

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122623\
 Data File : BF136745.D
 Acq On : 27 Dec 2023 04:48
 Operator : CG\JU
 Sample : 05602-09RE
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROUTE-4-TP-5

Quant Time: Dec 27 05:37:49 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)

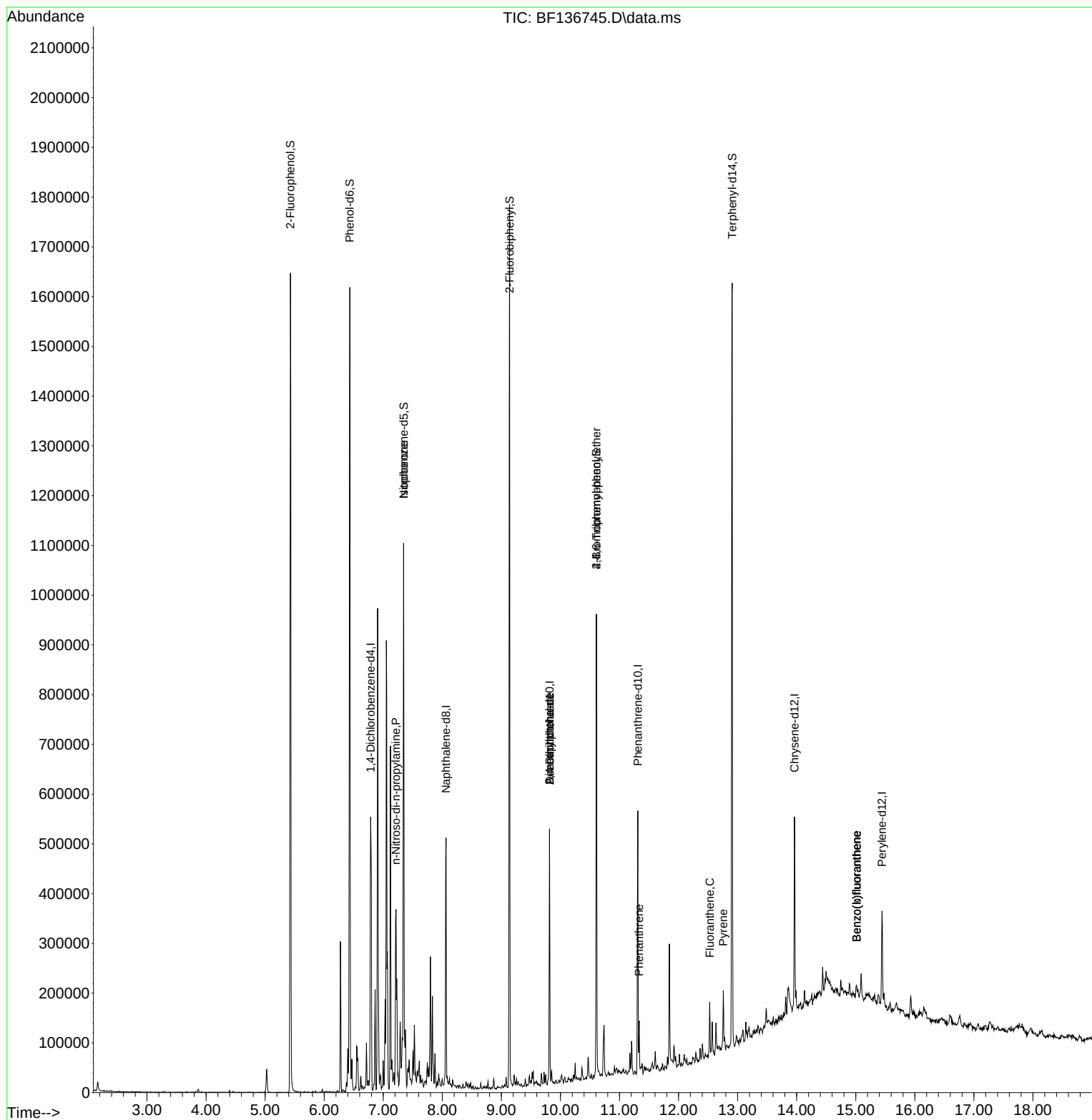
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	66880	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	214056	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	89395	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	178739	20.000	ng	0.00
76) Chrysene-d12	13.962	240	128632	20.000	ng	0.00
86) Perylene-d12	15.445	264	89001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	451075	105.234	ng	0.00
7) Phenol-d6	6.434	99	529937	95.413	ng	0.00
23) Nitrobenzene-d5	7.345	82	315855	75.507	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	109758	104.251	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	505568	76.065	ng	-0.01
79) Terphenyl-d14	12.910	244	590127	64.112	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.216	70	22685	6.738	ng	# 44
25) Isophorone	7.345	82	312766	41.090	ng	# 65
50) Dimethylphthalate	9.816	163	18316	2.805	ng	# 1
57) 2,4-Dinitrotoluene	9.816	165	11843	6.156	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	6576	3.313	ng	# 1
71) Phenanthrene	11.333	178	35549	3.876	ng	97
75) Fluoranthene	12.527	202	40898	4.169	ng	97
78) Pyrene	12.757	202	47440	3.757	ng	99
88) Benzo(b)fluoranthene	15.015	252	16782	2.823	ng	# 74
89) Benzo(k)fluoranthene	15.015	252	16782	2.988	ng	# 74

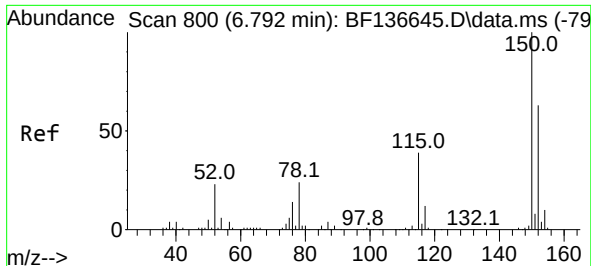
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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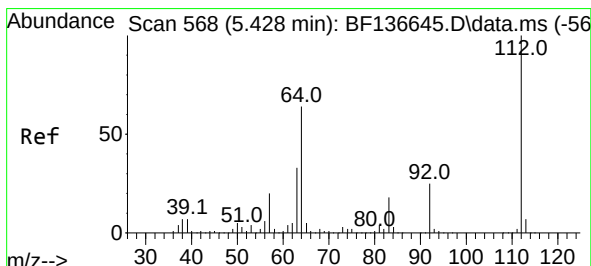
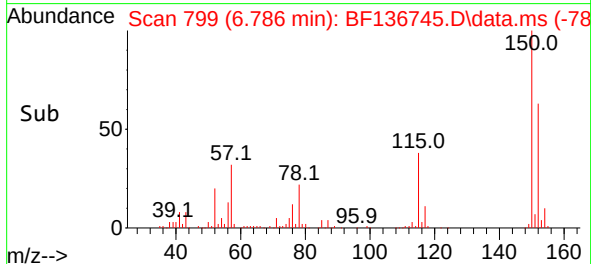
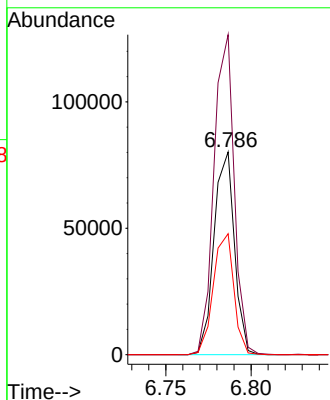
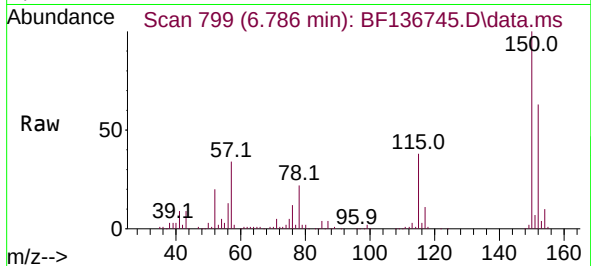




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.786 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF136745.D
 Acq: 27 Dec 2023 04:48

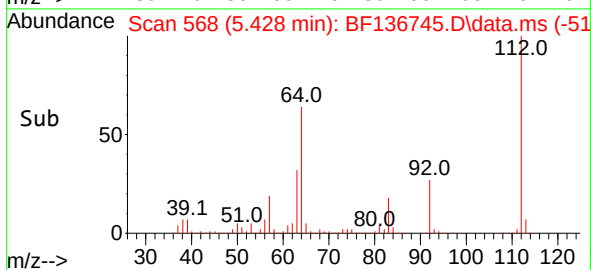
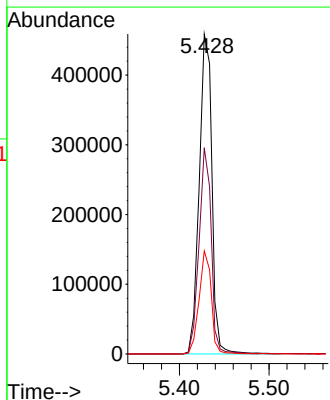
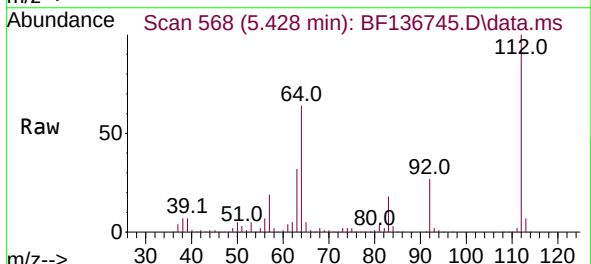
Instrument :
 BNA_F
 ClientSampleId :
 ROUTE-4-TP-5

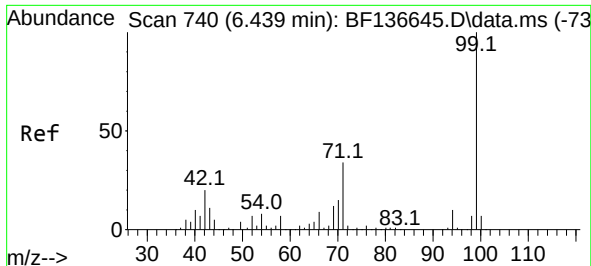
Tgt Ion:152 Resp: 66880
 Ion Ratio Lower Upper
 152 100
 150 157.8 127.0 190.6
 115 59.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 105.234 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136745.D
 Acq: 27 Dec 2023 04:48

Tgt Ion:112 Resp: 451075
 Ion Ratio Lower Upper
 112 100
 64 64.5 51.1 76.7
 63 32.2 26.1 39.1

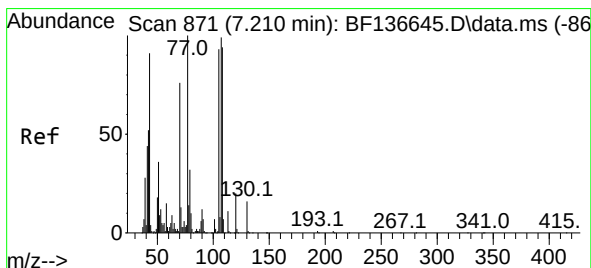
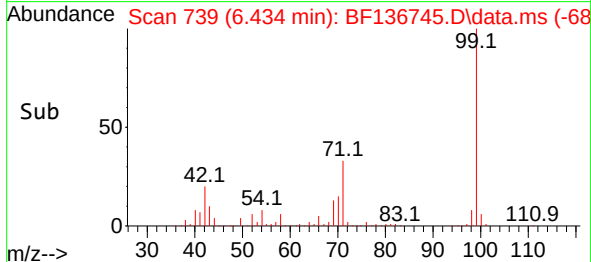
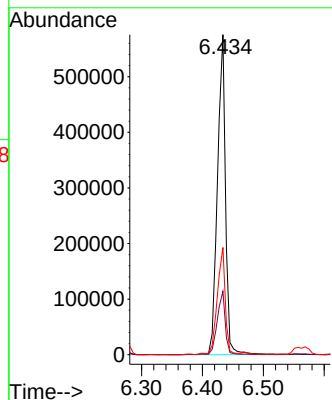
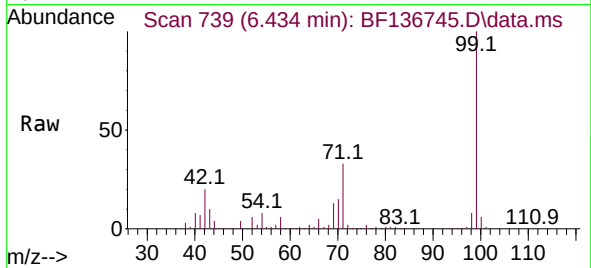




#7
Phenol-d6
Concen: 95.413 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

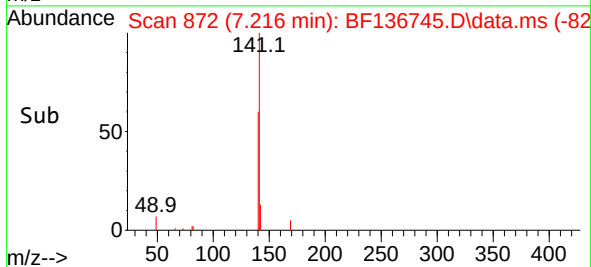
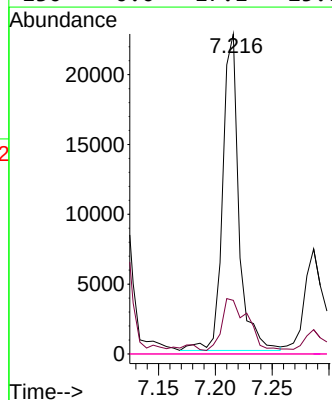
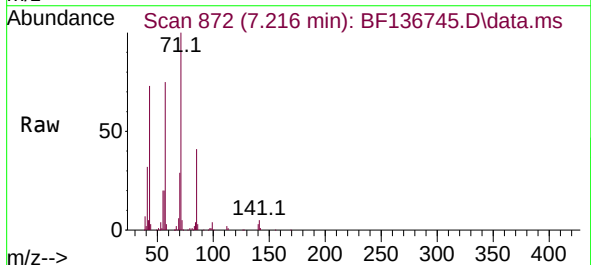
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-5

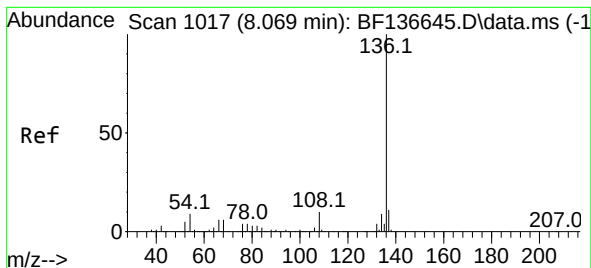
Tgt Ion: 99 Resp: 529937
Ion Ratio Lower Upper
99 100
42 19.8 16.1 24.1
71 33.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.738 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion: 70 Resp: 22685
Ion Ratio Lower Upper
70 100
42 16.8 54.2 81.4#
101 0.0 7.6 11.4#
130 0.0 17.1 25.7#



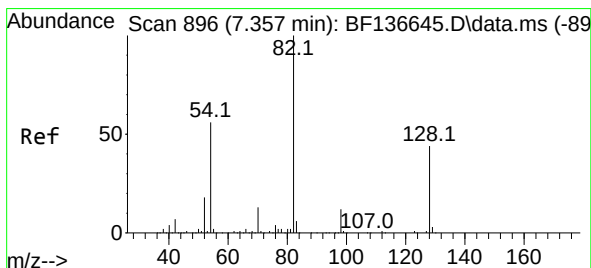
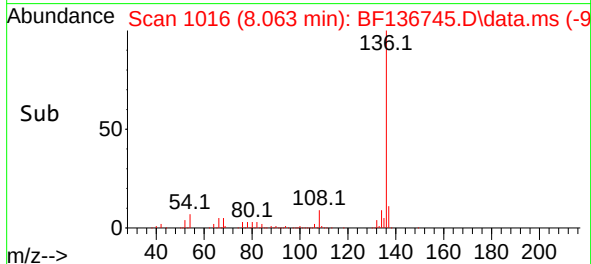
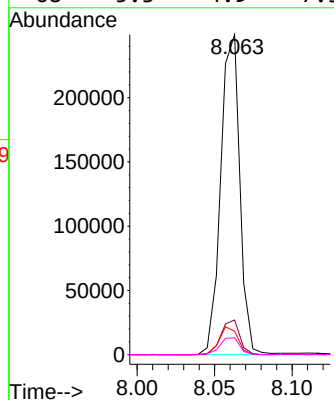
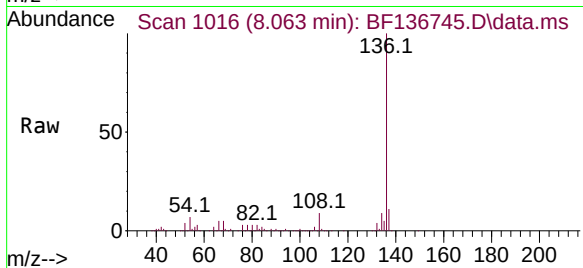


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-5

Tgt Ion:136 Resp: 214056

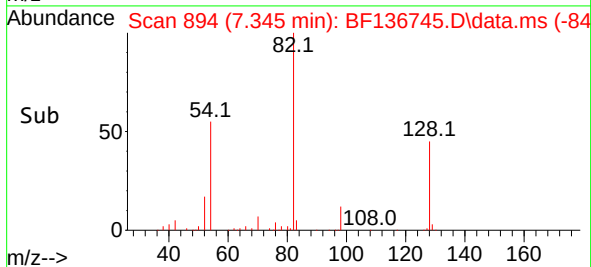
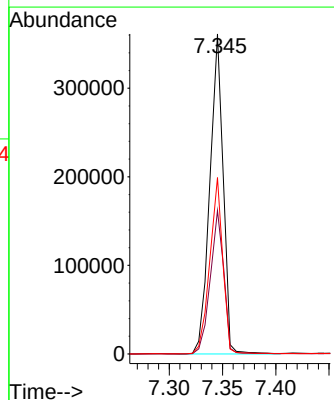
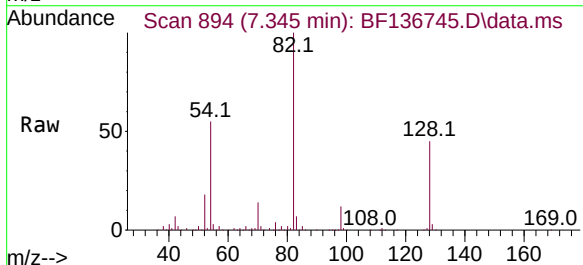
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.4	7.2	10.8
68	5.3	4.9	7.3

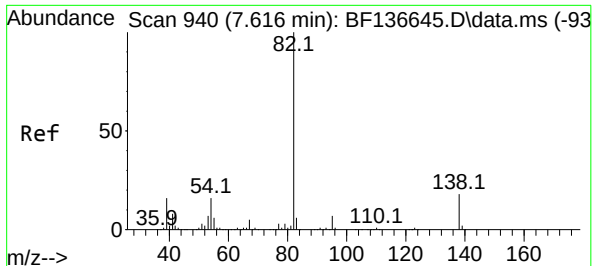


#23
Nitrobenzene-d5
Concen: 75.507 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion: 82 Resp: 315855

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.3	52.9
54	55.1	44.5	66.7

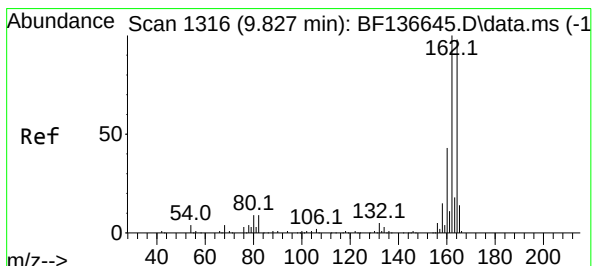
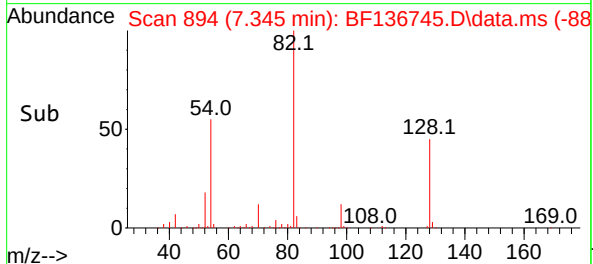
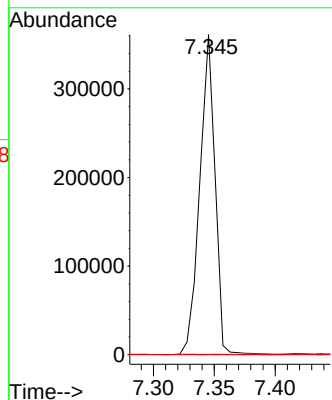
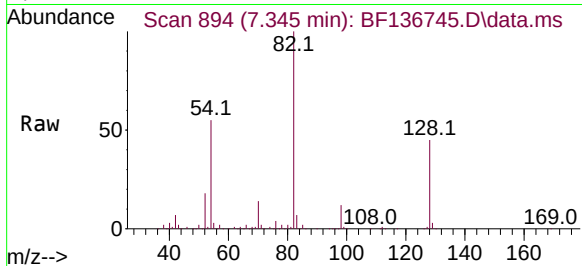




#25
Isophorone
Concen: 41.090 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

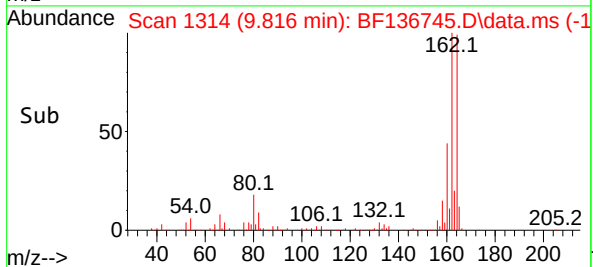
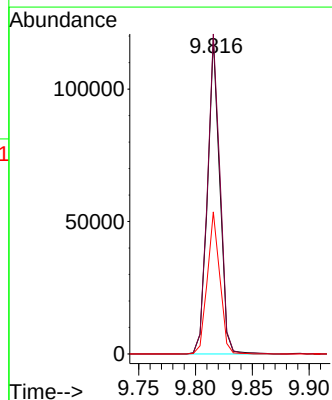
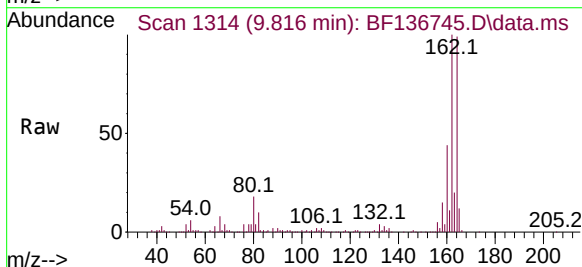
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-5

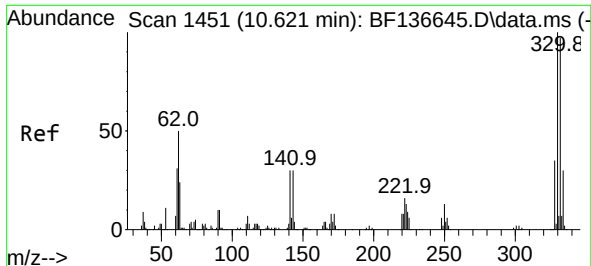
Tgt Ion: 82 Resp: 312766
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion:164 Resp: 89395
Ion Ratio Lower Upper
164 100
162 101.4 81.6 122.4
160 45.0 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 104.251 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-5

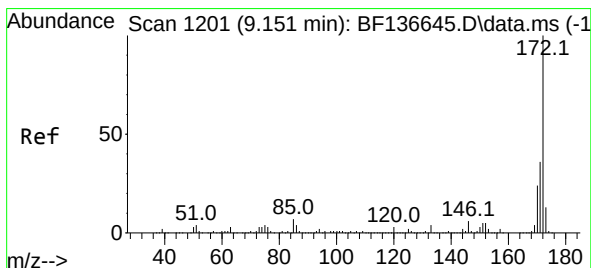
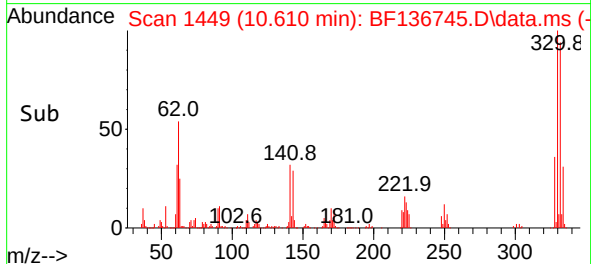
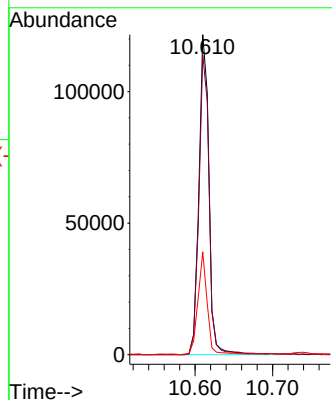
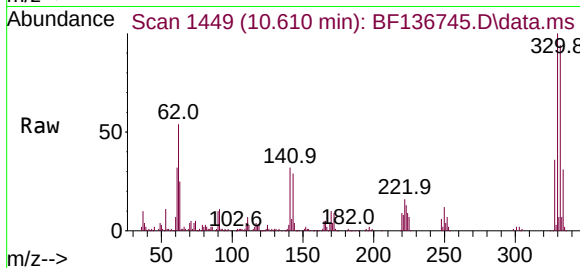
Tgt Ion:330 Resp: 109758

Ion Ratio Lower Upper

330 100

332 94.7 77.4 116.0

141 29.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 76.065 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

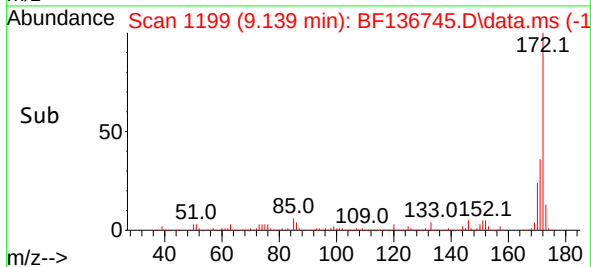
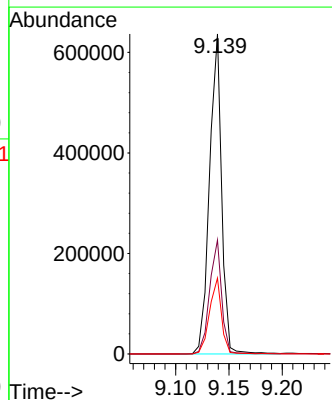
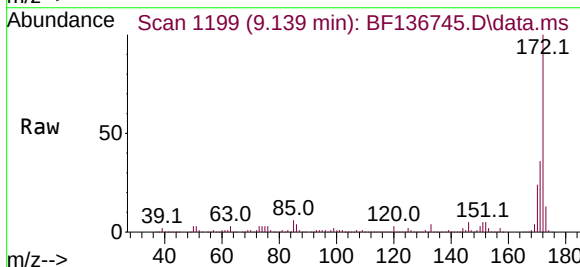
Tgt Ion:172 Resp: 505568

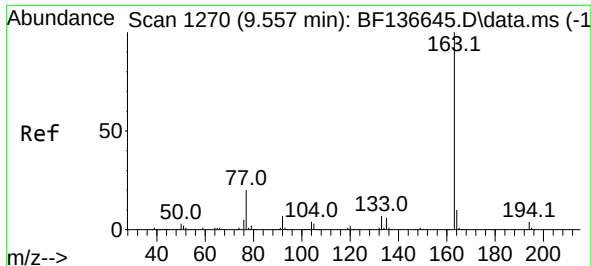
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 23.7 19.0 28.4

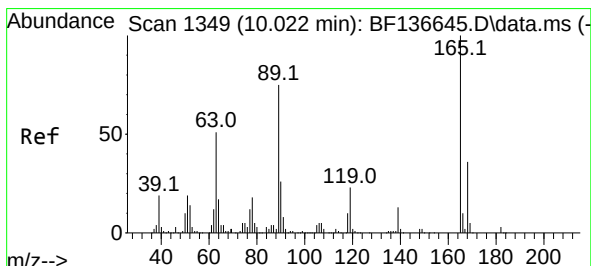
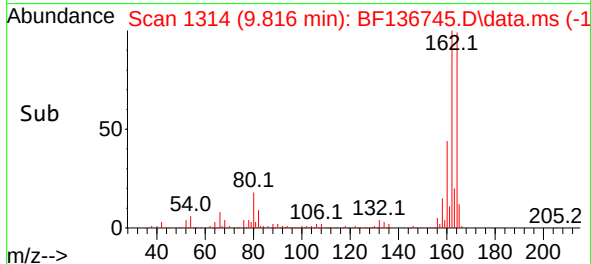
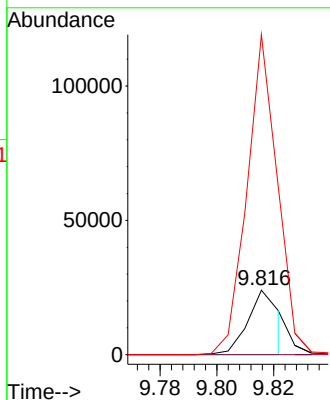
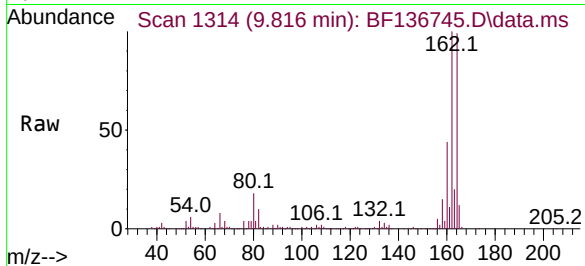




#50
Dimethylphthalate
Concen: 2.805 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

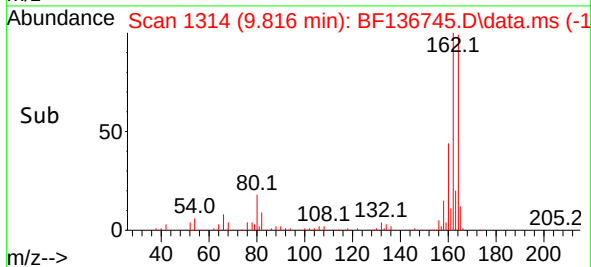
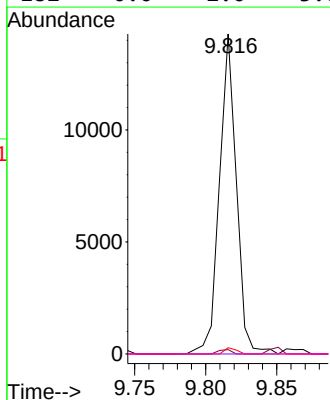
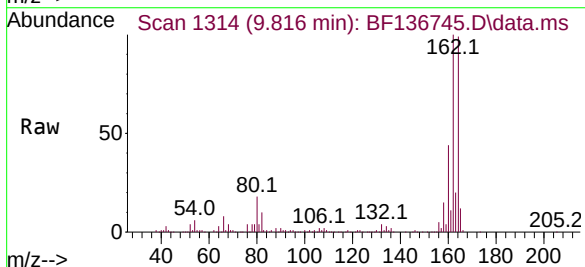
Instrument :
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ROUTE-4-TP-5

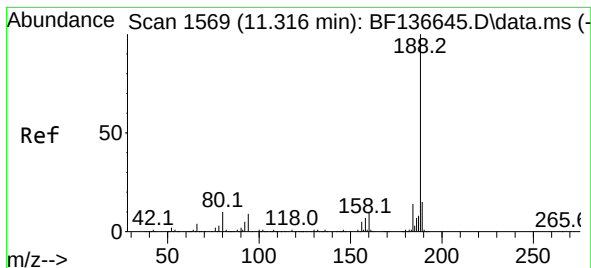
Tgt Ion:163 Resp: 18316
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 495.9 7.8 11.6#



#57
2,4-Dinitrotoluene
Concen: 6.156 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion:165 Resp: 11843
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.6#
89 1.9 59.9 89.9#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-5

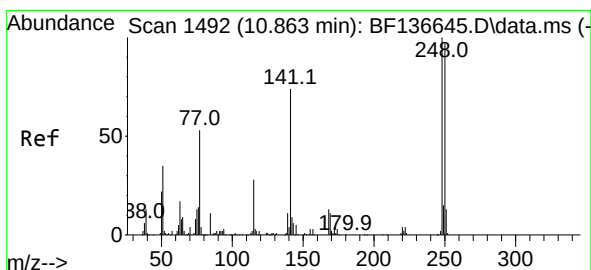
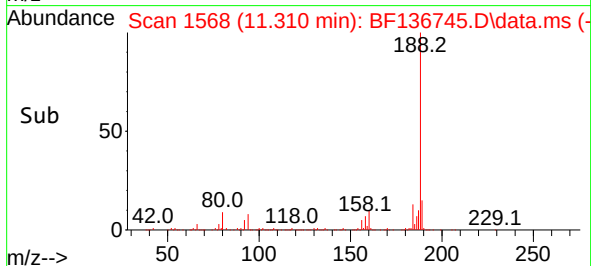
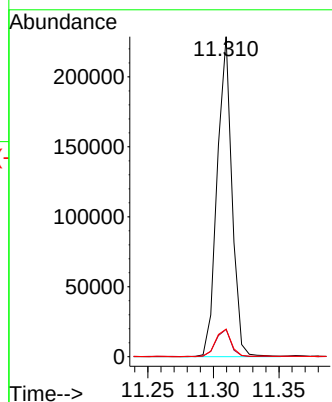
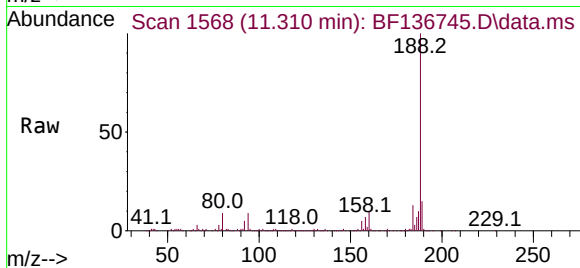
Tgt Ion:188 Resp: 178739

Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

80 8.6 8.1 12.1



#67

4-Bromophenyl-phenylether

Concen: 3.313 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

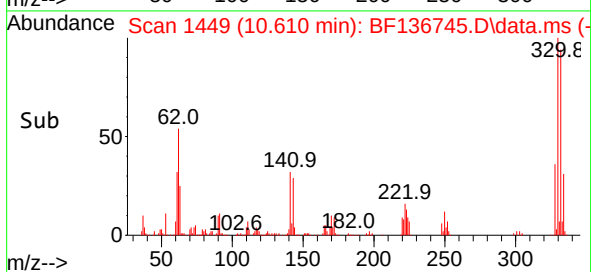
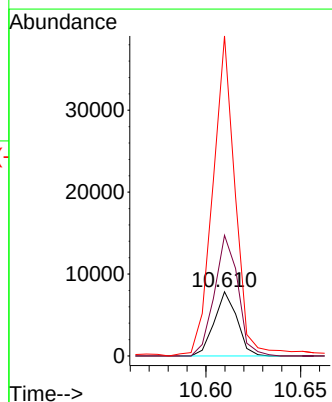
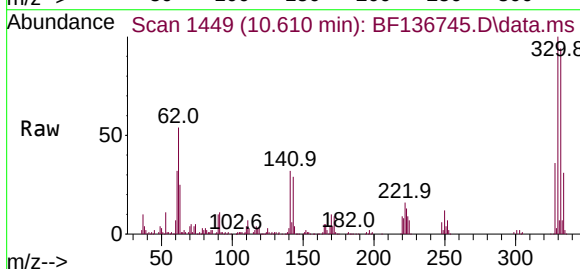
Tgt Ion:248 Resp: 6576

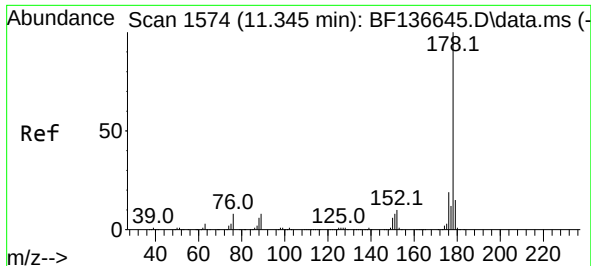
Ion Ratio Lower Upper

248 100

250 188.2 77.8 116.6#

141 499.2 59.2 88.8#

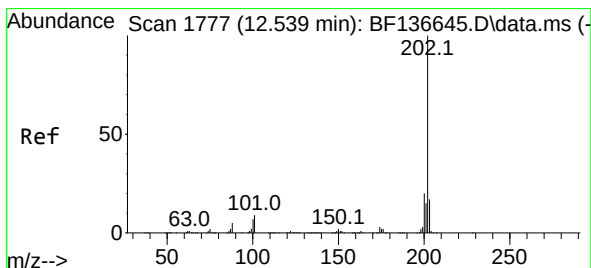
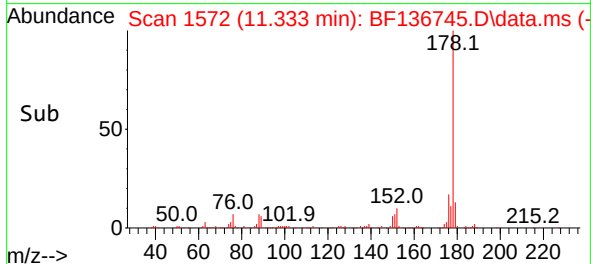
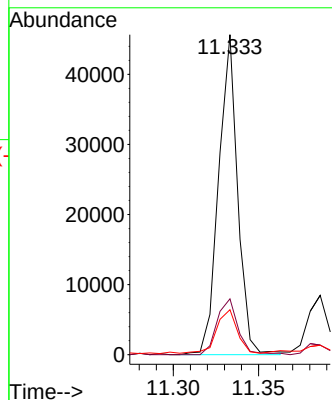
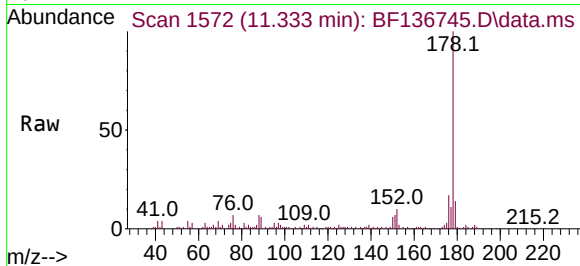




#71
Phenanthrene
Concen: 3.876 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

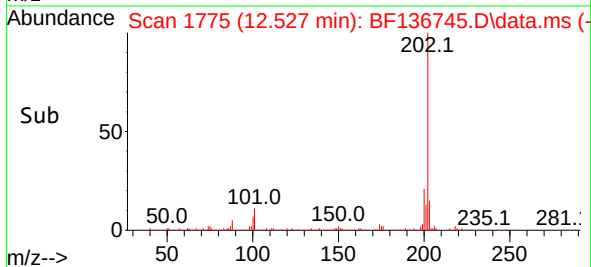
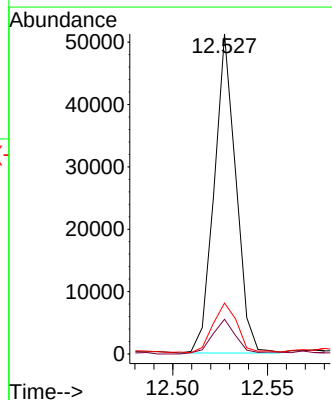
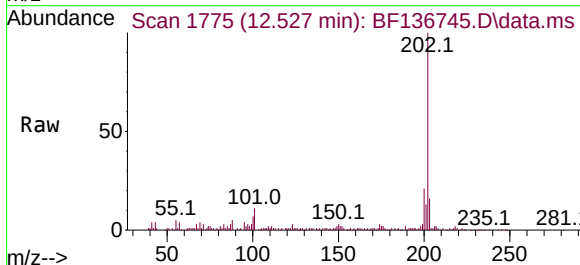
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-5

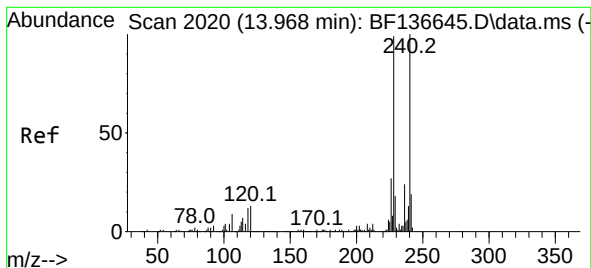
Tgt Ion:178 Resp: 35549
Ion Ratio Lower Upper
178 100
176 17.4 15.3 22.9
179 14.1 11.9 17.9



#75
Fluoranthene
Concen: 4.169 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion:202 Resp: 40898
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.3
203 15.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-5

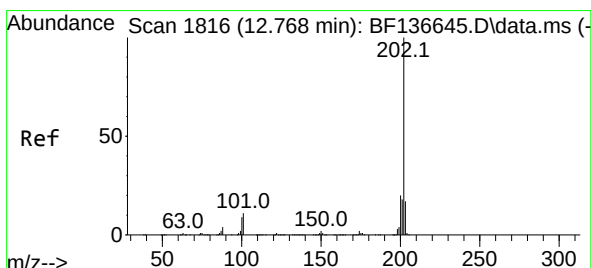
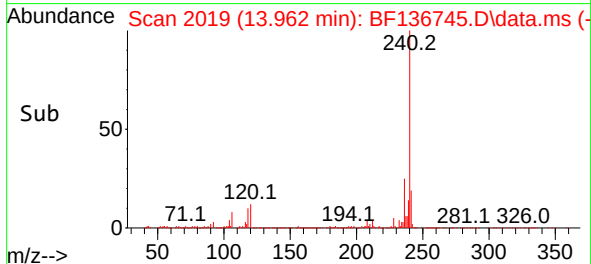
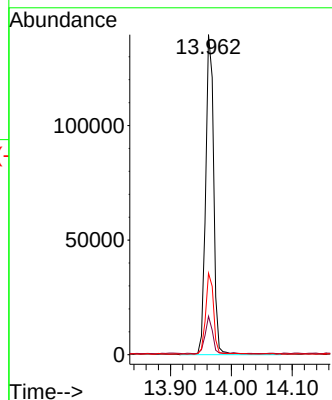
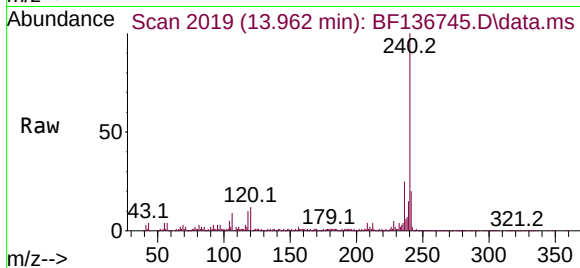
Tgt Ion:240 Resp: 128632

Ion Ratio Lower Upper

240 100

120 12.0 10.3 15.5

236 25.4 19.4 29.2



#78

Pyrene

Concen: 3.757 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

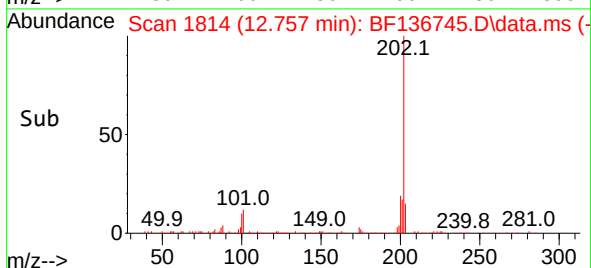
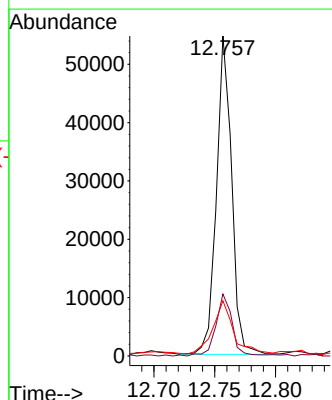
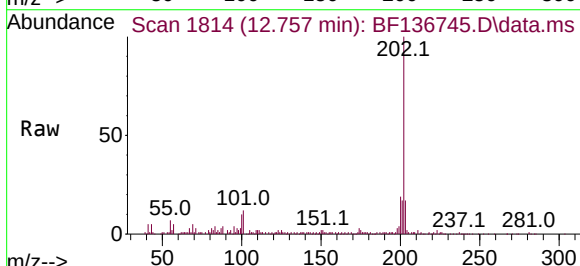
Tgt Ion:202 Resp: 47440

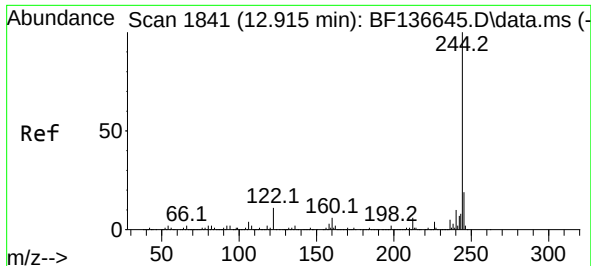
Ion Ratio Lower Upper

202 100

200 19.4 15.9 23.9

203 17.3 13.8 20.6

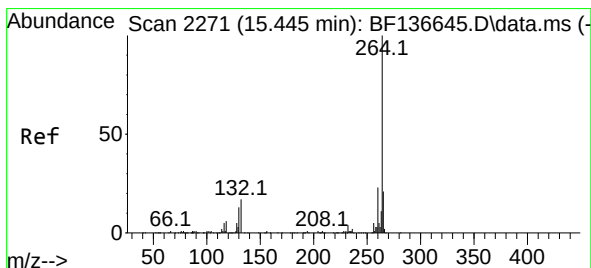
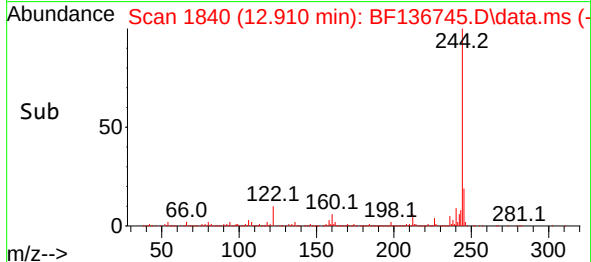
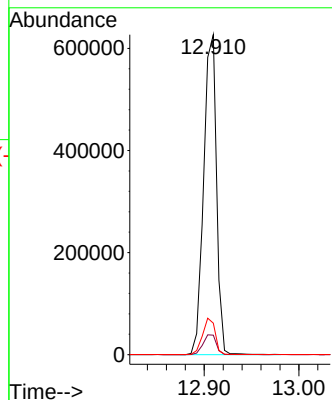
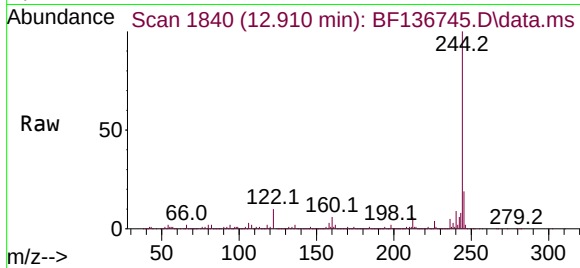




#79
Terphenyl-d14
Concen: 64.112 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

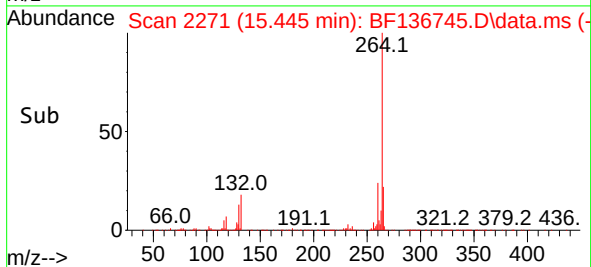
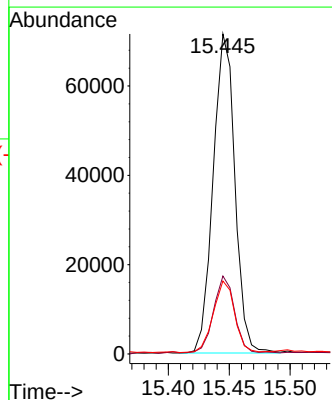
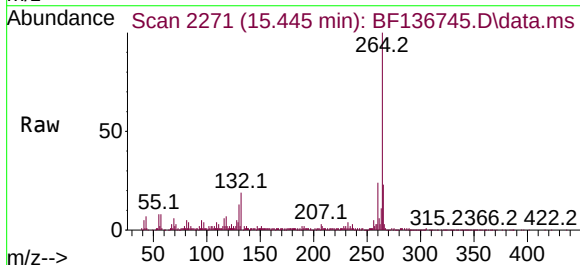
Instrument :
BNA_F
ClientSampleId :
ROUTE-4-TP-5

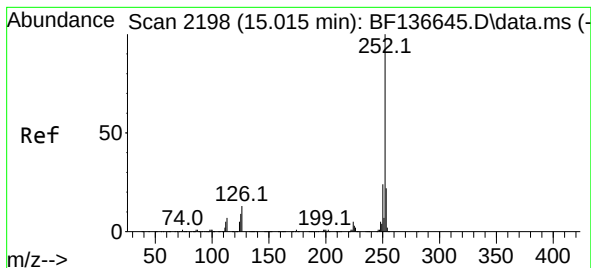
Tgt Ion:244 Resp: 590127
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 9.8 9.0 13.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136745.D
Acq: 27 Dec 2023 04:48

Tgt Ion:264 Resp: 89001
Ion Ratio Lower Upper
264 100
260 24.3 18.3 27.5
265 22.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 2.823 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

Instrument :

BNA_F

ClientSampleId :

ROUTE-4-TP-5

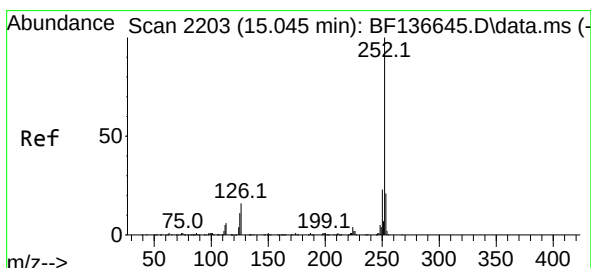
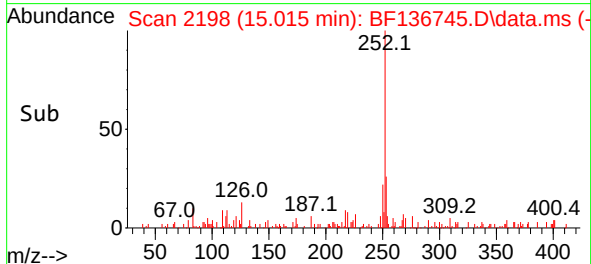
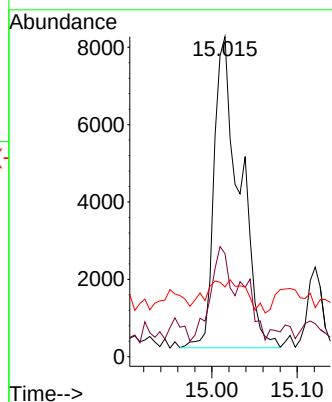
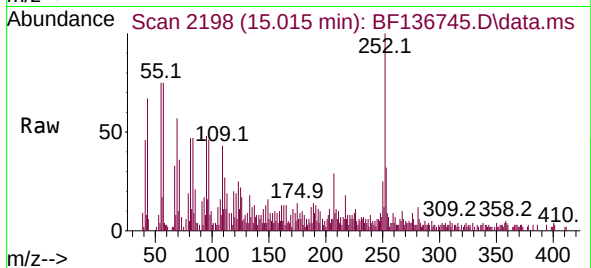
Tgt Ion:252 Resp: 16782

Ion Ratio Lower Upper

252 100

253 32.2 17.4 26.0#

125 21.8 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 2.988 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136745.D

Acq: 27 Dec 2023 04:48

Tgt Ion:252 Resp: 16782

Ion Ratio Lower Upper

252 100

253 32.2 17.0 25.6#

125 21.8 8.2 12.4#

