

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)

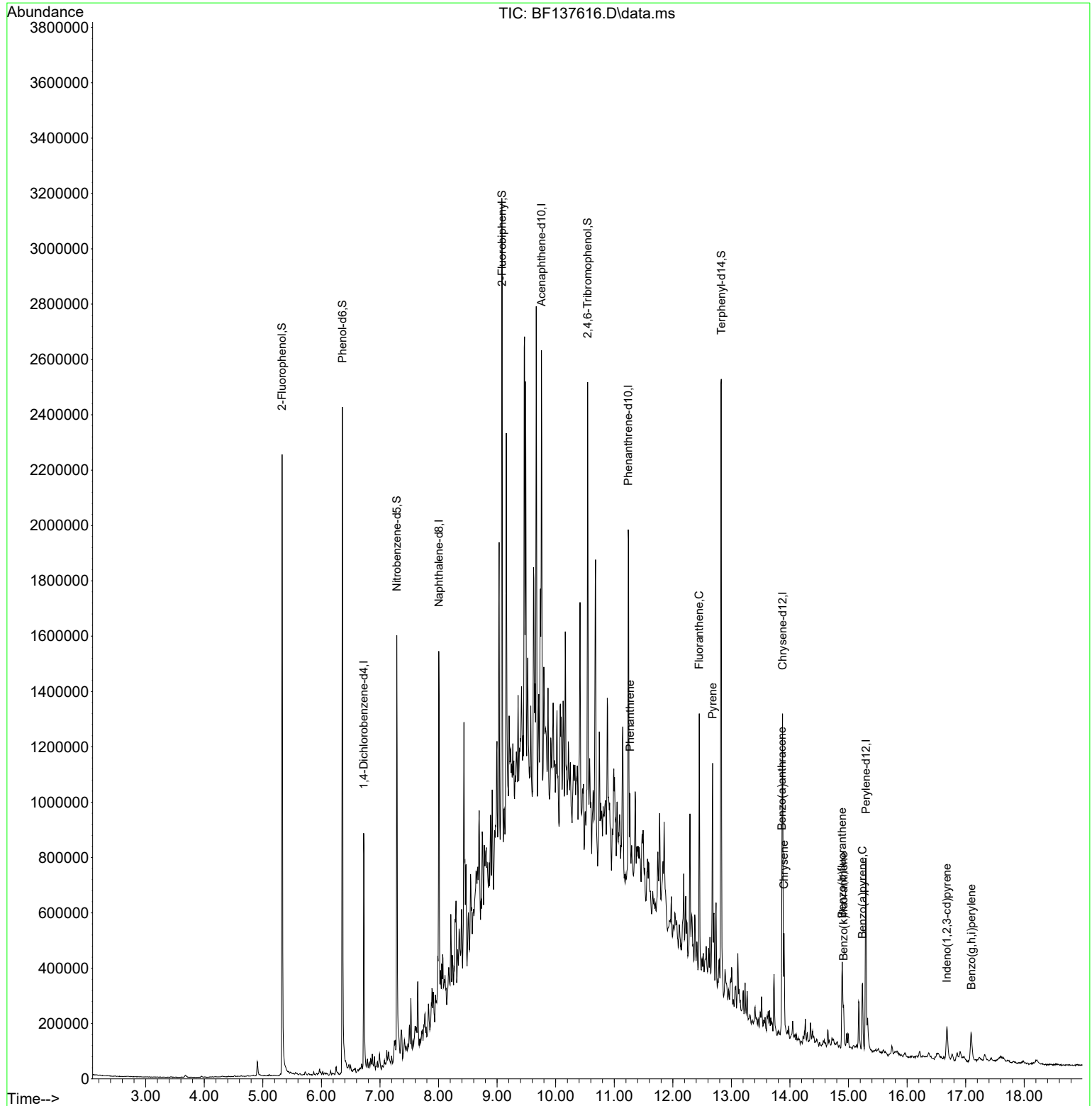
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	135768	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	526616	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	284761	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	505611	20.000	ng	0.00
76) Chrysene-d12	13.874	240	330817	20.000	ng	0.00
86) Perylene-d12	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						
						Qvalue
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
87) Indeno(1,2,3-cd)pyrene	16.680	276	77422	3.632	ng	93
88) Benzo(b)fluoranthene	14.892	252	172321m	8.994	ng	
89) Benzo(k)fluoranthene	14.916	252	56911m	2.765	ng	
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

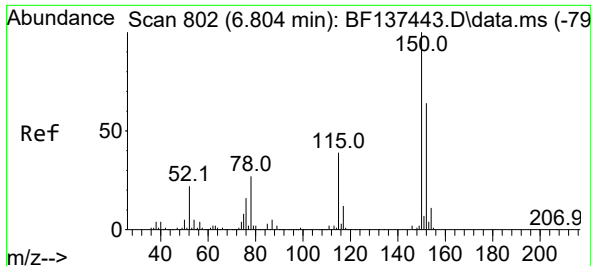
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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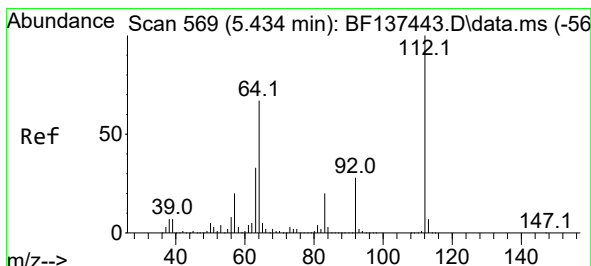
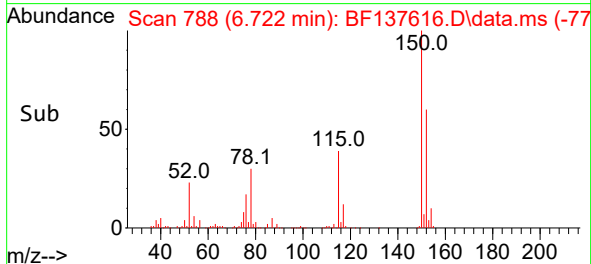
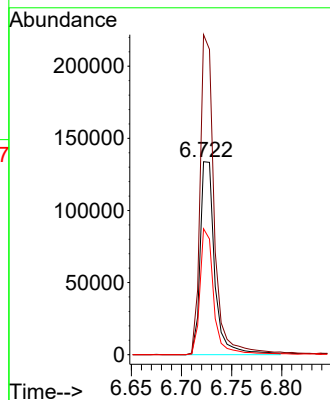
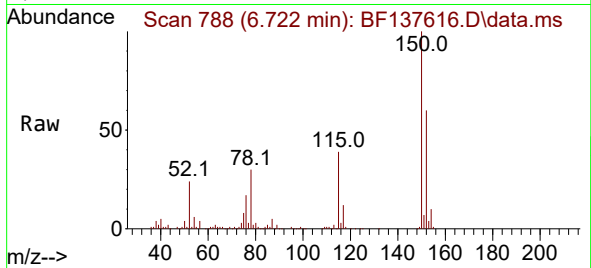




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

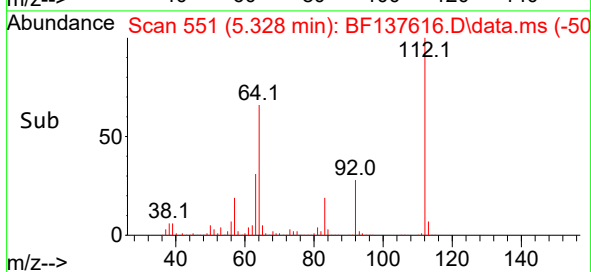
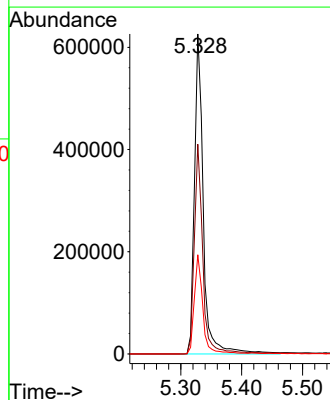
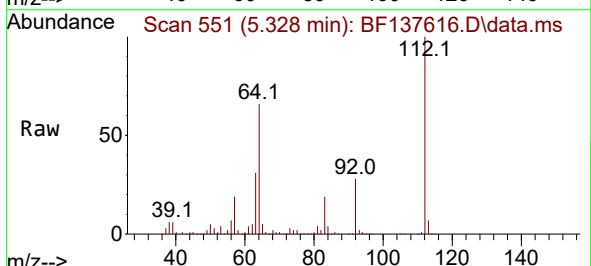
Instrument :
BNA_F
ClientSampleId :
COMP-1

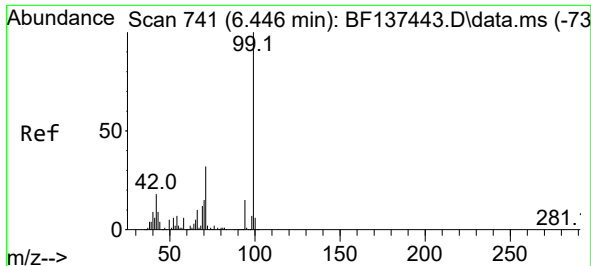
Tgt Ion:152 Resp: 135768
Ion Ratio Lower Upper
152 100
150 165.8 125.8 188.6
115 65.2 48.8 73.2



#5
2-Fluorophenol
Concen: 70.961 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

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

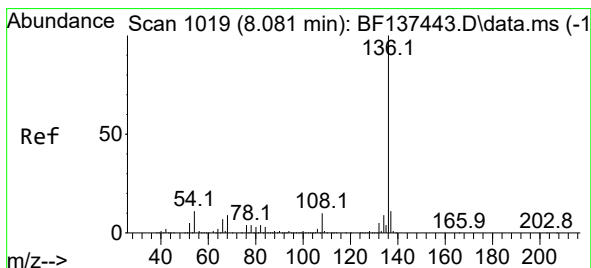
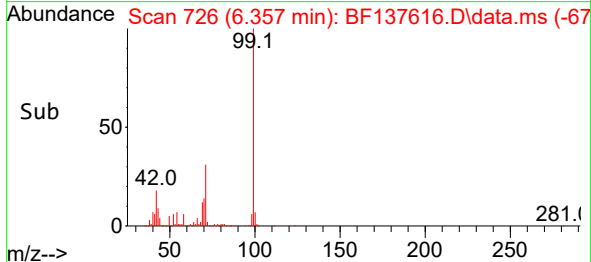
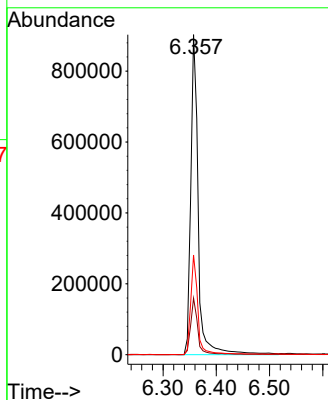
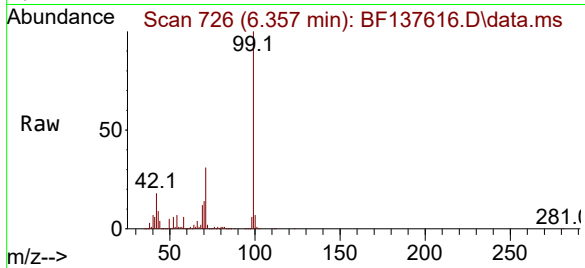




#7
Phenol-d6
Concen: 68.149 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

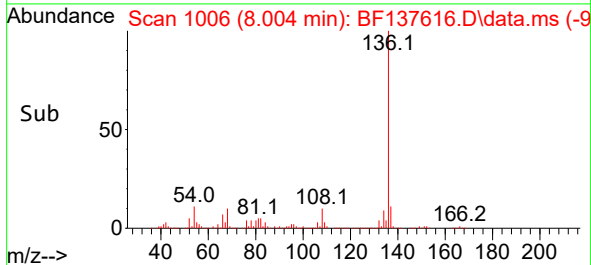
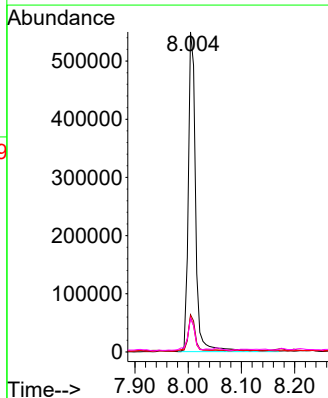
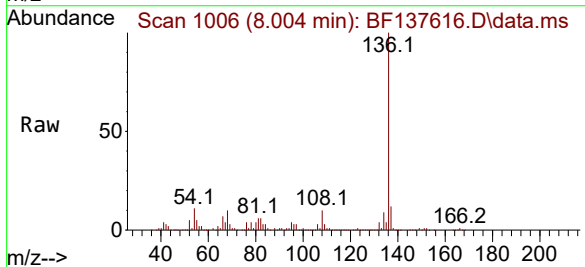
Instrument :
BNA_F
ClientSampleId :
COMP-1

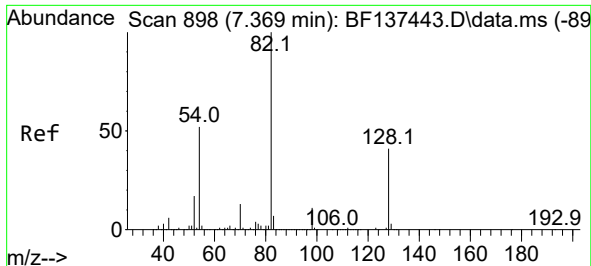
Tgt Ion: 99 Resp: 881825
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 31.2 25.3 37.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

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

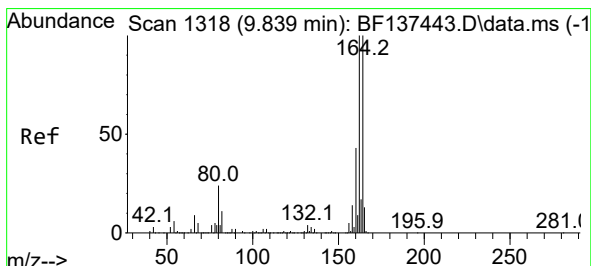
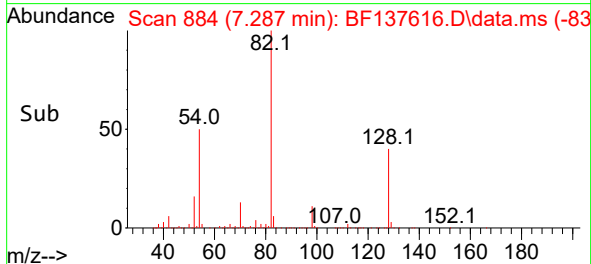
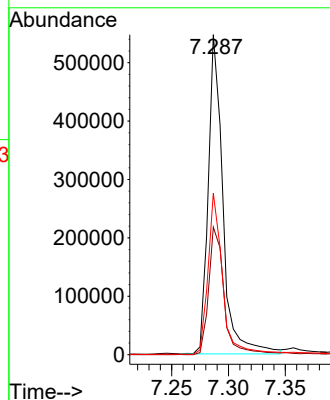
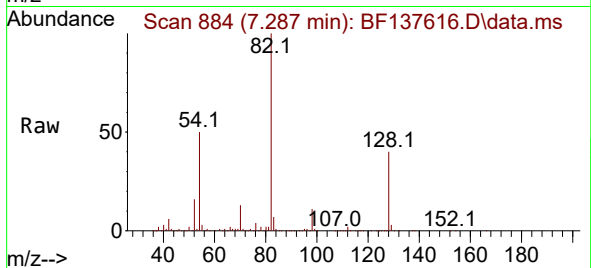




#23
Nitrobenzene-d5
Concen: 43.249 ng
RT: 7.287 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

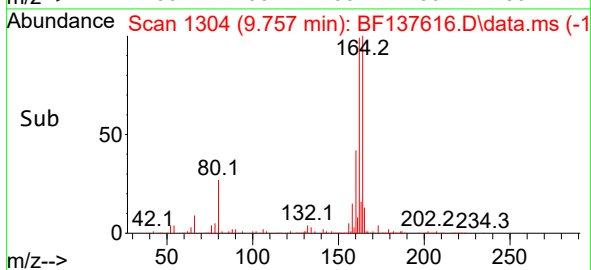
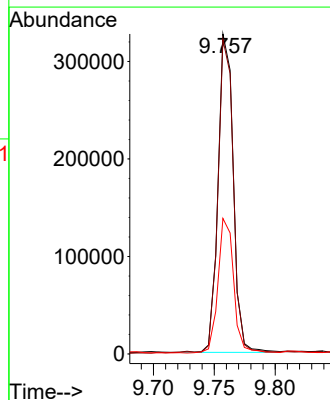
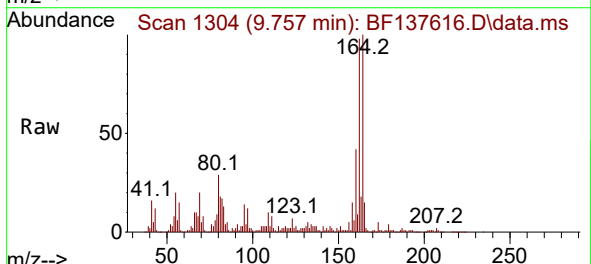
Instrument :
BNA_F
ClientSampleId :
COMP-1

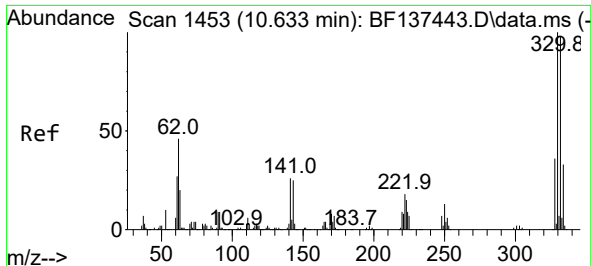
Tgt Ion: 82 Resp: 490180
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 50.4 41.5 62.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

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# 1453

Delta R.T. -0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

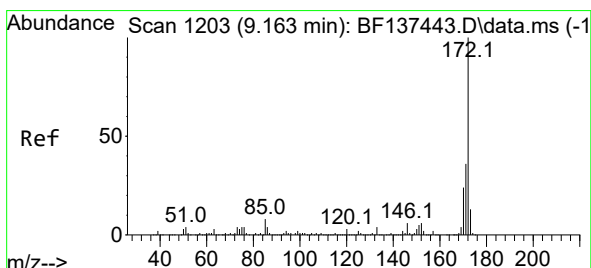
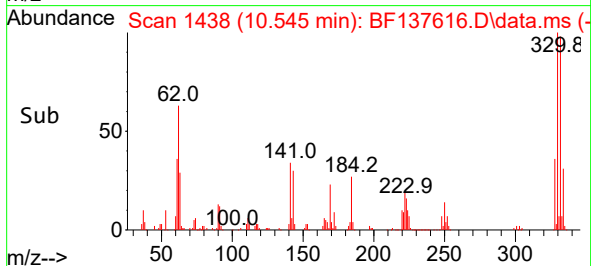
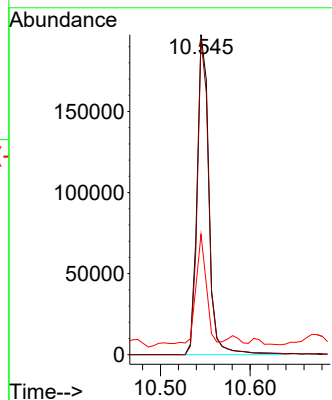
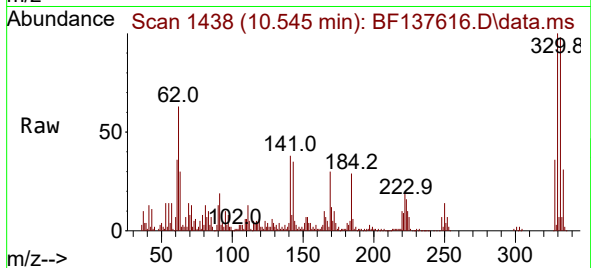
Tgt Ion:330 Resp: 182135

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

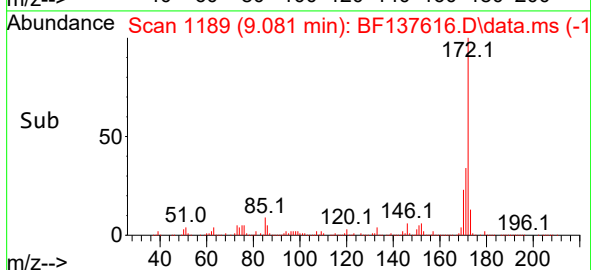
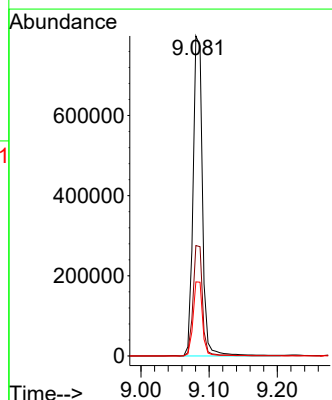
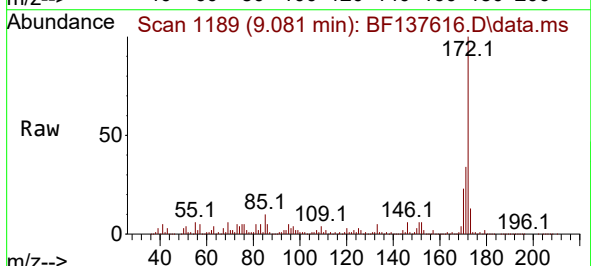
Tgt Ion:172 Resp: 756548

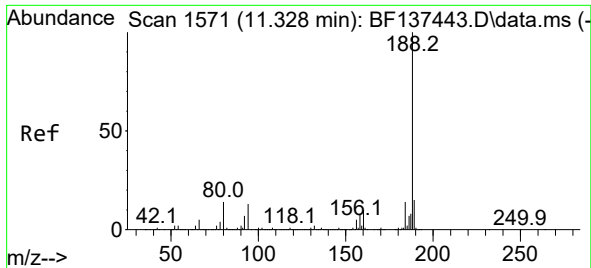
Ion Ratio Lower Upper

172 100

171 34.5 28.5 42.7

170 23.2 19.0 28.6

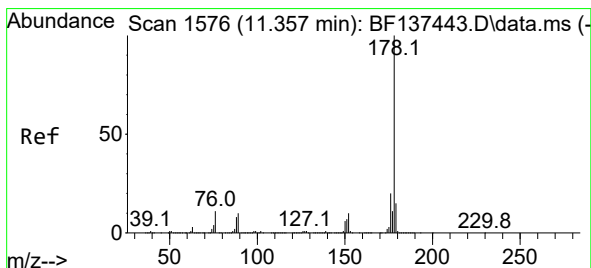
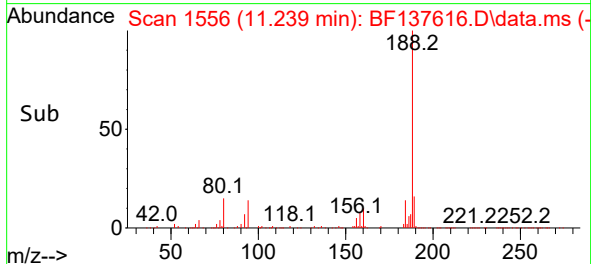
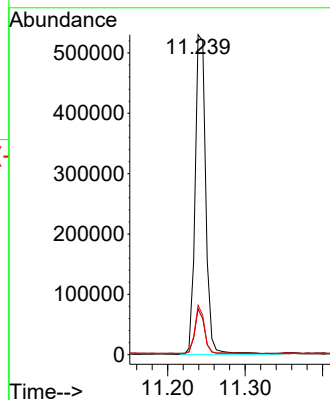
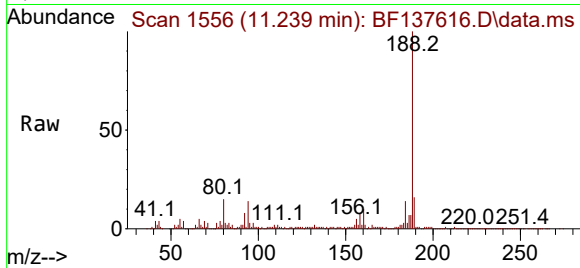




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

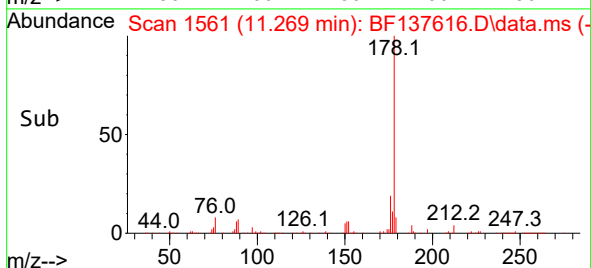
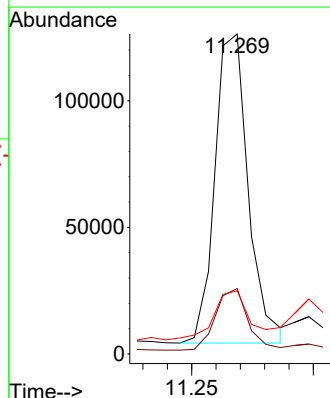
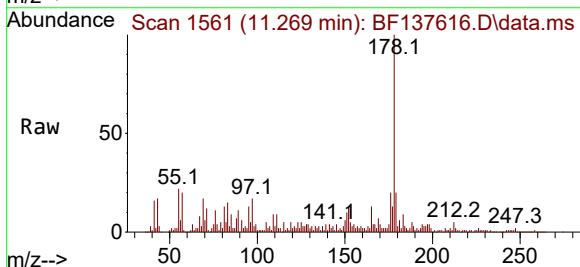
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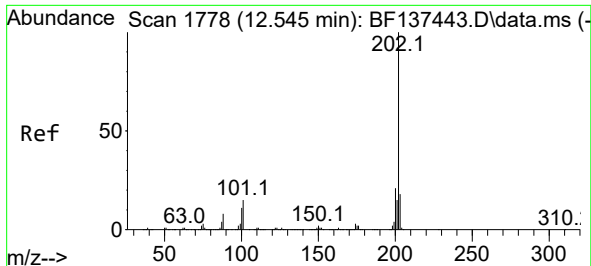
Tgt Ion:188 Resp: 505611
Ion Ratio Lower Upper
188 100
94 14.3 10.6 15.8
80 15.4 11.5 17.3



#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#

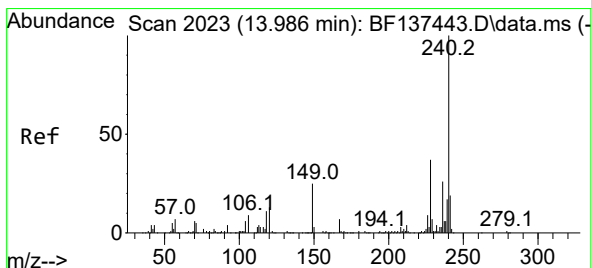
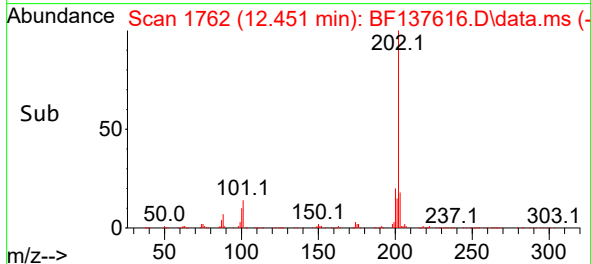
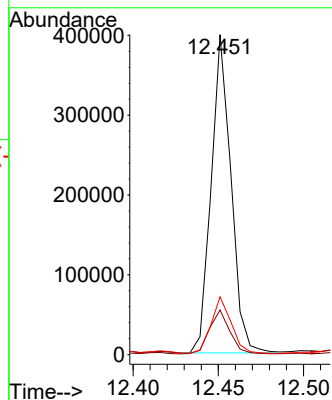
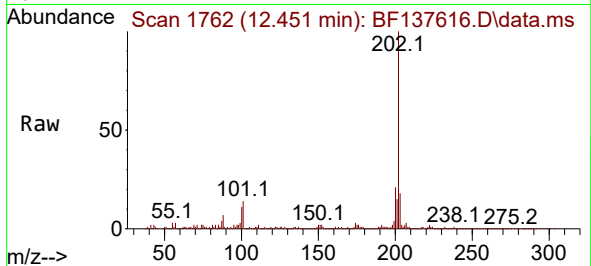




#75
Fluoranthene
Concen: 12.016 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

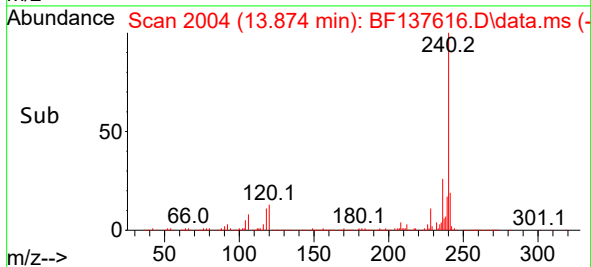
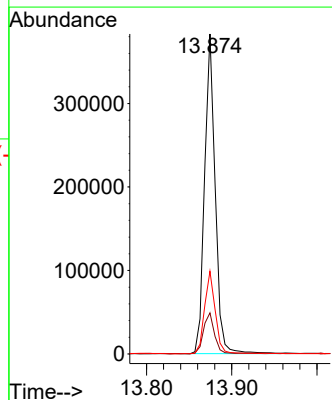
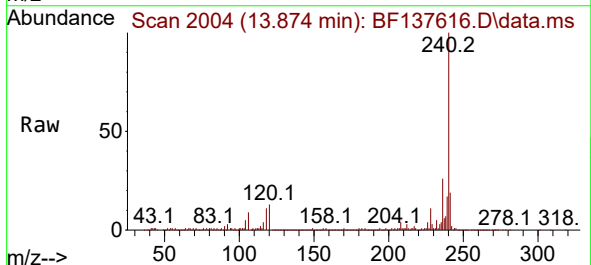
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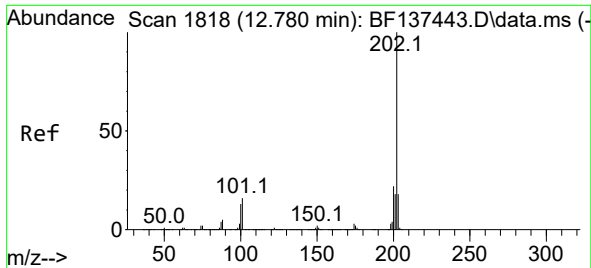
Tgt Ion:202 Resp: 323181
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.0
203 18.1 0.0 37.7



#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

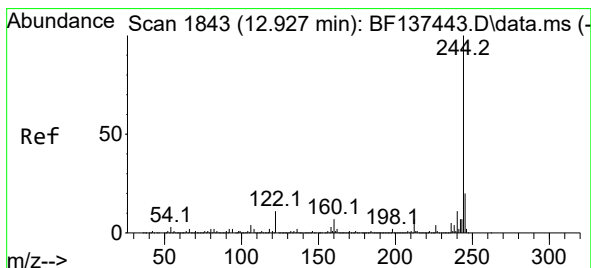
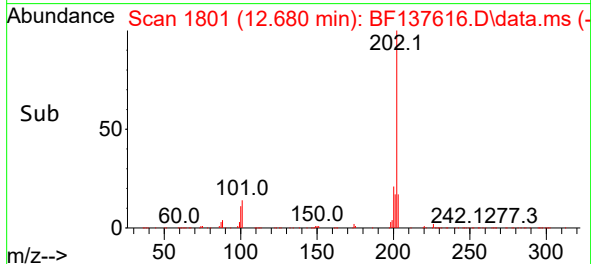
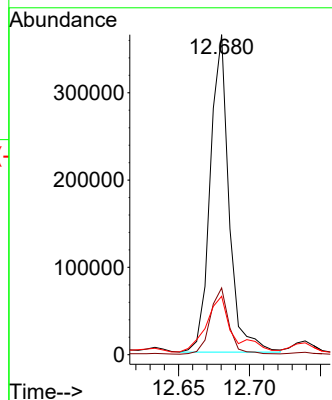
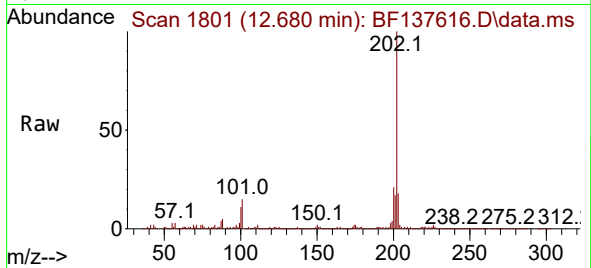




#78
Pyrene
Concen: 10.315 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

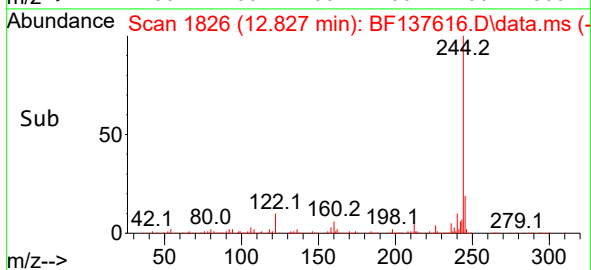
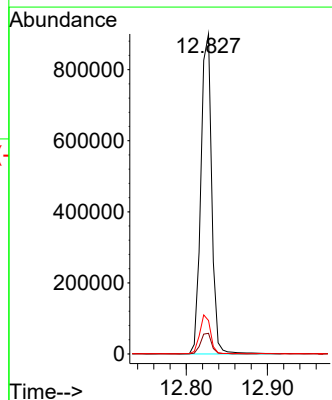
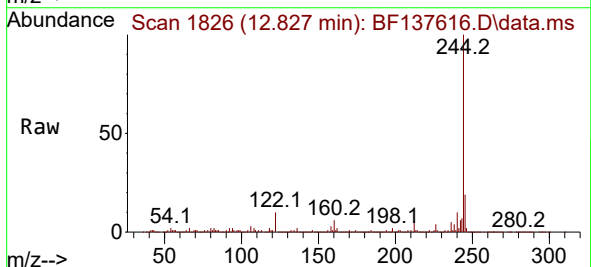
Instrument :
BNA_F
ClientSampleId :
COMP-1

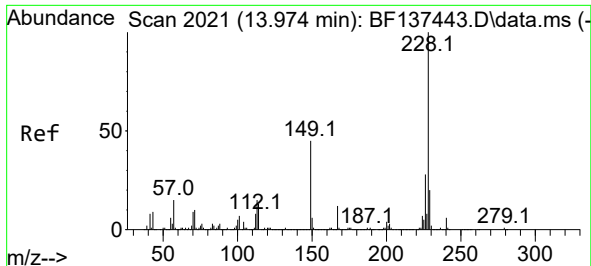
Tgt Ion:202 Resp: 334842
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.2
203 18.3 14.1 21.1



#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

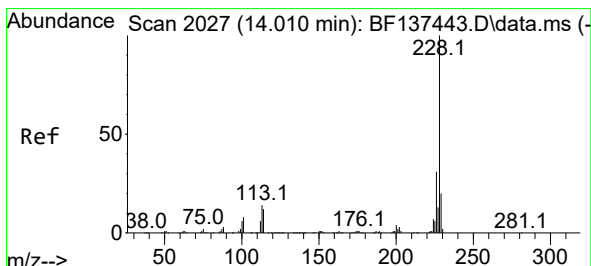
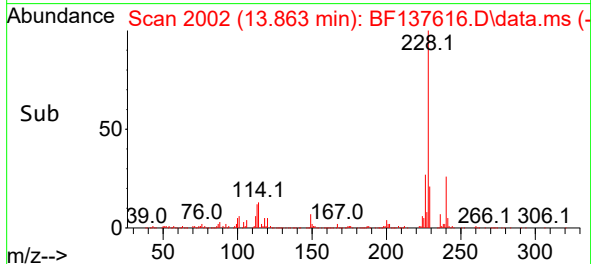
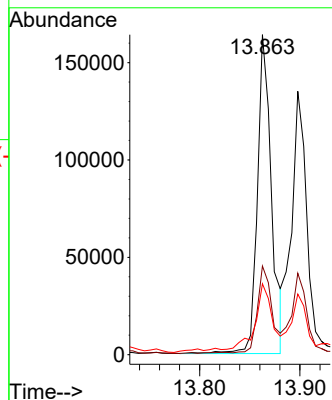
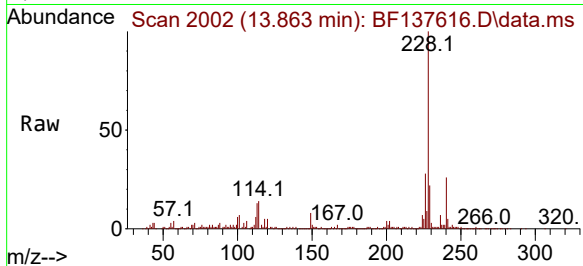




#81
Benzo(a)anthracene
Concen: 6.855 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

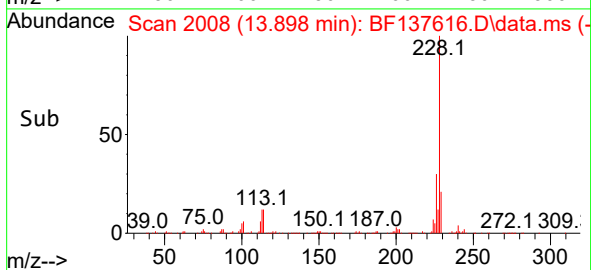
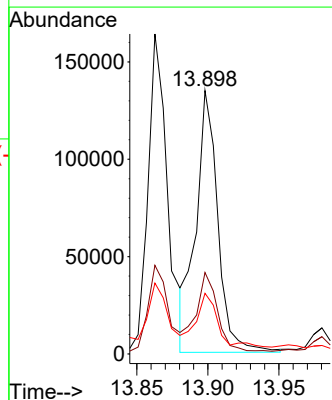
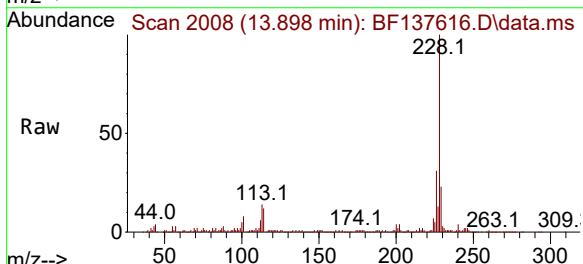
Instrument :
BNA_F
ClientSampleId :
COMP-1

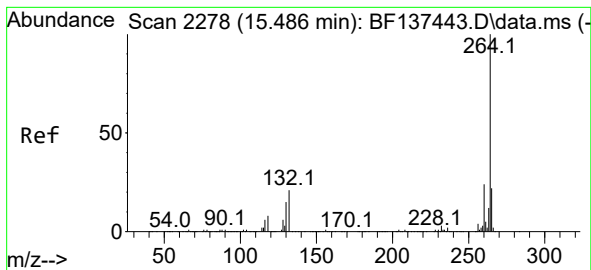
Tgt Ion:228 Resp: 158935
Ion Ratio Lower Upper
228 100
226 27.7 22.3 33.5
229 22.1 16.3 24.5



#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





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

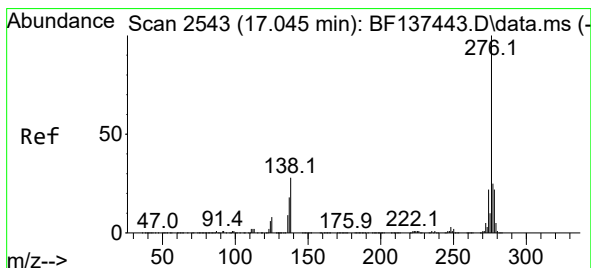
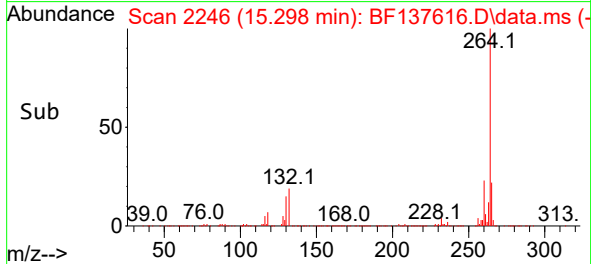
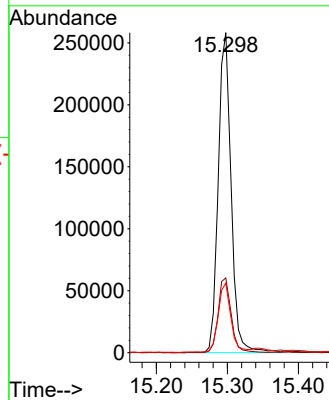
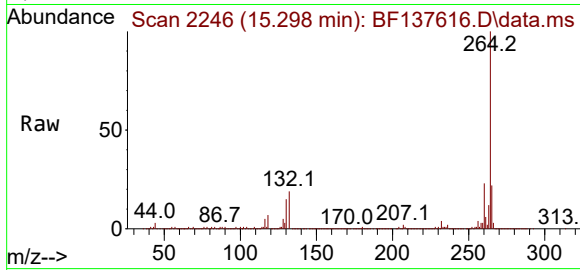
Tgt Ion:264 Resp: 323905

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# 2481

Delta R.T. -0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

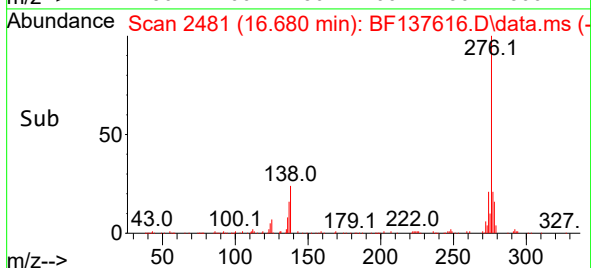
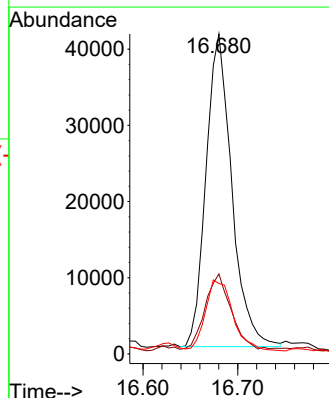
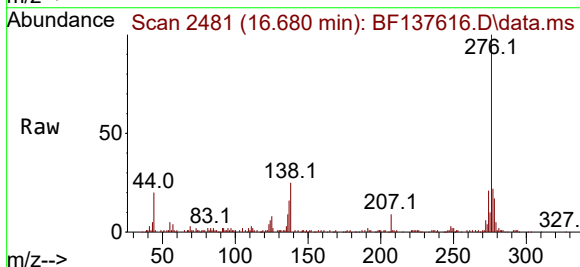
Tgt Ion:276 Resp: 77422

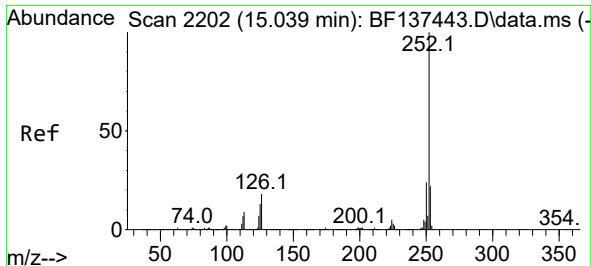
Ion Ratio Lower Upper

276 100

138 26.2 25.8 38.8

277 24.4 20.2 30.2

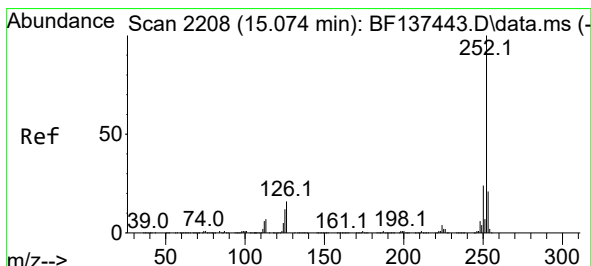
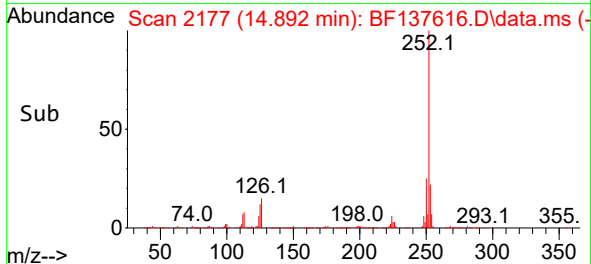
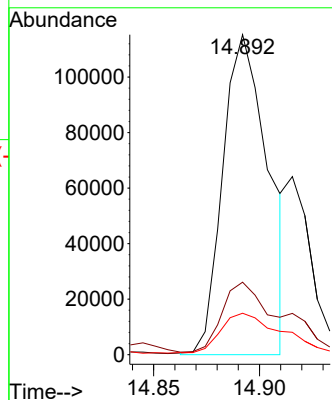
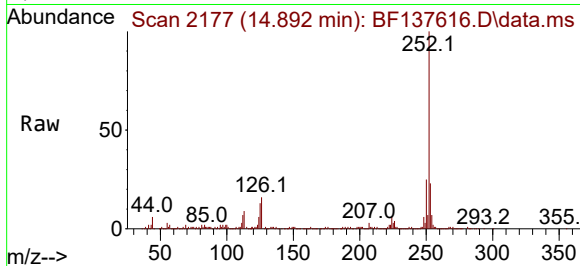




#88
Benzo(b)fluoranthene
Concen: 8.994 ng m
RT: 14.892 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

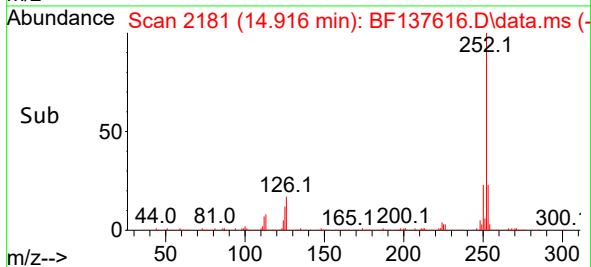
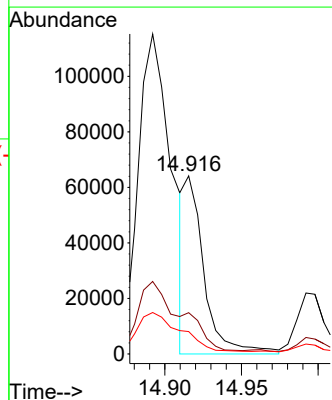
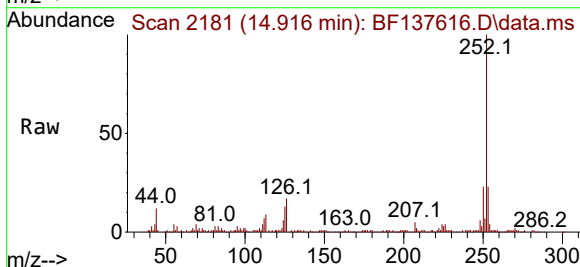
Instrument :
BNA_F
ClientSampleId :
COMP-1

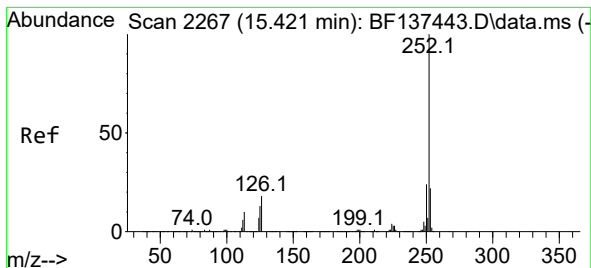
Tgt Ion:252 Resp: 172321
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 13.0 10.1 15.1



#89
Benzo(k)fluoranthene
Concen: 2.765 ng m
RT: 14.916 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF137616.D
Acq: 15 Mar 2024 18:37

Tgt Ion:252 Resp: 56911
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 12.6 9.6 14.4





#90

Benzo(a)pyrene

Concen: 6.480 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Instrument :

BNA_F

ClientSampleId :

COMP-1

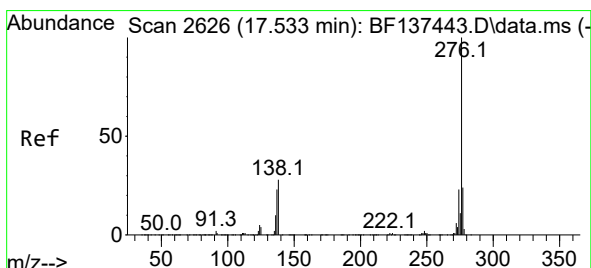
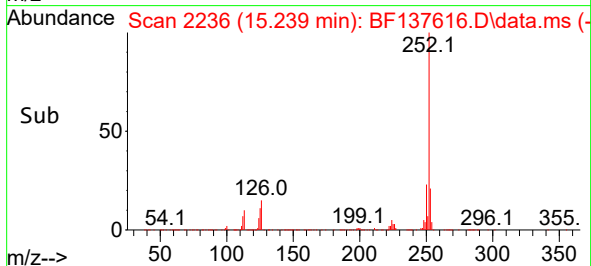
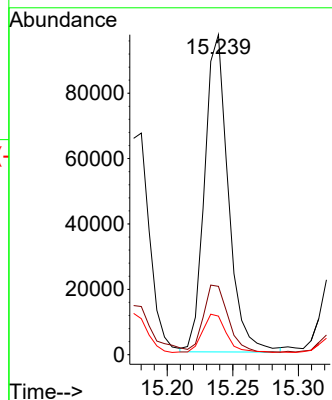
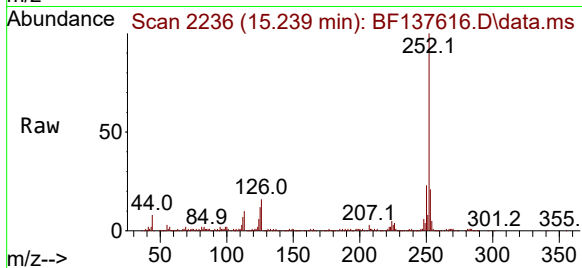
Tgt Ion:252 Resp: 122358

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# 2552

Delta R.T. -0.006 min

Lab File: BF137616.D

Acq: 15 Mar 2024 18:37

Tgt Ion:276 Resp: 81571

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.4

138 23.0 22.2 33.2

