

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137985.D
 Acq On : 21 May 2024 18:44
 Operator : CG\JU
 Sample : P2512-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJDL

Quant Time: May 22 01:29:31 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

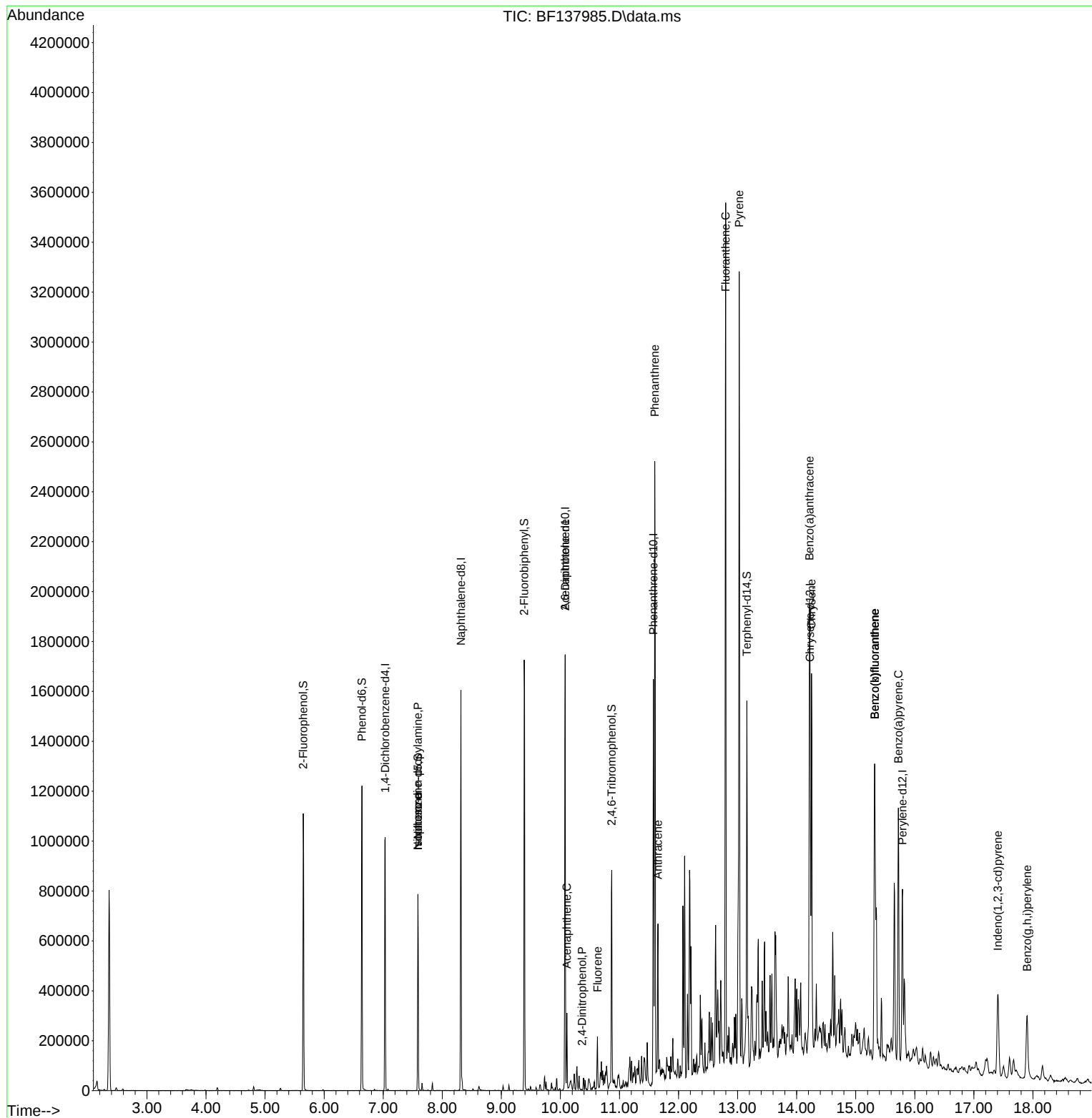
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	158950	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	627796	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	352222	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	569102	20.000	ng	0.00
76) Chrysene-d12	14.228	240	318995	20.000	ng	0.00
86) Perylene-d12	15.792	264	323225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	316732	33.848	ng	-0.02
7) Phenol-d6	6.640	99	395467	34.308	ng	-0.02
23) Nitrobenzene-d5	7.587	82	229484	21.512	ng	-0.02
42) 2,4,6-Tribromophenol	10.869	330	100300	28.242	ng	-0.01
45) 2-Fluorobiphenyl	9.387	172	543037	23.749	ng	-0.01
79) Terphenyl-d14	13.157	244	477402	22.057	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.587	70	29439	4.546	ng	# 78
25) Isophorone	7.587	82	229481	12.395	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	46503	9.173	ng	# 29
52) Acenaphthene	10.110	154	56170	2.997	ng	98
54) 2,4-Dinitrophenol	10.369	184	54	6.986	ng	# 14
58) Fluorene	10.628	166	51285	2.377	ng	94
71) Phenanthrene	11.598	178	903374	32.212	ng	99
72) Anthracene	11.651	178	226025	8.123	ng	99
75) Fluoranthene	12.798	202	1332560	46.812	ng	99
78) Pyrene	13.028	202	1311806	47.017	ng	99
81) Benzo(a)anthracene	14.216	228	662707	32.837	ng	97
83) Chrysene	14.251	228	592276	30.686	ng	97
87) Indeno(1,2,3-cd)pyrene	17.404	276	241540	11.631	ng	95
88) Benzo(b)fluoranthene	15.322	252	970021	51.831	ng	99
89) Benzo(k)fluoranthene	15.322	252	969306	52.721	ng	98
90) Benzo(a)pyrene	15.722	252	520105	32.546	ng	97
92) Benzo(g,h,i)perylene	17.904	276	219779	12.194	ng	99

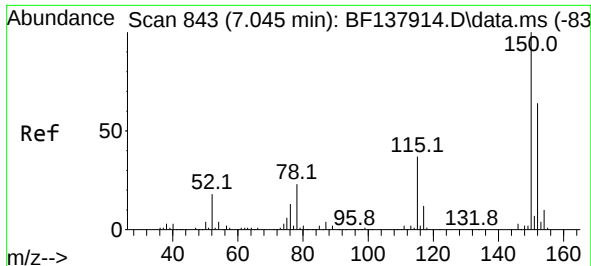
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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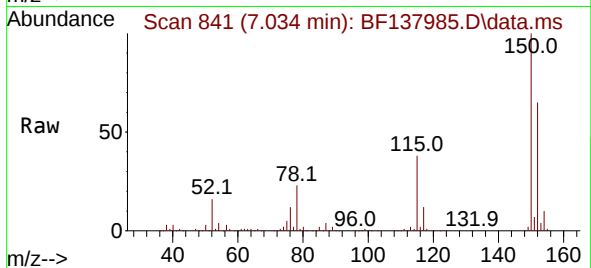
Quant Time: May 22 01:29:31 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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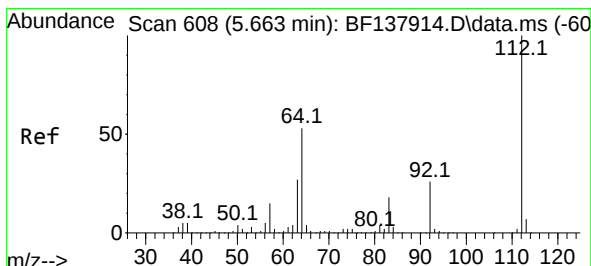
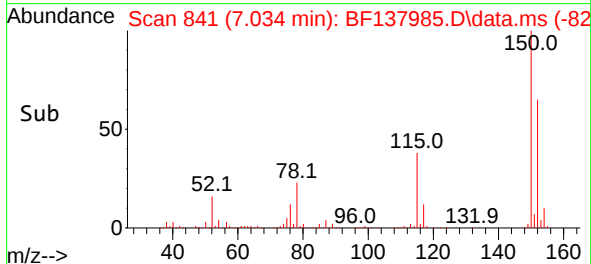
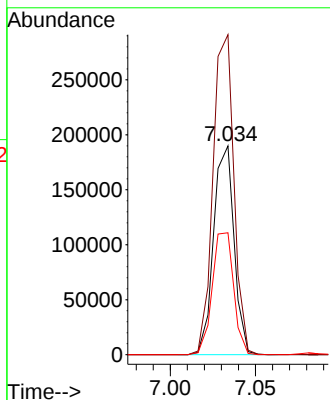


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

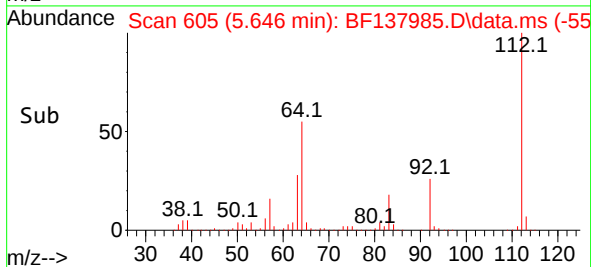
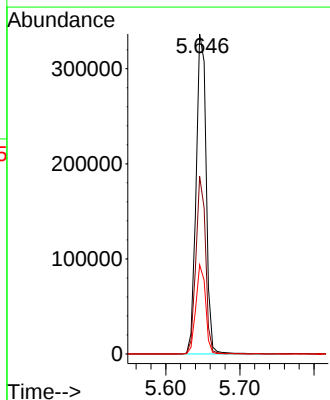
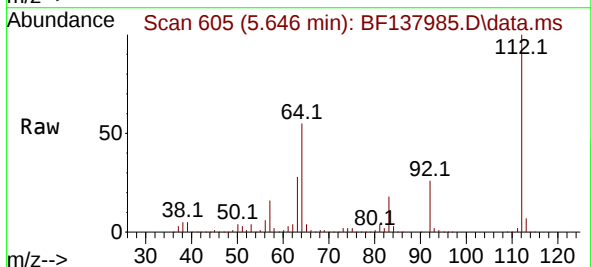


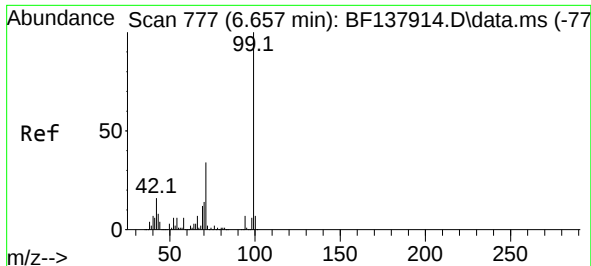
Tgt Ion:152 Resp: 158950
Ion Ratio Lower Upper
152 100
150 153.3 125.7 188.5
115 58.4 47.0 70.6



#5
2-Fluorophenol
Concen: 33.848 ng
RT: 5.646 min Scan# 605
Delta R.T. -0.017 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:112 Resp: 316732
Ion Ratio Lower Upper
112 100
64 55.5 42.4 63.6
63 27.9 21.4 32.2

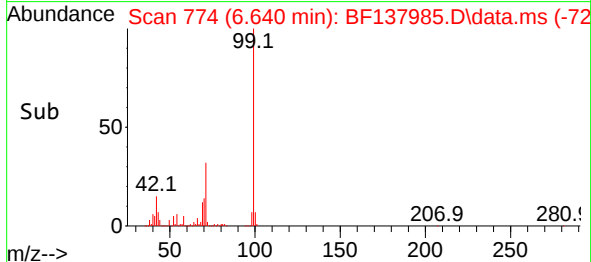
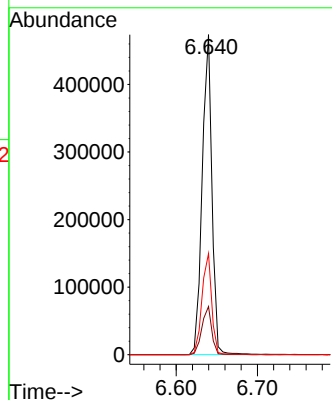
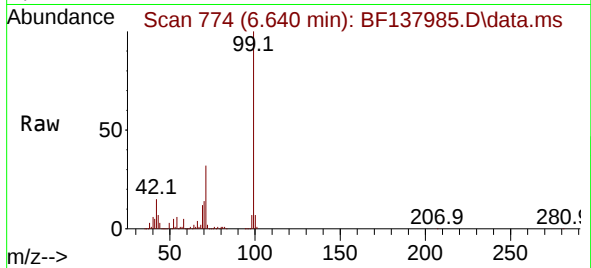




#7
Phenol-d6
Concen: 34.308 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

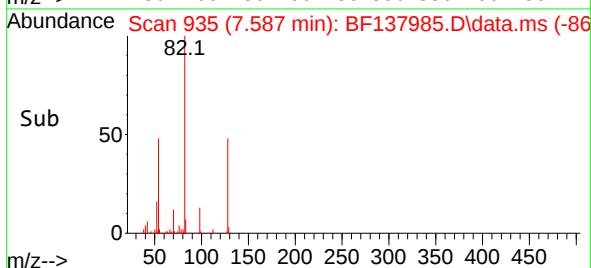
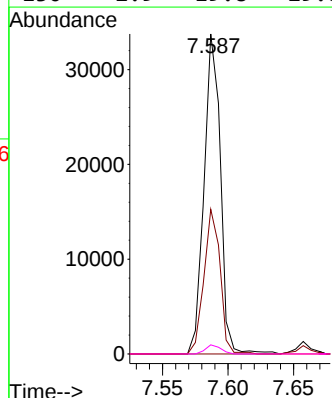
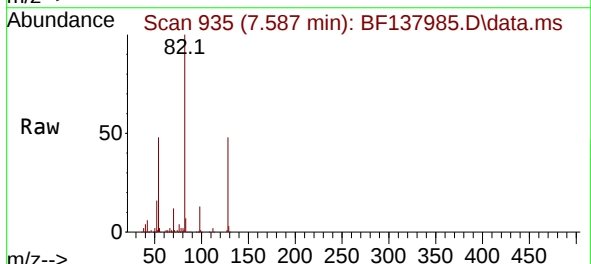
Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

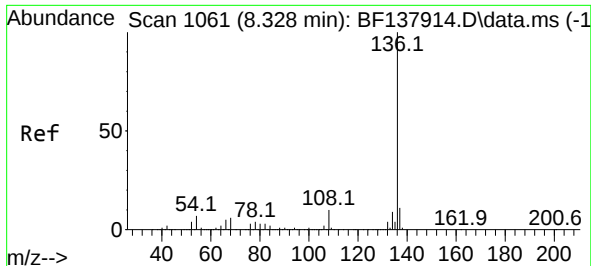
Tgt Ion: 99 Resp: 395467
Ion Ratio Lower Upper
99 100
42 15.1 12.6 18.8
71 31.6 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.546 ng
RT: 7.587 min Scan# 935
Delta R.T. 0.136 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion: 70 Resp: 29439
Ion Ratio Lower Upper
70 100
42 45.2 42.2 63.4
101 0.0 8.8 13.2#
130 2.9 19.8 29.8#



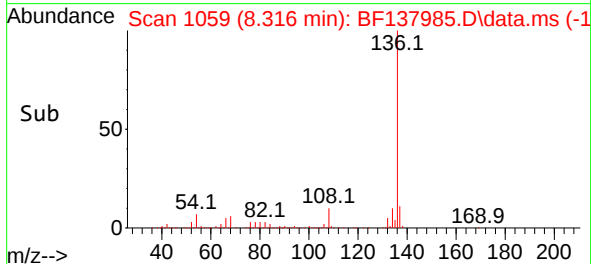
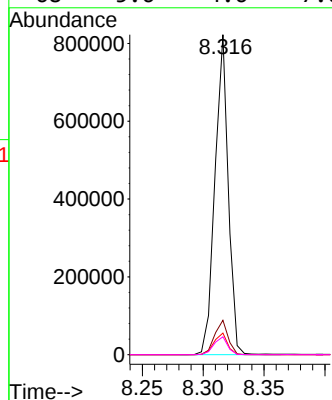
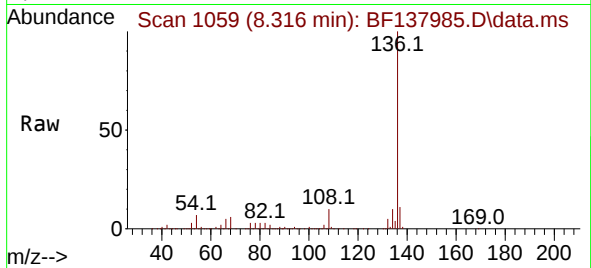


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

Tgt Ion: 136 Resp: 627796

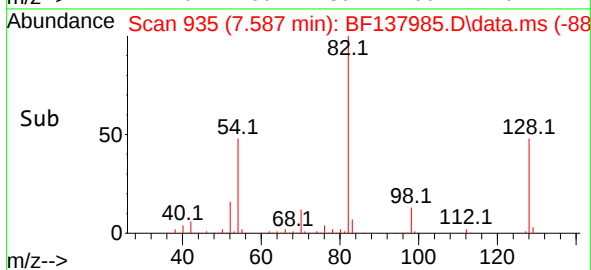
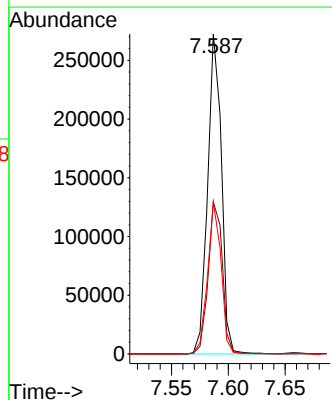
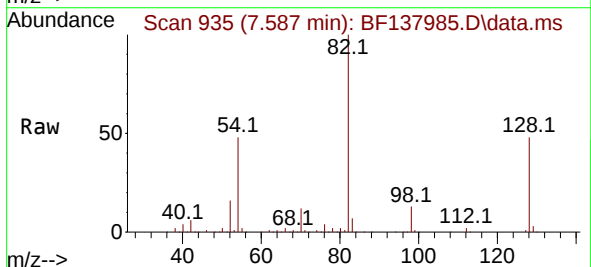
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.8	5.4	8.2
68	5.6	4.6	7.0



#23
Nitrobenzene-d5
Concen: 21.512 ng
RT: 7.587 min Scan# 935
Delta R.T. -0.023 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion: 82 Resp: 229484

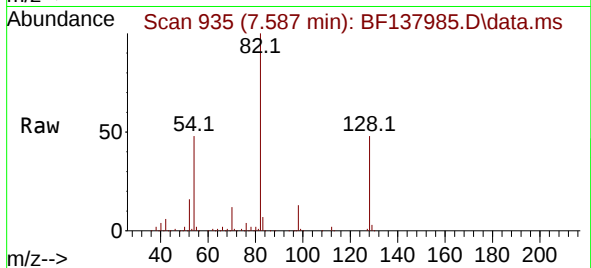
Ion	Ratio	Lower	Upper
82	100		
128	47.5	40.3	60.5
54	47.5	36.8	55.2



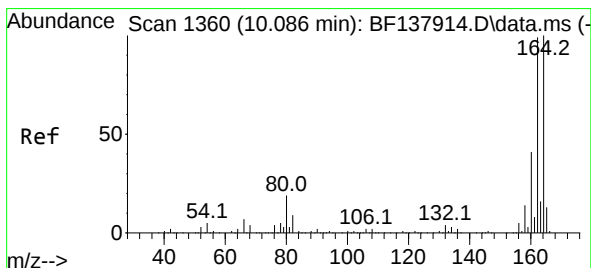
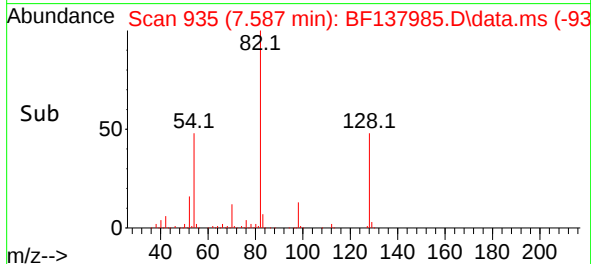
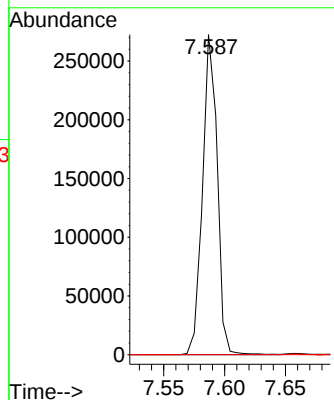


#25
Isophorone
Concen: 12.395 ng
RT: 7.587 min Scan# 91
Delta R.T. -0.270 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

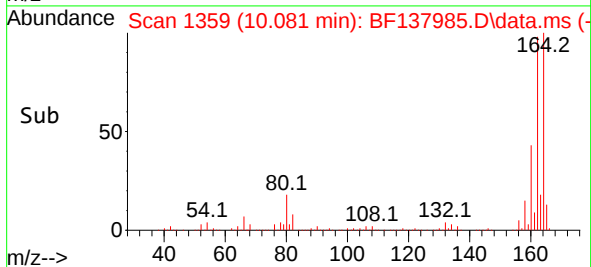
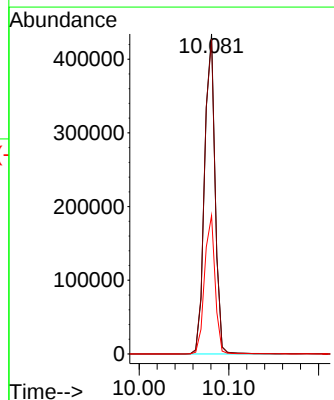
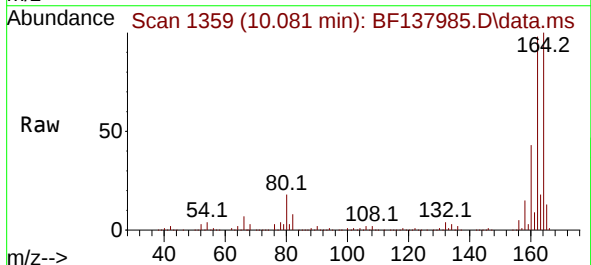


Tgt Ion: 82 Resp: 229481
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:164 Resp: 352222
Ion Ratio Lower Upper
164 100
162 98.3 79.4 119.2
160 43.3 33.1 49.7





#42

2,4,6-Tribromophenol

Concen: 28.242 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.011 min

Lab File: BF137985.D

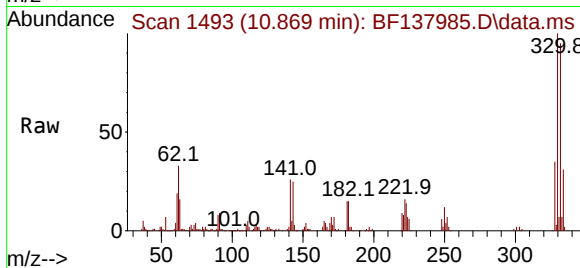
Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL



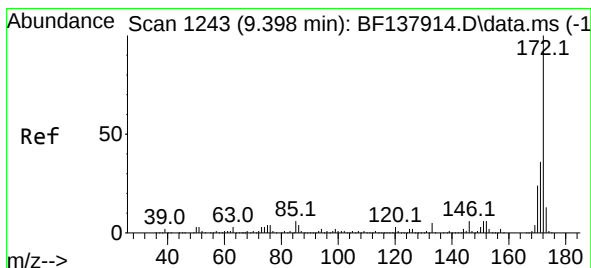
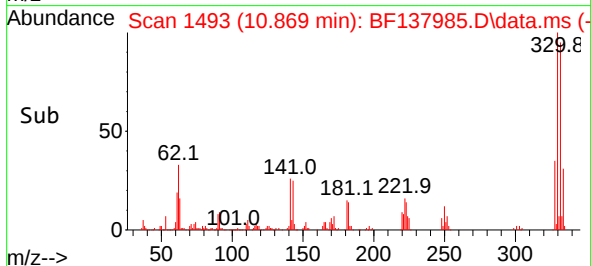
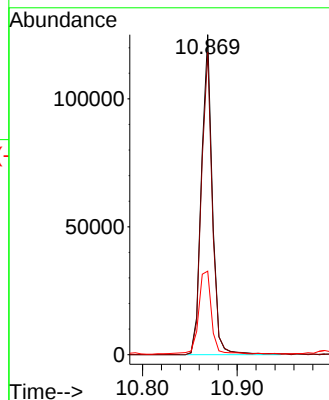
Tgt Ion:330 Resp: 100300

Ion Ratio Lower Upper

330 100

332 95.3 75.8 113.8

141 31.0 23.8 35.6



#45

2-Fluorobiphenyl

Concen: 23.749 ng

RT: 9.387 min Scan# 1241

Delta R.T. -0.011 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

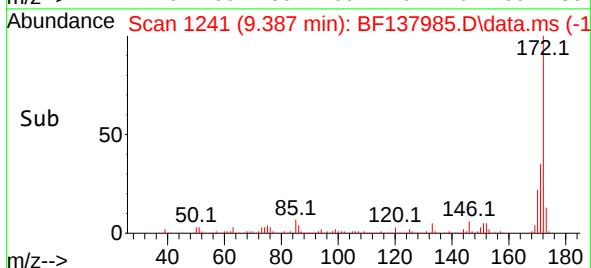
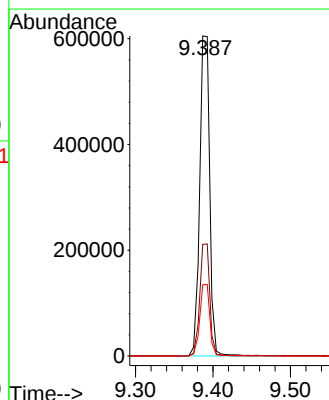
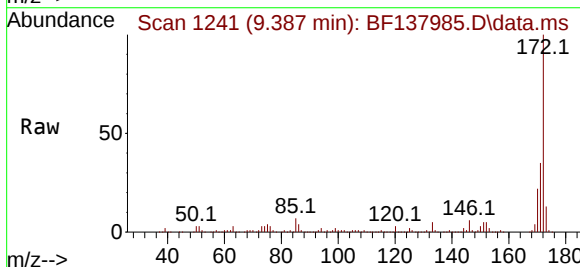
Tgt Ion:172 Resp: 543037

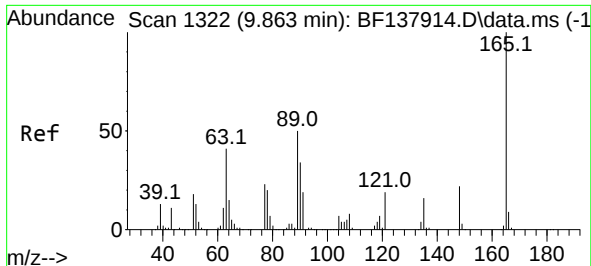
Ion Ratio Lower Upper

172 100

171 34.9 28.9 43.3

170 22.3 18.9 28.3

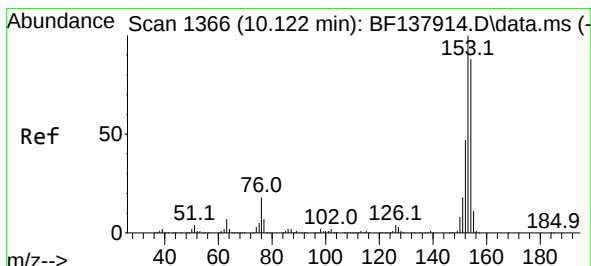
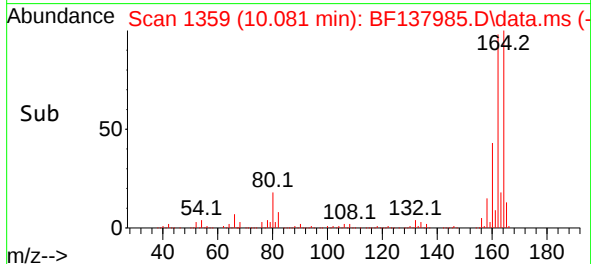
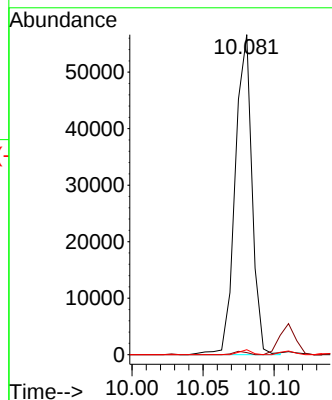
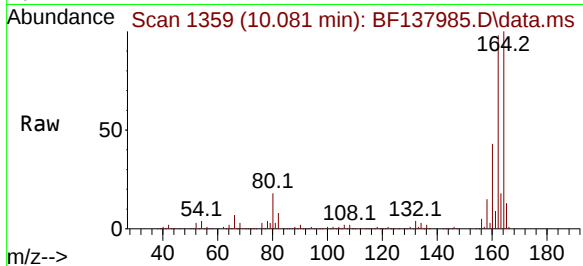




#51
2,6-Dinitrotoluene
Concen: 9.173 ng
RT: 10.081 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

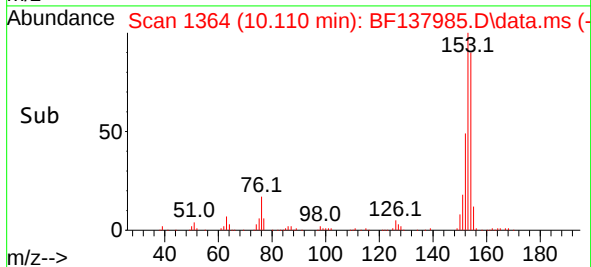
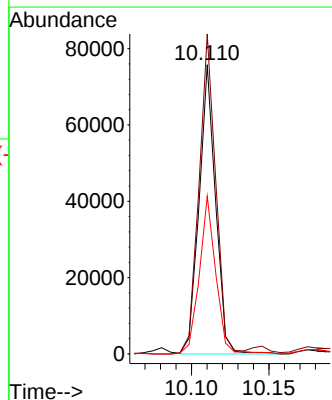
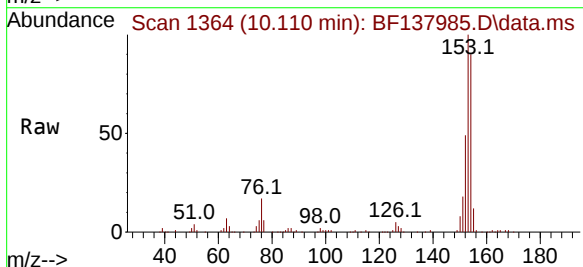
Instrument :
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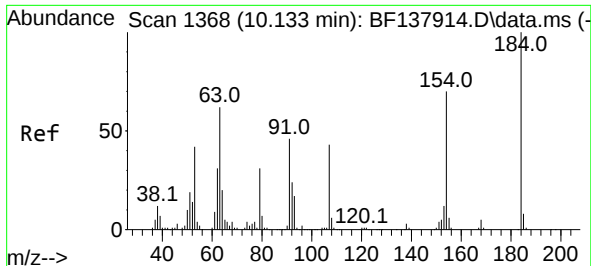
Tgt Ion:165 Resp: 46503
Ion Ratio Lower Upper
165 100
63 0.7 38.9 58.3#
89 1.5 40.4 60.6#



#52
Acenaphthene
Concen: 2.997 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:154 Resp: 56170
Ion Ratio Lower Upper
154 100
153 110.6 90.4 135.6
152 54.5 42.3 63.5

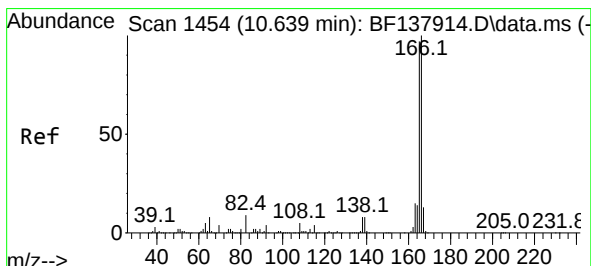
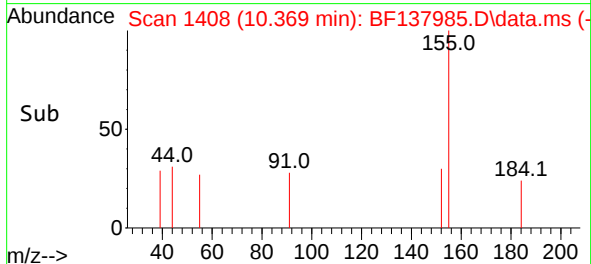
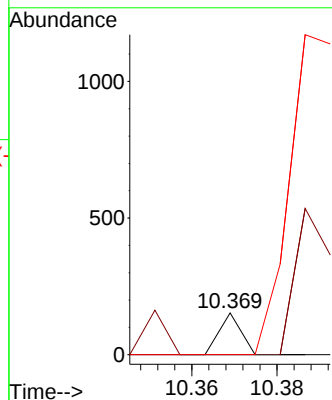
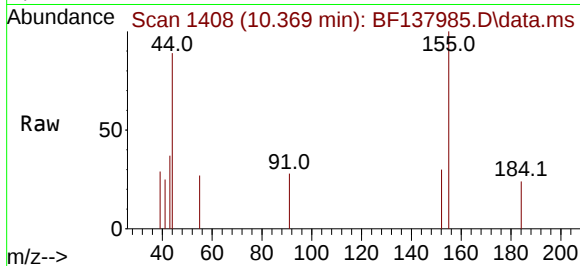




#54
2,4-Dinitrophenol
Concen: 6.986 ng
RT: 10.369 min Scan# 1408
Delta R.T. 0.236 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

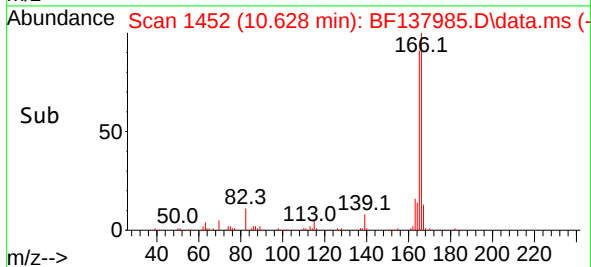
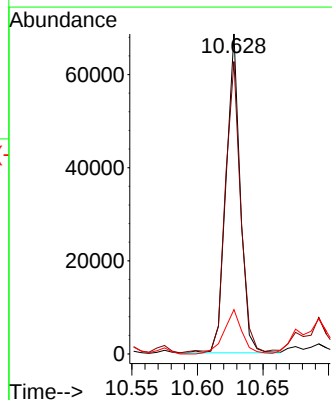
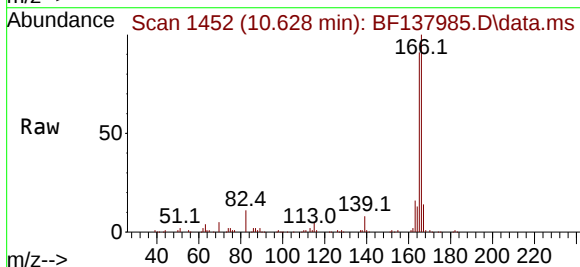
Instrument :
BNA_F
ClientSampleId :
WCS-TPJDL

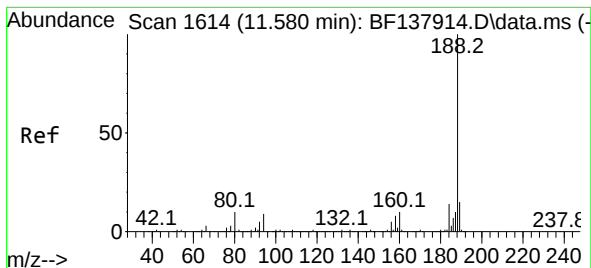
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 50.4 75.6#
154 0.0 63.7 95.5#



#58
Fluorene
Concen: 2.377 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.011 min
Lab File: BF137985.D
Acq: 21 May 2024 18:44

Tgt Ion:166 Resp: 51285
Ion Ratio Lower Upper
166 100
165 91.4 77.8 116.8
167 13.8 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

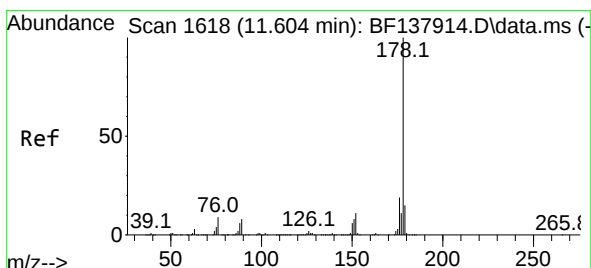
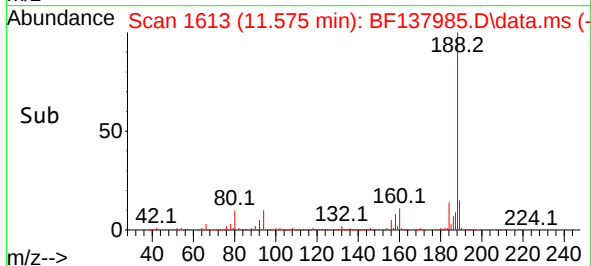
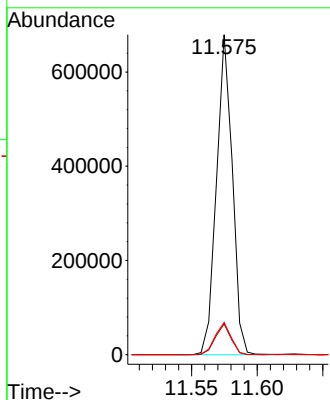
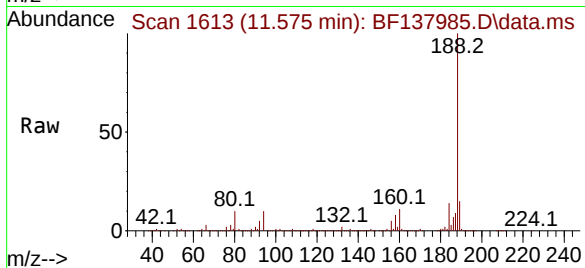
Tgt Ion:188 Resp: 569102

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.4

80 10.1 7.7 11.5



#71

Phenanthrene

Concen: 32.212 ng

RT: 11.598 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

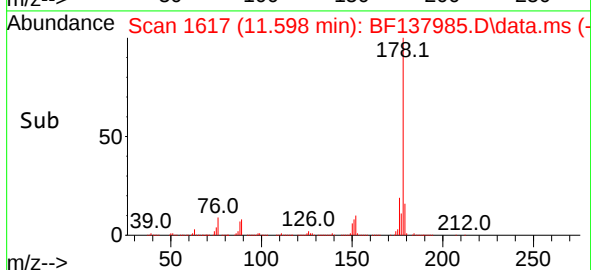
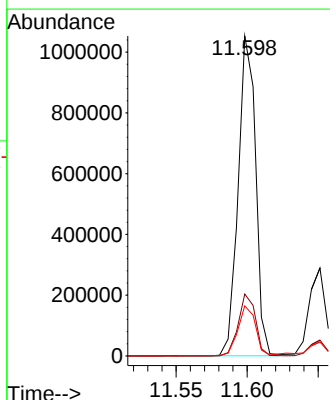
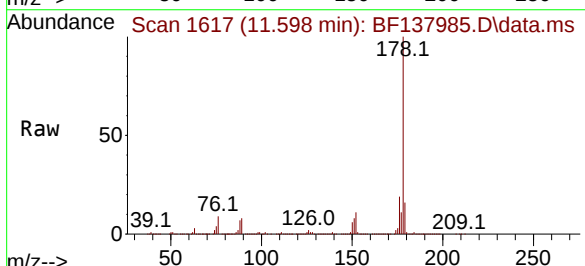
Tgt Ion:178 Resp: 903374

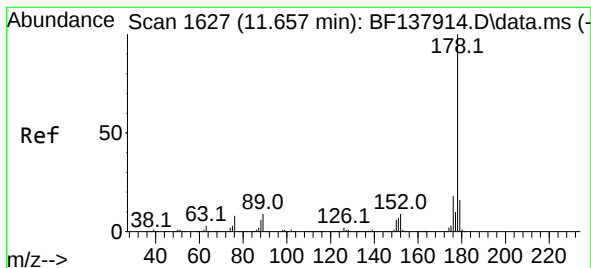
Ion Ratio Lower Upper

178 100

176 19.3 15.2 22.8

179 15.6 12.2 18.4





#72

Anthracene

Concen: 8.123 ng

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

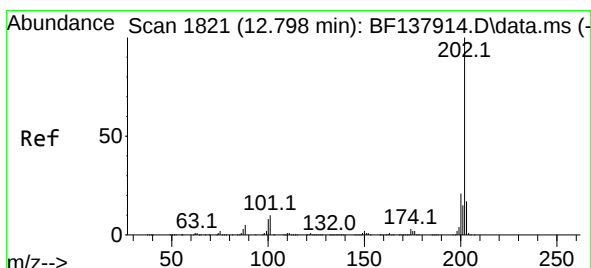
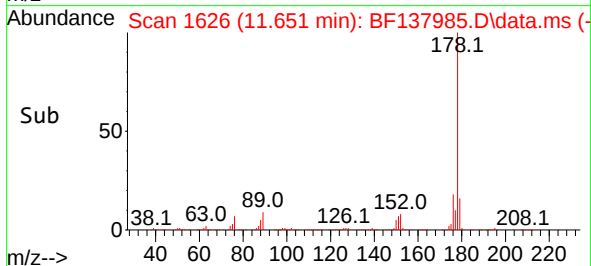
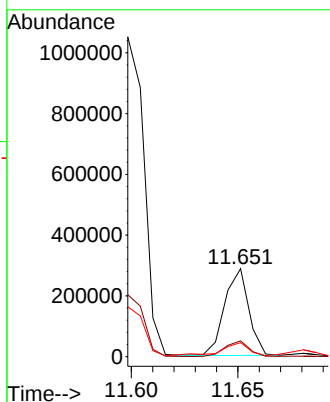
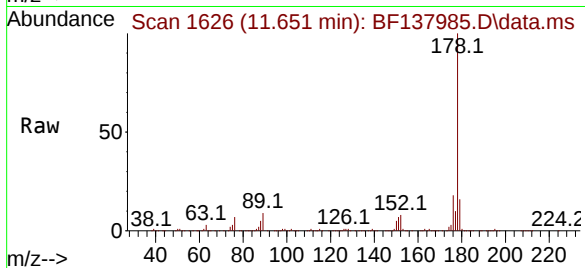
Tgt Ion:178 Resp: 226025

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

179 16.1 12.4 18.6



#75

Fluoranthene

Concen: 46.812 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

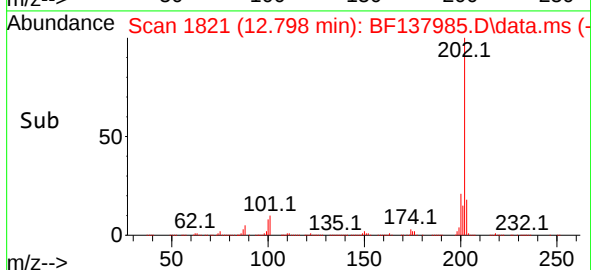
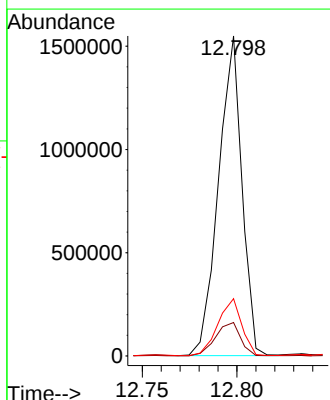
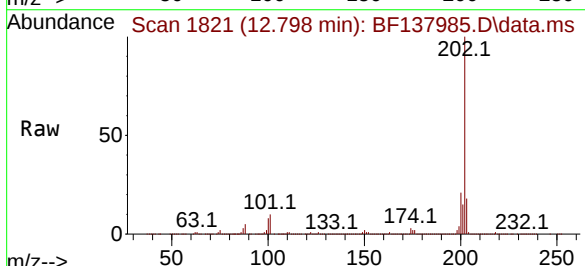
Tgt Ion:202 Resp: 1332560

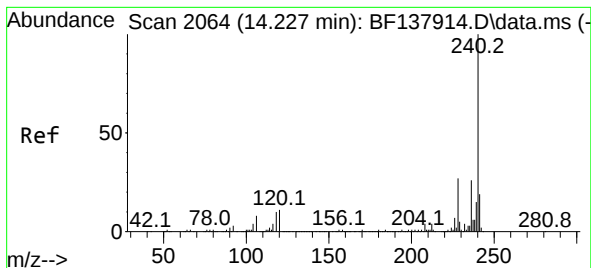
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.5

203 17.9 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.228 min Scan# 2064

Delta R.T. 0.000 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

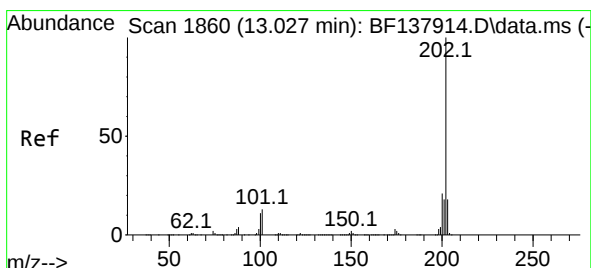
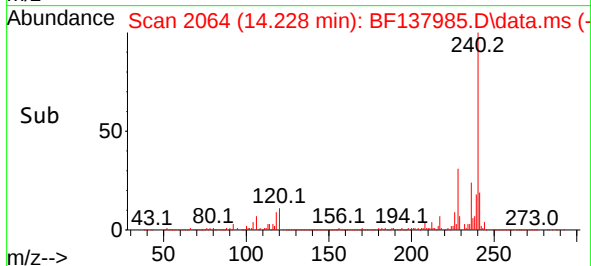
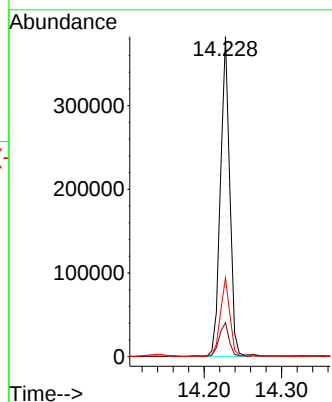
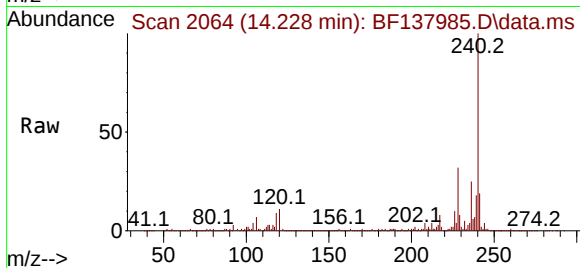
Tgt Ion:240 Resp: 318995

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

236 24.7 21.0 31.4



#78

Pyrene

Concen: 47.017 ng

RT: 13.028 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

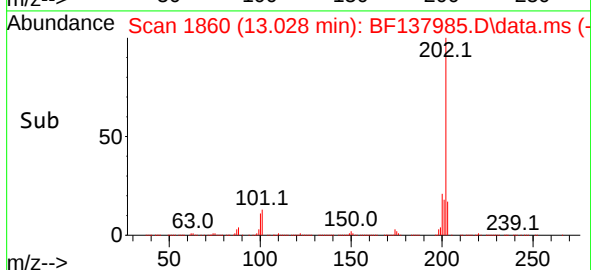
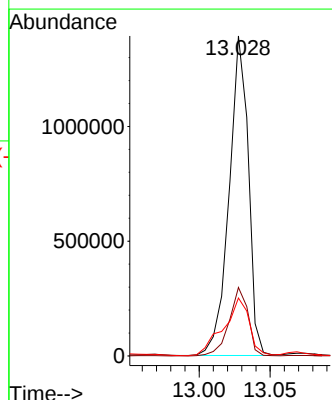
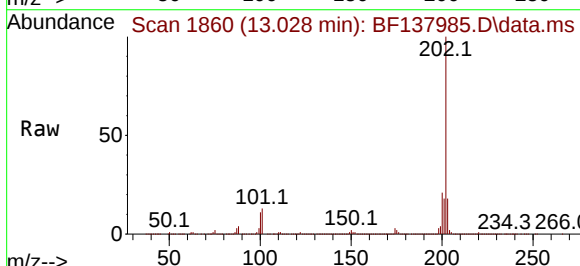
Tgt Ion:202 Resp: 1311806

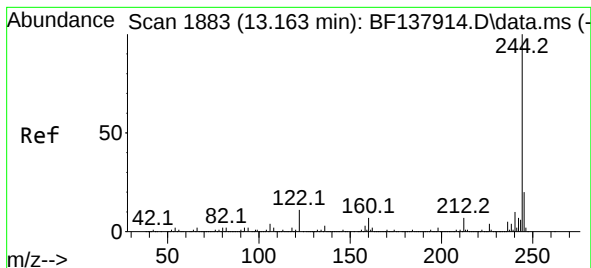
Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 22.057 ng

RT: 13.157 min Scan# 1882

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

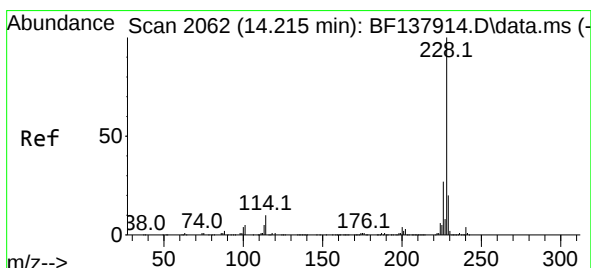
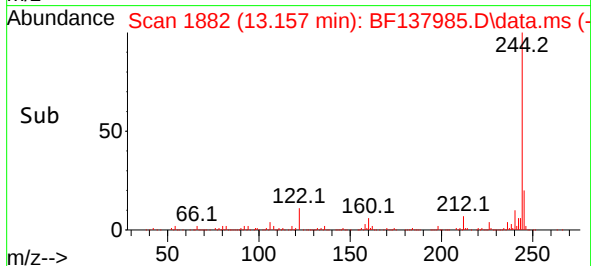
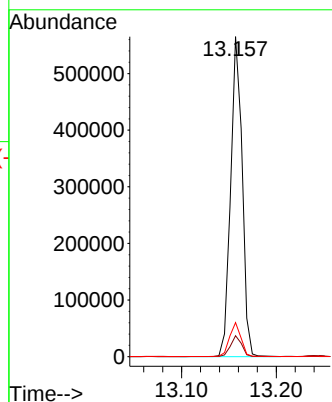
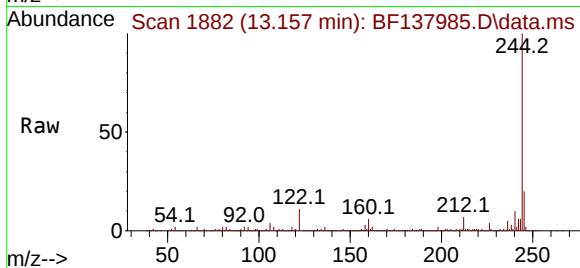
Tgt Ion:244 Resp: 477402

Ion Ratio Lower Upper

244 100

212 6.5 5.6 8.4

122 10.6 8.8 13.2



#81

Benzo(a)anthracene

Concen: 32.837 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

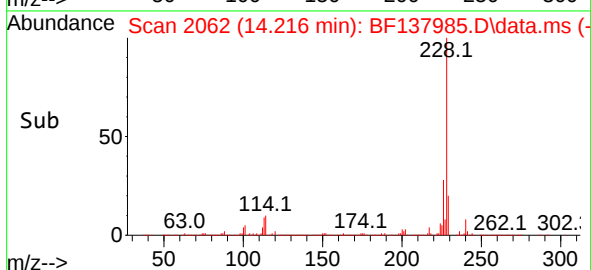
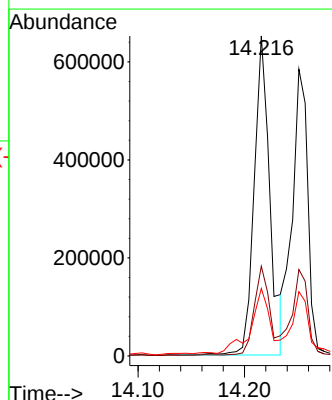
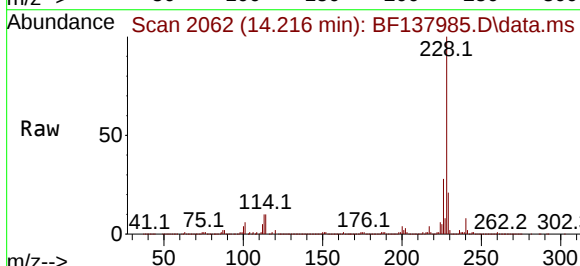
Tgt Ion:228 Resp: 662707

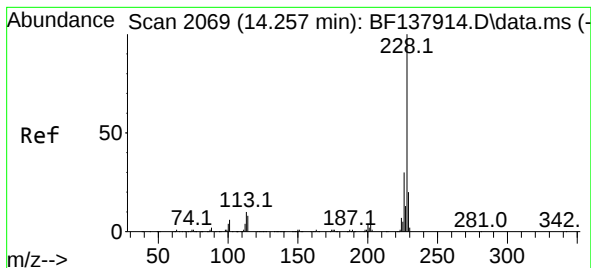
Ion Ratio Lower Upper

228 100

226 28.0 21.3 31.9

229 21.1 15.7 23.5





#83

Chrysene

Concen: 30.686 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

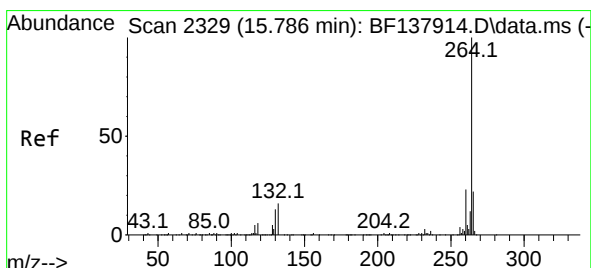
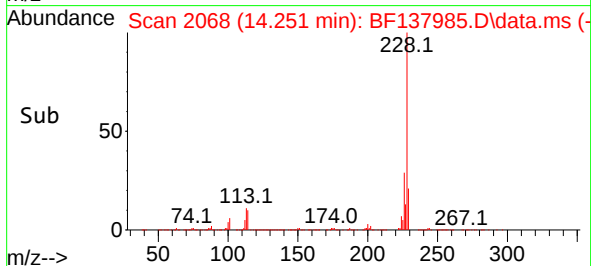
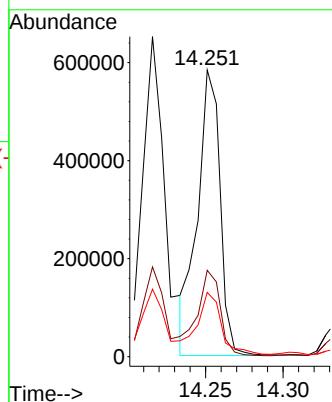
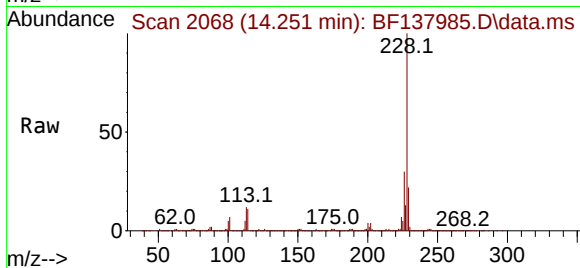
Tgt Ion:228 Resp: 592276

Ion Ratio Lower Upper

228 100

226 30.1 23.8 35.8

229 22.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

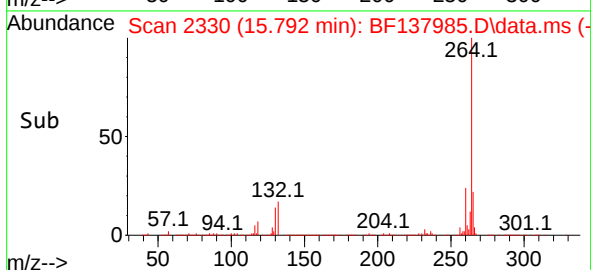
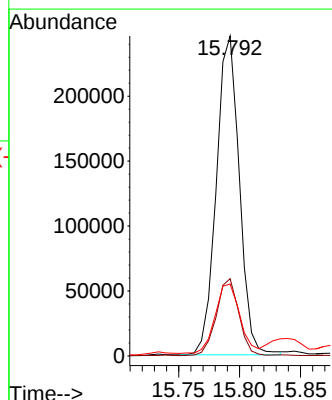
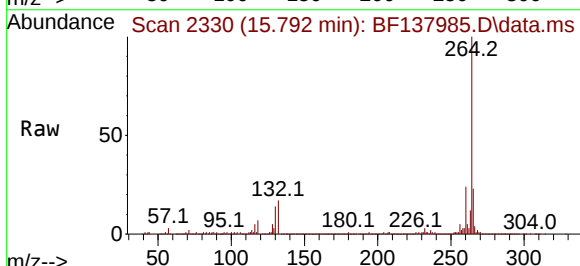
Tgt Ion:264 Resp: 323225

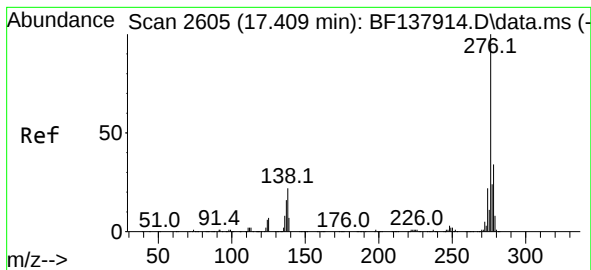
Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

265 22.5 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.631 ng

RT: 17.404 min Scan# 2

Delta R.T. -0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

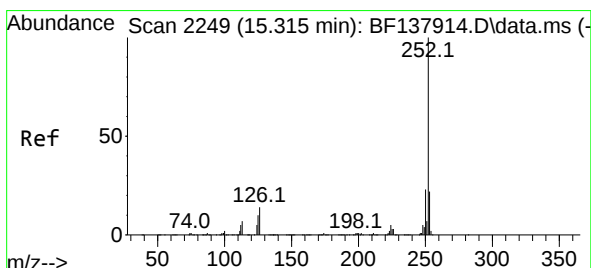
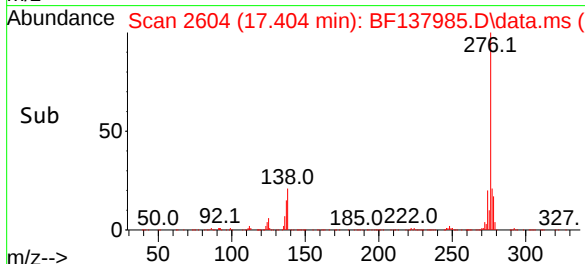
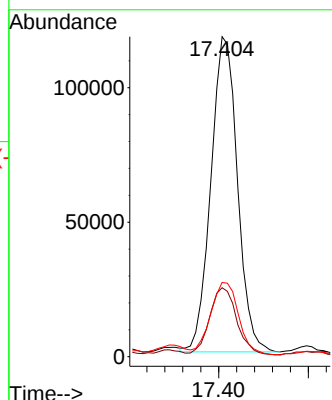
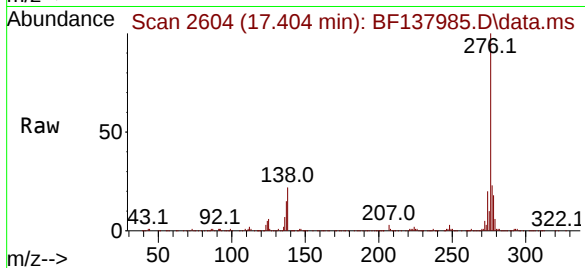
Tgt Ion:276 Resp: 241540

Ion Ratio Lower Upper

276 100

138 21.8 20.6 30.8

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 51.831 ng

RT: 15.322 min Scan# 2250

Delta R.T. 0.006 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

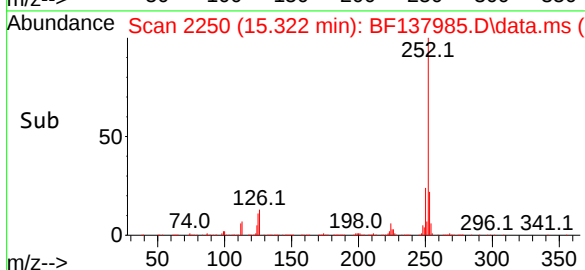
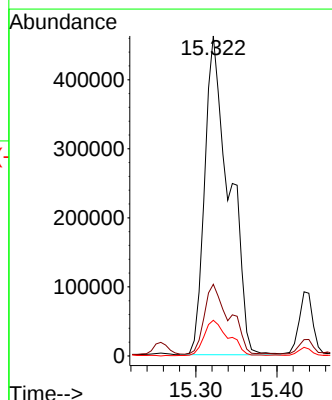
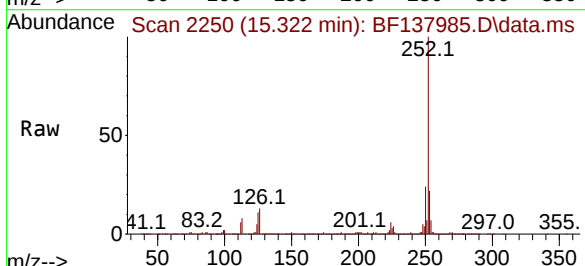
Tgt Ion:252 Resp: 970021

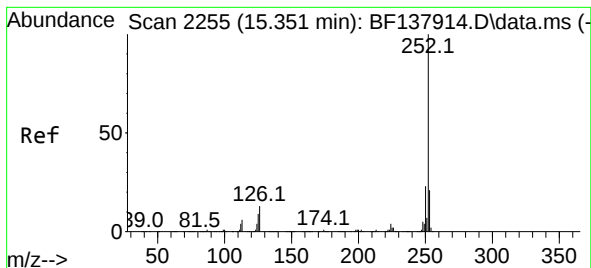
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 11.1 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 52.721 ng

RT: 15.322 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

Instrument :

BNA_F

ClientSampleId :

WCS-TPJDL

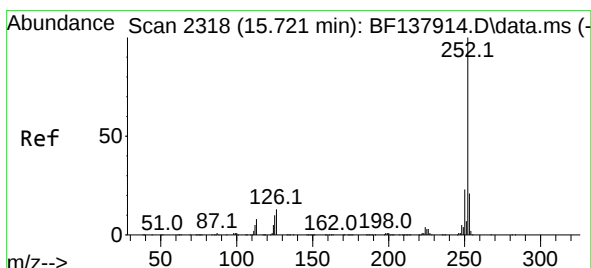
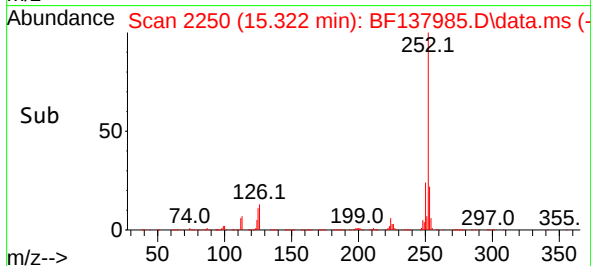
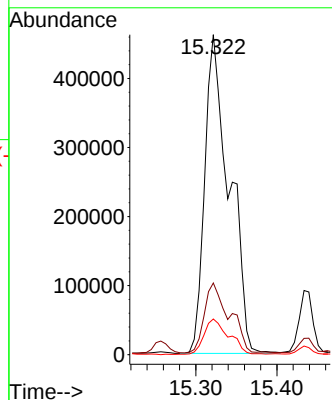
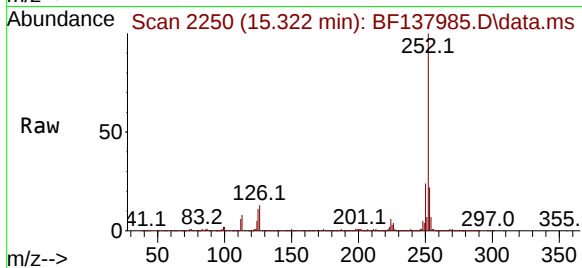
Tgt Ion:252 Resp: 969306

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 11.1 7.7 11.5



#90

Benzo(a)pyrene

Concen: 32.546 ng

RT: 15.722 min Scan# 2318

Delta R.T. 0.000 min

Lab File: BF137985.D

Acq: 21 May 2024 18:44

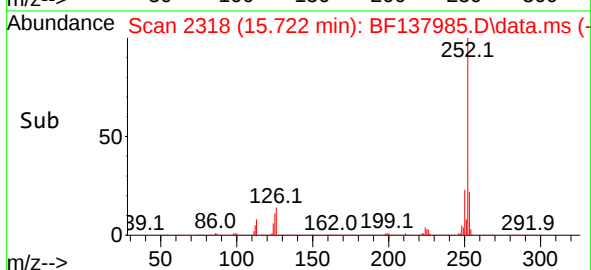
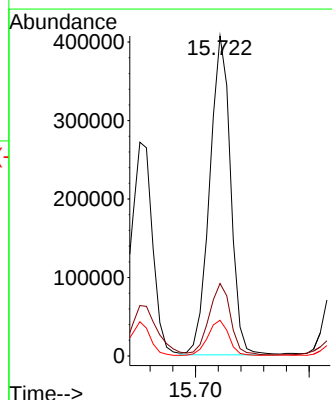
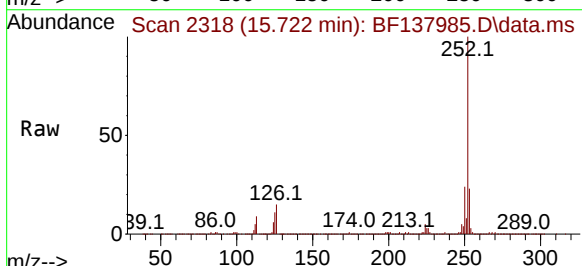
Tgt Ion:252 Resp: 520105

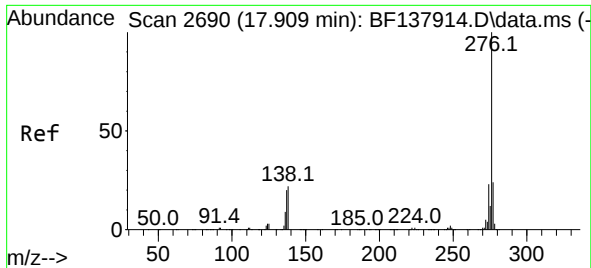
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

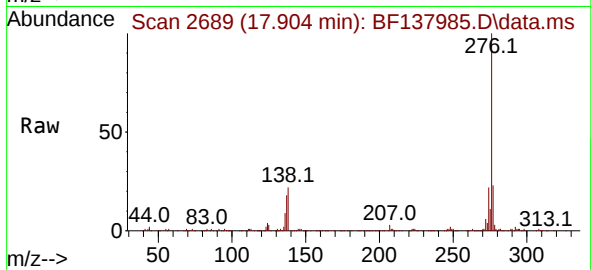
125 11.2 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 12.194 ng
 RT: 17.904 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF137985.D
 Acq: 21 May 2024 18:44

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPJDL



Tgt Ion:276 Resp: 219779
 Ion Ratio Lower Upper
 276 100
 277 23.1 18.9 28.3
 138 22.0 17.6 26.4

