

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137264.D
 Acq On : 02 Feb 2024 19:46
 Operator : CG\JU
 Sample : P1341-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Feb 02 22:44:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

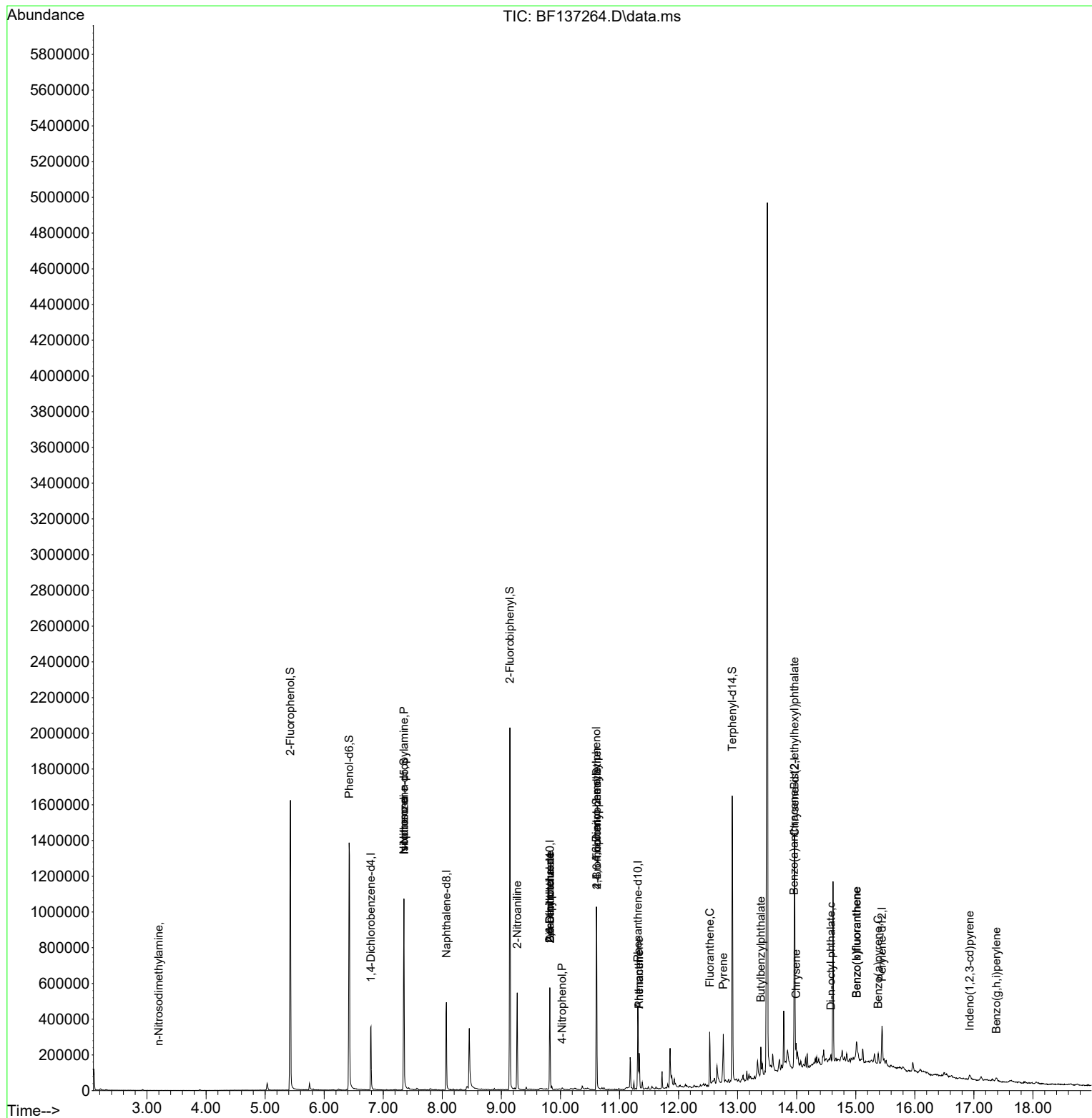
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	54995	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	208477	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	106265	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	169518	20.000	ng	0.00
76) Chrysene-d12	13.968	240	142385	20.000	ng	0.00
86) Perylene-d12	15.445	264	112329	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	403982	121.212	ng	0.01
7) Phenol-d6	6.422	99	525210	110.423	ng	0.00
23) Nitrobenzene-d5	7.351	82	346654	74.446	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	123254	102.703	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	576745	74.609	ng	0.00
79) Terphenyl-d14	12.910	244	587604	56.102	ng	-0.01
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.199	42	54	6.086	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	46190	14.164	ng	# 74
25) Isophorone	7.351	82	346650	40.332	ng	# 67
48) 2-Nitroaniline	9.269	65	5605	2.768	ng	# 20
50) Dimethylphthalate	9.822	163	19220	2.677	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	13476	8.803	ng	# 18
56) 4-Nitrophenol	10.028	139	987	9.184	ng	# 3
57) 2,4-Dinitrotoluene	9.822	165	13476	6.784	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.610	198	268	5.719	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	8356	4.483	ng	# 1
71) Phenanthrene	11.333	178	74180	8.359	ng	98
72) Anthracene	11.333	178	74180	8.020	ng	99
75) Fluoranthene	12.527	202	121812	13.117	ng	97
78) Pyrene	12.757	202	104060	7.605	ng	99
80) Butylbenzylphthalate	13.392	149	31329	8.950	ng	93
81) Benzo(a)anthracene	13.957	228	49370	4.896	ng	97
83) Chrysene	13.992	228	53623	5.409	ng	95
84) Bis(2-ethylhexyl)phtha...	13.963	149	245467	60.277	ng	98
85) Di-n-octyl phthalate	14.580	149	19701	3.043	ng	# 74
87) Indeno(1,2,3-cd)pyrene	16.927	276	18718	2.372	ng	# 96
88) Benzo(b)fluoranthene	15.015	252	72263	10.461	ng	# 96
89) Benzo(k)fluoranthene	15.015	252	72263	9.888	ng	94
90) Benzo(a)pyrene	15.380	252	32241	4.959	ng	# 93
92) Benzo(g,h,i)perylene	17.380	276	19241	3.100	ng	98

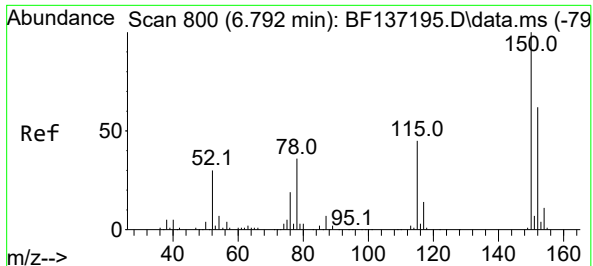
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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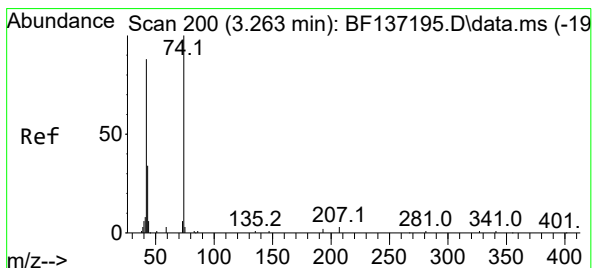
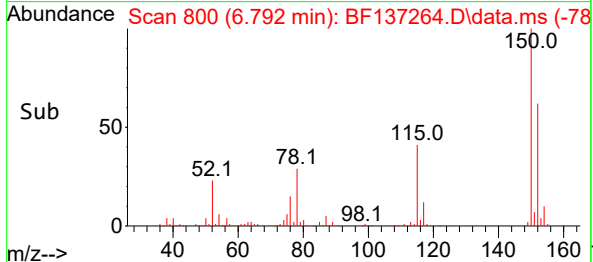
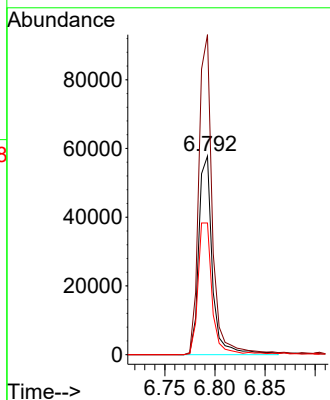
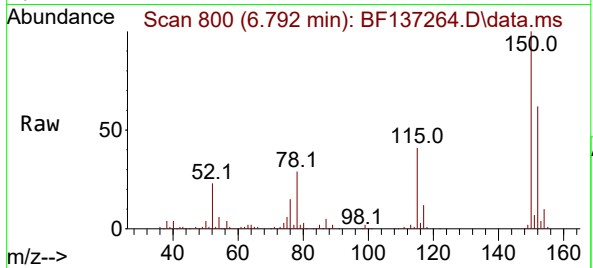




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

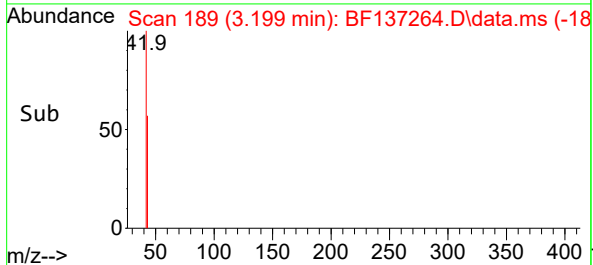
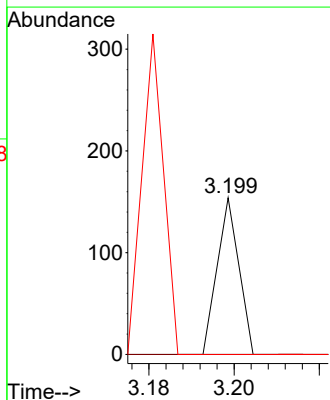
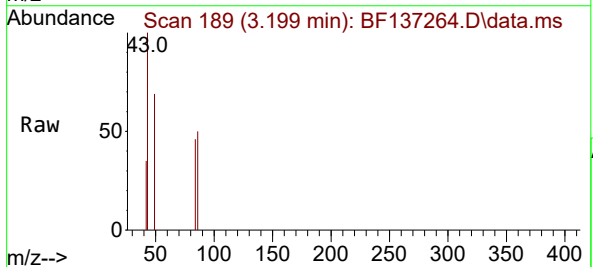
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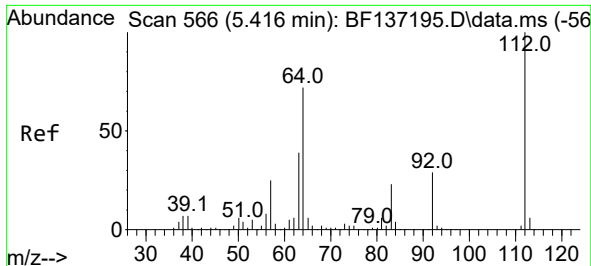
Tgt Ion:152 Resp: 54995
Ion Ratio Lower Upper
152 100
150 161.1 129.8 194.8
115 66.3 58.5 87.7



#4
n-Nitrosodimethylamine
Concen: 6.086 ng
RT: 3.199 min Scan# 189
Delta R.T. -0.064 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion: 42 Resp: 54
Ion Ratio Lower Upper
42 100
74 0.0 90.5 135.7#
44 0.0 6.1 9.1#

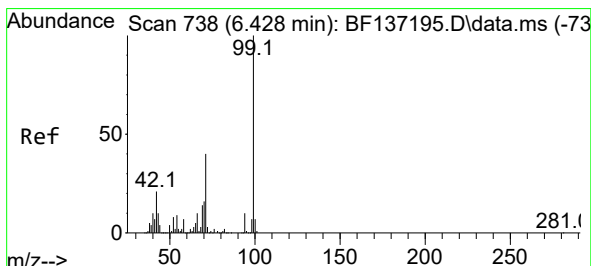
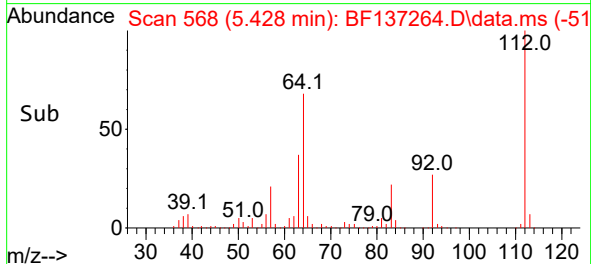
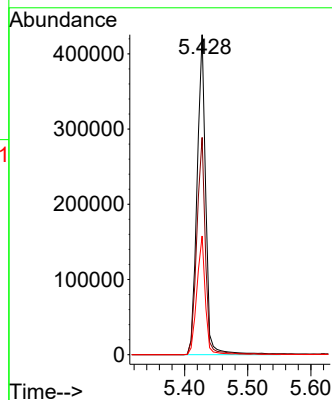
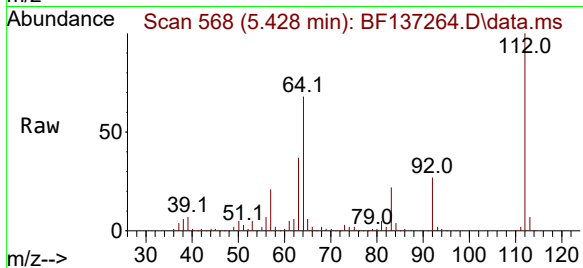




#5
2-Fluorophenol
Concen: 121.212 ng
RT: 5.428 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

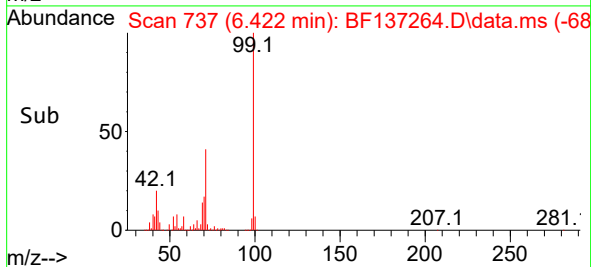
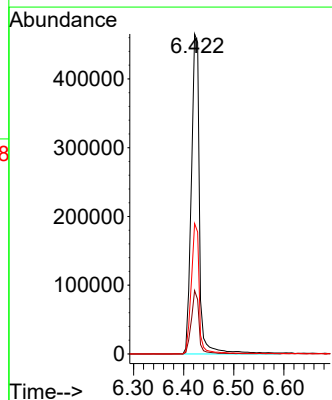
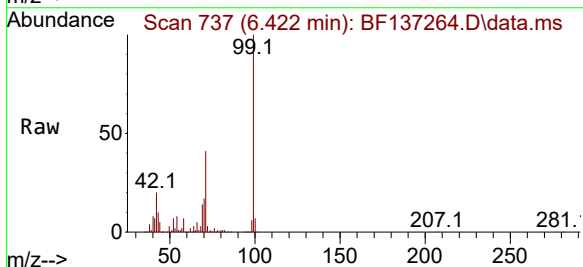
Instrument :
BNA_F
ClientSampleId :
COMP-1

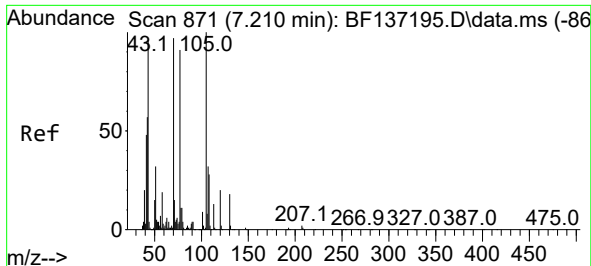
Tgt Ion:112 Resp: 403982
Ion Ratio Lower Upper
112 100
64 67.9 57.8 86.6
63 37.1 31.4 47.0



#7
Phenol-d6
Concen: 110.423 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion: 99 Resp: 525210
Ion Ratio Lower Upper
99 100
42 19.8 16.4 24.6
71 40.7 32.4 48.6

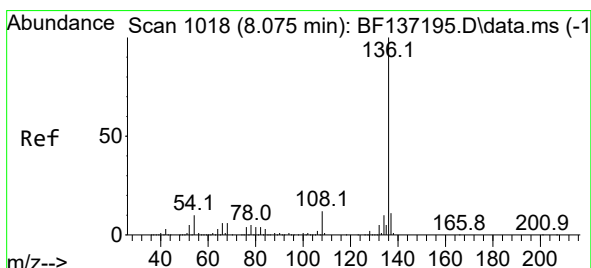
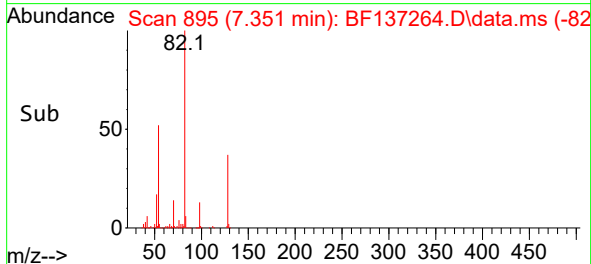
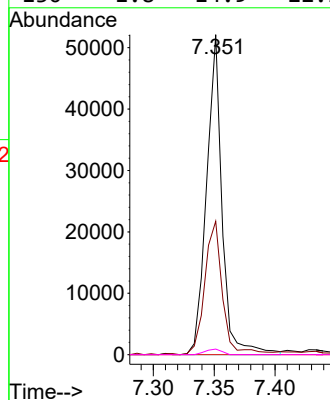
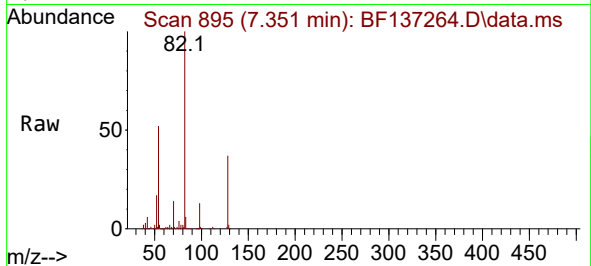




#19
n-Nitroso-di-n-propylamine
Concen: 14.164 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

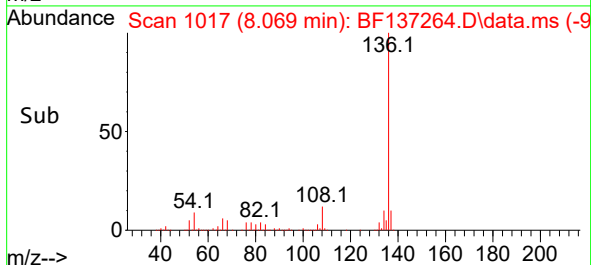
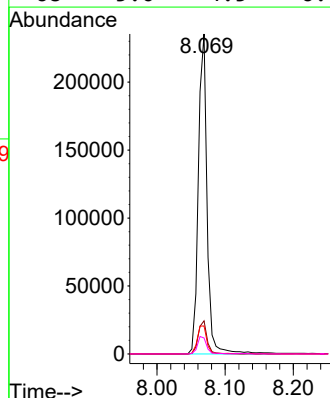
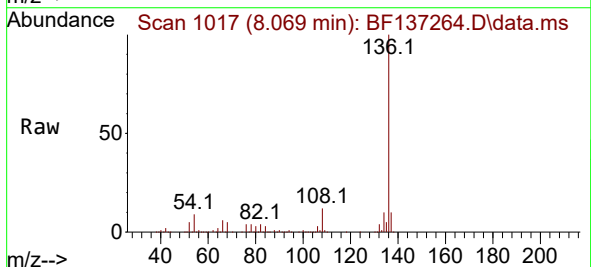
Instrument :
BNA_F
ClientSampleId :
COMP-1

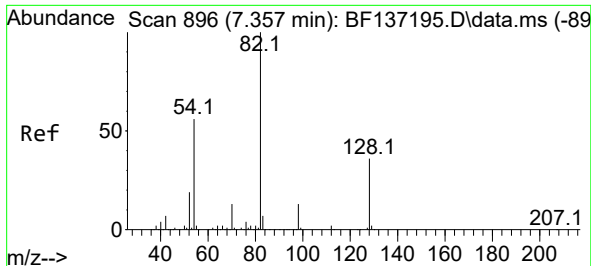
Tgt Ion: 70 Resp: 46190
Ion Ratio Lower Upper
70 100
42 41.7 47.2 70.8#
101 0.0 7.4 11.0#
130 1.8 14.9 22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion: 136 Resp: 208477
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 8.8 7.8 11.8
68 5.0 4.5 6.7





#23

Nitrobenzene-d5

Concen: 74.446 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

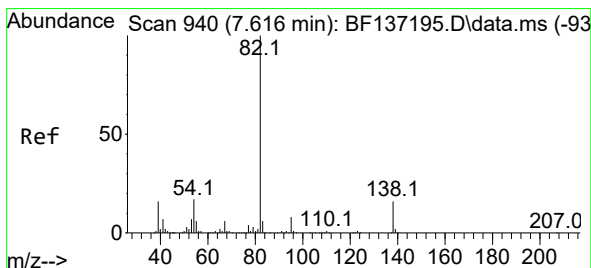
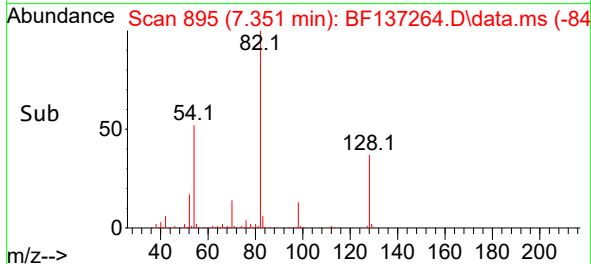
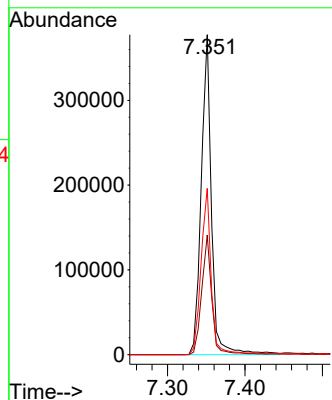
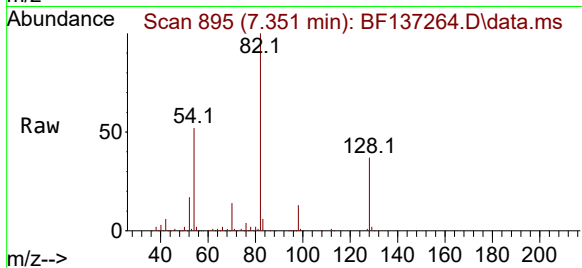
Tgt Ion: 82 Resp: 346654

Ion Ratio Lower Upper

82 100

128 37.4 29.1 43.7

54 51.9 45.0 67.6



#25

Isophorone

Concen: 40.332 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.265 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

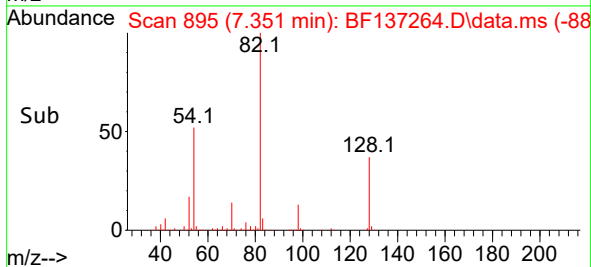
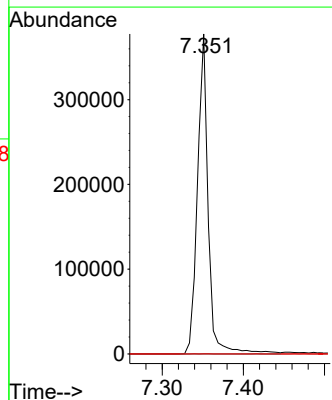
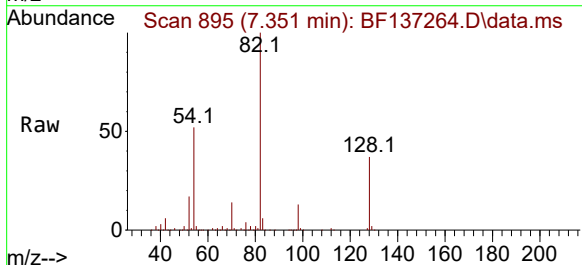
Tgt Ion: 82 Resp: 346650

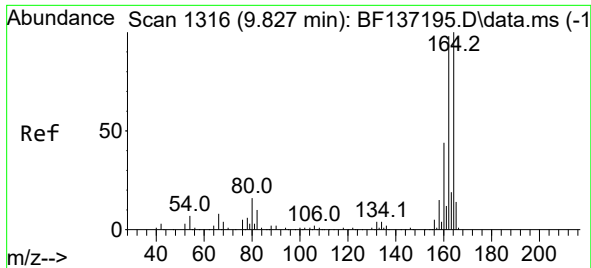
Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 12.7 19.1#

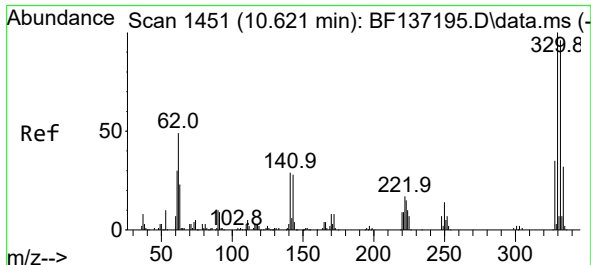
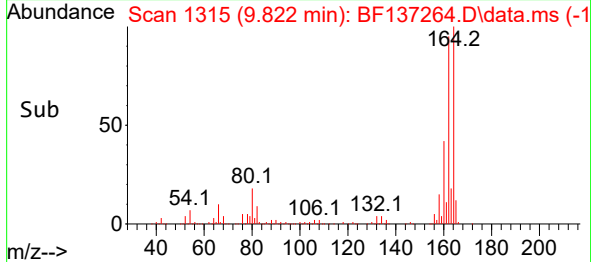
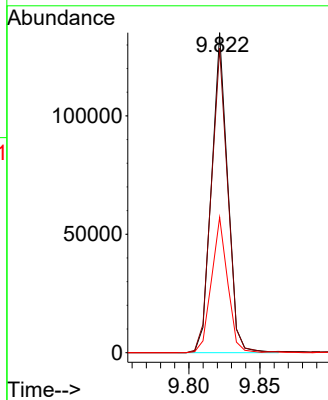
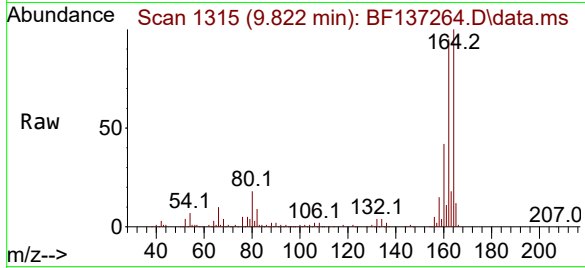




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

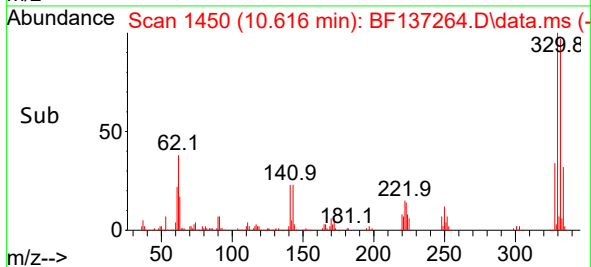
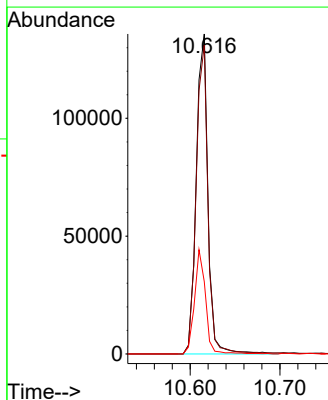
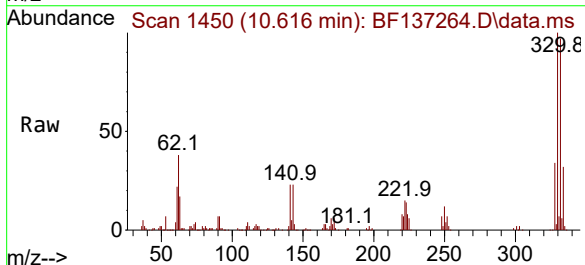
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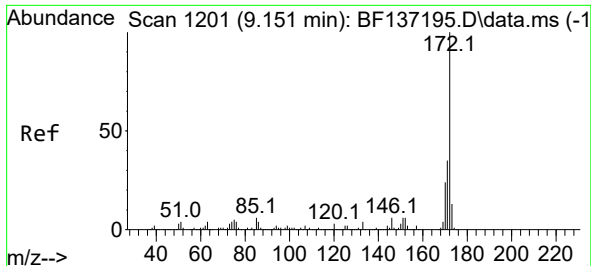
Tgt Ion:164 Resp: 106265
Ion Ratio Lower Upper
164 100
162 95.1 78.3 117.5
160 42.3 35.4 53.2



#42
2,4,6-Tribromophenol
Concen: 102.703 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:330 Resp: 123254
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 30.7 25.2 37.8

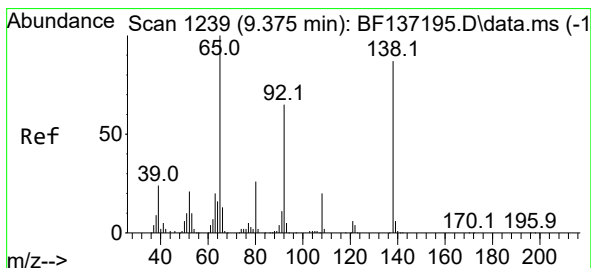
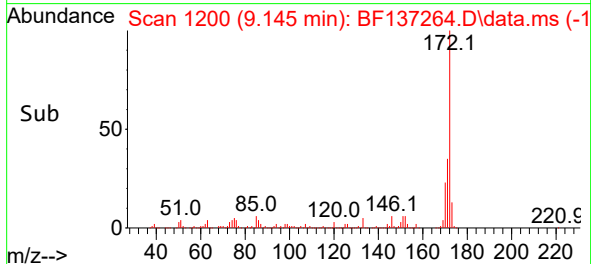
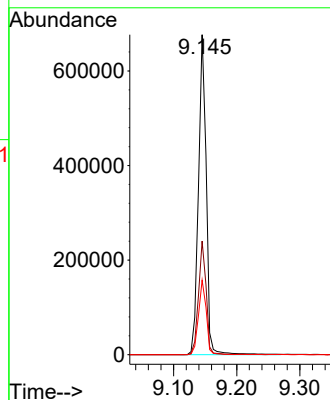
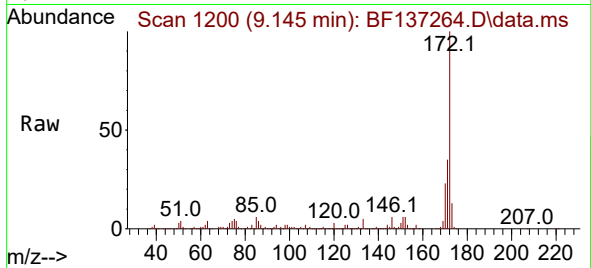




#45
2-Fluorobiphenyl
Concen: 74.609 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

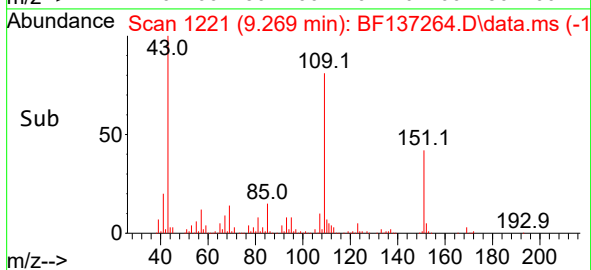
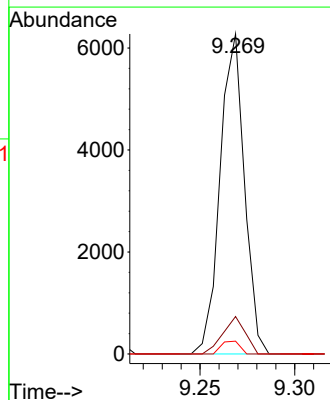
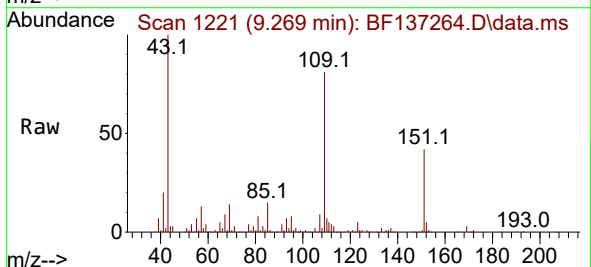
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ClientSampleId :
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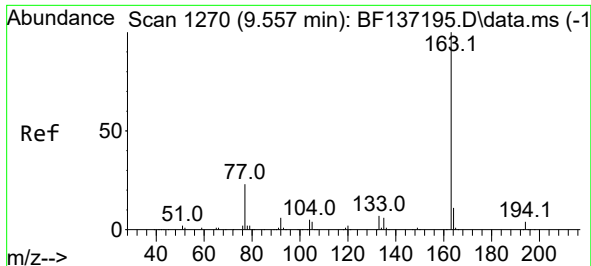
Tgt Ion:172 Resp: 576745
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.3 19.1 28.7



#48
2-Nitroaniline
Concen: 2.768 ng
RT: 9.269 min Scan# 1221
Delta R.T. -0.106 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion: 65 Resp: 5605
Ion Ratio Lower Upper
65 100
92 11.7 51.7 77.5#
138 4.0 69.7 104.5#

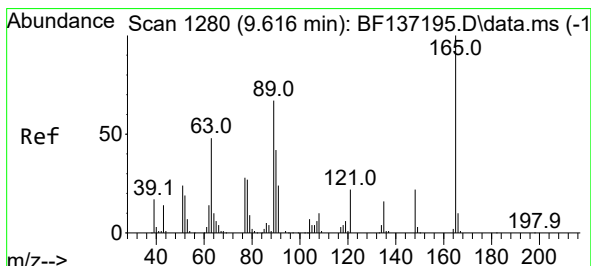
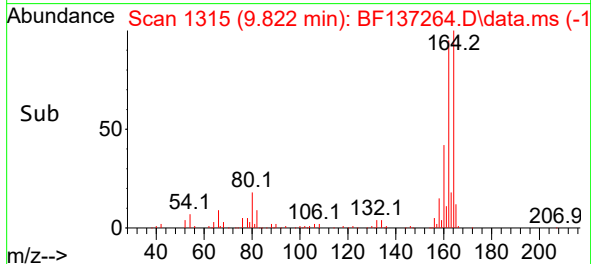
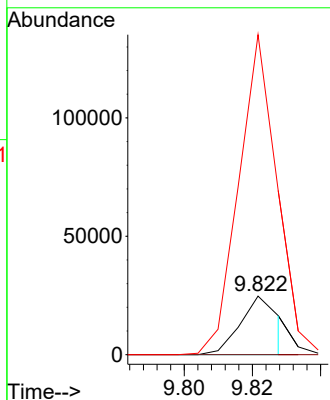
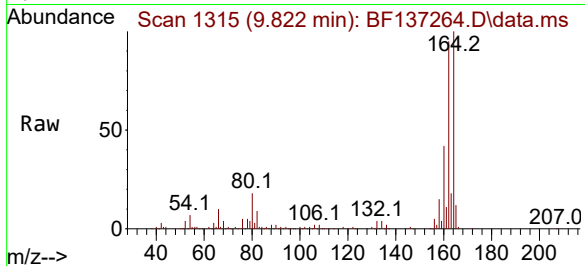




#50
Dimethylphthalate
Concen: 2.677 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

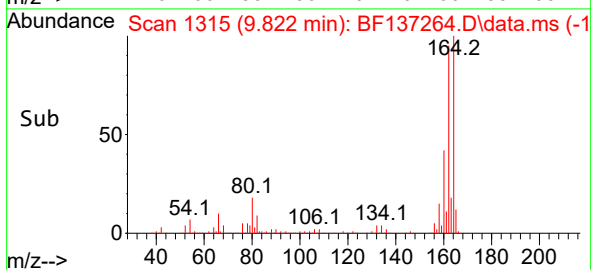
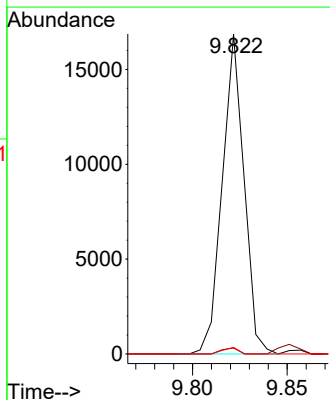
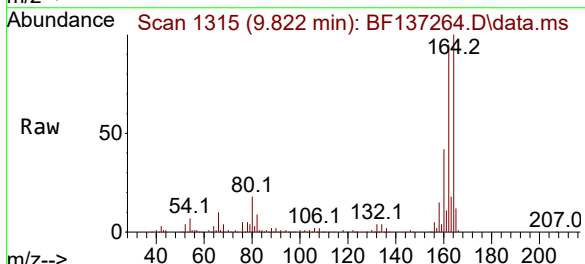
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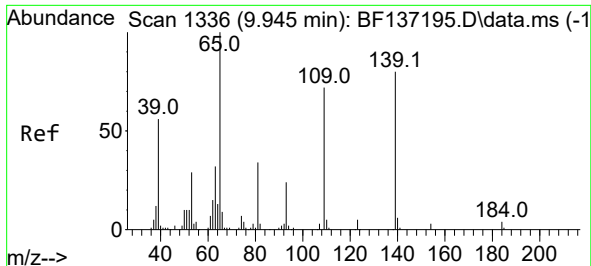
Tgt Ion:163 Resp: 19220
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 546.4 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 8.803 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:165 Resp: 13476
Ion Ratio Lower Upper
165 100
63 1.9 55.1 82.7#
89 2.0 53.5 80.3#

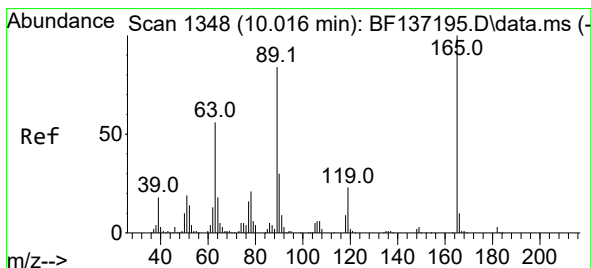
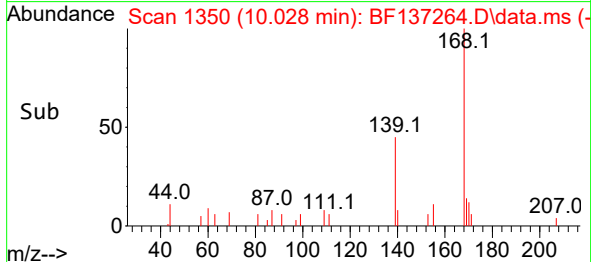
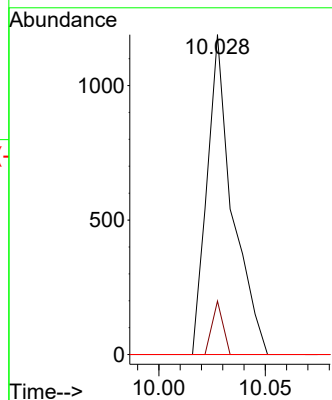
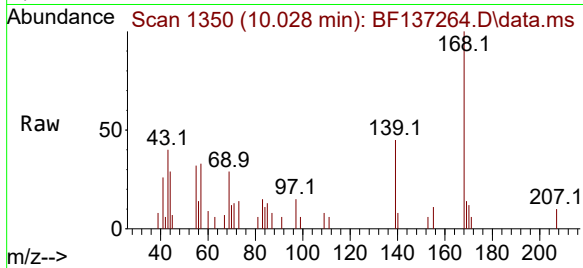




#56
4-Nitrophenol
Concen: 9.184 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.083 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

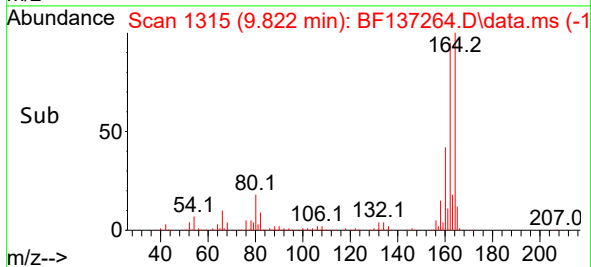
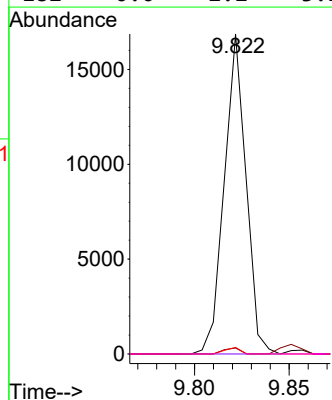
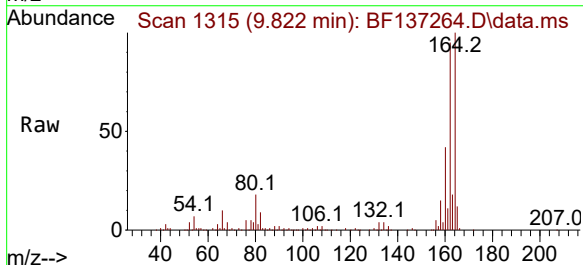
Instrument :
BNA_F
ClientSampleId :
COMP-1

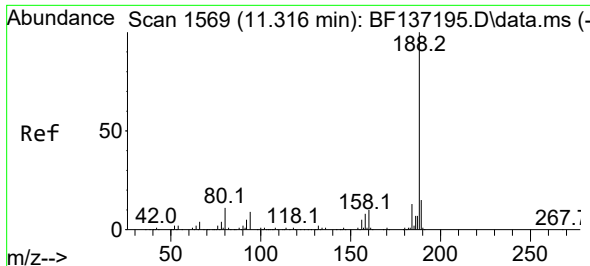
Tgt Ion:139 Resp: 987
Ion Ratio Lower Upper
139 100
109 16.7 70.4 110.4#
65 0.0 107.6 147.6#



#57
2,4-Dinitrotoluene
Concen: 6.784 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:165 Resp: 13476
Ion Ratio Lower Upper
165 100
63 1.9 46.1 69.1#
89 2.0 67.5 101.3#
182 0.0 2.2 3.2#

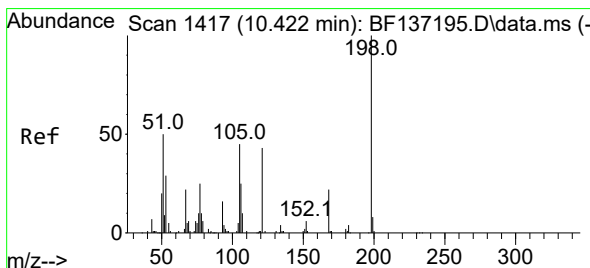
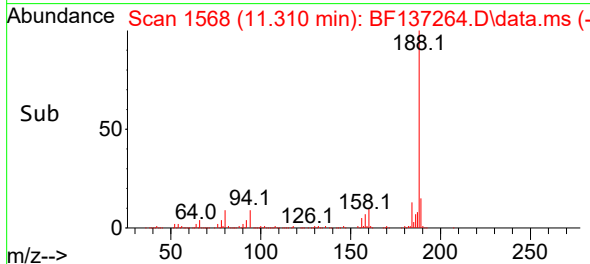
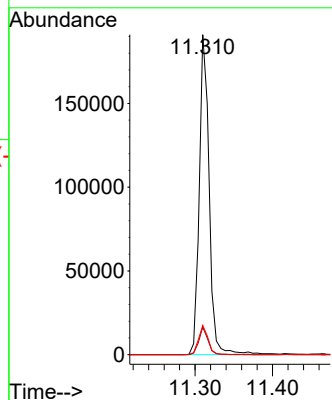
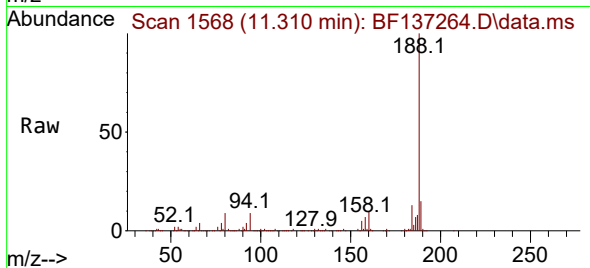




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

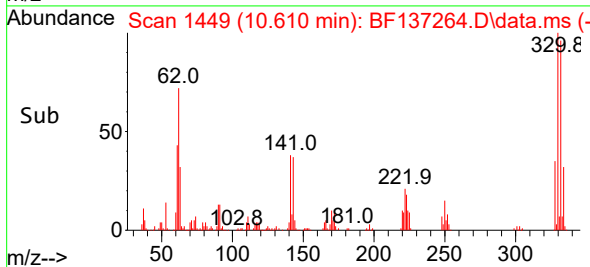
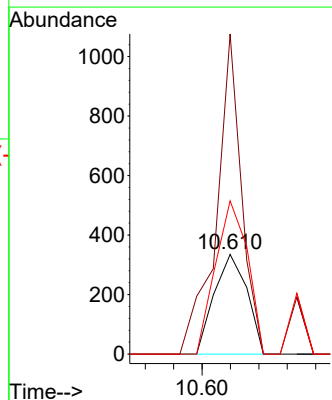
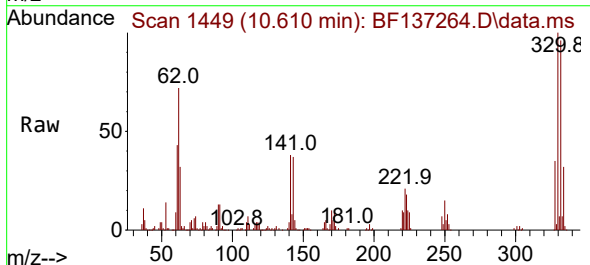
Instrument :
BNA_F
ClientSampleId :
COMP-1

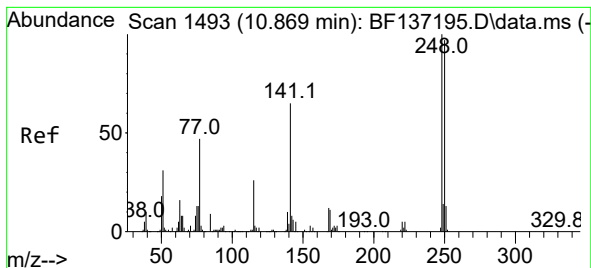
Tgt Ion:188 Resp: 169518
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.4
80 9.1 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.719 ng
RT: 10.610 min Scan# 1449
Delta R.T. 0.188 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:198 Resp: 268
Ion Ratio Lower Upper
198 100
51 321.2 40.9 80.9#
105 153.7 26.5 66.5#

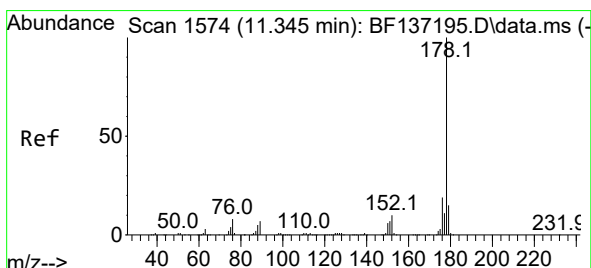
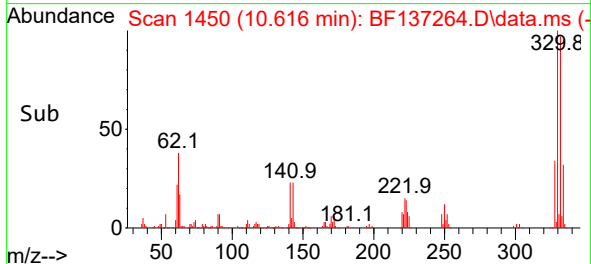
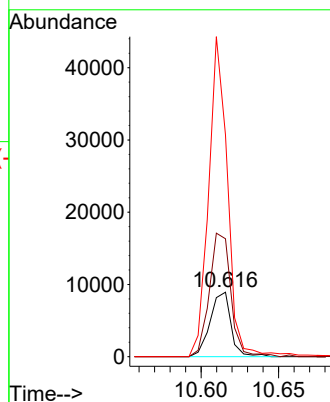
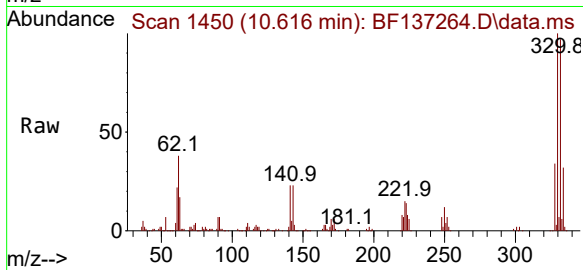




#67
4-Bromophenyl-phenylether
Concen: 4.483 ng
RT: 10.616 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

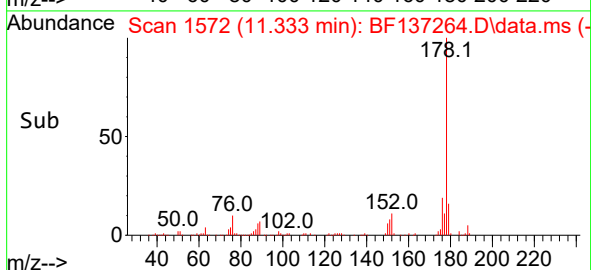
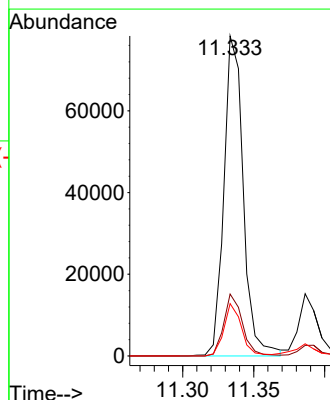
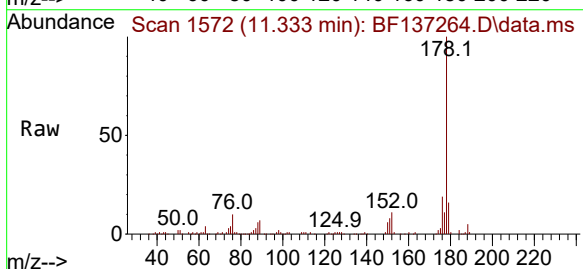
Instrument :
BNA_F
ClientSampleId :
COMP-1

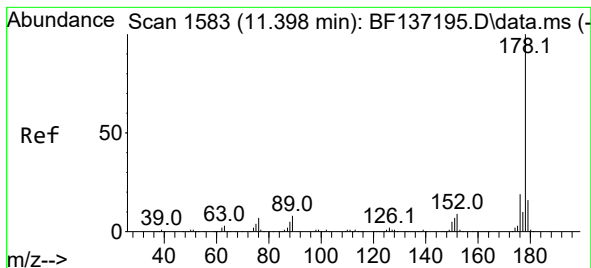
Tgt Ion:248 Resp: 8356
Ion Ratio Lower Upper
248 100
250 183.0 77.7 116.5#
141 344.1 51.6 77.4#



#71
Phenanthrene
Concen: 8.359 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:178 Resp: 74180
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 16.3 12.1 18.1





#72

Anthracene

Concen: 8.020 ng

RT: 11.333 min Scan# 11

Delta R.T. -0.065 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

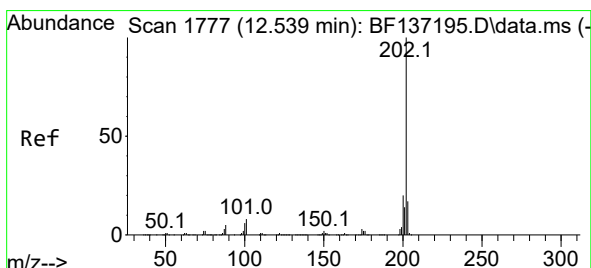
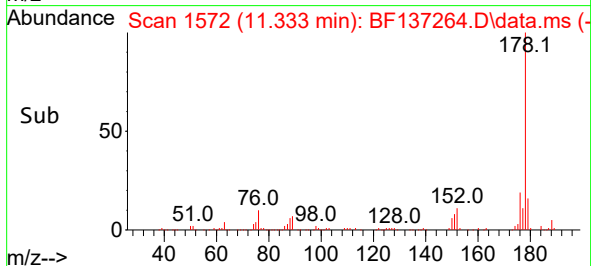
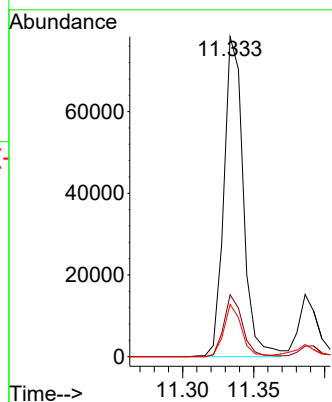
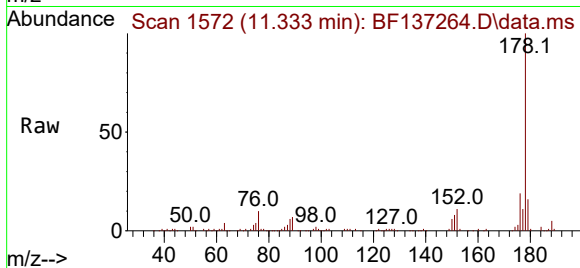
Tgt Ion:178 Resp: 74180

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.3 12.7 19.1



#75

Fluoranthene

Concen: 13.117 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

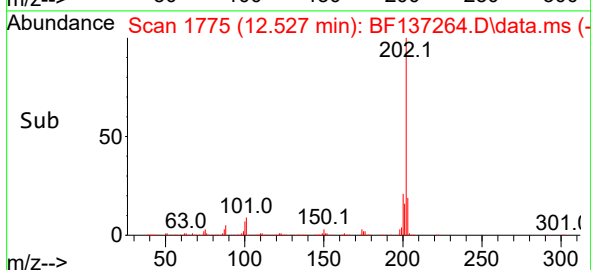
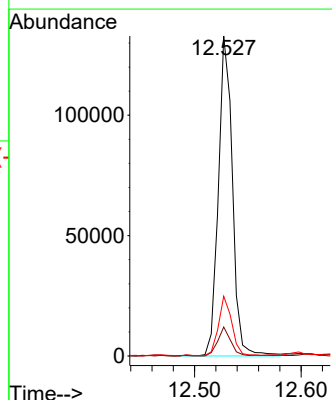
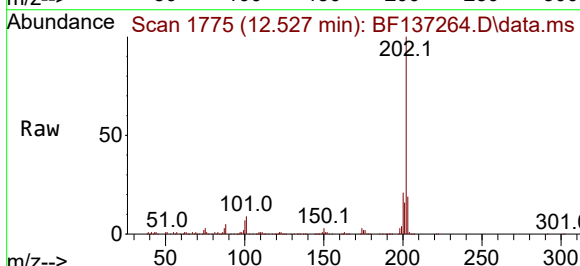
Tgt Ion:202 Resp: 121812

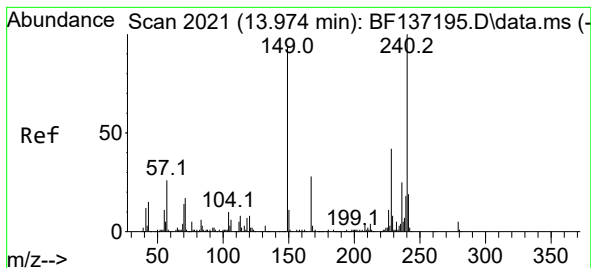
Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.4

203 18.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

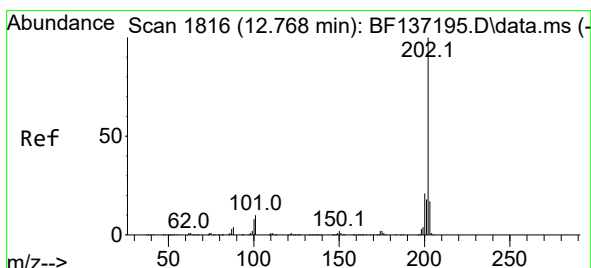
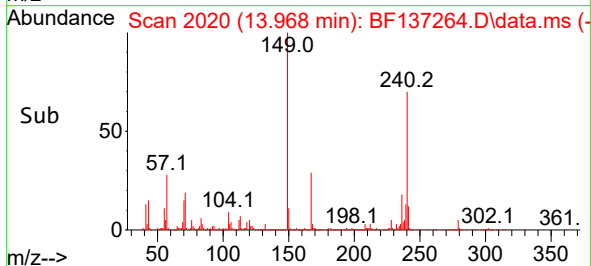
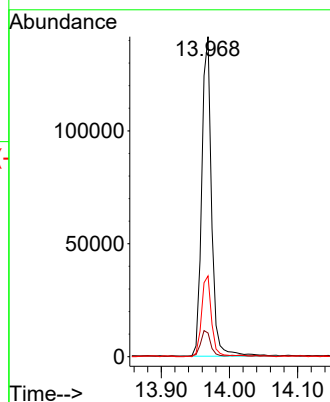
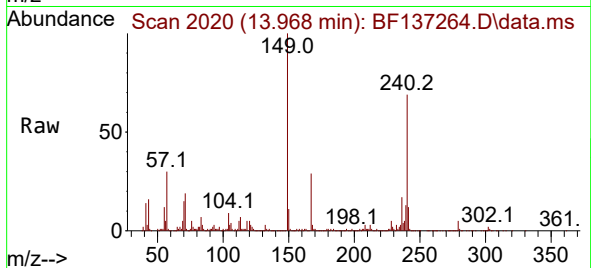
Tgt Ion:240 Resp: 142385

Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 25.3 20.3 30.5



#78

Pyrene

Concen: 7.605 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

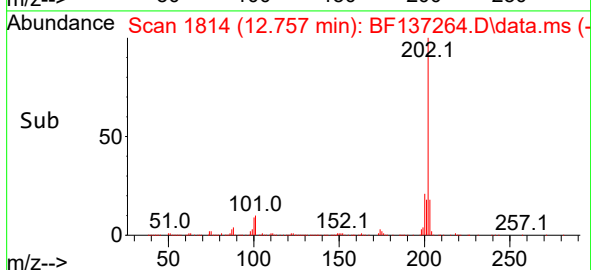
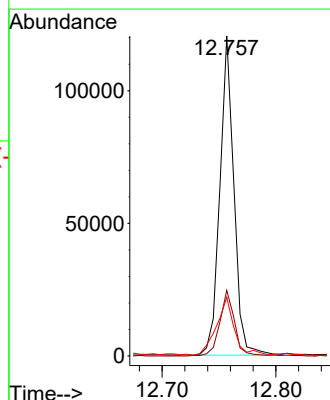
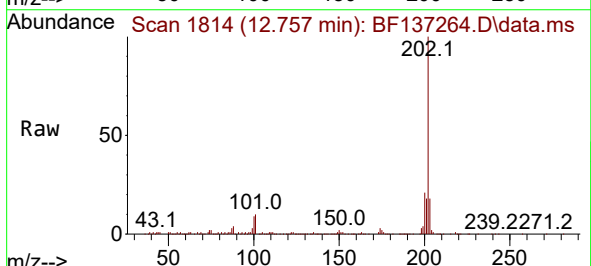
Tgt Ion:202 Resp: 104060

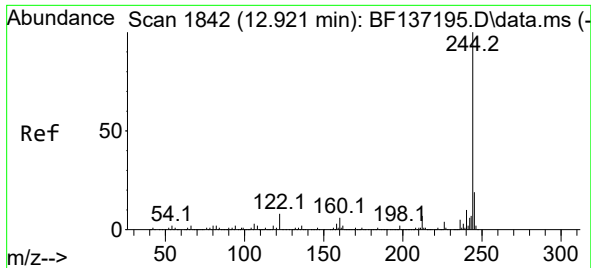
Ion Ratio Lower Upper

202 100

200 20.5 16.5 24.7

203 18.4 13.8 20.6

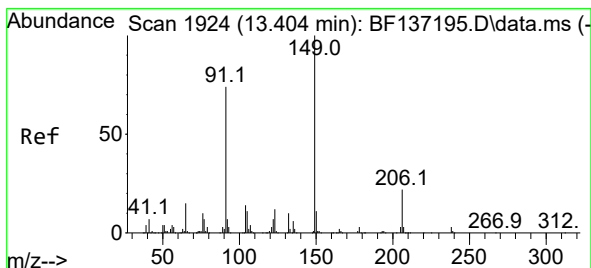
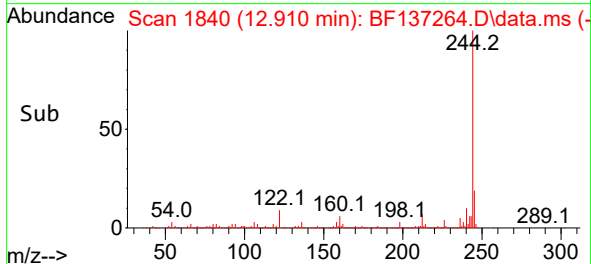
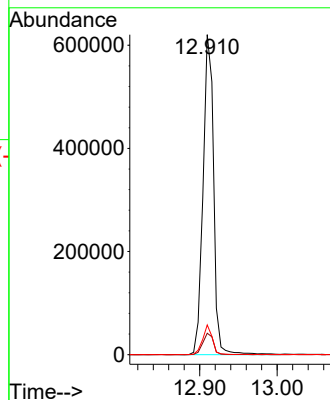
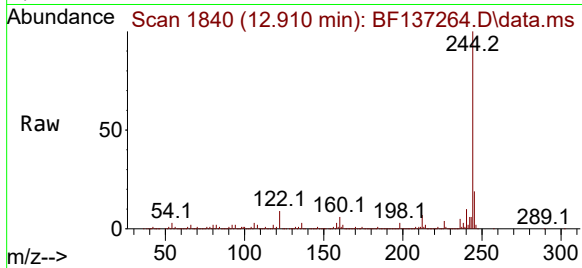




#79
 Terphenyl-d14
 Concen: 56.102 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF137264.D
 Acq: 02 Feb 2024 19:46

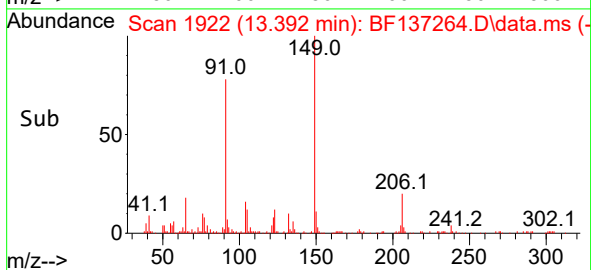
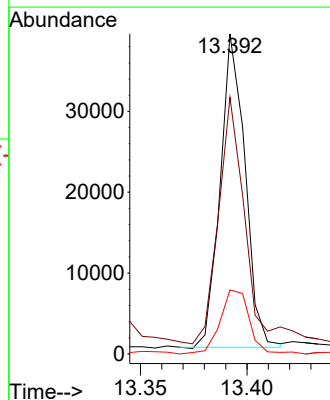
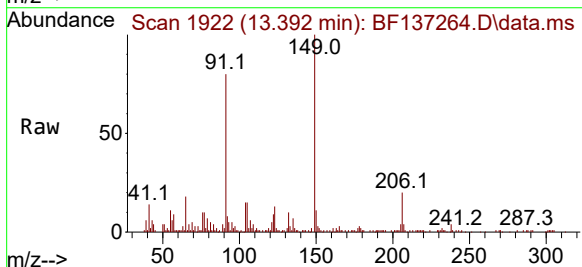
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

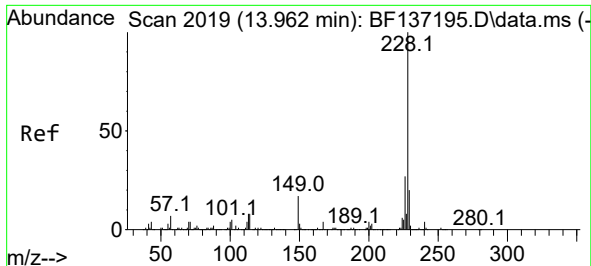
Tgt Ion:244 Resp: 587604
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 9.3 6.2 9.4



#80
 Butylbenzylphthalate
 Concen: 8.950 ng
 RT: 13.392 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF137264.D
 Acq: 02 Feb 2024 19:46

Tgt Ion:149 Resp: 31329
 Ion Ratio Lower Upper
 149 100
 91 80.2 58.8 88.2
 206 20.0 17.7 26.5





#81

Benzo(a)anthracene

Concen: 4.896 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

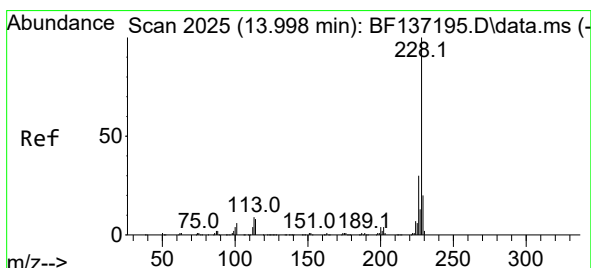
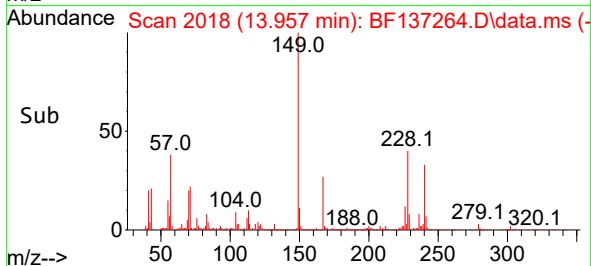
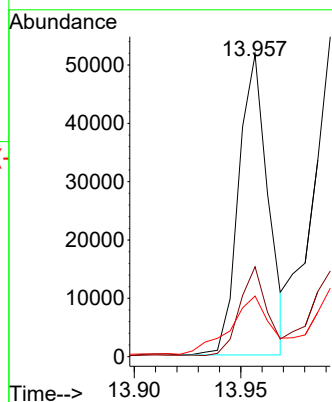
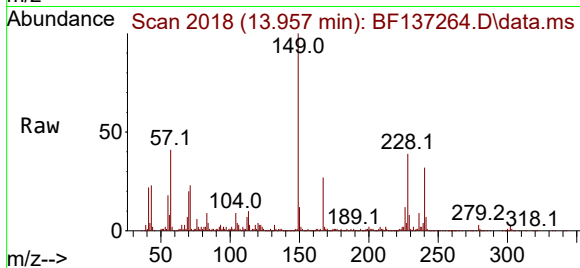
Tgt Ion:228 Resp: 49370

Ion Ratio Lower Upper

228 100

226 29.7 21.6 32.4

229 20.0 15.8 23.6



#83

Chrysene

Concen: 5.409 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

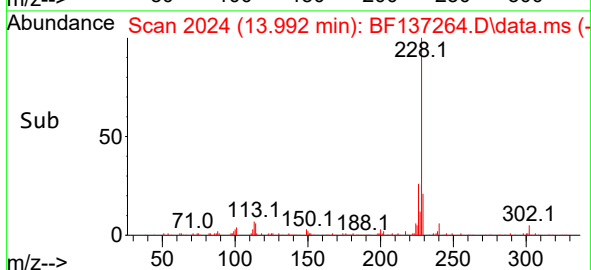
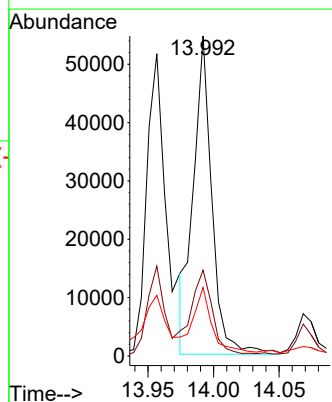
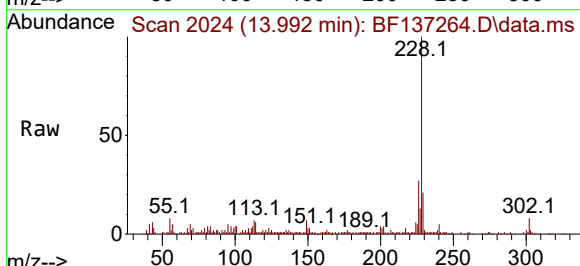
Tgt Ion:228 Resp: 53623

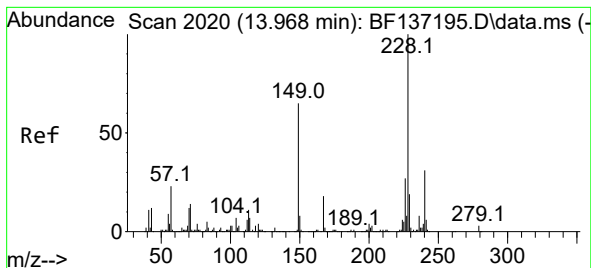
Ion Ratio Lower Upper

228 100

226 26.8 23.7 35.5

229 21.4 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 60.277 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

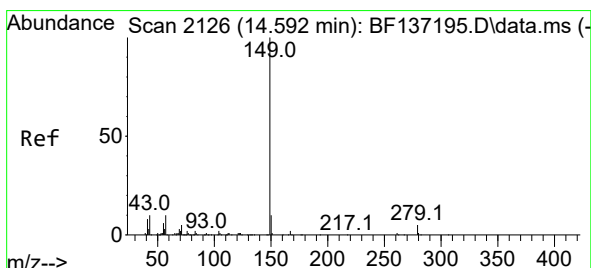
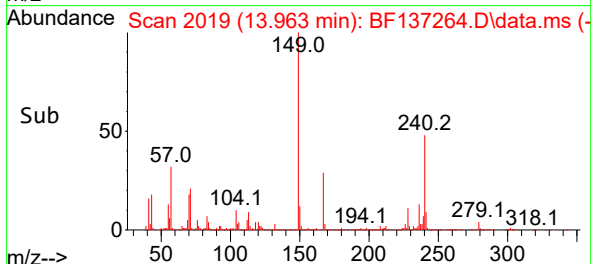
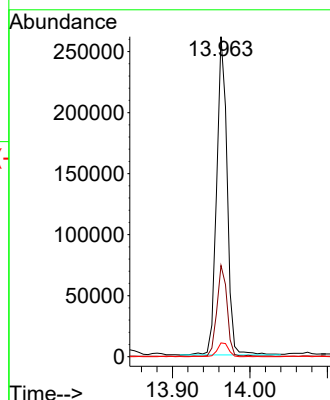
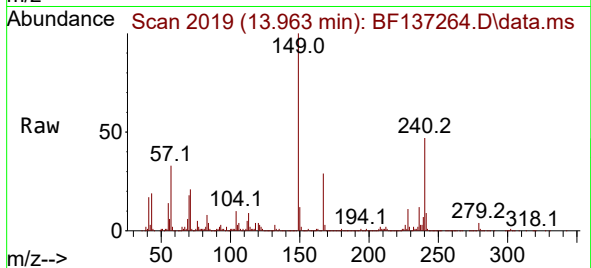
Tgt Ion:149 Resp: 245467

Ion Ratio Lower Upper

149 100

167 28.5 21.7 32.5

279 4.3 3.4 5.0



#85

Di-n-octyl phthalate

Concen: 3.043 ng

RT: 14.580 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

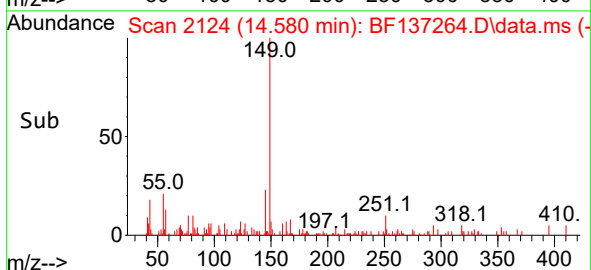
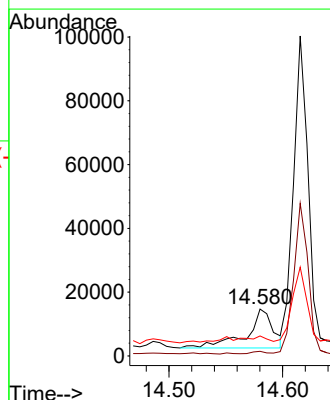
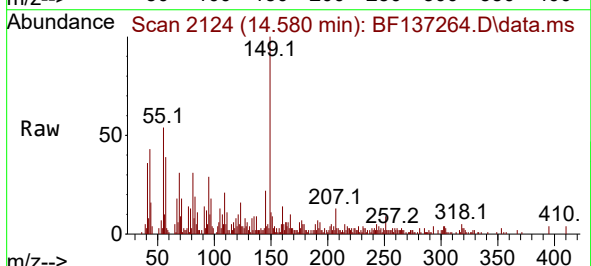
Tgt Ion:149 Resp: 19701

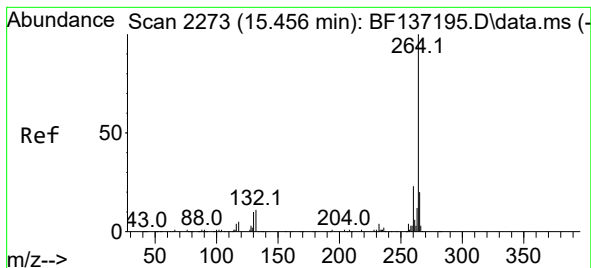
Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

43 0.0 9.0 13.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

Instrument :

BNA_F

ClientSampleId :

COMP-1

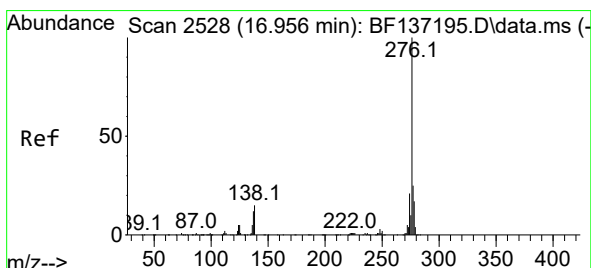
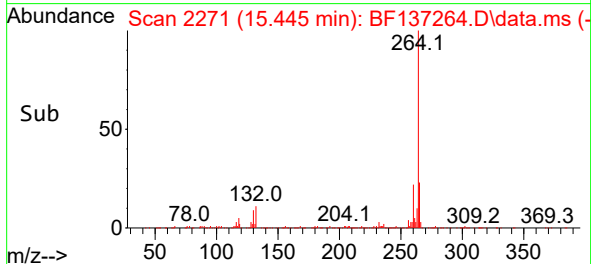
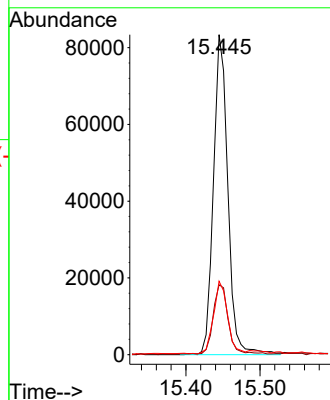
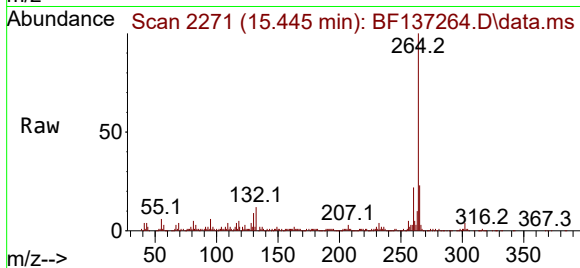
Tgt Ion:264 Resp: 112329

Ion Ratio Lower Upper

264 100

260 21.9 18.2 27.4

265 23.0 16.2 24.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.372 ng

RT: 16.927 min Scan# 2523

Delta R.T. -0.029 min

Lab File: BF137264.D

Acq: 02 Feb 2024 19:46

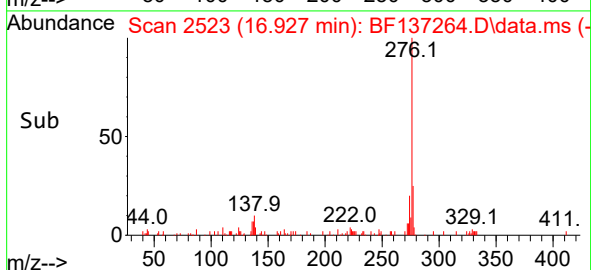
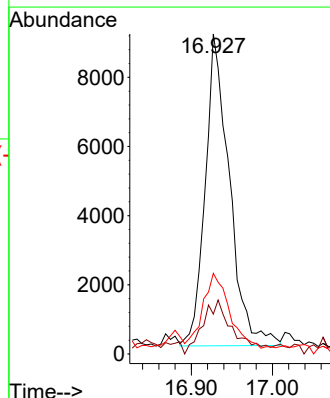
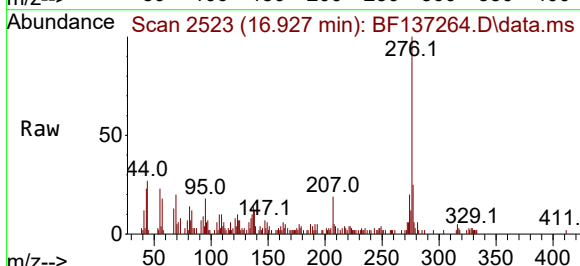
Tgt Ion:276 Resp: 18718

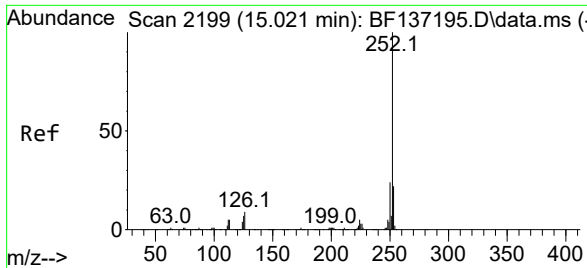
Ion Ratio Lower Upper

276 100

138 21.9 14.6 21.8#

277 25.8 20.2 30.2

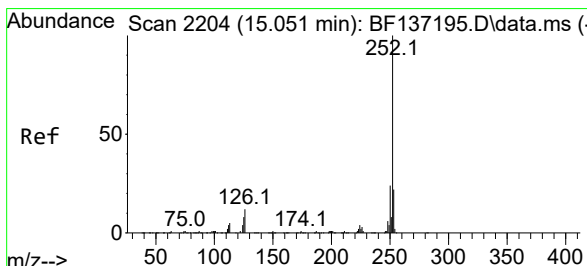
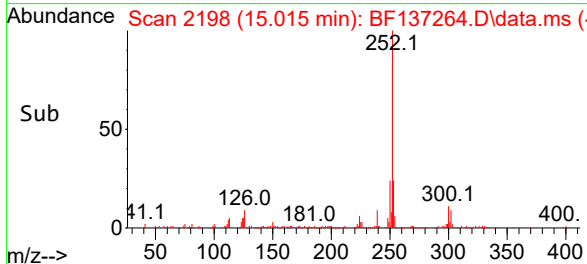
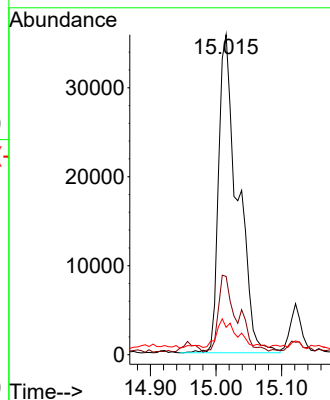
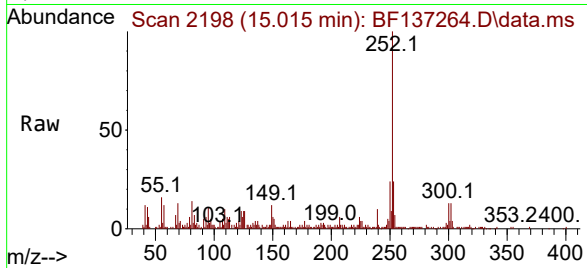




#88
Benzo(b)fluoranthene
Concen: 10.461 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

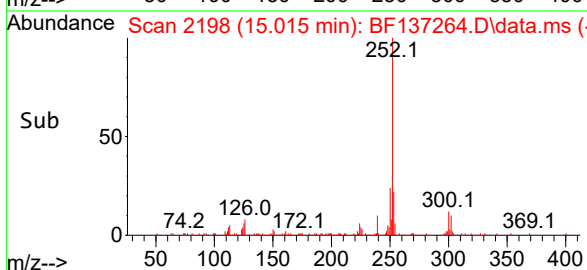
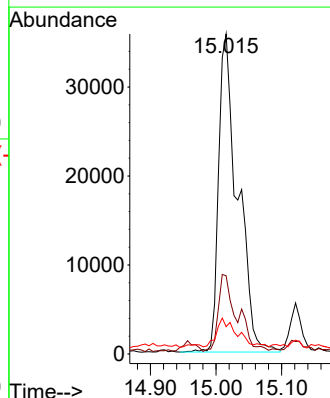
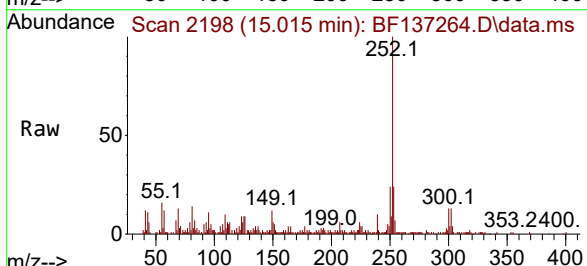
Instrument :
BNA_F
ClientSampleId :
COMP-1

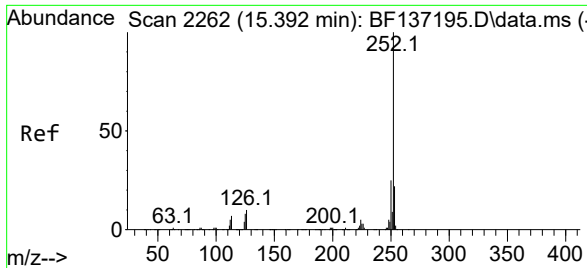
Tgt Ion:252 Resp: 72263
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 8.5 5.4 8.2#



#89
Benzo(k)fluoranthene
Concen: 9.888 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:252 Resp: 72263
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.6
125 8.5 5.9 8.9

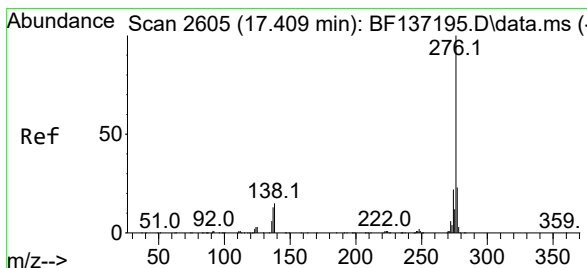
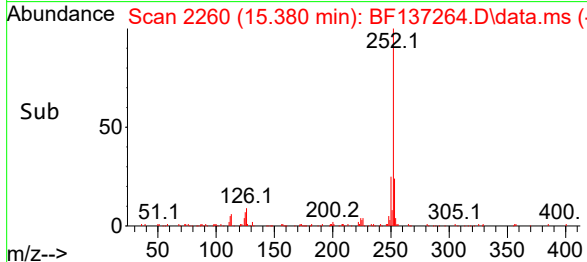
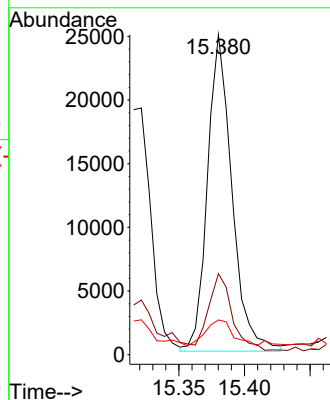
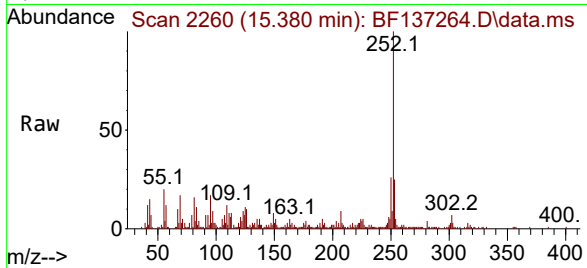




#90
Benzo(a)pyrene
Concen: 4.959 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:252 Resp: 32241
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.6
125 10.9 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 3.100 ng
RT: 17.380 min Scan# 2600
Delta R.T. -0.029 min
Lab File: BF137264.D
Acq: 02 Feb 2024 19:46

Tgt Ion:276 Resp: 19241
Ion Ratio Lower Upper
276 100
277 22.1 18.4 27.6
138 16.0 11.8 17.8

