

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031524\
 Data File : BF137616.D
 Acq On : 15 Mar 2024 18:37
 Operator : CG\JU
 Sample : P1771-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Mar 15 23:23:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

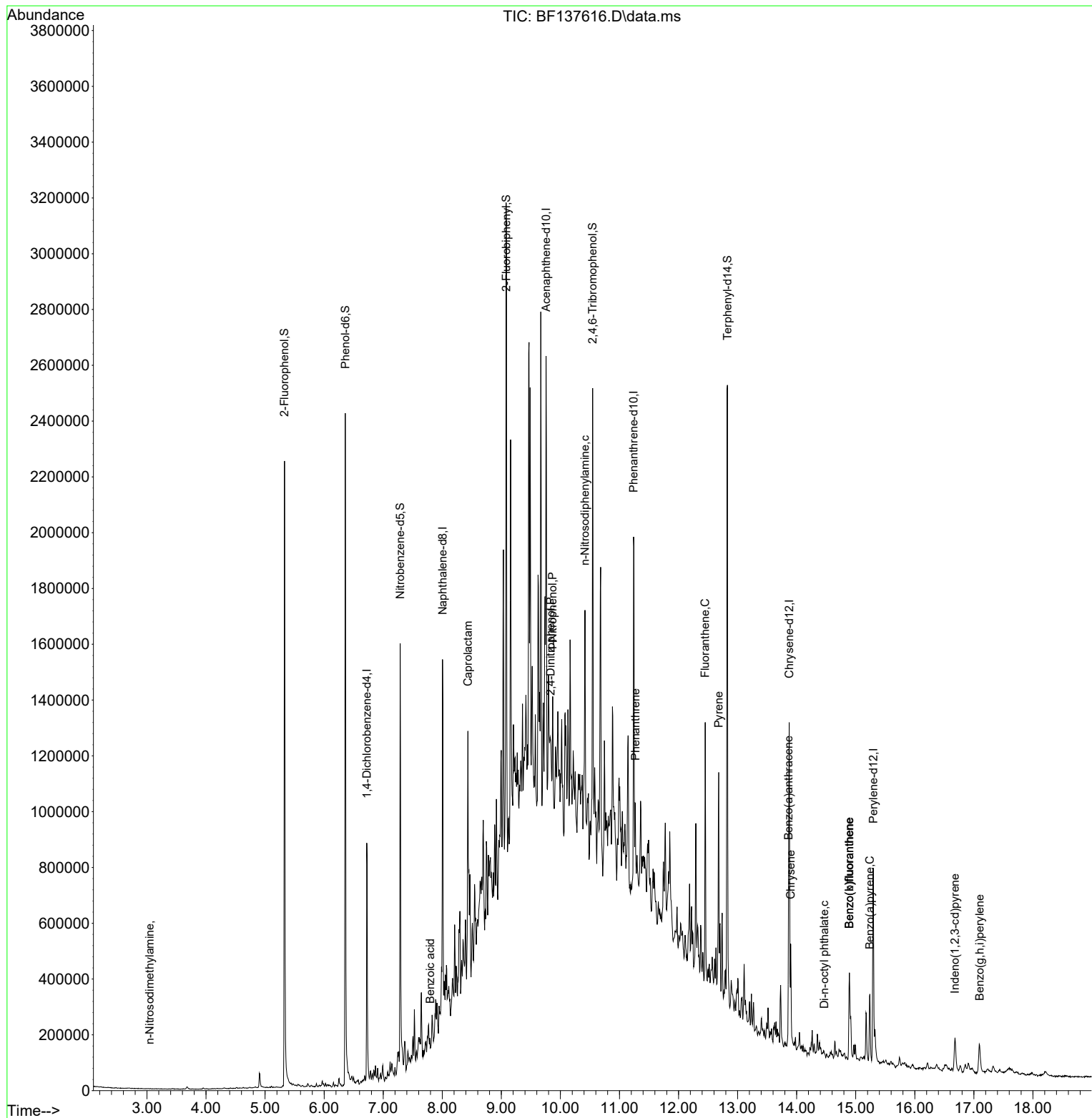
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	135768	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	526616	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	284761	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	505611	20.000	ng	0.00
76) Chrysene-d12	13.874	240	330817	20.000	ng	0.00
86) Perylene-d12	15.298	264	323905	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	636117	70.961	ng	0.00
7) Phenol-d6	6.357	99	881825	68.149	ng	-0.01
23) Nitrobenzene-d5	7.287	82	490180	43.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	182135	72.834	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	756548	41.588	ng	0.00
79) Terphenyl-d14	12.827	244	836715	34.780	ng	0.00
Target Compounds						
4) n-Nitrosodimethylamine	3.046	42	80	3.824	ng	# 1
32) Benzoic acid	7.798	122	3264	6.882	ng	# 49
35) Caprolactam	8.434	113	17104	6.507	ng	# 22
54) 2,4-Dinitrophenol	9.834	184	170	8.300	ng	# 1
56) 4-Nitrophenol	9.869	139	6537	6.503	ng	# 1
66) n-Nitrosodiphenylamine	10.416	169	61796	3.796	ng	# 41
71) Phenanthrene	11.269	178	116114	4.220	ng	# 94
75) Fluoranthene	12.451	202	323181	12.016	ng	98
78) Pyrene	12.680	202	334842	10.315	ng	98
81) Benzo(a)anthracene	13.863	228	158935	6.855	ng	98
83) Chrysene	13.898	228	145064	6.190	ng	97
85) Di-n-octyl phthalate	14.469	149	1052	5.653	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.680	276	77422	3.632	ng	93
88) Benzo(b)fluoranthene	14.892	252	226735	11.834	ng	99
89) Benzo(k)fluoranthene	14.892	252	226735	11.017	ng	98
90) Benzo(a)pyrene	15.239	252	122358	6.480	ng	99
92) Benzo(g,h,i)perylene	17.098	276	81571	4.594	ng	95

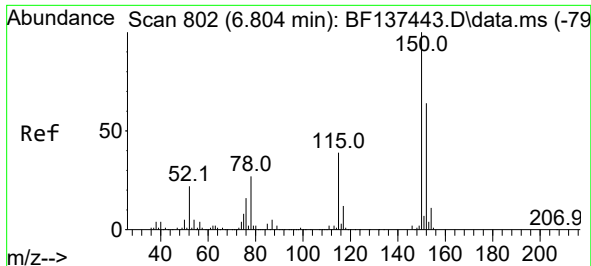
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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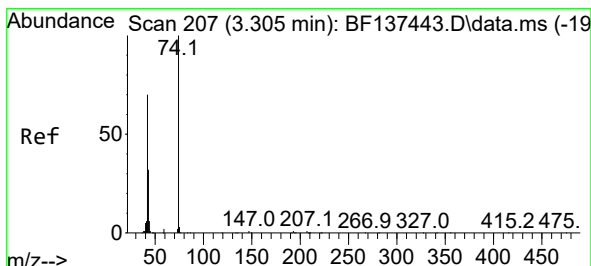
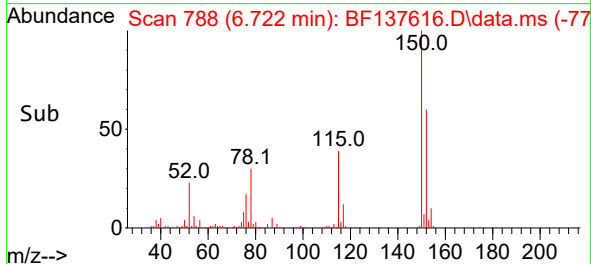
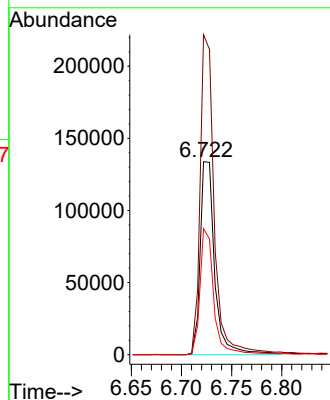
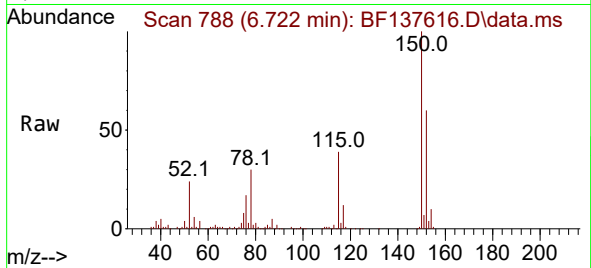




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

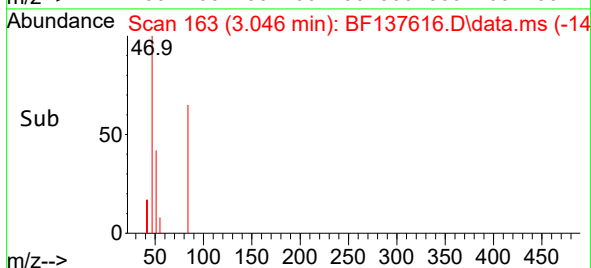
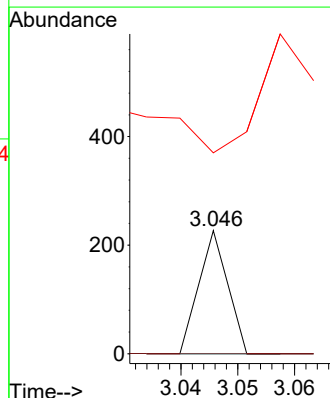
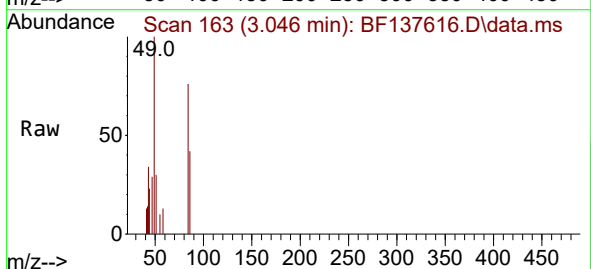
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BNA_F
ClientSampleId :
COMP-1

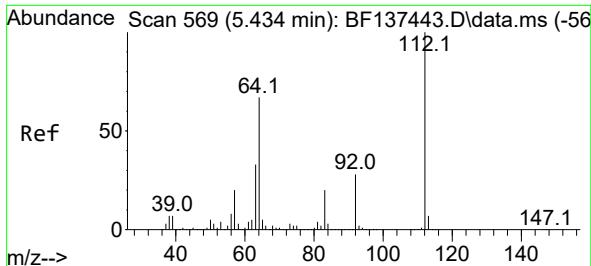
Tgt Ion:152 Resp: 135768
Ion Ratio Lower Upper
152 100
150 165.8 125.8 188.6
115 65.2 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.824 ng
RT: 3.046 min Scan# 163
Delta R.T. 0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion: 42 Resp: 80
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 163.0 7.0 10.4#

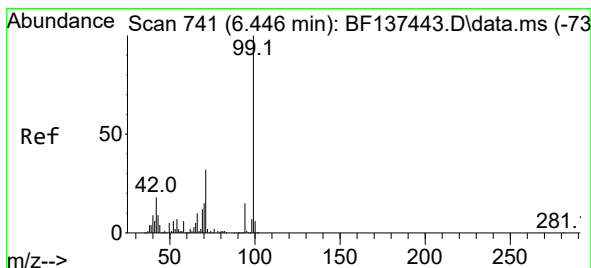
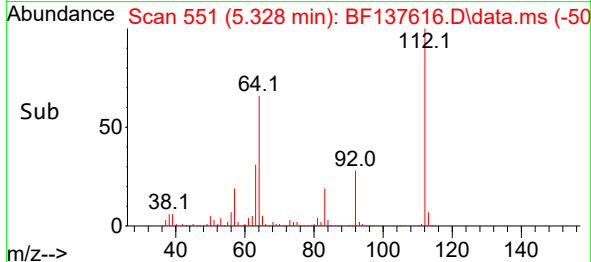
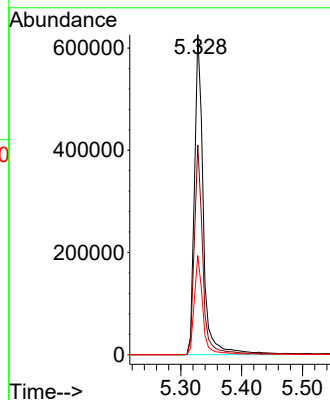
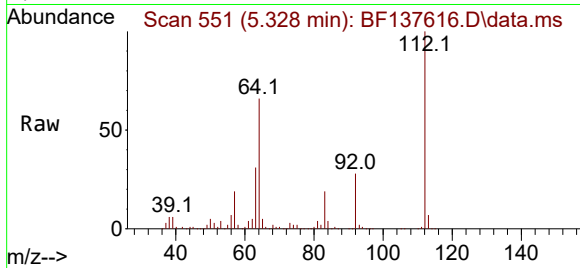




#5
2-Fluorophenol
Concen: 70.961 ng
RT: 5.328 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

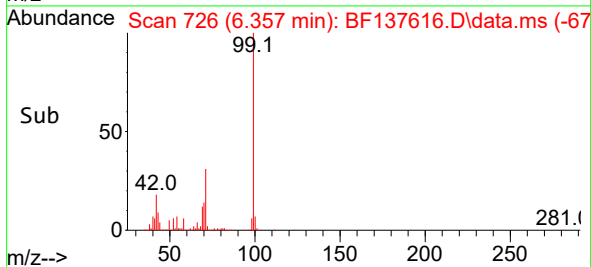
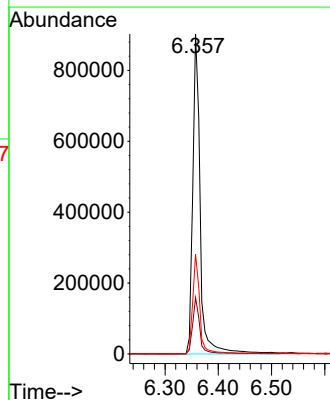
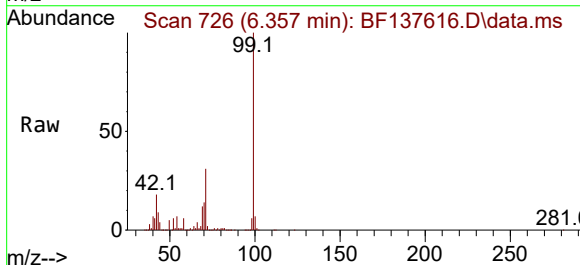
Instrument :
BNA_F
ClientSampleId :
COMP-1

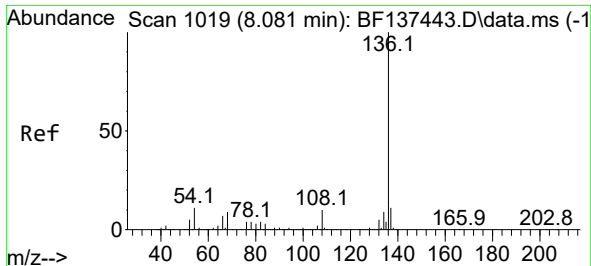
Tgt Ion:112 Resp: 636117
Ion Ratio Lower Upper
112 100
64 65.5 53.4 80.2
63 31.0 26.2 39.2



#7
Phenol-d6
Concen: 68.149 ng
RT: 6.357 min Scan# 726
Delta R.T. -0.012 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion: 99 Resp: 881825
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.2 25.3 37.9

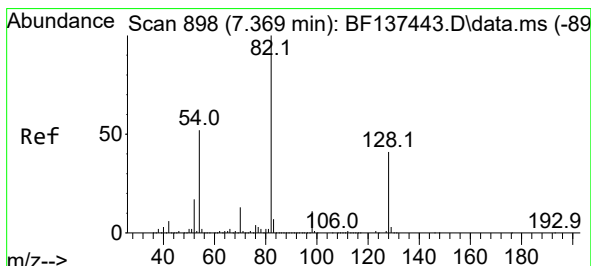
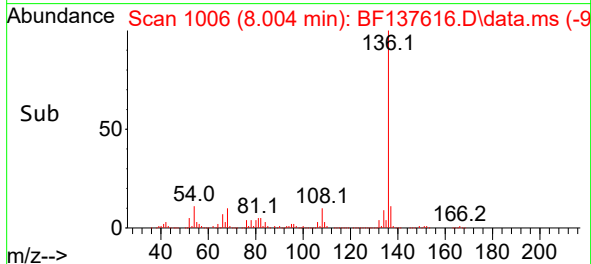
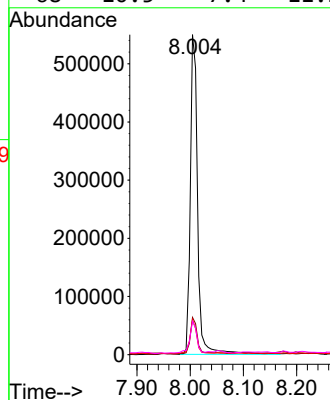
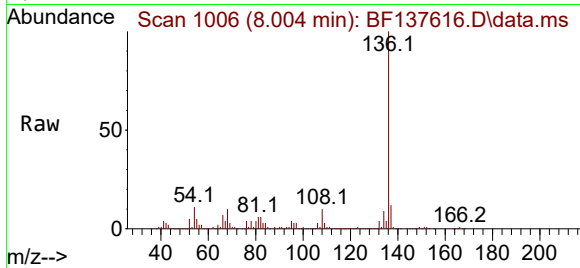




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

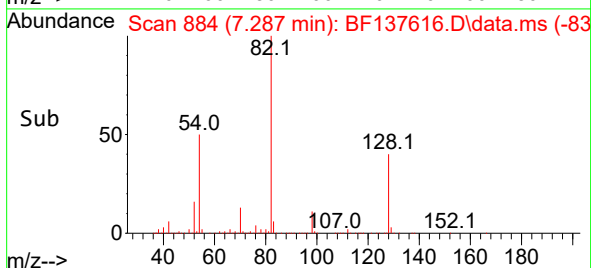
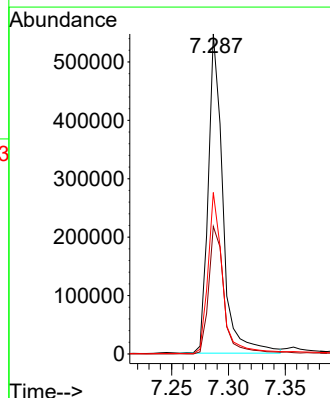
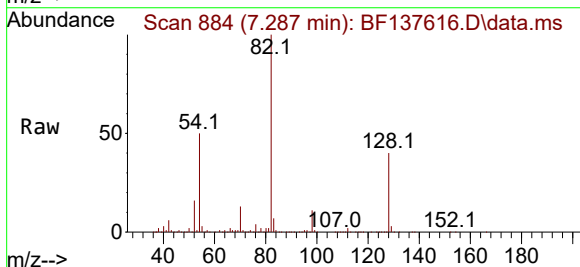
Instrument :
BNA_F
ClientSampleId :
COMP-1

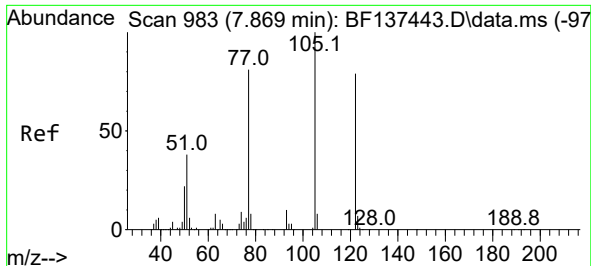
Tgt Ion:136 Resp: 526616
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 11.0 8.5 12.7
68 10.5 7.4 11.2



#23
Nitrobenzene-d5
Concen: 43.249 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion: 82 Resp: 490180
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 50.4 41.5 62.3

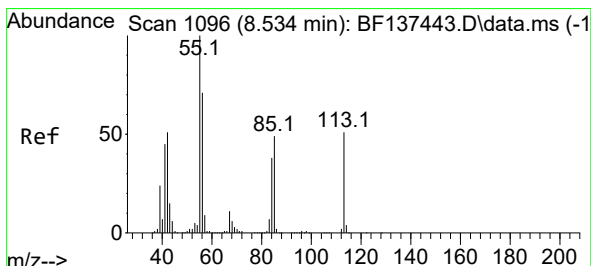
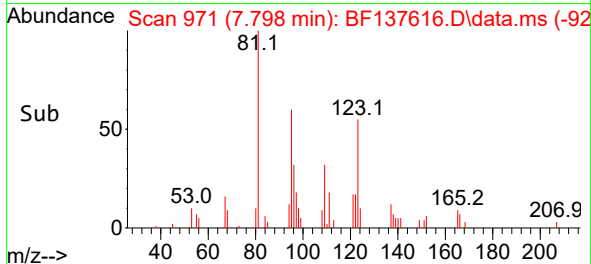
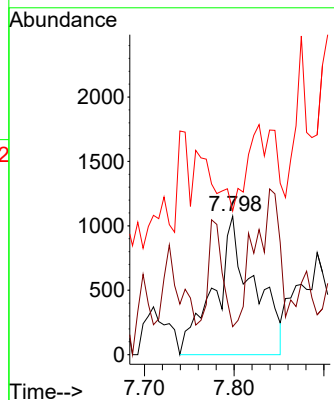
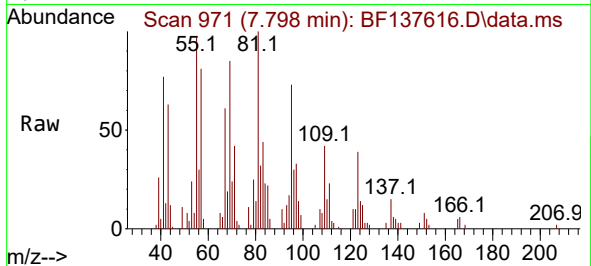




#32
Benzoic acid
Concen: 6.882 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

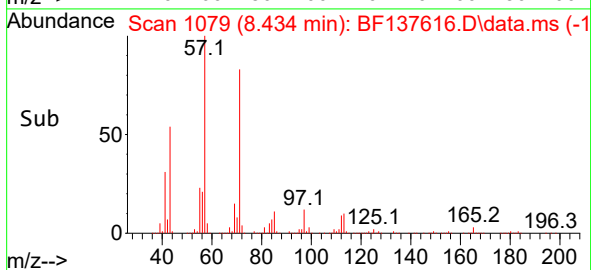
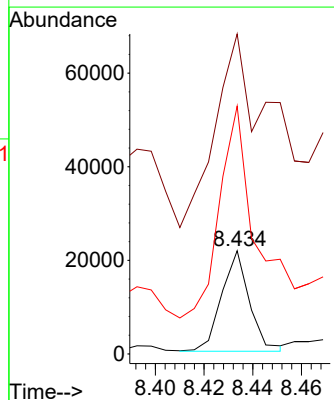
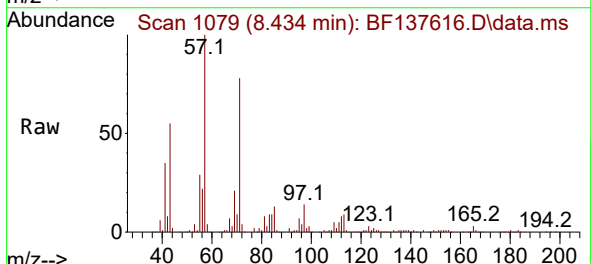
Instrument :
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ClientSampleId :
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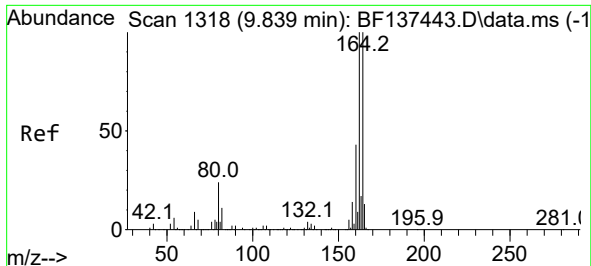
Tgt Ion:122 Resp: 3264
Ion Ratio Lower Upper
122 100
105 20.2 102.4 142.4#
77 103.7 81.1 121.1



#35
Caprolactam
Concen: 6.507 ng
RT: 8.434 min Scan# 1079
Delta R.T. -0.024 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:113 Resp: 17104
Ion Ratio Lower Upper
113 100
55 310.0 176.7 216.7#
56 240.2 120.6 160.6#

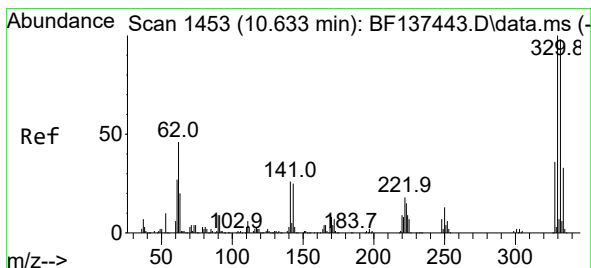
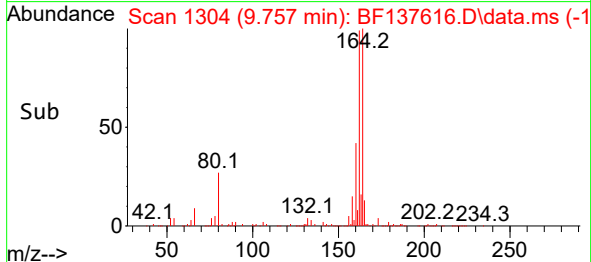
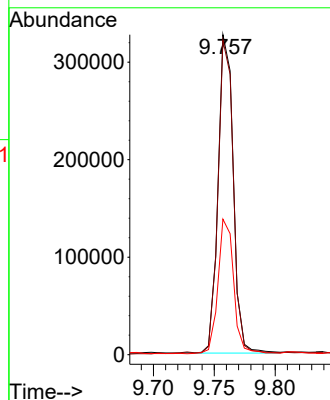
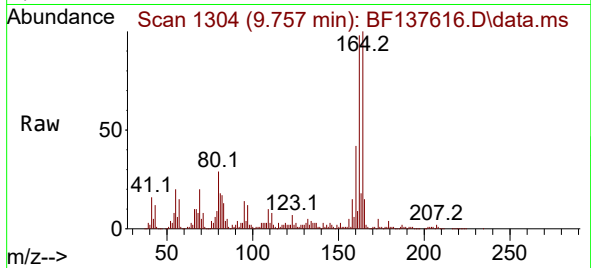




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

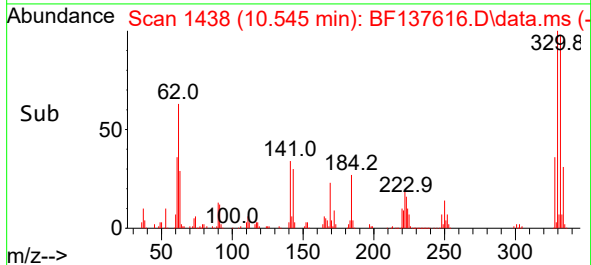
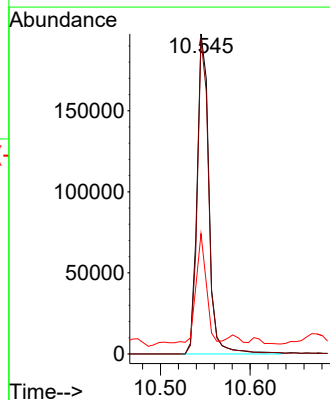
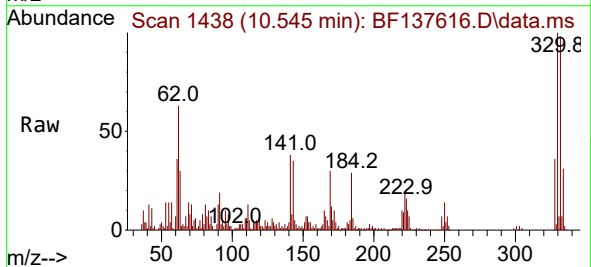
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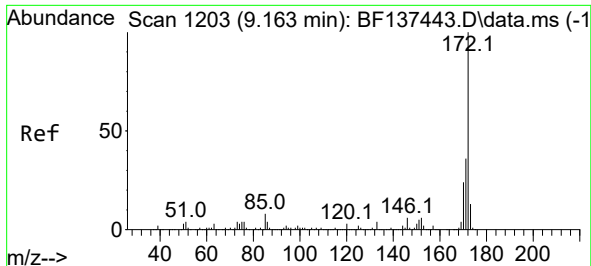
Tgt Ion:164 Resp: 284761
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 42.4 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 72.834 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:330 Resp: 182135
Ion Ratio Lower Upper
330 100
332 95.4 78.0 117.0
141 29.0 27.3 40.9





#45

2-Fluorobiphenyl

Concen: 41.588 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

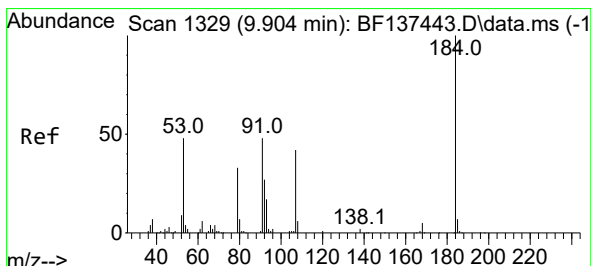
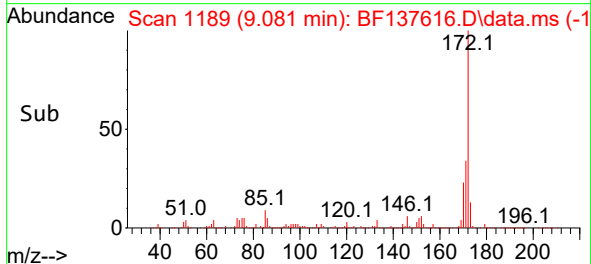
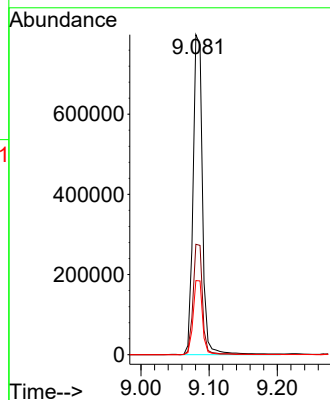
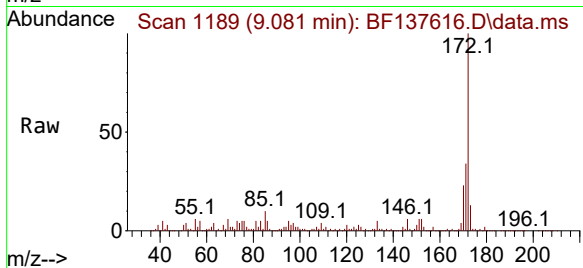
Tgt Ion:172 Resp: 756548

Ion Ratio Lower Upper

172 100

171 34.5 28.5 42.7

170 23.2 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 8.300 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

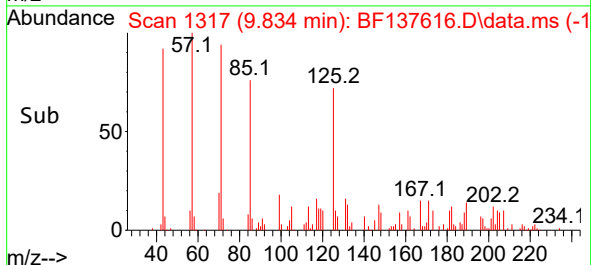
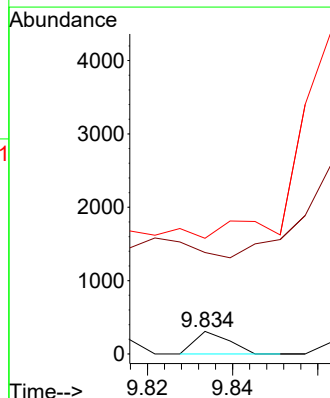
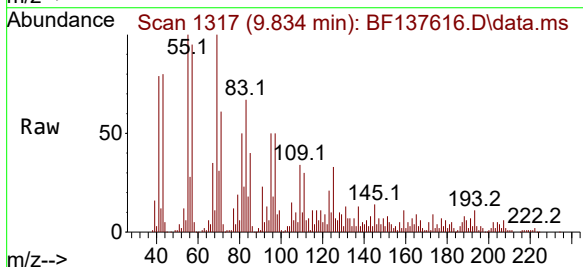
Tgt Ion:184 Resp: 170

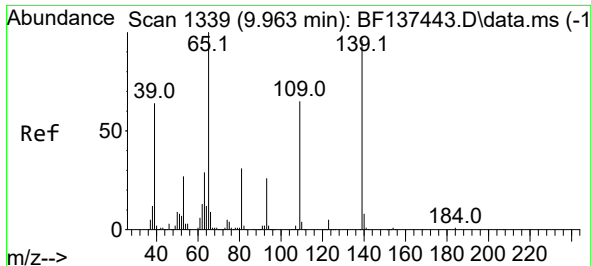
Ion Ratio Lower Upper

184 100

63 450.5 53.3 79.9#

154 513.7 47.4 71.0#





#56

4-Nitrophenol

Concen: 6.503 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

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ClientSampleId :

COMP-1

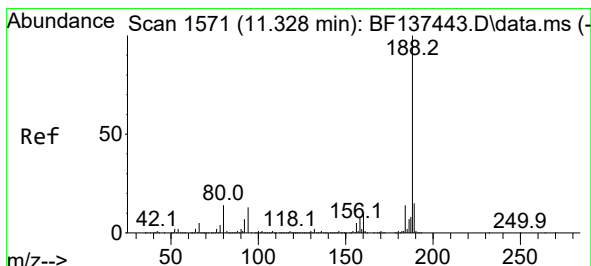
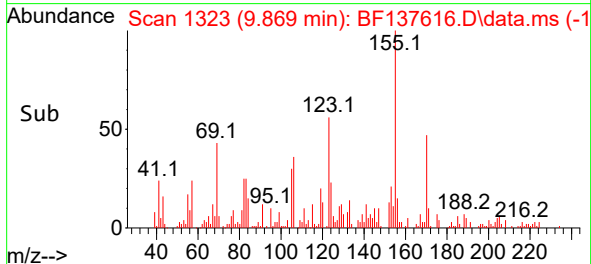
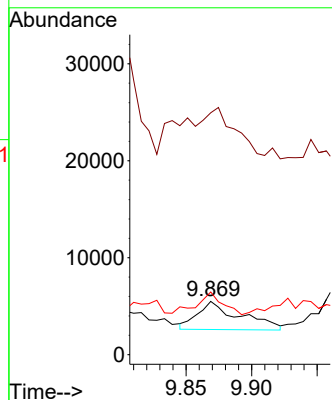
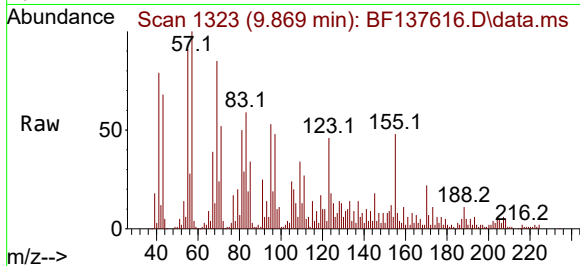
Tgt Ion:139 Resp: 6537

Ion Ratio Lower Upper

139 100

109 453.6 47.1 87.1#

65 117.6 85.1 125.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.000 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

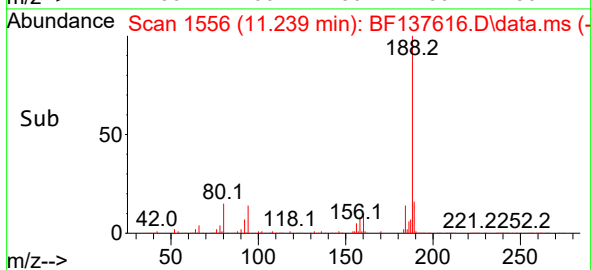
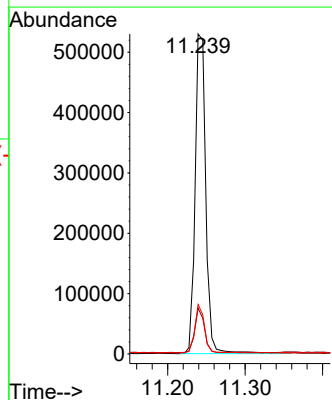
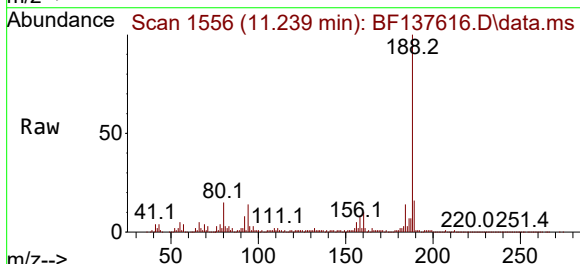
Tgt Ion:188 Resp: 505611

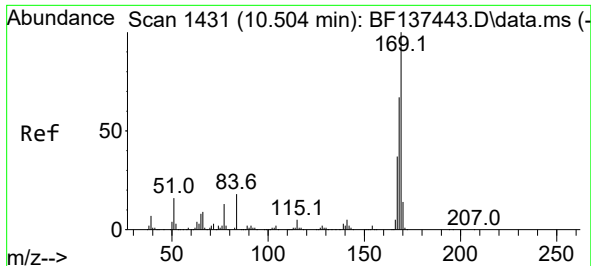
Ion Ratio Lower Upper

188 100

94 14.3 10.6 15.8

80 15.4 11.5 17.3

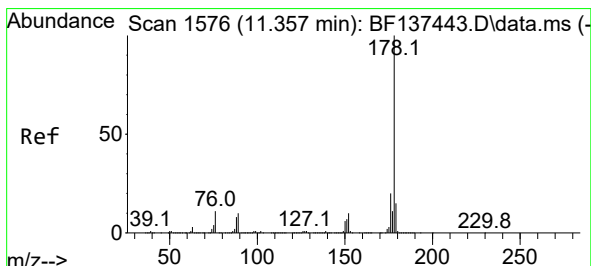
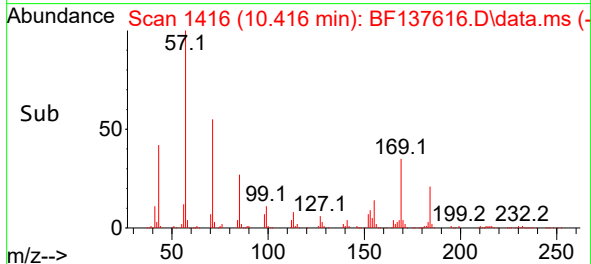
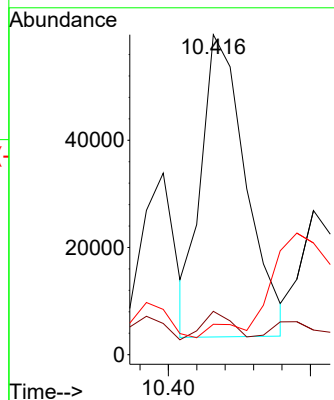
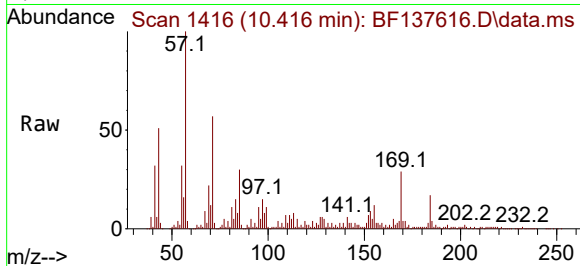




#66
n-Nitrosodiphenylamine
Concen: 3.796 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

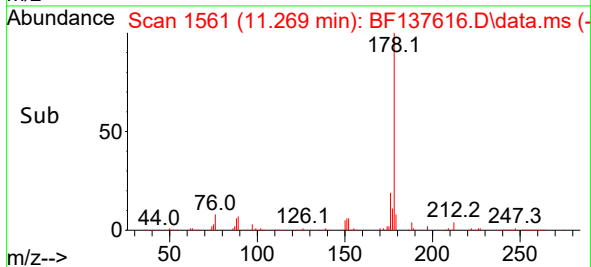
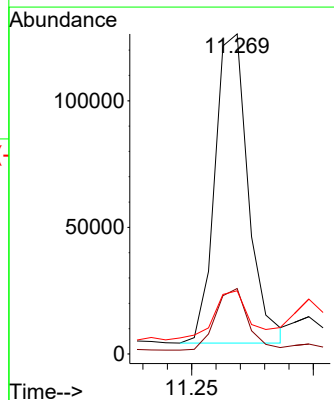
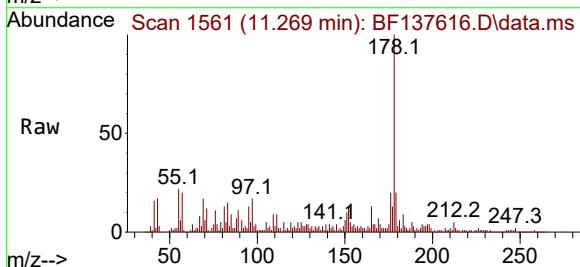
Instrument :
BNA_F
ClientSampleId :
COMP-1

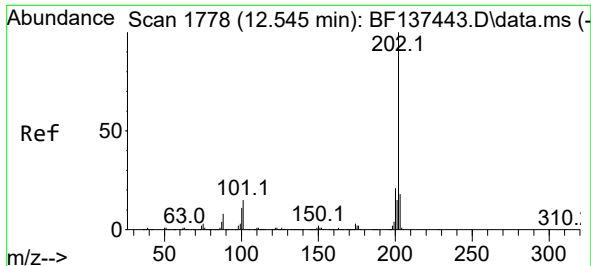
Tgt Ion:169 Resp: 61796
Ion Ratio Lower Upper
169 100
168 13.6 53.8 80.6#
167 9.5 29.6 44.4#



#71
Phenanthrene
Concen: 4.220 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:178 Resp: 116114
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 19.7 12.2 18.2#

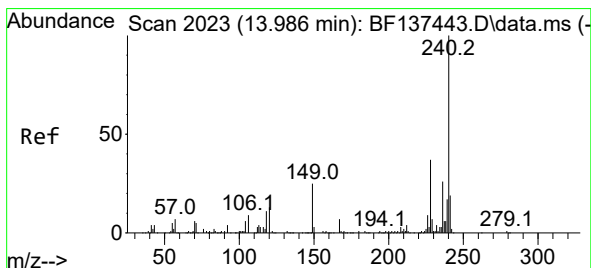
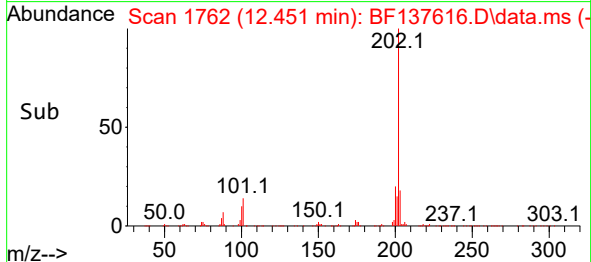
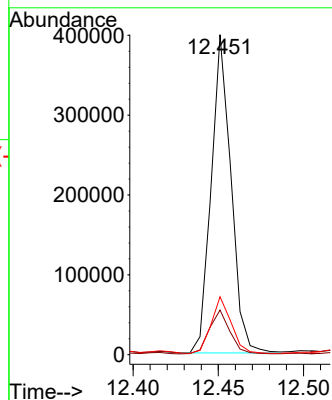
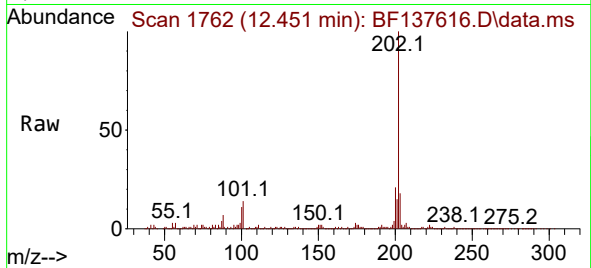




#75
Fluoranthene
Concen: 12.016 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

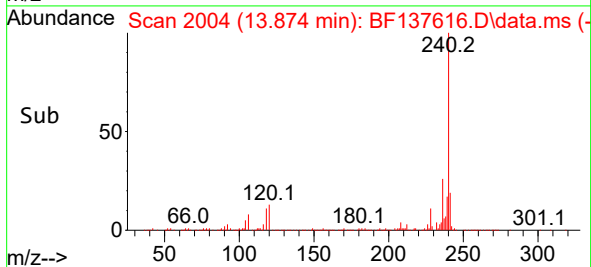
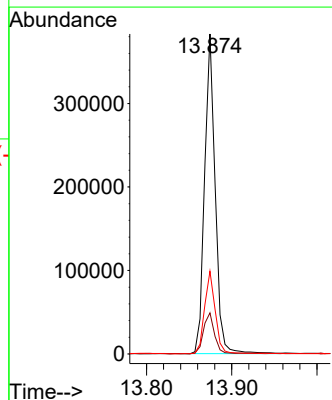
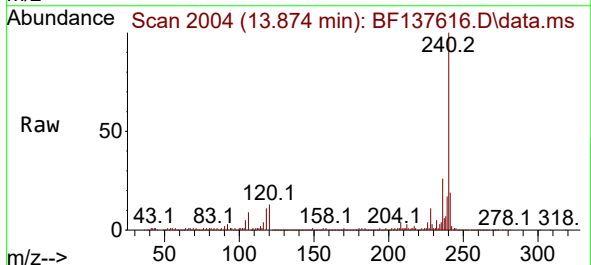
Instrument :
BNA_F
ClientSampleId :
COMP-1

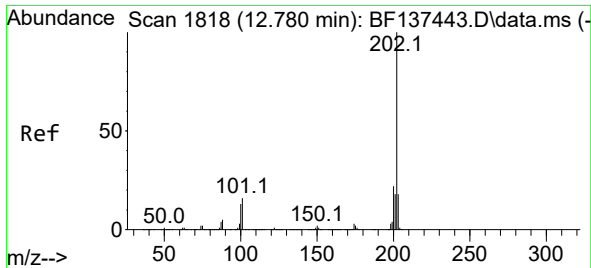
Tgt Ion:202 Resp: 323181
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.0
203 18.1 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:240 Resp: 330817
Ion Ratio Lower Upper
240 100
120 12.9 10.4 15.6
236 25.9 20.9 31.3

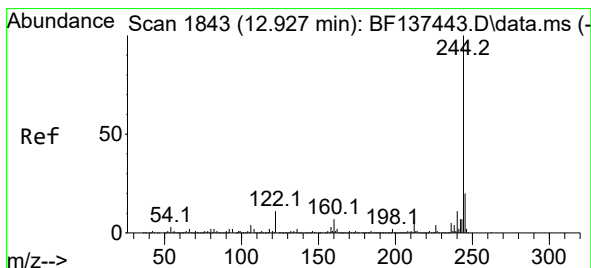
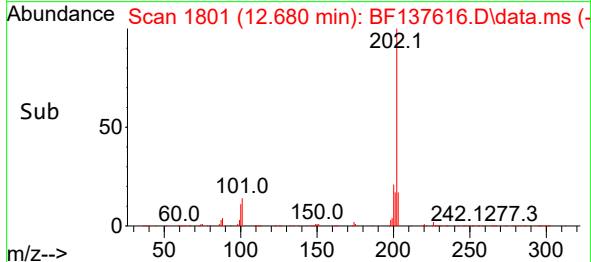
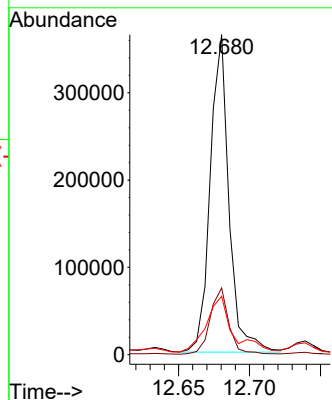
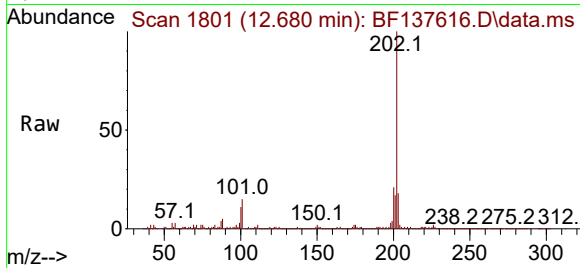




#78
 Pyrene
 Concen: 10.315 ng
 RT: 12.680 min Scan# 1801
 Delta R.T. -0.000 min
 Lab File: BF137616.D
 Acq: 15 Mar 2024 18:37

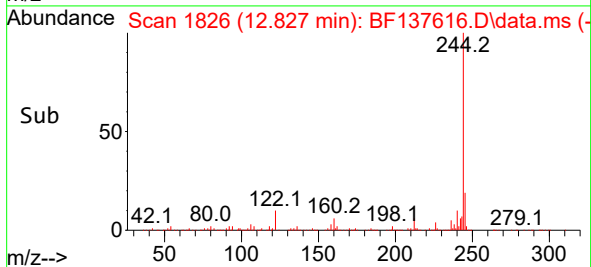
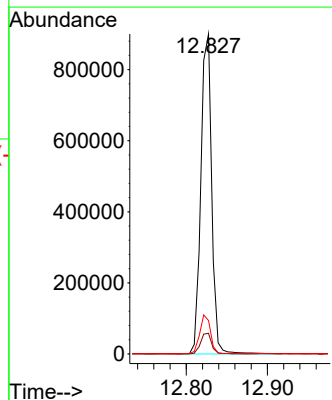
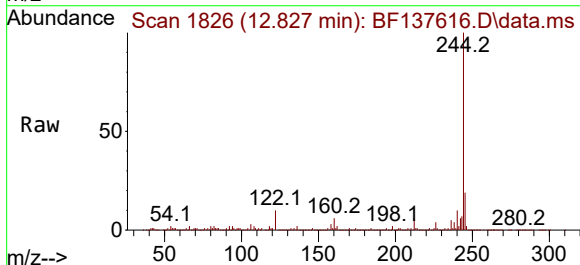
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

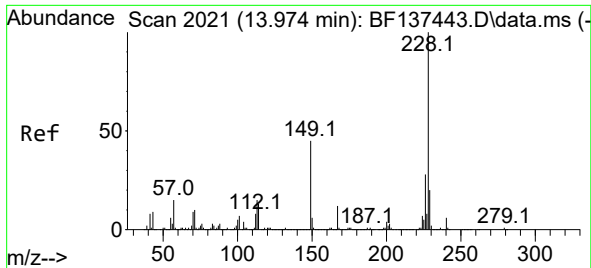
Tgt Ion:202 Resp: 334842
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.4 26.2
 203 18.3 14.1 21.1



#79
 Terphenyl-d14
 Concen: 34.780 ng
 RT: 12.827 min Scan# 1826
 Delta R.T. -0.000 min
 Lab File: BF137616.D
 Acq: 15 Mar 2024 18:37

Tgt Ion:244 Resp: 836715
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.5 9.1 13.7

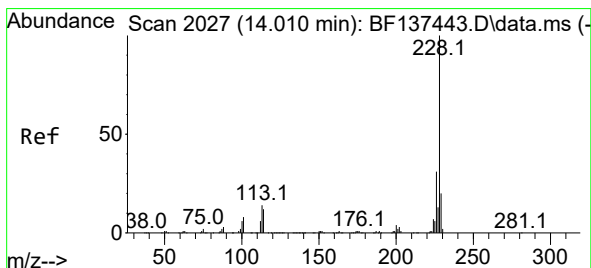
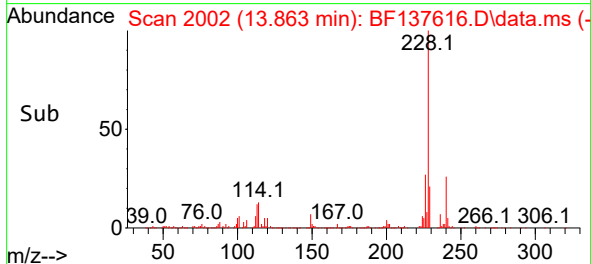
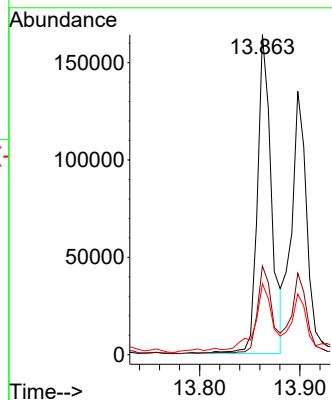
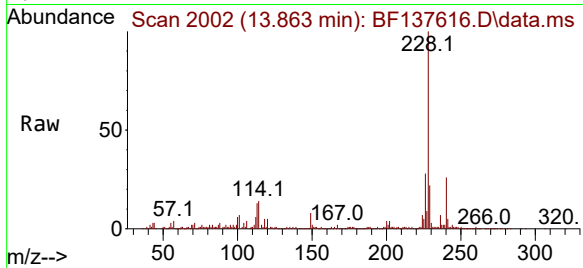




#81
Benzo(a)anthracene
Concen: 6.855 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

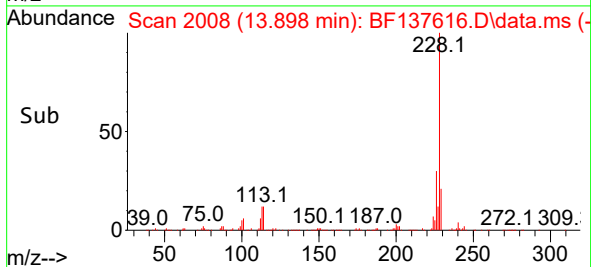
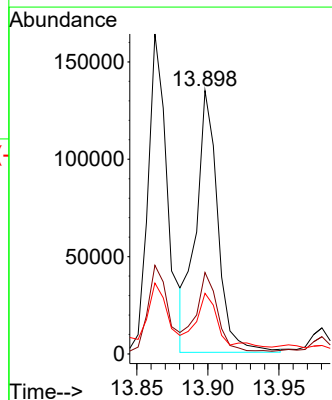
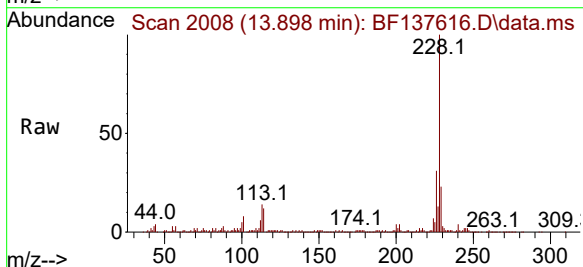
Instrument :
BNA_F
ClientSampleId :
COMP-1

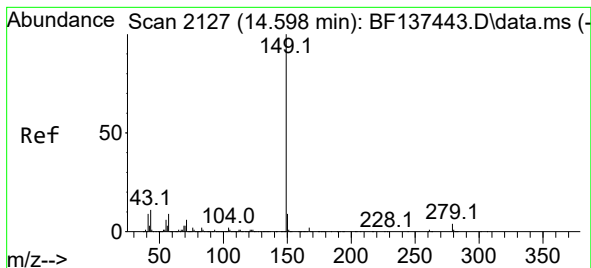
Tgt Ion:228 Resp: 158935
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 22.1 16.3 24.5



#83
Chrysene
Concen: 6.190 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:228 Resp: 145064
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 23.0 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.653 ng

RT: 14.469 min Scan# 2105

Delta R.T. -0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

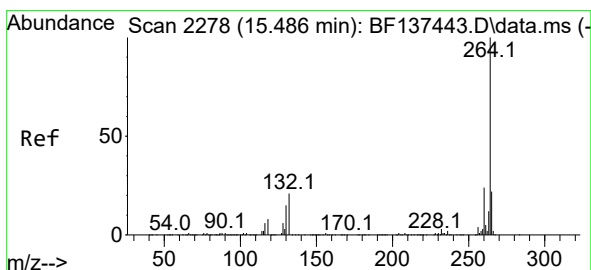
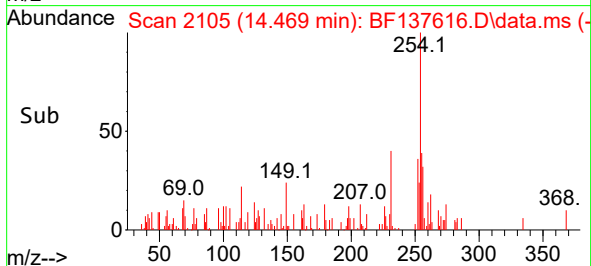
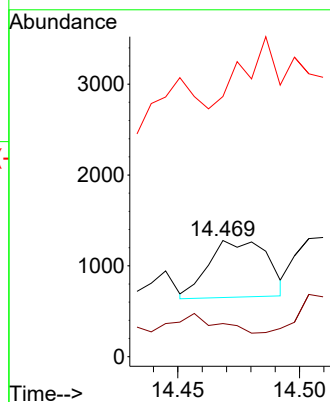
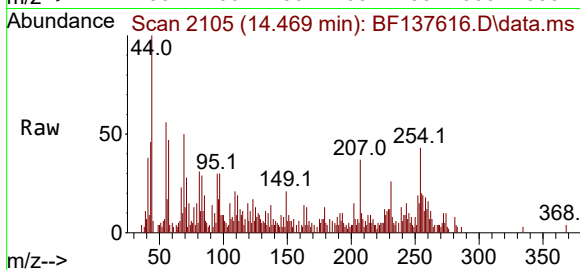
Tgt Ion:149 Resp: 1052

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 186.8 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

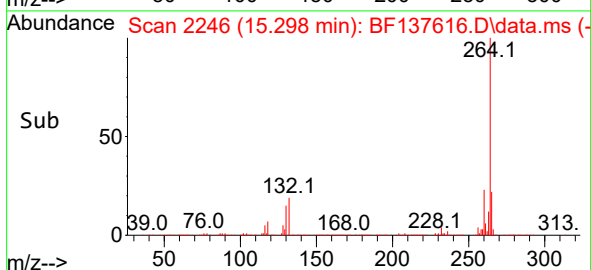
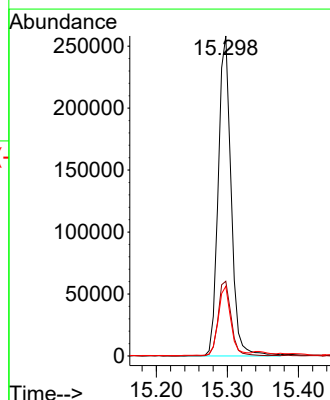
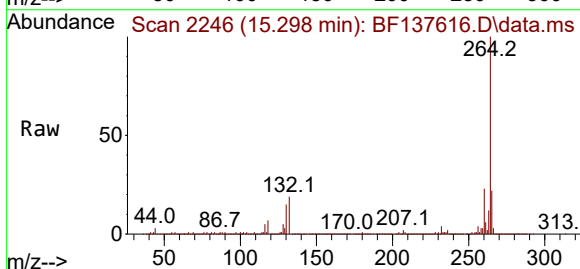
Tgt Ion:264 Resp: 323905

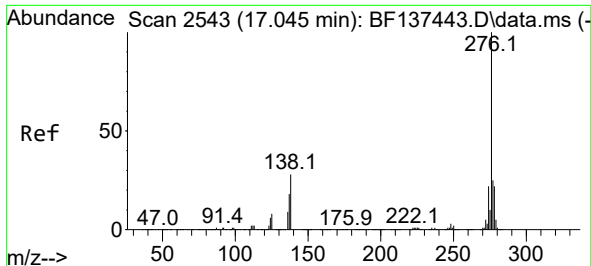
Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.8 17.4 26.0

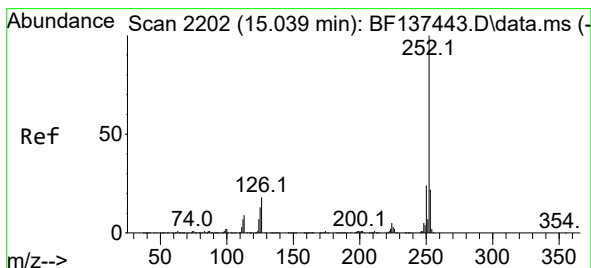
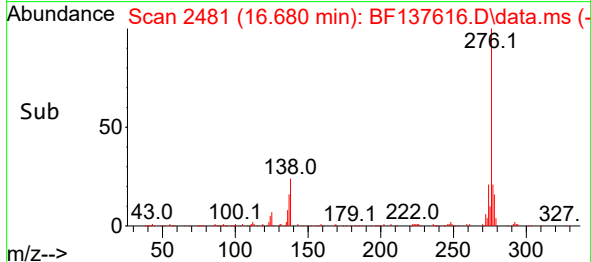
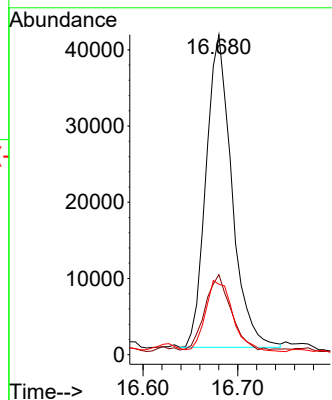
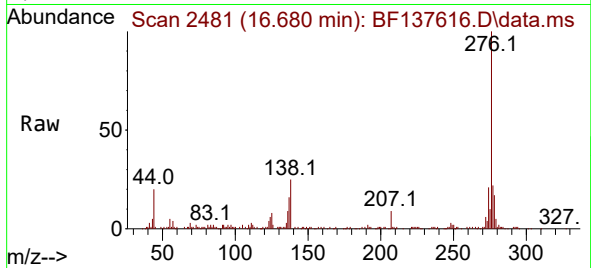




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.632 ng
RT: 16.680 min Scan# 241
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

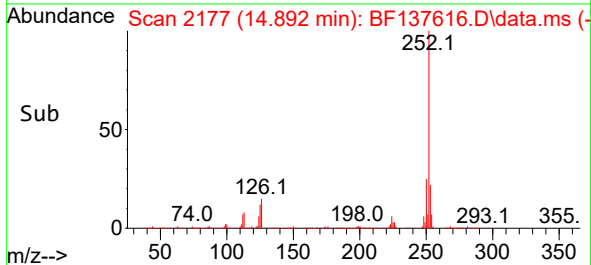
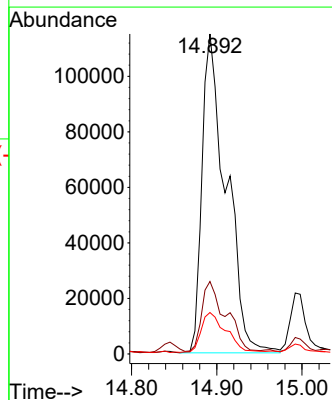
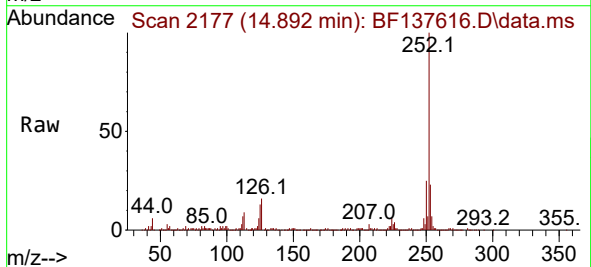
Instrument :
BNA_F
ClientSampleId :
COMP-1

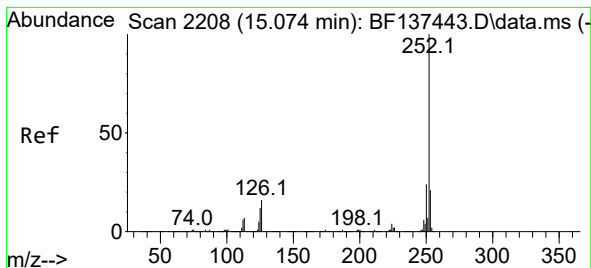
Tgt Ion:276 Resp: 77422
Ion Ratio Lower Upper
276 100
138 26.2 25.8 38.8
277 24.4 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 11.834 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:252 Resp: 226735
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 13.0 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 11.017 ng

RT: 14.892 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

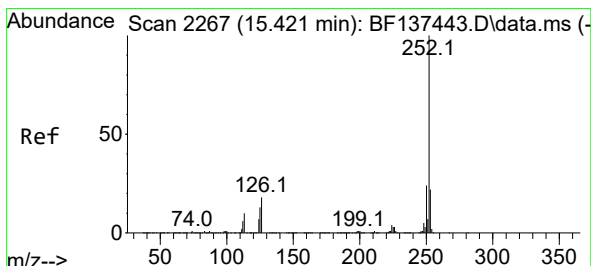
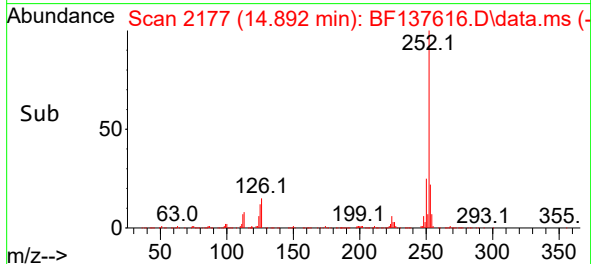
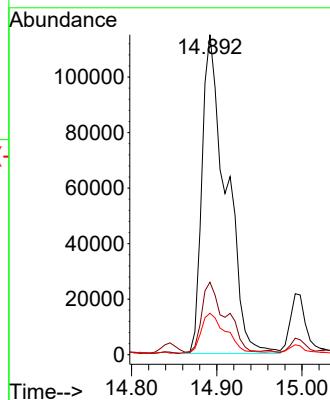
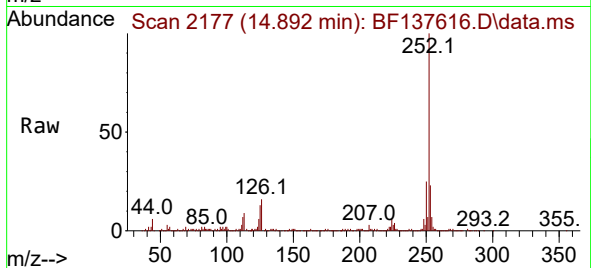
Tgt Ion:252 Resp: 226735

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 13.0 9.6 14.4



#90

Benzo(a)pyrene

Concen: 6.480 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

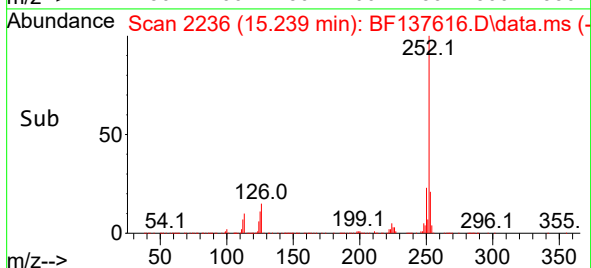
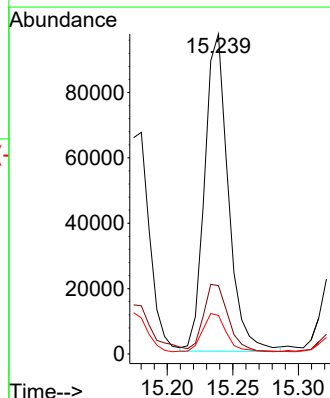
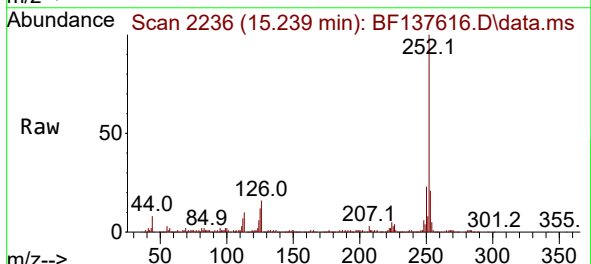
Tgt Ion:252 Resp: 122358

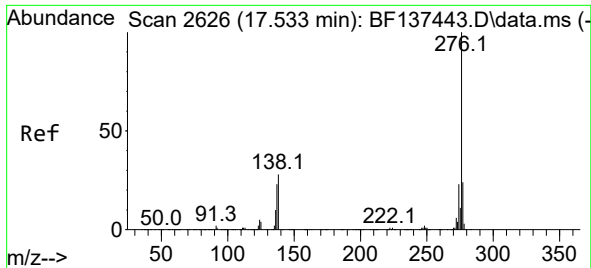
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

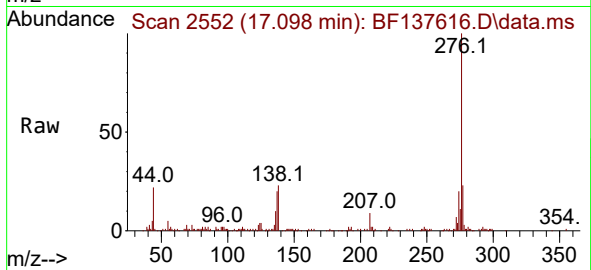
125 12.1 10.4 15.6





#92
Benzo(g,h,i)perylene
Concen: 4.594 ng
RT: 17.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	23.0	22.2	33.2

