

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135095.D
 Acq On : 05 Sep 2023 14:59
 Operator : CG\JU
 Sample : 04110-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-24(4-5)

Quant Time: Sep 05 17:12:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

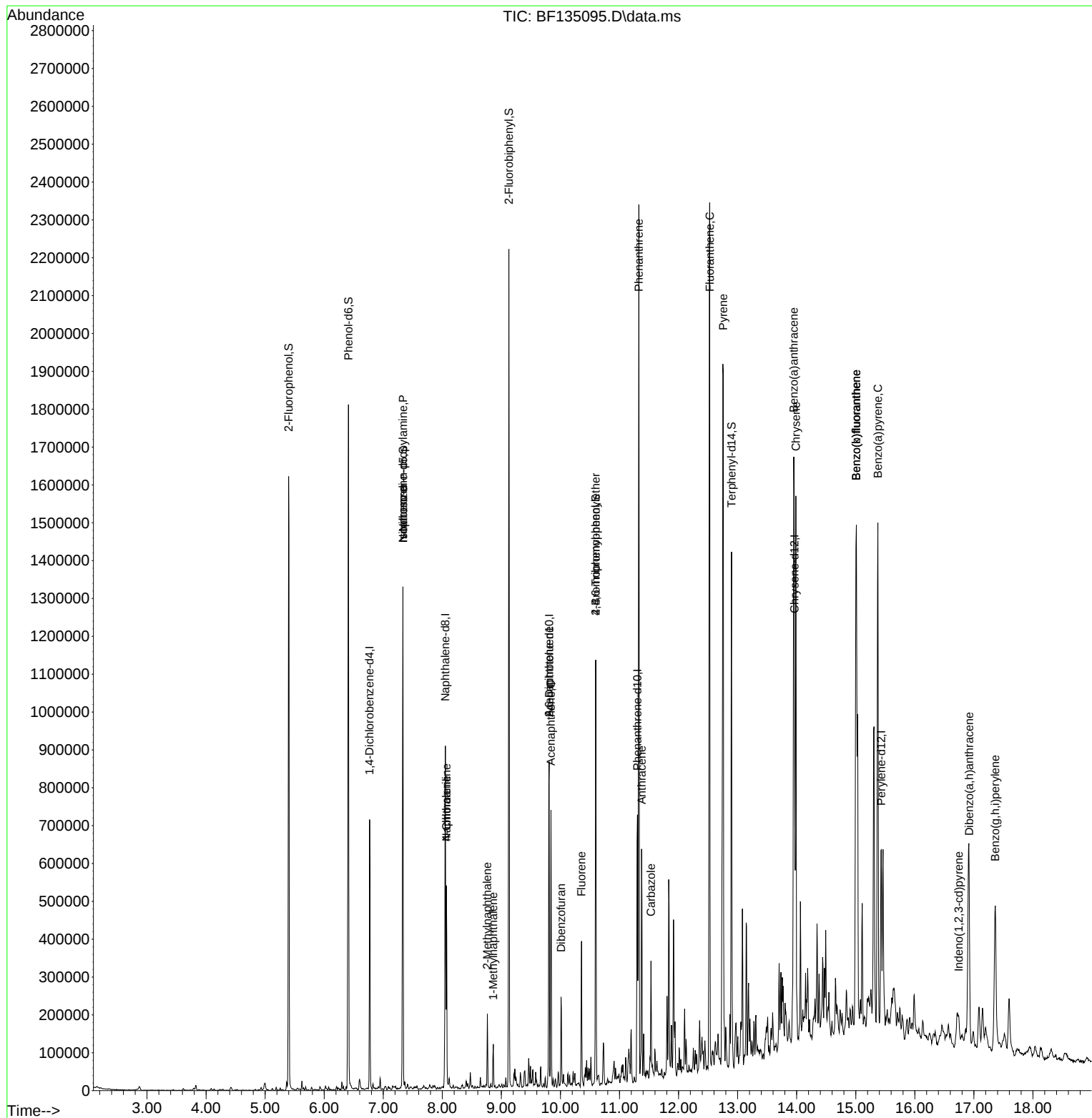
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	94323	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	365232	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	174616	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	271284	20.000	ng	0.00
76) Chrysene-d12	13.962	240	183415	20.000	ng	0.00
86) Perylene-d12	15.433	264	221413	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	444055	72.718	ng	0.00
7) Phenol-d6	6.410	99	555870	73.031	ng	0.00
23) Nitrobenzene-d5	7.333	82	383287	58.958	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	114725	61.936	ng	-0.01
45) 2-Fluorobiphenyl	9.127	172	624193	58.199	ng	-0.01
79) Terphenyl-d14	12.898	244	426409	37.939	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.333	70	51885	11.476	ng	# 76
25) Isophorone	7.333	82	381562	30.956	ng	# 65
31) Naphthalene	8.069	128	207091	11.607	ng	100
33) 4-Chloroaniline	8.069	127	26607	3.410	ng	# 34
37) 2-Methylnaphthalene	8.763	142	45398	3.814	ng	100
38) 1-Methylnaphthalene	8.863	142	27753	2.492	ng	96
51) 2,6-Dinitrotoluene	9.810	165	24353	9.077	ng	# 22
52) Acenaphthene	9.839	154	136957	14.171	ng	98
55) Dibenzofuran	10.010	168	75624	5.424	ng	95
58) Fluorene	10.357	166	85207	8.017	ng	98
67) 4-Bromophenyl-phenylether	10.598	248	7047	2.449	ng	# 1
69) Atrazine	11.045	200	67	Below Cal		# 14
71) Phenanthrene	11.327	178	803004	57.375	ng	99
72) Anthracene	11.374	178	221481	15.489	ng	99
73) Carbazole	11.533	167	104992	8.513	ng	99
75) Fluoranthene	12.527	202	975272	68.922	ng	99
78) Pyrene	12.757	202	850261	48.825	ng	100
81) Benzo(a)anthracene	13.951	228	614414	49.108	ng	98
83) Chrysene	13.986	228	503906	40.982	ng	96
87) Indeno(1,2,3-cd)pyrene	16.745	276	64418	4.319	ng	99
88) Benzo(b)fluoranthene	15.009	252	1124796	81.645	ng	100
89) Benzo(k)fluoranthene	15.009	252	1124796	84.511	ng	99
90) Benzo(a)pyrene	15.374	252	651520	50.908	ng	97
91) Dibenzo(a,h)anthracene	16.921	278	91264	7.556	ng	95
92) Benzo(g,h,i)perylene	17.362	276	334990	26.665	ng	96

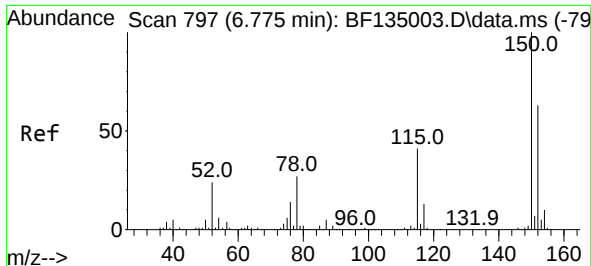
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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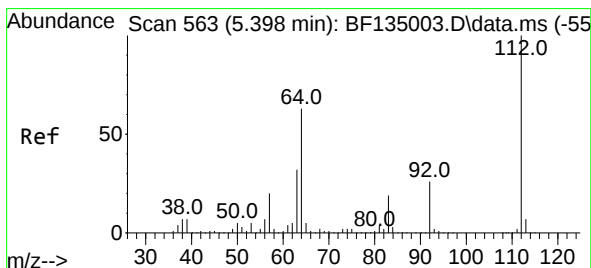
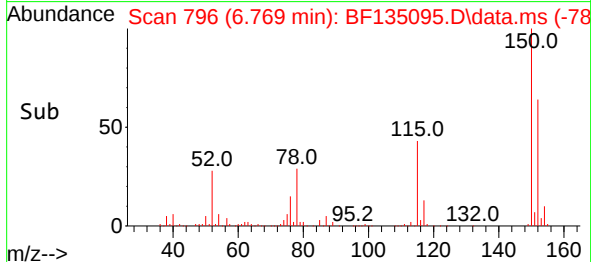
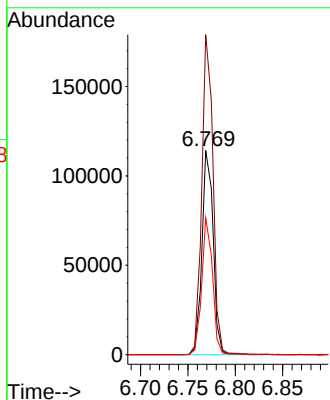
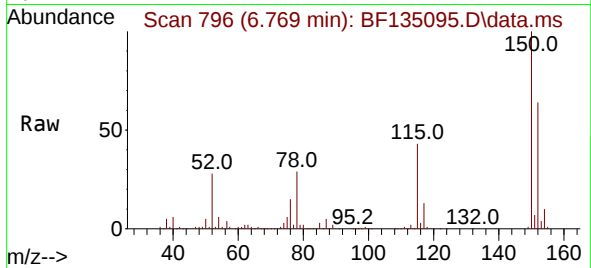




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

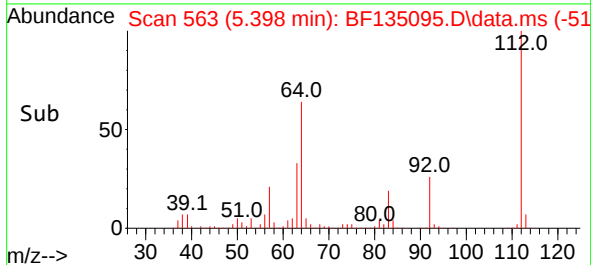
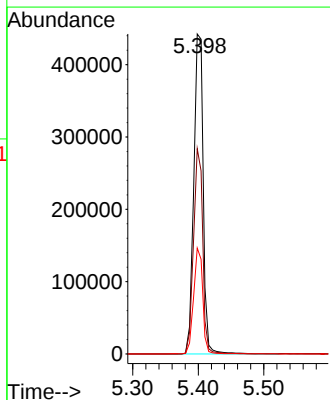
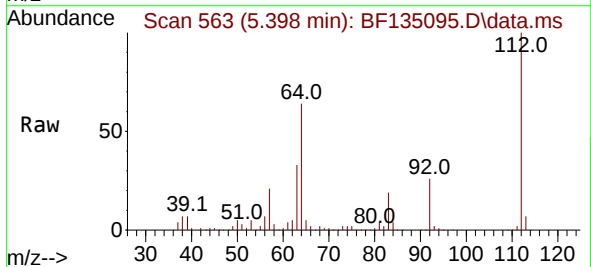
Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

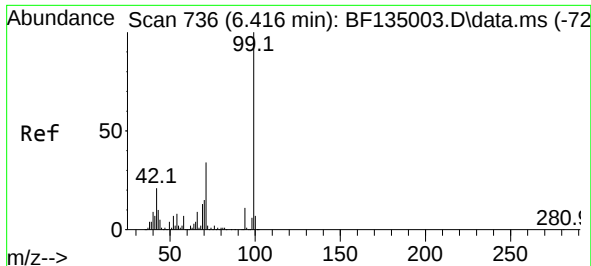
Tgt Ion:152 Resp: 94323
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.4
115 67.0 51.2 76.8



#5
2-Fluorophenol
Concen: 72.718 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.000 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion:112 Resp: 444055
Ion Ratio Lower Upper
112 100
64 64.2 50.5 75.7
63 33.1 25.9 38.9

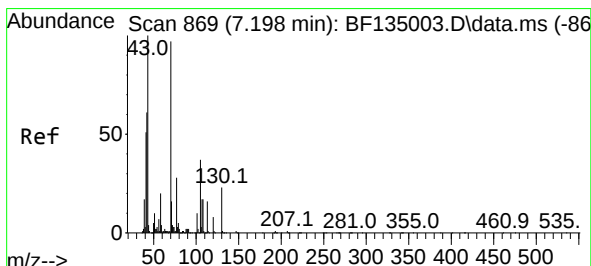
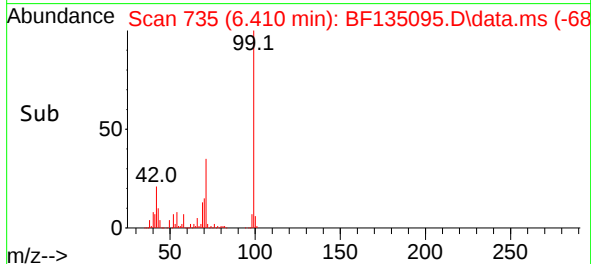
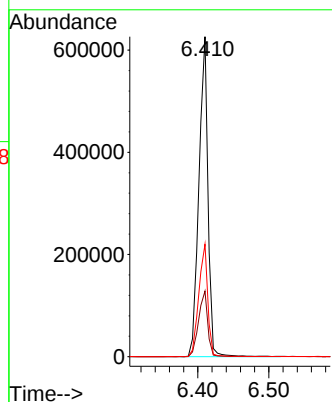
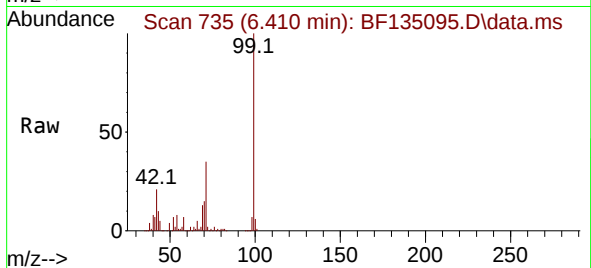




#7
Phenol-d6
Concen: 73.031 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

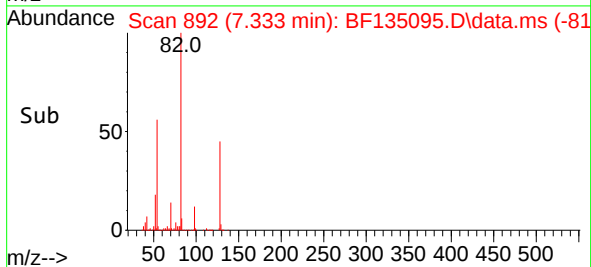
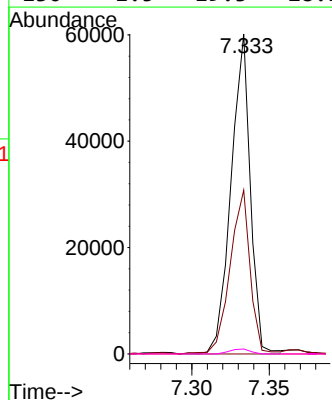
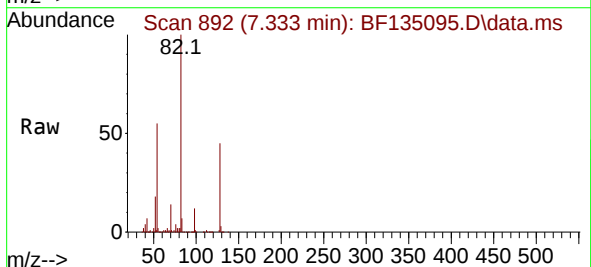
Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

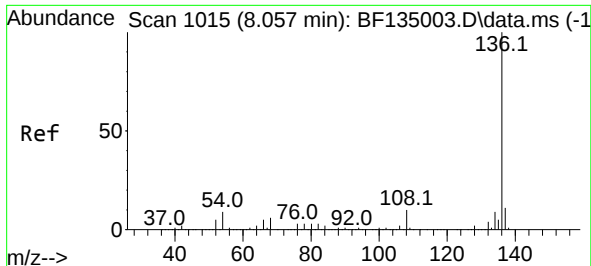
Tgt Ion: 99 Resp: 555870
Ion Ratio Lower Upper
99 100
42 20.5 16.6 25.0
71 35.1 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.476 ng
RT: 7.333 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion: 70 Resp: 51885
Ion Ratio Lower Upper
70 100
42 51.2 50.2 75.4
101 0.0 8.1 12.1#
130 1.5 19.3 28.9#

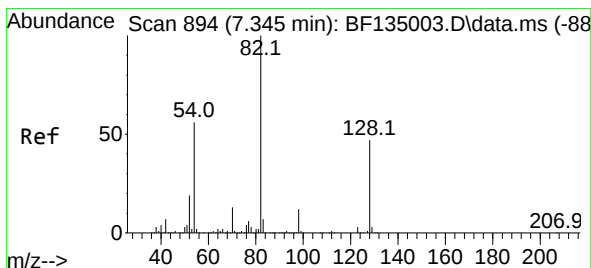
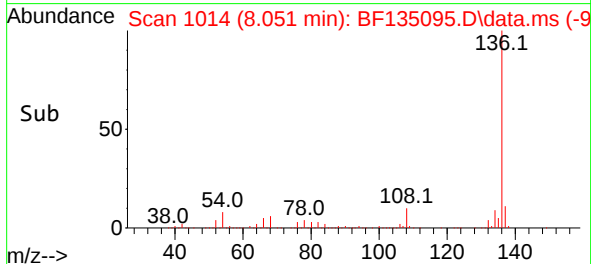
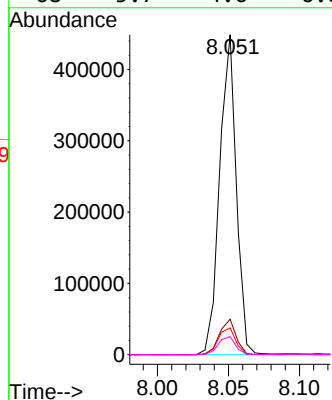
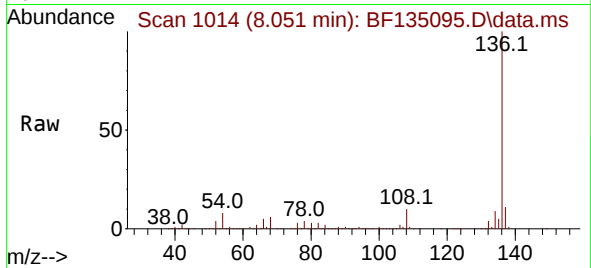




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

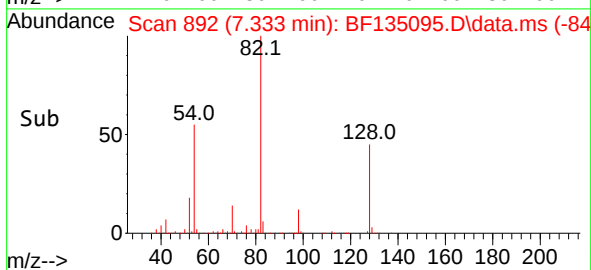
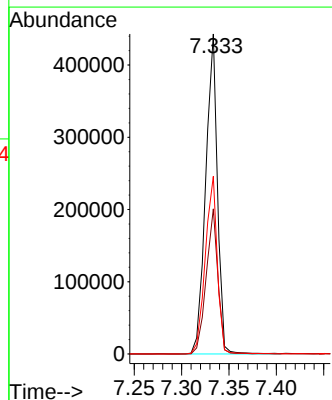
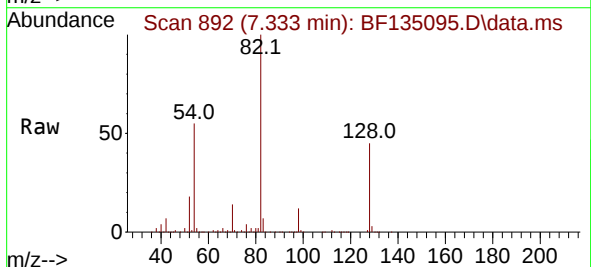
Instrument :
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ClientSampleId :
TP-24(4-5)

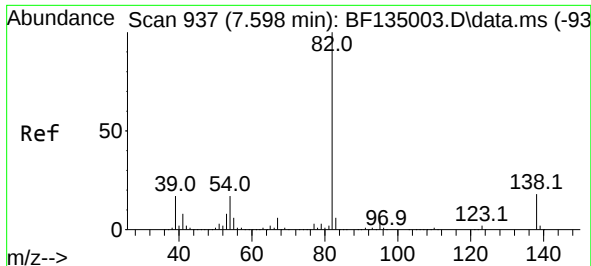
Tgt	Ion:136	Resp:	365232
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.3	7.0	10.4
68	5.7	4.6	6.8



#23
Nitrobenzene-d5
Concen: 58.958 ng
RT: 7.333 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135095.D
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Tgt Ion: 82	Resp: 383287
Ion Ratio	Lower Upper
82 100	
128 45.4	37.8 56.8
54 55.5	45.0 67.6

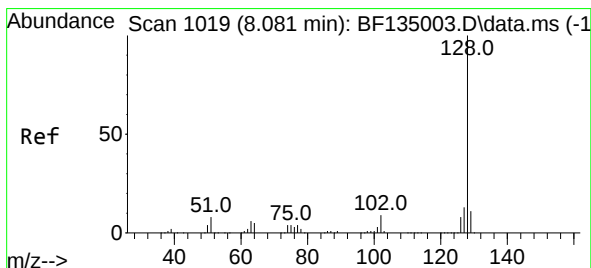
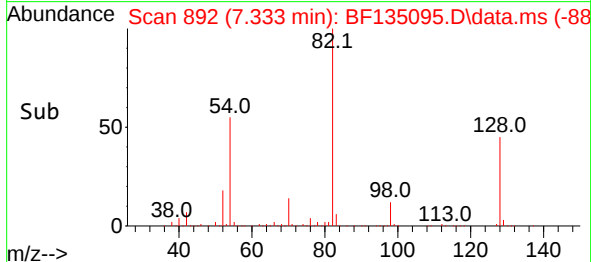
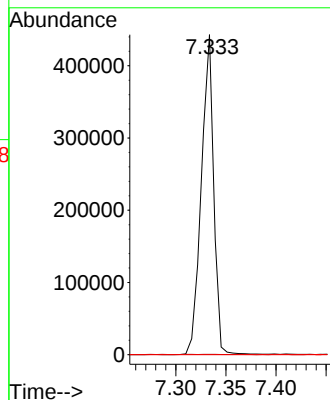
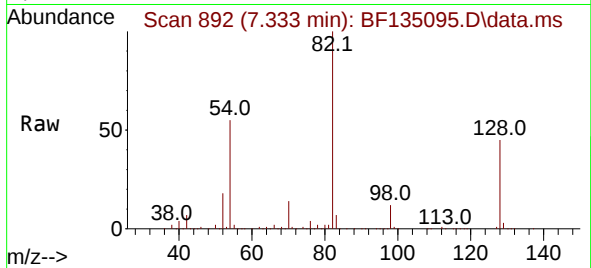




#25
Isophorone
Concen: 30.956 ng
RT: 7.333 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

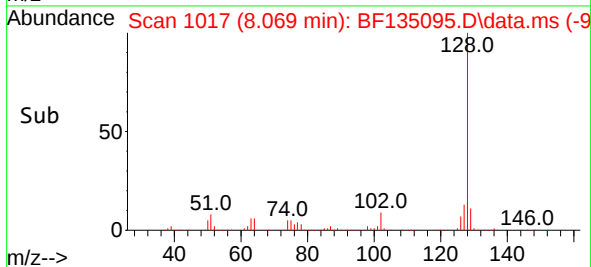
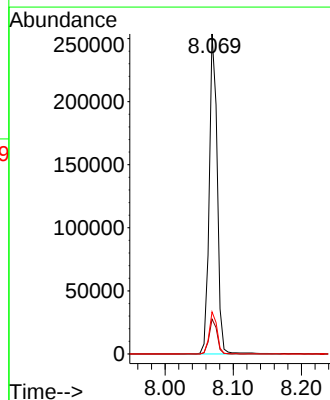
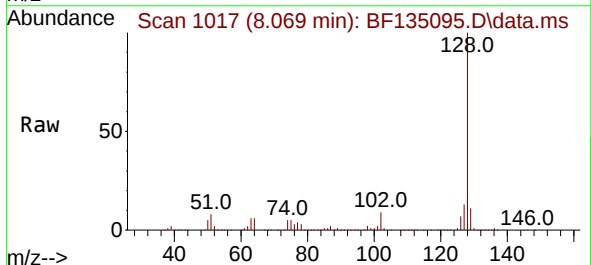
Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

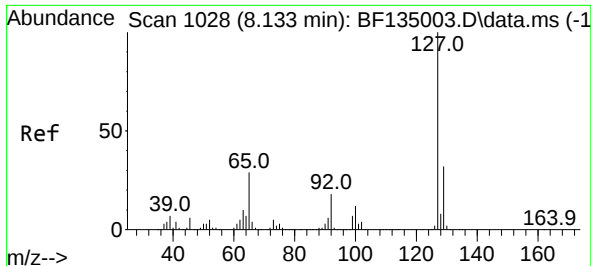
Tgt Ion: 82 Resp: 381562
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 14.7 22.1#



#31
Naphthalene
Concen: 11.607 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion: 128 Resp: 207091
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.6 16.0

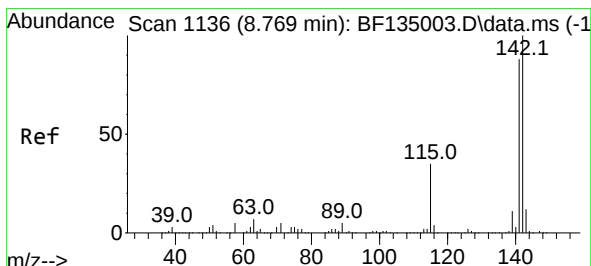
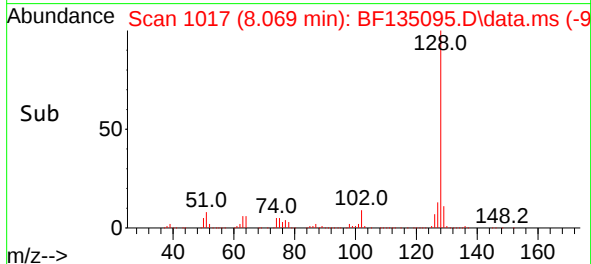
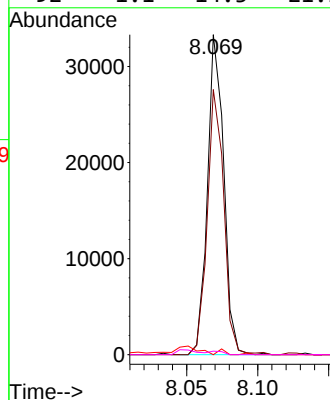
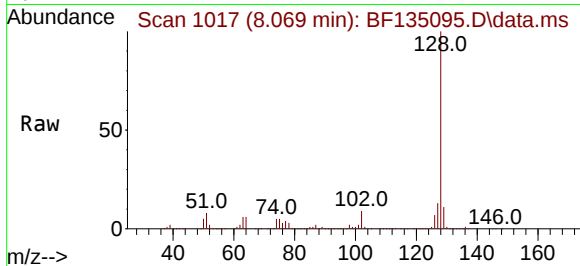




#33
4-Chloroaniline
Concen: 3.410 ng
RT: 8.069 min Scan# 1028
Delta R.T. -0.065 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

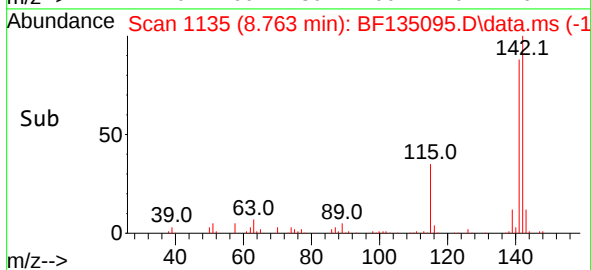
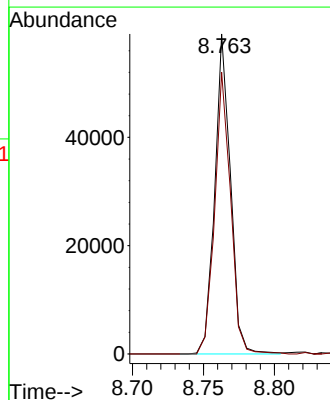
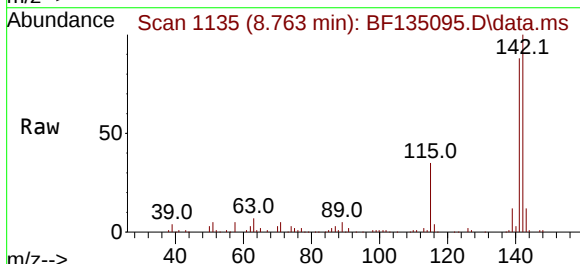
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ClientSampleId :
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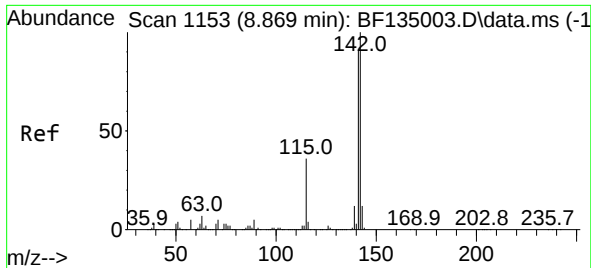
Tgt Ion:	127	Resp:	26607
Ion	Ratio	Lower	Upper
127	100		
129	82.9	25.6	38.4#
65	0.0	23.1	34.7#
92	1.1	14.3	21.5#



#37
2-Methylnaphthalene
Concen: 3.814 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion:	142	Resp:	45398
Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.7	106.1

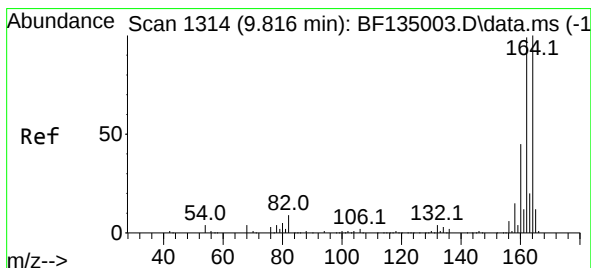
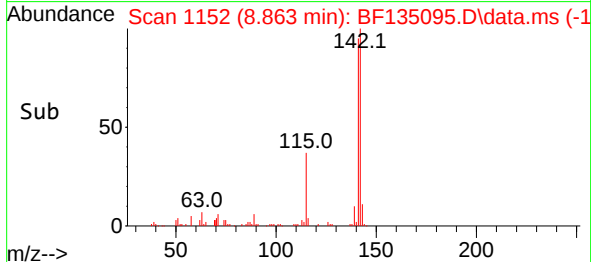
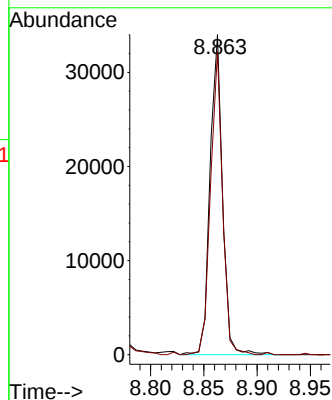
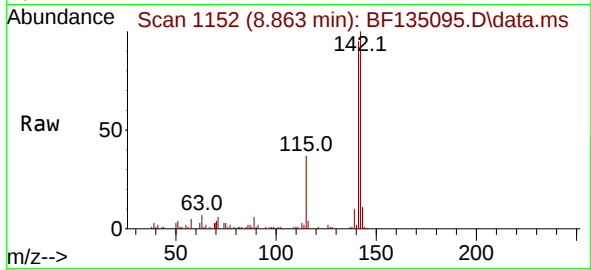




#38
1-Methylnaphthalene
Concen: 2.492 ng
RT: 8.863 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

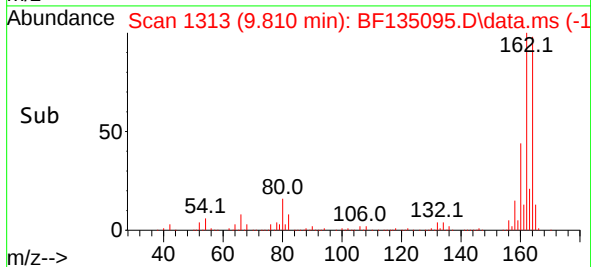
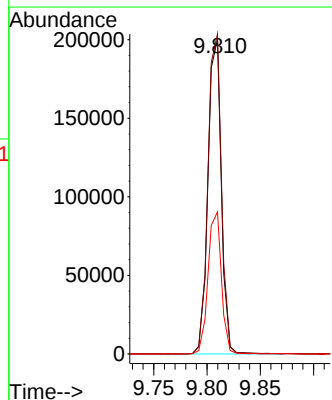
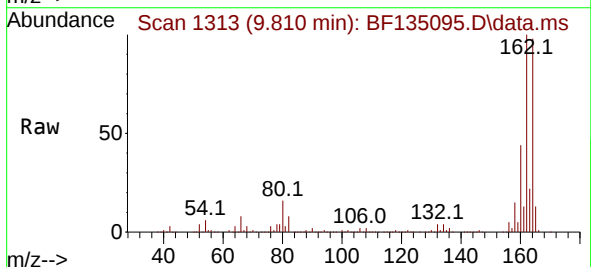
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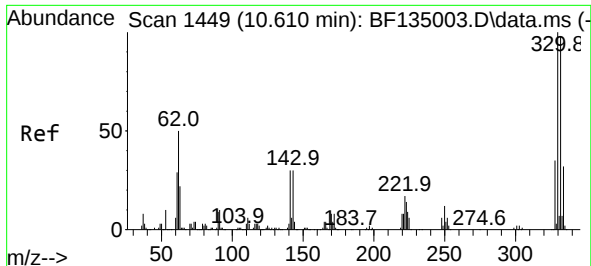
Tgt Ion:142 Resp: 27753
Ion Ratio Lower Upper
142 100
141 94.8 73.0 109.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

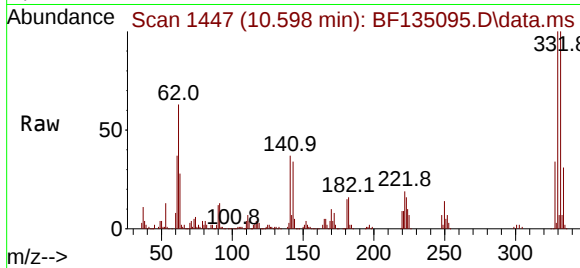
Tgt Ion:164 Resp: 174616
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 45.1 36.0 54.0



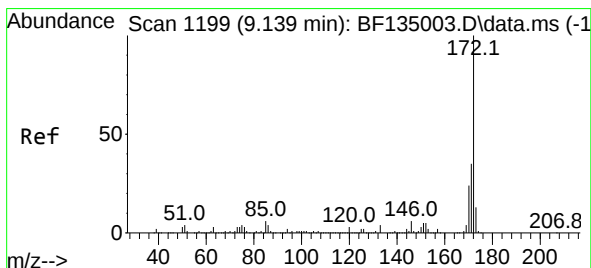
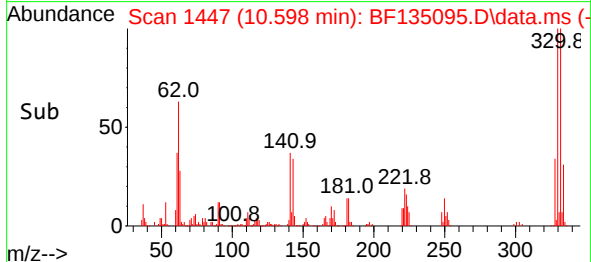
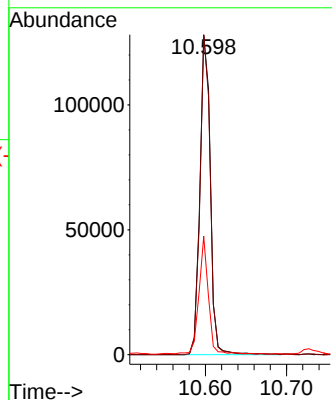


#42
 2,4,6-Tribromophenol
 Concen: 61.936 ng
 RT: 10.598 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF135095.D
 Acq: 05 Sep 2023 14:59

Instrument :
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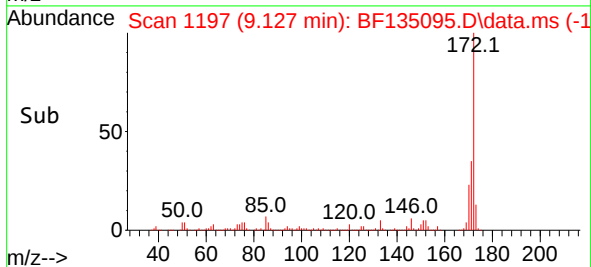
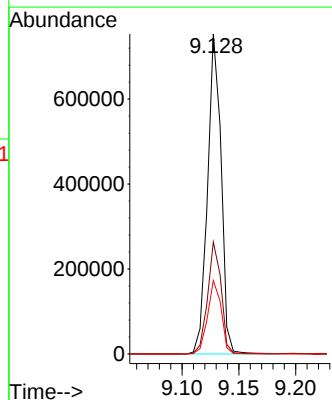
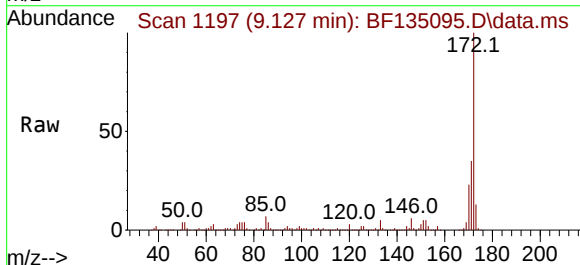


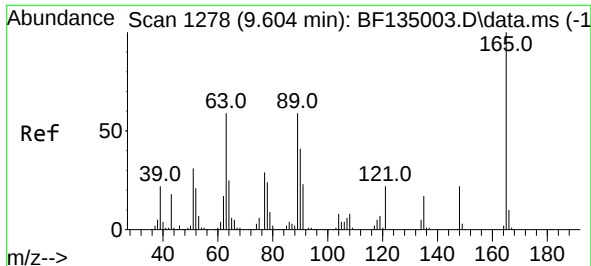
Tgt Ion:330 Resp: 114725
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.6 116.4
 141 34.0 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 58.199 ng
 RT: 9.127 min Scan# 1197
 Delta R.T. -0.012 min
 Lab File: BF135095.D
 Acq: 05 Sep 2023 14:59

Tgt Ion:172 Resp: 624193
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.2
 170 22.9 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 9.077 ng

RT: 9.810 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

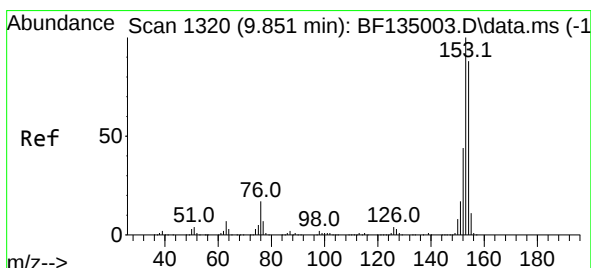
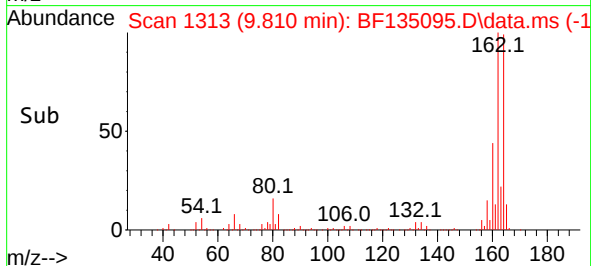
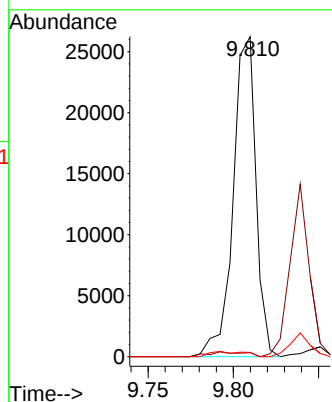
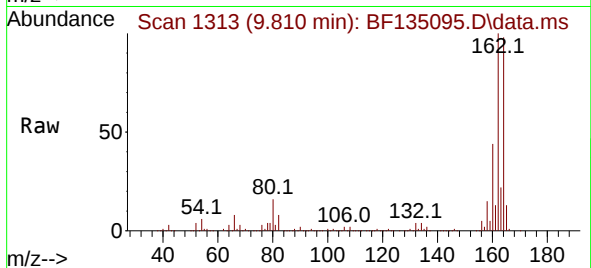
Tgt Ion:165 Resp: 24353

Ion Ratio Lower Upper

165 100

63 1.2 50.4 75.6#

89 1.3 47.1 70.7#



#52

Acenaphthene

Concen: 14.171 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.012 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

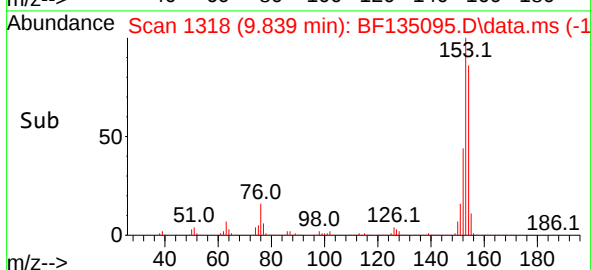
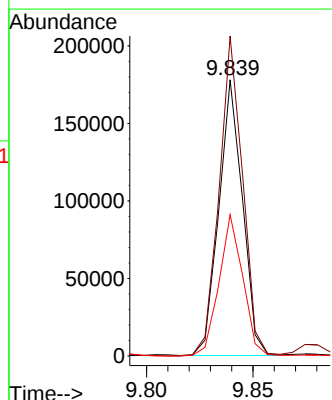
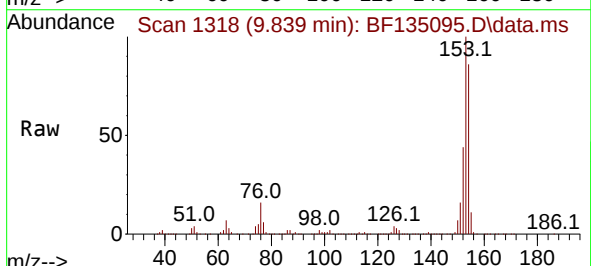
Tgt Ion:154 Resp: 136957

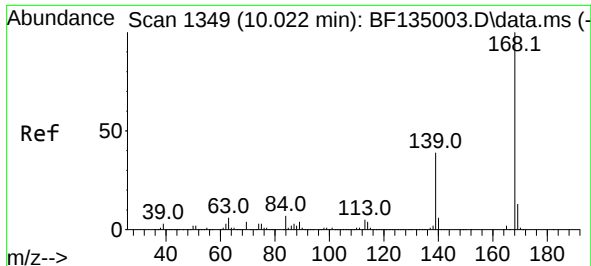
Ion Ratio Lower Upper

154 100

153 115.9 90.8 136.2

152 51.2 40.2 60.4

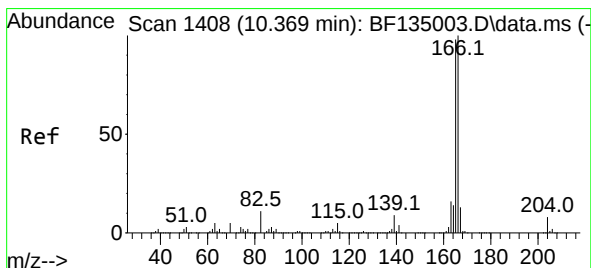
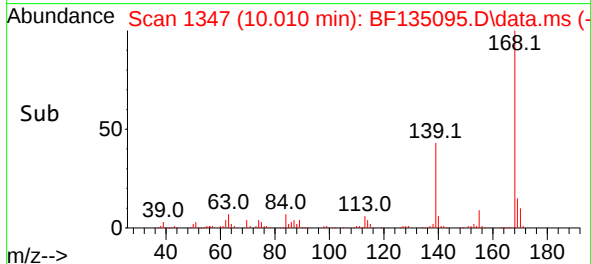
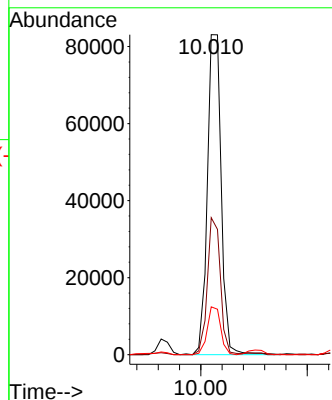
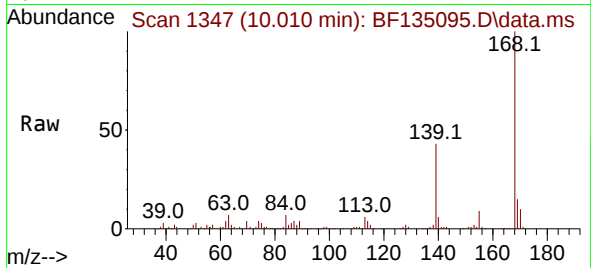




#55
Dibenzofuran
Concen: 5.424 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

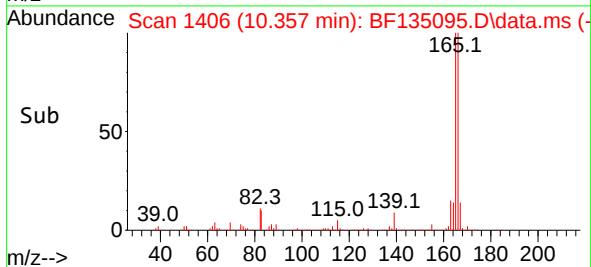
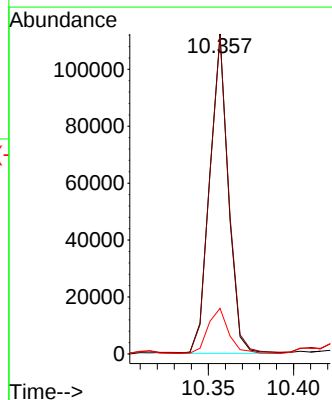
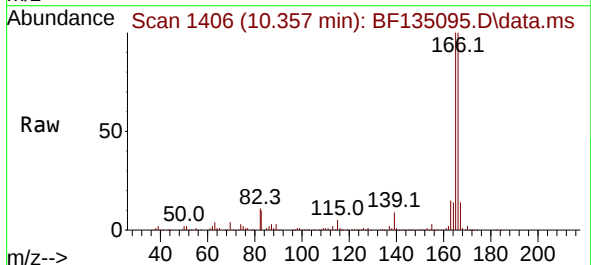
Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

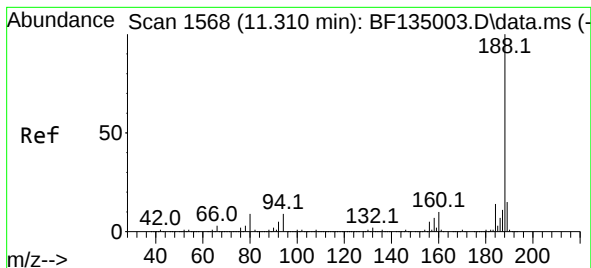
Tgt Ion:168 Resp: 75624
Ion Ratio Lower Upper
168 100
139 42.8 31.5 47.3
169 14.9 10.7 16.1



#58
Fluorene
Concen: 8.017 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion:166 Resp: 85207
Ion Ratio Lower Upper
166 100
165 99.6 78.0 117.0
167 14.2 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

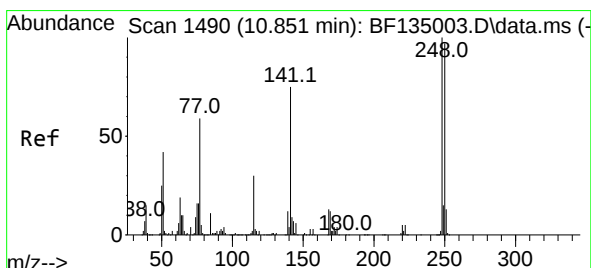
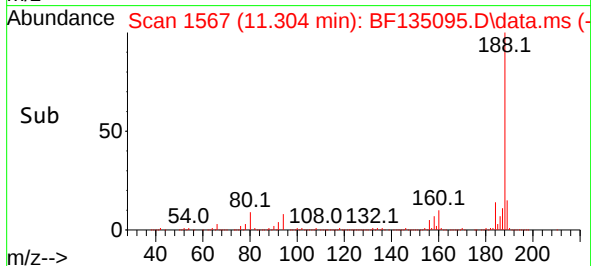
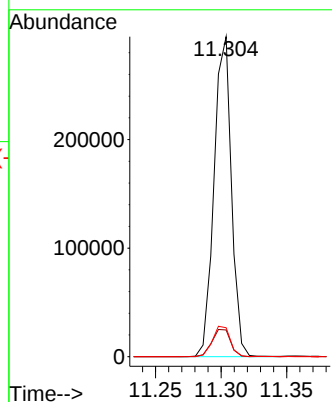
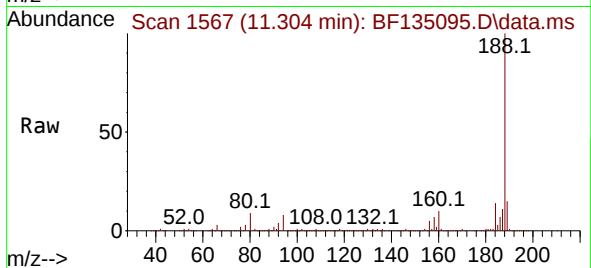
Tgt Ion:188 Resp: 271284

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.4

80 9.1 7.4 11.2



#67

4-Bromophenyl-phenylether

Concen: 2.449 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.253 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

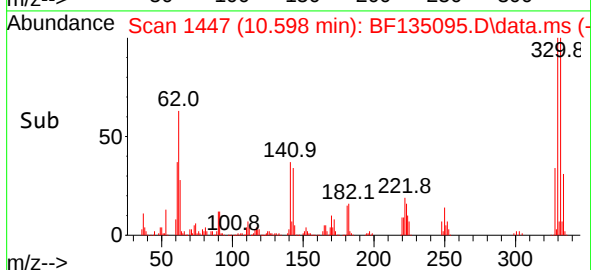
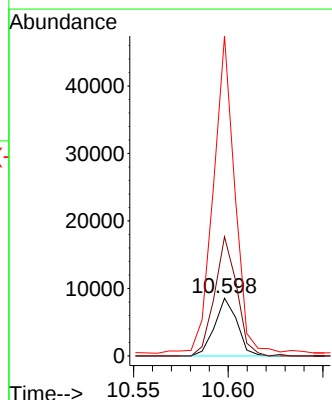
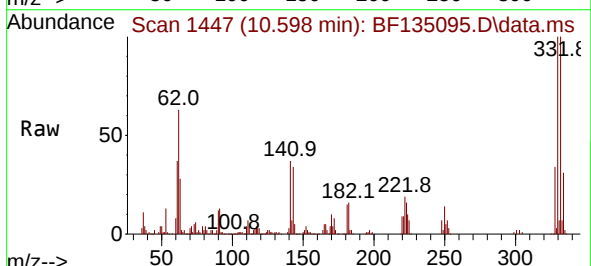
Tgt Ion:248 Resp: 7047

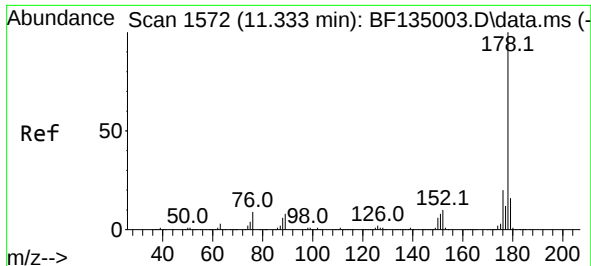
Ion Ratio Lower Upper

248 100

250 206.4 77.9 116.9#

141 554.2 59.8 89.8#

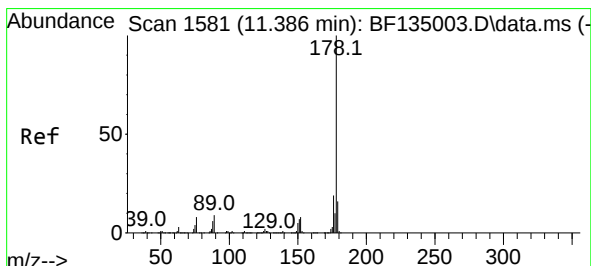
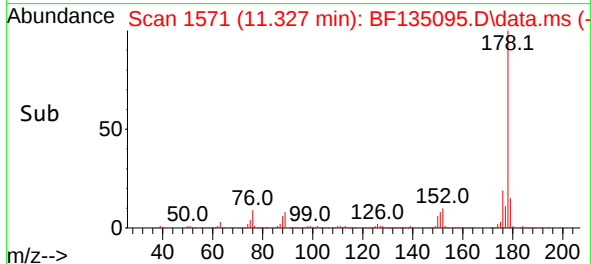
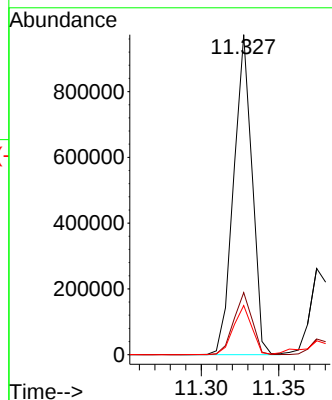
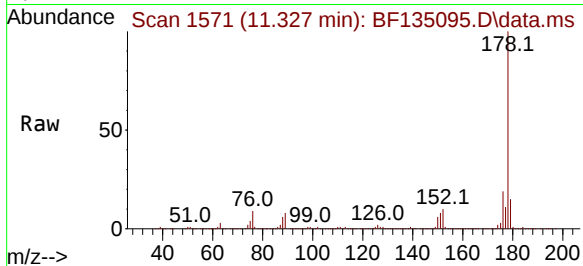




#71
Phenanthrene
Concen: 57.375 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

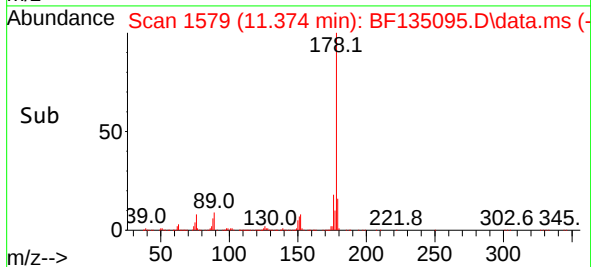
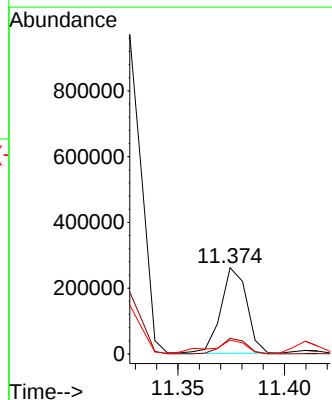
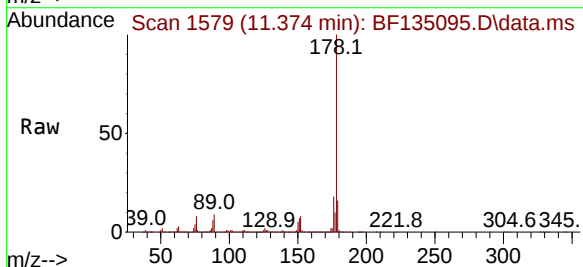
Instrument :
BNA_F
ClientSampleId :
TP-24(4-5)

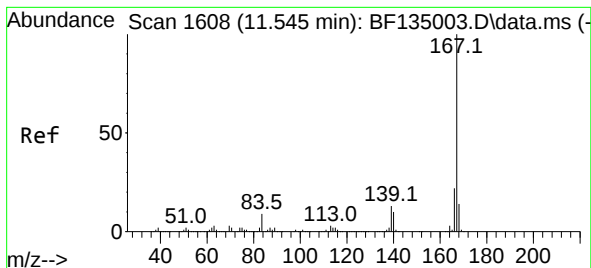
Tgt Ion:178 Resp: 803004
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 15.489 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135095.D
Acq: 05 Sep 2023 14:59

Tgt Ion:178 Resp: 221481
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 16.1 12.8 19.2





#73

Carbazole

Concen: 8.513 ng

RT: 11.533 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

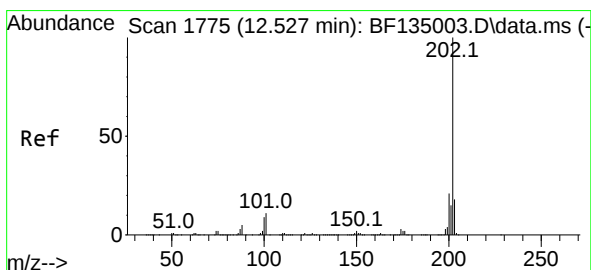
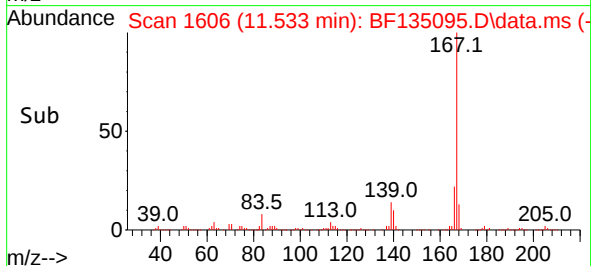
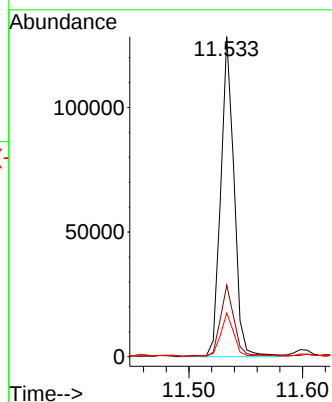
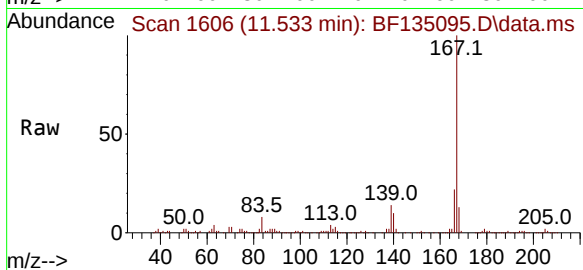
Tgt Ion:167 Resp: 104992

Ion Ratio Lower Upper

167 100

166 22.4 17.4 26.2

139 13.7 10.3 15.5



#75

Fluoranthene

Concen: 68.922 ng

RT: 12.527 min Scan# 1775

Delta R.T. -0.000 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

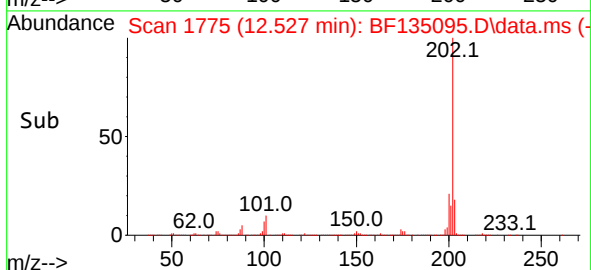
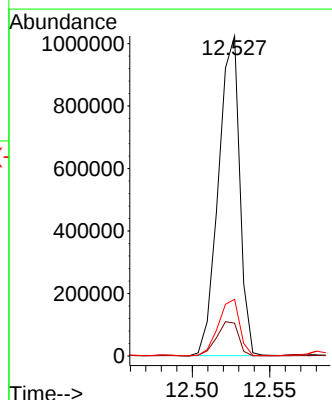
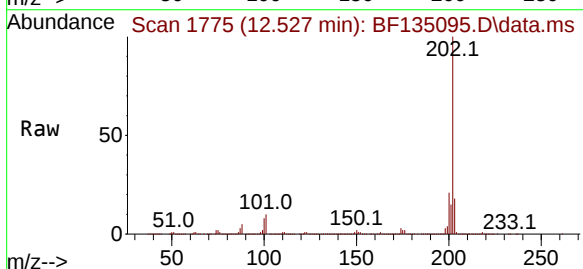
Tgt Ion:202 Resp: 975272

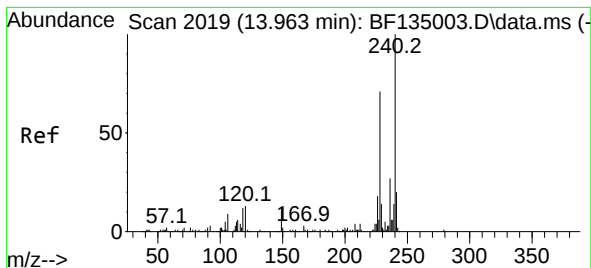
Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.5

203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

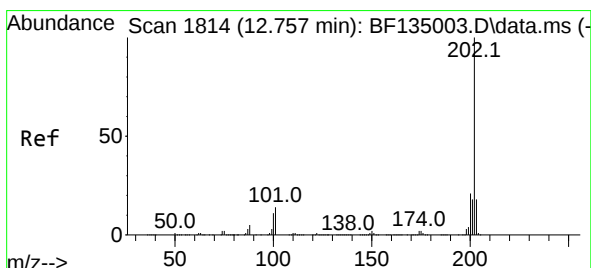
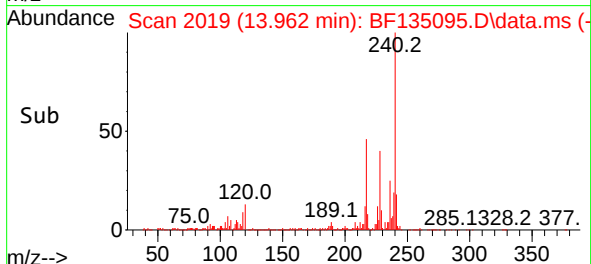
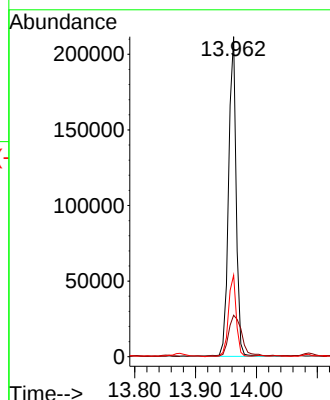
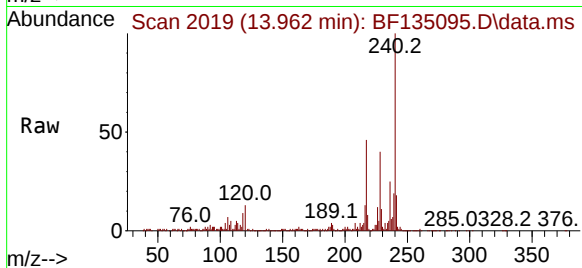
Tgt Ion:240 Resp: 183415

Ion Ratio Lower Upper

240 100

120 13.0 10.2 15.2

236 25.5 21.3 31.9



#78

Pyrene

Concen: 48.825 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.000 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

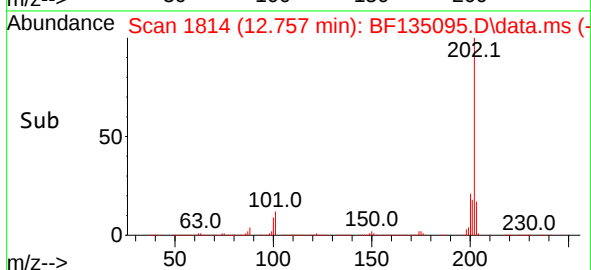
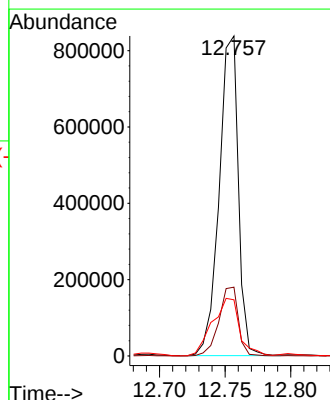
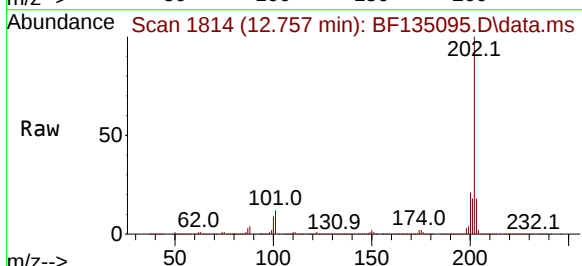
Tgt Ion:202 Resp: 850261

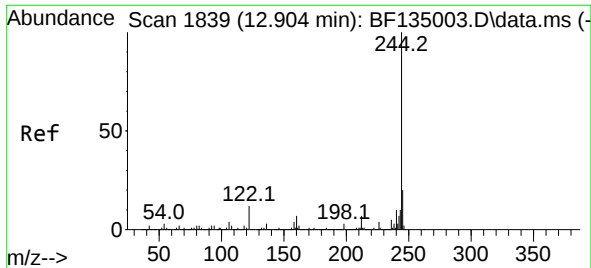
Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 17.6 14.2 21.2

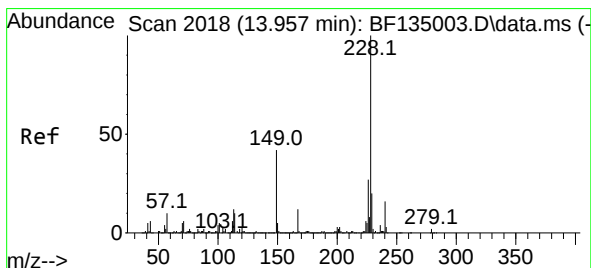
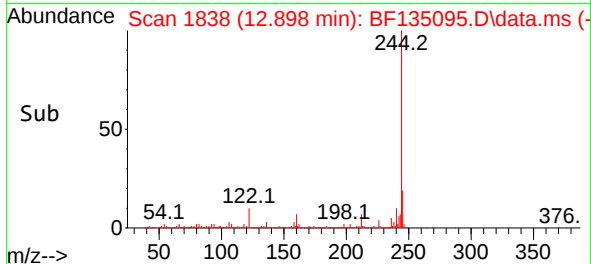
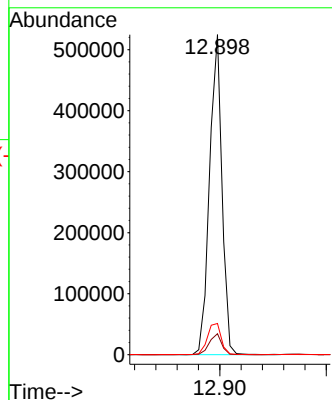
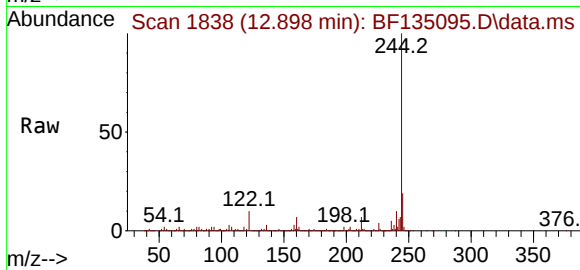




#79
 Terphenyl-d14
 Concen: 37.939 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135095.D
 Acq: 05 Sep 2023 14:59

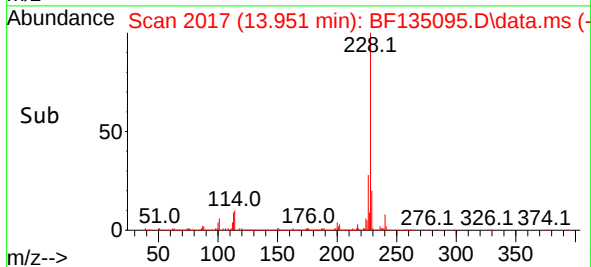
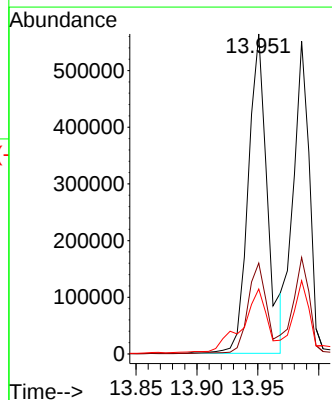
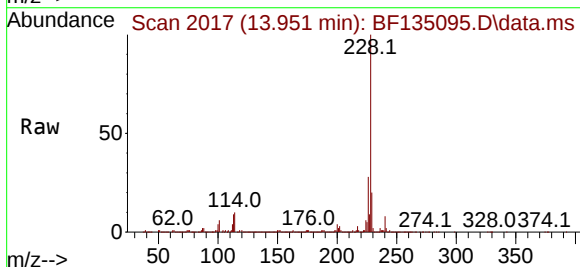
Instrument :
 BNA_F
 ClientSampleId :
 TP-24(4-5)

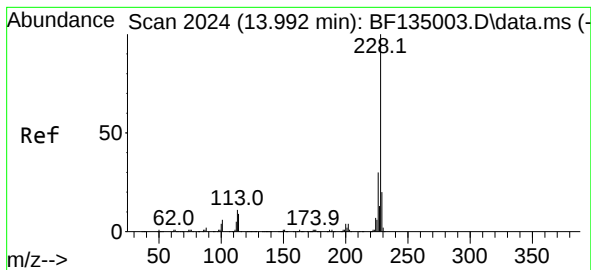
Tgt Ion:244 Resp: 426409
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.7 9.8 14.6#



#81
 Benzo(a)anthracene
 Concen: 49.108 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF135095.D
 Acq: 05 Sep 2023 14:59

Tgt Ion:228 Resp: 614414
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 20.3 15.6 23.4





#83

Chrysene

Concen: 40.982 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

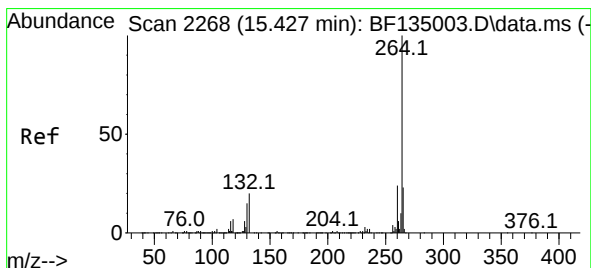
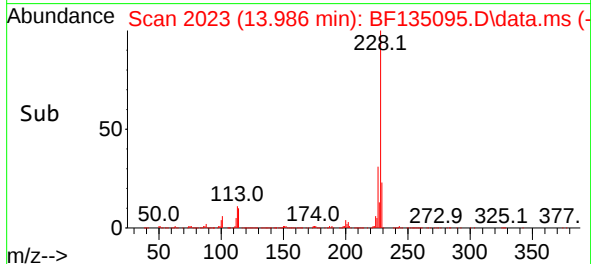
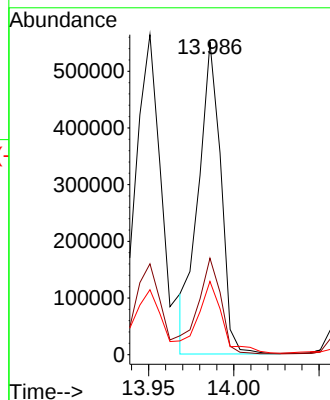
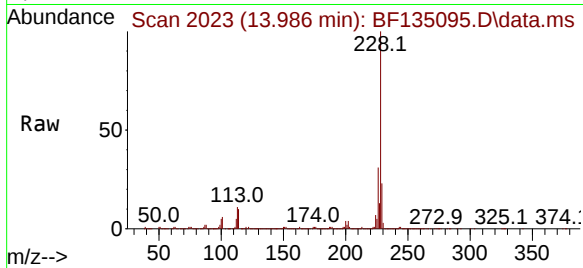
Tgt Ion:228 Resp: 503906

Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.4

229 23.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

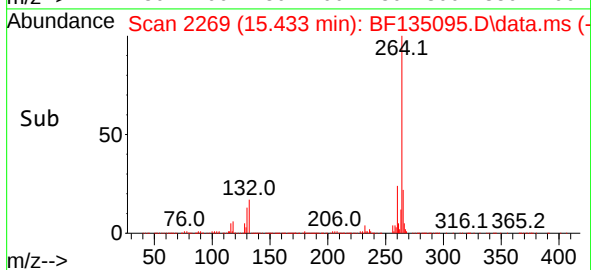
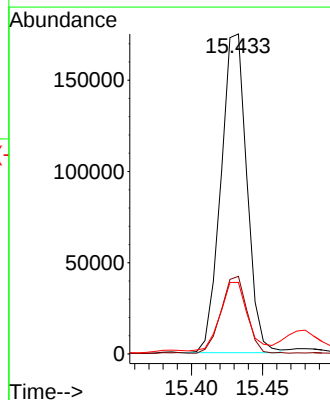
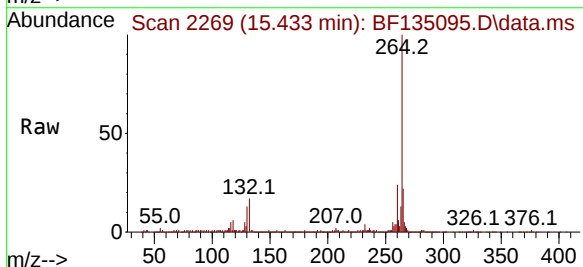
Tgt Ion:264 Resp: 221413

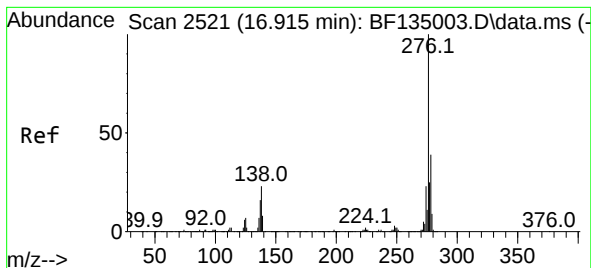
Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.3 18.2 27.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.319 ng

RT: 16.745 min Scan# 2492

Delta R.T. -0.171 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

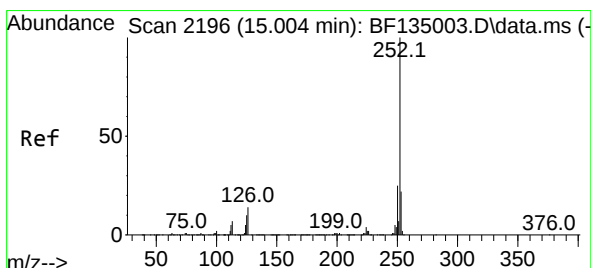
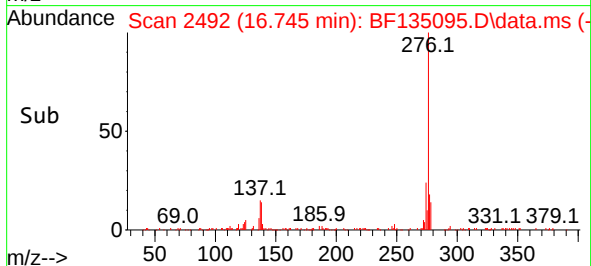
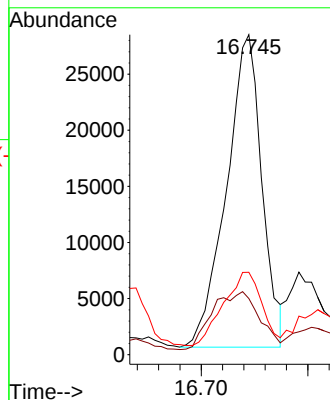
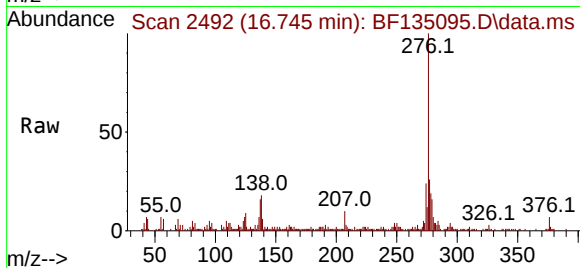
Tgt Ion:276 Resp: 64418

Ion Ratio Lower Upper

276 100

138 24.7 20.2 30.2

277 25.3 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 81.645 ng

RT: 15.009 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

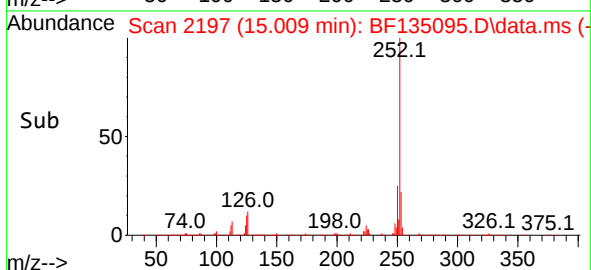
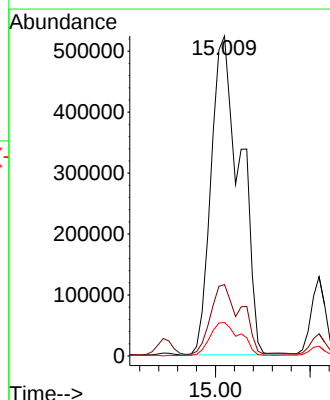
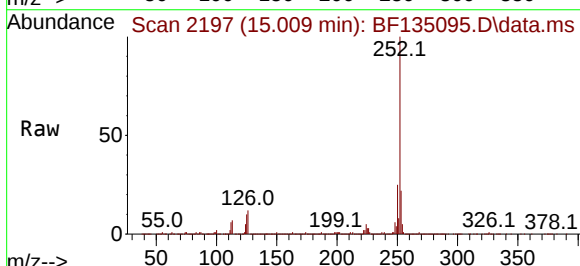
Tgt Ion:252 Resp: 1124796

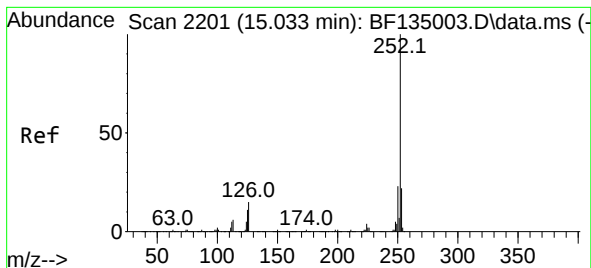
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 10.4 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 84.511 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.024 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

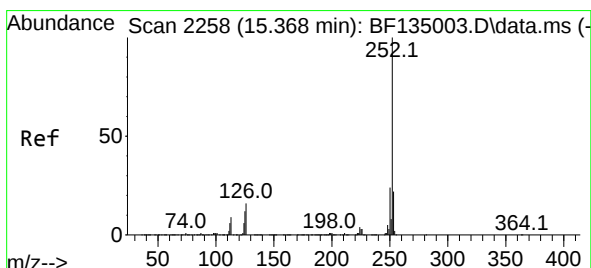
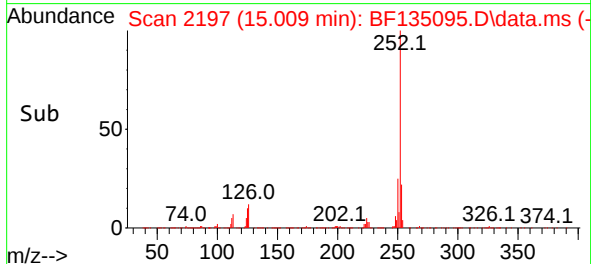
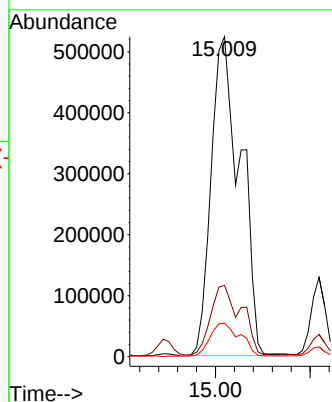
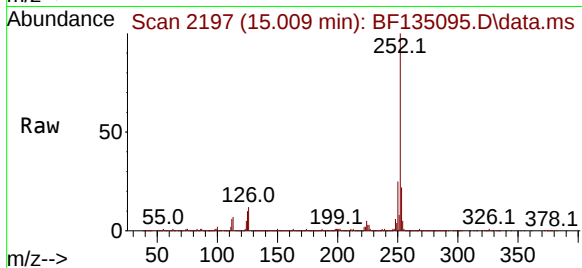
Tgt Ion:252 Resp: 1124796

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.4 8.5 12.7



#90

Benzo(a)pyrene

Concen: 50.908 ng

RT: 15.374 min Scan# 2259

Delta R.T. 0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

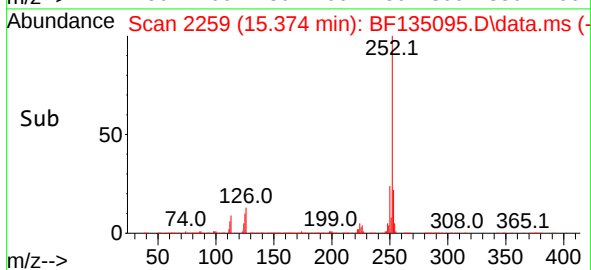
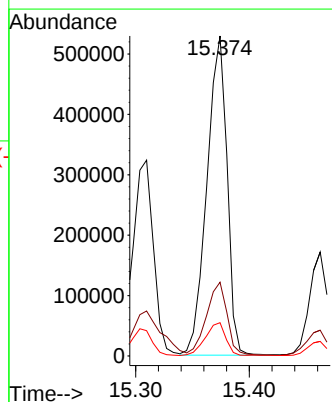
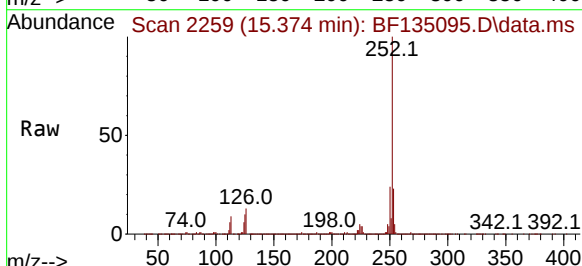
Tgt Ion:252 Resp: 651520

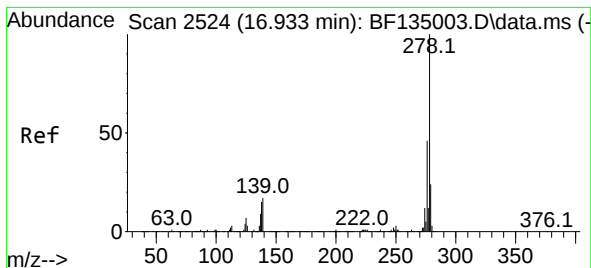
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 10.4 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 7.556 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Instrument :

BNA_F

ClientSampleId :

TP-24(4-5)

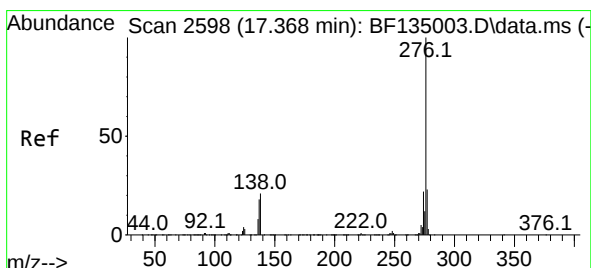
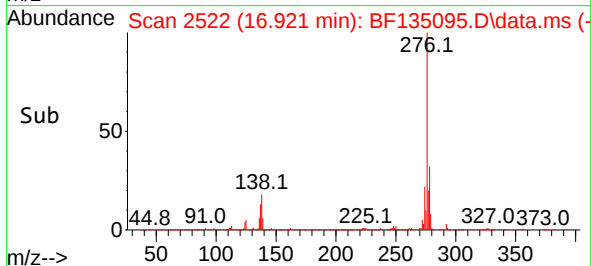
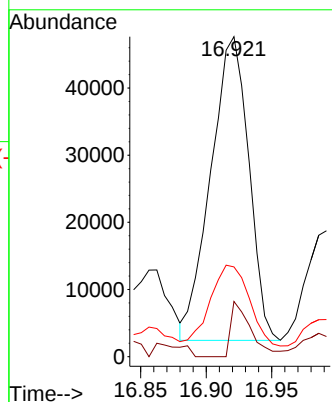
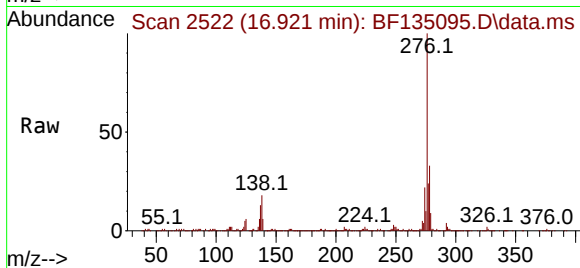
Tgt Ion:278 Resp: 91264

Ion Ratio Lower Upper

278 100

139 17.2 13.4 20.2

279 28.1 19.5 29.3



#92

Benzo(g,h,i)perylene

Concen: 26.665 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.006 min

Lab File: BF135095.D

Acq: 05 Sep 2023 14:59

Tgt Ion:276 Resp: 334990

Ion Ratio Lower Upper

276 100

277 22.4 18.5 27.7

138 17.7 17.1 25.7

