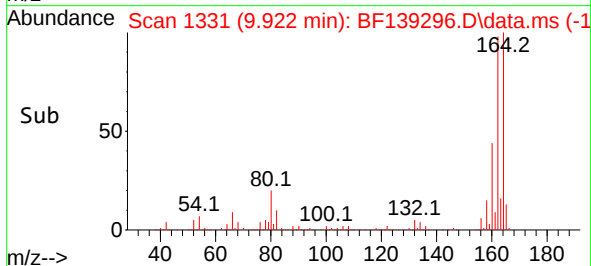
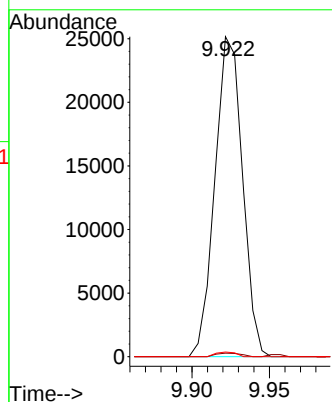
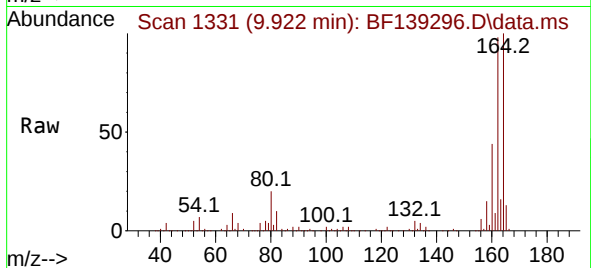
Tgt Ion:165 Resp: 31124

Ion Ratio Lower Upper

165 100

63 1.1 56.1 84.1#

89 1.5 49.7 74.5#



#57

2,4-Dinitrotoluene

Concen: 7.268 ng

RT: 9.922 min Scan# 1331

Delta R.T. -0.188 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Tgt Ion:165 Resp: 31124

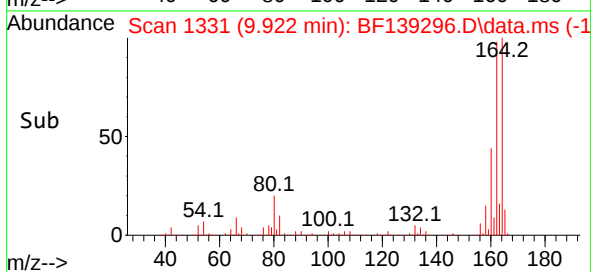
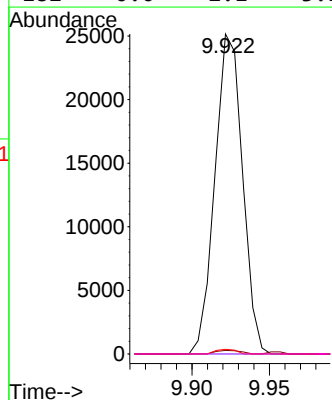
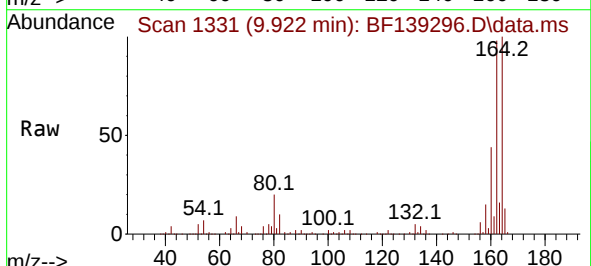
Ion Ratio Lower Upper

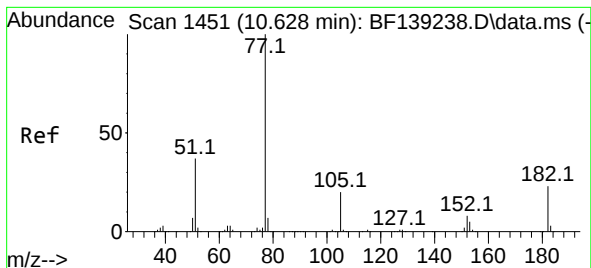
165 100

63 1.1 43.4 65.0#

89 1.5 64.2 96.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 4.612 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

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ClientSampleId :

COMP-1

Tgt Ion: 77 Resp: 70952

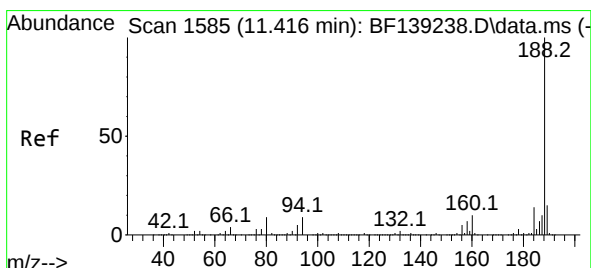
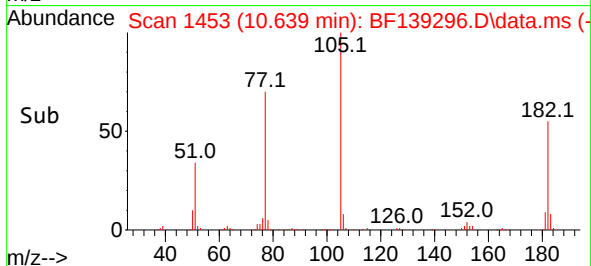
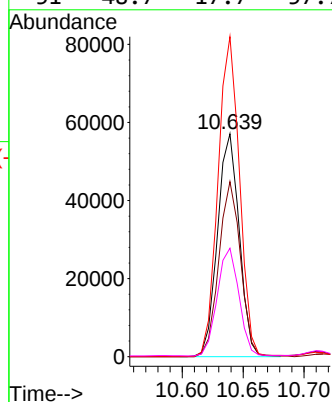
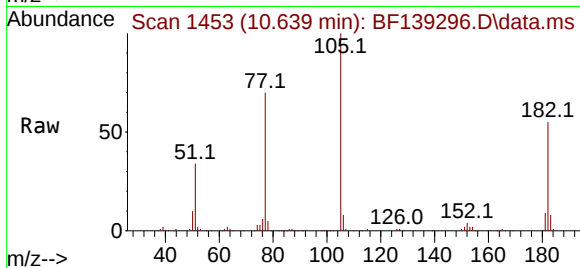
Ion Ratio Lower Upper

77 100

182 78.6 3.0 43.0#

105 143.6 0.0 39.4#

51 48.7 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: BF139296.D

Acq: 10 Sep 2024 13:30

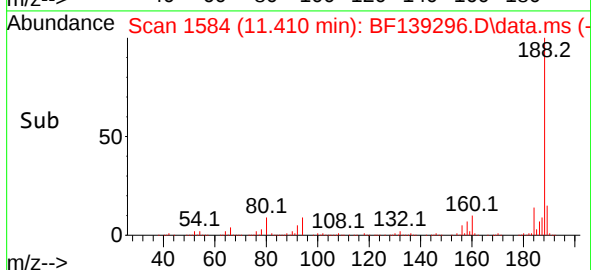
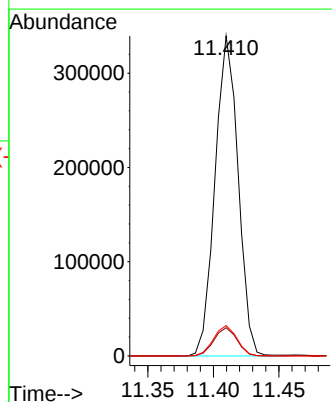
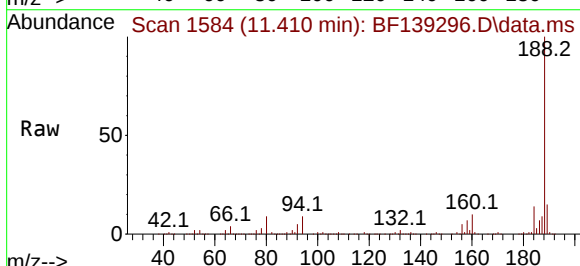
Tgt Ion:188 Resp: 415494

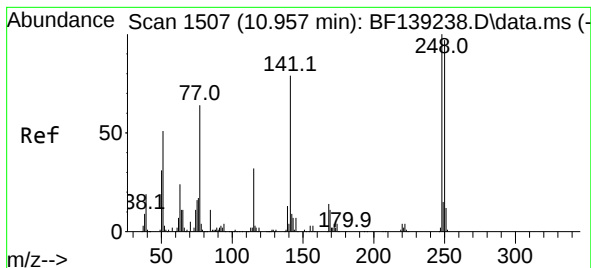
Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.4

80 9.5 7.3 10.9

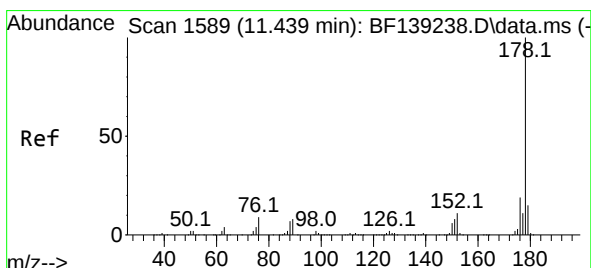
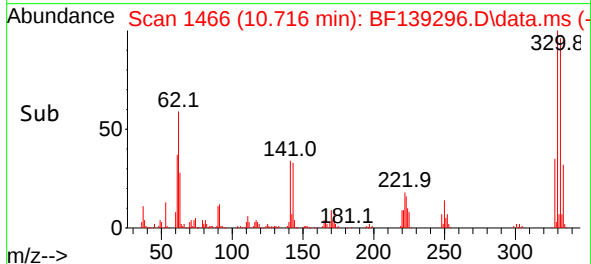
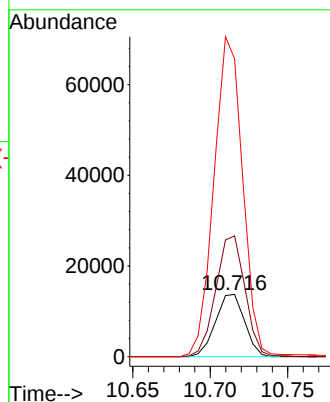
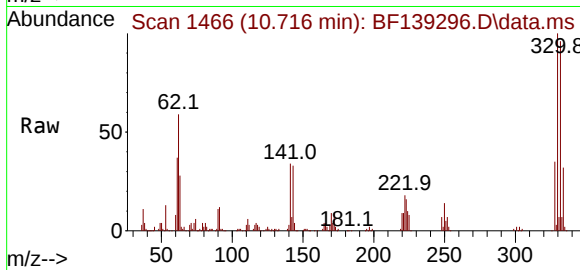




#67
4-Bromophenyl-phenylether
Concen: 4.448 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.241 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

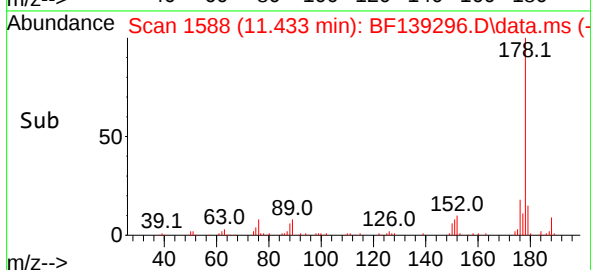
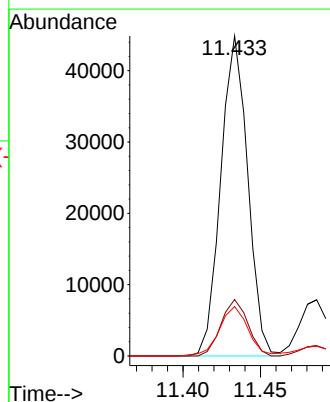
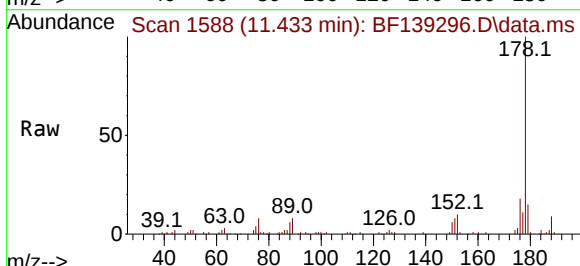
Instrument :
BNA_F
ClientSampleId :
COMP-1

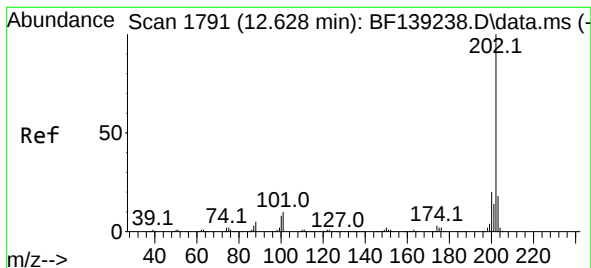
Tgt Ion:248 Resp: 17932
Ion Ratio Lower Upper
248 100
250 194.4 77.2 115.8#
141 479.1 63.6 95.4#



#71
Phenanthrene
Concen: 2.799 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139296.D
Acq: 10 Sep 2024 13:30

Tgt Ion:178 Resp: 54335
Ion Ratio Lower Upper
178 100
176 17.6 15.4 23.0
179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 7.694 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

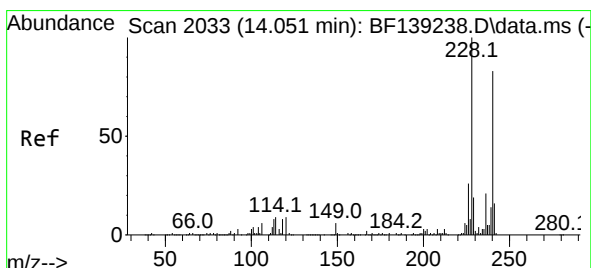
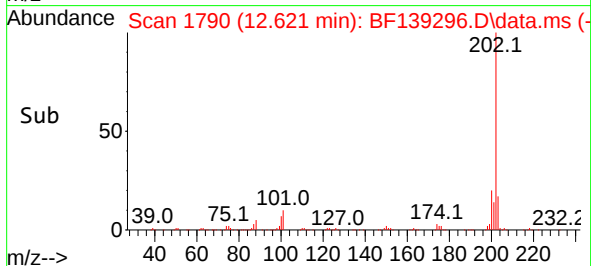
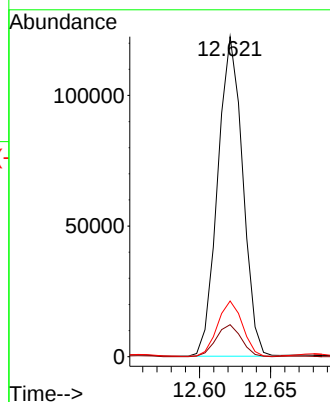
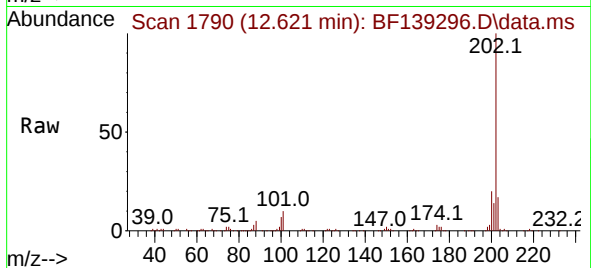
Tgt Ion:202 Resp: 149728

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.9

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

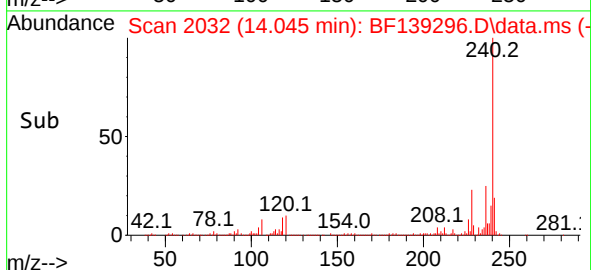
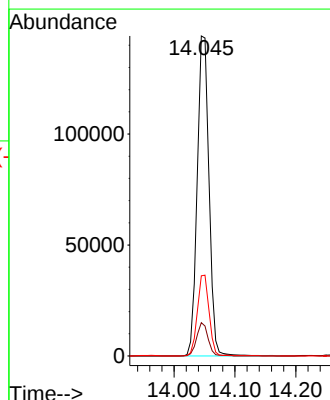
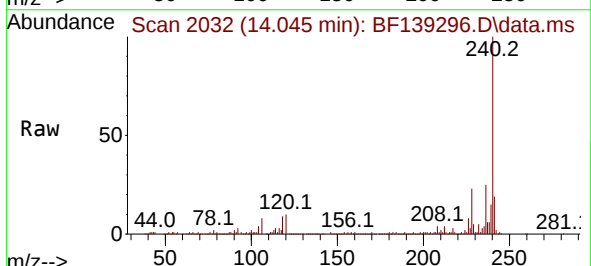
Tgt Ion:240 Resp: 193845

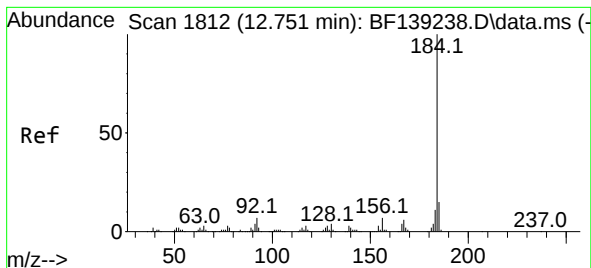
Ion Ratio Lower Upper

240 100

120 10.4 8.6 12.8

236 25.0 20.7 31.1





#77

Benzidine

Concen: 3.450 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.247 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

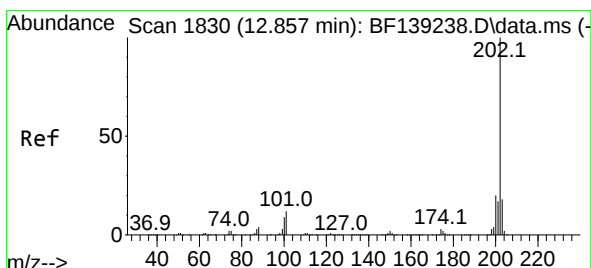
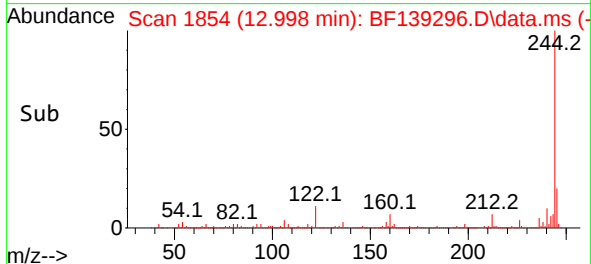
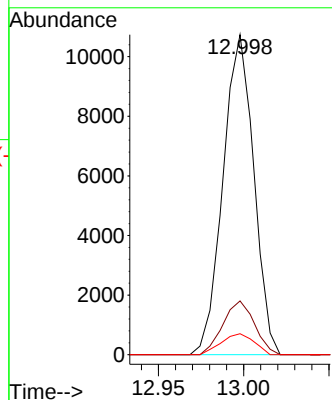
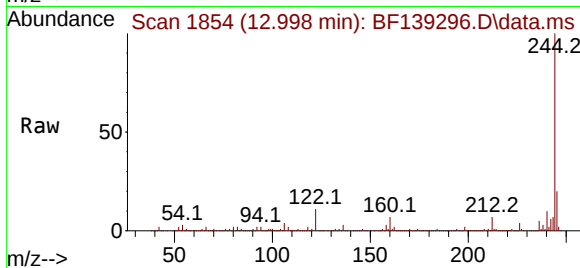
Tgt Ion:184 Resp: 13467

Ion Ratio Lower Upper

184 100

185 16.8 11.9 17.9

183 6.6 8.8 13.2#



#78

Pyrene

Concen: 7.759 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

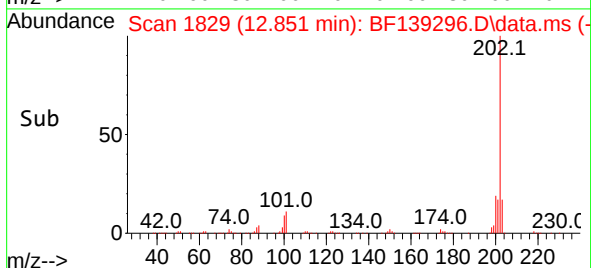
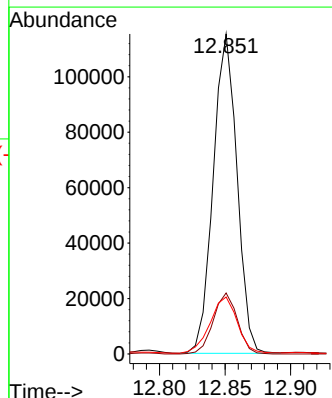
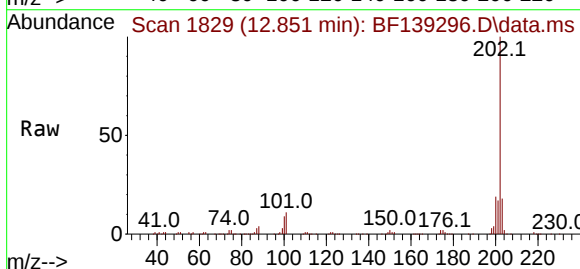
Tgt Ion:202 Resp: 145287

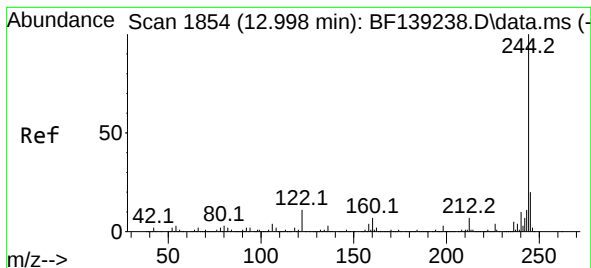
Ion Ratio Lower Upper

202 100

200 19.0 15.8 23.8

203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 81.984 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

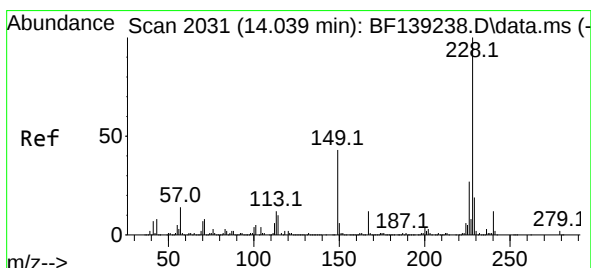
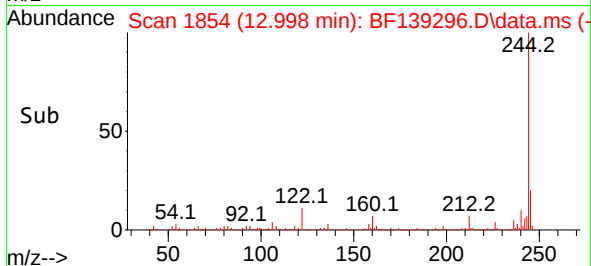
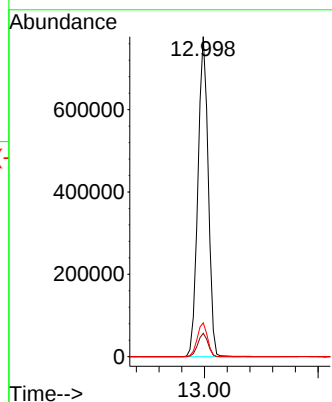
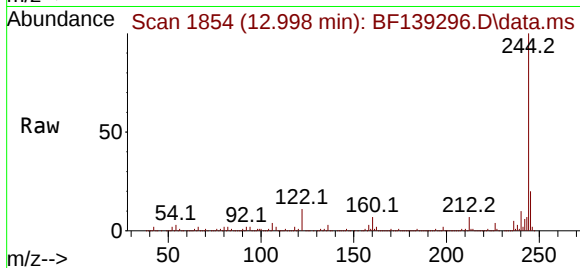
Tgt Ion:244 Resp: 984296

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 10.5 8.7 13.1



#81

Benzo(a)anthracene

Concen: 4.572 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.035 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

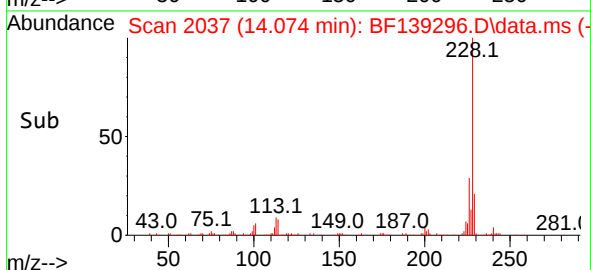
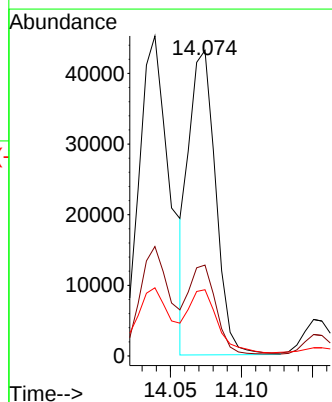
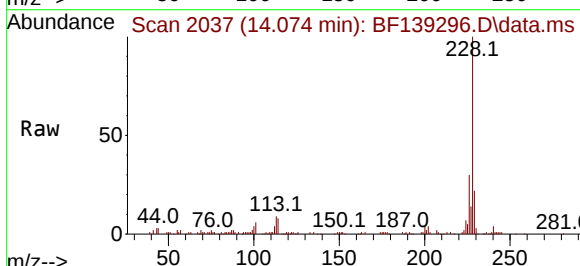
Tgt Ion:228 Resp: 56597

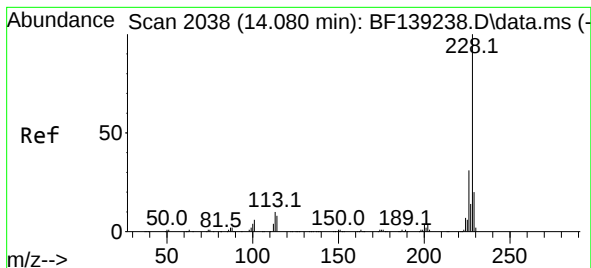
Ion Ratio Lower Upper

228 100

226 29.7 21.5 32.3

229 21.7 15.6 23.4





#83

Chrysene

Concen: 4.899 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

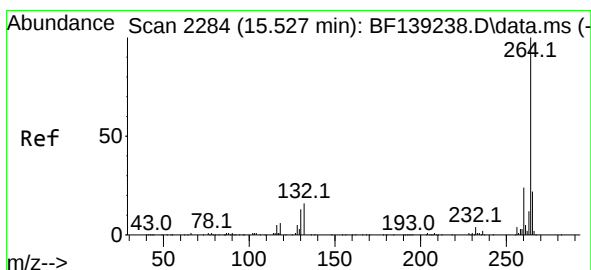
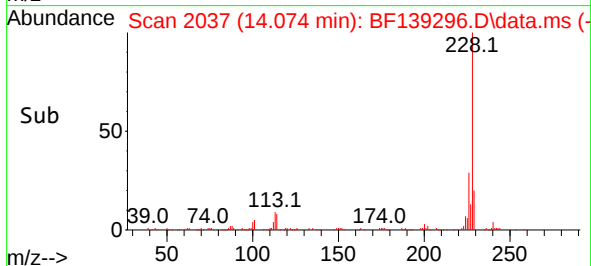
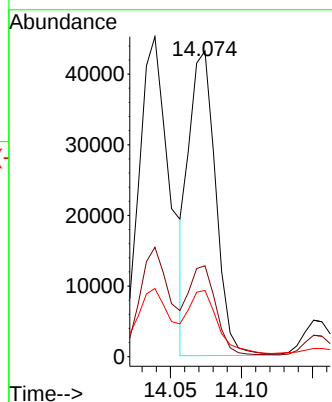
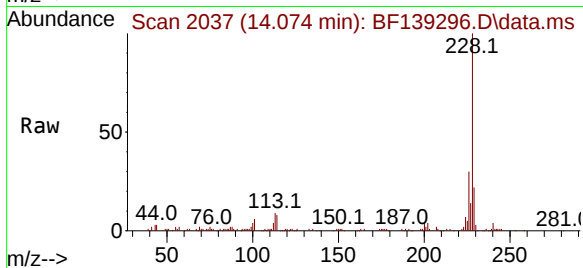
Tgt Ion:228 Resp: 56597

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 21.7 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. -0.000 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

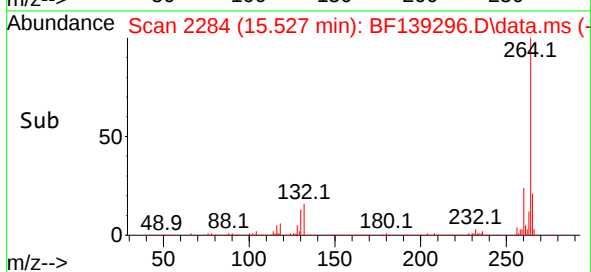
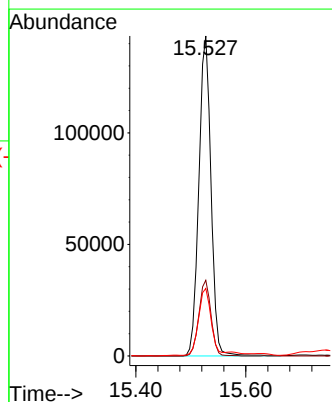
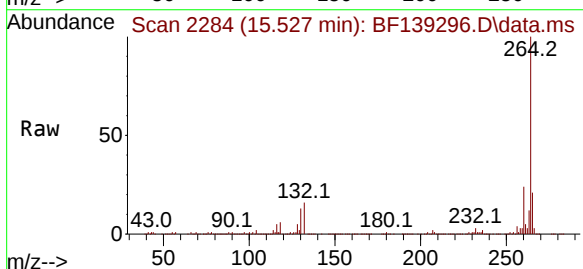
Tgt Ion:264 Resp: 220179

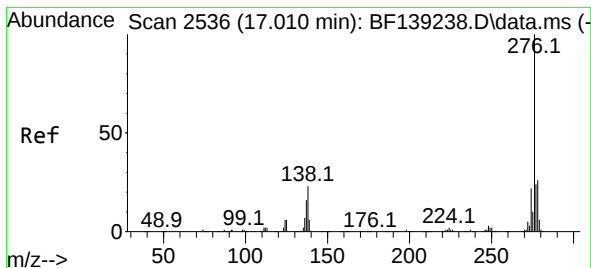
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.1 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.383 ng

RT: 16.998 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

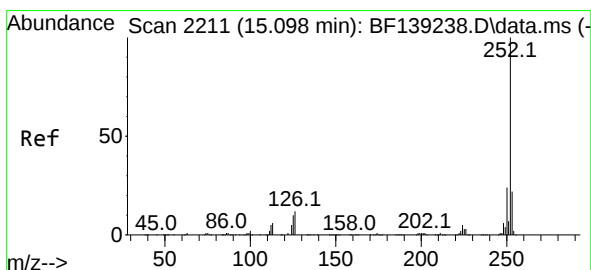
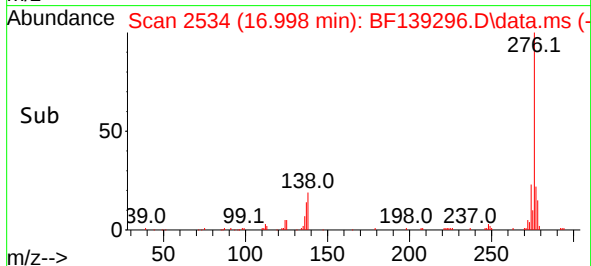
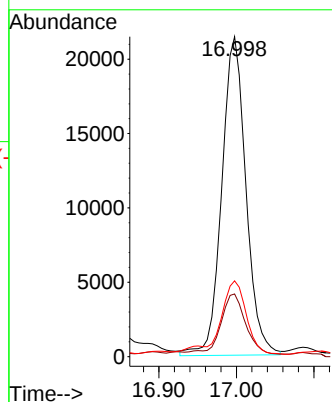
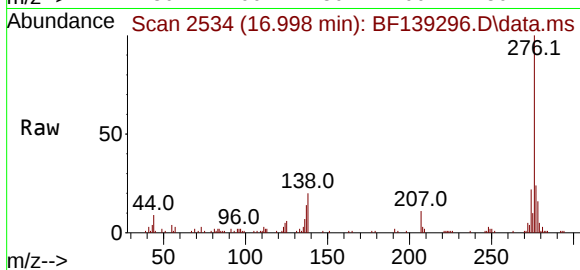
Tgt Ion:276 Resp: 46533

Ion Ratio Lower Upper

276 100

138 21.0 20.4 30.6

277 25.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 11.061 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

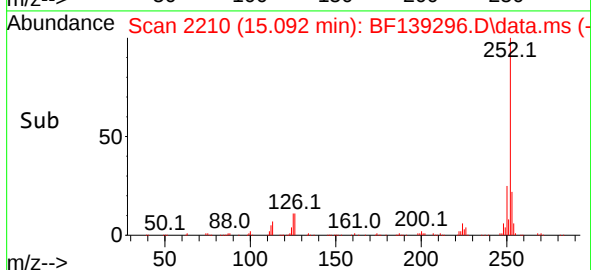
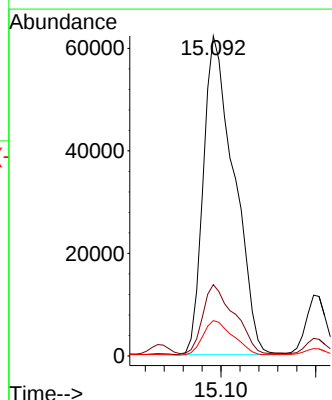
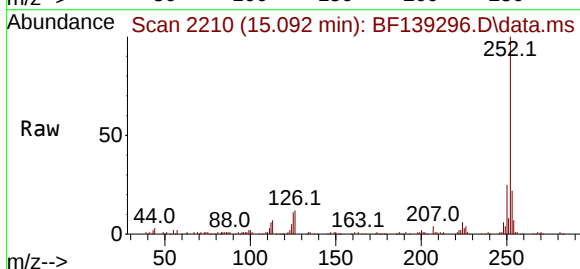
Tgt Ion:252 Resp: 140256

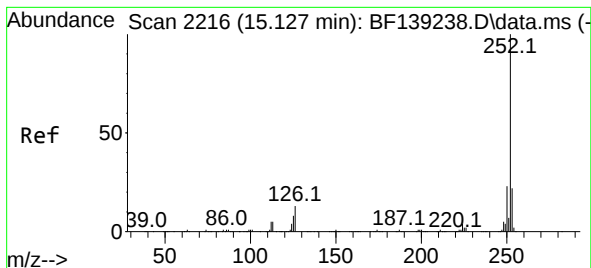
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.0 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 12.336 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

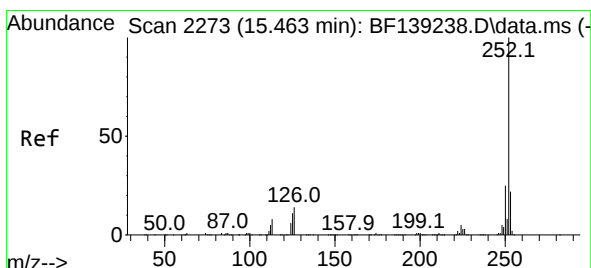
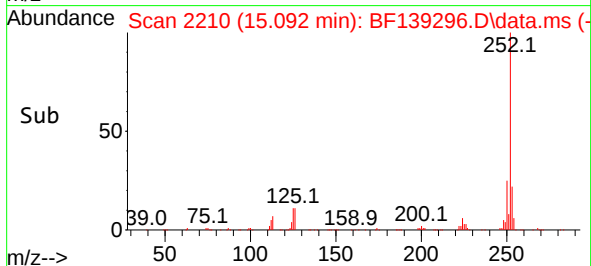
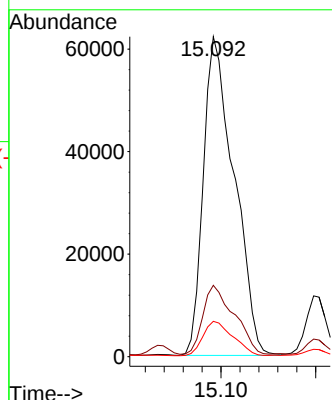
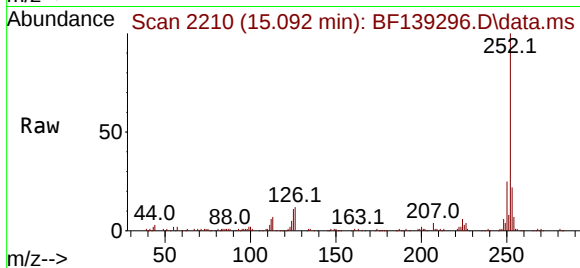
Tgt Ion:252 Resp: 140256

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 11.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 7.070 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF139296.D

Acq: 10 Sep 2024 13:30

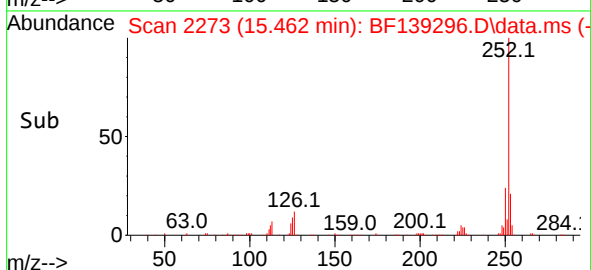
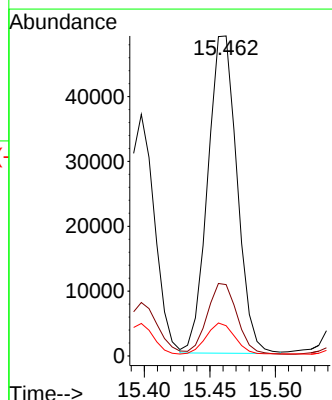
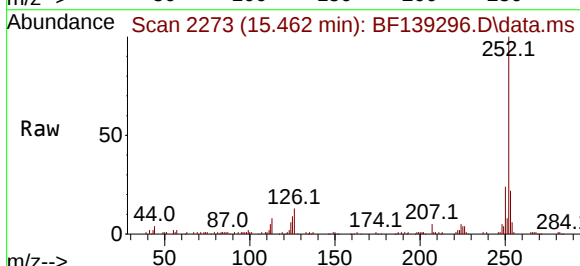
Tgt Ion:252 Resp: 76127

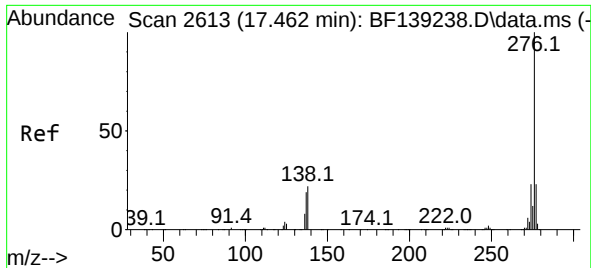
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

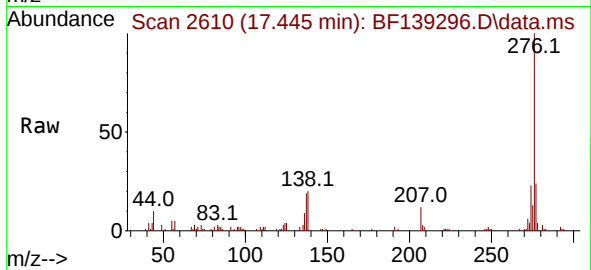
125 9.5 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.625 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF139296.D
 Acq: 10 Sep 2024 13:30

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



Tgt Ion: 276 Resp: 42415

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	20.3	17.4	26.0

