

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134444.D
 Acq On : 24 Jul 2023 23:22
 Operator : CG\JU
 Sample : 03652-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP17

Quant Time: Jul 25 02:55:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

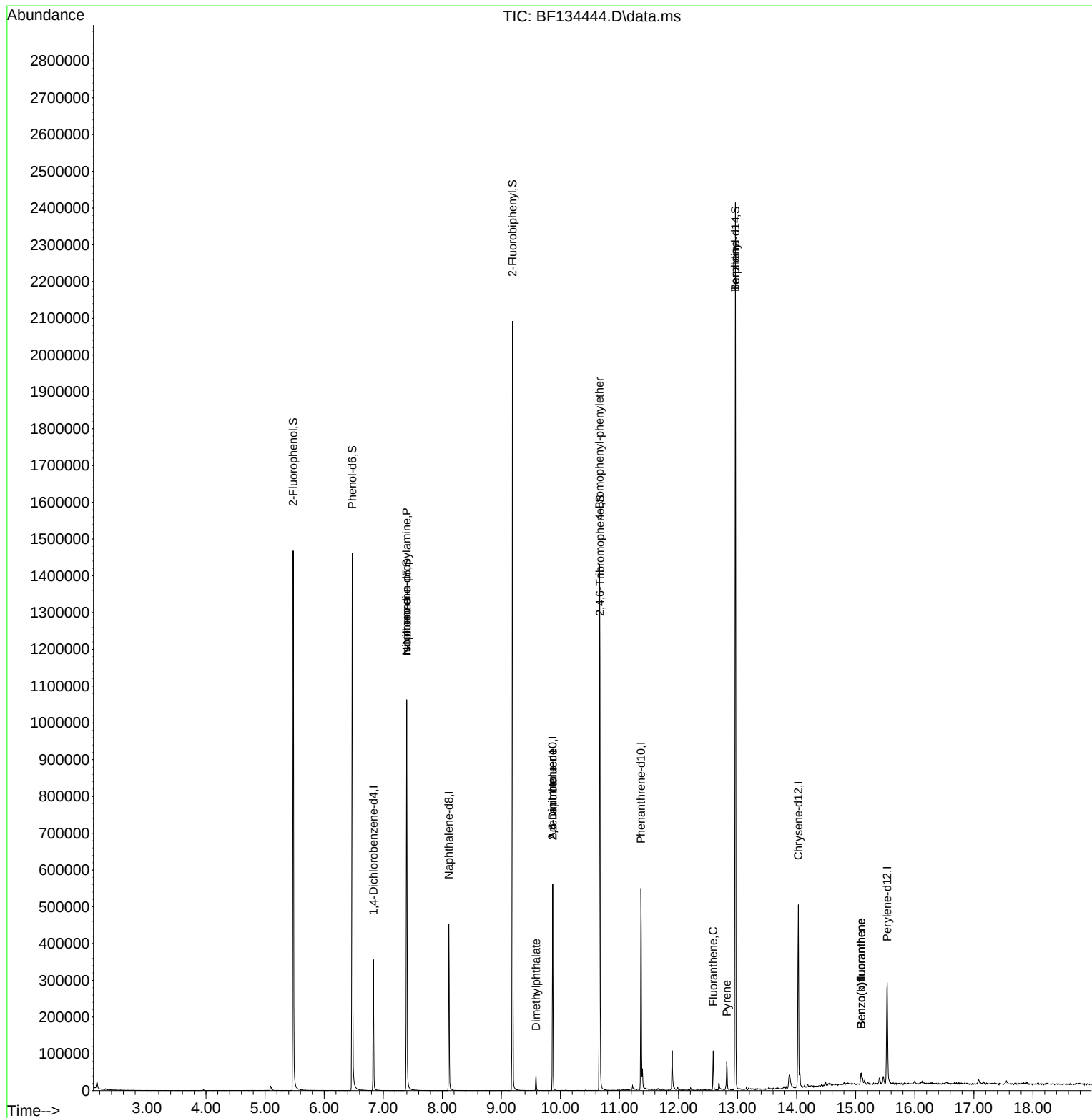
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	49060	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	191409	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	98146	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	197009	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	156361	20.000	ng	0.00
86) Perylene-d12	15.533	264	139574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	367324	123.703	ng	0.00
7) Phenol-d6	6.475	99	486955	133.849	ng	0.00
23) Nitrobenzene-d5	7.398	82	304027	80.362	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	182876	131.143	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	629284	84.172	ng	0.00
79) Terphenyl-d14	12.963	244	817054	91.218	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	43960	19.410	ng	# 74
25) Isophorone	7.398	82	304027	48.219	ng	# 65
50) Dimethylphthalate	9.586	163	17135	2.355	ng	98
51) 2,6-Dinitrotoluene	9.869	165	12124	7.594	ng	# 17
57) 2,4-Dinitrotoluene	9.869	165	12124	5.654	ng	# 18
67) 4-Bromophenyl-phenylether	10.663	248	10690	4.952	ng	# 1
75) Fluoranthene	12.586	202	41666	3.473	ng	98
77) Benzidine	12.963	184	11098	3.324	ng	# 91
78) Pyrene	12.816	202	32721	2.632	ng	99
88) Benzo(b)fluoranthene	15.092	252	22190	2.541	ng	# 90
89) Benzo(k)fluoranthene	15.092	252	22190	2.584	ng	# 91

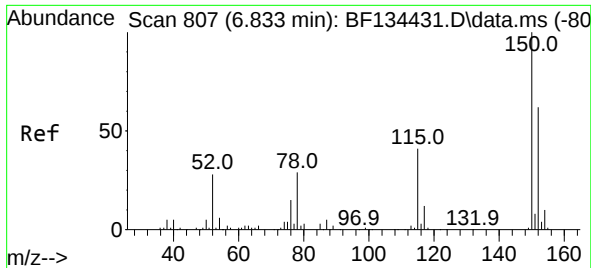
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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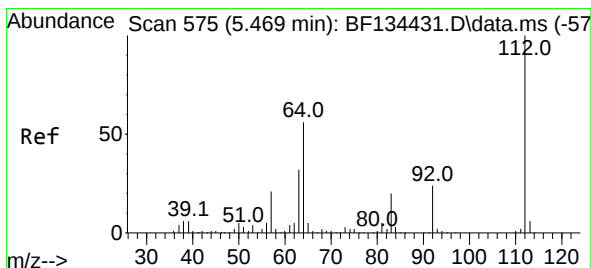
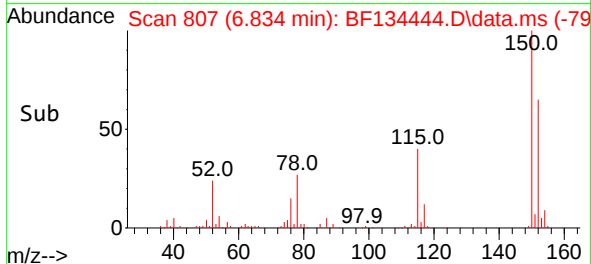
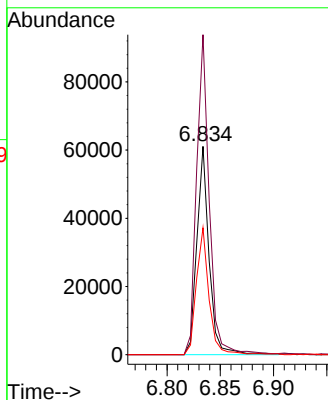
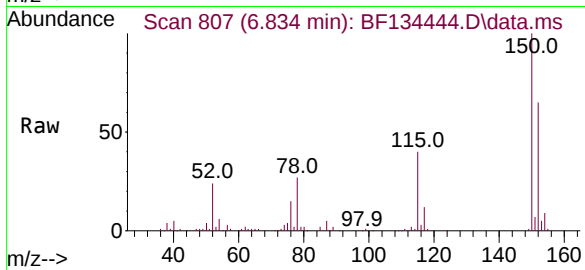




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

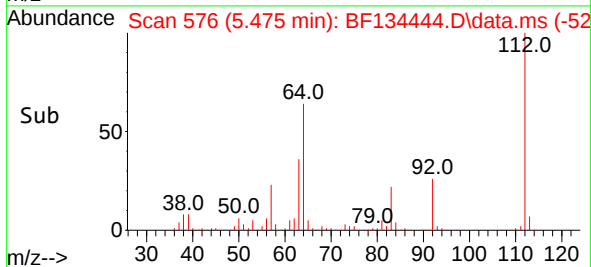
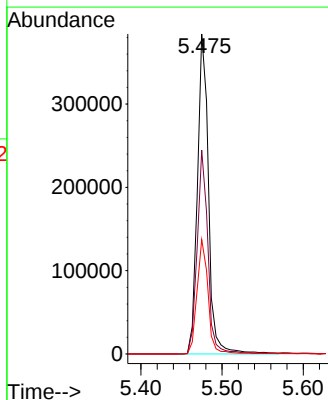
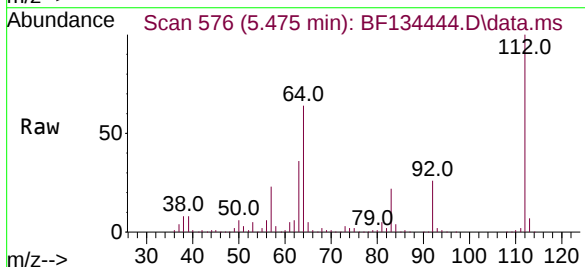
Instrument :
BNA_F
ClientSampleId :
TP17

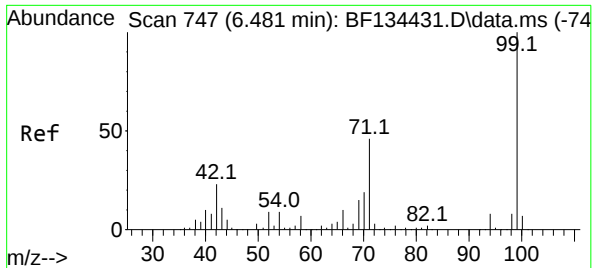
Tgt Ion:152 Resp: 49060
Ion Ratio Lower Upper
152 100
150 153.6 128.3 192.5
115 60.9 52.4 78.6



#5
2-Fluorophenol
Concen: 123.703 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion:112 Resp: 367324
Ion Ratio Lower Upper
112 100
64 63.7 44.9 67.3
63 35.7 25.4 38.0

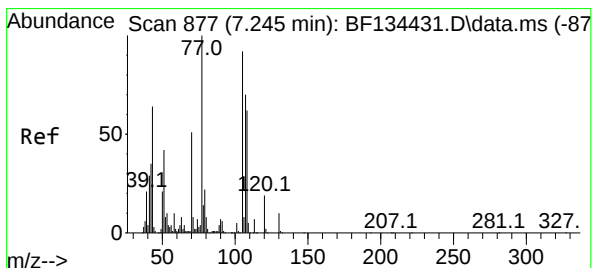
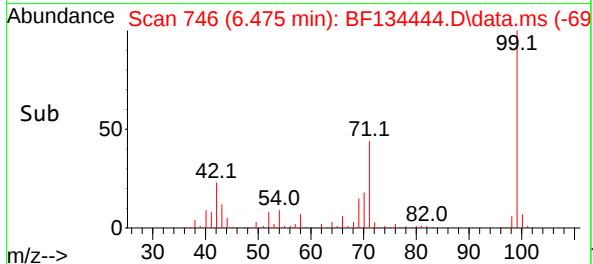
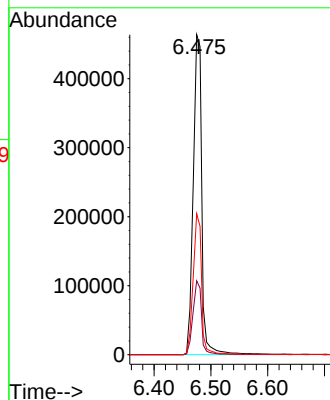
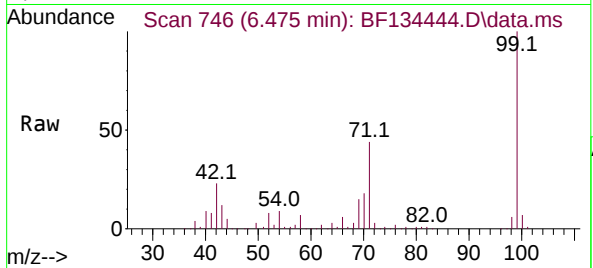




#7
Phenol-d6
Concen: 133.849 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

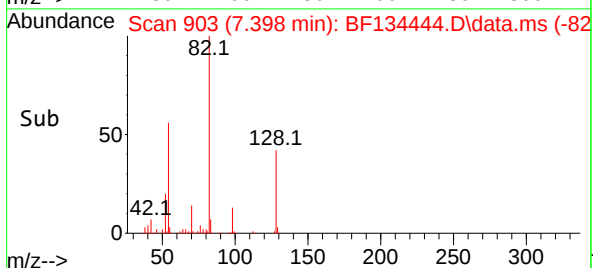
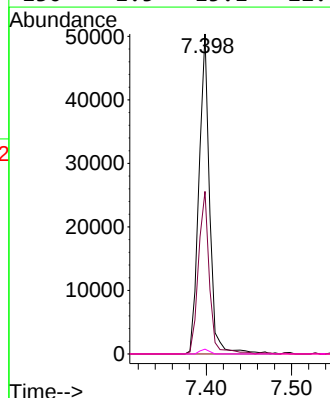
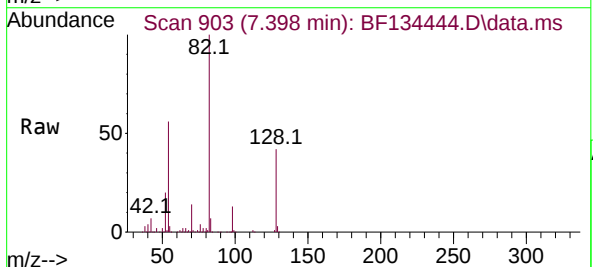
Instrument :
BNA_F
ClientSampleId :
TP17

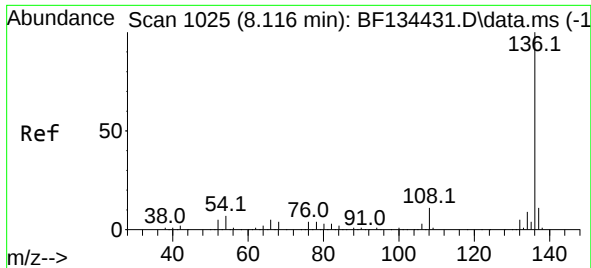
Tgt Ion: 99 Resp: 486955
Ion Ratio Lower Upper
99 100
42 23.1 18.7 28.1
71 44.0 36.4 54.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.410 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.153 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion: 70 Resp: 43960
Ion Ratio Lower Upper
70 100
42 50.8 54.7 82.1#
101 0.0 8.2 12.2#
130 1.5 15.1 22.7#

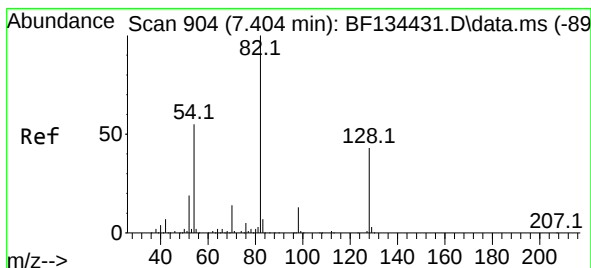
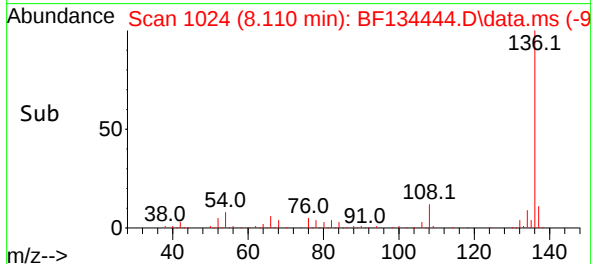
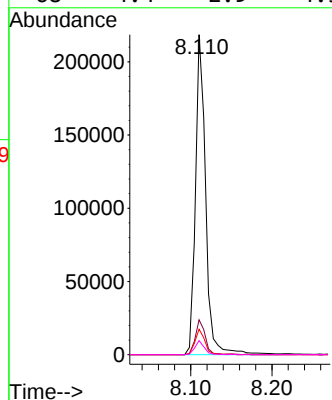
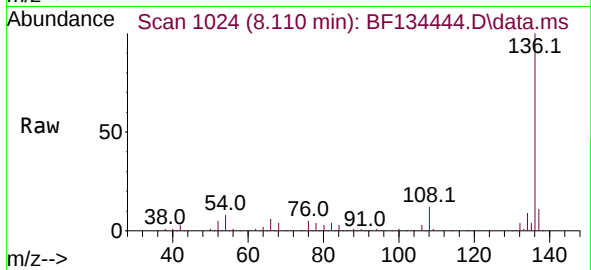




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

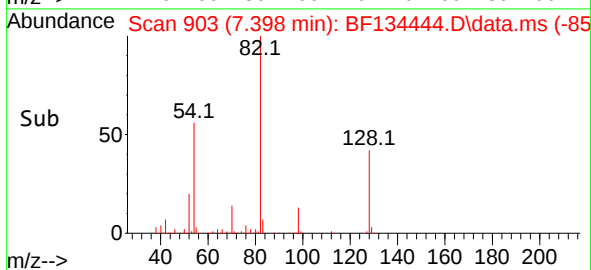
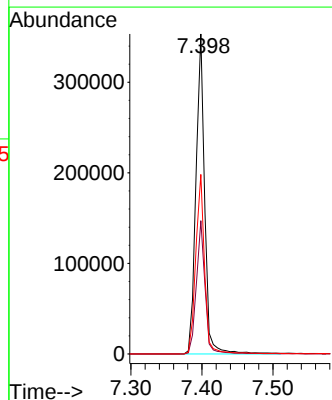
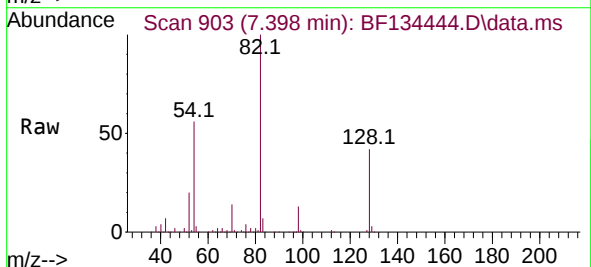
Instrument :
BNA_F
ClientSampleId :
TP17

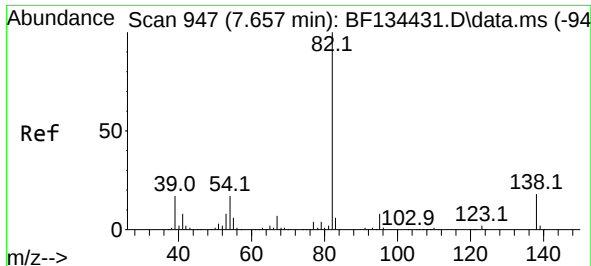
Tgt Ion:136 Resp: 191409
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.9 5.2 7.8#
68 4.4 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 80.362 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion: 82 Resp: 304027
Ion Ratio Lower Upper
82 100
128 41.7 34.3 51.5
54 56.1 43.8 65.6

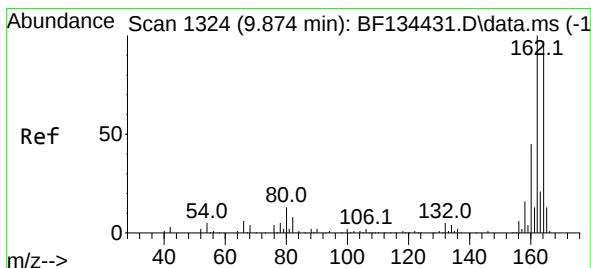
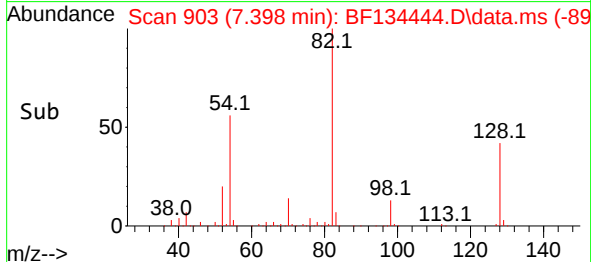
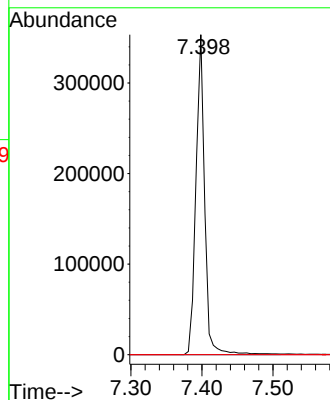
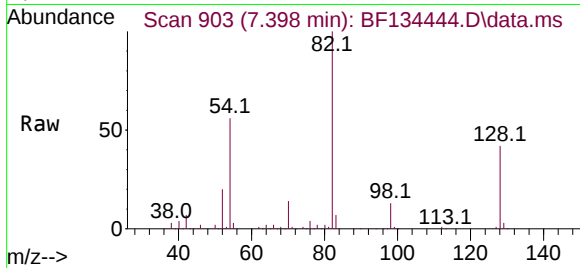




#25
Isophorone
Concen: 48.219 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

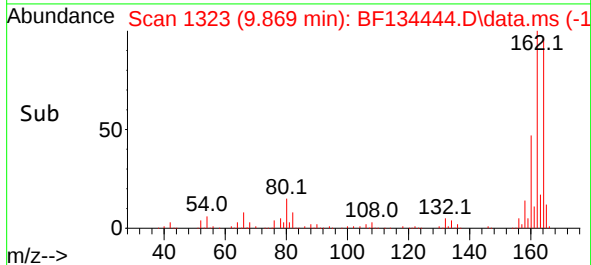
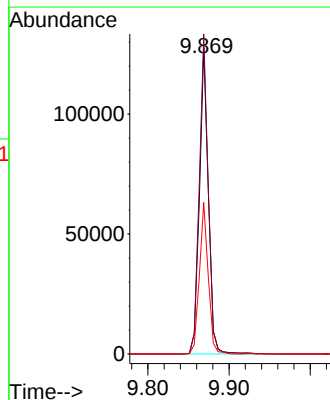
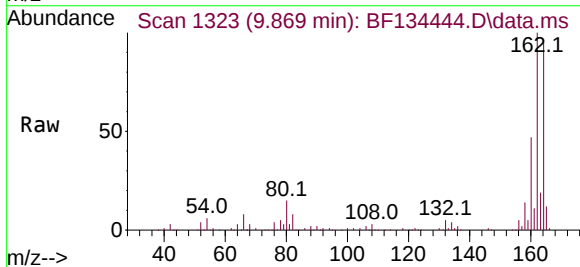
Instrument :
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ClientSampleId :
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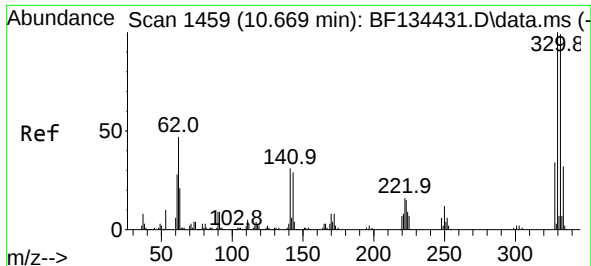
Tgt Ion: 82 Resp: 304027
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion: 164 Resp: 98146
Ion Ratio Lower Upper
164 100
162 104.5 82.6 123.8
160 49.5 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 131.143 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

Instrument :

BNA_F

ClientSampleId :

TP17

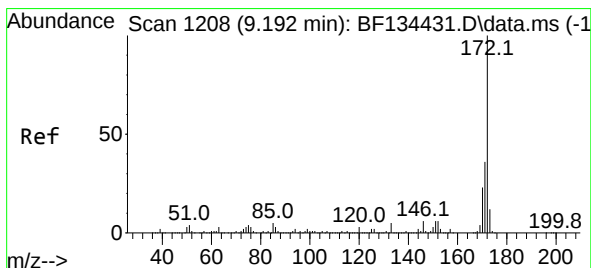
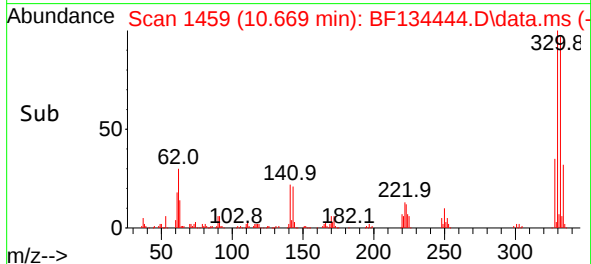
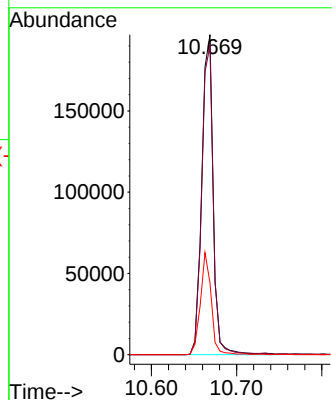
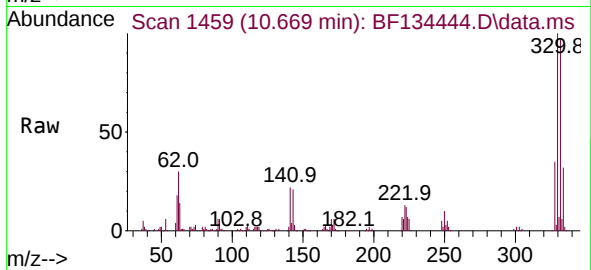
Tgt Ion:330 Resp: 182876

Ion Ratio Lower Upper

330 100

332 96.8 78.8 118.2

141 30.4 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 84.172 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

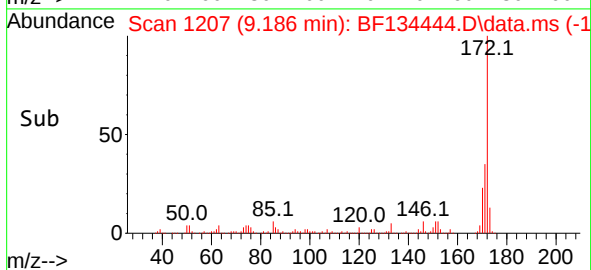
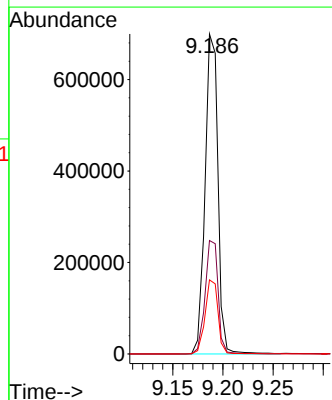
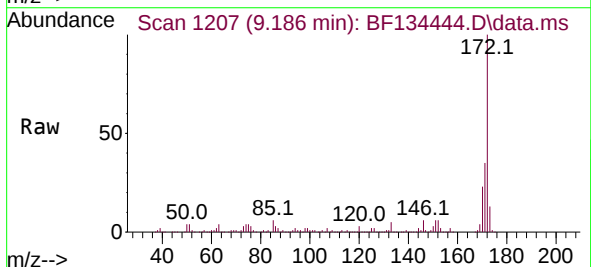
Tgt Ion:172 Resp: 629284

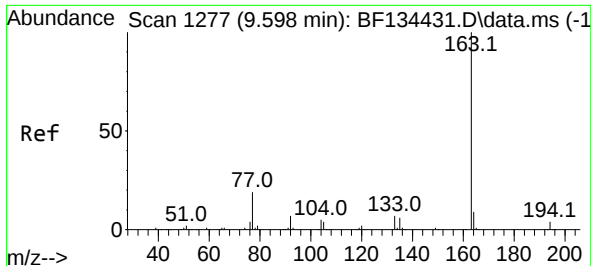
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.2 18.7 28.1

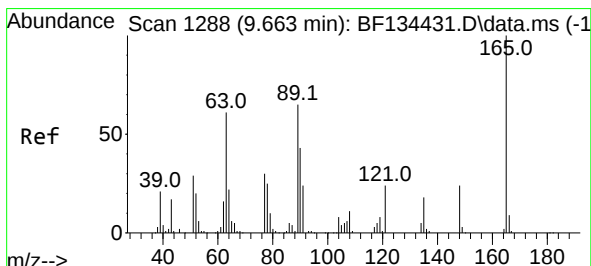
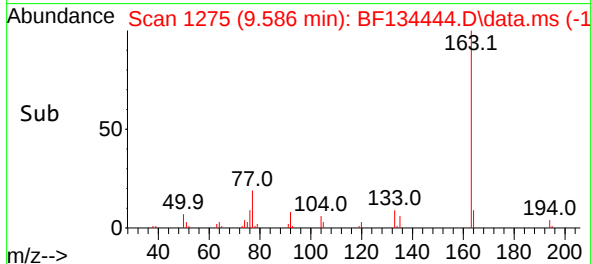
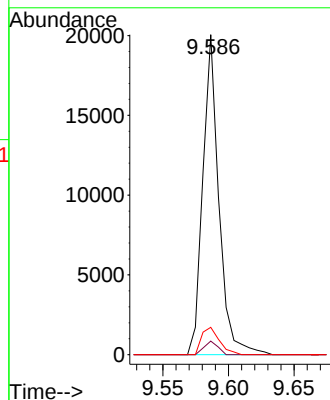
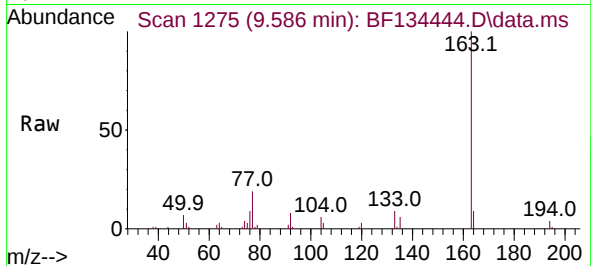




#50
Dimethylphthalate
Concen: 2.355 ng
RT: 9.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

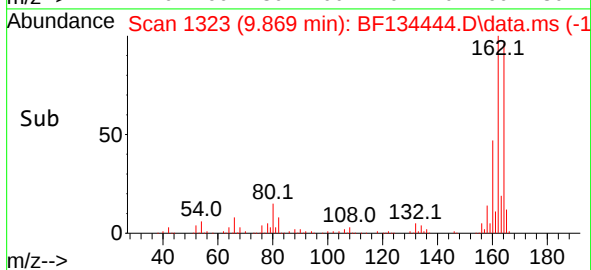
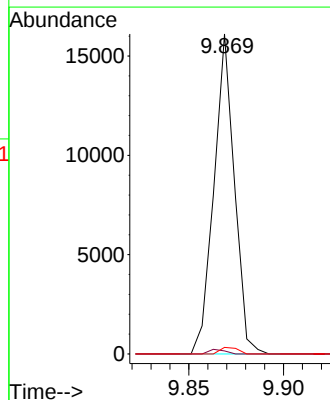
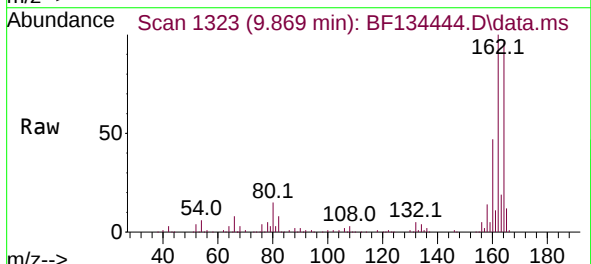
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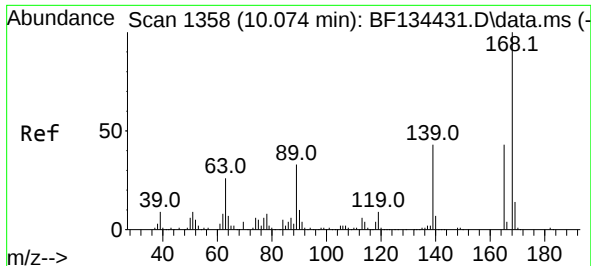
Tgt Ion:163 Resp: 17135
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 8.6 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 7.594 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.206 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion:165 Resp: 12124
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 2.1 51.8 77.8#

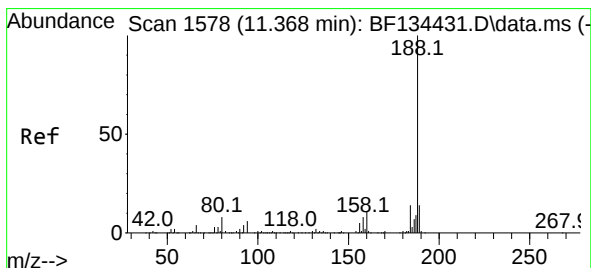
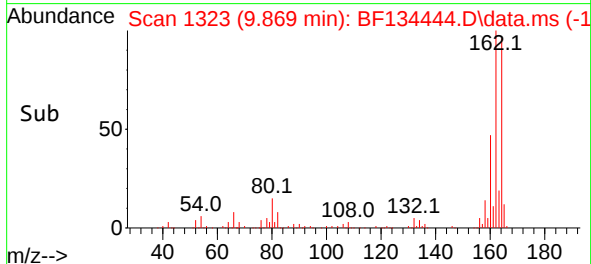
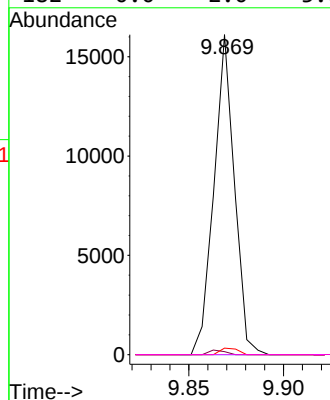
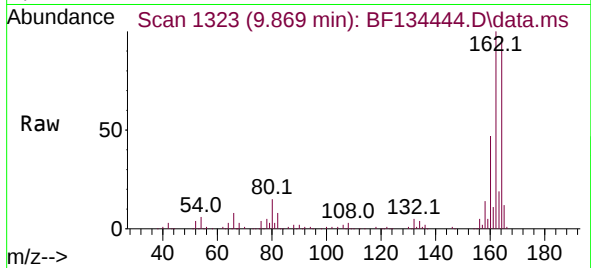




#57
2,4-Dinitrotoluene
Concen: 5.654 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

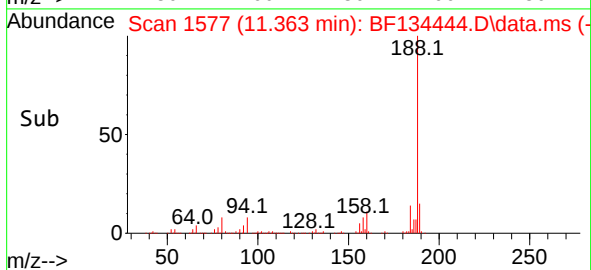
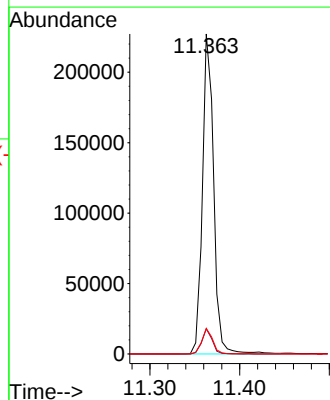
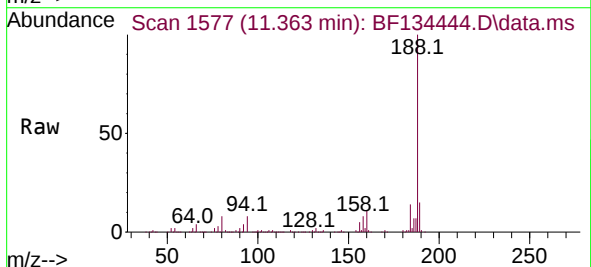
Instrument :
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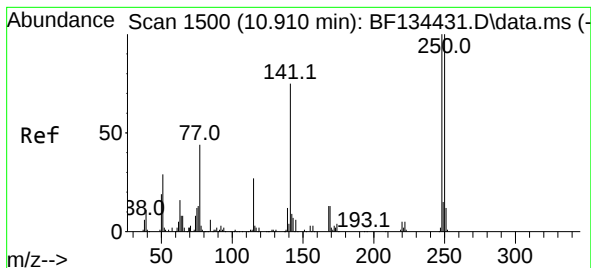
Tgt Ion:165 Resp: 12124
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 2.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion:188 Resp: 197009
Ion Ratio Lower Upper
188 100
94 7.9 5.1 7.7#
80 8.0 6.6 9.8

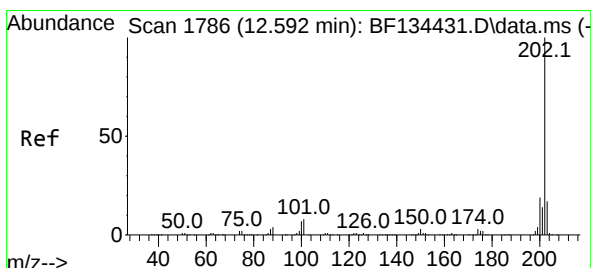
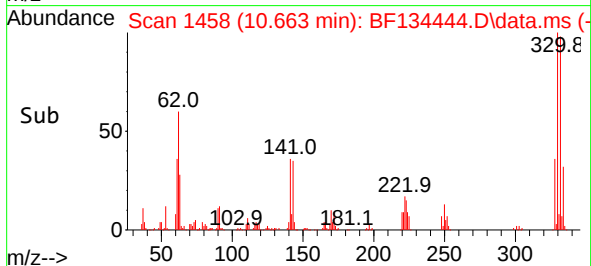
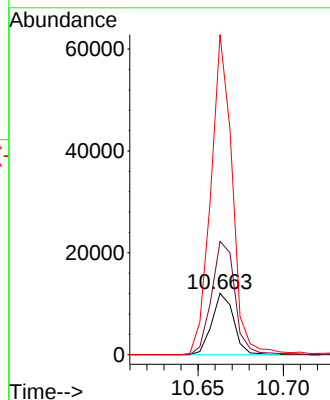
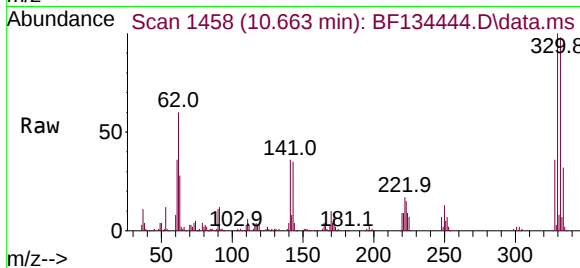




#67
4-Bromophenyl-phenylether
Concen: 4.952 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

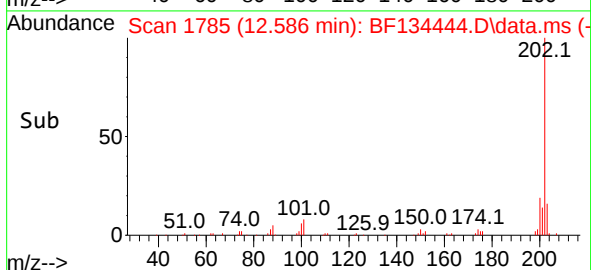
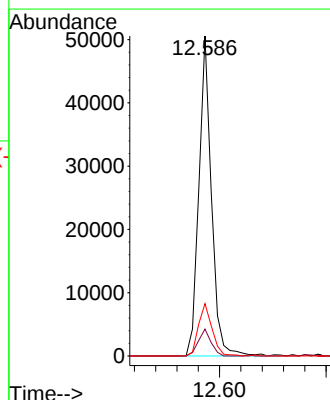
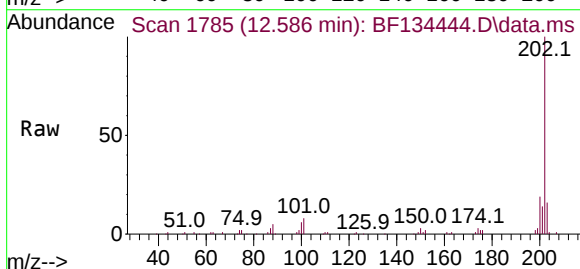
Instrument :
BNA_F
ClientSampleId :
TP17

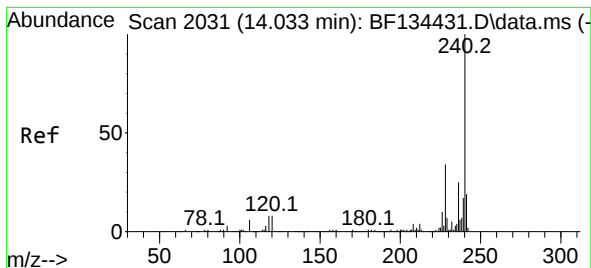
Tgt Ion:248 Resp: 10690
Ion Ratio Lower Upper
248 100
250 185.1 79.6 119.4#
141 522.7 59.6 89.4#



#75
Fluoranthene
Concen: 3.473 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Tgt Ion:202 Resp: 41666
Ion Ratio Lower Upper
202 100
101 8.4 0.0 28.5
203 16.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

Instrument :

BNA_F

ClientSampleId :

TP17

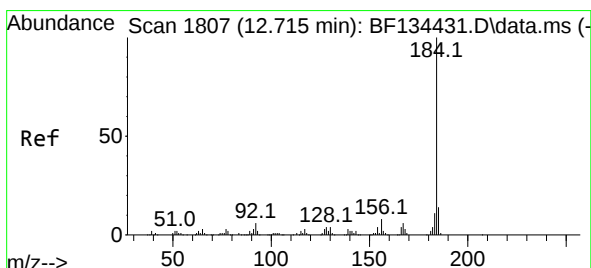
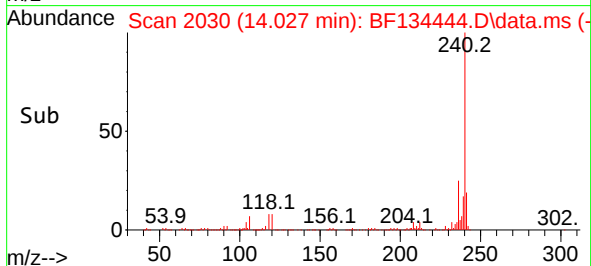
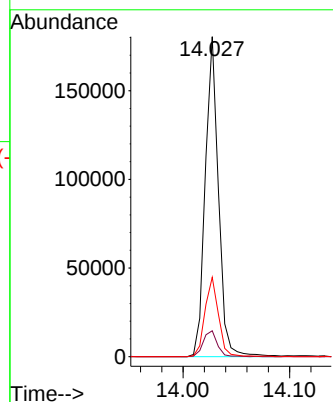
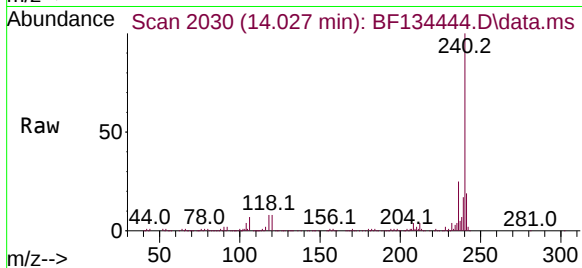
Tgt Ion:240 Resp: 156361

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

236 24.8 20.2 30.2



#77

Benzdine

Concen: 3.324 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.248 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

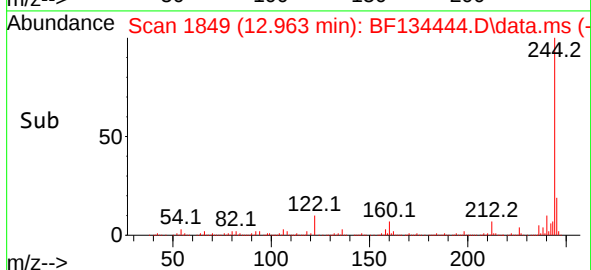
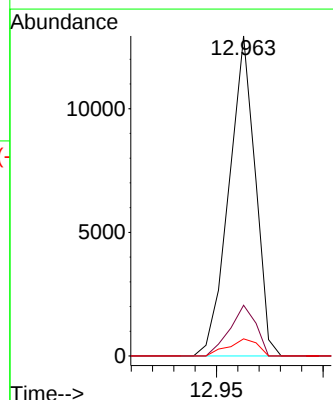
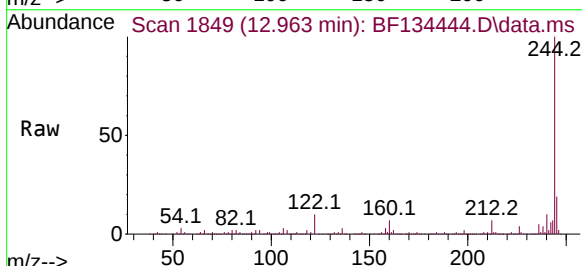
Tgt Ion:184 Resp: 11098

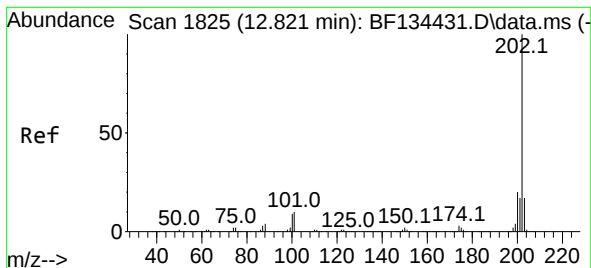
Ion Ratio Lower Upper

184 100

185 15.9 11.2 16.8

183 5.3 8.6 13.0#





#78

Pyrene

Concen: 2.632 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.006 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

Instrument :

BNA_F

ClientSampleId :

TP17

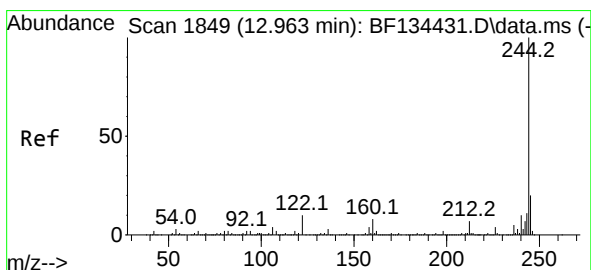
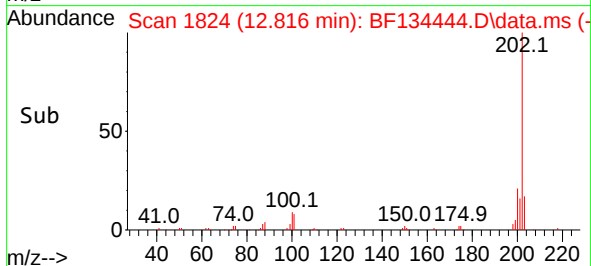
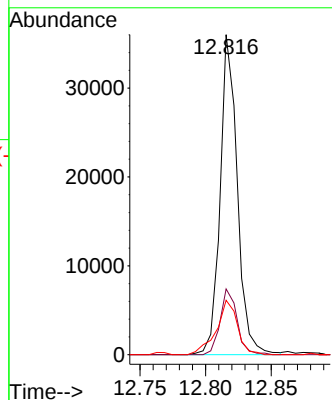
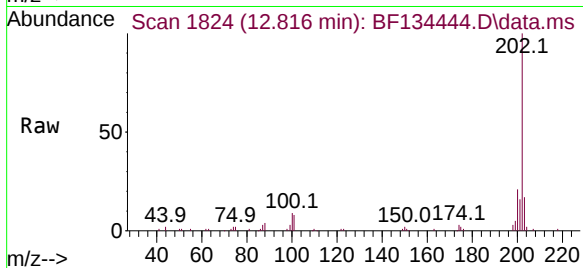
Tgt Ion:202 Resp: 32721

Ion Ratio Lower Upper

202 100

200 20.6 15.8 23.8

203 17.0 13.5 20.3



#79

Terphenyl-d14

Concen: 91.218 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

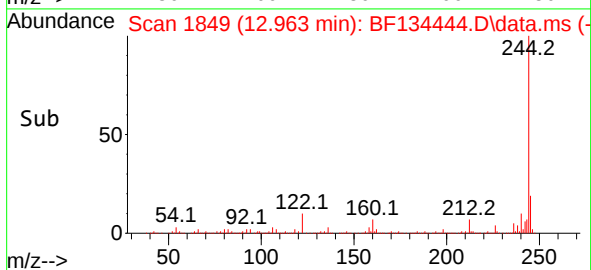
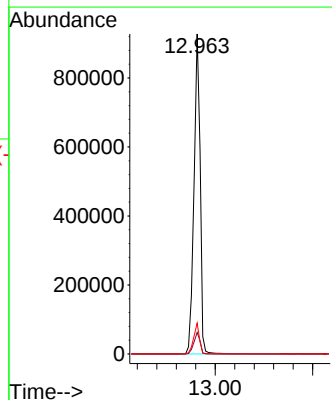
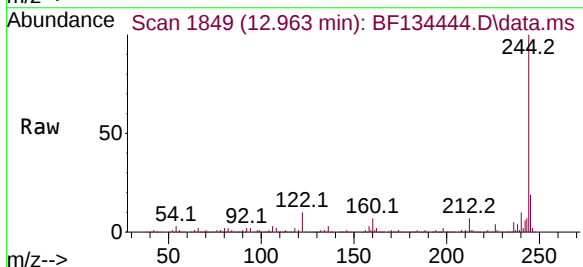
Tgt Ion:244 Resp: 817054

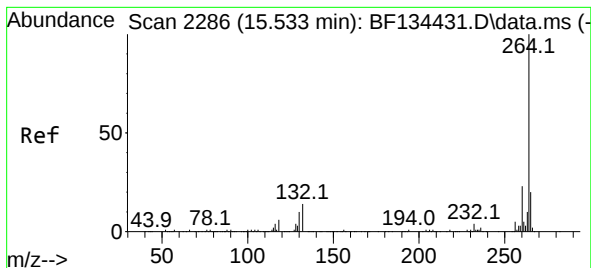
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 9.6 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

Instrument :

BNA_F

ClientSampleId :

TP17

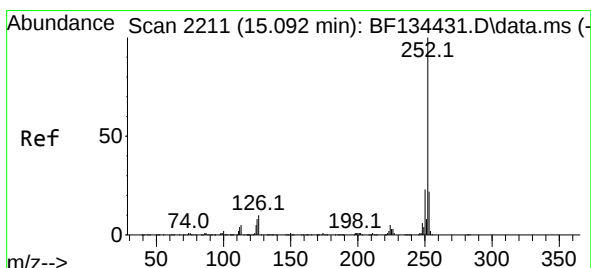
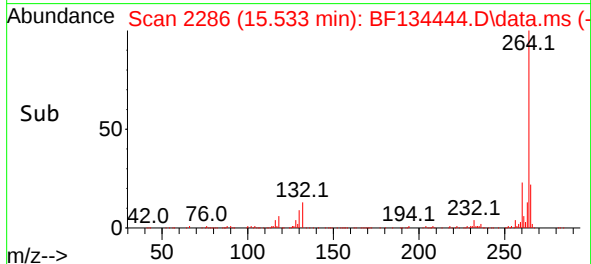
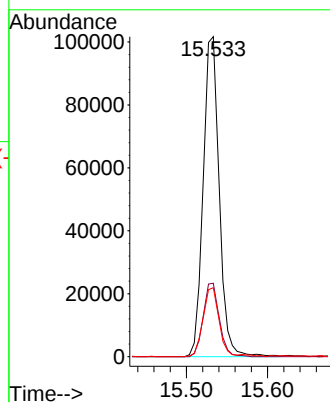
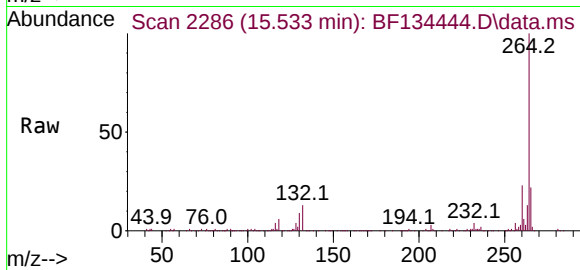
Tgt Ion:264 Resp: 139574

Ion Ratio Lower Upper

264 100

260 23.0 18.4 27.6

265 21.6 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 2.541 ng

RT: 15.092 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF134444.D

Acq: 24 Jul 2023 23:22

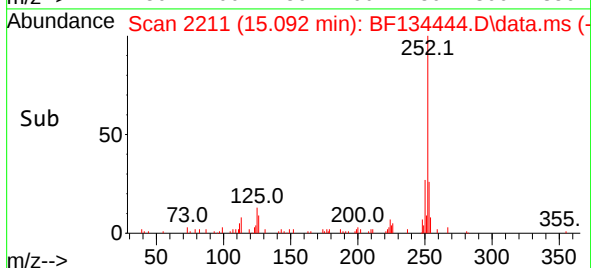
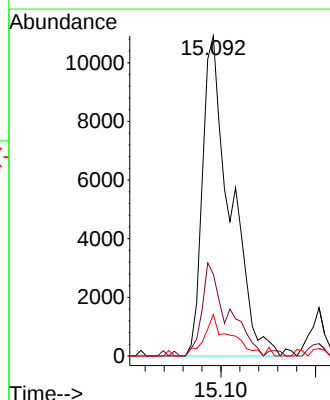
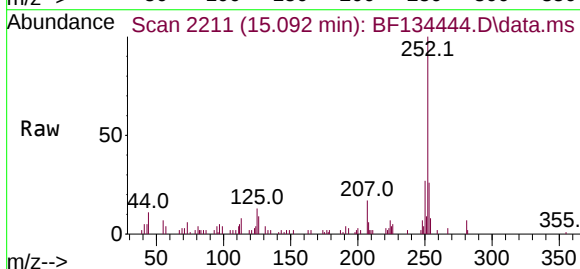
Tgt Ion:252 Resp: 22190

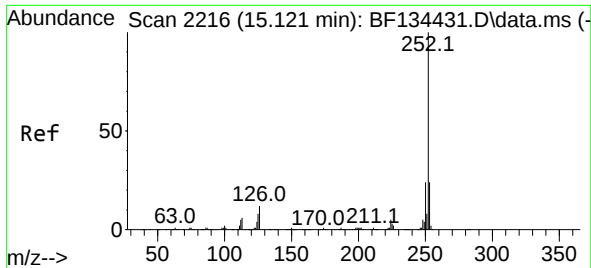
Ion Ratio Lower Upper

252 100

253 25.6 17.3 25.9

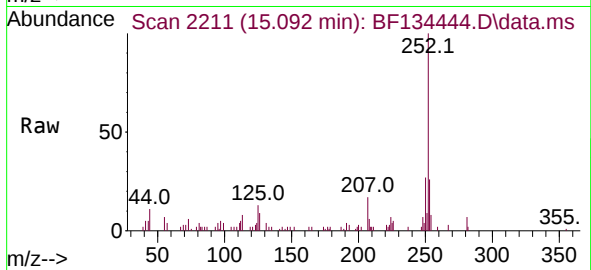
125 13.0 6.0 9.0#





#89
Benzo(k)fluoranthene
Concen: 2.584 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF134444.D
Acq: 24 Jul 2023 23:22

Instrument :
BNA_F
ClientSampleId :
TP17



Tgt Ion:252 Resp: 22190
Ion Ratio Lower Upper
252 100
253 25.6 17.9 26.9
125 13.0 6.3 9.5#

