

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042424\
 Data File : BF137724.D
 Acq On : 24 Apr 2024 18:18
 Operator : CG\JU
 Sample : P2245-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 YARD-3

Quant Time: Apr 25 04:17:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

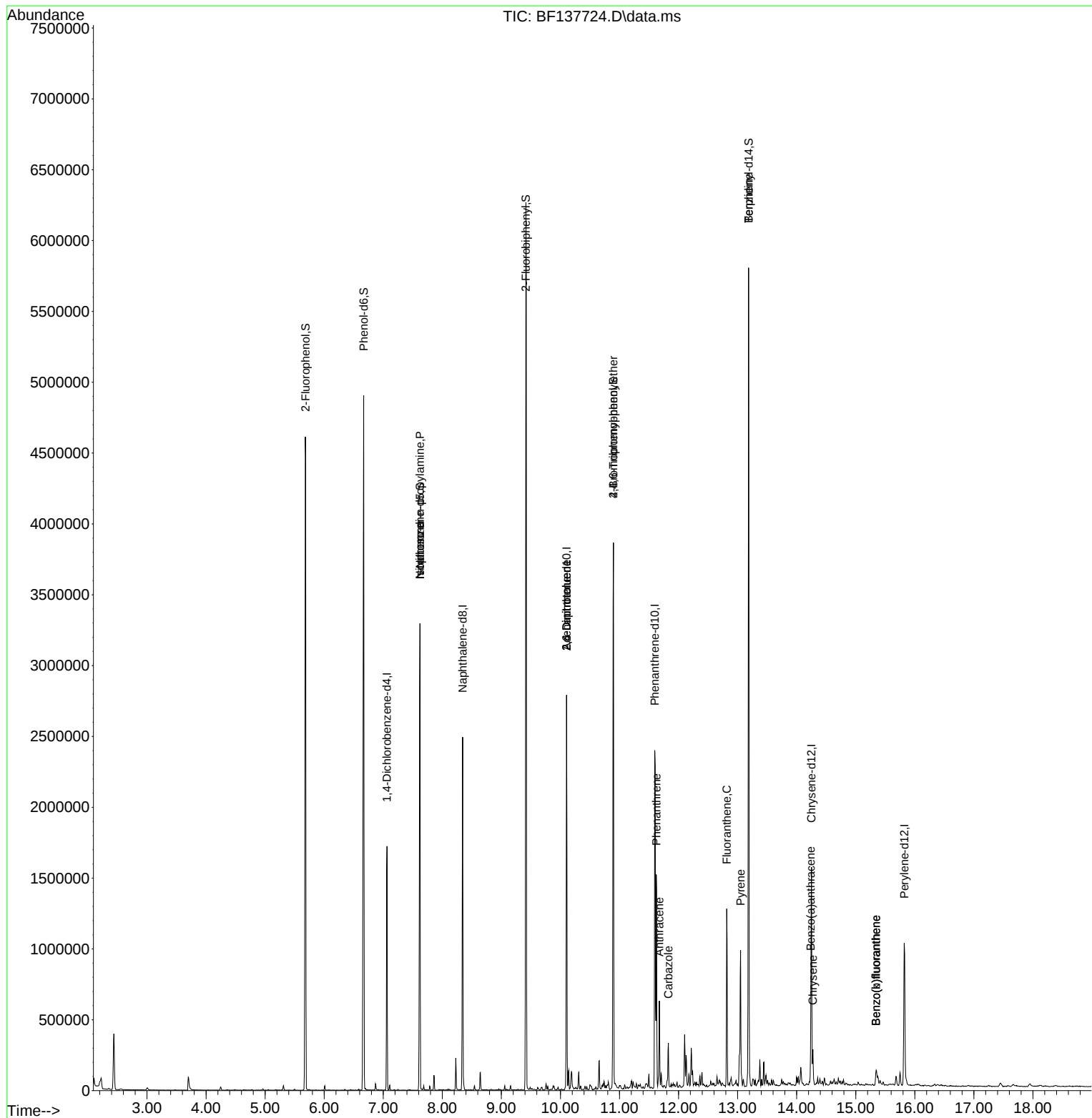
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.063	152	250068	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	978984	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	533393	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	891120	20.000	ng	0.00
76) Chrysene-d12	14.251	240	455618	20.000	ng	# 0.00
86) Perylene-d12	15.821	264	489434	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	1361655	82.714	ng	0.00
7) Phenol-d6	6.669	99	1733573	82.925	ng	0.00
23) Nitrobenzene-d5	7.622	82	1025624	55.612	ng	0.00
42) 2,4,6-Tribromophenol	10.898	330	456184	84.756	ng	0.00
45) 2-Fluorobiphenyl	9.416	172	1997656	55.961	ng	-0.01
79) Terphenyl-d14	13.186	244	1877618	66.331	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.622	70	138539	10.248	ng	# 76
25) Isophorone	7.622	82	1024252	29.904	ng	# 64
51) 2,6-Dinitrotoluene	10.104	165	69854	8.921	ng	# 23
57) 2,4-Dinitrotoluene	10.104	165	69854	7.076	ng	# 25
67) 4-Bromophenyl-phenylether	10.898	248	29190	2.827	ng	# 1
71) Phenanthrene	11.627	178	545337	11.561	ng	97
72) Anthracene	11.674	178	202598	4.194	ng	97
73) Carbazole	11.827	167	115015	2.627	ng	98
75) Fluoranthene	12.815	202	463856	9.355	ng	99
77) Benzidine	13.186	184	23366	2.196	ng	# 91
78) Pyrene	13.051	202	367637	9.831	ng	98
81) Benzo(a)anthracene	14.239	228	108662	3.419	ng	98
83) Chrysene	14.274	228	84011	2.829	ng	96
88) Benzo(b)fluoranthene	15.345	252	90081	2.876	ng	99
89) Benzo(k)fluoranthene	15.345	252	90081	2.926	ng	99

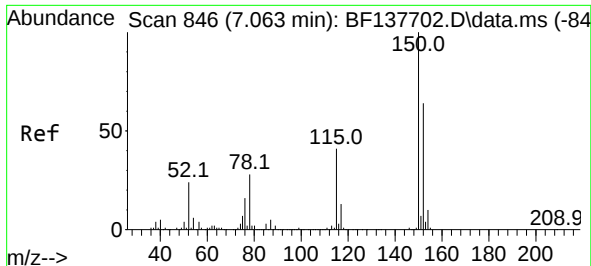
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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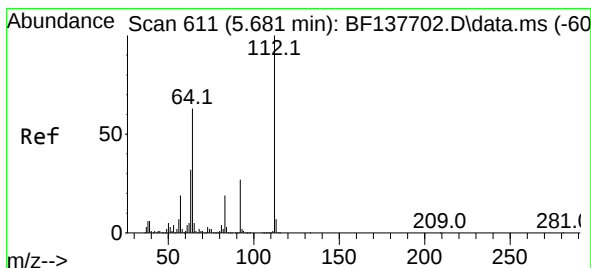
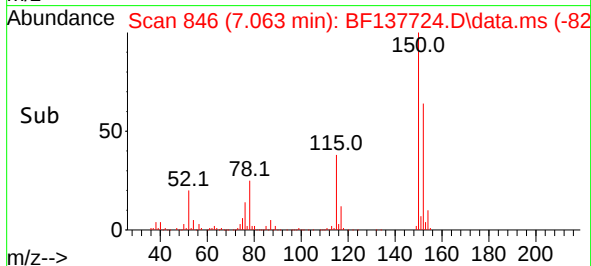
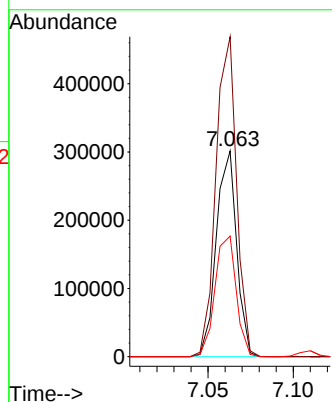
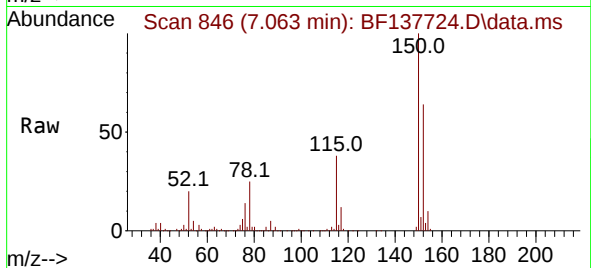




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

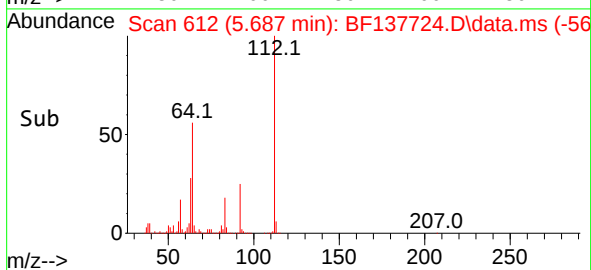
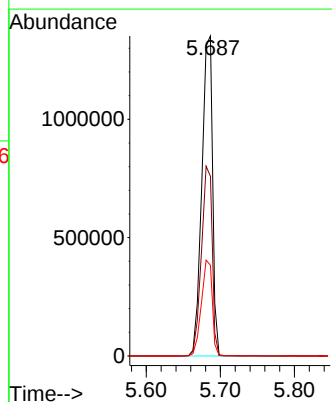
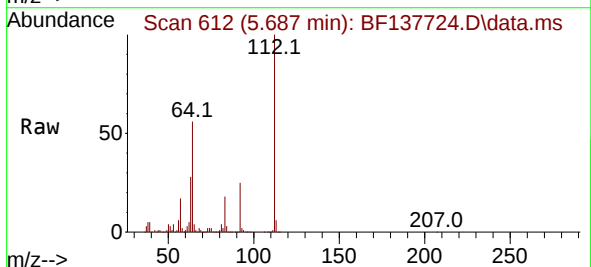
Instrument :
BNA_F
ClientSampleId :
YARD-3

Tgt Ion:152 Resp: 250068
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.4
115 58.6 50.8 76.2



#5
2-Fluorophenol
Concen: 82.714 ng
RT: 5.687 min Scan# 612
Delta R.T. 0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:112 Resp: 1361655
Ion Ratio Lower Upper
112 100
64 56.1 50.1 75.1
63 28.3 25.2 37.8

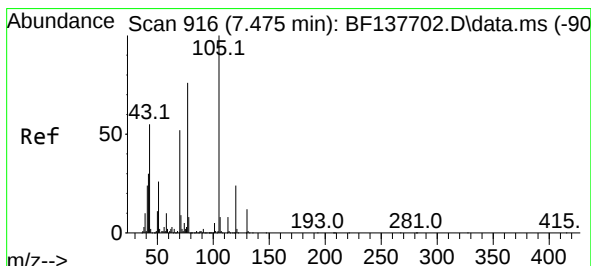
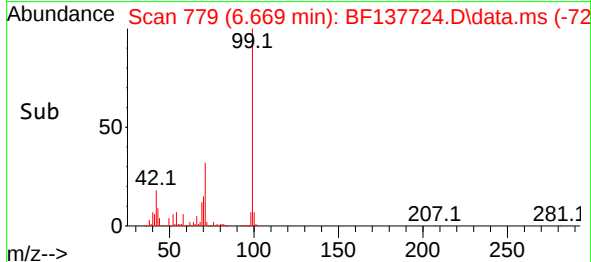
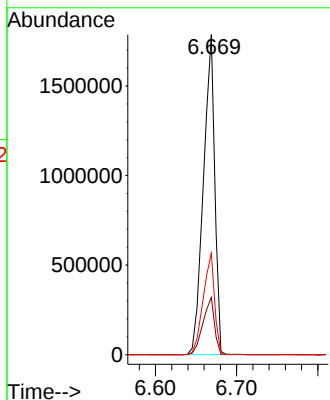
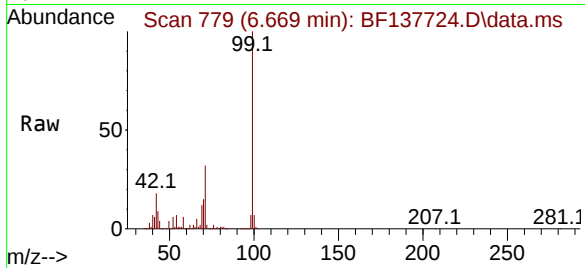




#7
Phenol-d6
Concen: 82.925 ng
RT: 6.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

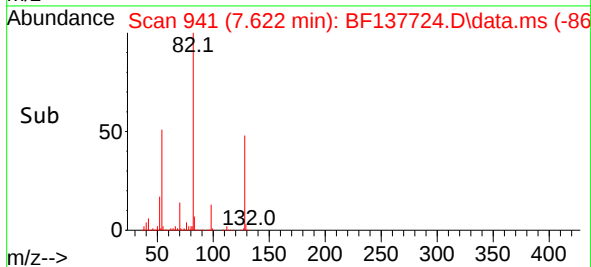
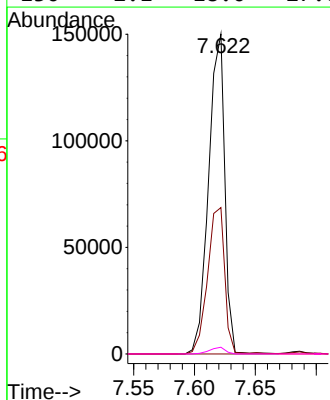
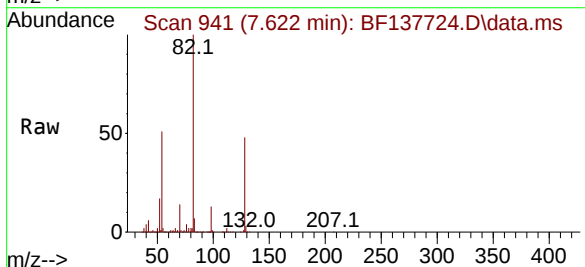
Instrument :
BNA_F
ClientSampleId :
YARD-3

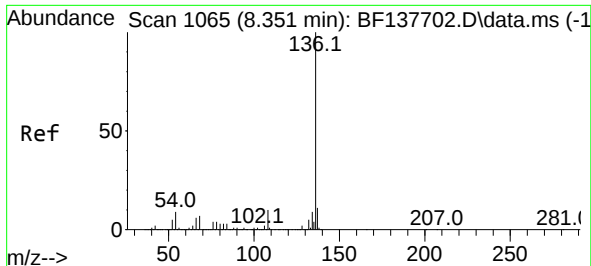
Tgt Ion: 99 Resp: 1733573
Ion Ratio Lower Upper
99 100
42 17.9 15.0 22.4
71 31.6 25.7 38.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.248 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.147 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion: 70 Resp: 138539
Ion Ratio Lower Upper
70 100
42 45.8 45.9 68.9#
101 0.0 8.0 12.0#
130 2.1 18.0 27.0#



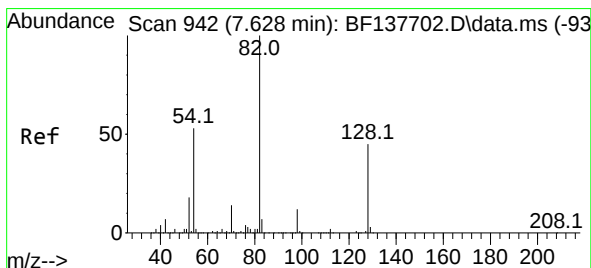
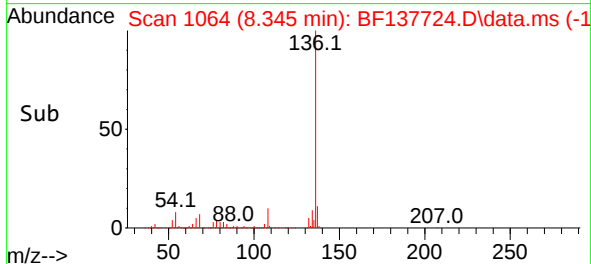
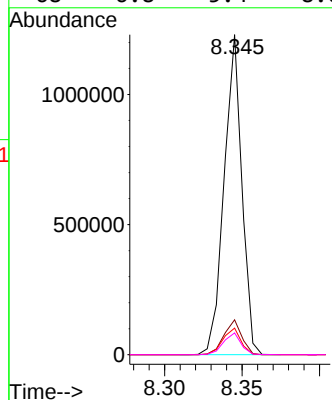
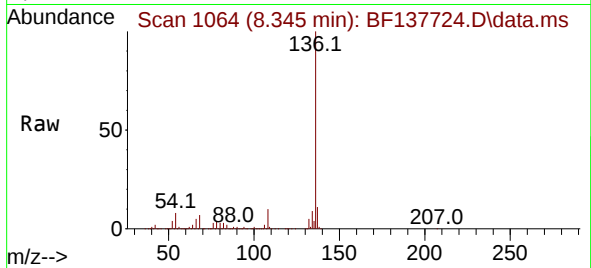


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Instrument :
BNA_F
ClientSampleId :
YARD-3

Tgt Ion:136 Resp: 978984

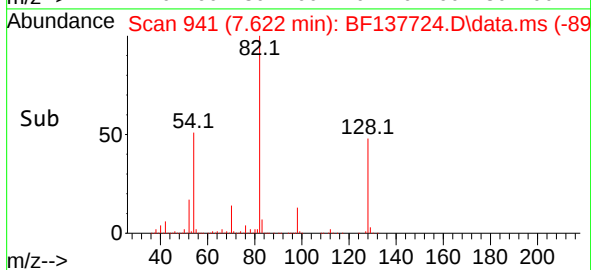
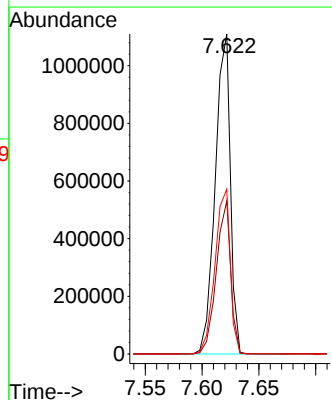
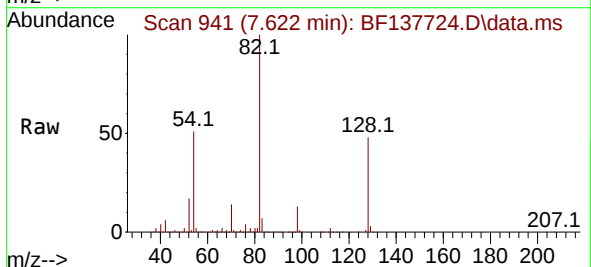
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	6.9	10.3
68	6.8	5.4	8.0

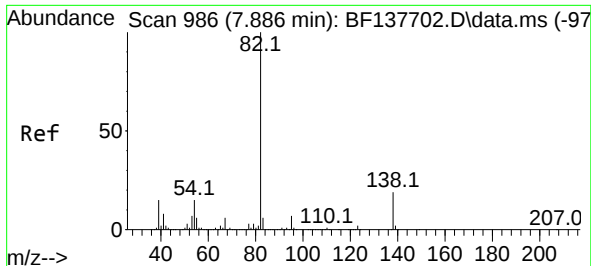


#23
Nitrobenzene-d5
Concen: 55.612 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion: 82 Resp: 1025624

Ion	Ratio	Lower	Upper
82	100		
128	47.8	35.8	53.6
54	51.5	42.5	63.7

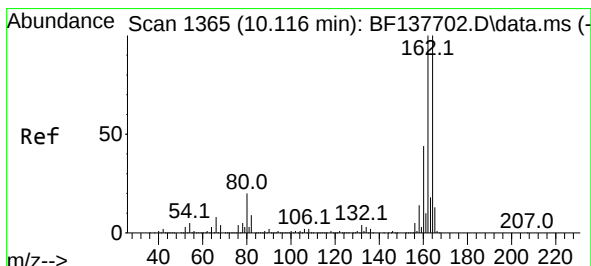
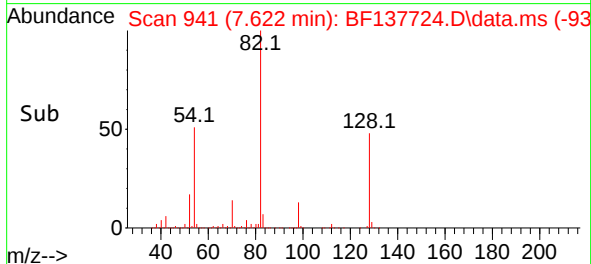
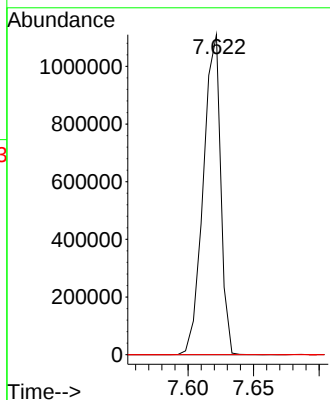
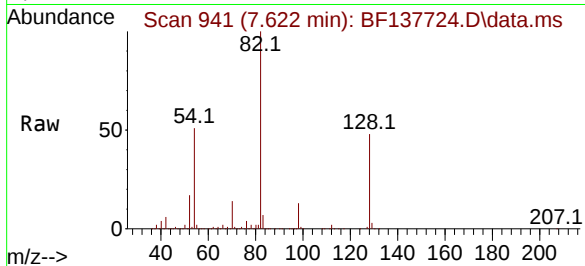




#25
Isophorone
Concen: 29.904 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.265 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

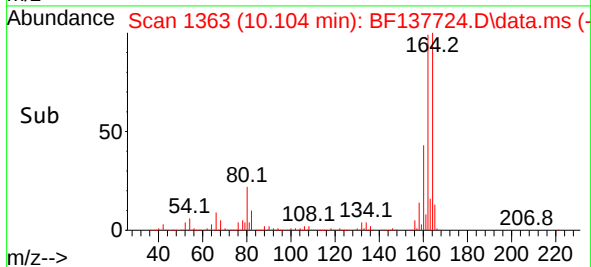
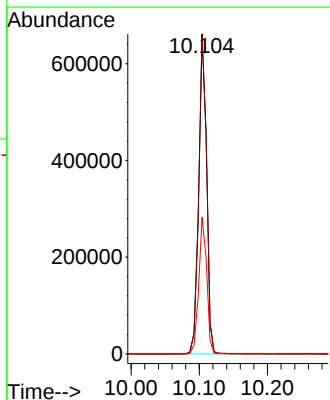
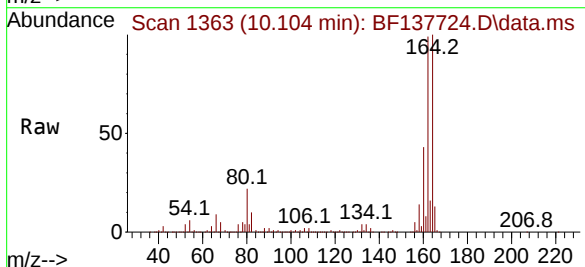
Instrument :
BNA_F
ClientSampleId :
YARD-3

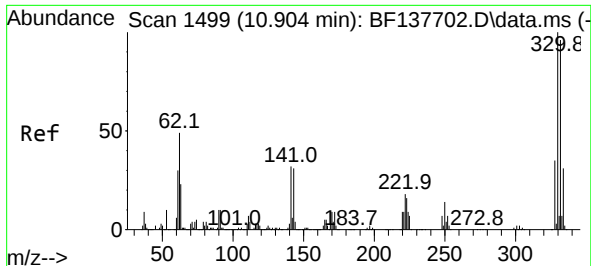
Tgt Ion: 82 Resp: 1024252
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:164 Resp: 533393
Ion Ratio Lower Upper
164 100
162 99.4 80.3 120.5
160 42.7 35.0 52.4

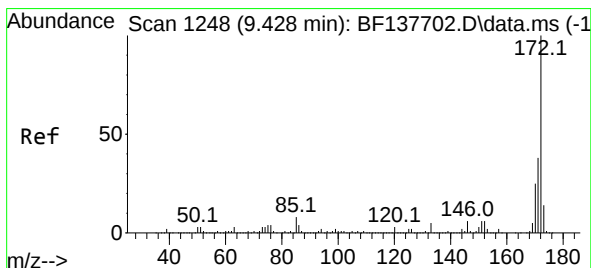
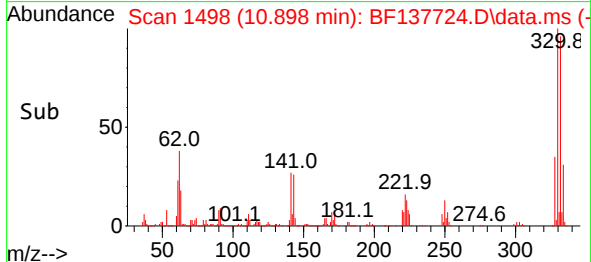
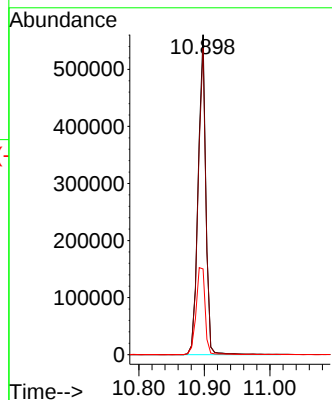
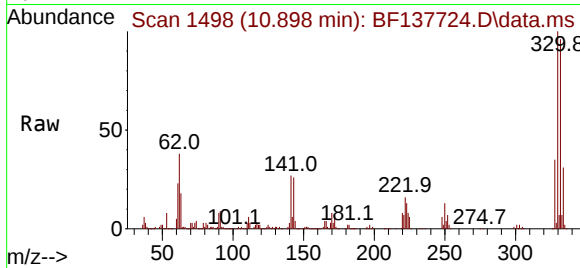




#42
2,4,6-Tribromophenol
Concen: 84.756 ng
RT: 10.898 min Scan# 1499
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

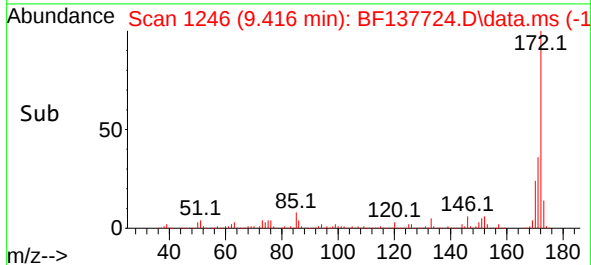
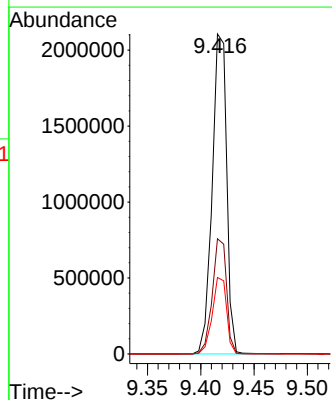
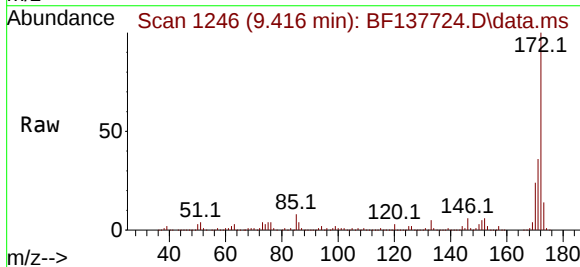
Instrument :
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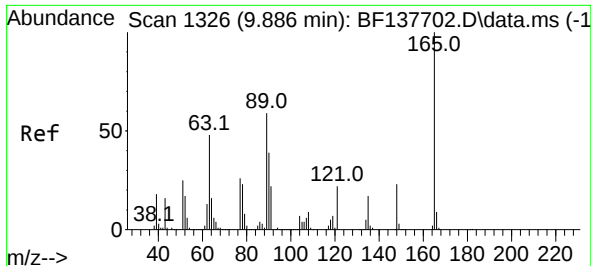
Tgt Ion:330 Resp: 456184
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 32.3 27.0 40.4



#45
2-Fluorobiphenyl
Concen: 55.961 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:172 Resp: 1997656
Ion Ratio Lower Upper
172 100
171 36.0 30.2 45.4
170 23.9 20.2 30.4

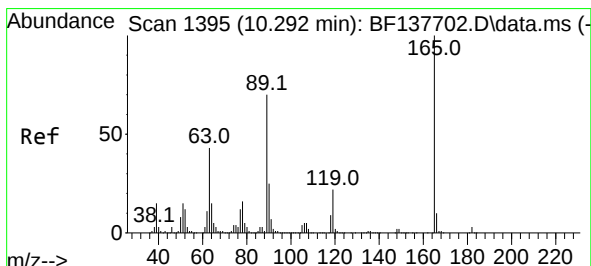
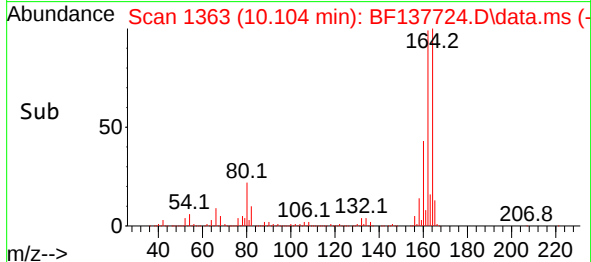
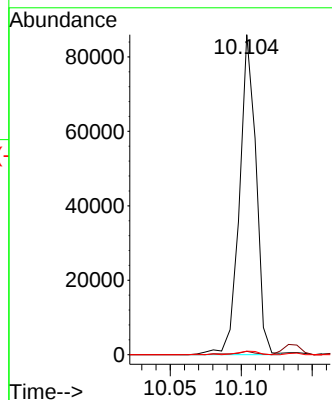
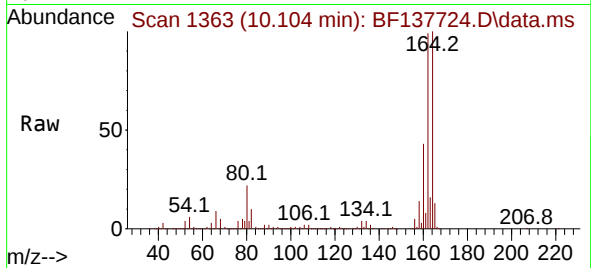




#51
2,6-Dinitrotoluene
Concen: 8.921 ng
RT: 10.104 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

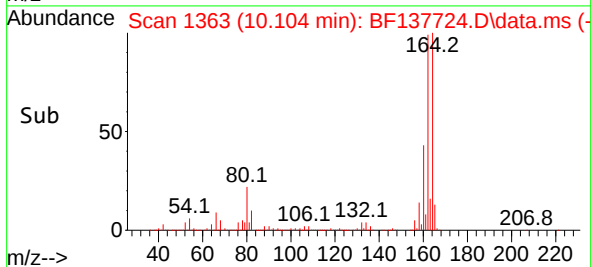
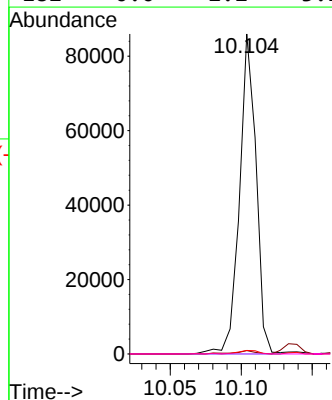
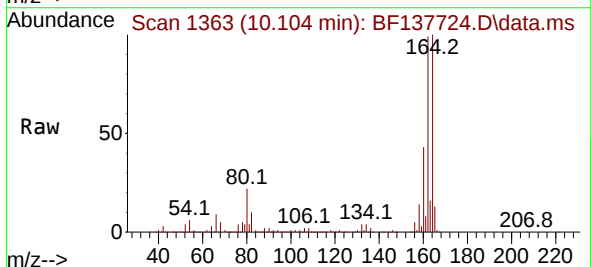
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YARD-3

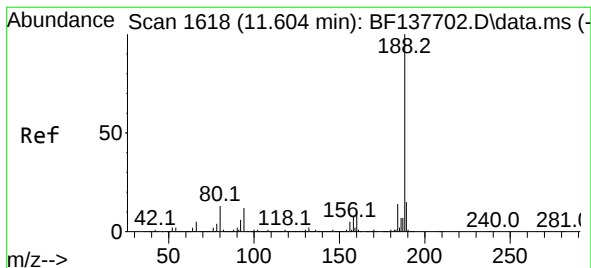
Tgt Ion:165 Resp: 69854
Ion Ratio Lower Upper
165 100
63 1.1 47.7 71.5#
89 1.1 47.3 70.9#



#57
2,4-Dinitrotoluene
Concen: 7.076 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.188 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:165 Resp: 69854
Ion Ratio Lower Upper
165 100
63 1.1 34.1 51.1#
89 1.1 56.4 84.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.598 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

Instrument :

BNA_F

ClientSampleId :

YARD-3

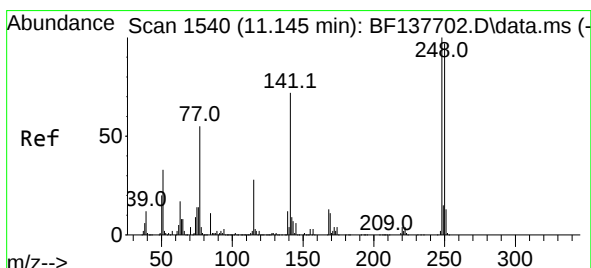
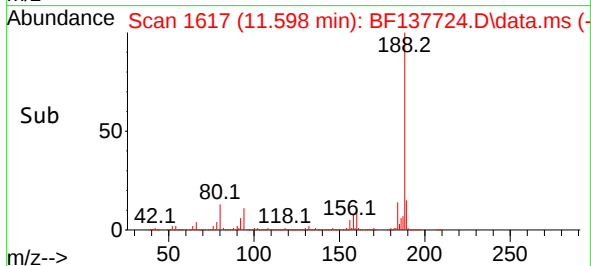
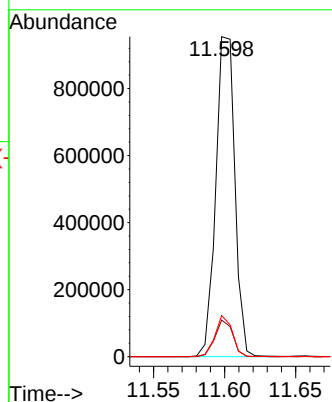
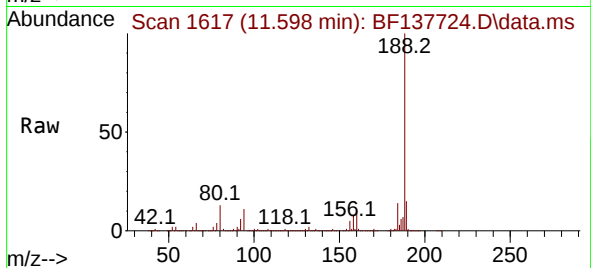
Tgt Ion:188 Resp: 891120

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

80 12.9 10.2 15.4



#67

4-Bromophenyl-phenylether

Concen: 2.827 ng

RT: 10.898 min Scan# 1498

Delta R.T. -0.247 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

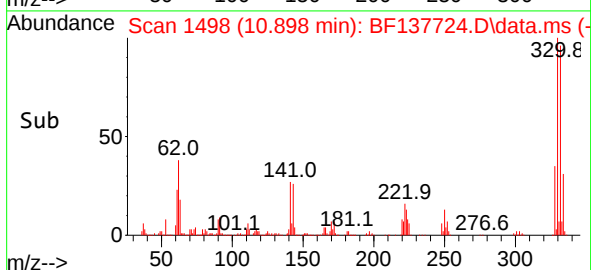
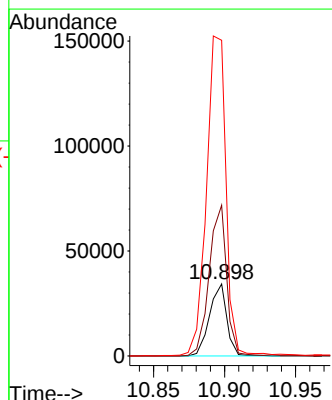
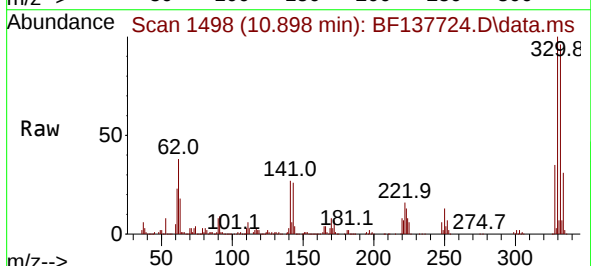
Tgt Ion:248 Resp: 29190

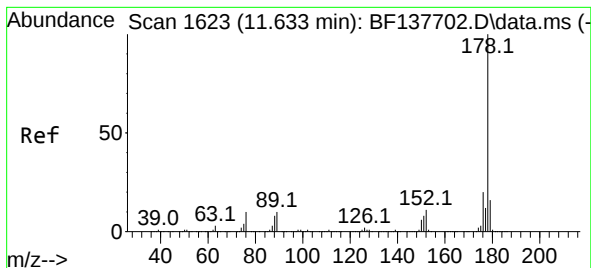
Ion Ratio Lower Upper

248 100

250 209.1 77.4 116.0#

141 438.1 57.9 86.9#





#71

Phenanthrene

Concen: 11.561 ng

RT: 11.627 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

Instrument :

BNA_F

ClientSampleId :

YARD-3

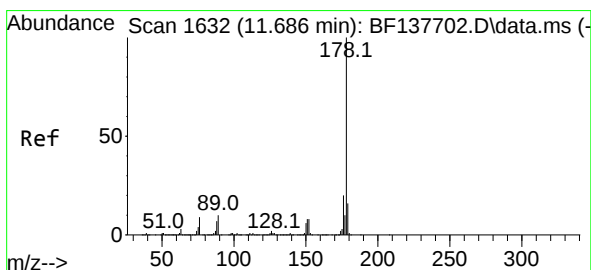
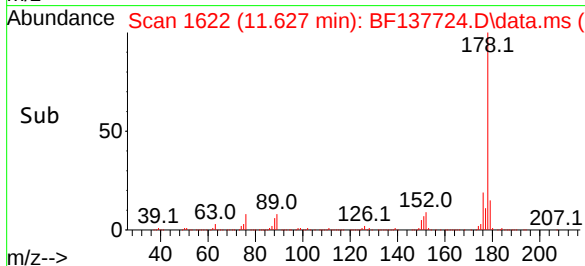
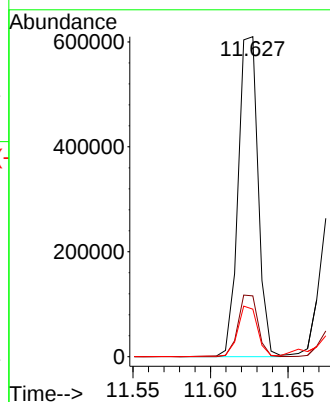
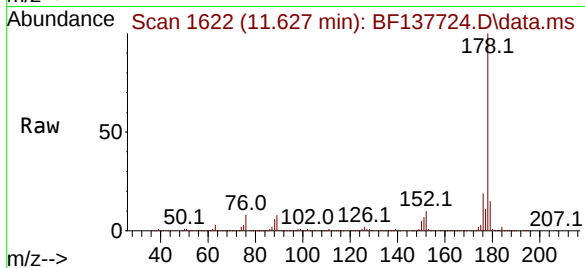
Tgt Ion:178 Resp: 545337

Ion Ratio Lower Upper

178 100

176 19.0 16.4 24.6

179 14.9 12.8 19.2



#72

Anthracene

Concen: 4.194 ng

RT: 11.674 min Scan# 1630

Delta R.T. -0.012 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

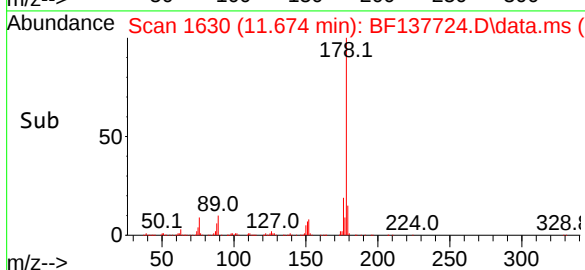
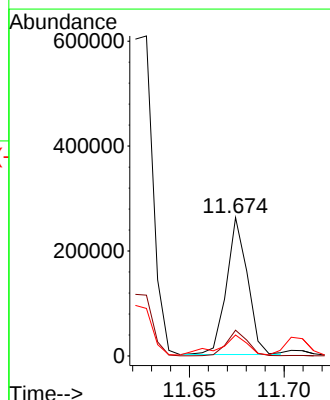
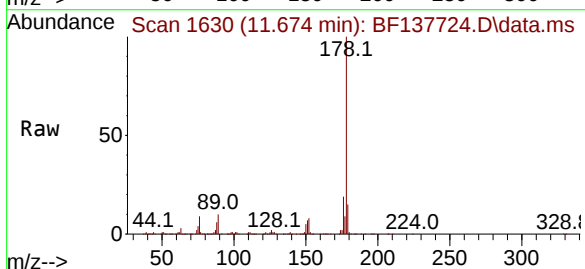
Tgt Ion:178 Resp: 202598

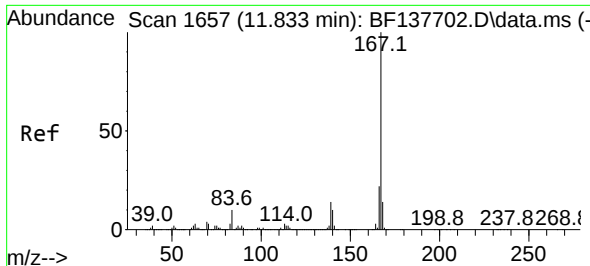
Ion Ratio Lower Upper

178 100

176 18.6 15.8 23.8

179 15.2 13.0 19.6

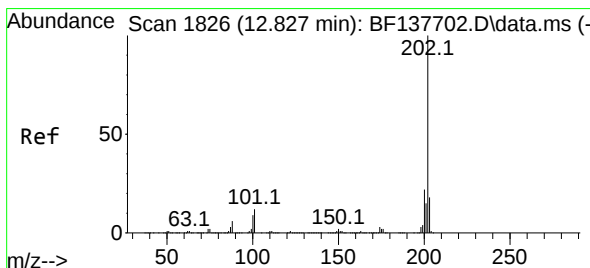
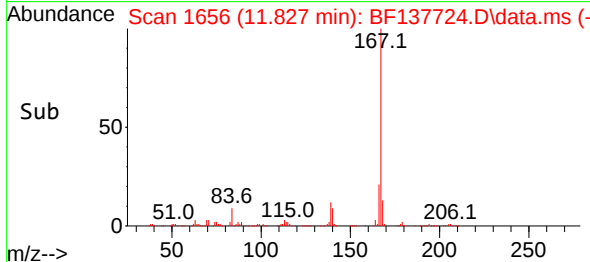
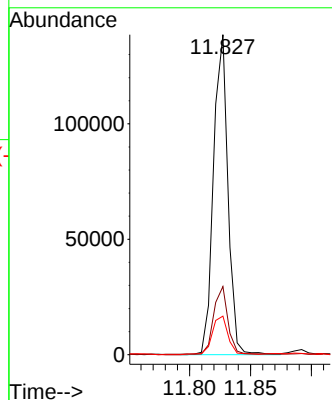
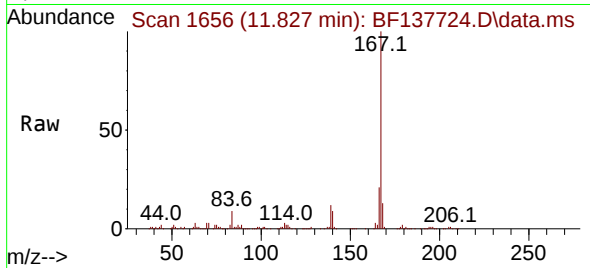




#73
 Carbazole
 Concen: 2.627 ng
 RT: 11.827 min Scan# 1656
 Delta R.T. -0.006 min
 Lab File: BF137724.D
 Acq: 24 Apr 2024 18:18

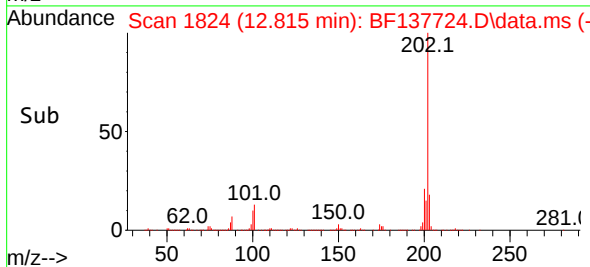
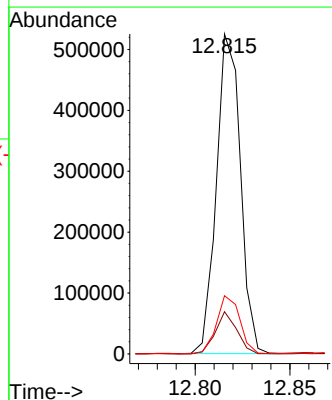
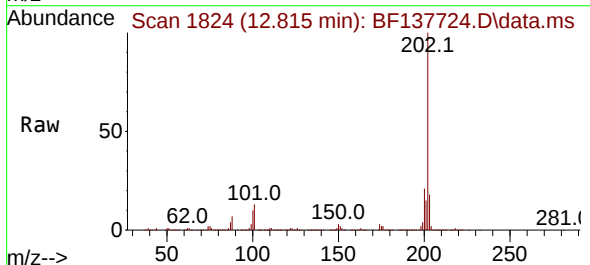
Instrument :
 BNA_F
 ClientSampleId :
 YARD-3

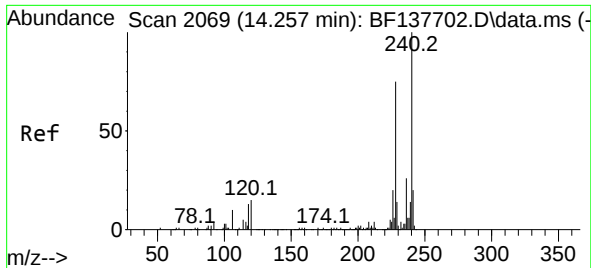
Tgt Ion:167 Resp: 115015
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 12.1 10.9 16.3



#75
 Fluoranthene
 Concen: 9.355 ng
 RT: 12.815 min Scan# 1824
 Delta R.T. -0.012 min
 Lab File: BF137724.D
 Acq: 24 Apr 2024 18:18

Tgt Ion:202 Resp: 463856
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 32.2
 203 18.2 0.0 38.1

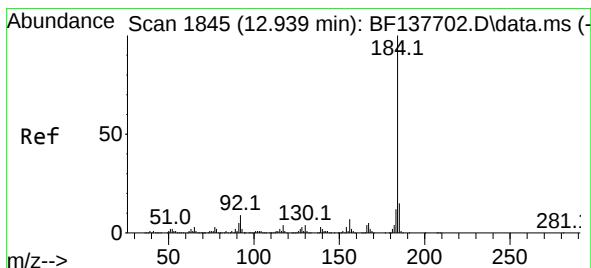
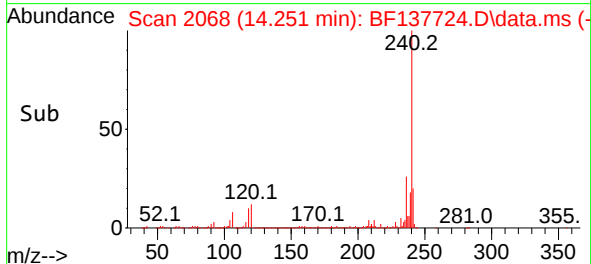
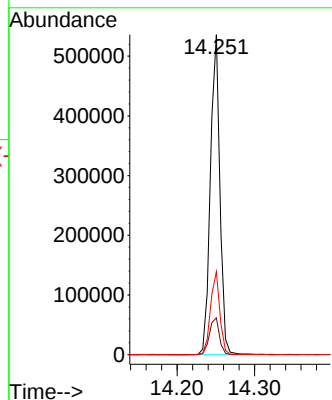
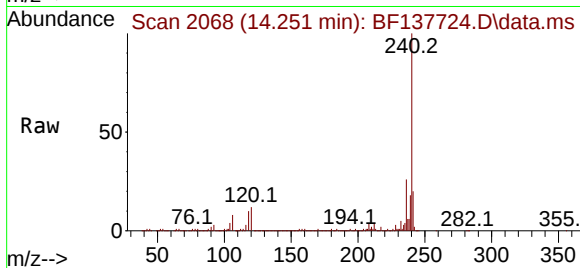




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.251 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

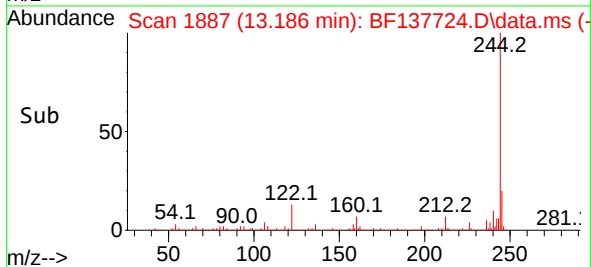
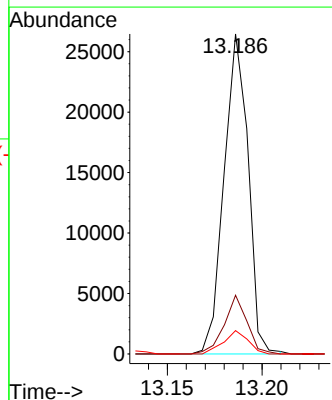
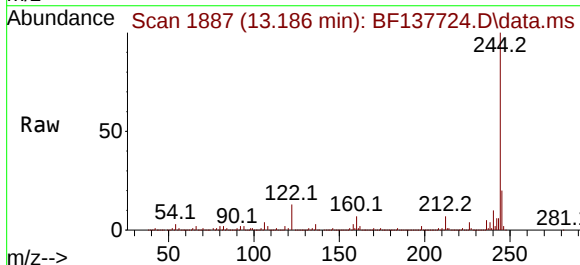
Instrument :
BNA_F
ClientSampleId :
YARD-3

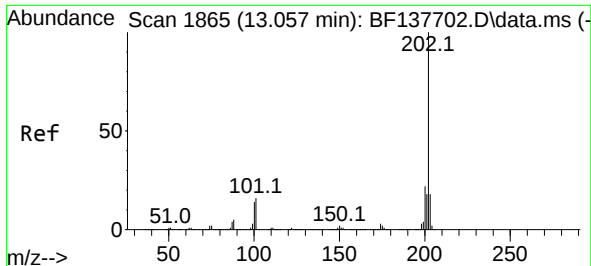
Tgt Ion:240 Resp: 455618
Ion Ratio Lower Upper
240 100
120 11.5 11.9 17.9#
236 25.9 20.8 31.2



#77
Benzidine
Concen: 2.196 ng
RT: 13.186 min Scan# 1887
Delta R.T. 0.247 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:184 Resp: 23366
Ion Ratio Lower Upper
184 100
185 18.3 12.2 18.4
183 7.3 9.4 14.0#

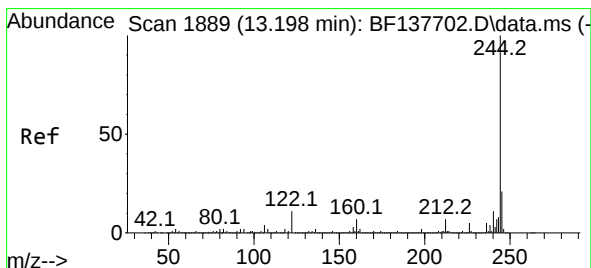
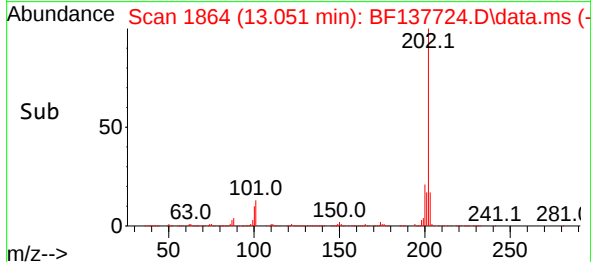
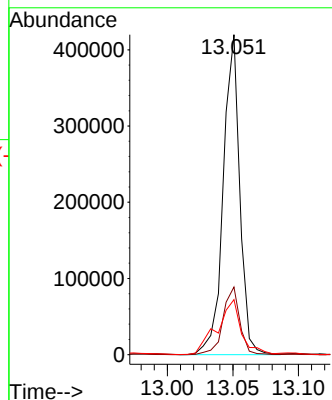
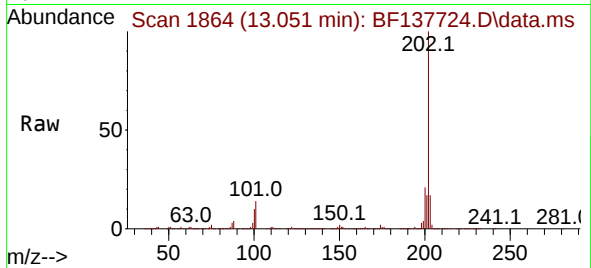




#78
Pyrene
Concen: 9.831 ng
RT: 13.051 min Scan# 1865
Delta R.T. -0.006 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

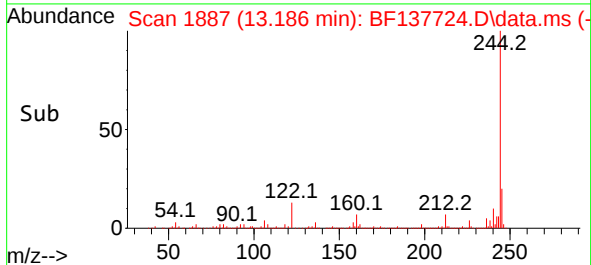
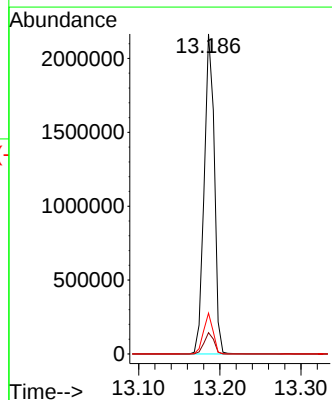
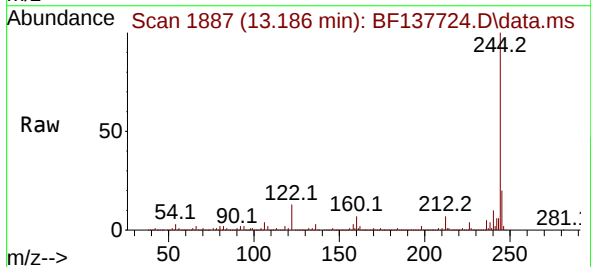
Instrument :
BNA_F
ClientSampleId :
YARD-3

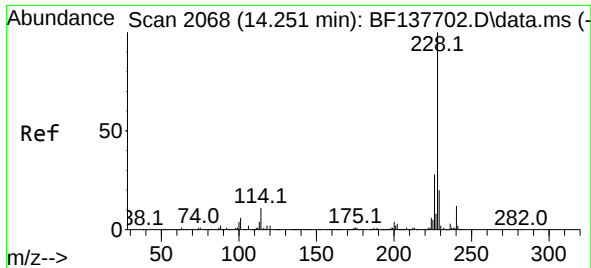
Tgt Ion:202 Resp: 367637
Ion Ratio Lower Upper
202 100
200 21.2 17.8 26.6
203 17.2 14.6 21.8



#79
Terphenyl-d14
Concen: 66.331 ng
RT: 13.186 min Scan# 1887
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:244 Resp: 1877618
Ion Ratio Lower Upper
244 100
212 6.7 5.5 8.3
122 12.8 8.8 13.2

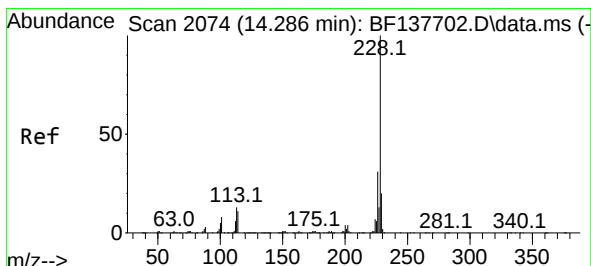
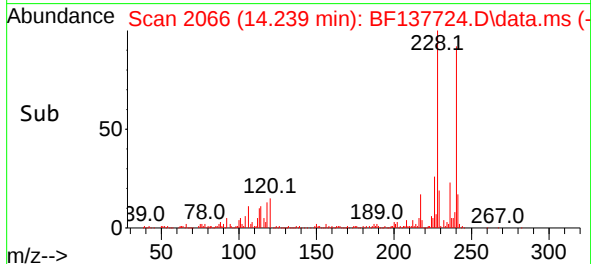
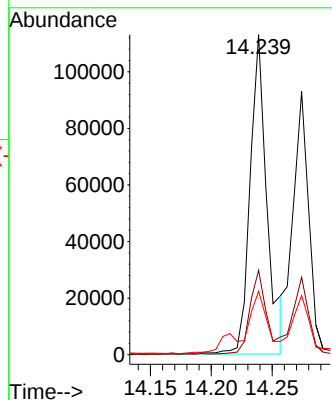
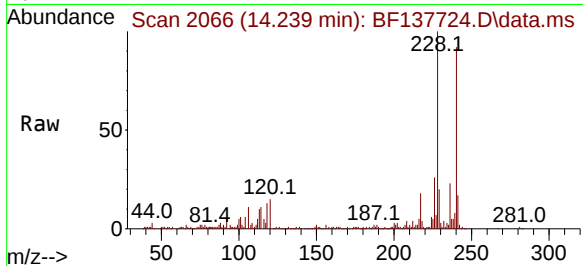




#81
Benzo(a)anthracene
Concen: 3.419 ng
RT: 14.239 min Scan# 2066
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

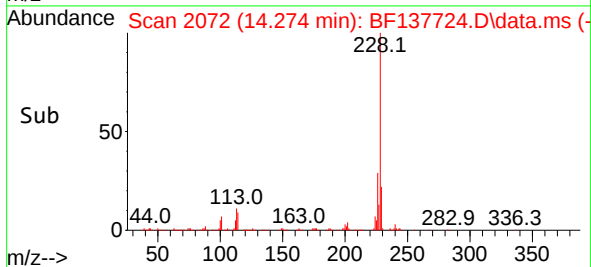
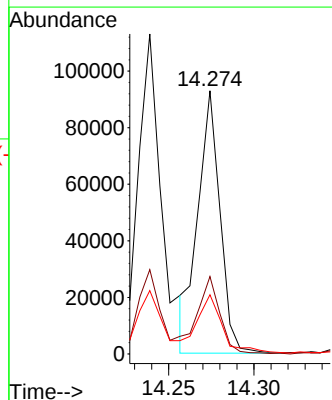
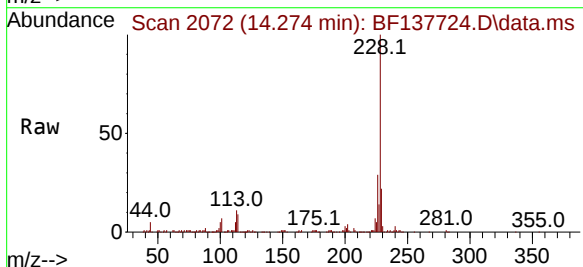
Instrument :
BNA_F
ClientSampleId :
YARD-3

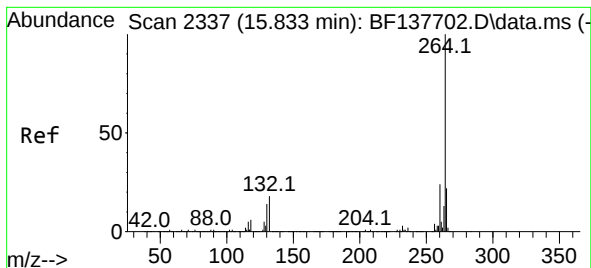
Tgt Ion:228 Resp: 108662
Ion Ratio Lower Upper
228 100
226 26.4 22.7 34.1
229 19.8 16.0 24.0



#83
Chrysene
Concen: 2.829 ng
RT: 14.274 min Scan# 2072
Delta R.T. -0.012 min
Lab File: BF137724.D
Acq: 24 Apr 2024 18:18

Tgt Ion:228 Resp: 84011
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.5 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.821 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

Instrument :

BNA_F

ClientSampleId :

YARD-3

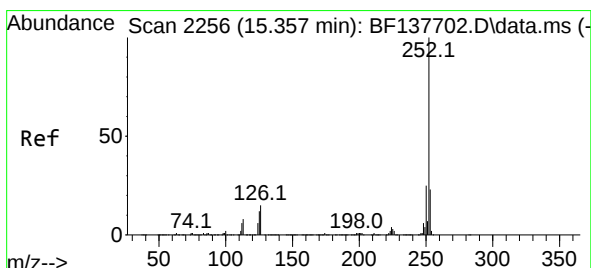
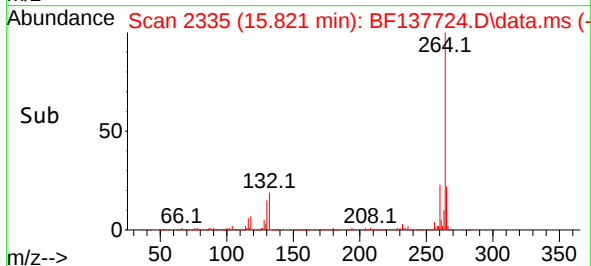
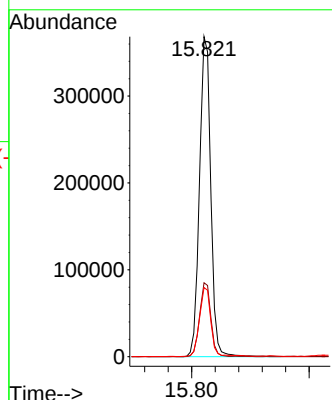
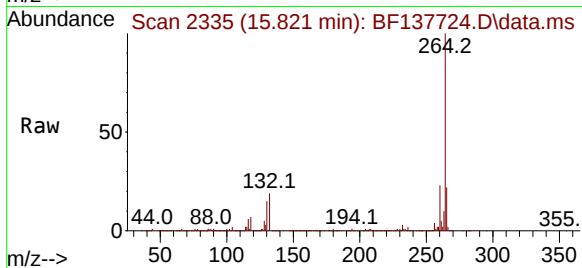
Tgt Ion:264 Resp: 489434

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.2

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.876 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.012 min

Lab File: BF137724.D

Acq: 24 Apr 2024 18:18

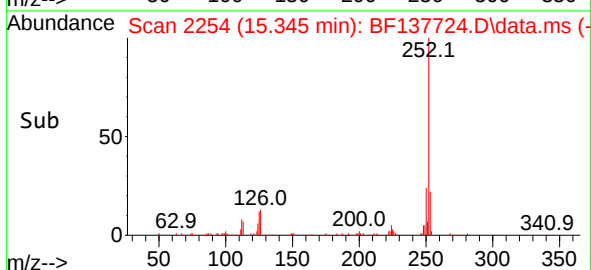
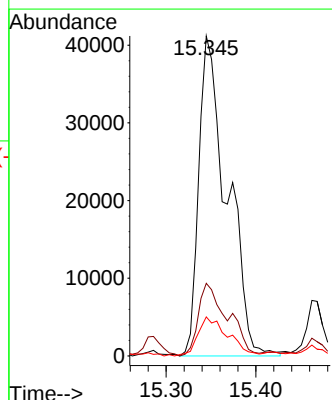
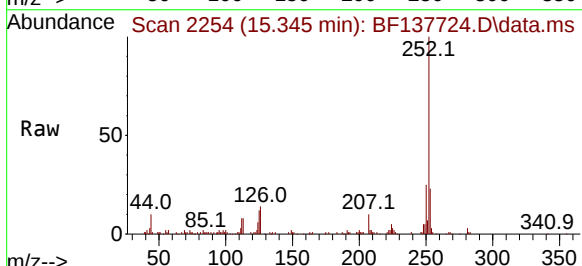
Tgt Ion:252 Resp: 90081

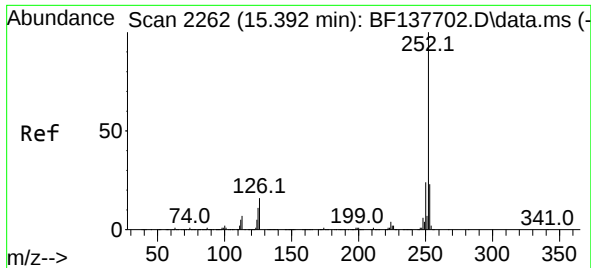
Ion Ratio Lower Upper

252 100

253 22.7 18.1 27.1

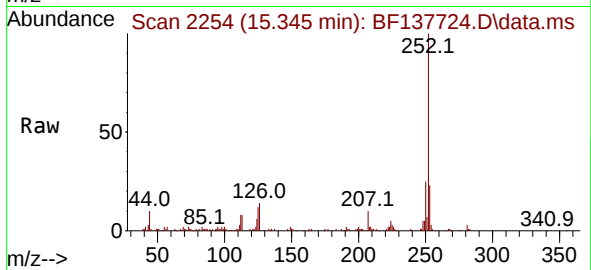
125 12.2 9.2 13.8





#89
 Benzo(k)fluoranthene
 Concen: 2.926 ng
 RT: 15.345 min Scan# 21
 Delta R.T. -0.047 min
 Lab File: BF137724.D
 Acq: 24 Apr 2024 18:18

Instrument :
 BNA_F
 ClientSampleId :
 YARD-3



Tgt Ion:252 Resp: 90081
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.0 27.0
 125 12.2 9.0 13.6

