

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139542.D
 Acq On : 25 Sep 2024 21:40
 Operator : RC/JU
 Sample : P4172-06 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24336

Quant Time: Sep 26 01:29:49 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

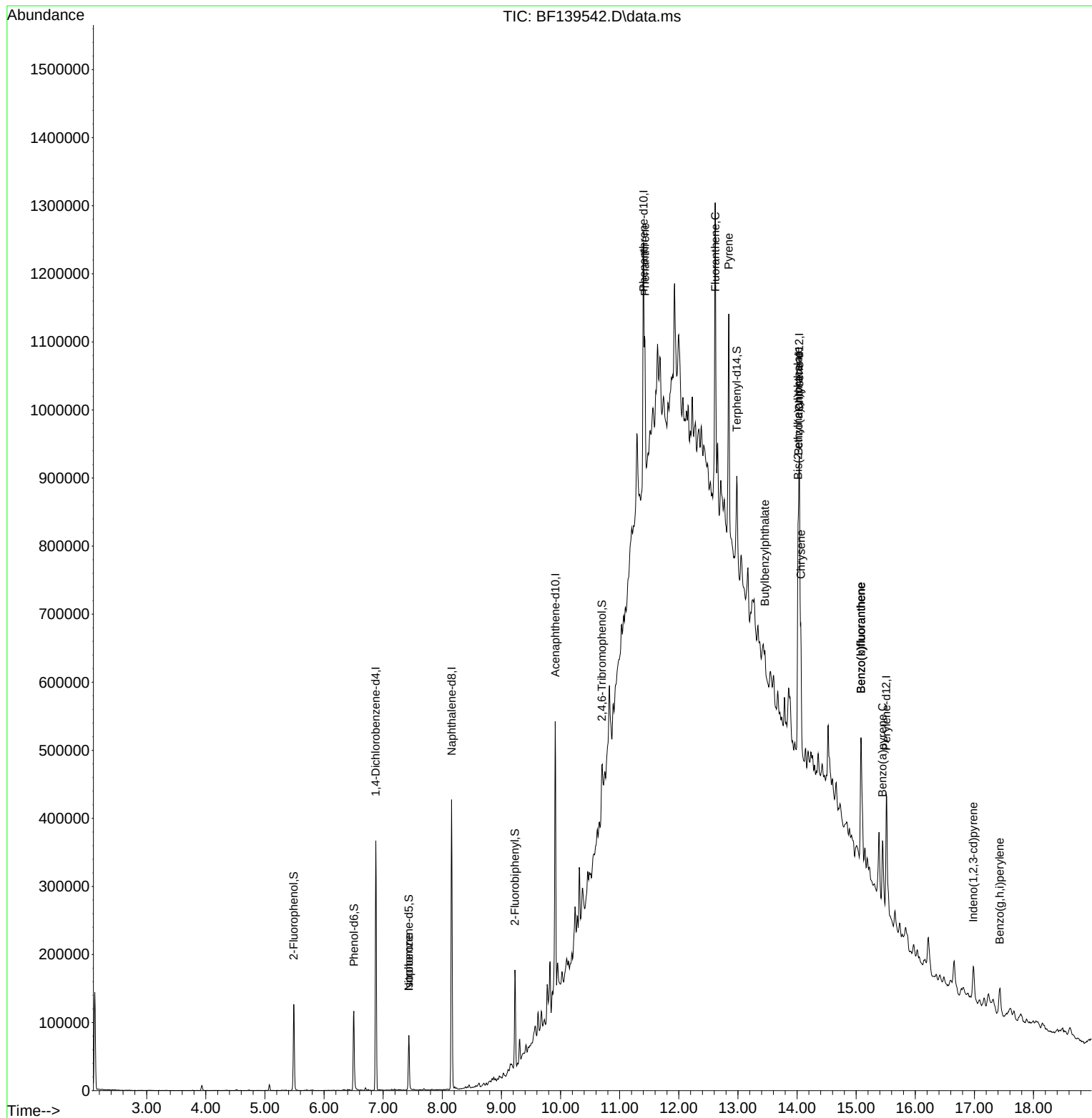
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71225	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	249100	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	114093	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	179368	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	133904	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	101369	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	41821	9.579	ng	0.00
7) Phenol-d6	6.504	99	52401	9.144	ng	0.00
23) Nitrobenzene-d5	7.434	82	32872	6.204	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	8963	7.379	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	60404	7.425	ng	0.00
79) Terphenyl-d14	12.980	244	54372	6.665	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.434	82	32872	3.923	ng	# 66
71) Phenanthrene	11.428	178	104190	12.040	ng	# 94
75) Fluoranthene	12.616	202	251366	27.200	ng	98
78) Pyrene	12.845	202	203081	17.663	ng	97
80) Butylbenzylphthalate	13.457	149	9541	2.438	ng	# 73
81) Benzo(a)anthracene	14.027	228	97322	10.972	ng	97
83) Chrysene	14.063	228	97009	11.888	ng	97
84) Bis(2-ethylhexyl)phtha...	14.016	149	102811	20.651	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	39412	6.538	ng	98
88) Benzo(b)fluoranthene	15.080	252	144044	23.040	ng	# 94
89) Benzo(k)fluoranthene	15.080	252	144044	24.989	ng	# 93
90) Benzo(a)pyrene	15.445	252	60281	11.626	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	36060	7.312	ng	# 94

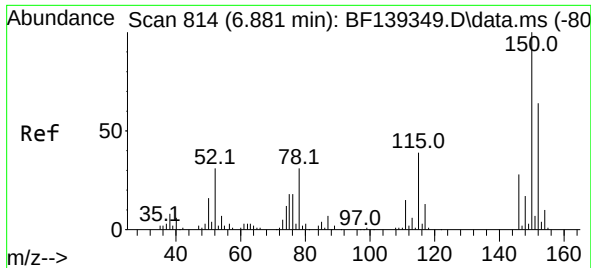
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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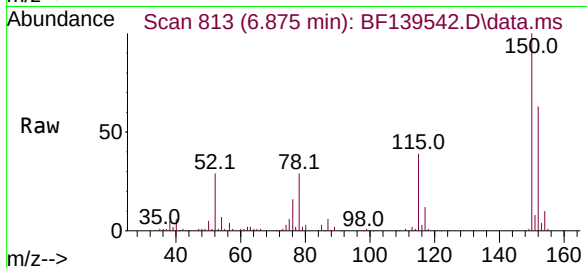
Quant Time: Sep 26 01:29:49 2024
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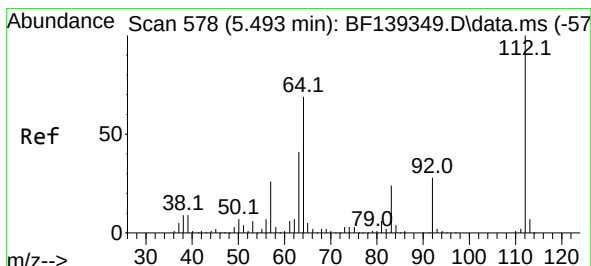
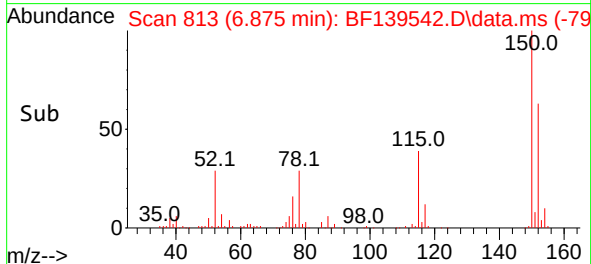
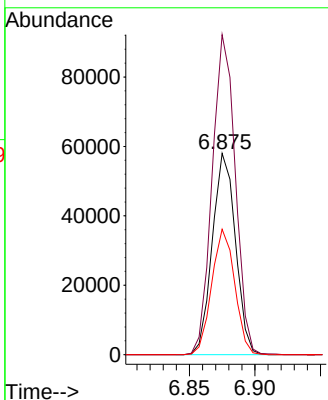


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Instrument :
BNA_F
ClientSampleId :
CHRT-24336

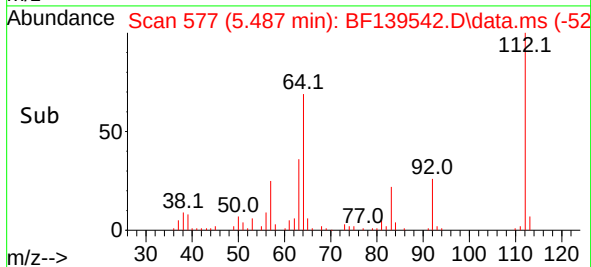
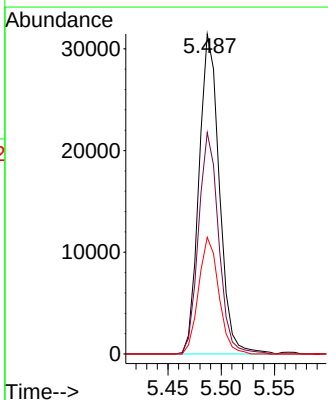
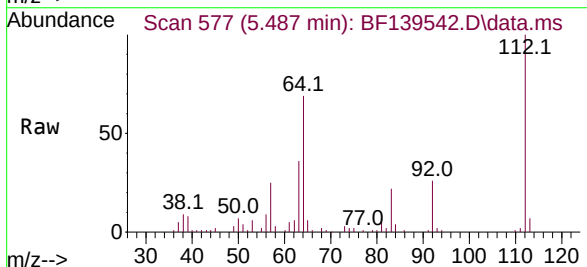


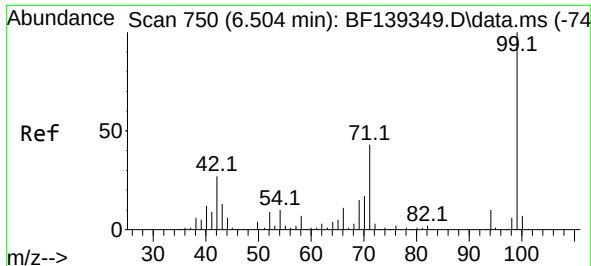
Tgt Ion:152 Resp: 71225
Ion Ratio Lower Upper
152 100
150 159.0 124.1 186.1
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 9.579 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:112 Resp: 41821
Ion Ratio Lower Upper
112 100
64 69.2 54.8 82.2
63 36.4 33.0 49.4





#7

Phenol-d6

Concen: 9.144 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

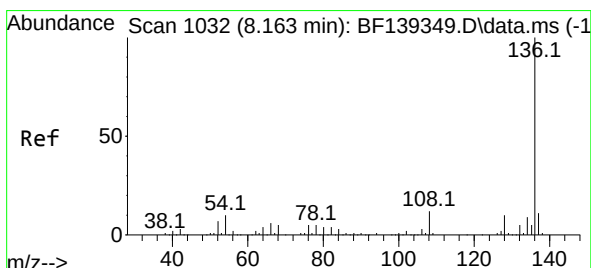
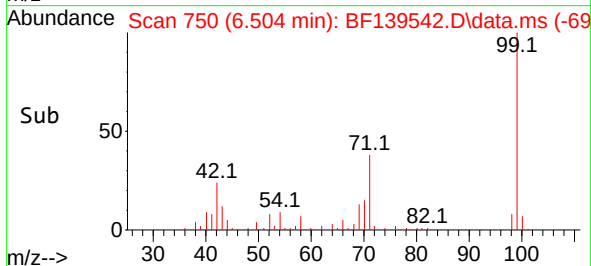
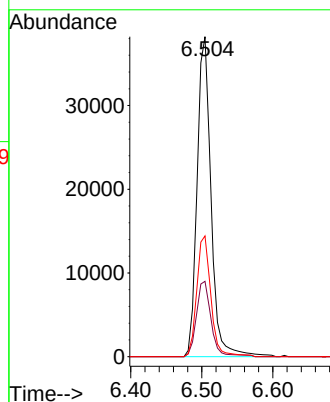
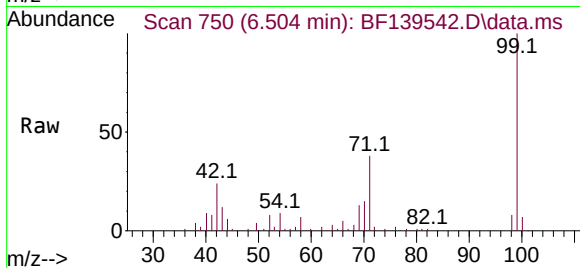
Tgt Ion: 99 Resp: 52401

Ion Ratio Lower Upper

99 100

42 23.6 21.9 32.9

71 37.7 34.6 52.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Tgt Ion: 136 Resp: 249100

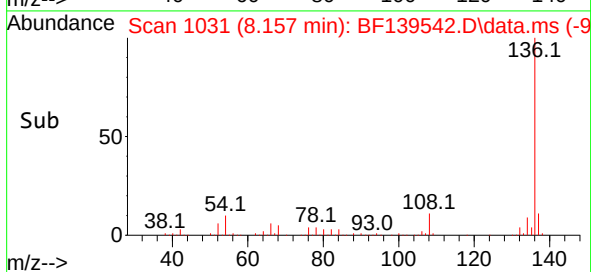
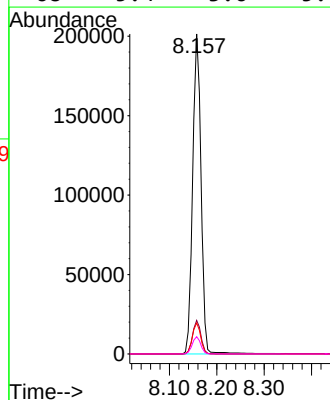
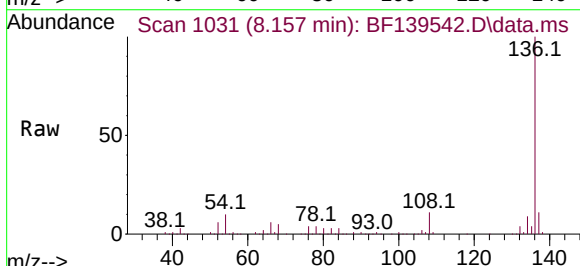
Ion Ratio Lower Upper

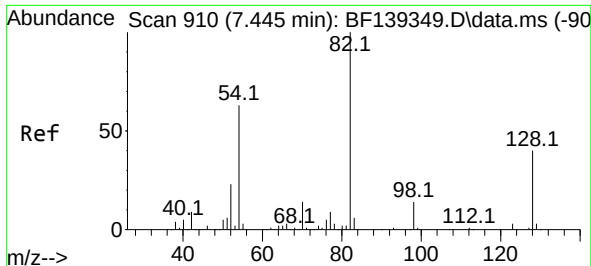
136 100

137 10.5 8.6 12.8

54 9.7 7.8 11.8

68 5.4 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 6.204 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

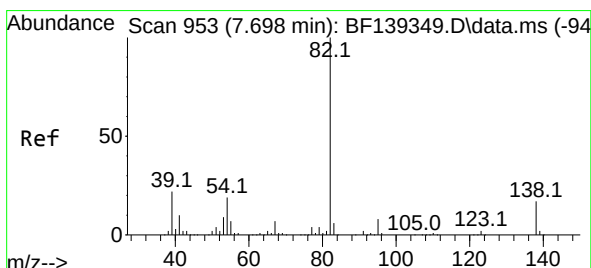
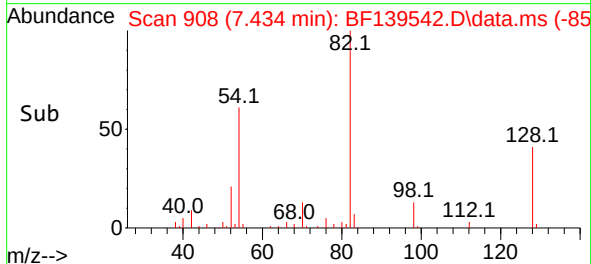
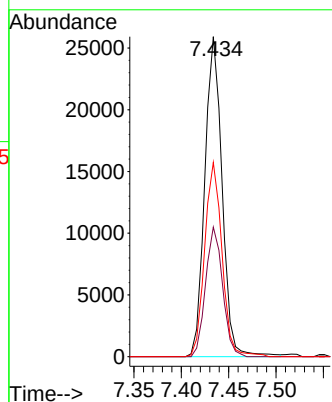
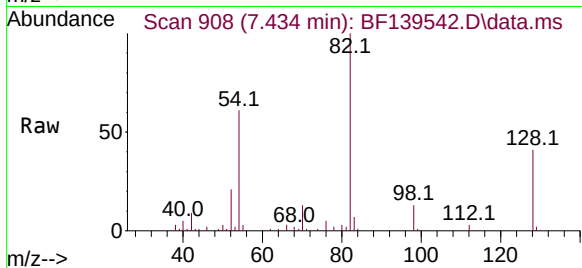
Tgt Ion: 82 Resp: 32872

Ion Ratio Lower Upper

82 100

128 40.5 31.8 47.6

54 60.7 50.6 75.8



#25

Isophorone

Concen: 3.923 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.265 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

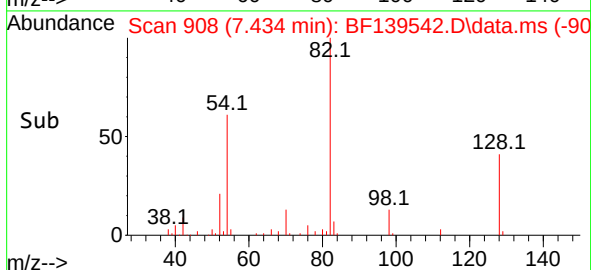
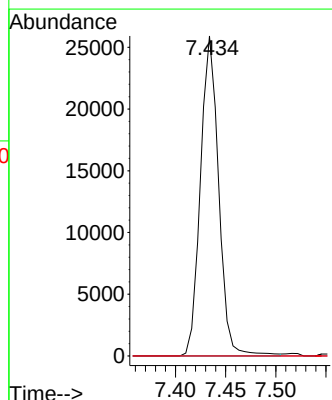
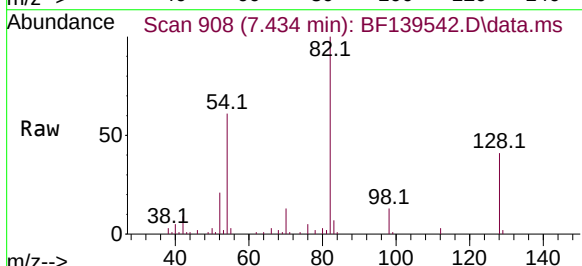
Tgt Ion: 82 Resp: 32872

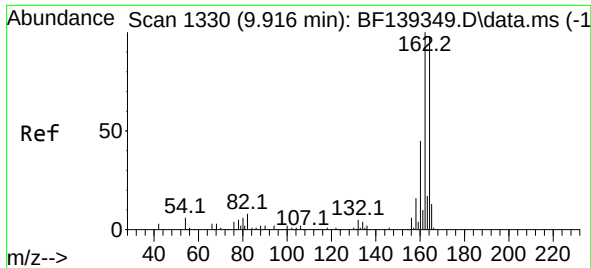
Ion Ratio Lower Upper

82 100

95 0.0 6.7 10.1#

138 0.0 13.3 19.9#

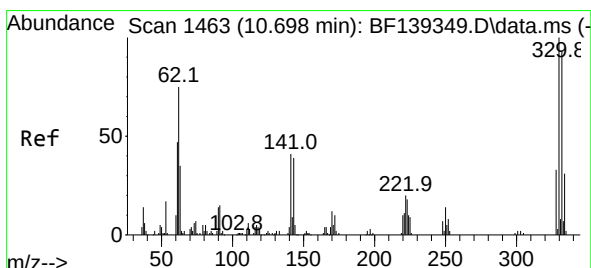
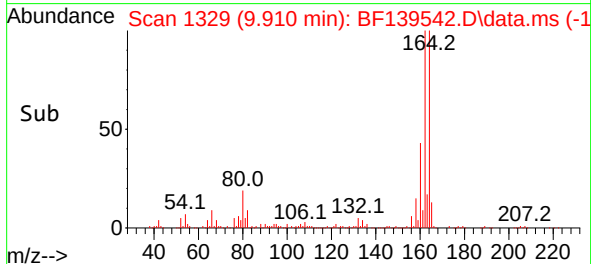
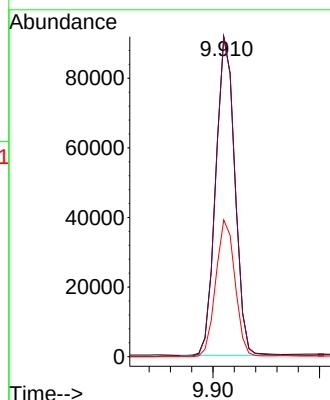
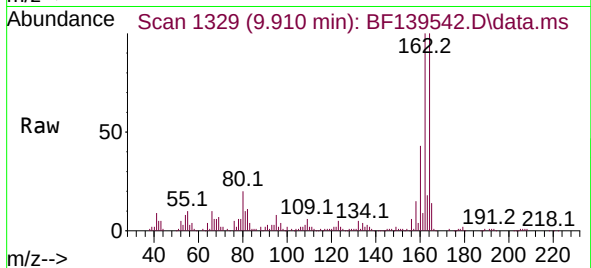




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

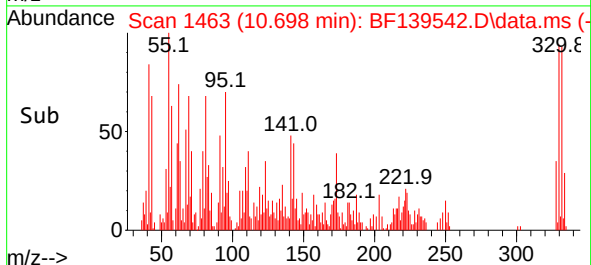
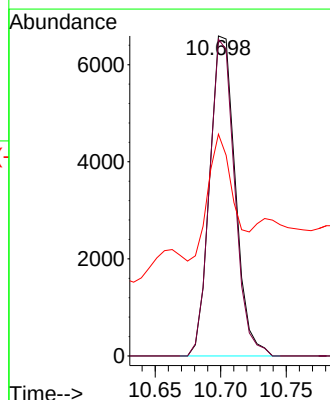
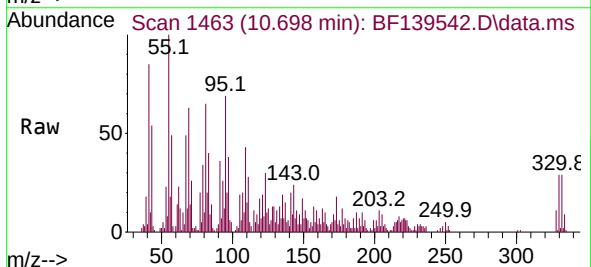
Instrument :
BNA_F
ClientSampleId :
CHRT-24336

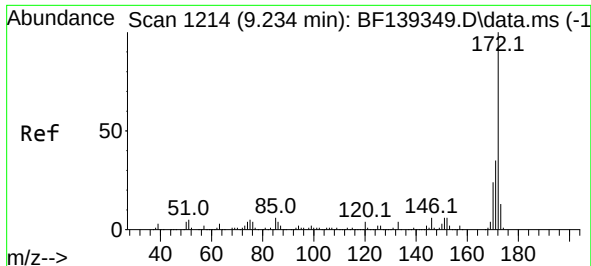
Tgt Ion:164 Resp: 114093
Ion Ratio Lower Upper
164 100
162 99.8 81.3 121.9
160 42.7 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 7.379 ng
RT: 10.698 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:330 Resp: 8963
Ion Ratio Lower Upper
330 100
332 96.9 75.2 112.8
141 39.2 31.2 46.8





#45

2-Fluorobiphenyl

Concen: 7.425 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

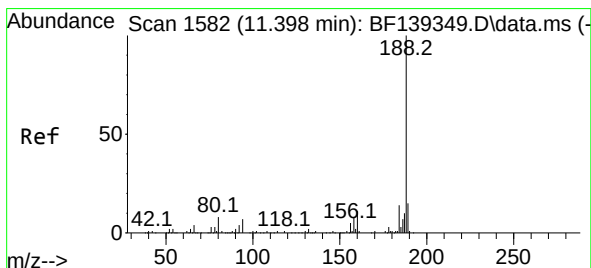
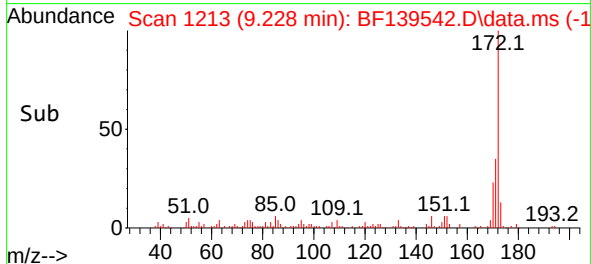
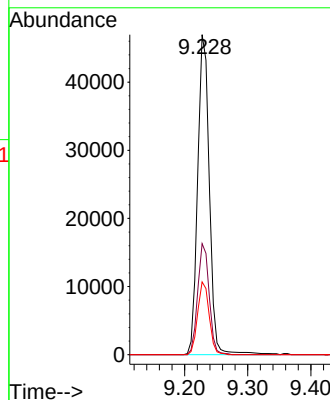
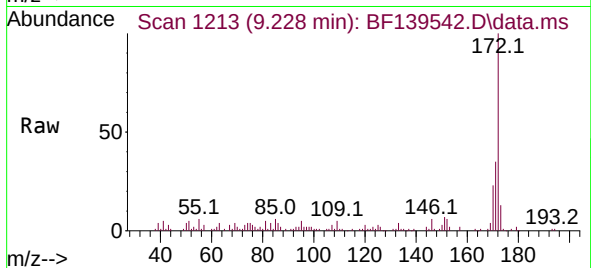
Tgt Ion:172 Resp: 60404

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 22.7 19.0 28.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

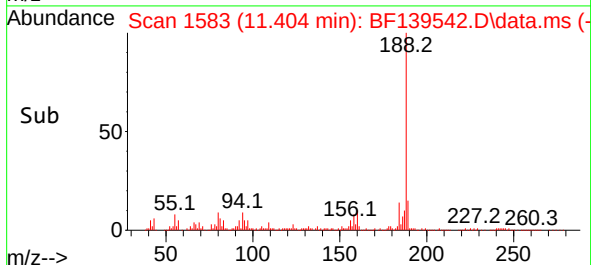
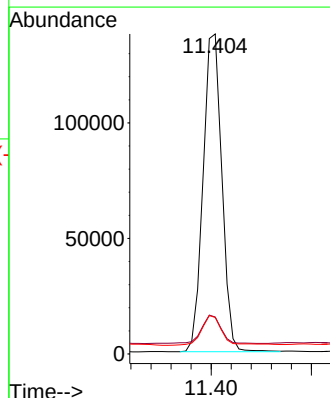
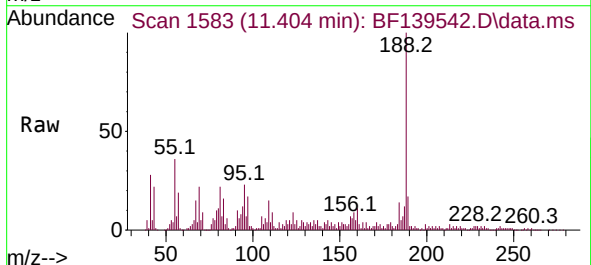
Tgt Ion:188 Resp: 179368

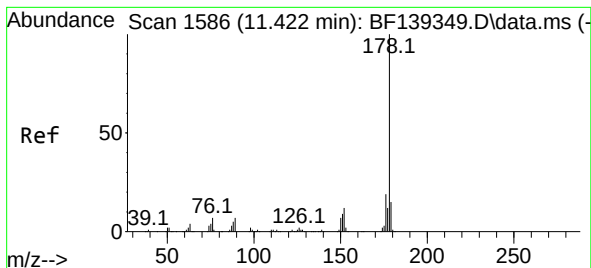
Ion Ratio Lower Upper

188 100

94 11.5 5.5 8.3#

80 11.4 6.6 9.8#





#71

Phenanthrene

Concen: 12.040 ng

RT: 11.428 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

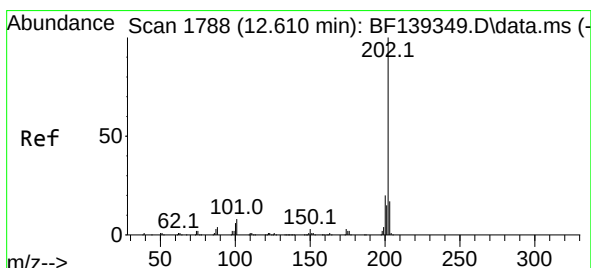
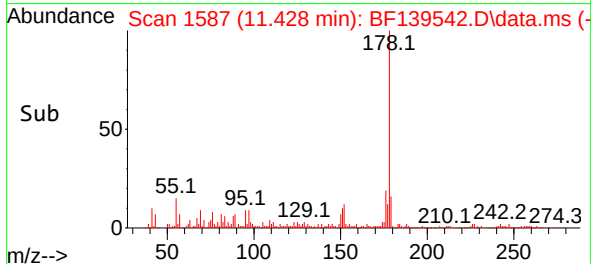
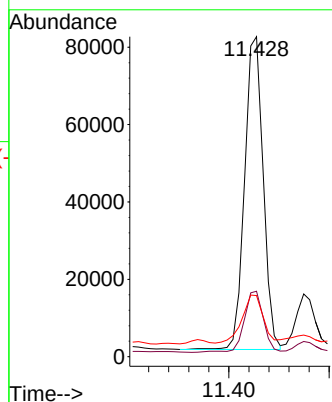
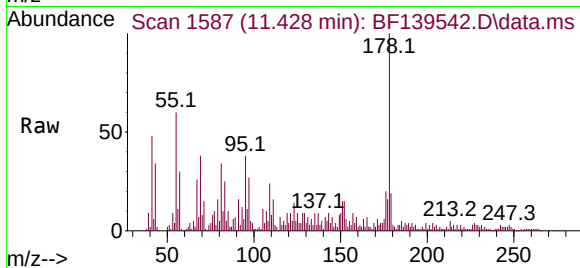
Tgt Ion:178 Resp: 104190

Ion Ratio Lower Upper

178 100

176 20.4 15.2 22.8

179 19.1 12.2 18.4#



#75

Fluoranthene

Concen: 27.200 ng

RT: 12.616 min Scan# 1789

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

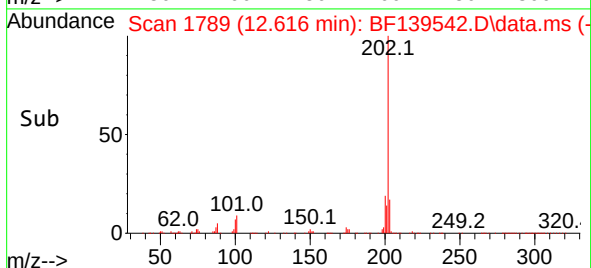
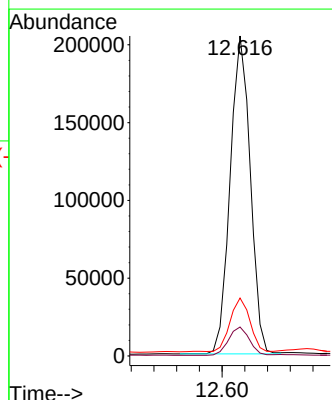
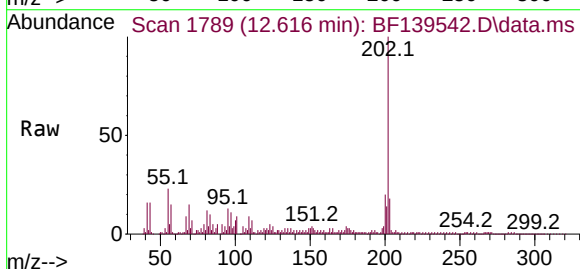
Tgt Ion:202 Resp: 251366

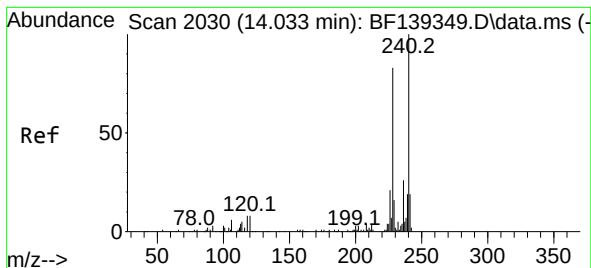
Ion Ratio Lower Upper

202 100

101 9.1 0.0 27.7

203 18.1 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2030

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

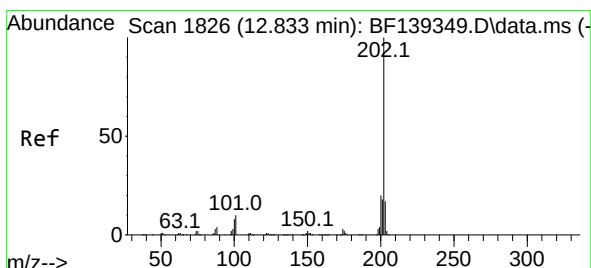
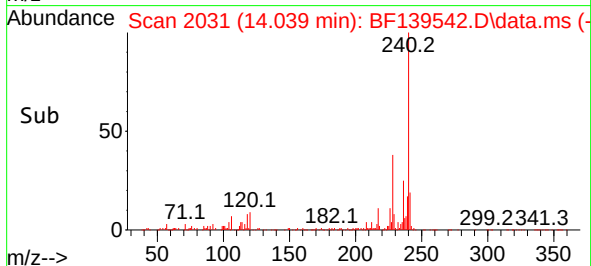
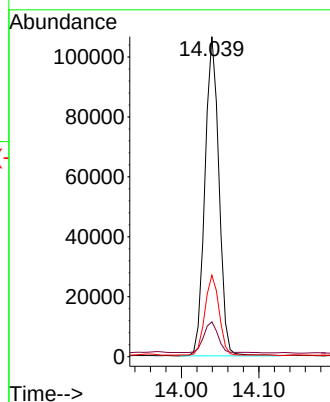
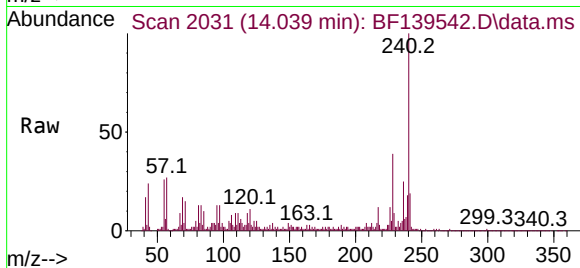
Tgt Ion:240 Resp: 133904

Ion Ratio Lower Upper

240 100

120 10.9 6.2 9.2#

236 25.5 20.9 31.3



#78

Pyrene

Concen: 17.663 ng

RT: 12.845 min Scan# 1828

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

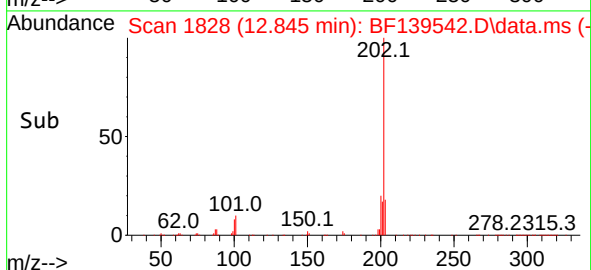
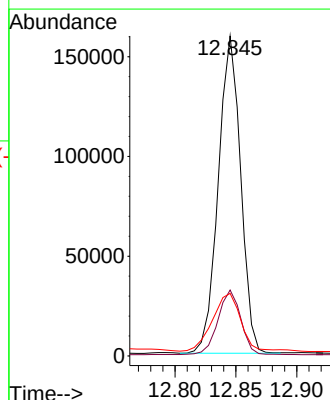
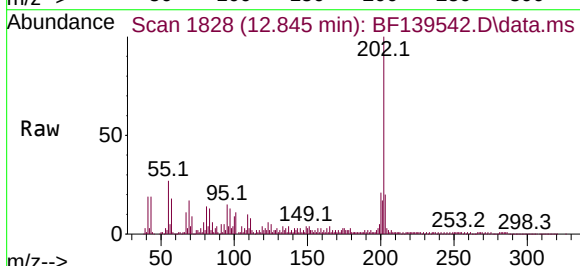
Tgt Ion:202 Resp: 203081

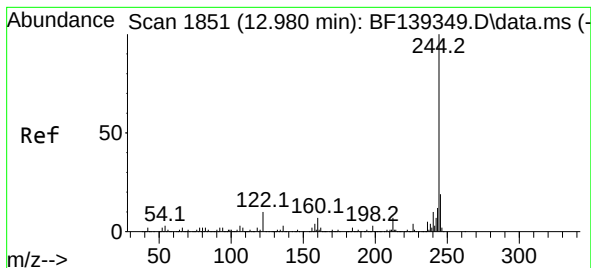
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.2

203 19.5 13.9 20.9





#79

Terphenyl-d14

Concen: 6.665 ng

RT: 12.980 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

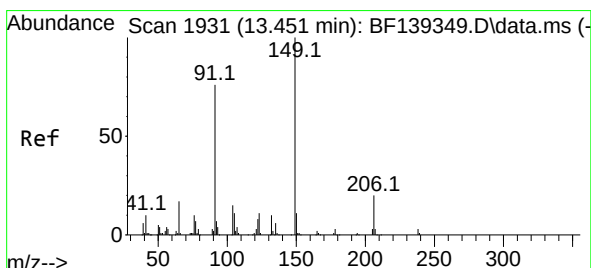
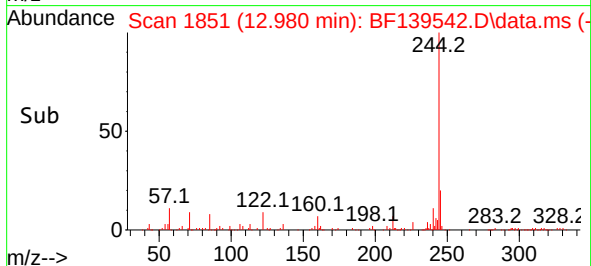
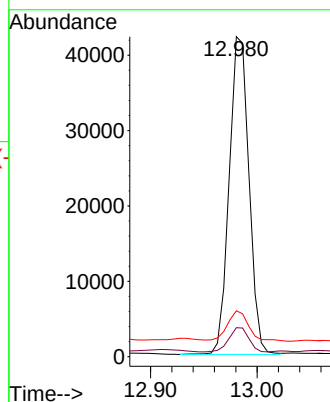
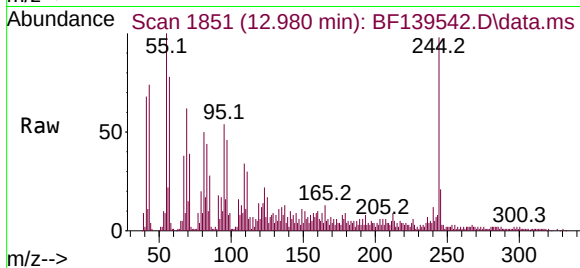
Tgt Ion:244 Resp: 54372

Ion Ratio Lower Upper

244 100

212 9.1 6.0 9.0#

122 14.4 7.6 11.4#



#80

Butylbenzylphthalate

Concen: 2.438 ng

RT: 13.457 min Scan# 1932

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

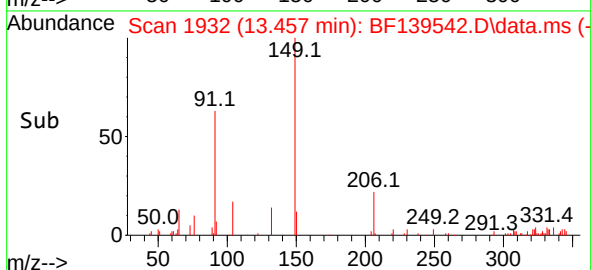
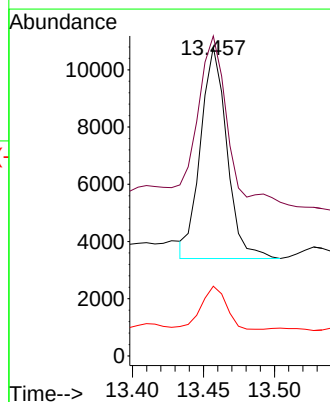
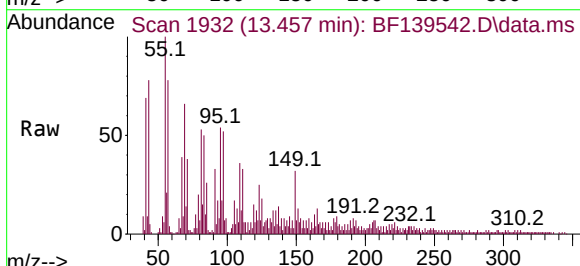
Tgt Ion:149 Resp: 9541

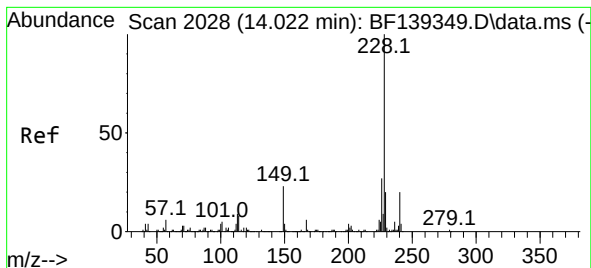
Ion Ratio Lower Upper

149 100

91 103.6 60.9 91.3#

206 22.6 15.8 23.8





#81

Benzo(a)anthracene

Concen: 10.972 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

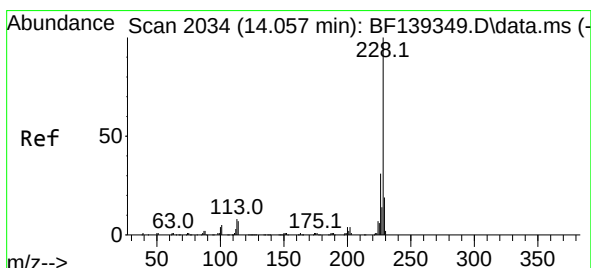
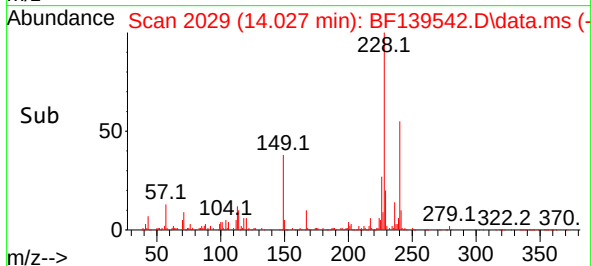
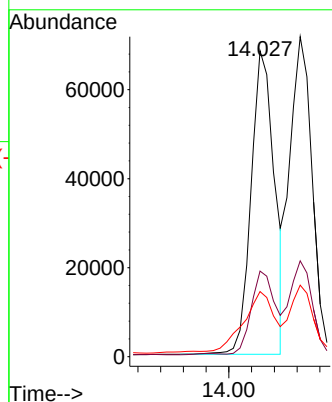
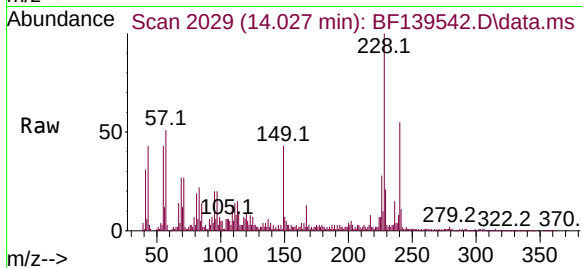
Tgt Ion:228 Resp: 97322

Ion Ratio Lower Upper

228 100

226 28.0 21.6 32.4

229 21.3 15.7 23.5



#83

Chrysene

Concen: 11.888 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

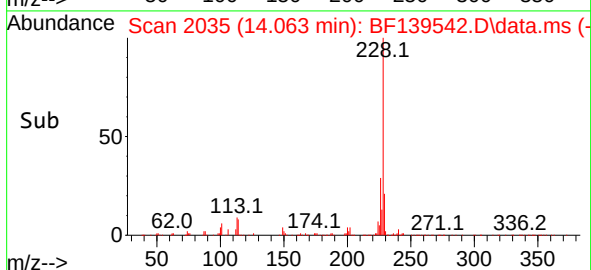
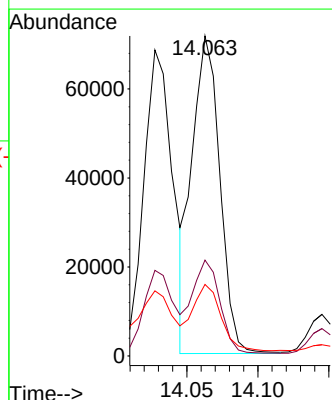
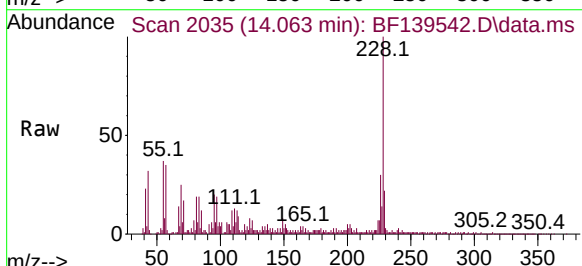
Tgt Ion:228 Resp: 97009

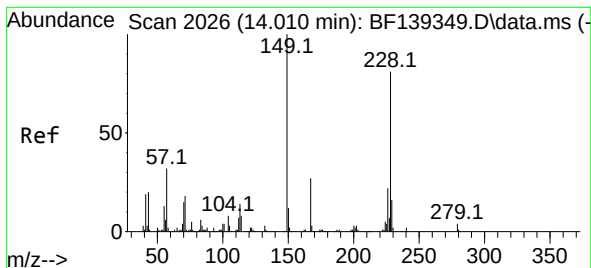
Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 22.4 15.4 23.0

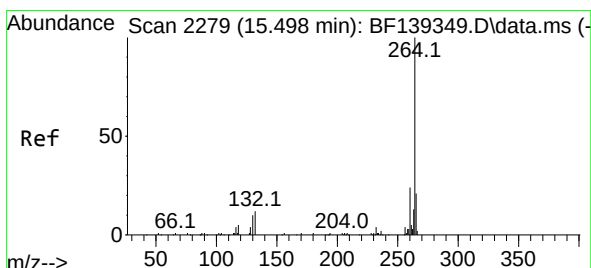
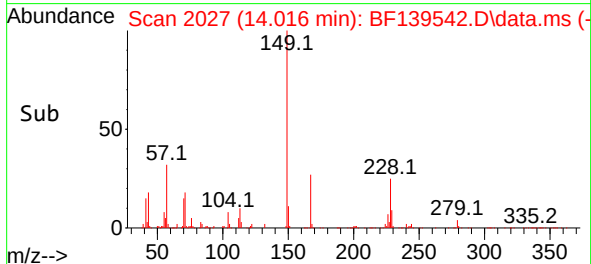
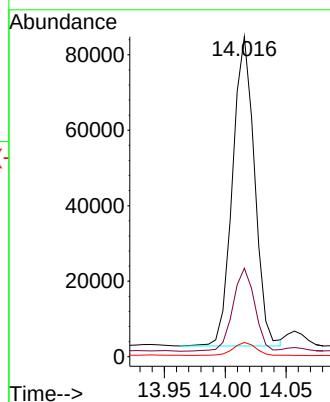
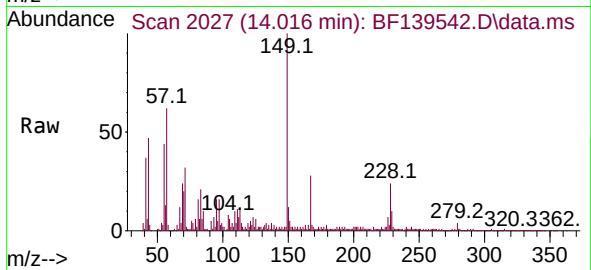




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.651 ng
RT: 14.016 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

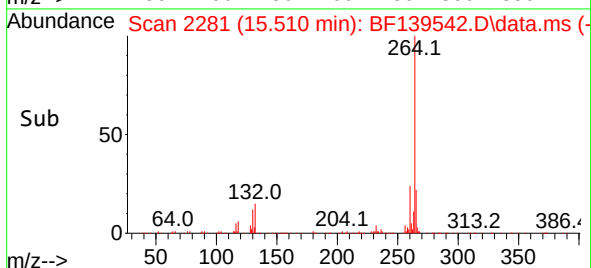
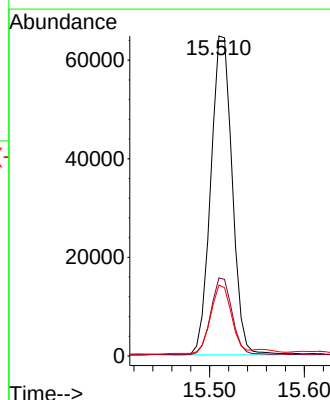
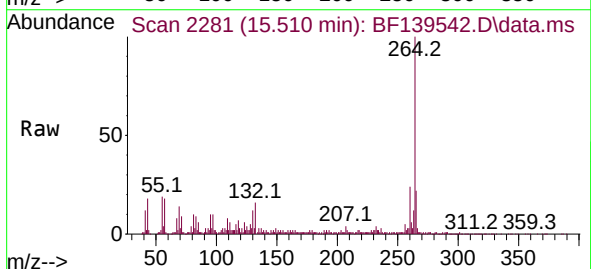
Instrument :
BNA_F
ClientSampleId :
CHRT-24336

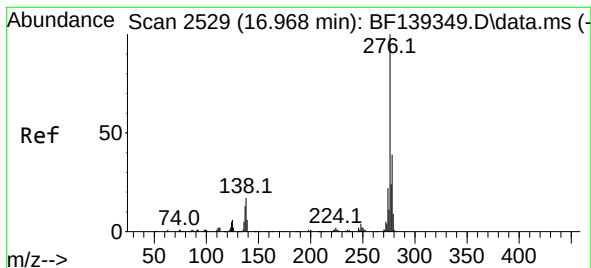
Tgt Ion:149 Resp: 102811
Ion Ratio Lower Upper
149 100
167 27.6 21.6 32.4
279 4.4 3.3 4.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF139542.D
Acq: 25 Sep 2024 21:40

Tgt Ion:264 Resp: 101369
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.538 ng

RT: 16.980 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

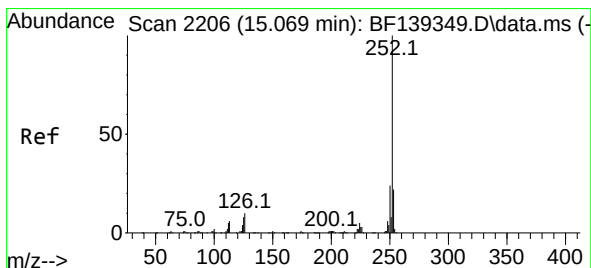
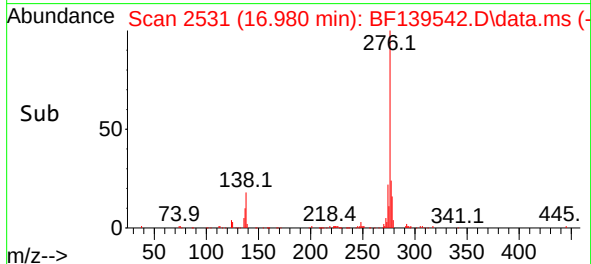
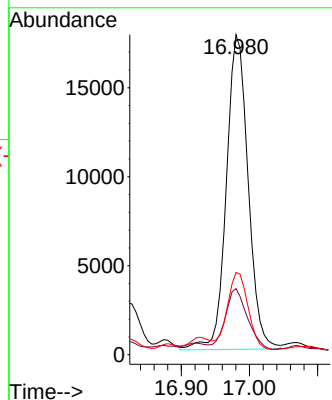
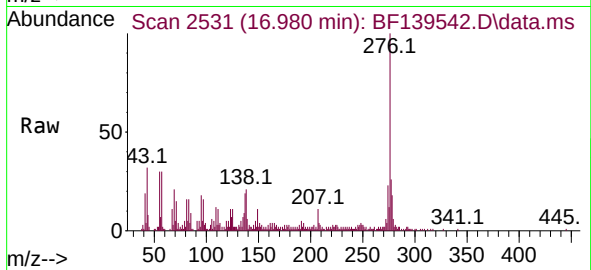
Tgt Ion:276 Resp: 39412

Ion Ratio Lower Upper

276 100

138 19.4 15.4 23.2

277 23.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 23.040 ng

RT: 15.080 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

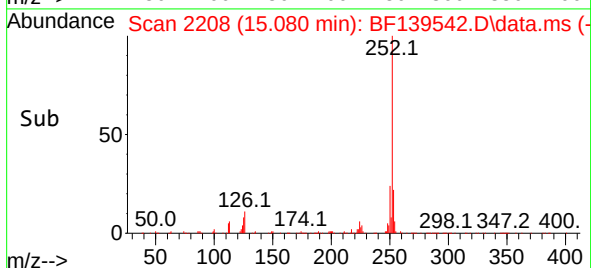
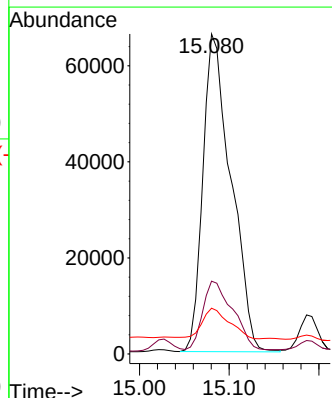
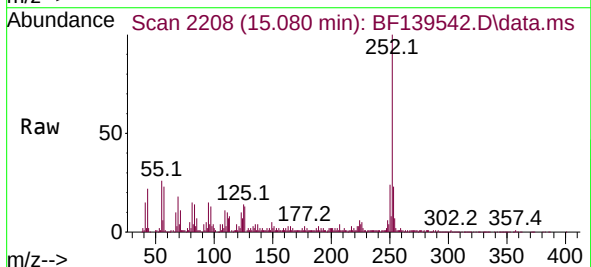
Tgt Ion:252 Resp: 144044

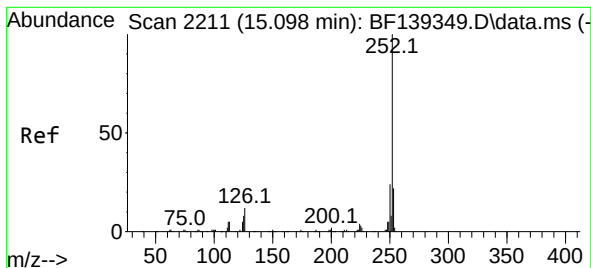
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 14.3 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 24.989 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

Instrument :

BNA_F

ClientSampleId :

CHRT-24336

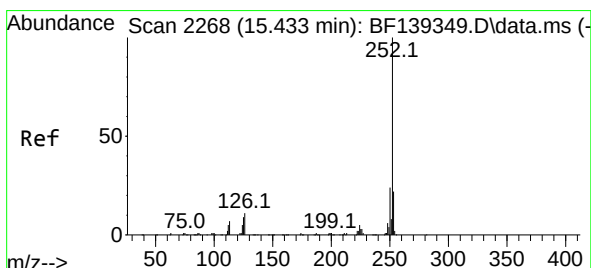
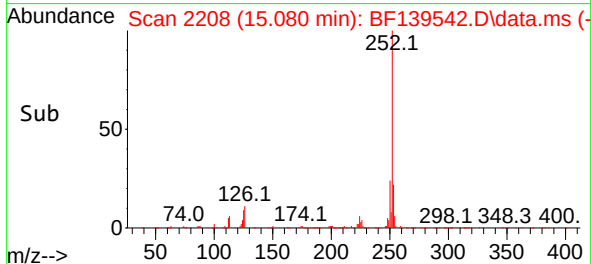
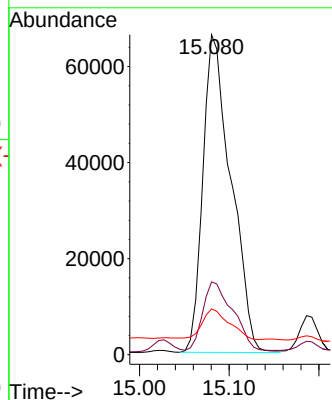
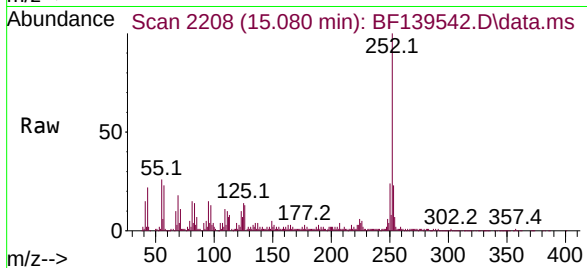
Tgt Ion:252 Resp: 144044

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 14.3 5.9 8.9#



#90

Benzo(a)pyrene

Concen: 11.626 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF139542.D

Acq: 25 Sep 2024 21:40

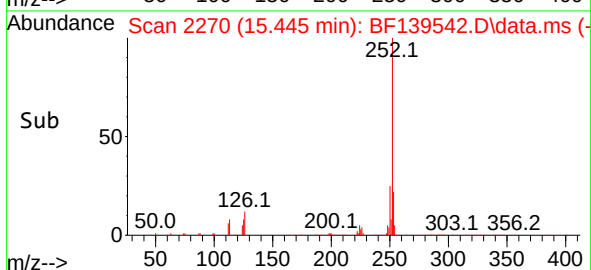
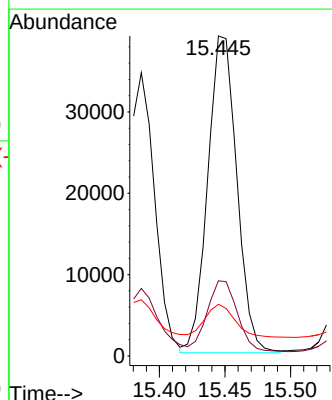
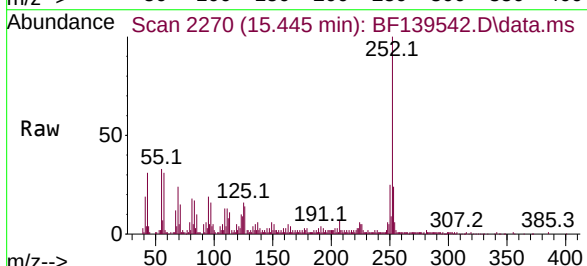
Tgt Ion:252 Resp: 60281

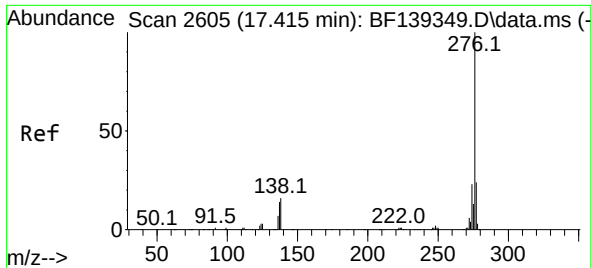
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

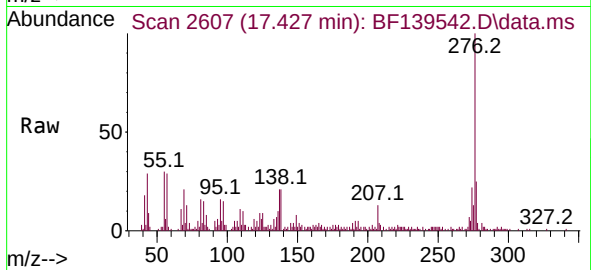
125 16.1 6.8 10.2#





#92
 Benzo(g,h,i)perylene
 Concen: 7.312 ng
 RT: 17.427 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: BF139542.D
 Acq: 25 Sep 2024 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24336



Tgt Ion:276 Resp: 36060
 Ion Ratio Lower Upper
 276 100
 277 24.7 18.9 28.3
 138 20.8 13.0 19.6#

