

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136741.D
 Acq On : 27 Dec 2023 02:43
 Operator : CG\JU
 Sample : 05602-07RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROUTE-4-TP-4

Quant Time: Dec 27 04:03:34 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)

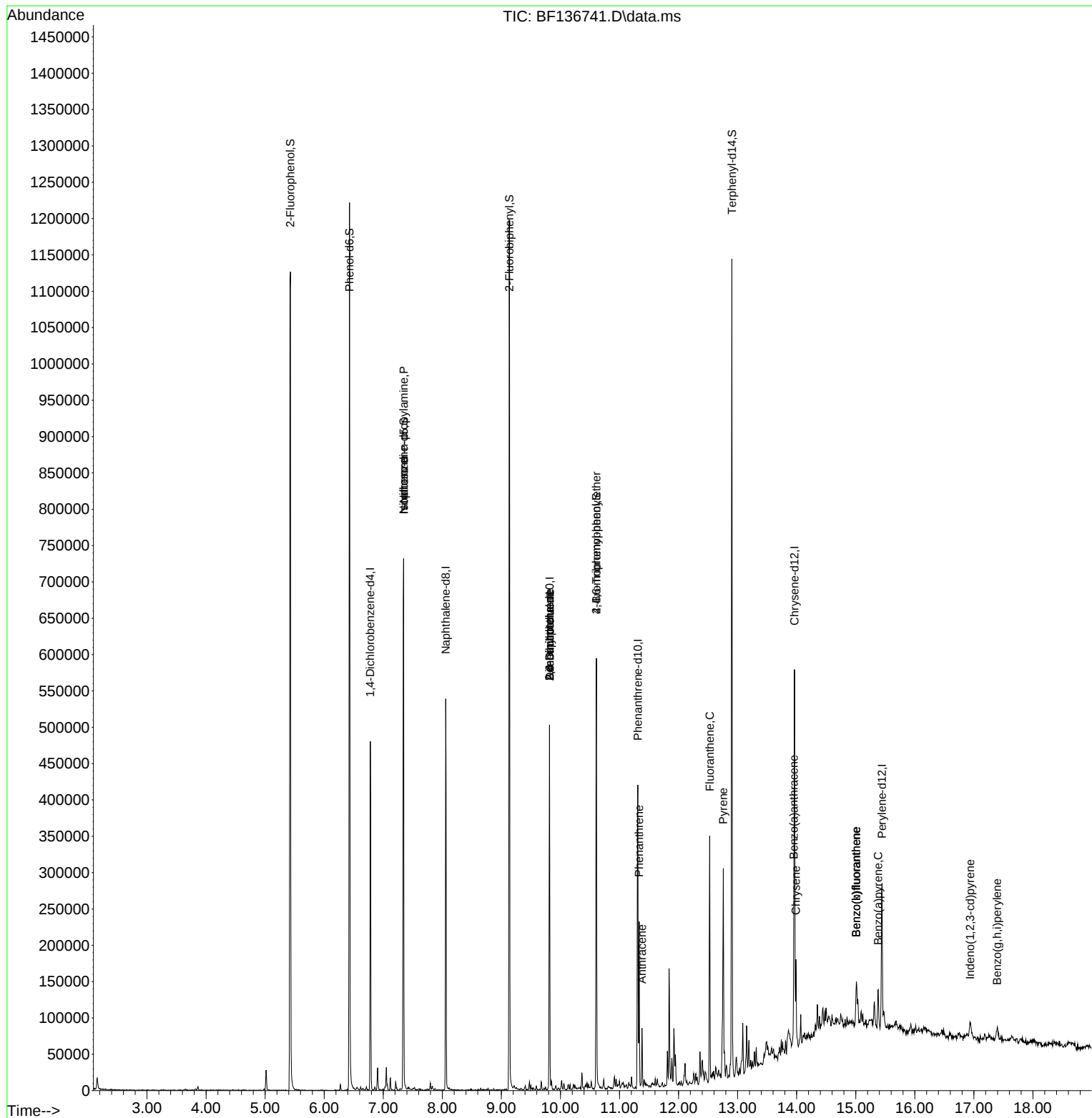
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66692	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	221573	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	90562	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	158881	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	146091	20.000	ng	0.00
86) Perylene-d12	15.445	264	96348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	324555	75.931	ng	0.00
7) Phenol-d6	6.428	99	378314	68.306	ng	-0.01
23) Nitrobenzene-d5	7.345	82	223900	51.708	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	71240	66.794	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	373690	55.499	ng	-0.02
79) Terphenyl-d14	12.904	244	374149	35.790	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	30297	9.024	ng	# 74
25) Isophorone	7.345	82	223896	28.417	ng	# 65
50) Dimethylphthalate	9.816	163	17635	2.666	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11624	7.743	ng	# 28
57) 2,4-Dinitrotoluene	9.816	165	11624	5.964	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	4363	2.473	ng	# 1
71) Phenanthrene	11.333	178	82181	10.081	ng	99
72) Anthracene	11.380	178	28607	3.465	ng	99
75) Fluoranthene	12.527	202	120732	13.845	ng	99
78) Pyrene	12.757	202	116189	8.102	ng	100
81) Benzo(a)anthracene	13.951	228	55306	5.452	ng	98
83) Chrysene	13.986	228	46401	4.677	ng	94
87) Indeno(1,2,3-cd)pyrene	16.939	276	14190	2.040	ng	96
88) Benzo(b)fluoranthene	15.010	252	47614	7.399	ng	# 98
89) Benzo(k)fluoranthene	15.010	252	47614	7.830	ng	99
90) Benzo(a)pyrene	15.380	252	26447	4.869	ng	94
92) Benzo(g,h,i)perylene	17.392	276	13661	2.337	ng	# 82

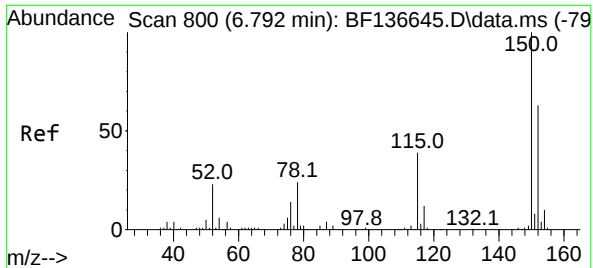
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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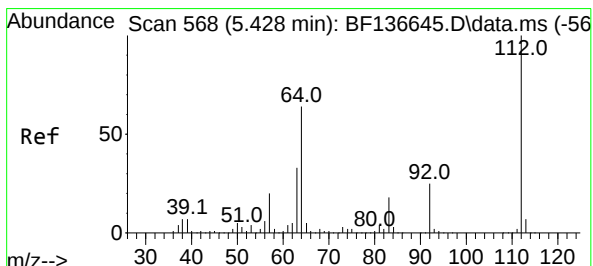
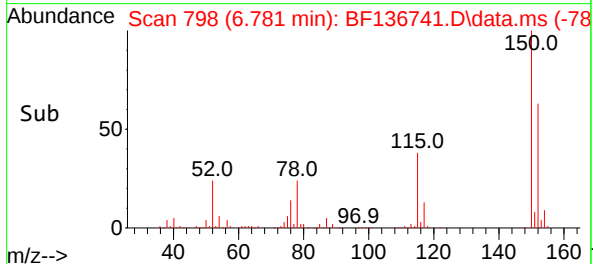
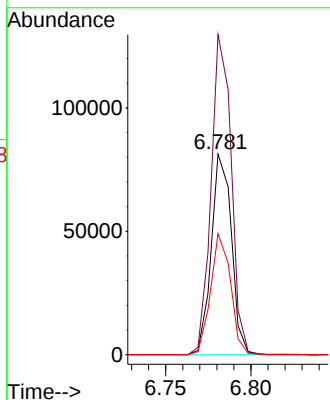
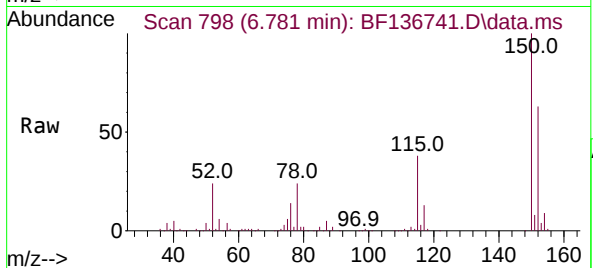




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

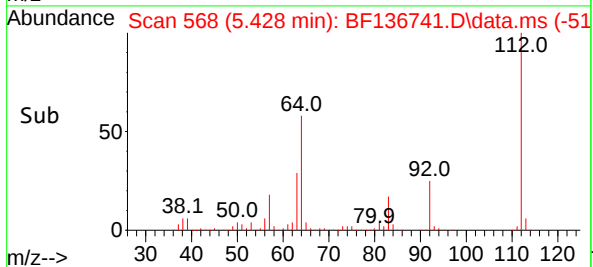
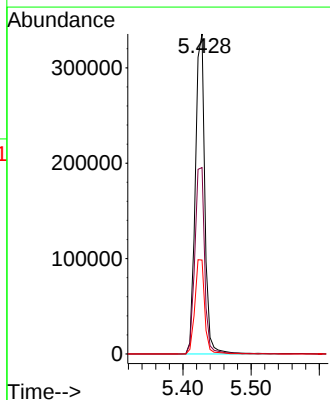
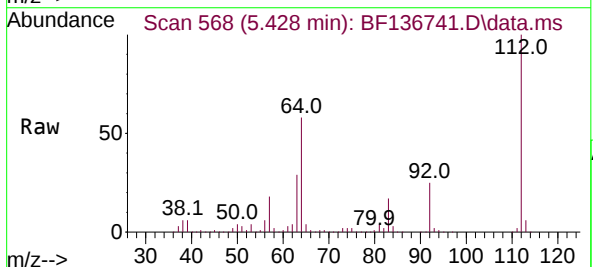
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

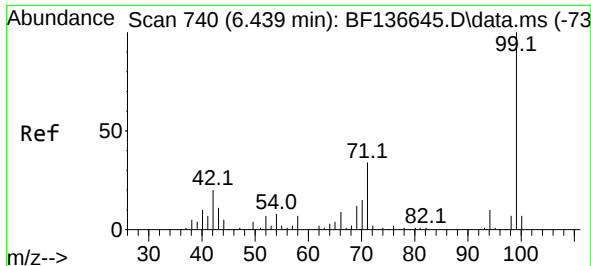
Tgt Ion:152 Resp: 66692
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 75.931 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:112 Resp: 324555
Ion Ratio Lower Upper
112 100
64 58.2 51.1 76.7
63 29.4 26.1 39.1





#7

Phenol-d6

Concen: 68.306 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-4

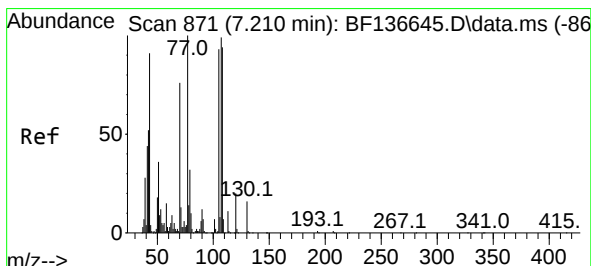
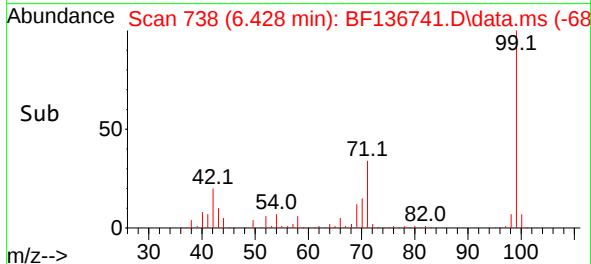
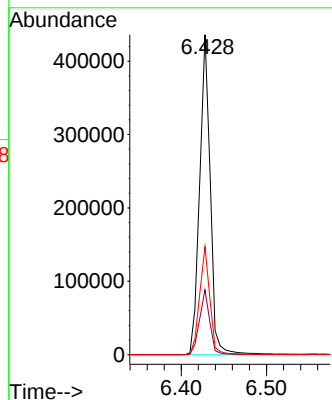
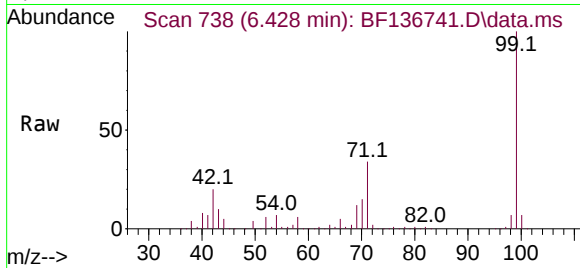
Tgt Ion: 99 Resp: 378314

Ion Ratio Lower Upper

99 100

42 20.2 16.1 24.1

71 33.8 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.024 ng

RT: 7.345 min Scan# 894

Delta R.T. 0.135 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

Tgt Ion: 70 Resp: 30297

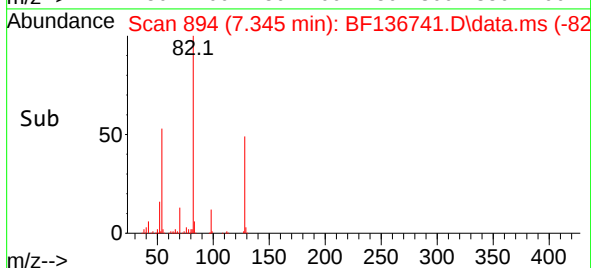
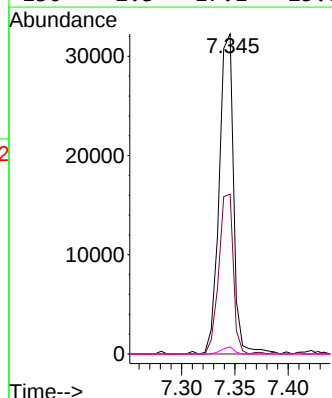
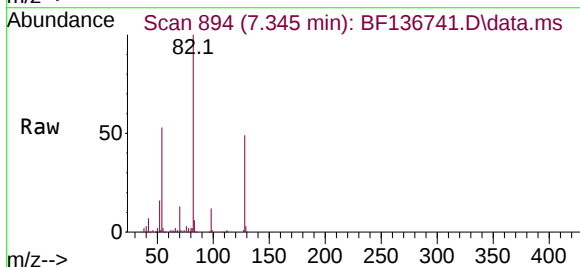
Ion Ratio Lower Upper

70 100

42 50.0 54.2 81.4#

101 0.0 7.6 11.4#

130 2.3 17.1 25.7#



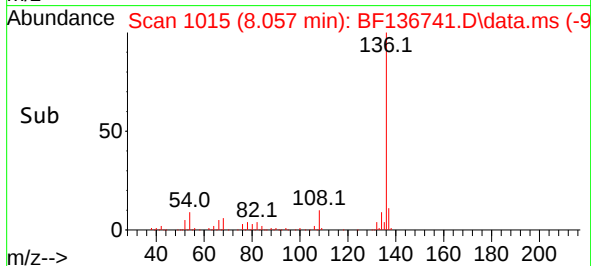
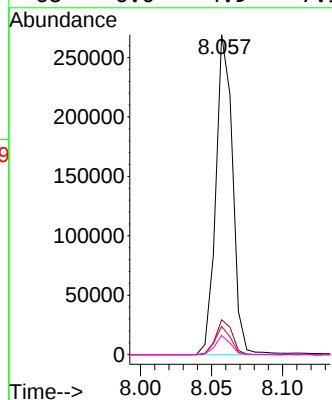
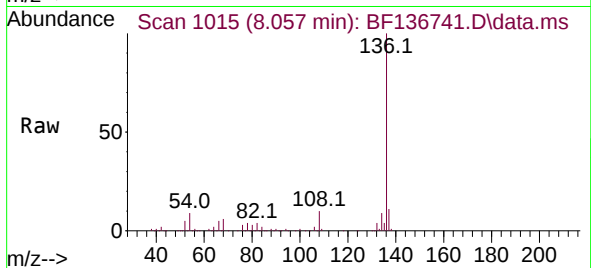


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

Tgt Ion:136 Resp: 221573

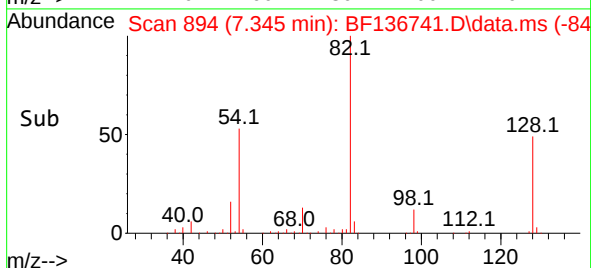
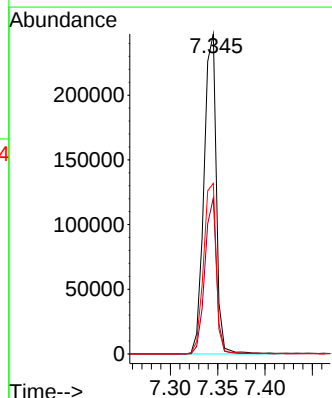
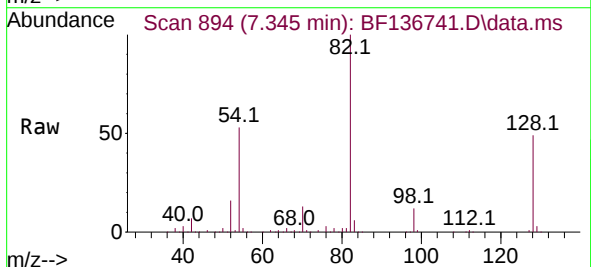
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.8	7.2	10.8
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 51.708 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion: 82 Resp: 223900

Ion	Ratio	Lower	Upper
82	100		
128	48.7	35.3	52.9
54	53.3	44.5	66.7

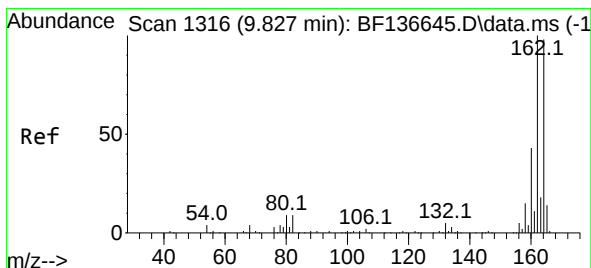
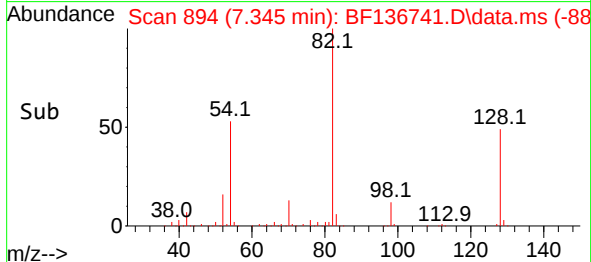
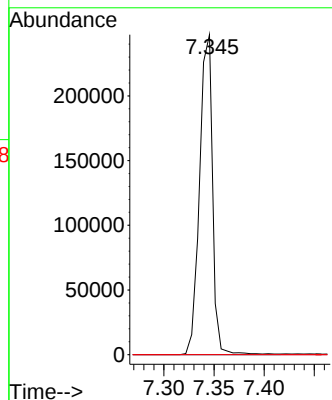
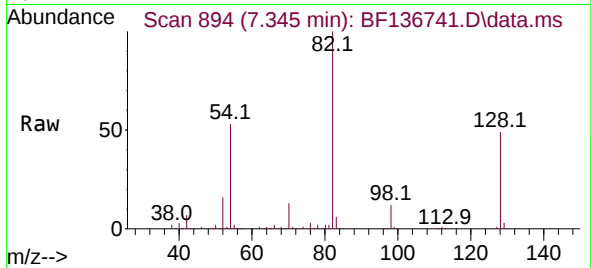




#25
Isophorone
Concen: 28.417 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

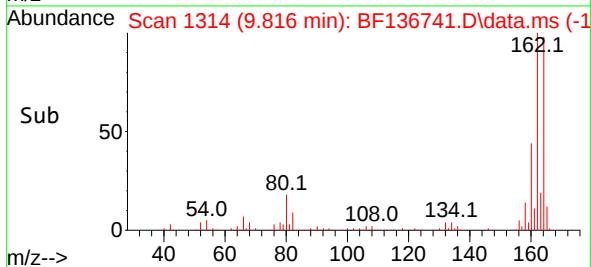
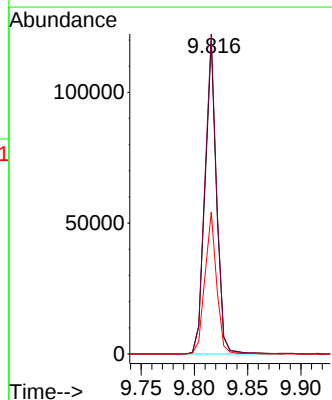
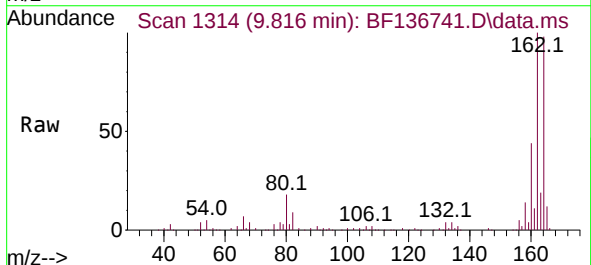
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

Tgt Ion: 82 Resp: 223896
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:164 Resp: 90562
Ion Ratio Lower Upper
164 100
162 102.3 81.6 122.4
160 45.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 66.794 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-4

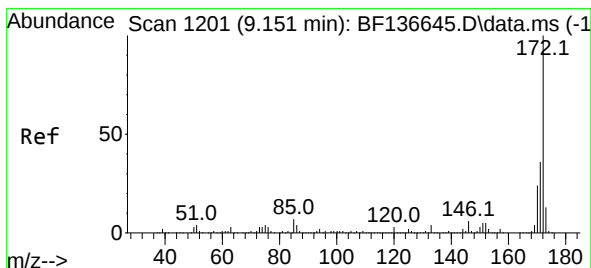
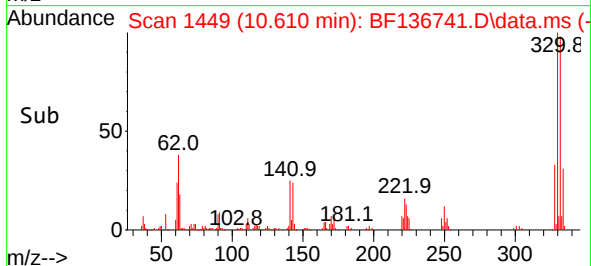
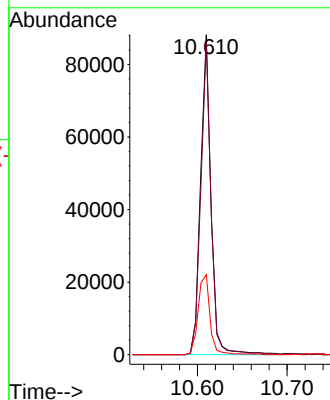
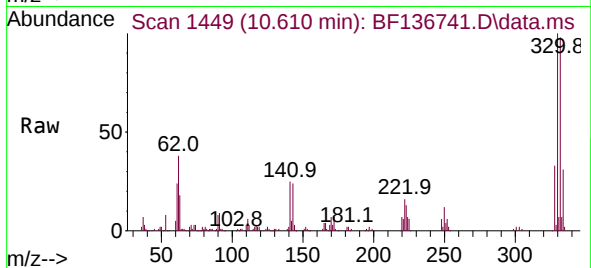
Tgt Ion:330 Resp: 71240

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.0

141 28.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 55.499 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

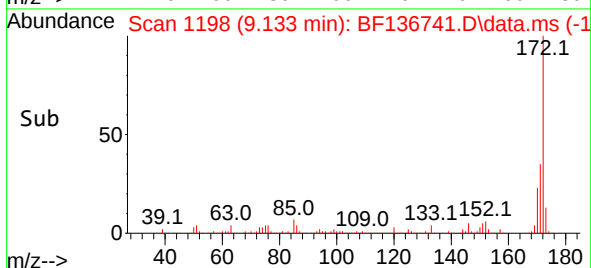
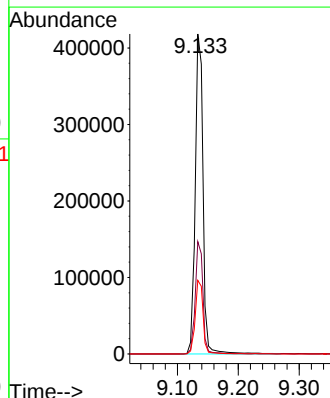
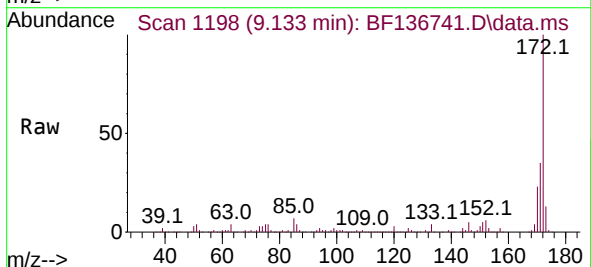
Tgt Ion:172 Resp: 373690

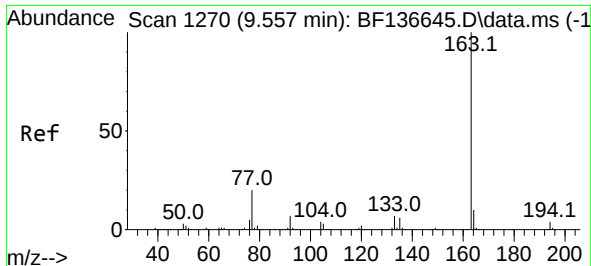
Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

170 23.0 19.0 28.4

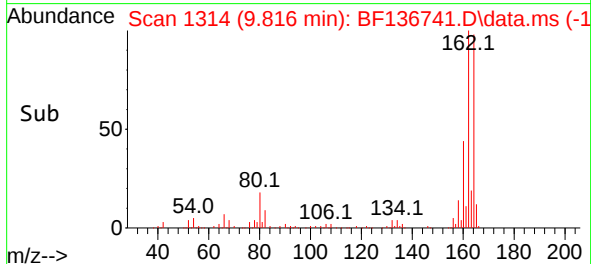
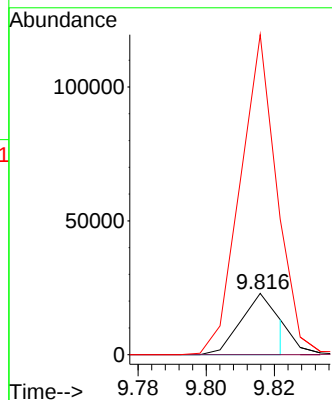
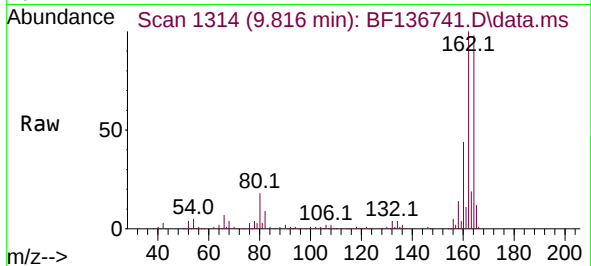




#50
Dimethylphthalate
Concen: 2.666 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

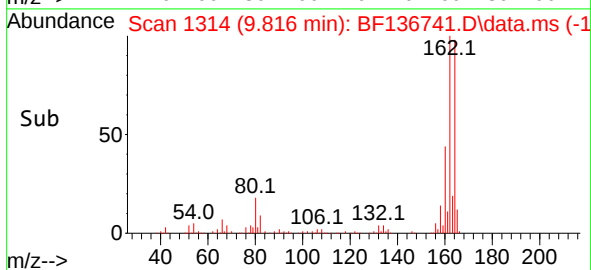
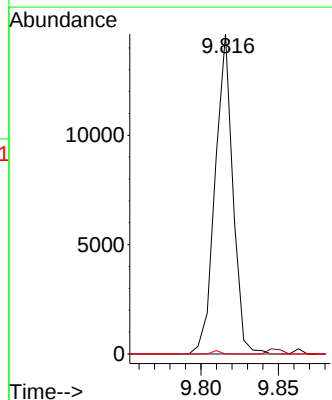
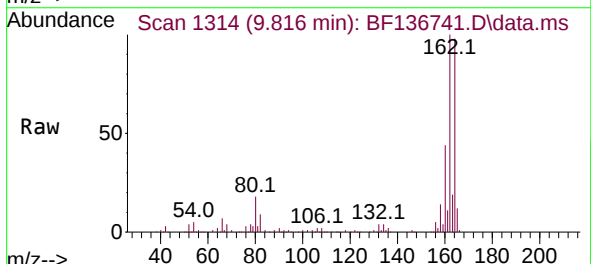
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

Tgt Ion:163 Resp: 17635
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 522.5 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.743 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:165 Resp: 11624
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 0.0 38.8 58.2#

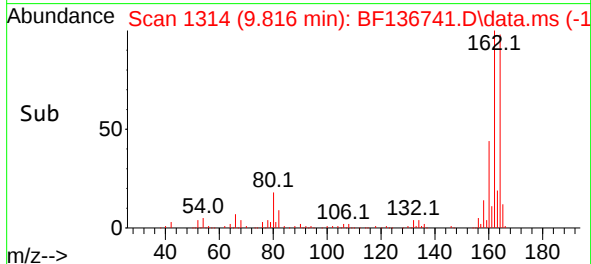
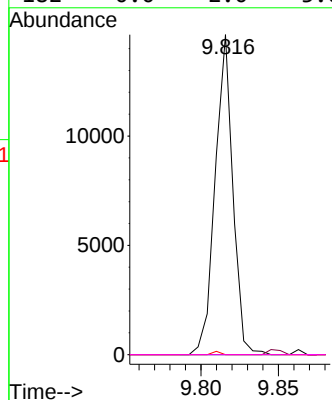
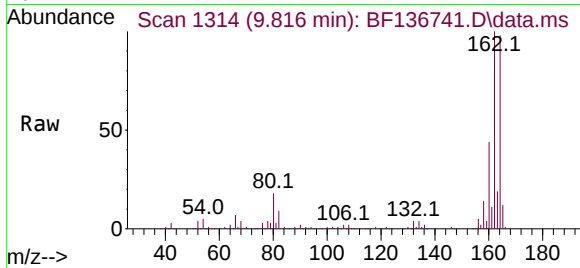




#57
2,4-Dinitrotoluene
Concen: 5.964 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

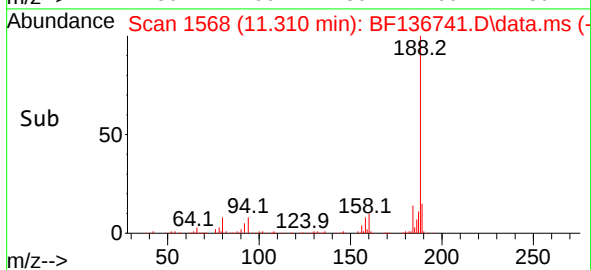
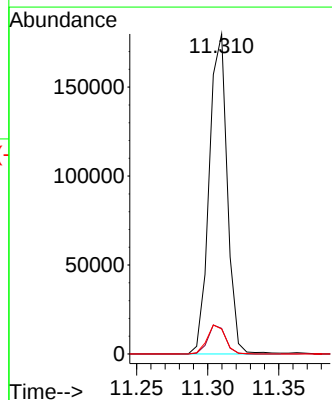
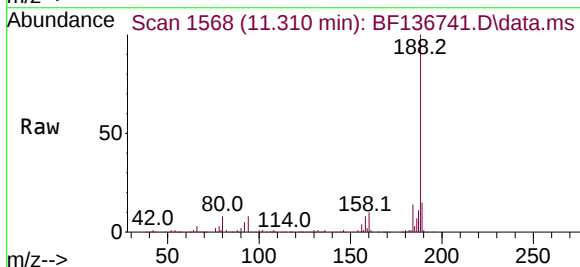
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

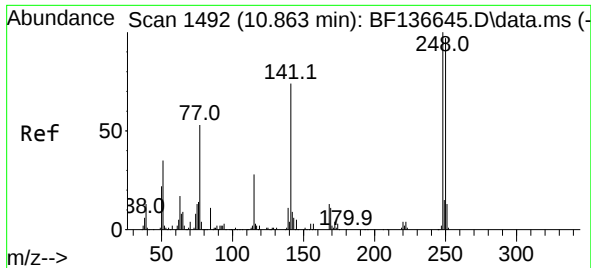
Tgt Ion:165 Resp: 11624
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:188 Resp: 158881
Ion Ratio Lower Upper
188 100
94 8.0 7.5 11.3
80 7.8 8.1 12.1#

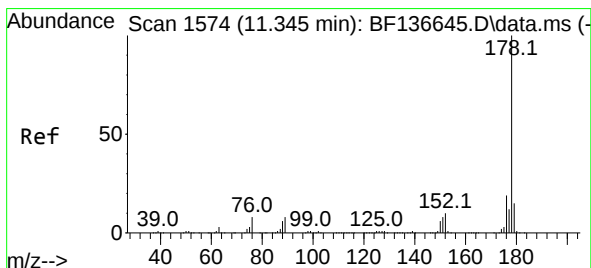
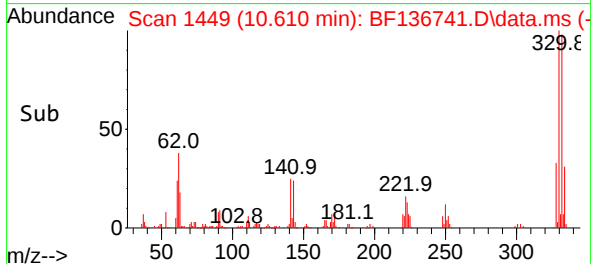
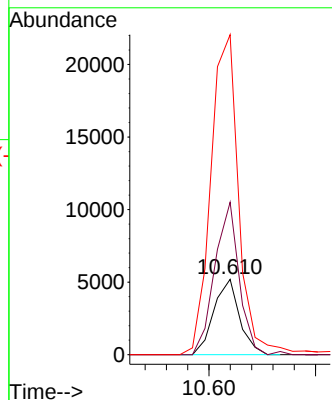
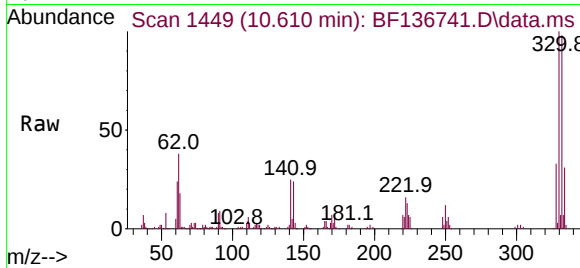




#67
4-Bromophenyl-phenylether
Concen: 2.473 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

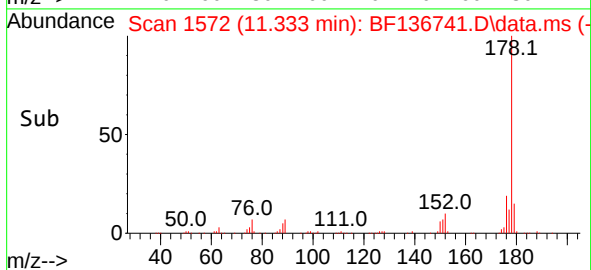
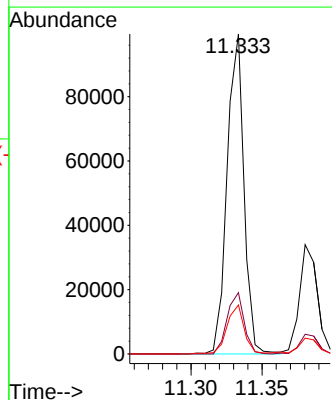
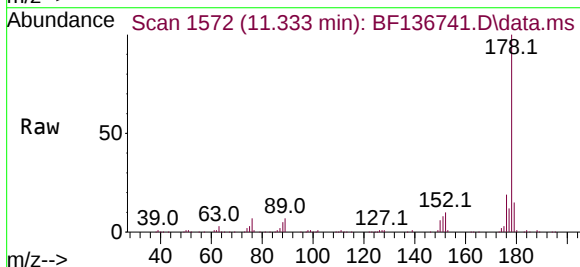
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

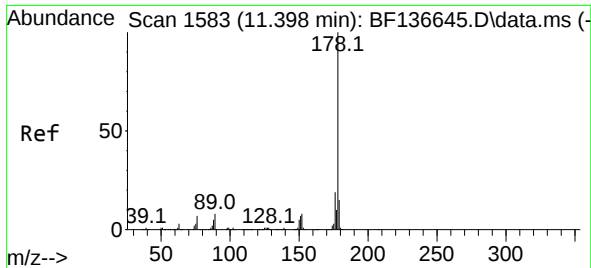
Tgt Ion:248 Resp: 4363
Ion Ratio Lower Upper
248 100
250 202.3 77.8 116.6#
141 424.6 59.2 88.8#



#71
Phenanthrene
Concen: 10.081 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:178 Resp: 82181
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.3 11.9 17.9

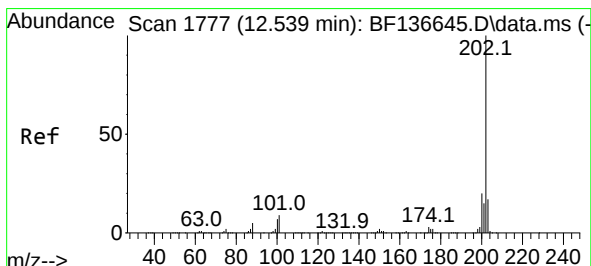
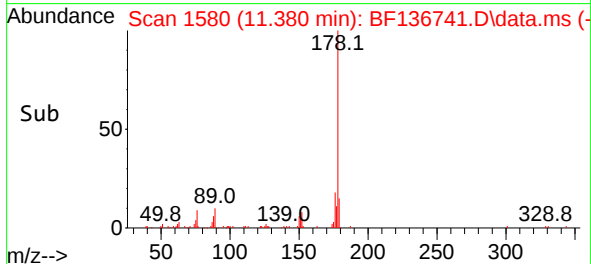
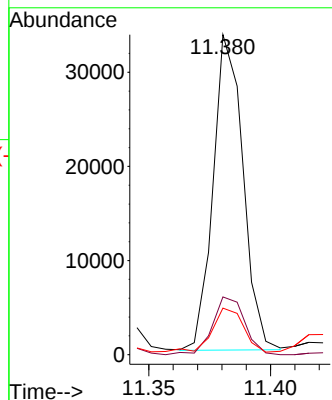
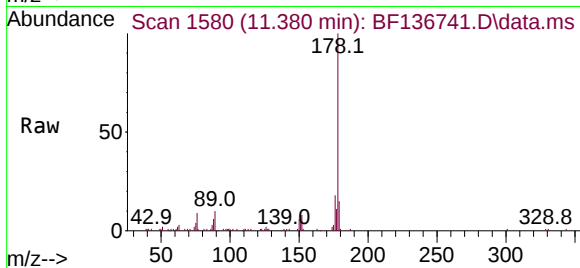




#72
 Anthracene
 Concen: 3.465 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136741.D
 Acq: 27 Dec 2023 02:43

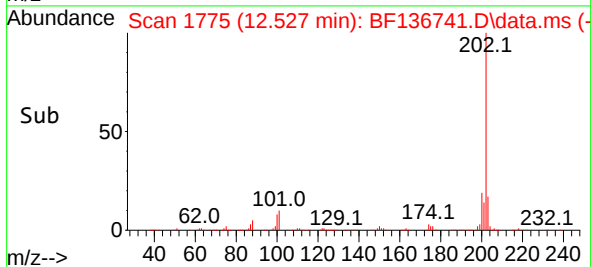
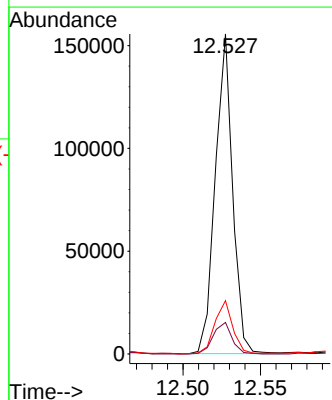
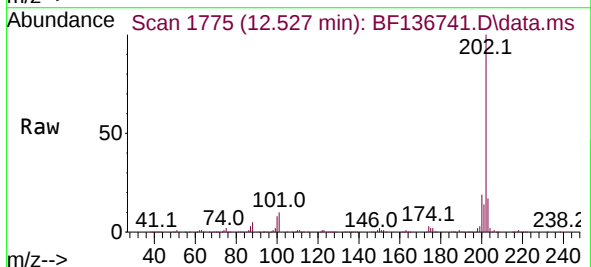
Instrument :
 BNA_F
 ClientSampleId :
 ROUTE-4-TP-4

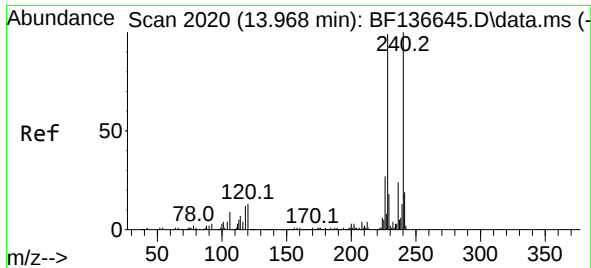
Tgt Ion:178 Resp: 28607
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.9 22.3
 179 14.6 11.8 17.6



#75
 Fluoranthene
 Concen: 13.845 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136741.D
 Acq: 27 Dec 2023 02:43

Tgt Ion:202 Resp: 120732
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 29.3
 203 16.6 0.0 37.1

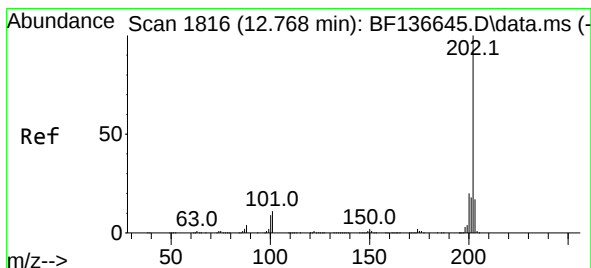
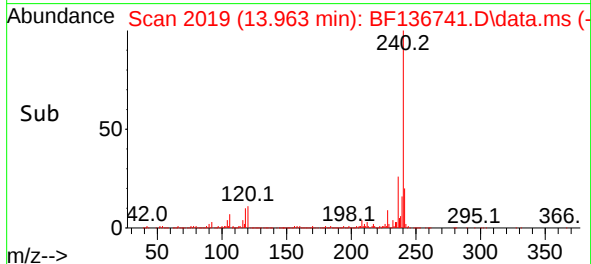
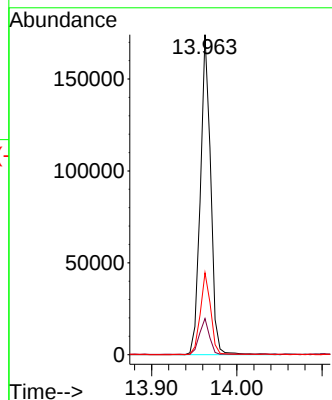
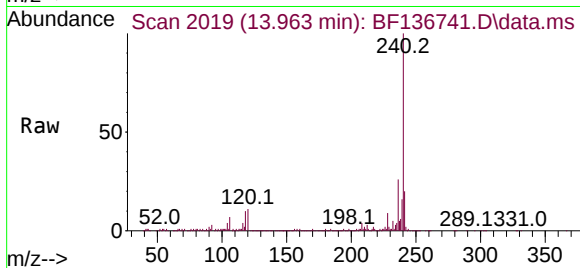




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

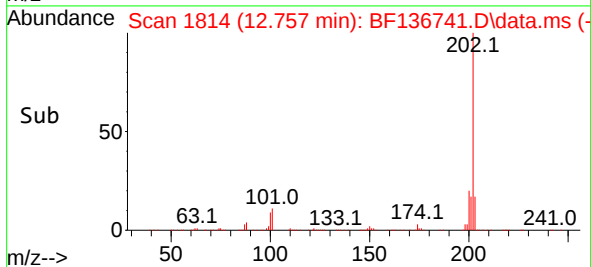
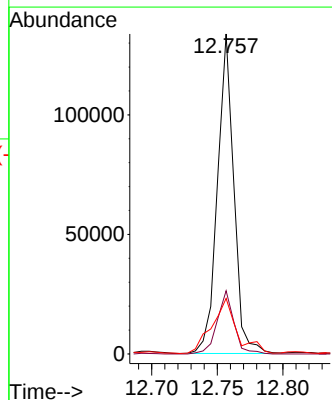
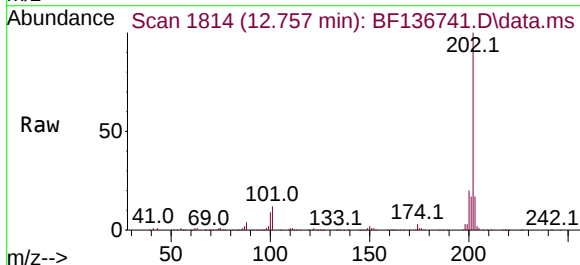
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

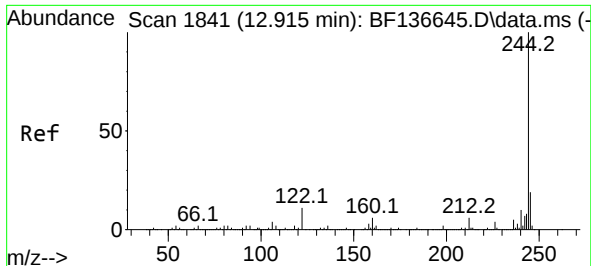
Tgt Ion:240 Resp: 146091
Ion Ratio Lower Upper
240 100
120 11.3 10.3 15.5
236 25.6 19.4 29.2



#78
Pyrene
Concen: 8.102 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:202 Resp: 116189
Ion Ratio Lower Upper
202 100
200 19.7 15.9 23.9
203 17.4 13.8 20.6

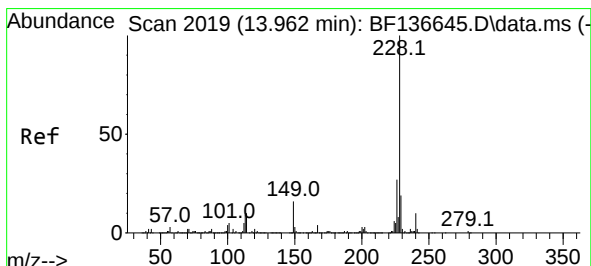
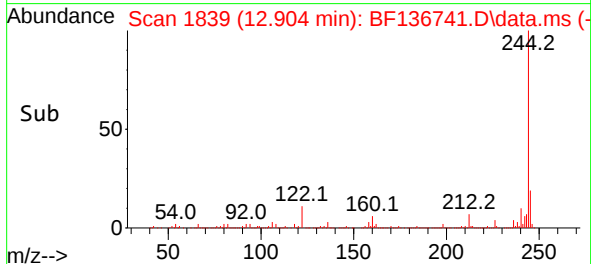
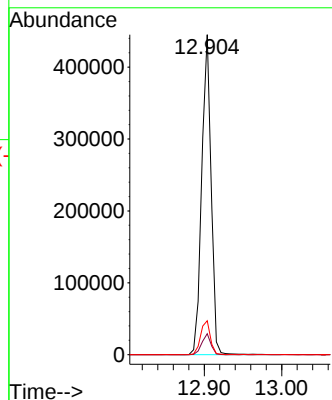
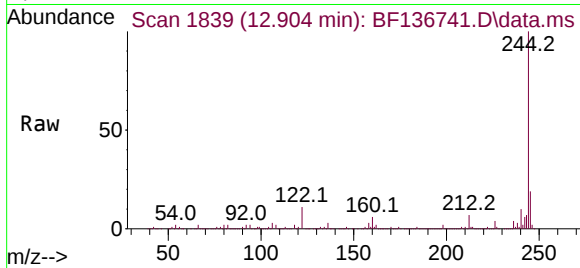




#79
 Terphenyl-d14
 Concen: 35.790 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136741.D
 Acq: 27 Dec 2023 02:43

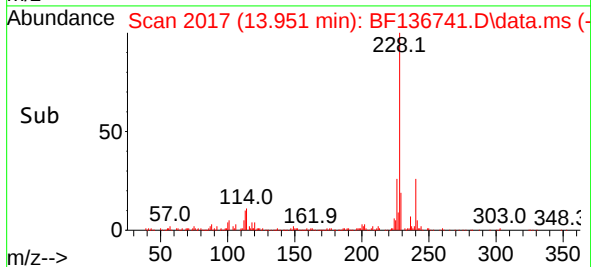
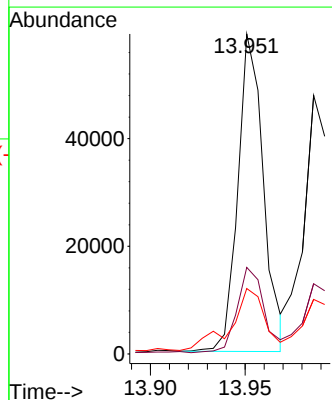
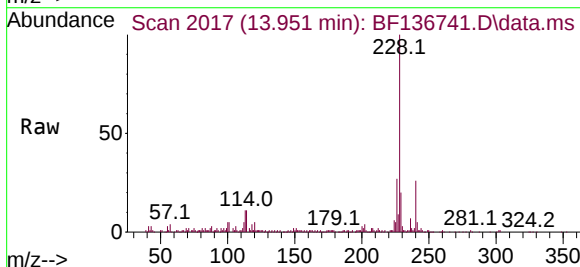
Instrument :
 BNA_F
 ClientSampleId :
 ROUTE-4-TP-4

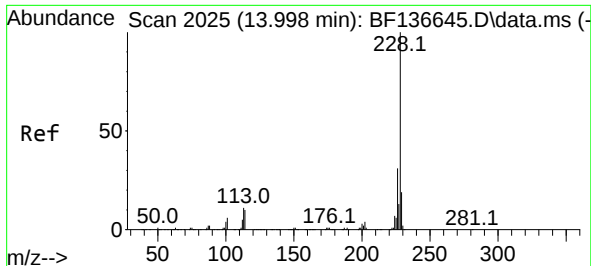
Tgt Ion:244 Resp: 374149
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.6 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 5.452 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136741.D
 Acq: 27 Dec 2023 02:43

Tgt Ion:228 Resp: 55306
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.4 32.0
 229 20.4 14.9 22.3





#83

Chrysene

Concen: 4.677 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-4

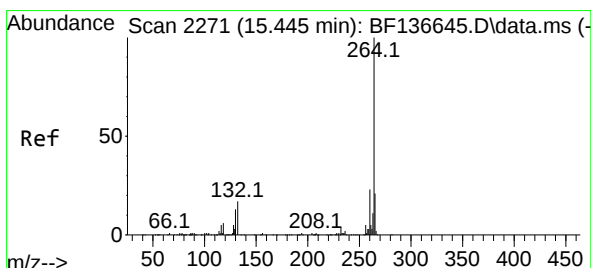
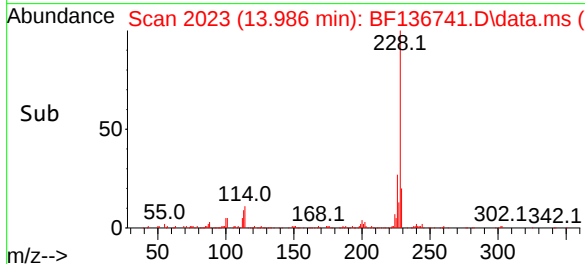
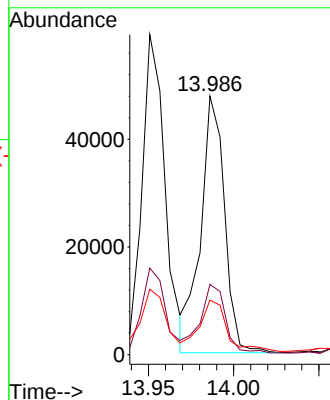
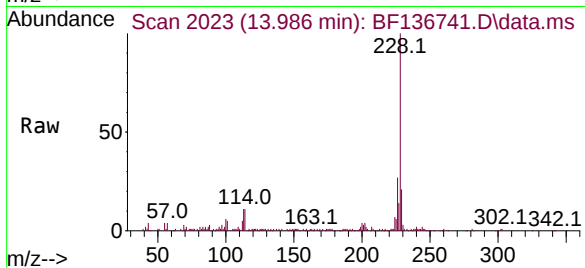
Tgt Ion:228 Resp: 46401

Ion Ratio Lower Upper

228 100

226 27.2 24.7 37.1

229 21.1 15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

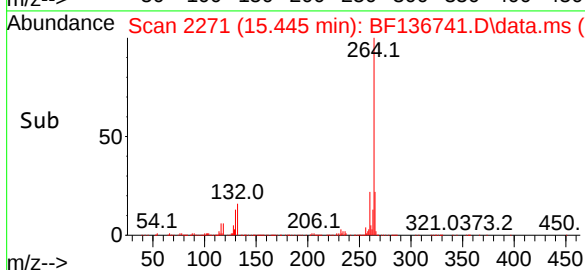
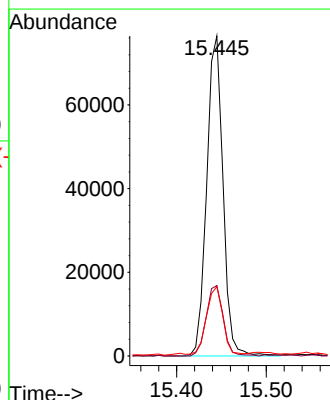
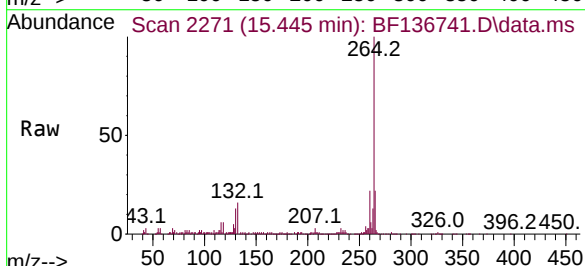
Tgt Ion:264 Resp: 96348

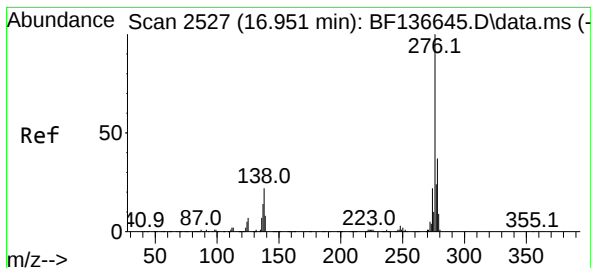
Ion Ratio Lower Upper

264 100

260 22.0 18.3 27.5

265 21.7 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.040 ng

RT: 16.939 min Scan# 2190

Delta R.T. -0.012 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-4

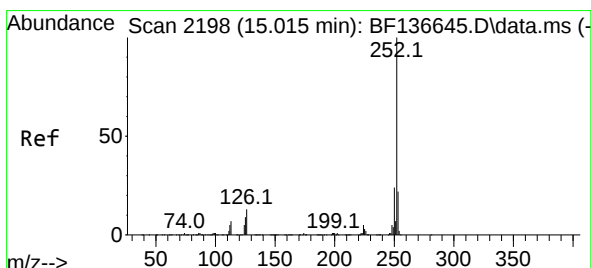
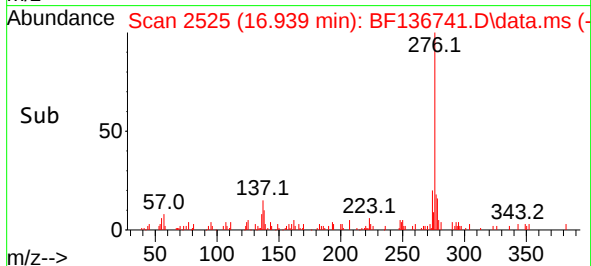
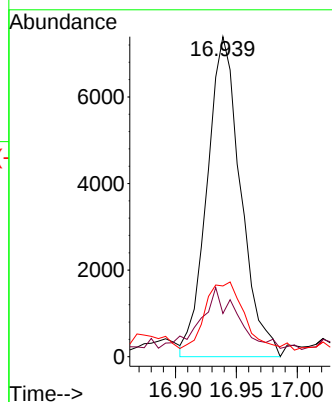
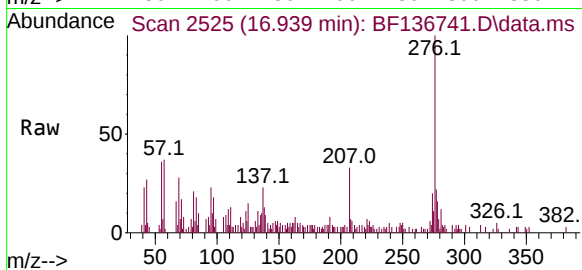
Tgt Ion:276 Resp: 14190

Ion Ratio Lower Upper

276 100

138 23.9 18.7 28.1

277 28.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 7.399 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136741.D

Acq: 27 Dec 2023 02:43

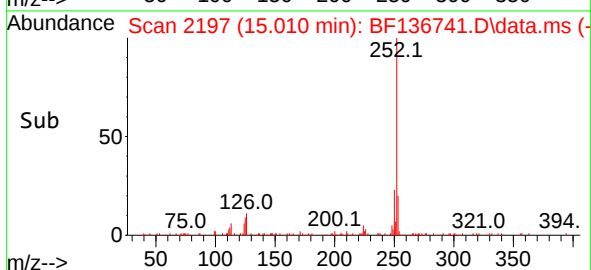
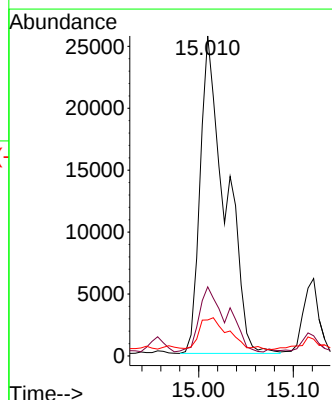
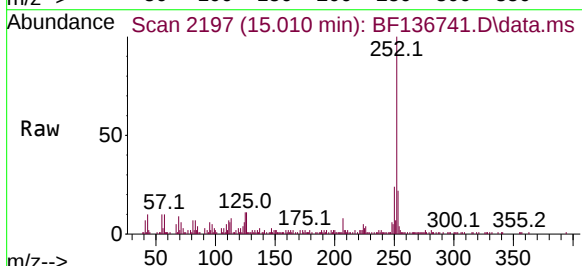
Tgt Ion:252 Resp: 47614

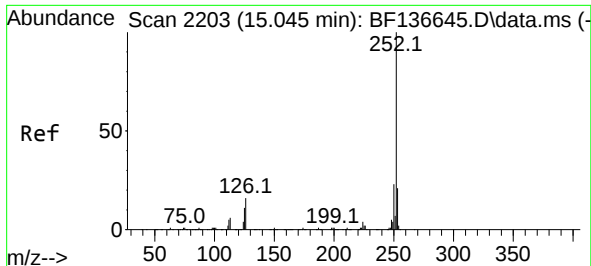
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 11.3 7.4 11.2#

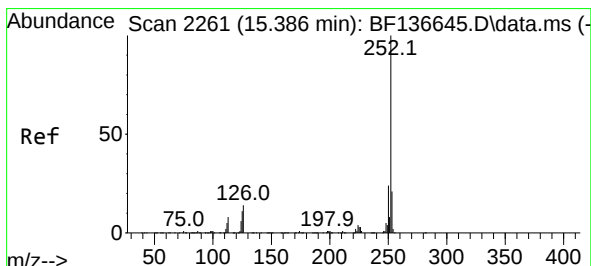
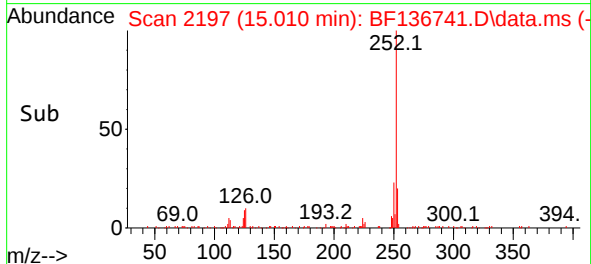
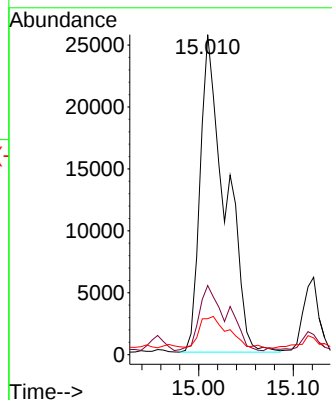
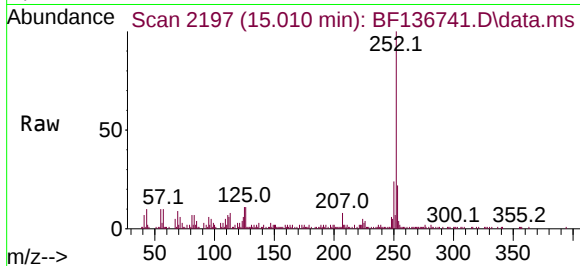




#89
Benzo(k)fluoranthene
Concen: 7.830 ng
RT: 15.010 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

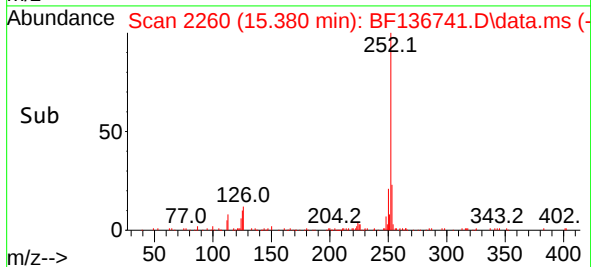
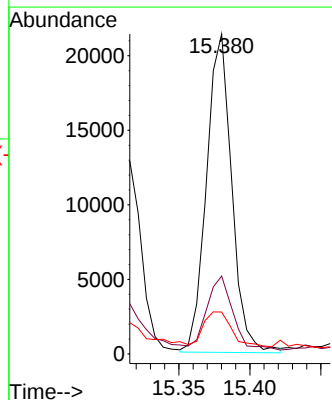
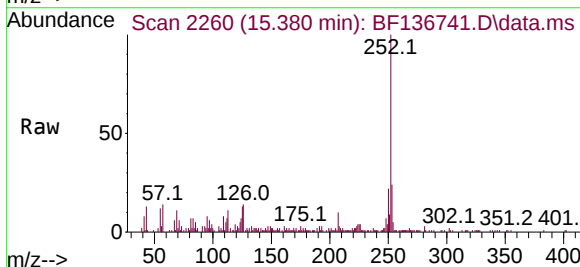
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-4

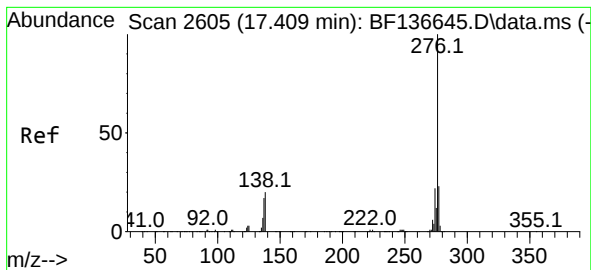
Tgt Ion:252 Resp: 47614
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 11.3 8.2 12.4



#90
Benzo(a)pyrene
Concen: 4.869 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.006 min
Lab File: BF136741.D
Acq: 27 Dec 2023 02:43

Tgt Ion:252 Resp: 26447
Ion Ratio Lower Upper
252 100
253 24.3 17.0 25.6
125 13.1 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.337 ng

RT: 17.392 min Scan# 2

Delta R.T. -0.018 min

Lab File: BF136741.D

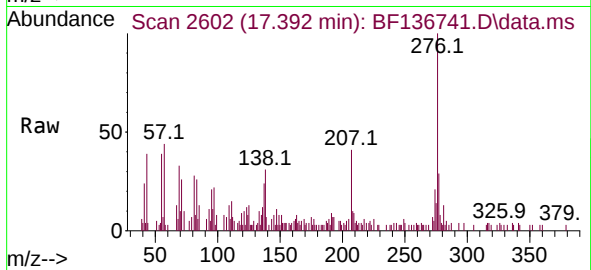
Acq: 27 Dec 2023 02:43

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-4



Tgt Ion:276 Resp: 13661

Ion Ratio Lower Upper

276 100

277 29.3 18.3 27.5#

138 30.5 15.6 23.4#

