

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122823\
 Data File : BF136815.D
 Acq On : 29 Dec 2023 02:26
 Operator : CG\JU
 Sample : 06035-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-5-122723

Quant Time: Dec 29 02:59:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

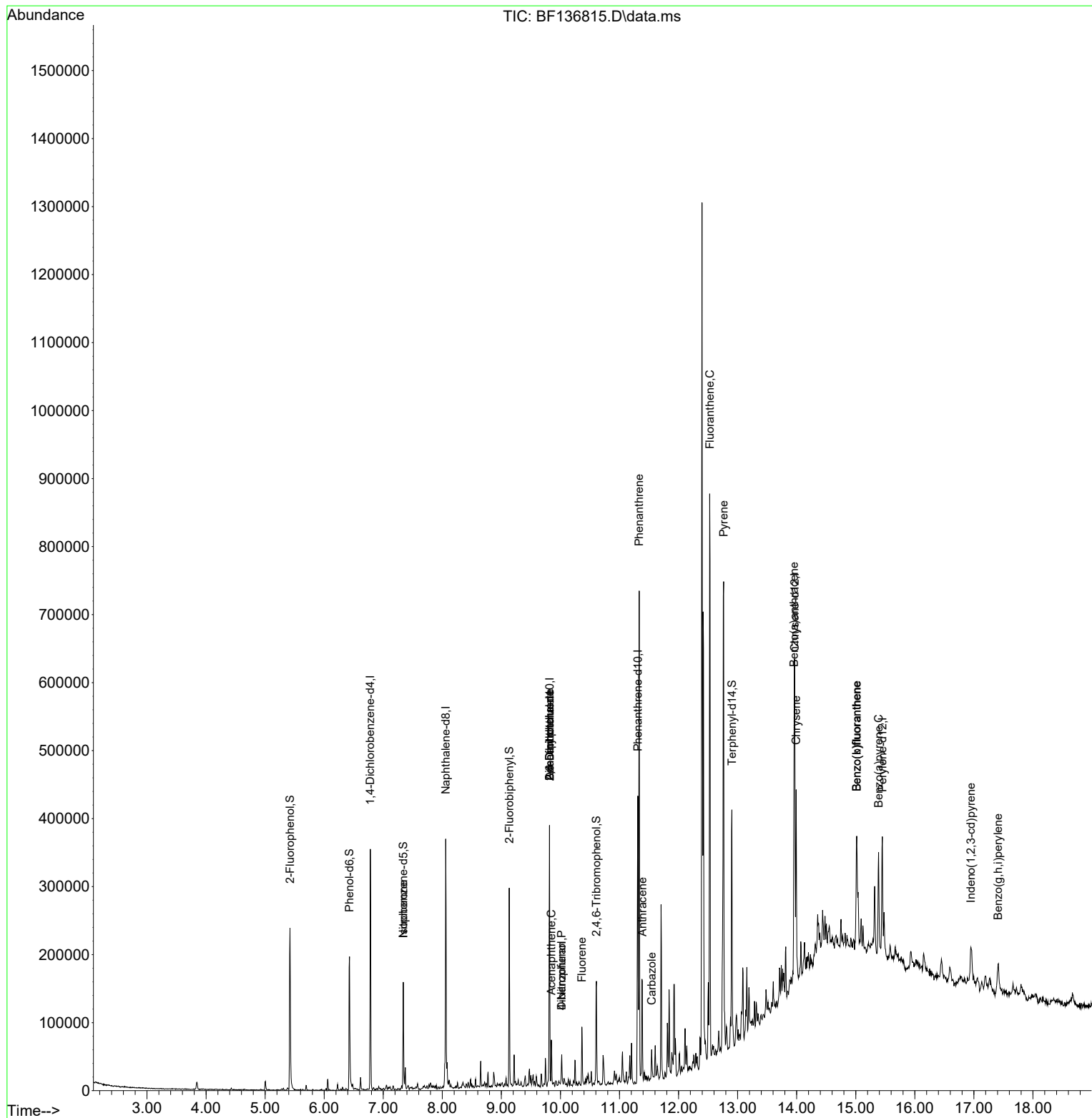
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49977	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	151241	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	67671	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	148935	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	116960	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	83728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	72339	22.584	ng	0.00
7) Phenol-d6	6.428	99	76552	18.444	ng	-0.01
23) Nitrobenzene-d5	7.339	82	43663	14.773	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	18536	23.258	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	81560	16.210	ng	-0.02
79) Terphenyl-d14	12.904	244	122799	14.672	ng	-0.01
Target Compounds						
25) Isophorone	7.339	82	43661	8.118	ng	# 65
50) Dimethylphthalate	9.816	163	13322	2.695	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	9265	8.259	ng	# 30
52) Acenaphthene	9.845	154	13145	3.214	ng	95
55) Dibenzofuran	10.022	168	15333	2.473	ng	99
56) 4-Nitrophenol	10.022	139	5537	6.902	ng	# 12
57) 2,4-Dinitrotoluene	9.816	165	9265	6.362	ng	# 21
58) Fluorene	10.363	166	22875	4.650	ng	90
71) Phenanthrene	11.333	178	240573	31.481	ng	99
72) Anthracene	11.386	178	60120	7.768	ng	99
73) Carbazole	11.545	167	18238	2.499	ng	98
75) Fluoranthene	12.527	202	343133	41.977	ng	98
78) Pyrene	12.762	202	306380	26.684	ng	99
81) Benzo(a)anthracene	13.957	228	131122	16.145	ng	98
83) Chrysene	13.992	228	101871	12.827	ng	97
87) Indeno(1,2,3-cd)pyrene	16.950	276	40089	6.631	ng	96
88) Benzo(b)fluoranthene	15.015	252	126379	22.599	ng	# 96
89) Benzo(k)fluoranthene	15.015	252	126379	23.916	ng	# 96
90) Benzo(a)pyrene	15.386	252	67613	14.323	ng	94
92) Benzo(g,h,i)perylene	17.409	276	37059	7.296	ng	# 91

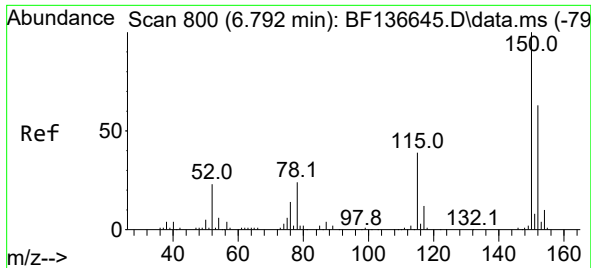
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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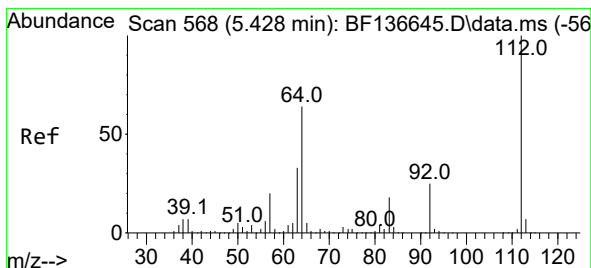
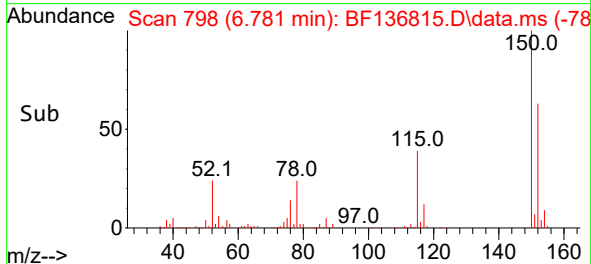
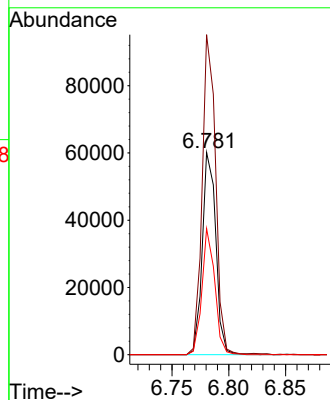
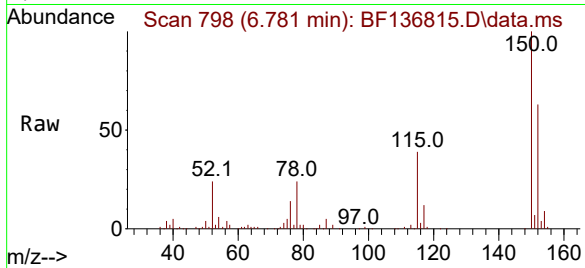




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

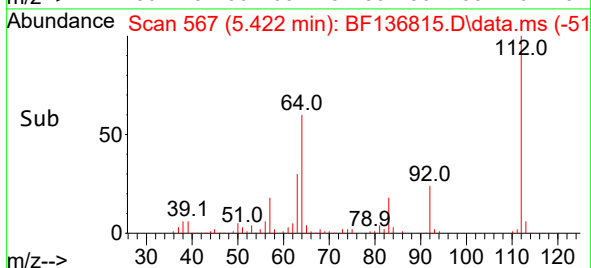
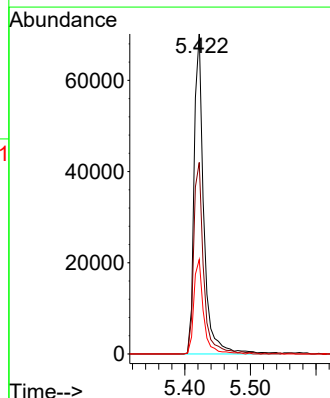
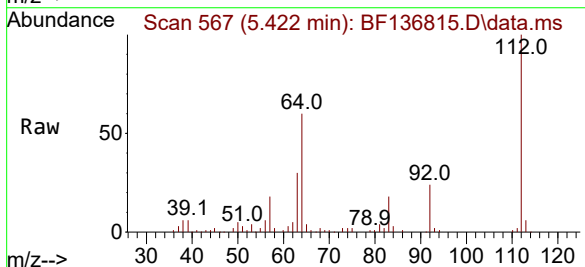
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

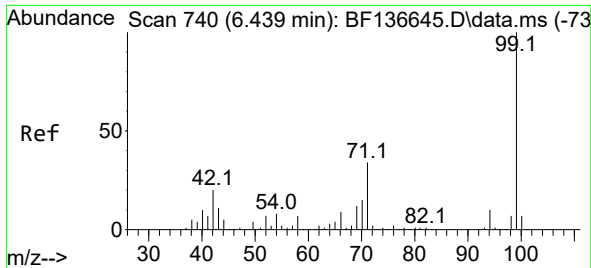
Tgt Ion:152 Resp: 49977
Ion Ratio Lower Upper
152 100
150 158.2 127.0 190.6
115 62.3 49.0 73.4



#5
2-Fluorophenol
Concen: 22.584 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:112 Resp: 72339
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 29.5 26.1 39.1

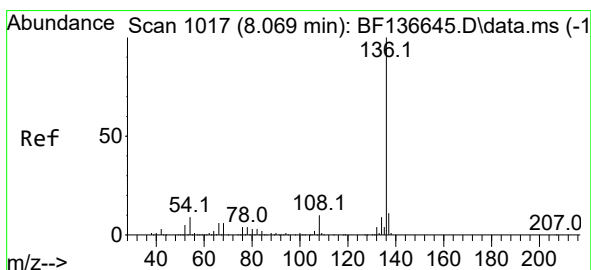
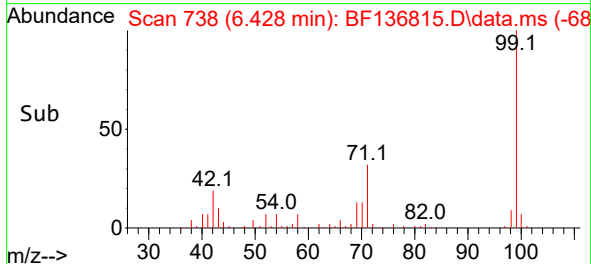
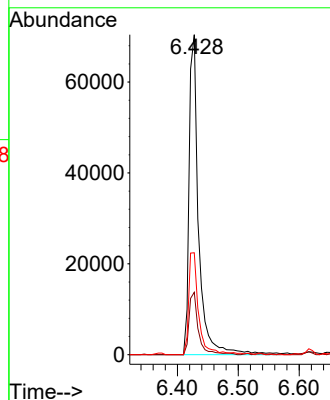
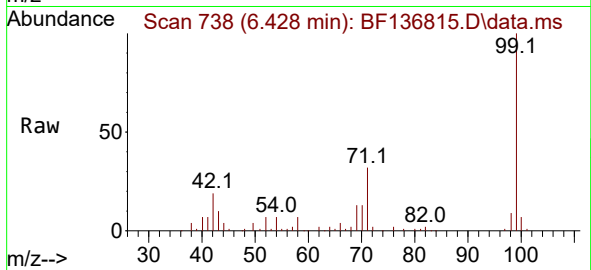




#7
Phenol-d6
Concen: 18.444 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

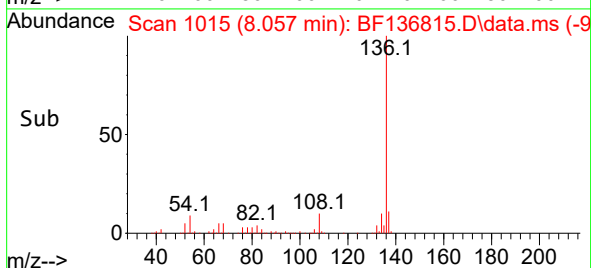
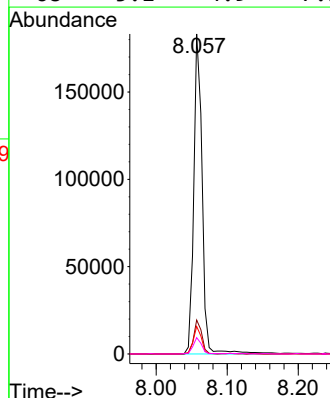
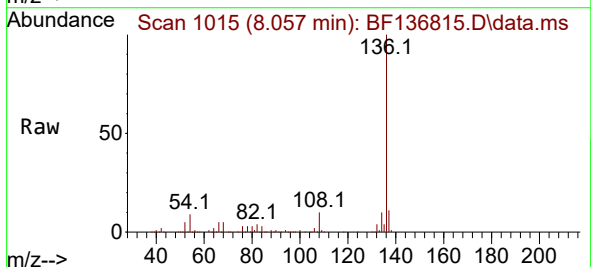
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

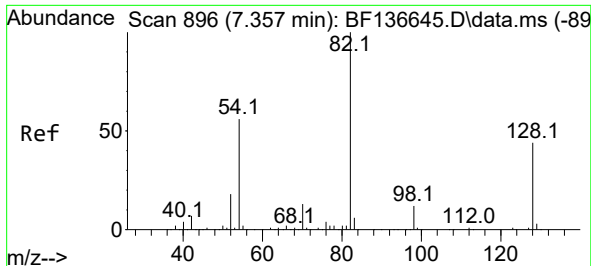
Tgt Ion: 99 Resp: 76552
Ion Ratio Lower Upper
99 100
42 19.5 16.1 24.1
71 31.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion: 136 Resp: 151241
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.6 7.2 10.8
68 5.1 4.9 7.3





#23

Nitrobenzene-d5

Concen: 14.773 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

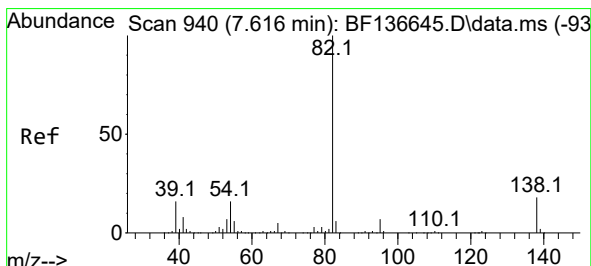
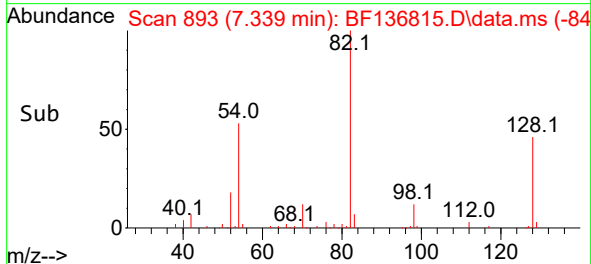
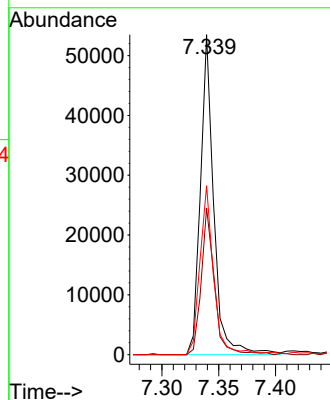
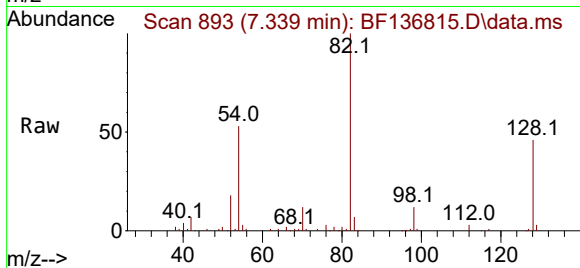
Tgt Ion: 82 Resp: 43663

Ion Ratio Lower Upper

82 100

128 45.8 35.3 52.9

54 52.8 44.5 66.7



#25

Isophorone

Concen: 8.118 ng

RT: 7.339 min Scan# 893

Delta R.T. -0.276 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

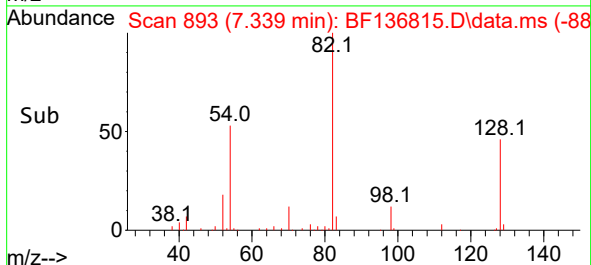
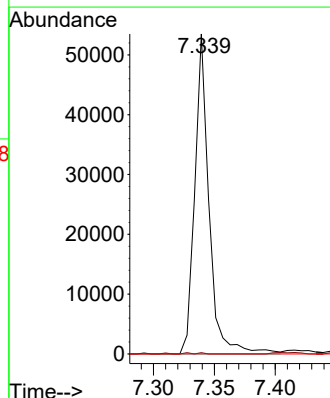
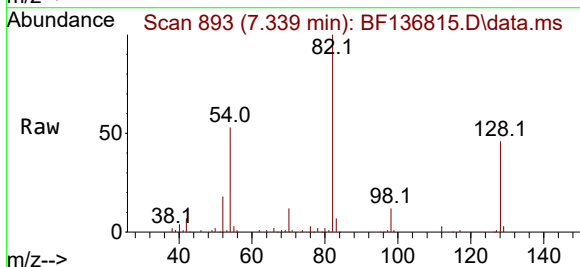
Tgt Ion: 82 Resp: 43661

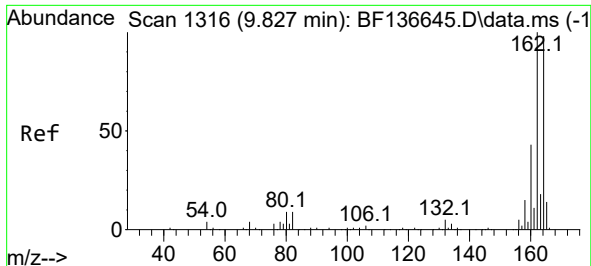
Ion Ratio Lower Upper

82 100

95 0.4 5.5 8.3#

138 0.0 14.5 21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

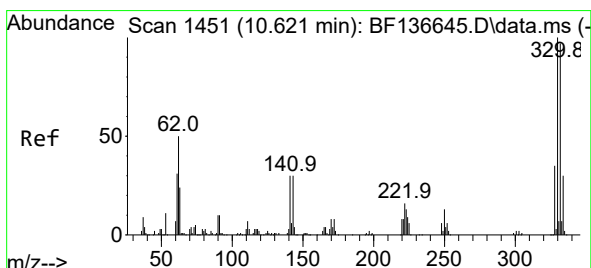
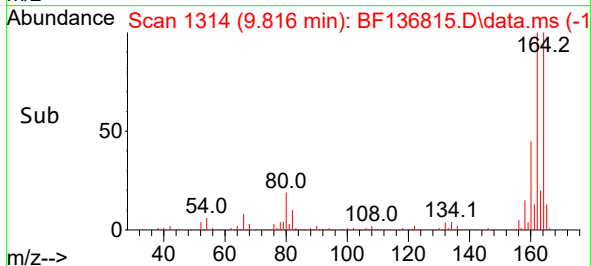
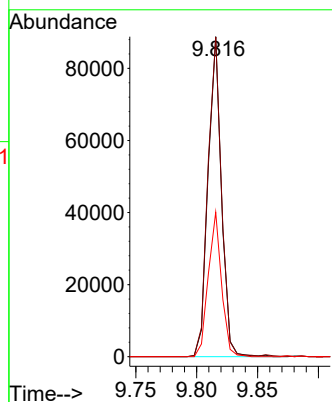
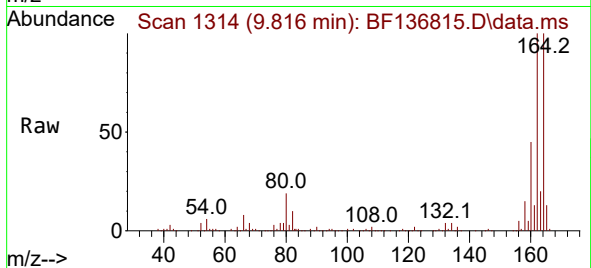
Tgt Ion:164 Resp: 67671

Ion Ratio Lower Upper

164 100

162 99.9 81.6 122.4

160 45.1 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 23.258 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

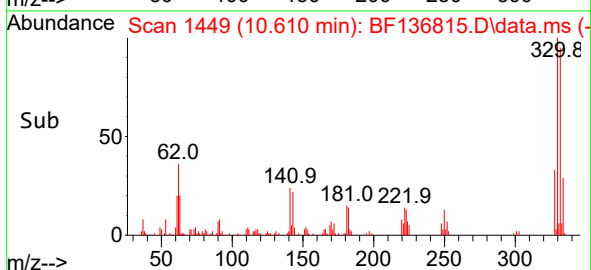
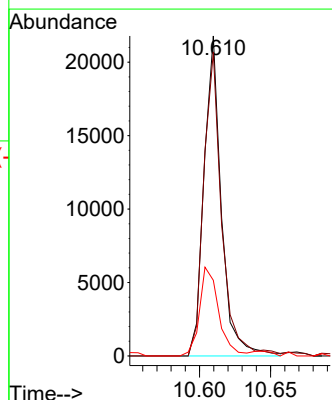
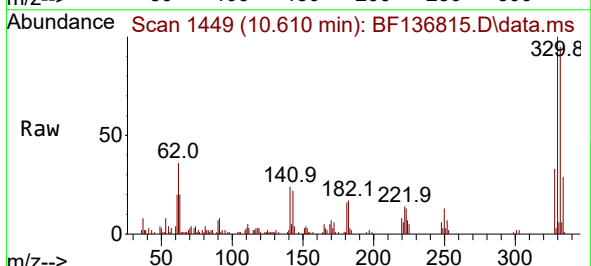
Tgt Ion:330 Resp: 18536

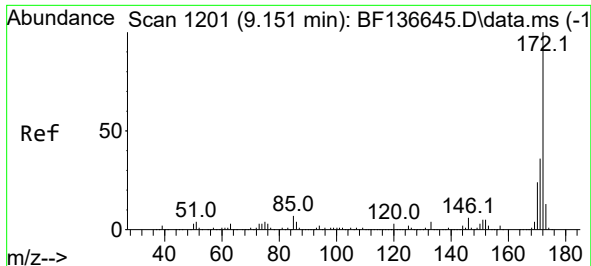
Ion Ratio Lower Upper

330 100

332 99.6 77.4 116.0

141 30.6 23.4 35.2

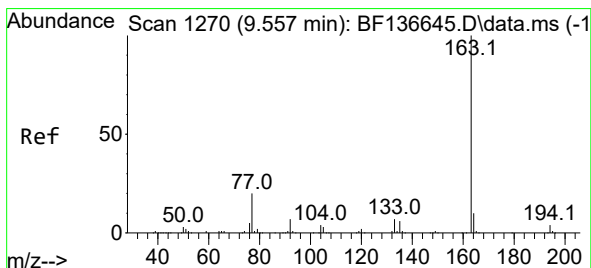
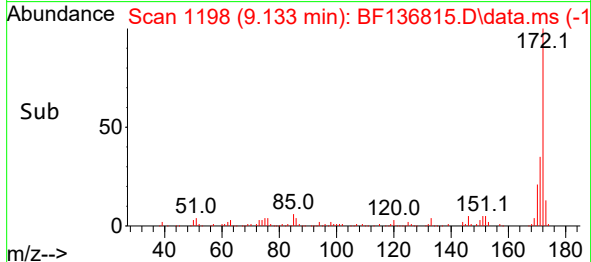
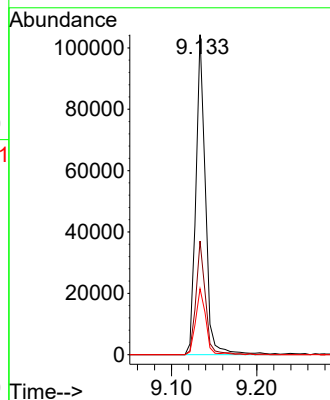
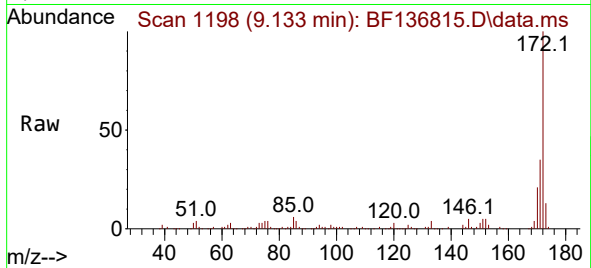




#45
2-Fluorobiphenyl
Concen: 16.210 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

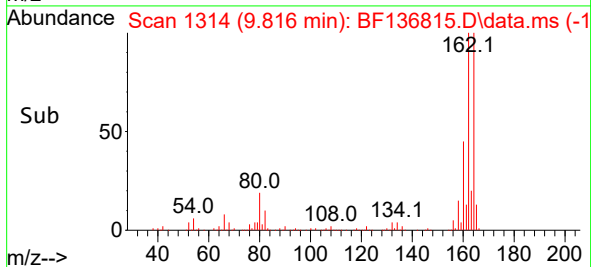
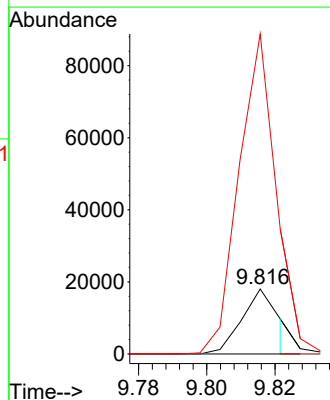
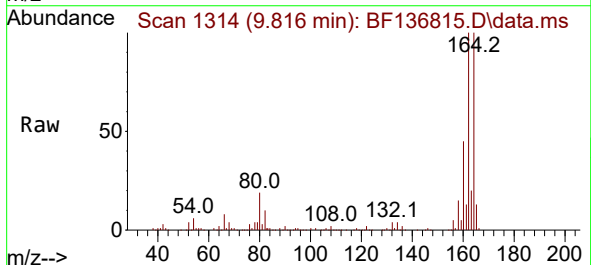
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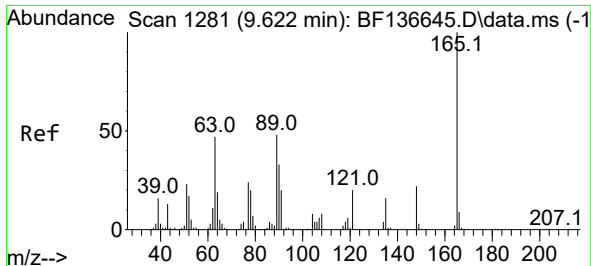
Tgt Ion:172 Resp: 81560
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.6
170 20.6 19.0 28.4



#50
Dimethylphthalate
Concen: 2.695 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:163 Resp: 13322
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 492.9 7.8 11.6#

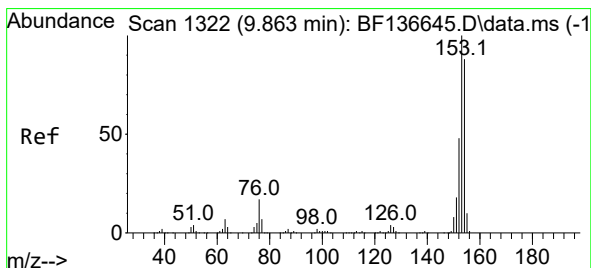
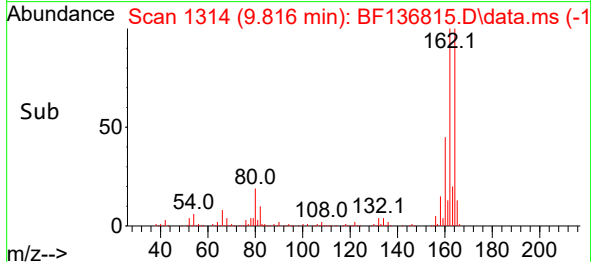
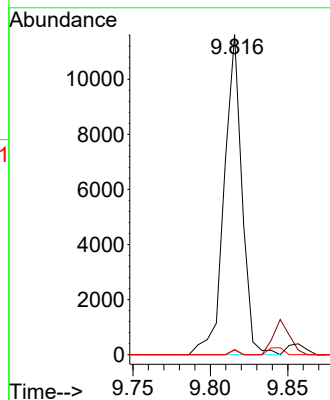
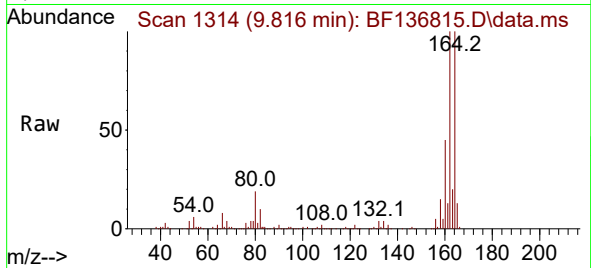




#51
2,6-Dinitrotoluene
Concen: 8.259 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

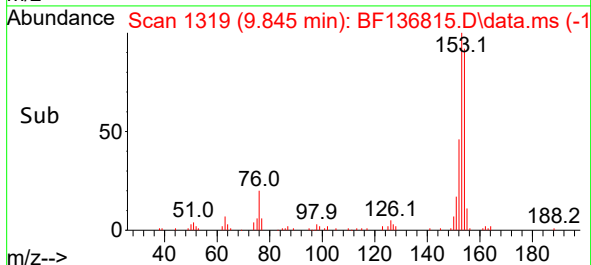
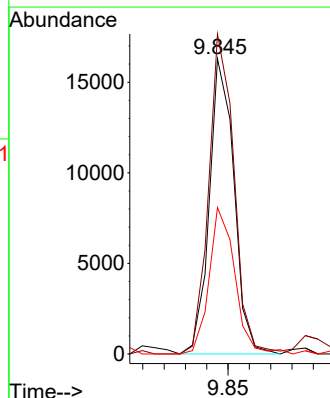
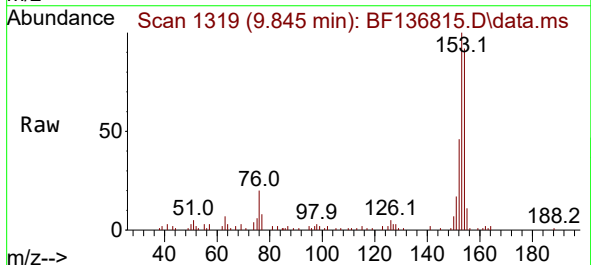
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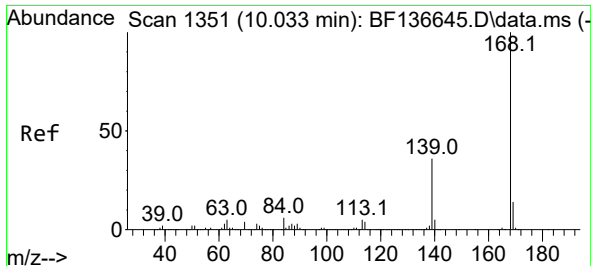
Tgt Ion:165 Resp: 9265
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.6 38.8 58.2#



#52
Acenaphthene
Concen: 3.214 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:154 Resp: 13145
Ion Ratio Lower Upper
154 100
153 108.4 90.7 136.1
152 49.6 43.7 65.5

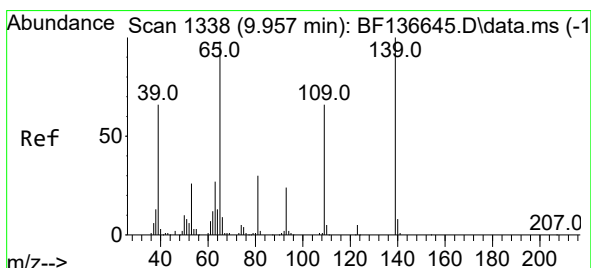
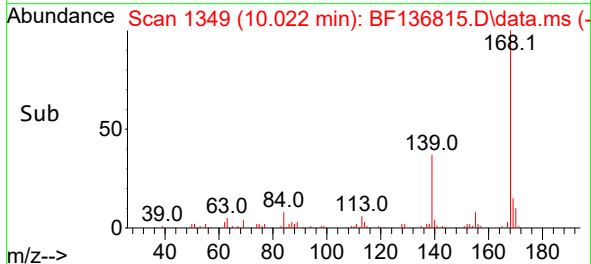
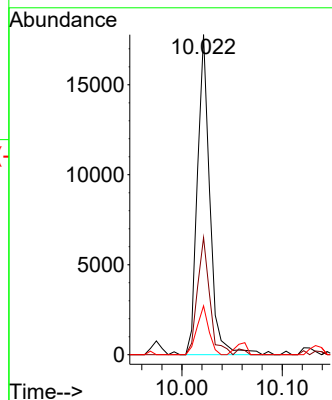
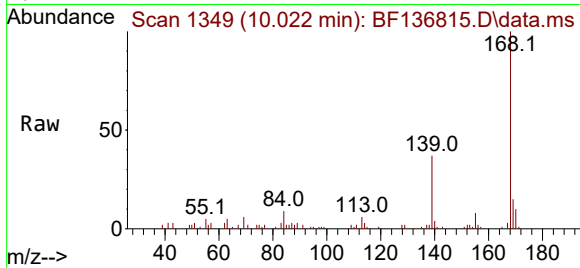




#55
Dibenzenofuran
Concen: 2.473 ng
RT: 10.022 min Scan# 1349
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

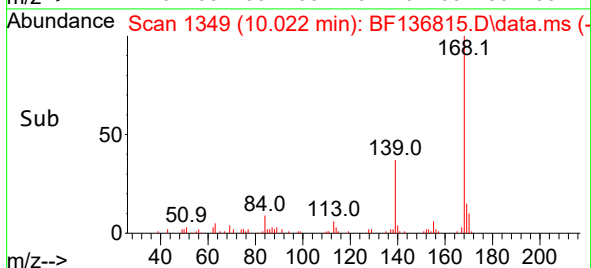
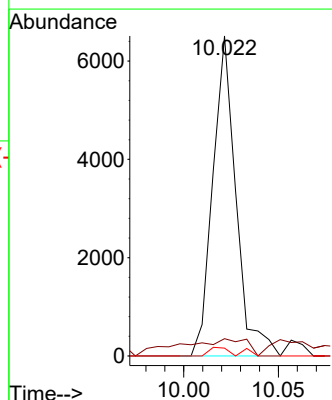
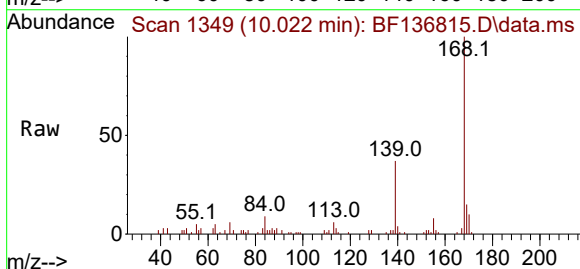
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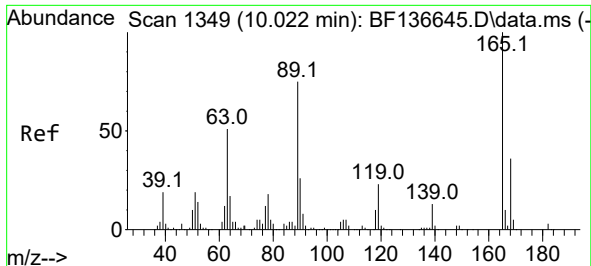
Tgt Ion:168 Resp: 15333
Ion Ratio Lower Upper
168 100
139 36.6 29.3 43.9
169 15.2 11.0 16.4



#56
4-Nitrophenol
Concen: 6.902 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.065 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:139 Resp: 5537
Ion Ratio Lower Upper
139 100
109 5.4 45.8 85.8#
65 2.5 77.8 117.8#

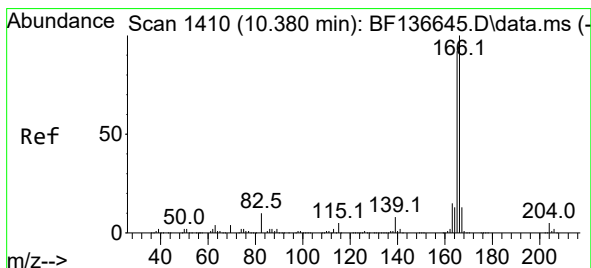
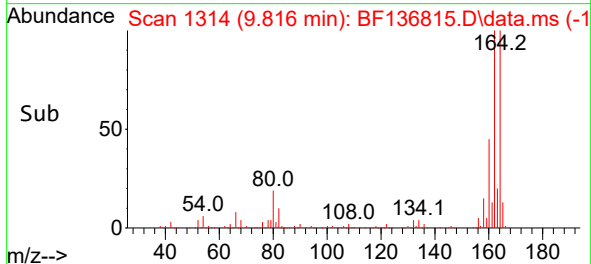
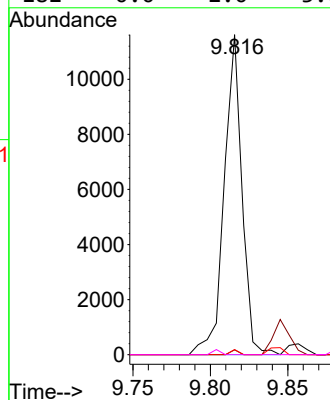
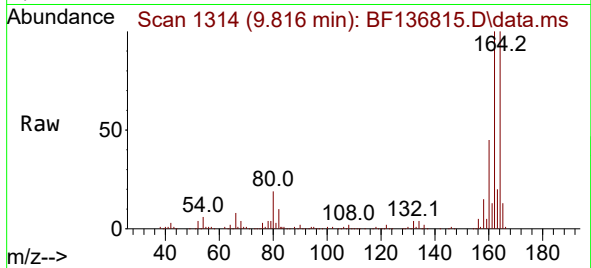




#57
2,4-Dinitrotoluene
Concen: 6.362 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

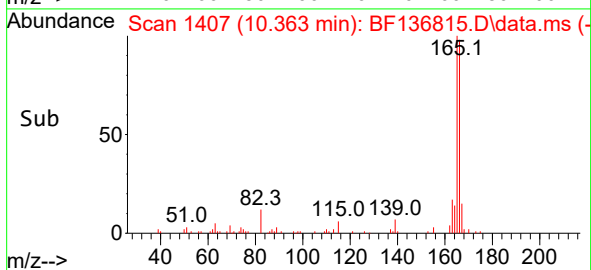
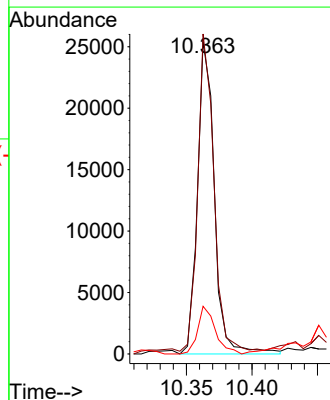
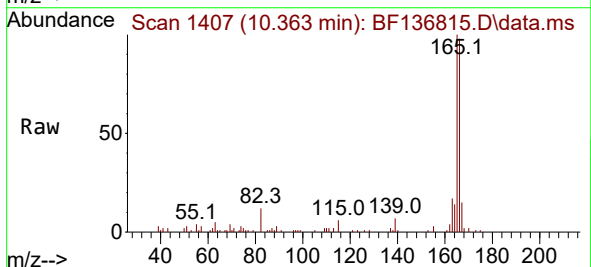
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

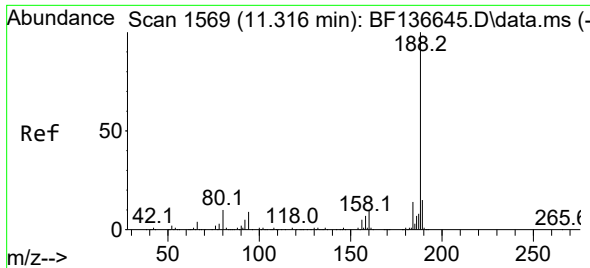
Tgt Ion:165 Resp: 9265
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.6#
89 1.6 59.9 89.9#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 4.650 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:166 Resp: 22875
Ion Ratio Lower Upper
166 100
165 102.5 73.7 110.5
167 15.3 10.4 15.6

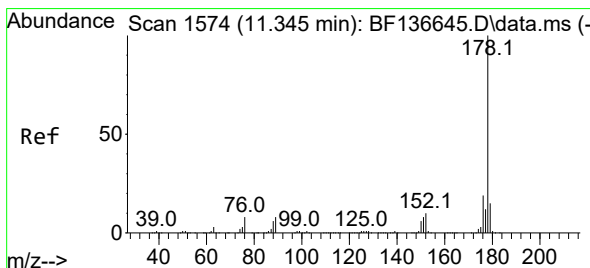
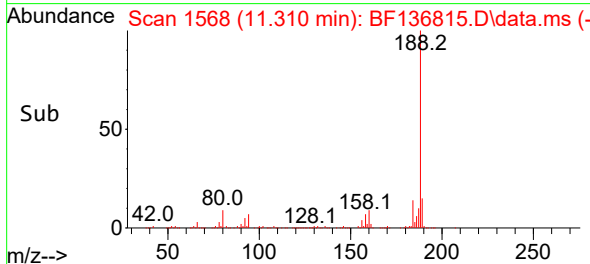
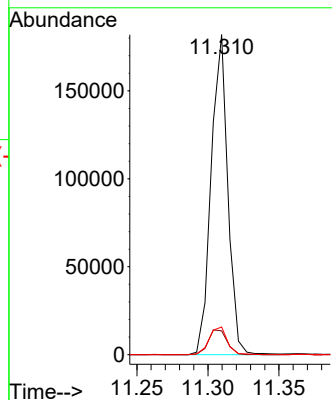
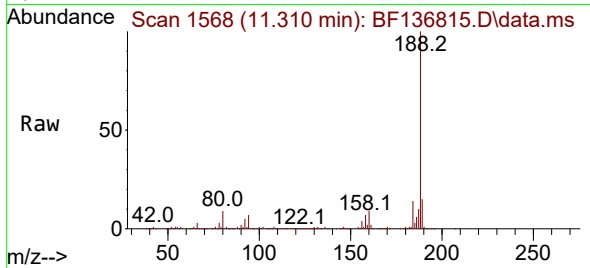




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

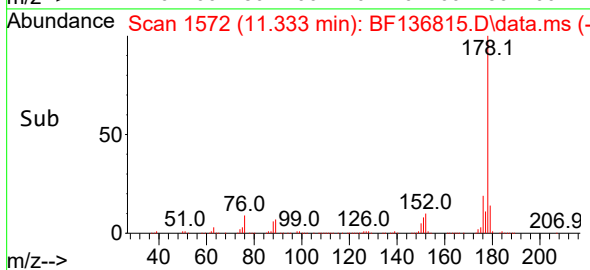
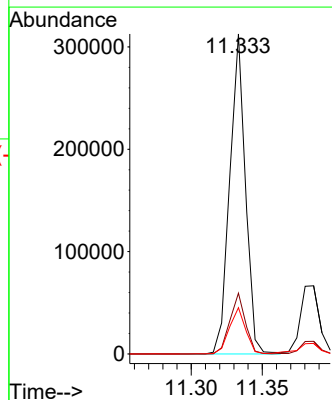
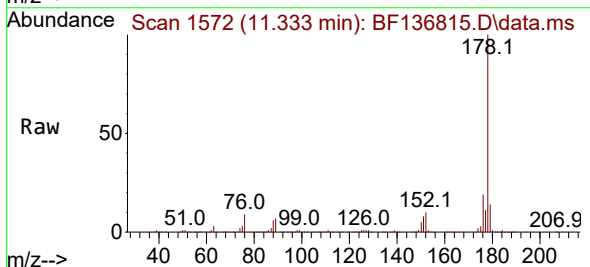
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

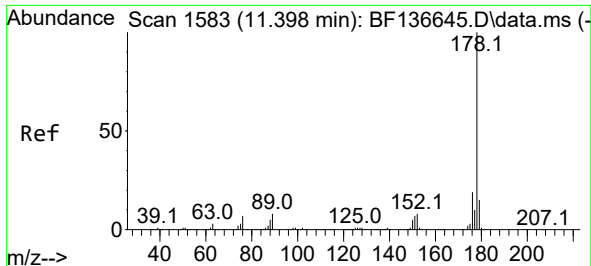
Tgt Ion:188 Resp: 148935
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3#
80 8.6 8.1 12.1



#71
Phenanthrene
Concen: 31.481 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:178 Resp: 240573
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.5 11.9 17.9

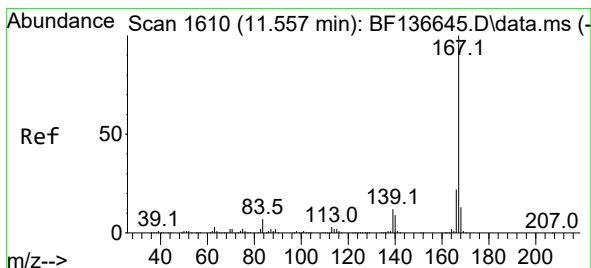
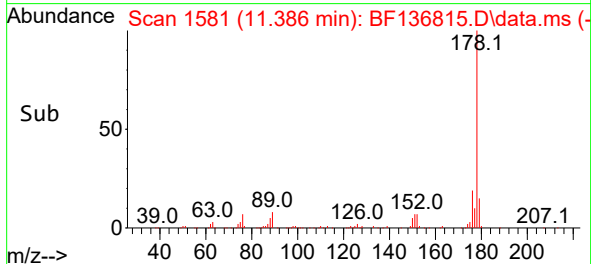
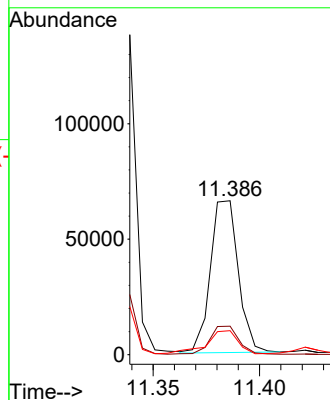
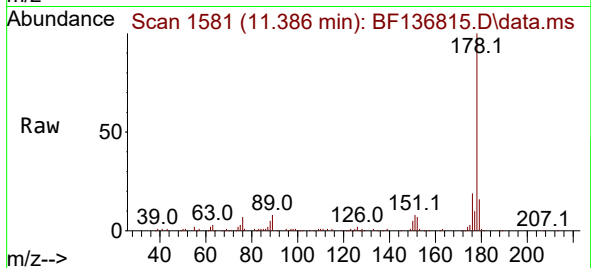




#72
 Anthracene
 Concen: 7.768 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

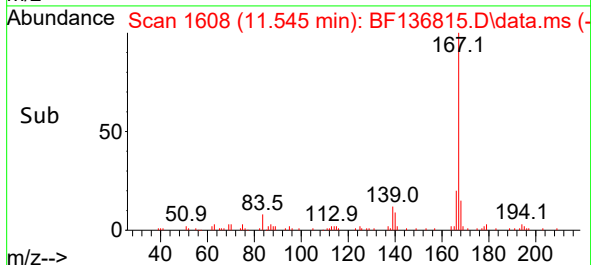
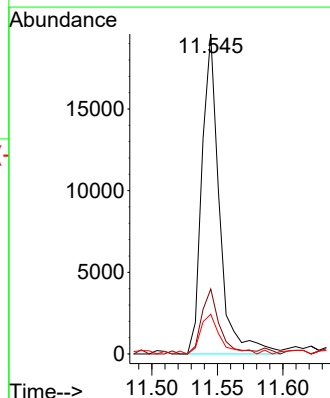
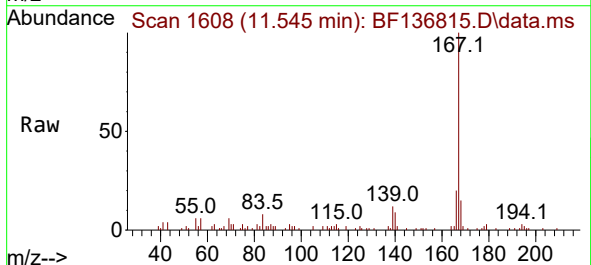
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-122723

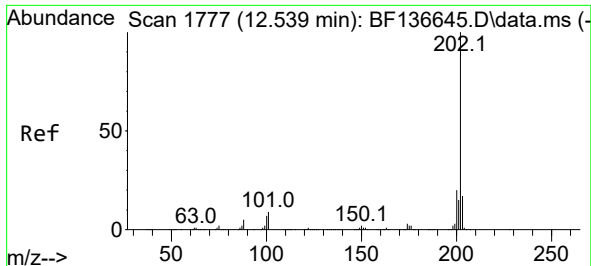
Tgt Ion:178 Resp: 60120
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 15.6 11.8 17.6



#73
 Carbazole
 Concen: 2.499 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

Tgt Ion:167 Resp: 18238
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.3 25.9
 139 12.4 9.8 14.6

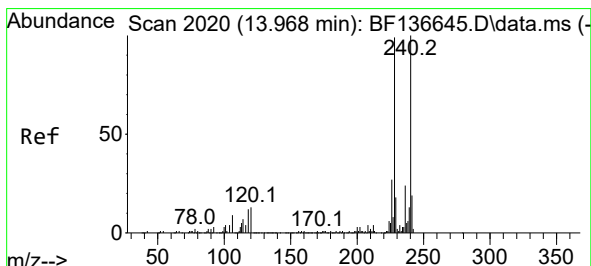
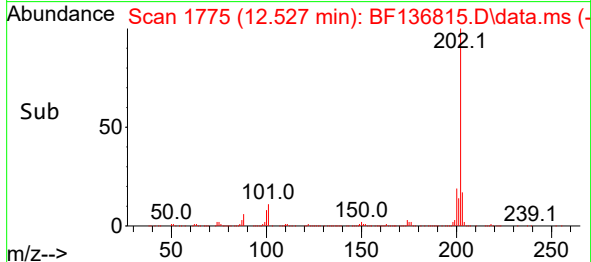
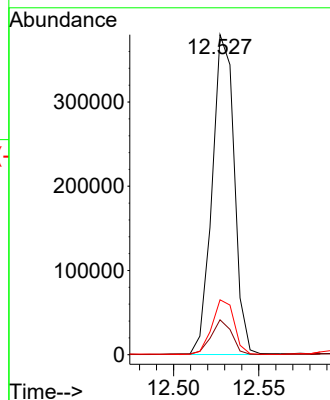
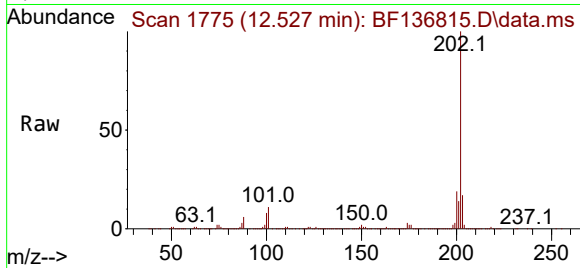




#75
Fluoranthene
Concen: 41.977 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

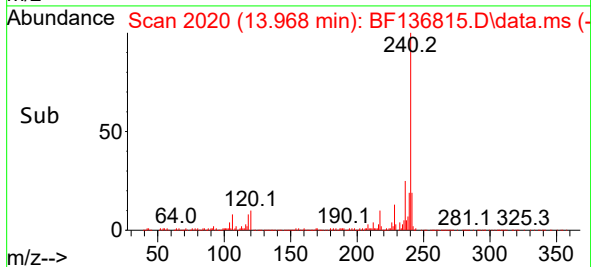
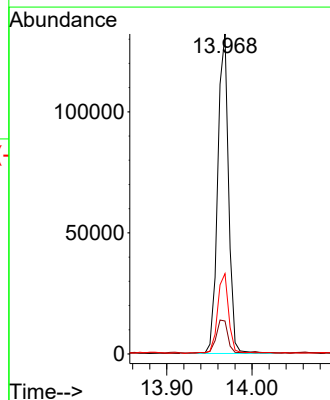
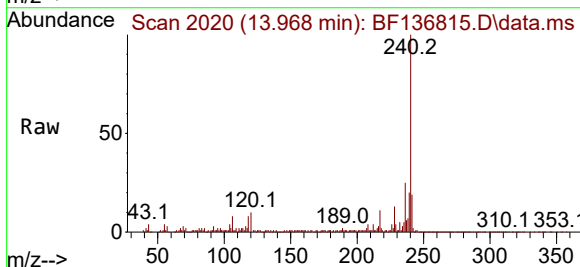
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

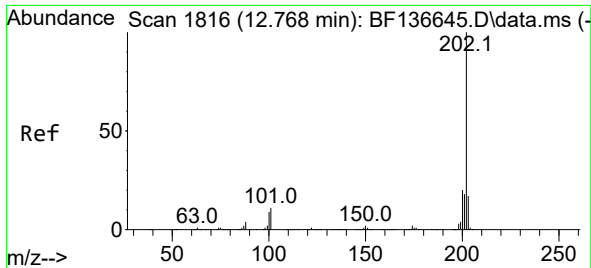
Tgt Ion:202 Resp: 343133
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.3
203 17.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:240 Resp: 116960
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5#
236 25.1 19.4 29.2

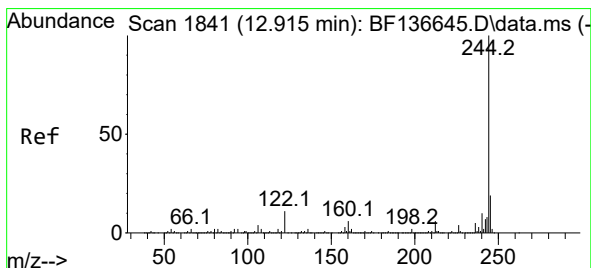
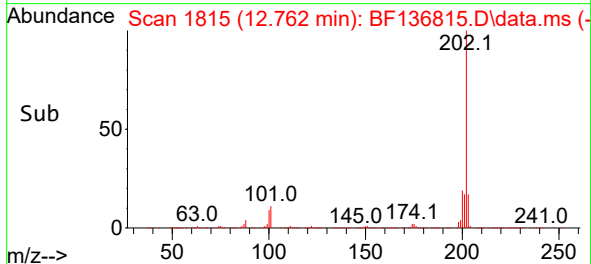
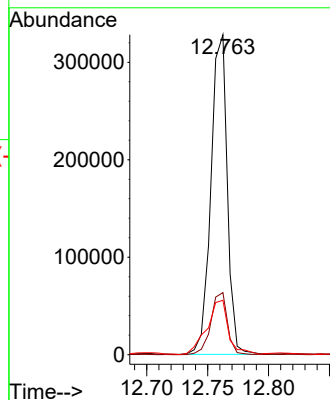
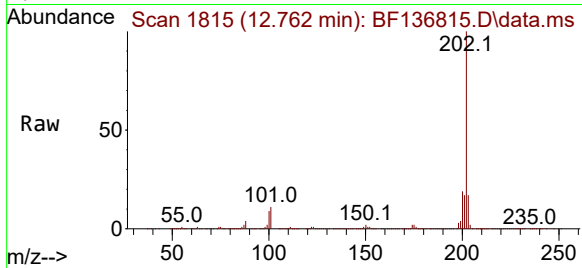




#78
 Pyrene
 Concen: 26.684 ng
 RT: 12.762 min Scan# 1816
 Delta R.T. -0.006 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

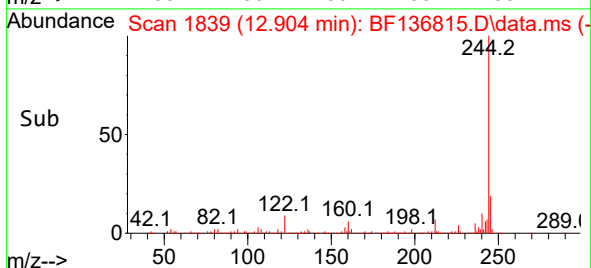
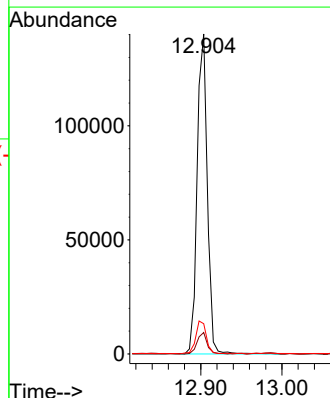
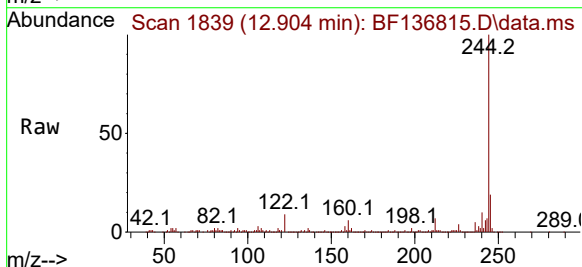
Instrument :
 BNA_F
 ClientSampleId :
 TR-5-122723

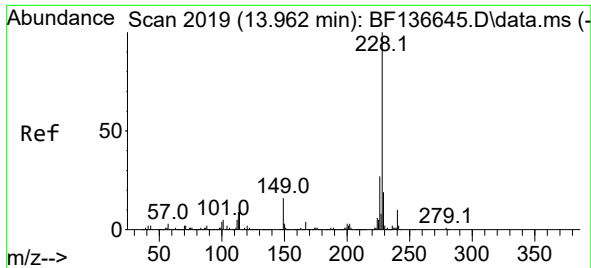
Tgt Ion:	202	Resp:	306380
Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.9	23.9
203	17.0	13.8	20.6



#79
 Terphenyl-d14
 Concen: 14.672 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136815.D
 Acq: 29 Dec 2023 02:26

Tgt Ion:	244	Resp:	122799
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.0	7.4
122	9.5	9.0	13.4

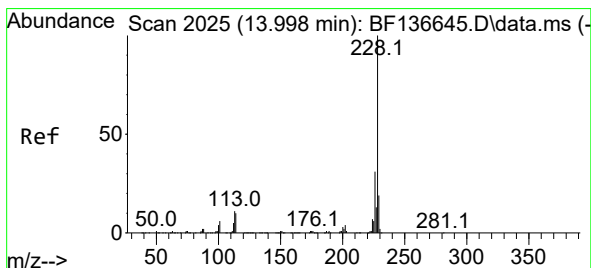
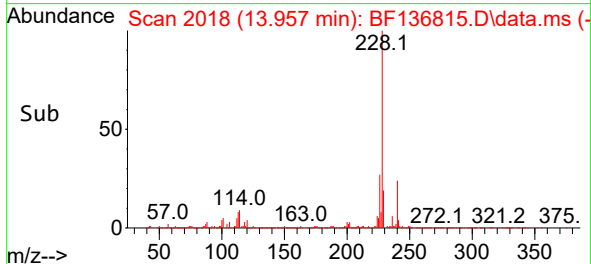
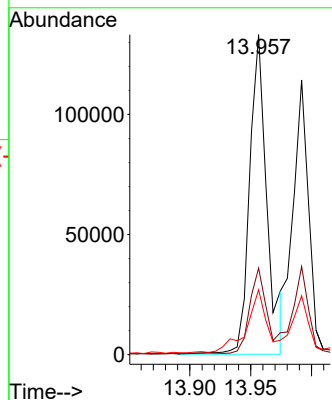
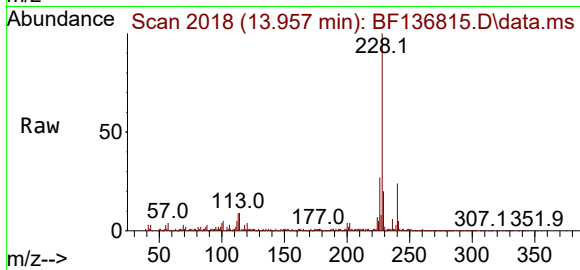




#81
Benzo(a)anthracene
Concen: 16.145 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

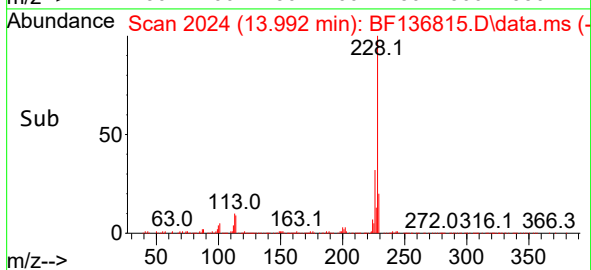
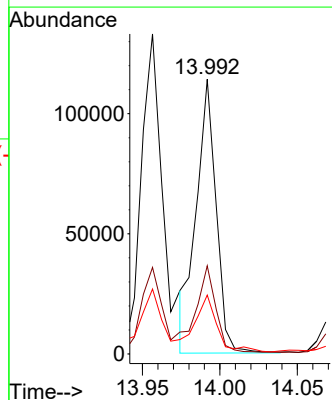
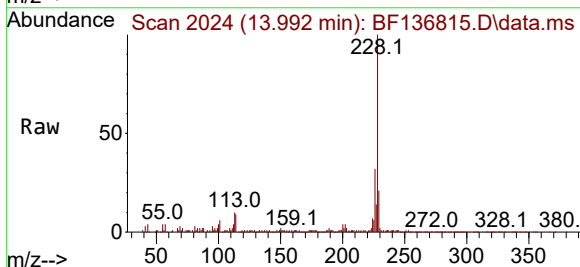
Instrument :
BNA_F
ClientSampleId :
TR-5-122723

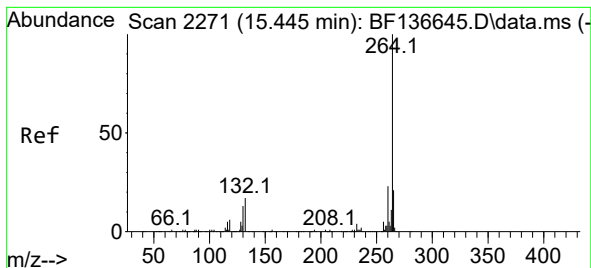
Tgt Ion:228 Resp: 131122
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.0
229 20.3 14.9 22.3



#83
Chrysene
Concen: 12.827 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136815.D
Acq: 29 Dec 2023 02:26

Tgt Ion:228 Resp: 101871
Ion Ratio Lower Upper
228 100
226 32.1 24.7 37.1
229 21.4 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

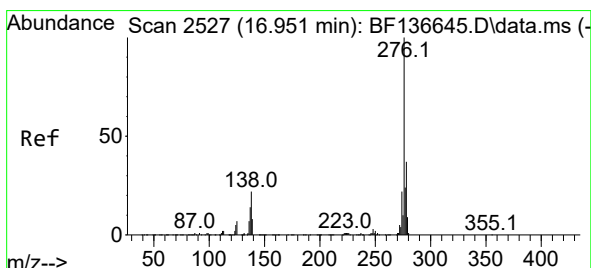
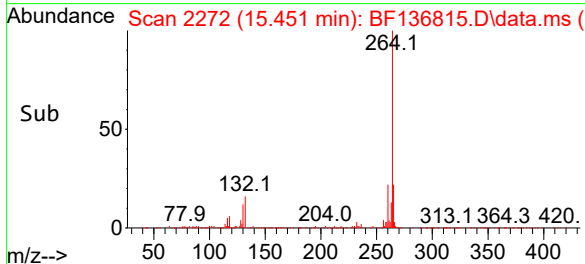
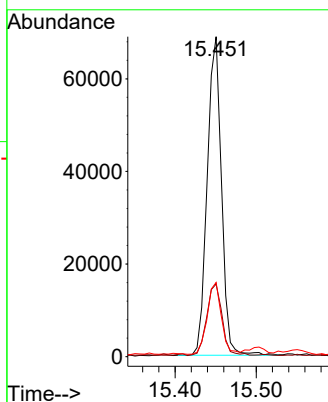
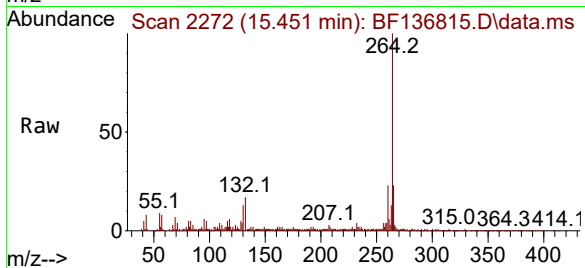
Tgt Ion:264 Resp: 83728

Ion Ratio Lower Upper

264 100

260 22.7 18.3 27.5

265 23.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.631 ng

RT: 16.950 min Scan# 2527

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

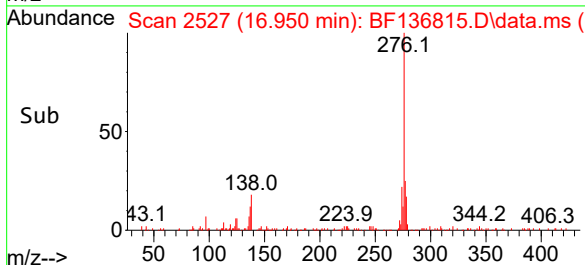
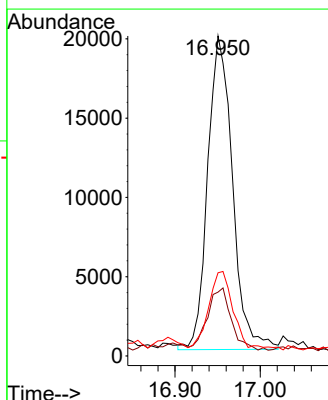
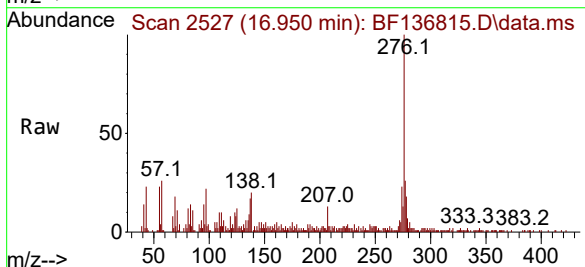
Tgt Ion:276 Resp: 40089

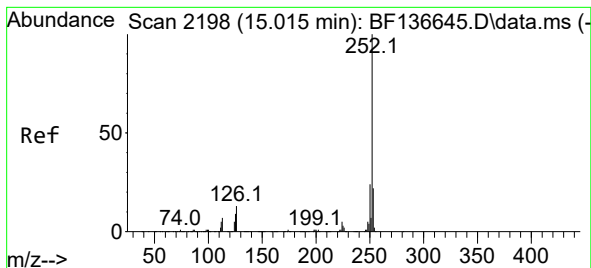
Ion Ratio Lower Upper

276 100

138 19.1 18.7 28.1

277 25.2 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 22.599 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

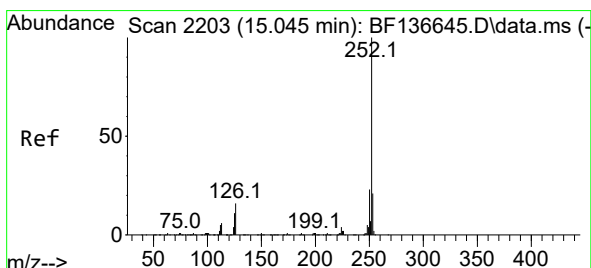
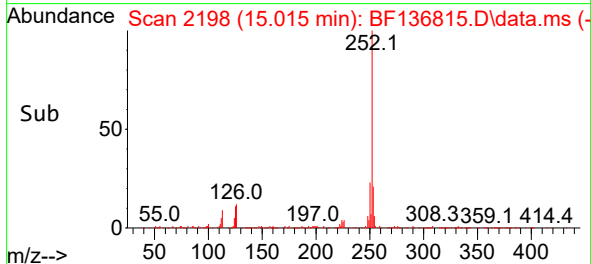
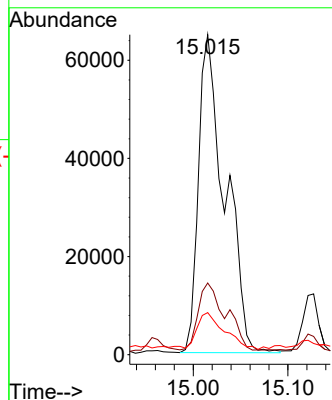
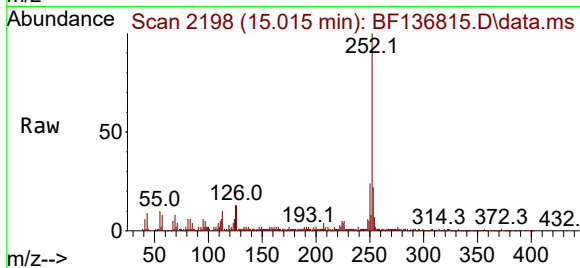
Tgt Ion:252 Resp: 126379

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 13.2 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 23.916 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

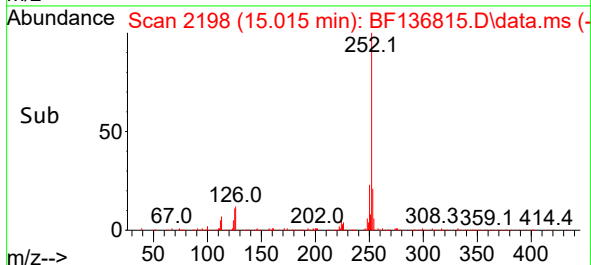
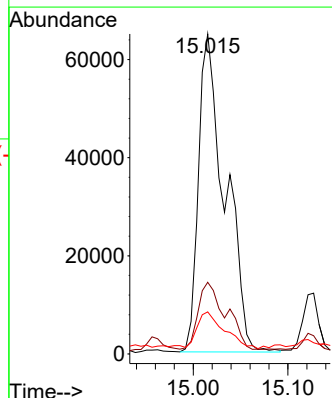
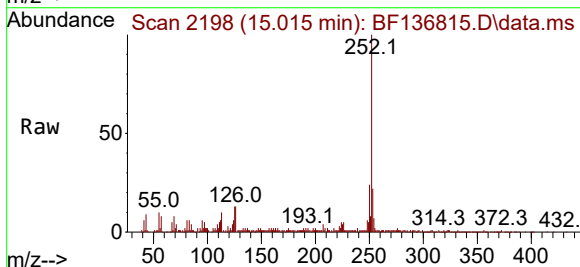
Tgt Ion:252 Resp: 126379

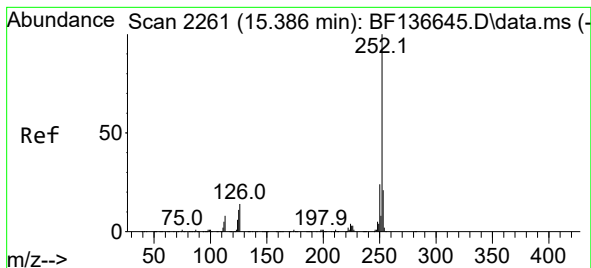
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 13.2 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 14.323 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Instrument :

BNA_F

ClientSampleId :

TR-5-122723

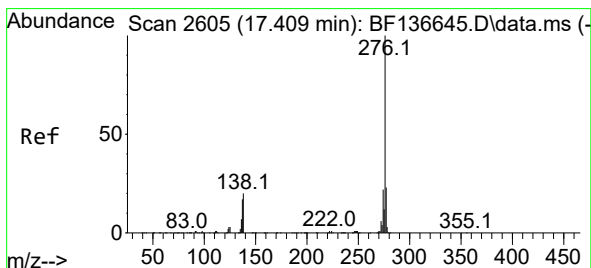
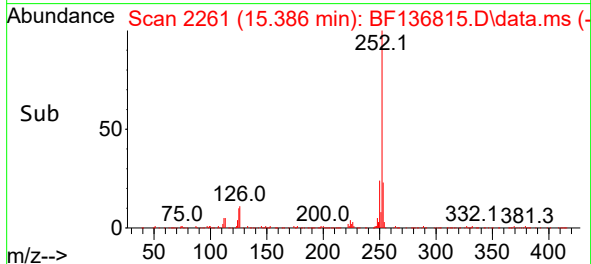
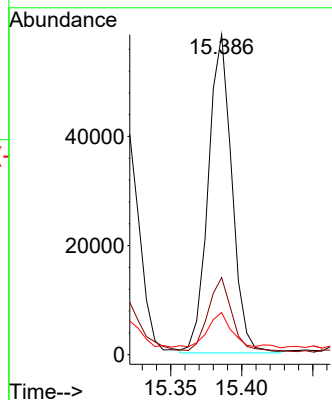
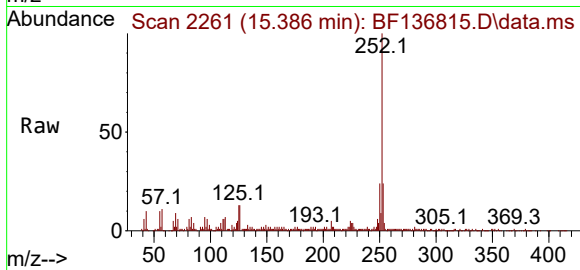
Tgt Ion:252 Resp: 67613

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 13.2 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 7.296 ng

RT: 17.409 min Scan# 2605

Delta R.T. -0.000 min

Lab File: BF136815.D

Acq: 29 Dec 2023 02:26

Tgt Ion:276 Resp: 37059

Ion Ratio Lower Upper

276 100

277 27.7 18.3 27.5#

138 23.0 15.6 23.4

