

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020224\
 Data File : BF137265.D
 Acq On : 02 Feb 2024 20:16
 Operator : CG\JU
 Sample : P1341-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Feb 02 22:45:00 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	50947	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	188796	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	95053	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	157781	20.000	ng	0.00
76) Chrysene-d12	13.963	240	127189	20.000	ng	-0.01
86) Perylene-d12	15.445	264	97437	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	422597	136.872	ng	0.01
7) Phenol-d6	6.428	99	541881	122.980	ng	0.00
23) Nitrobenzene-d5	7.351	82	367089	87.053	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	128328	119.543	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	635001	91.835	ng	0.00
79) Terphenyl-d14	12.910	244	685190	73.236	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	49571	16.408	ng	# 76
25) Isophorone	7.351	82	367120	47.166	ng	# 67
50) Dimethylphthalate	9.822	163	18486	2.879	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	12417	9.068	ng	# 18
56) 4-Nitrophenol	10.028	139	238	8.703	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	12417	6.989	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.616	198	362	5.839	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	8570	4.940	ng	# 1
71) Phenanthrene	11.333	178	22492	2.723	ng	# 92
72) Anthracene	11.333	178	22492	2.612	ng	93
75) Fluoranthene	12.527	202	47529	5.499	ng	99
77) Benzidine	12.910	184	8897	3.906	ng	95
78) Pyrene	12.757	202	40041	3.276	ng	99
80) Butylbenzylphthalate	13.392	149	18086	5.784	ng	93
81) Benzo(a)anthracene	13.992	228	20493	2.275	ng	93
83) Chrysene	13.992	228	20493	2.314	ng	96
84) Bis(2-ethylhexyl)phtha...	13.963	149	498778	137.113	ng	99
85) Di-n-octyl phthalate	14.557	149	32114	5.552	ng	# 52
88) Benzo(b)fluoranthene	15.010	252	26548	4.430	ng	# 90
89) Benzo(k)fluoranthene	15.010	252	26548	4.188	ng	# 89

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

BNA F

ClientSampleId :

COMP-2

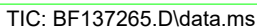
Quant Time: Feb 02 22:45:00 2024

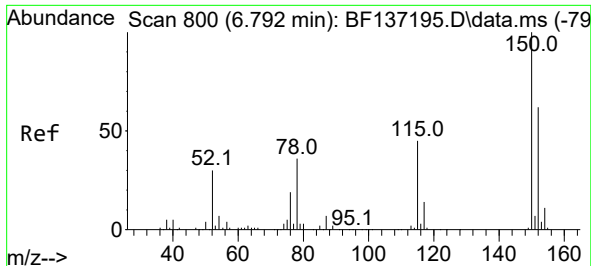
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 31 04:56:22 2024

Response via : Initial Calibration

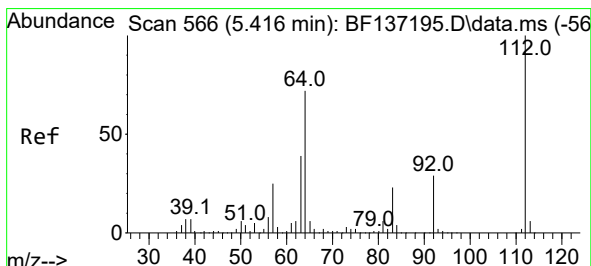
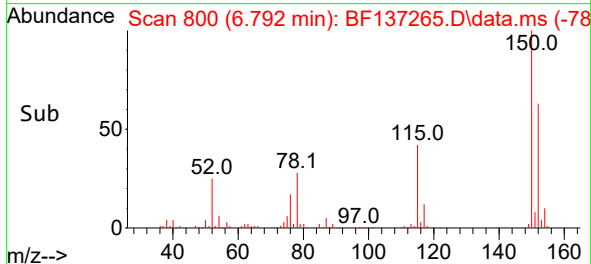
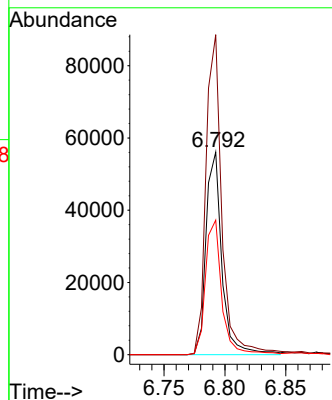
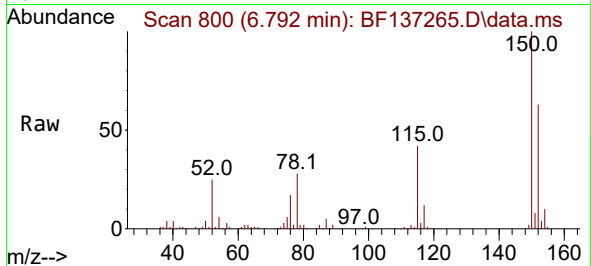




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: BF137265.D
 Acq: 02 Feb 2024 20:16

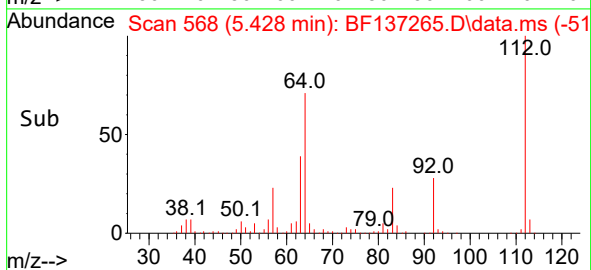
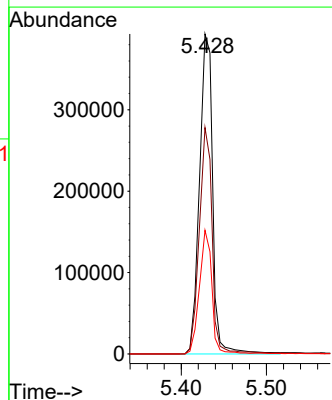
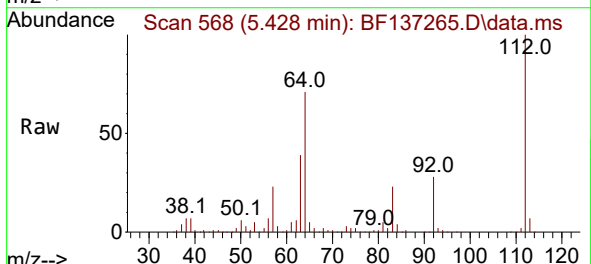
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

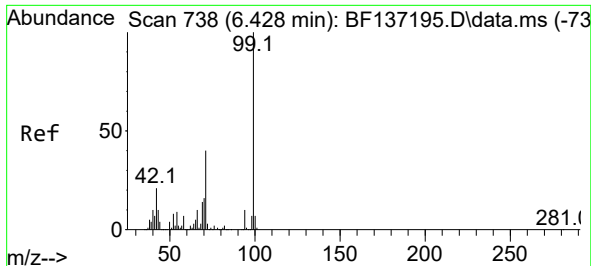
Tgt Ion:152 Resp: 50947
 Ion Ratio Lower Upper
 152 100
 150 158.0 129.8 194.8
 115 66.5 58.5 87.7



#5
 2-Fluorophenol
 Concen: 136.872 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.012 min
 Lab File: BF137265.D
 Acq: 02 Feb 2024 20:16

Tgt Ion:112 Resp: 422597
 Ion Ratio Lower Upper
 112 100
 64 70.7 57.8 86.6
 63 38.6 31.4 47.0

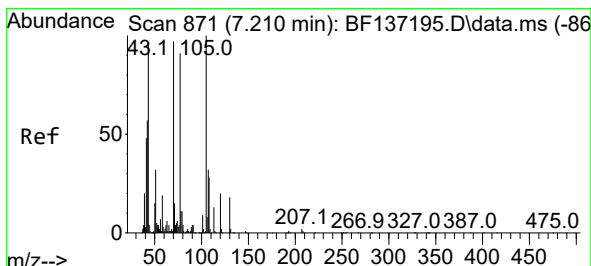
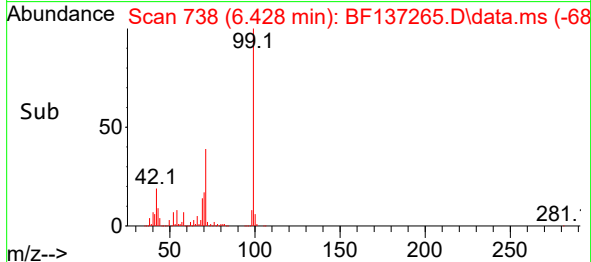
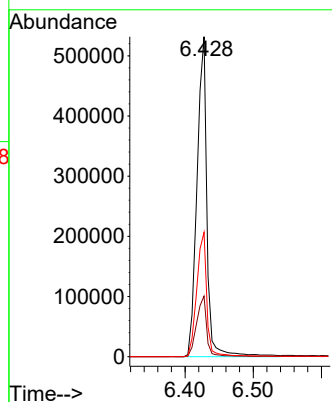
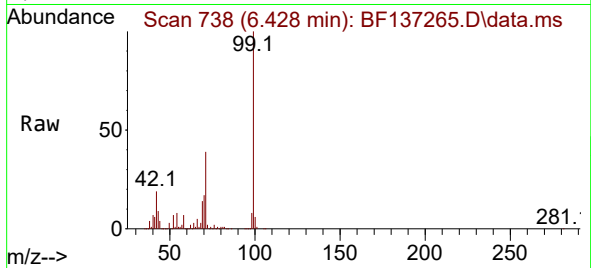




#7
Phenol-d6
Concen: 122.980 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

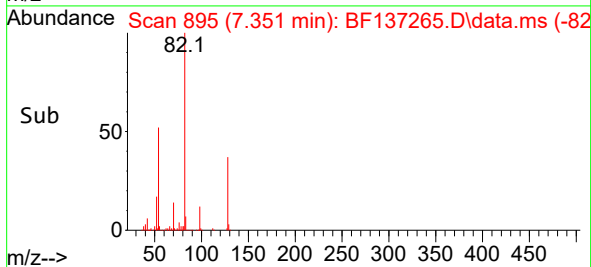
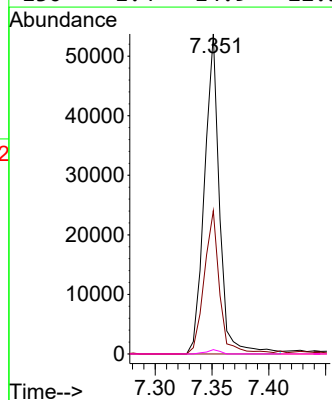
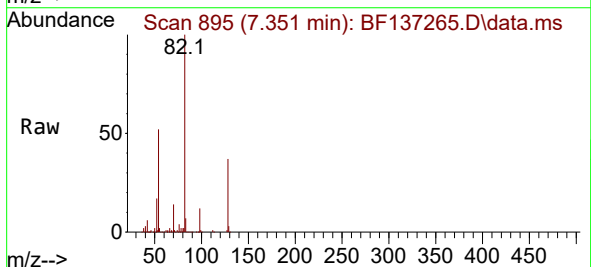
Instrument :
BNA_F
ClientSampleId :
COMP-2

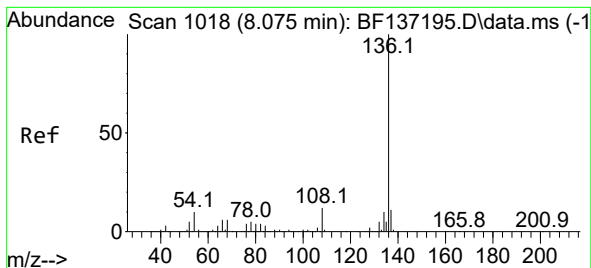
Tgt Ion: 99 Resp: 541881
Ion Ratio Lower Upper
99 100
42 18.9 16.4 24.6
71 38.8 32.4 48.6



#19
n-Nitroso-di-n-propylamine
Concen: 16.408 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion: 70 Resp: 49571
Ion Ratio Lower Upper
70 100
42 44.7 47.2 70.8#
101 0.0 7.4 11.0#
130 1.4 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: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:136 Resp: 188796

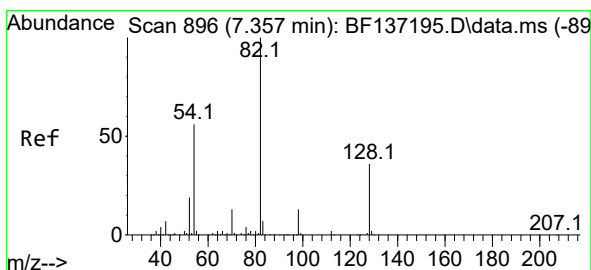
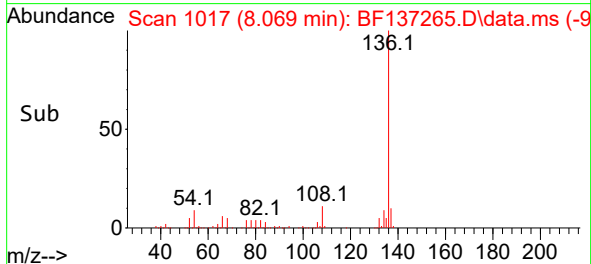
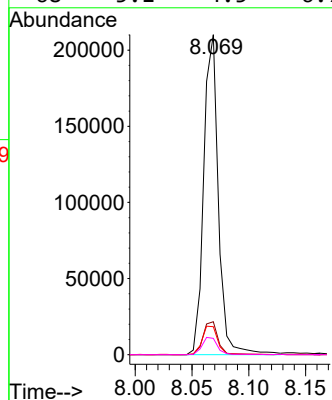
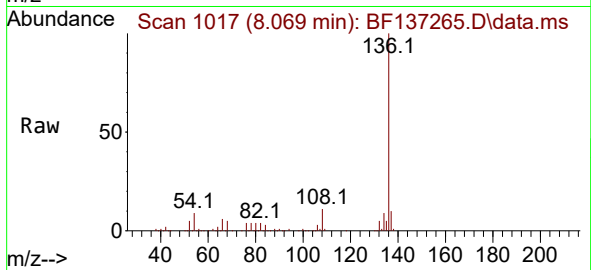
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 8.8 7.8 11.8

68 5.1 4.5 6.7



#23

Nitrobenzene-d5

Concen: 87.053 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

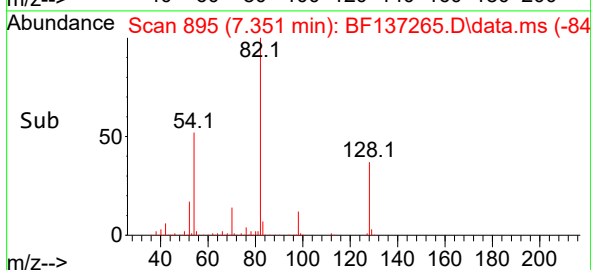
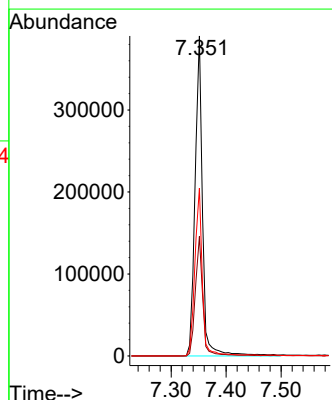
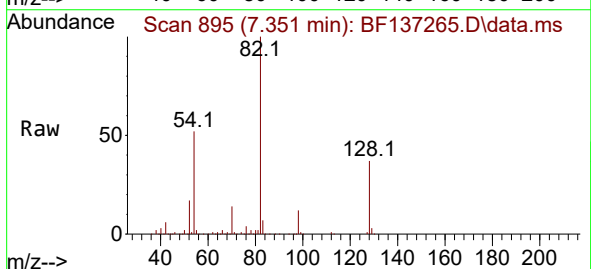
Tgt Ion: 82 Resp: 367089

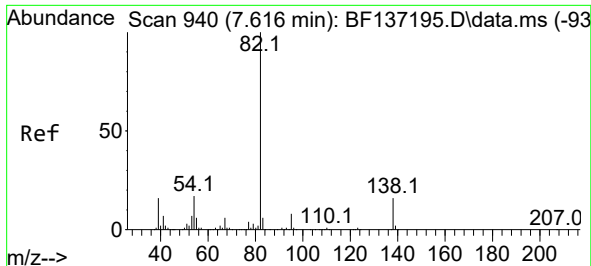
Ion Ratio Lower Upper

82 100

128 37.4 29.1 43.7

54 52.5 45.0 67.6

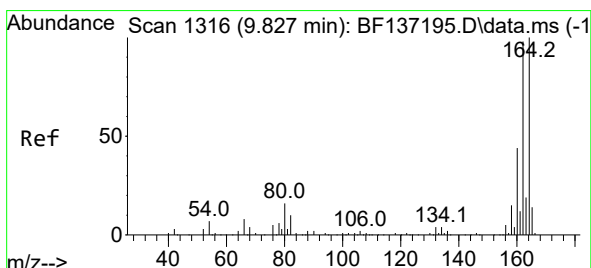
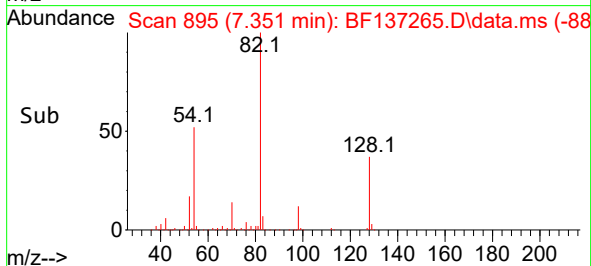
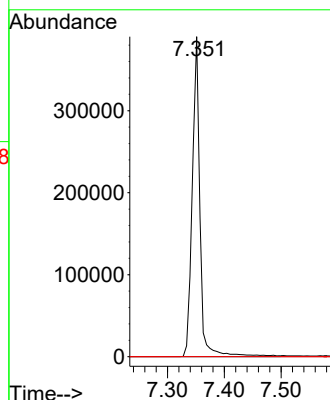
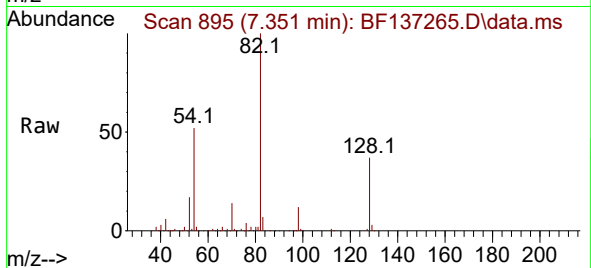




#25
Isophorone
Concen: 47.166 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

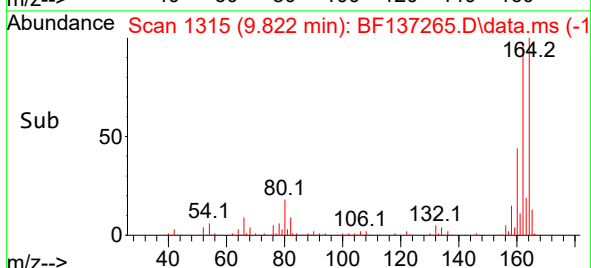
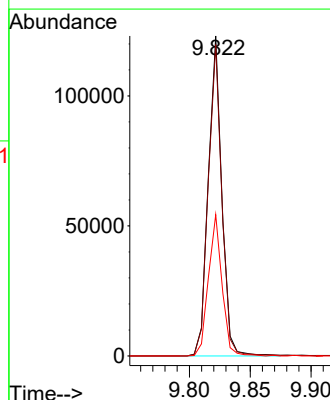
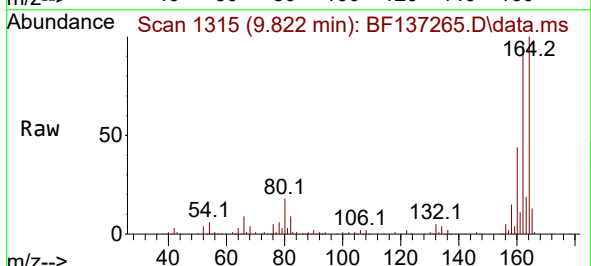
Instrument :
BNA_F
ClientSampleId :
COMP-2

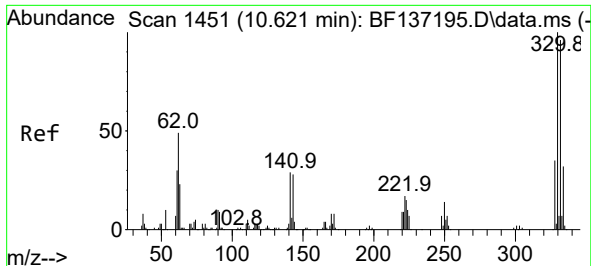
Tgt Ion: 82 Resp: 367120
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion: 164 Resp: 95053
Ion Ratio Lower Upper
164 100
162 97.3 78.3 117.5
160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 119.543 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

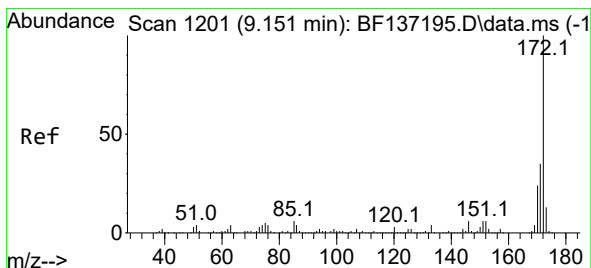
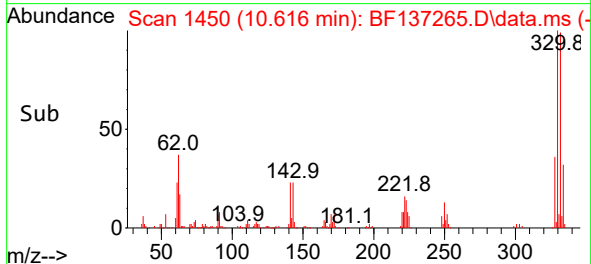
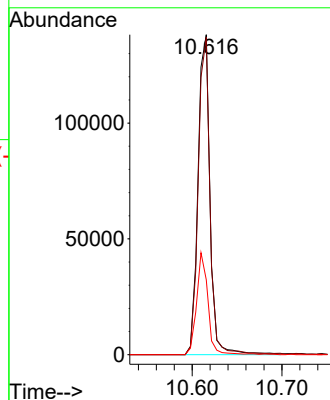
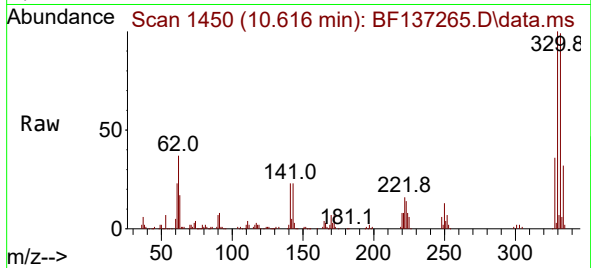
Tgt Ion:330 Resp: 128328

Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 30.2 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 91.835 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

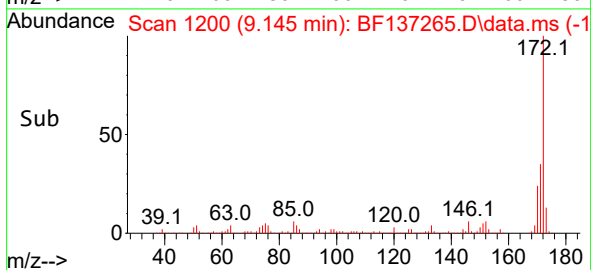
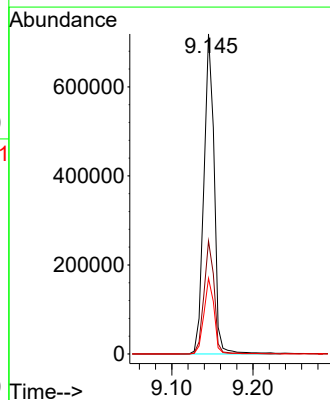
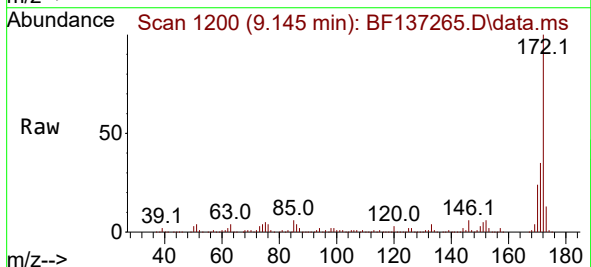
Tgt Ion:172 Resp: 635001

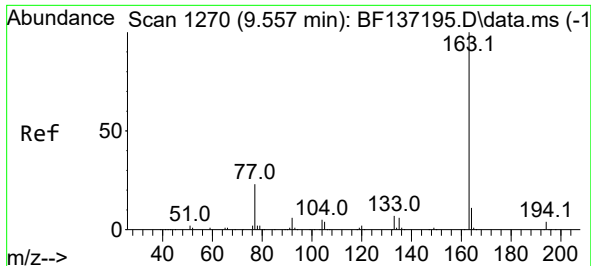
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.6 19.1 28.7

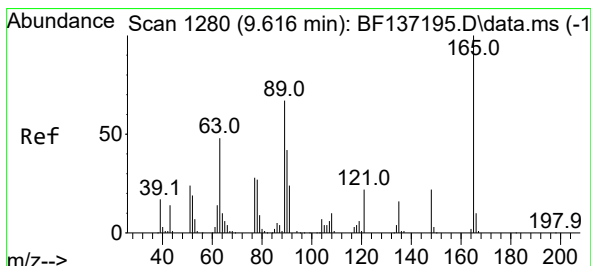
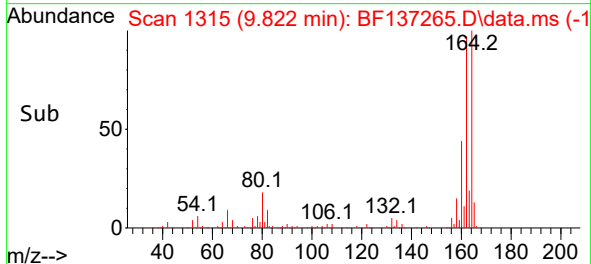
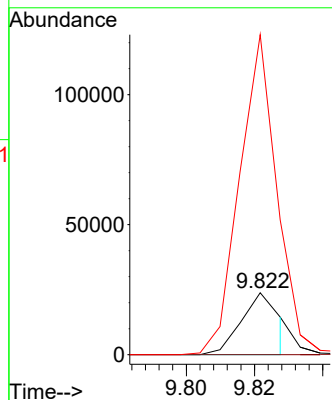
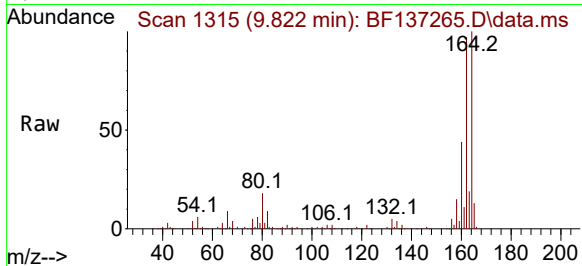




#50
Dimethylphthalate
Concen: 2.879 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

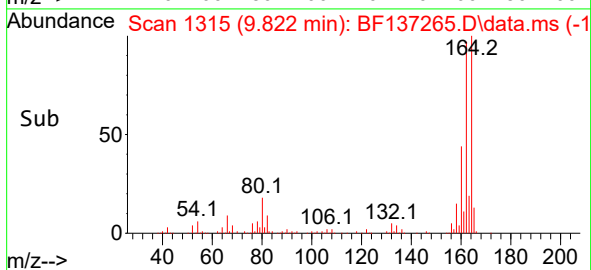
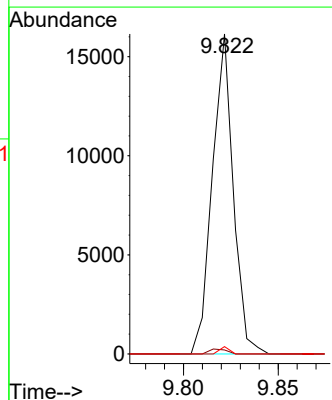
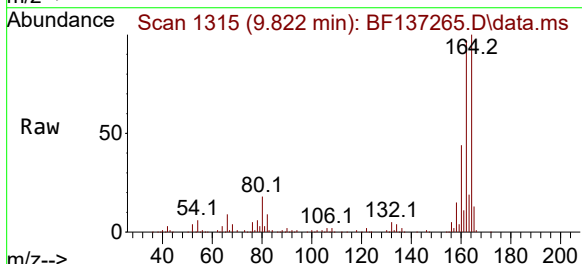
Instrument :
BNA_F
ClientSampleId :
COMP-2

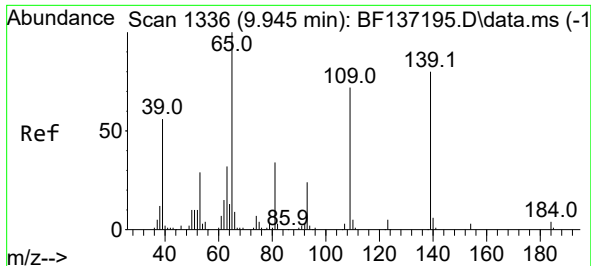
Tgt Ion:163 Resp: 18486
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 516.3 8.6 13.0#



#51
2,6-Dinitrotoluene
Concen: 9.068 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.206 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion:165 Resp: 12417
Ion Ratio Lower Upper
165 100
63 1.3 55.1 82.7#
89 2.3 53.5 80.3#

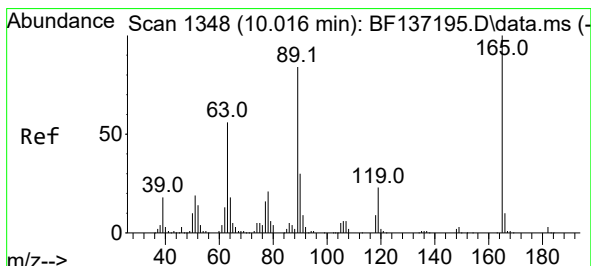
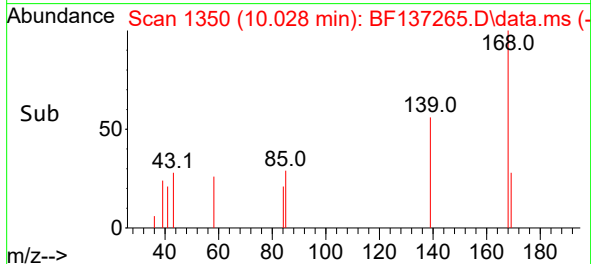
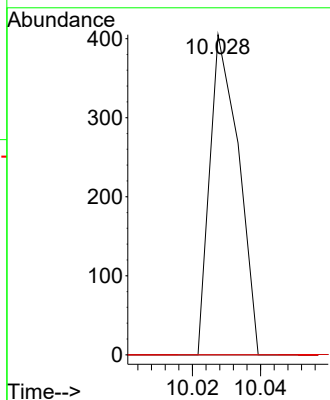
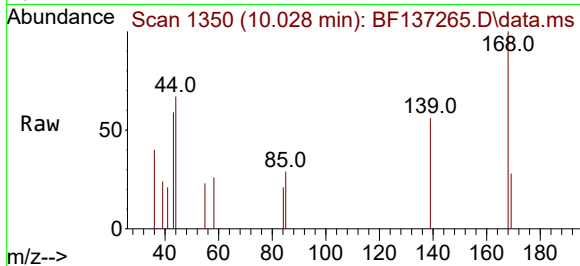




#56
4-Nitrophenol
Concen: 8.703 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

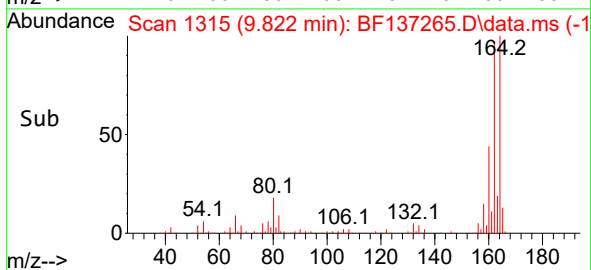
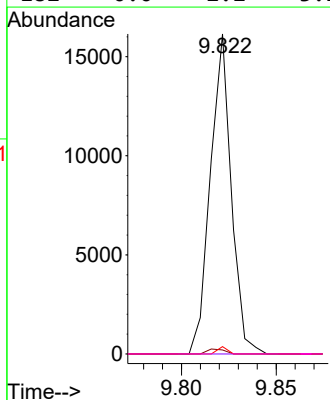
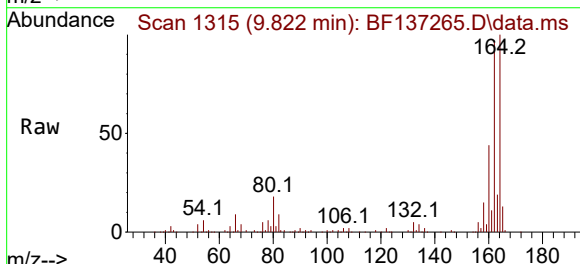
Instrument :
BNA_F
ClientSampleId :
COMP-2

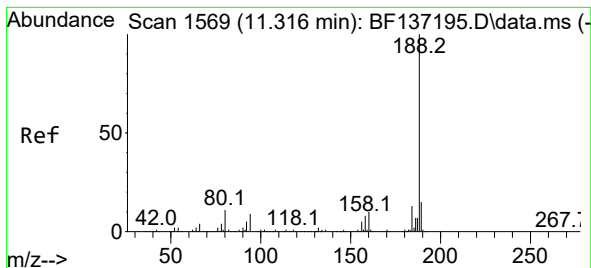
Tgt Ion:139 Resp: 238
Ion Ratio Lower Upper
139 100
109 0.0 70.4 110.4#
65 0.0 107.6 147.6#



#57
2,4-Dinitrotoluene
Concen: 6.989 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion:165 Resp: 12417
Ion Ratio Lower Upper
165 100
63 1.3 46.1 69.1#
89 2.3 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: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

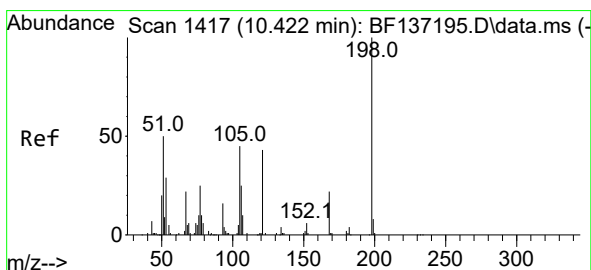
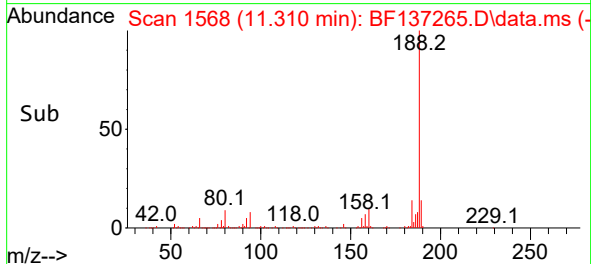
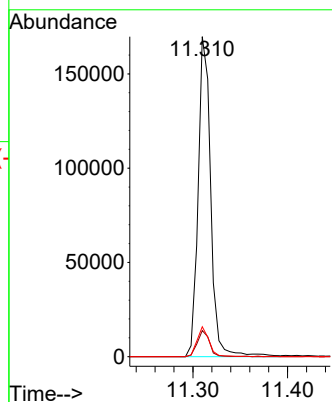
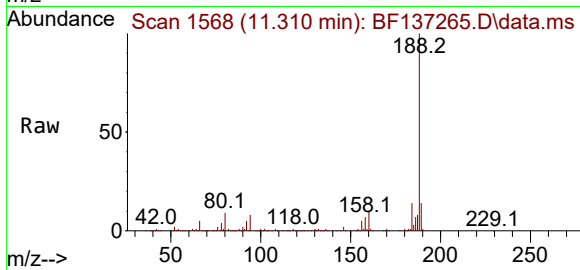
Tgt Ion:188 Resp: 157781

Ion Ratio Lower Upper

188 100

94 8.2 7.0 10.4

80 9.4 8.8 13.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.839 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.194 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

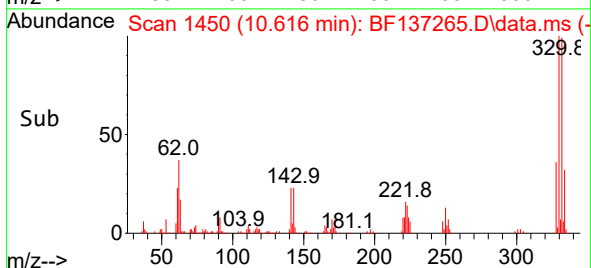
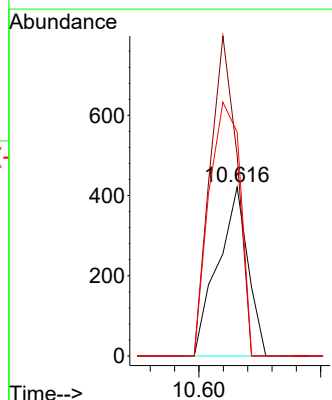
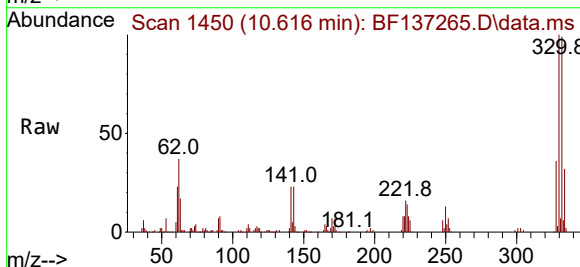
Tgt Ion:198 Resp: 362

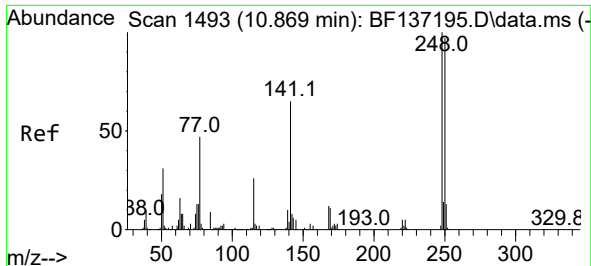
Ion Ratio Lower Upper

198 100

51 118.8 40.9 80.9#

105 132.5 26.5 66.5#

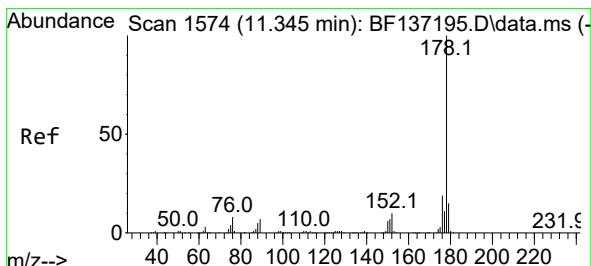
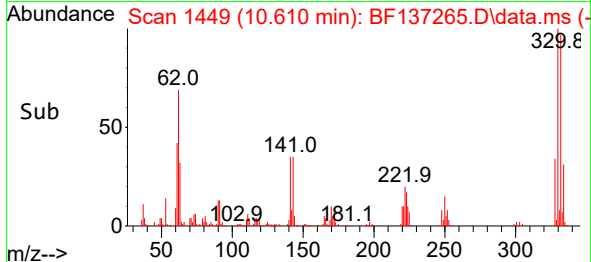
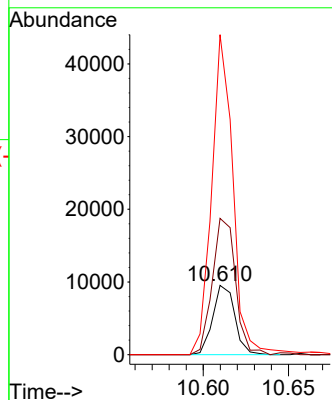
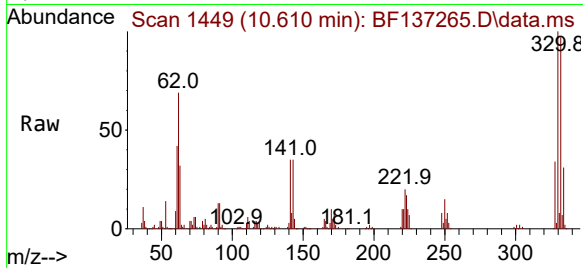




#67
4-Bromophenyl-phenylether
Concen: 4.940 ng
RT: 10.610 min Scan# 1493
Delta R.T. -0.259 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

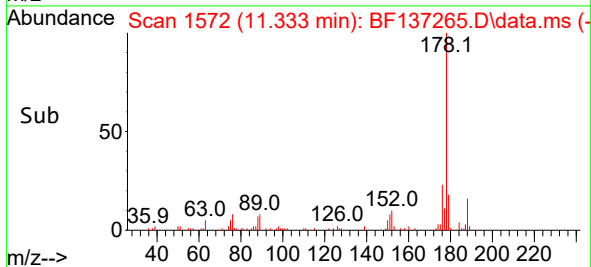
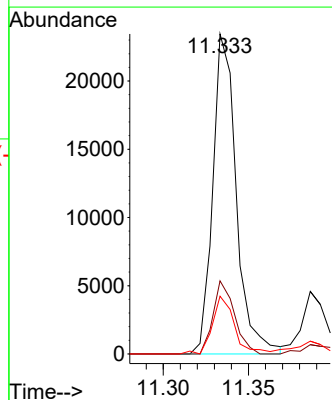
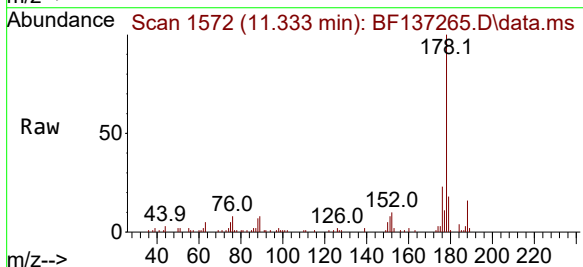
Instrument :
BNA_F
ClientSampleId :
COMP-2

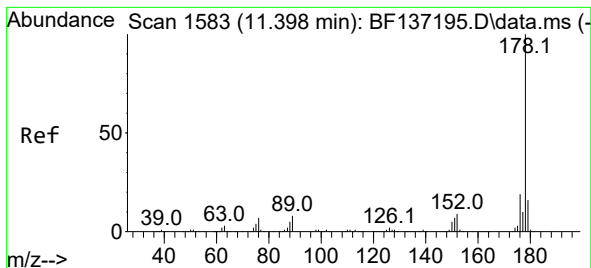
Tgt Ion:248 Resp: 8570
Ion Ratio Lower Upper
248 100
250 196.7 77.7 116.5#
141 462.0 51.6 77.4#



#71
Phenanthrene
Concen: 2.723 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion:178 Resp: 22492
Ion Ratio Lower Upper
178 100
176 22.8 15.1 22.7#
179 18.1 12.1 18.1





#72

Anthracene

Concen: 2.612 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

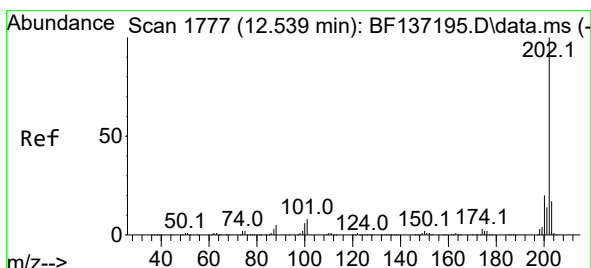
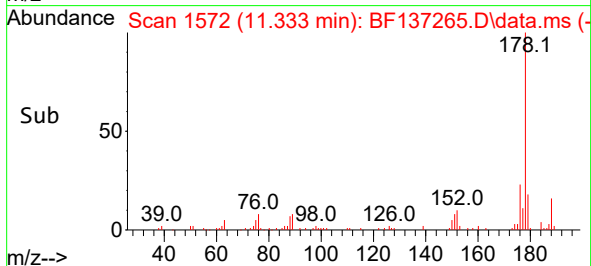
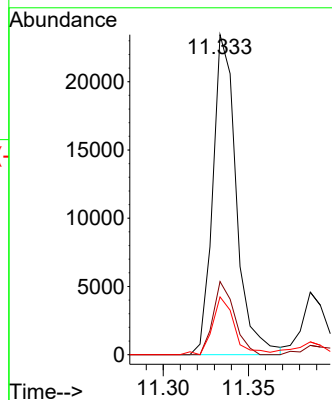
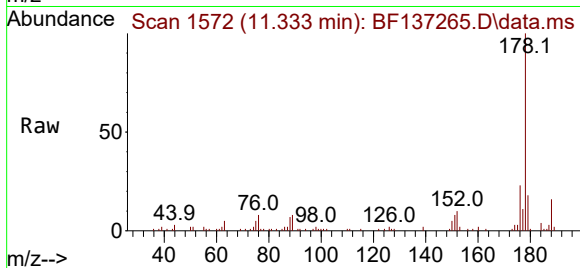
Tgt Ion:178 Resp: 22492

Ion Ratio Lower Upper

178 100

176 22.8 15.3 22.9

179 18.1 12.7 19.1



#75

Fluoranthene

Concen: 5.499 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

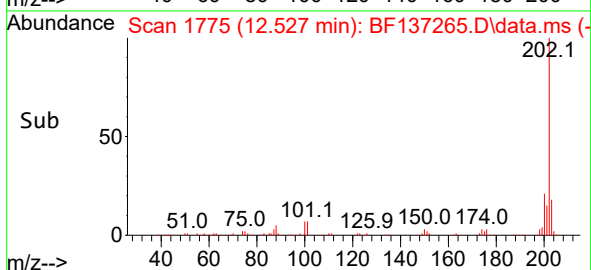
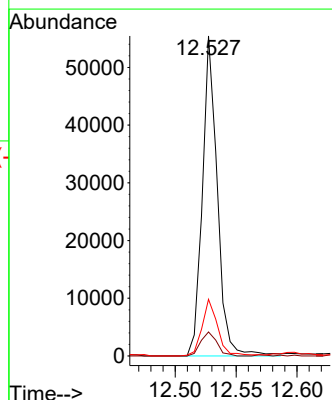
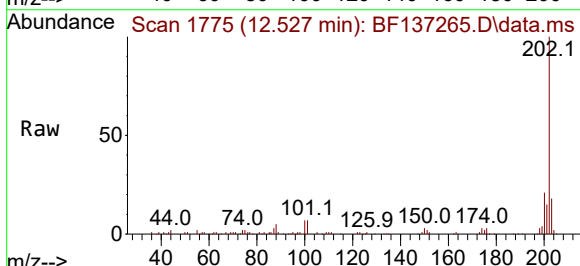
Tgt Ion:202 Resp: 47529

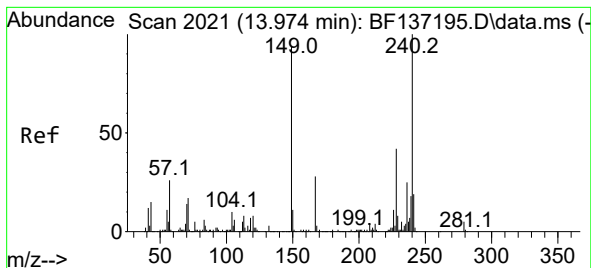
Ion Ratio Lower Upper

202 100

101 7.5 0.0 28.4

203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

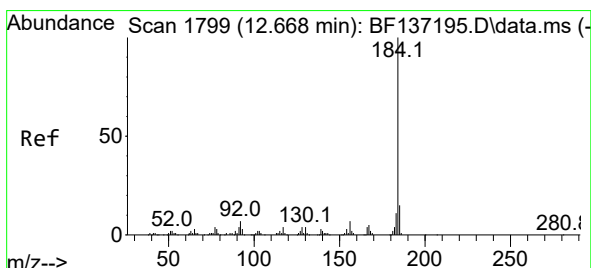
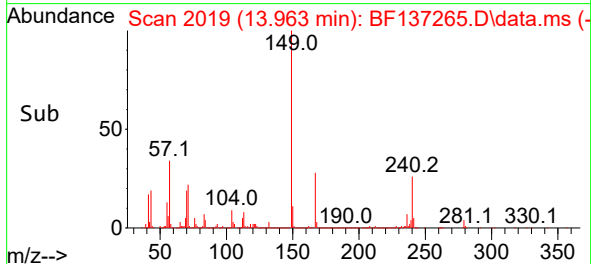
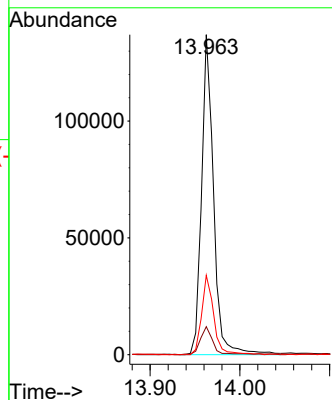
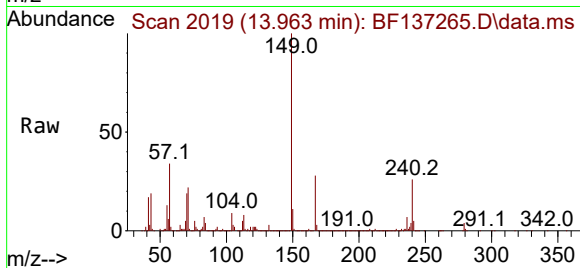
Tgt Ion:240 Resp: 127189

Ion Ratio Lower Upper

240 100

120 8.8 6.3 9.5

236 24.8 20.3 30.5



#77

Benzidine

Concen: 3.906 ng

RT: 12.910 min Scan# 1840

Delta R.T. 0.242 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

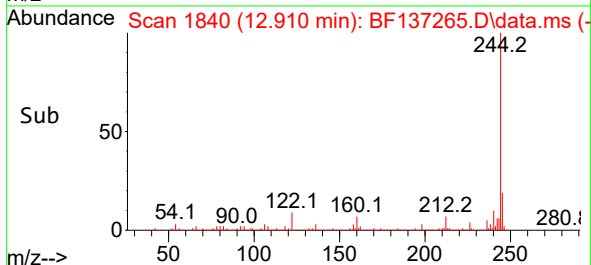
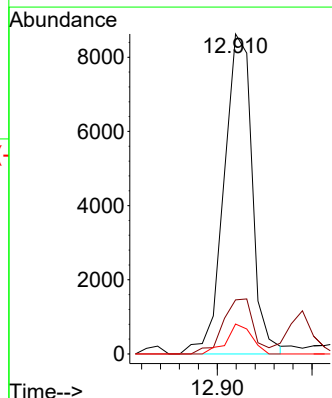
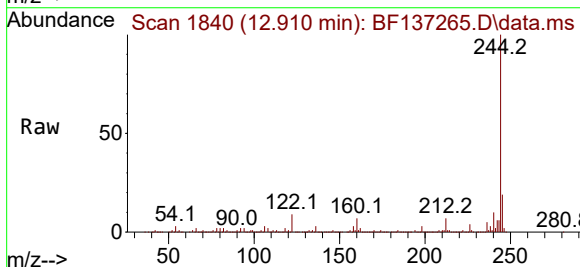
Tgt Ion:184 Resp: 8897

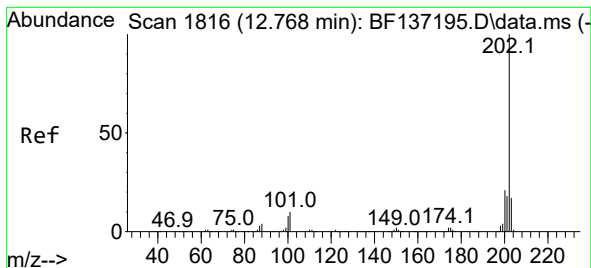
Ion Ratio Lower Upper

184 100

185 16.9 11.9 17.9

183 9.3 8.8 13.2





#78

Pyrene

Concen: 3.276 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

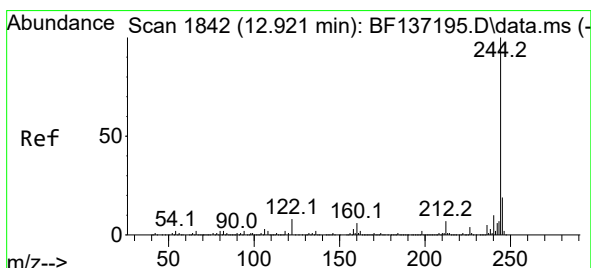
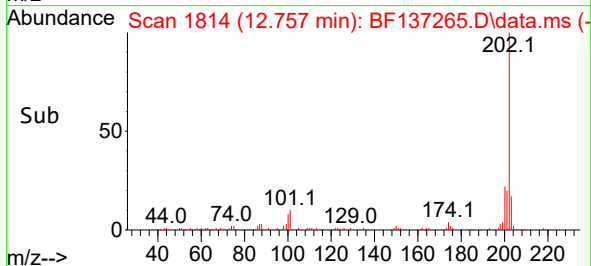
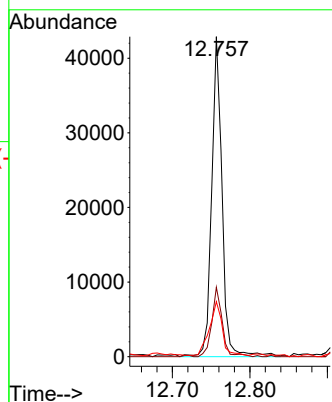
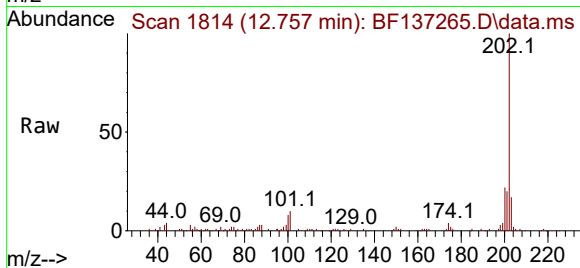
Tgt Ion:202 Resp: 40041

Ion Ratio Lower Upper

202 100

200 21.7 16.5 24.7

203 17.2 13.8 20.6



#79

Terphenyl-d14

Concen: 73.236 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

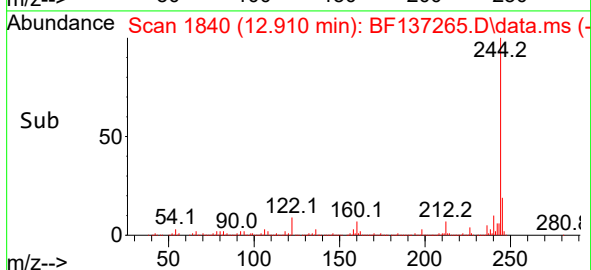
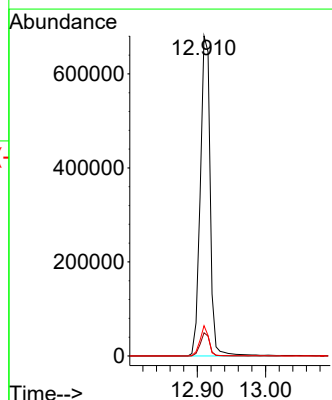
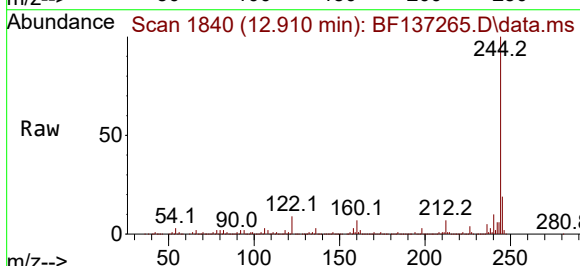
Tgt Ion:244 Resp: 685190

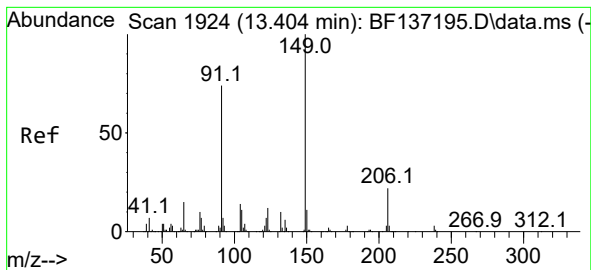
Ion Ratio Lower Upper

244 100

212 7.3 5.5 8.3

122 9.4 6.2 9.4#





#80

Butylbenzylphthalate

Concen: 5.784 ng

RT: 13.392 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

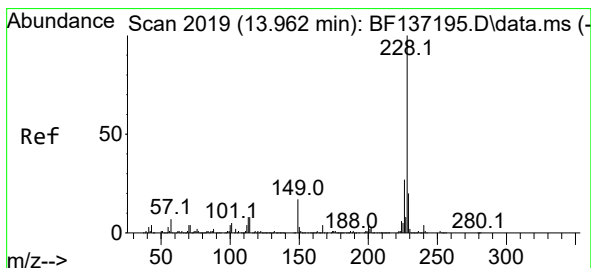
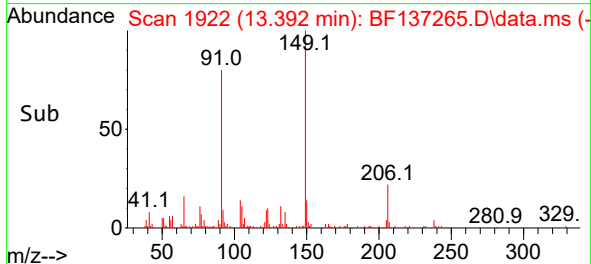
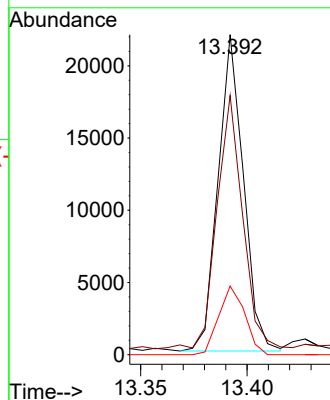
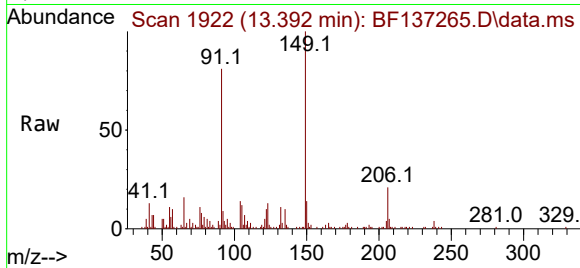
Tgt Ion:149 Resp: 18086

Ion Ratio Lower Upper

149 100

91 81.0 58.8 88.2

206 21.4 17.7 26.5



#81

Benzo(a)anthracene

Concen: 2.275 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.029 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

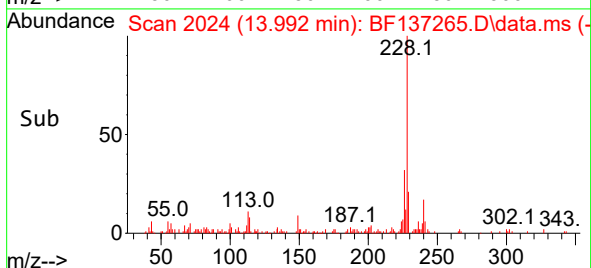
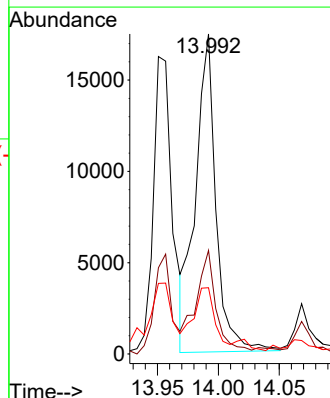
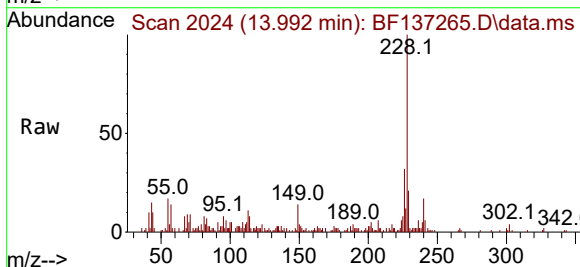
Tgt Ion:228 Resp: 20493

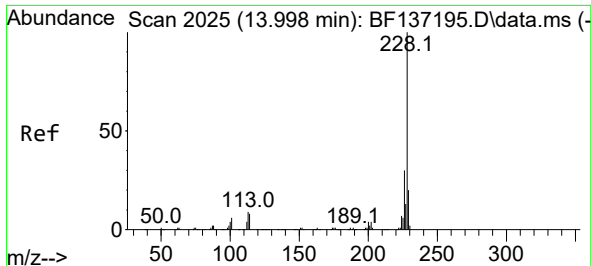
Ion Ratio Lower Upper

228 100

226 32.3 21.6 32.4

229 20.7 15.8 23.6

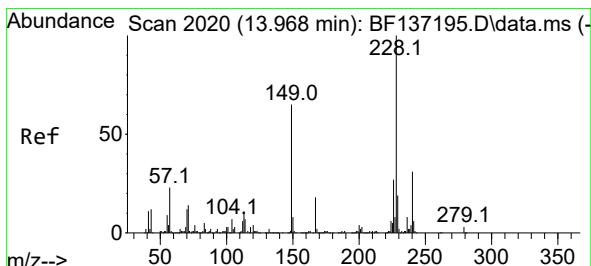
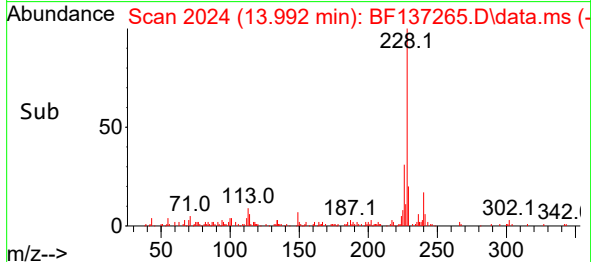
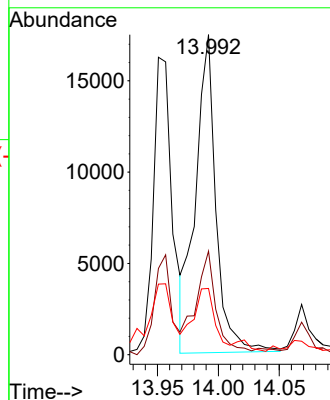
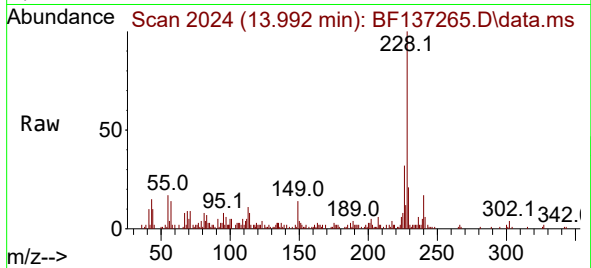




#83
Chrysene
Concen: 2.314 ng
RT: 13.992 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

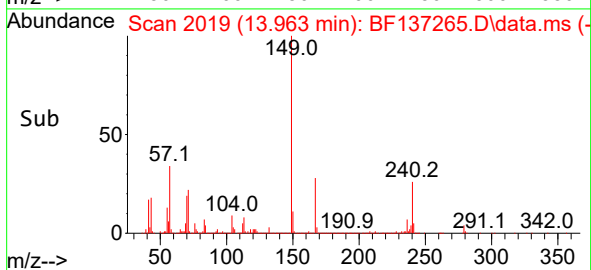
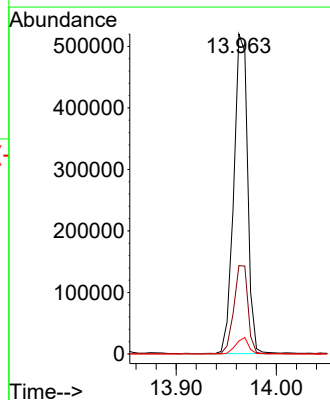
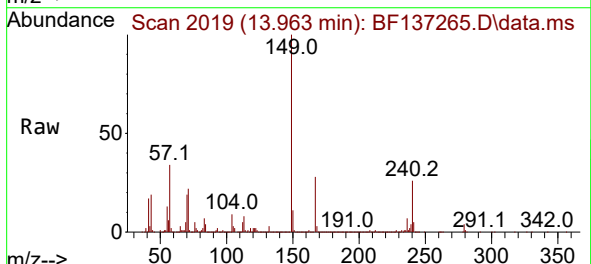
Instrument :
BNA_F
ClientSampleId :
COMP-2

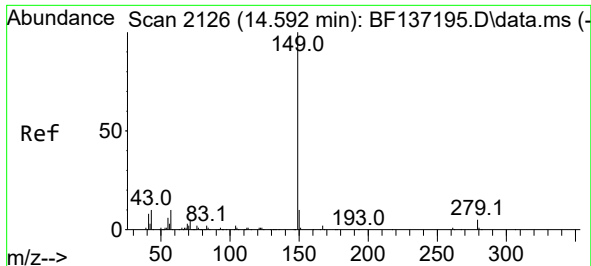
Tgt Ion:228 Resp: 20493
Ion Ratio Lower Upper
228 100
226 32.3 23.7 35.5
229 20.7 15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 137.113 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion:149 Resp: 498778
Ion Ratio Lower Upper
149 100
167 27.6 21.7 32.5
279 4.0 3.4 5.0

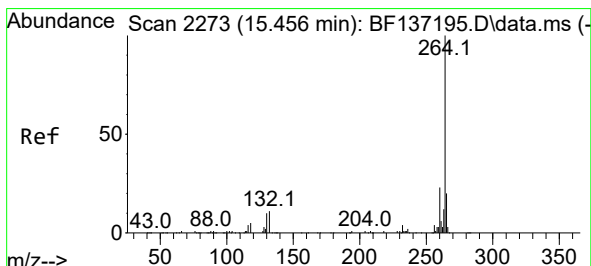
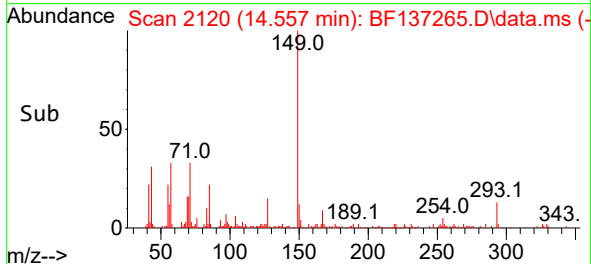
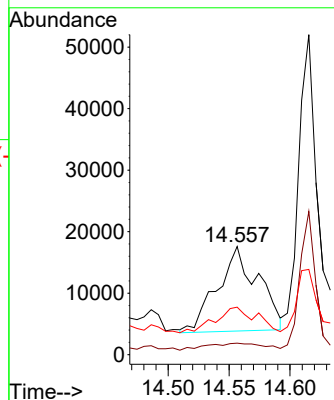
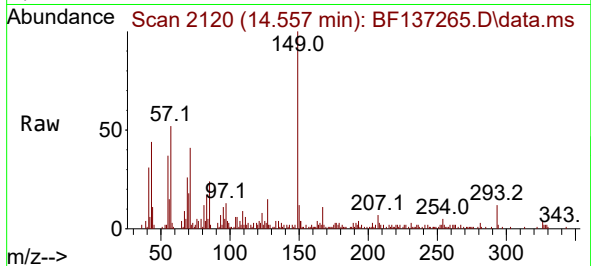




#85
Di-n-octyl phthalate
Concen: 5.552 ng
RT: 14.557 min Scan# 2126
Delta R.T. -0.035 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

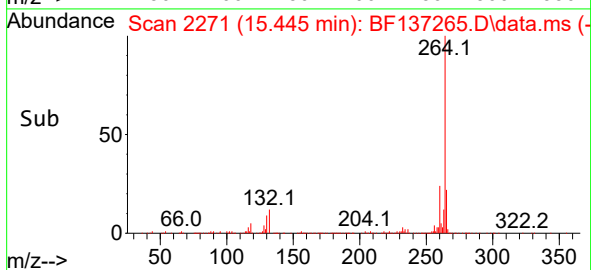
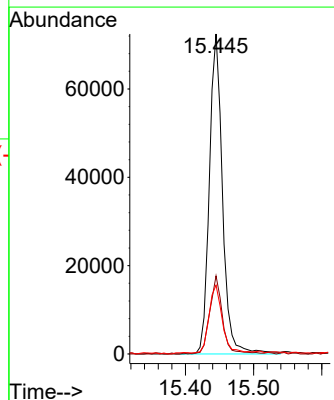
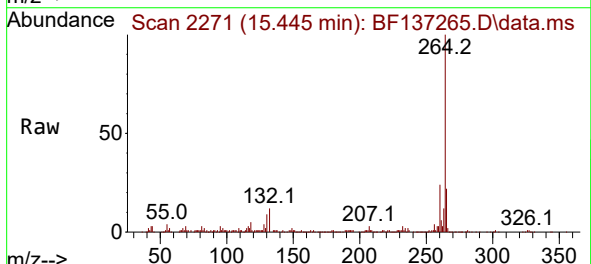
Instrument :
BNA_F
ClientSampleId :
COMP-2

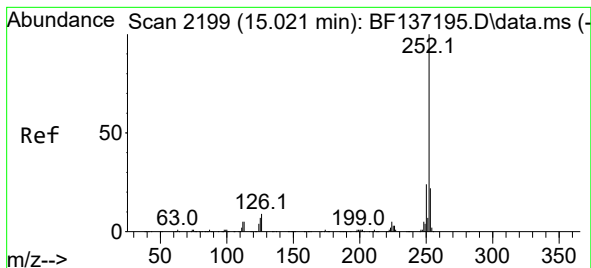
Tgt Ion:149 Resp: 32114
Ion Ratio Lower Upper
149 100
167 13.5 1.4 2.0#
43 30.5 9.0 13.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF137265.D
Acq: 02 Feb 2024 20:16

Tgt Ion:264 Resp: 97437
Ion Ratio Lower Upper
264 100
260 24.4 18.2 27.4
265 21.5 16.2 24.2





#88

Benzo(b)fluoranthene

Concen: 4.430 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Instrument :

BNA_F

ClientSampleId :

COMP-2

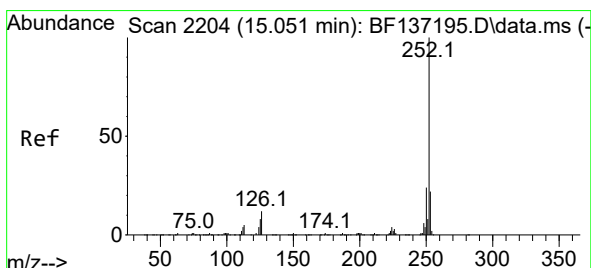
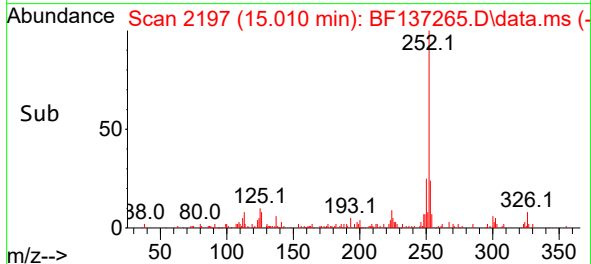
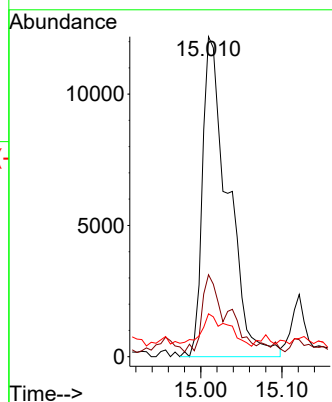
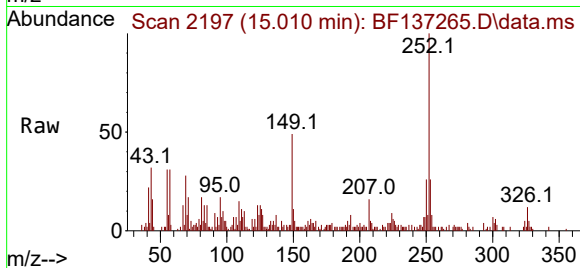
Tgt Ion:252 Resp: 26548

Ion Ratio Lower Upper

252 100

253 25.6 17.9 26.9

125 13.4 5.4 8.2#



#89

Benzo(k)fluoranthene

Concen: 4.188 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF137265.D

Acq: 02 Feb 2024 20:16

Tgt Ion:252 Resp: 26548

Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.6#

125 13.4 5.9 8.9#

