

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141770.D
 Acq On : 25 Feb 2025 18:04
 Operator : RC/JU
 Sample : Q1420-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-WC

Quant Time: Feb 26 00:08:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

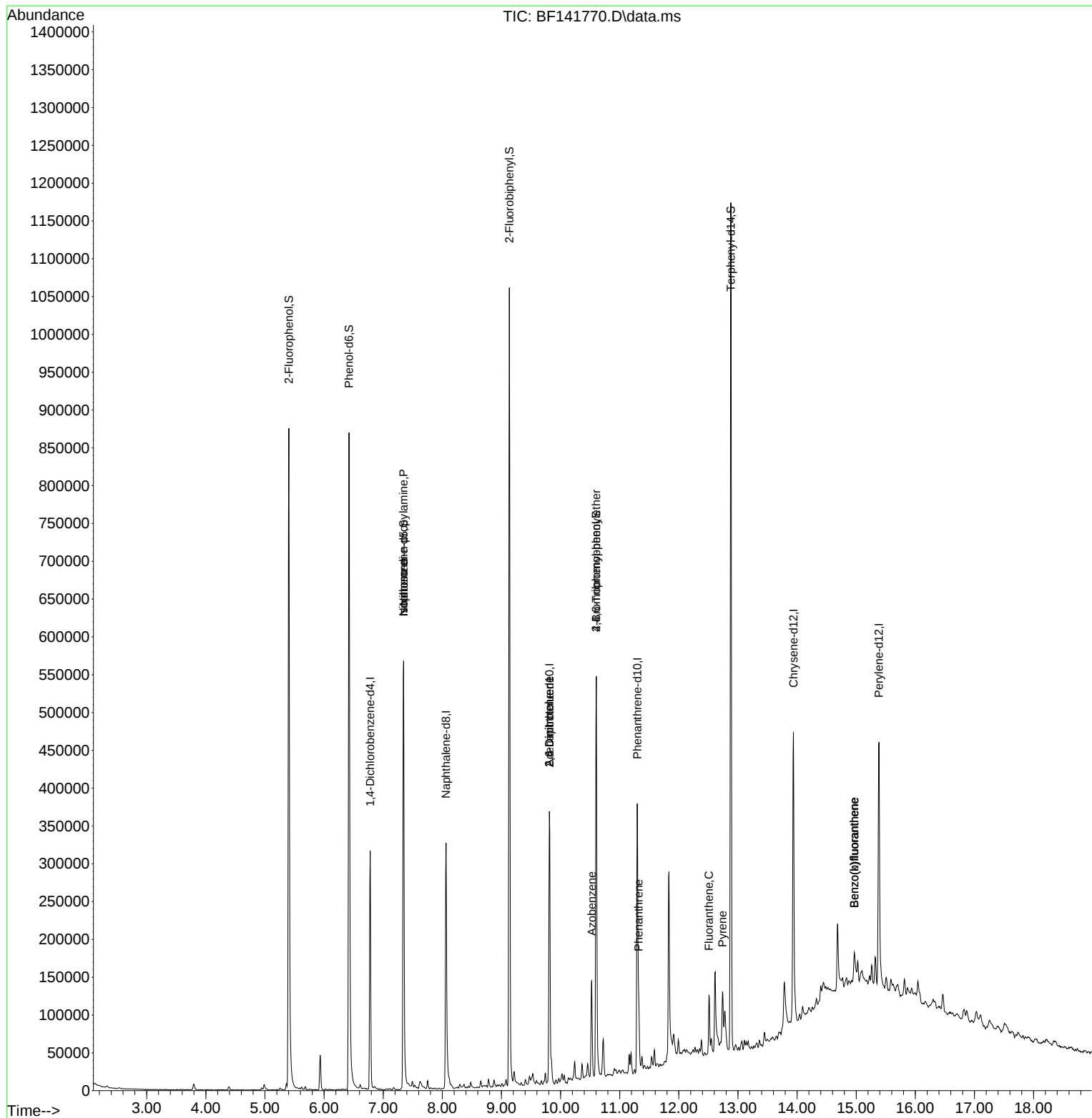
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	64601	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	236710	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	116341	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	191686	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	185352	20.000	ng	-0.02
86) Perylene-d12	15.386	264	197499	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	373663	90.681	ng	0.00
7) Phenol-d6	6.422	99	448115	86.041	ng	-0.02
23) Nitrobenzene-d5	7.345	82	284646	62.721	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	95532	81.742	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	485705	64.319	ng	-0.02
79) Terphenyl-d14	12.880	244	546575	49.782	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	37603	12.070	ng	# 73
25) Isophorone	7.345	82	276503	38.211	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	15206	8.807	ng	# 23
57) 2,4-Dinitrotoluene	9.810	165	15206	6.616	ng	# 19
63) Azobenzene	10.527	77	32295	4.180	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	6222	2.904	ng	# 1
71) Phenanthrene	11.322	178	46678	4.424	ng	99
75) Fluoranthene	12.510	202	47095	4.210	ng	100
78) Pyrene	12.739	202	44714	2.834	ng	97
88) Benzo(b)fluoranthene	14.968	252	33081	2.495	ng	# 89
89) Benzo(k)fluoranthene	14.968	252	33081	2.921	ng	# 90

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

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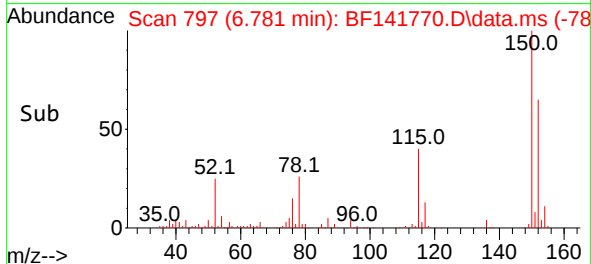
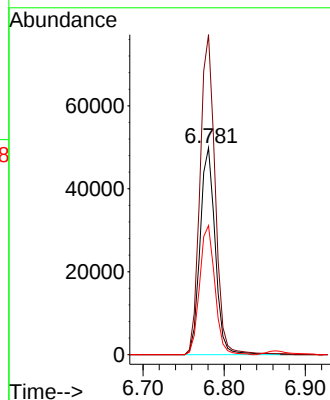
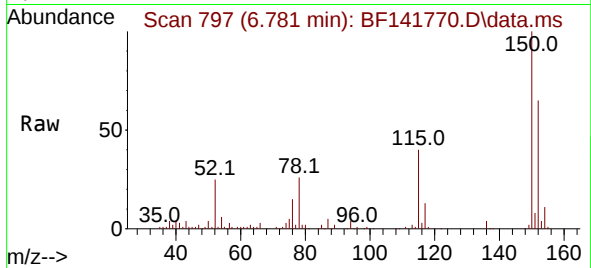




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

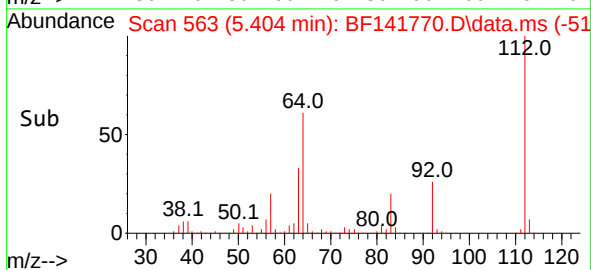
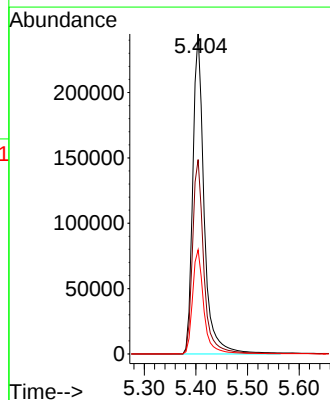
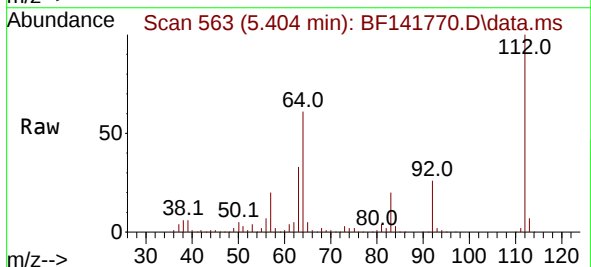
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

Tgt Ion:152 Resp: 64601
Ion Ratio Lower Upper
152 100
150 154.7 125.0 187.4
115 62.4 53.6 80.4



#5
2-Fluorophenol
Concen: 90.681 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:112 Resp: 373663
Ion Ratio Lower Upper
112 100
64 60.8 51.1 76.7
63 32.6 28.4 42.6

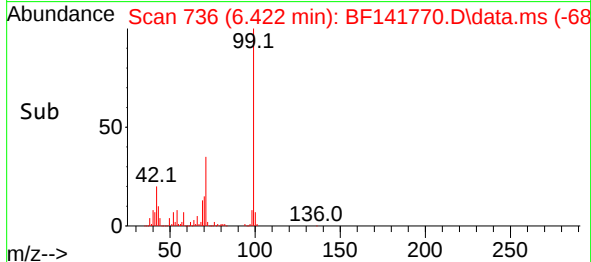
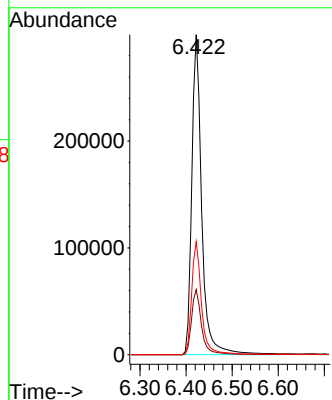
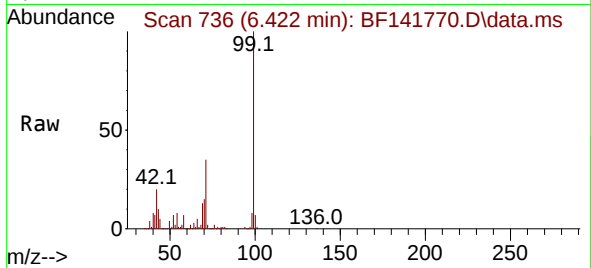




#7
Phenol-d6
Concen: 86.041 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

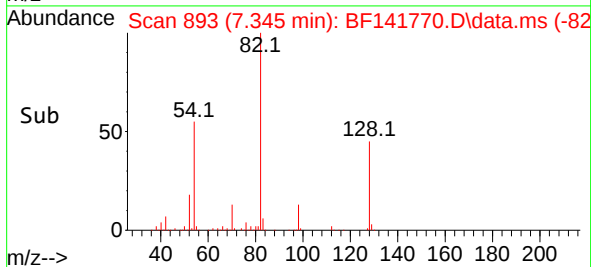
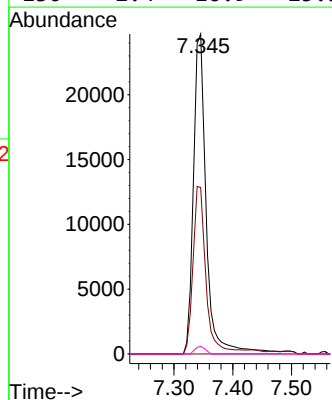
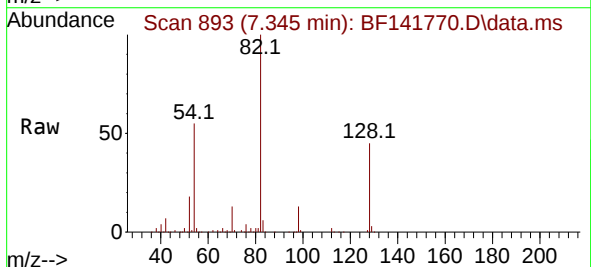
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

Tgt Ion: 99 Resp: 448115
Ion Ratio Lower Upper
99 100
42 20.4 19.1 28.7
71 35.3 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.070 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion: 70 Resp: 37603
Ion Ratio Lower Upper
70 100
42 52.0 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

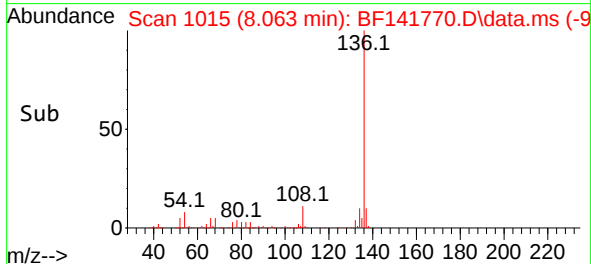
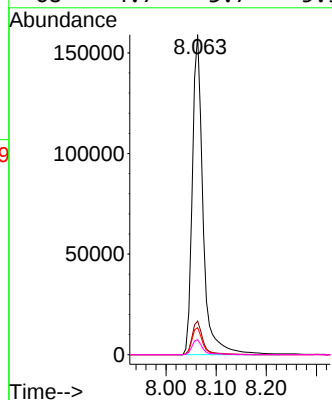
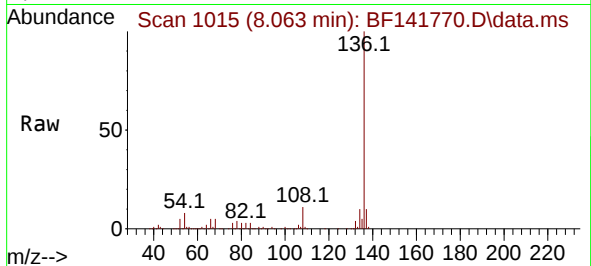




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

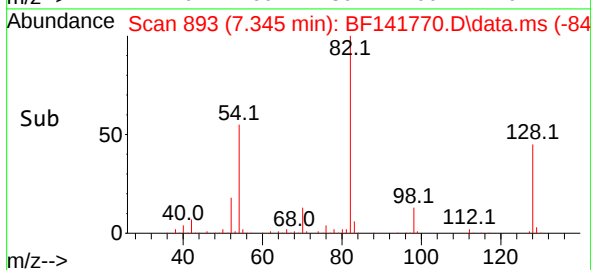
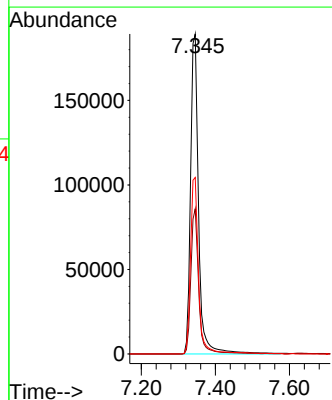
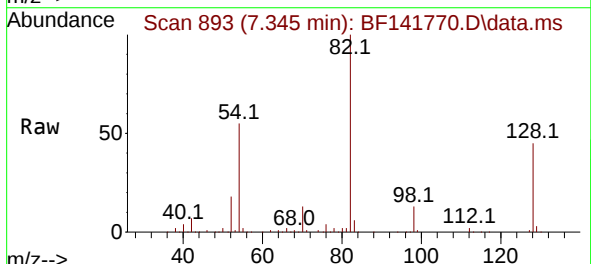
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

Tgt Ion:136 Resp: 236710
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.4 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 62.721 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion: 82 Resp: 284646
Ion Ratio Lower Upper
82 100
128 45.4 34.8 52.2
54 55.1 48.2 72.4

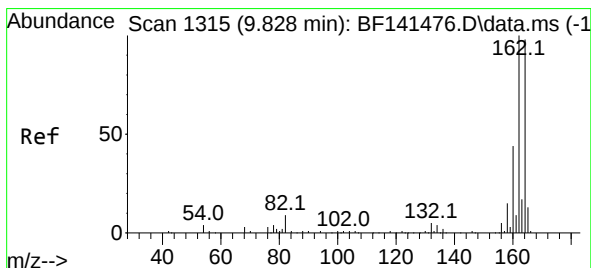
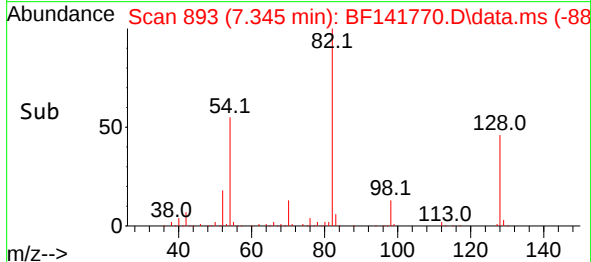
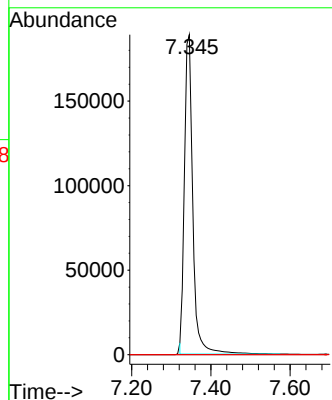
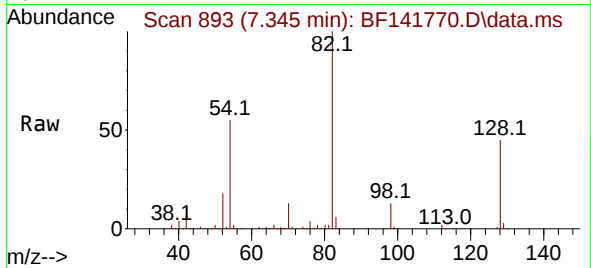




#25
Isophorone
Concen: 38.211 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

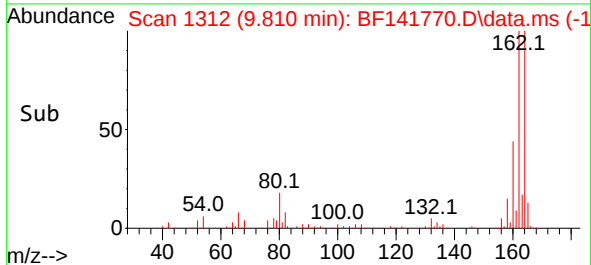
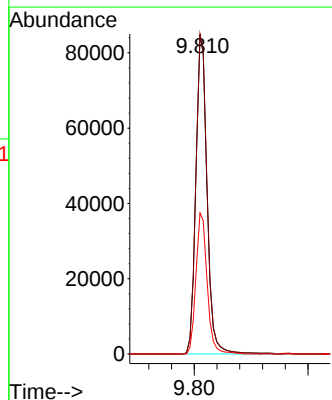
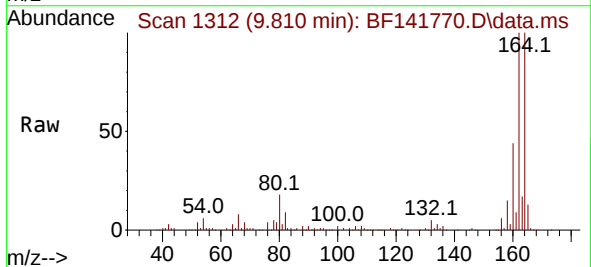
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

Tgt Ion: 82 Resp: 276503
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:164 Resp: 116341
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 44.2 35.9 53.9

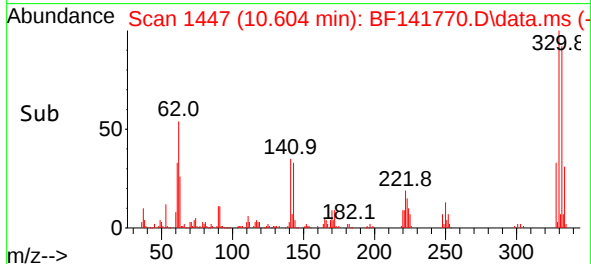
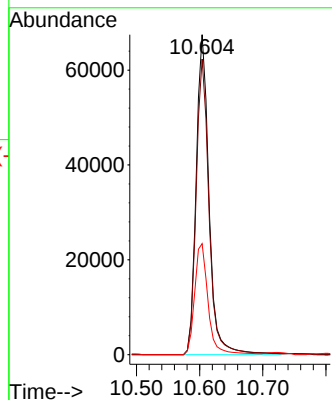
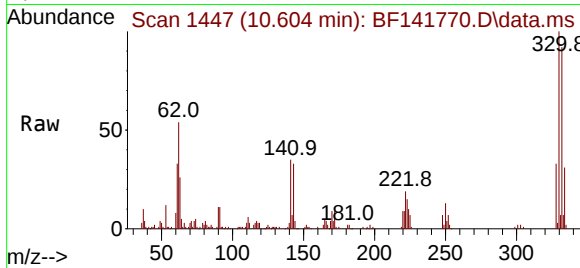




#42
2,4,6-Tribromophenol
Concen: 81.742 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

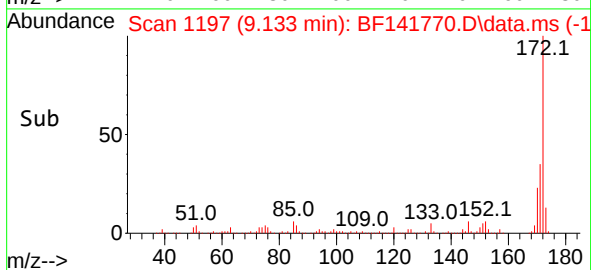
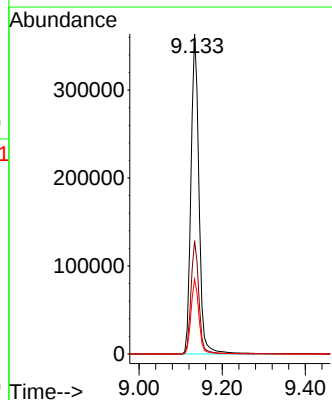
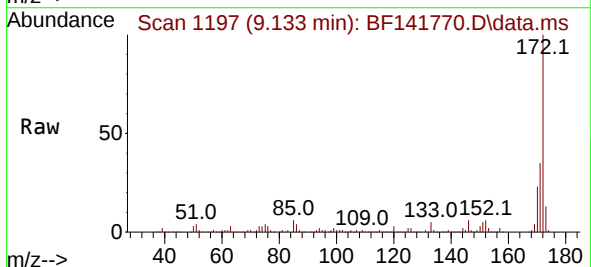
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

Tgt Ion: 330 Resp: 95532
Ion Ratio Lower Upper
330 100
332 93.0 78.5 117.7
141 36.3 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 64.319 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion: 172 Resp: 485705
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.3 18.9 28.3

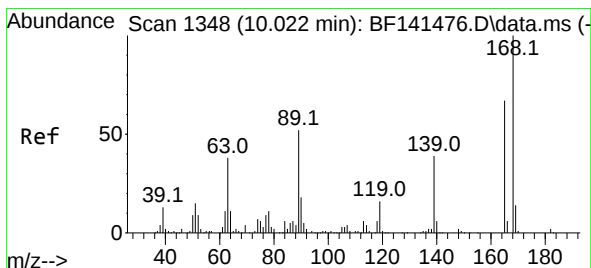
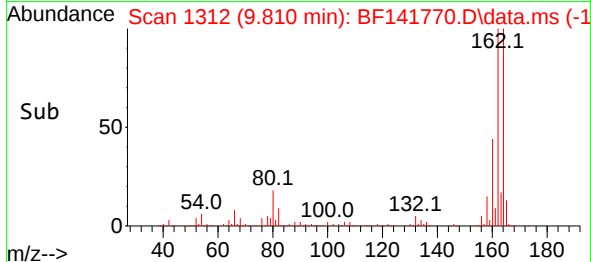
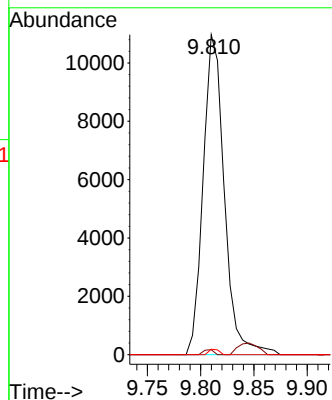
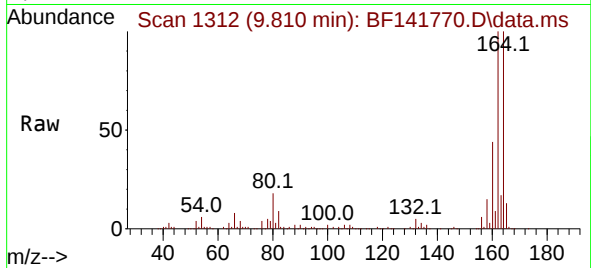




#51
2,6-Dinitrotoluene
Concen: 8.807 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.188 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

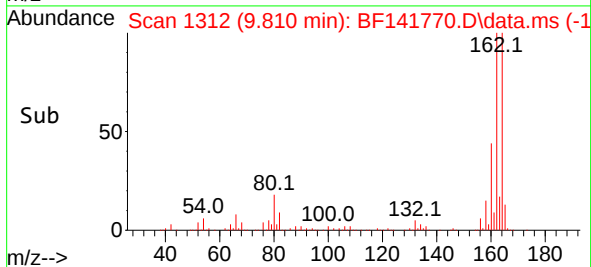
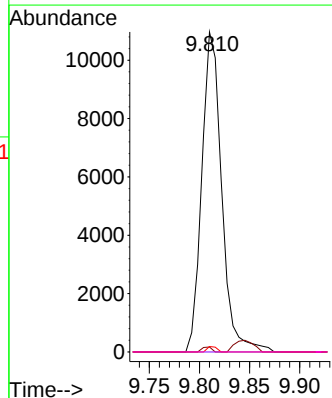
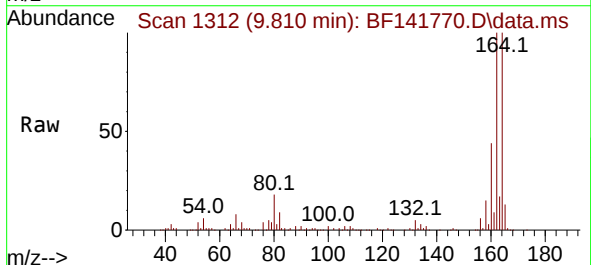
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

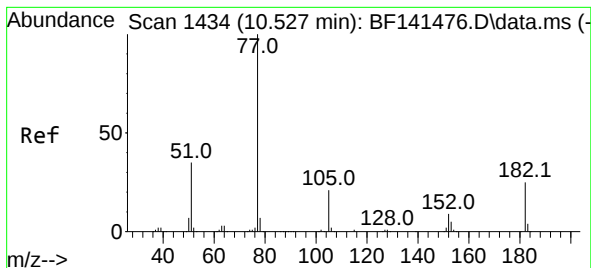
Tgt Ion:165 Resp: 15206
Ion Ratio Lower Upper
165 100
63 1.6 49.4 74.0#
89 1.7 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.616 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.218 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:165 Resp: 15206
Ion Ratio Lower Upper
165 100
63 1.6 46.4 69.6#
89 1.7 61.8 92.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 4.180 ng

RT: 10.527 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141770.D

Acq: 25 Feb 2025 18:04

Instrument :

BNA_F

ClientSampleId :

TP-1-WC

Tgt Ion: 77 Resp: 32295

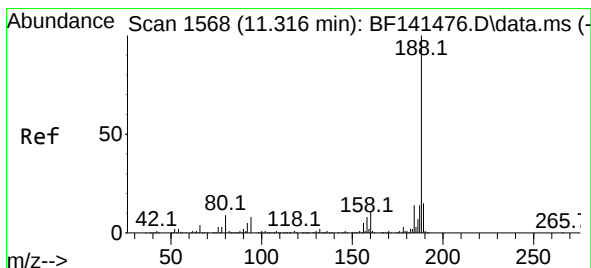
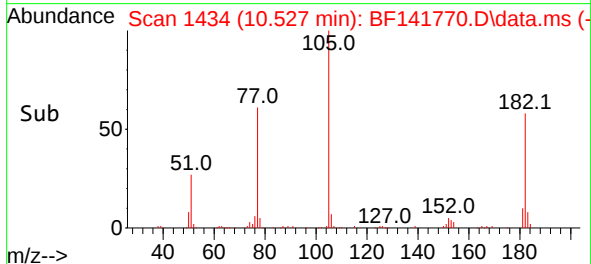
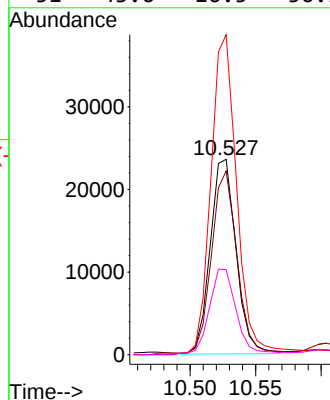
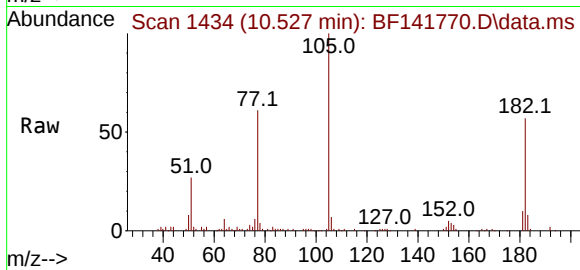
Ion Ratio Lower Upper

77 100

182 94.1 4.7 44.7#

105 163.9 0.4 40.4#

51 43.6 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.018 min

Lab File: BF141770.D

Acq: 25 Feb 2025 18:04

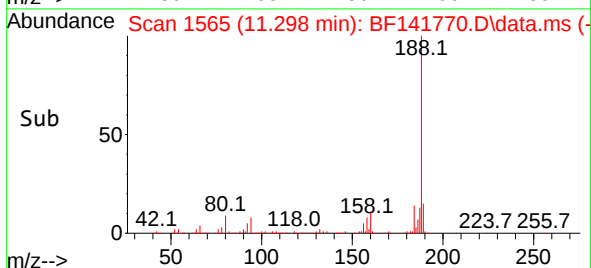
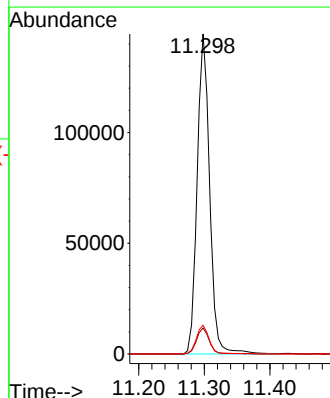
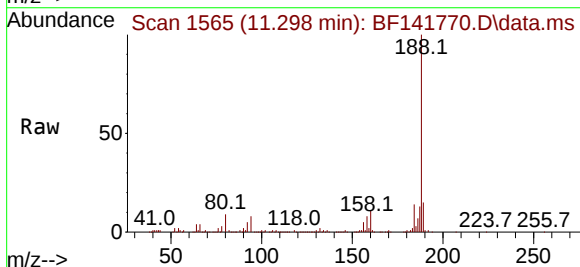
Tgt Ion:188 Resp: 191686

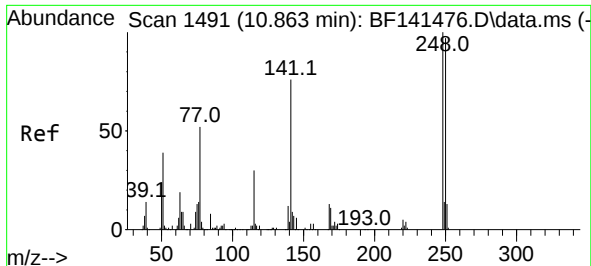
Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

80 9.0 7.3 10.9

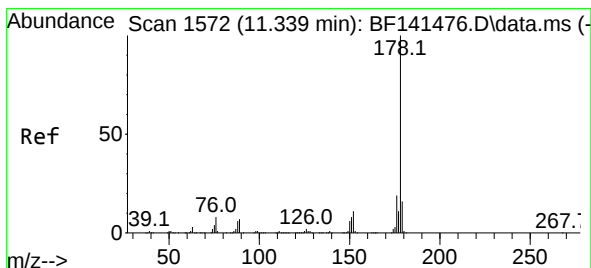
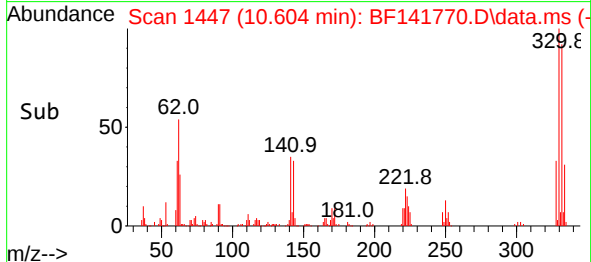
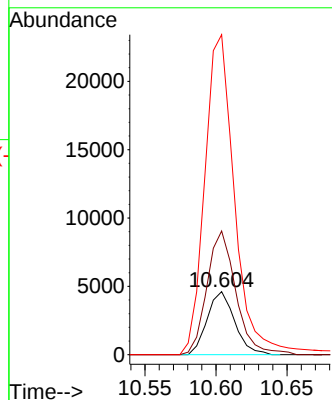
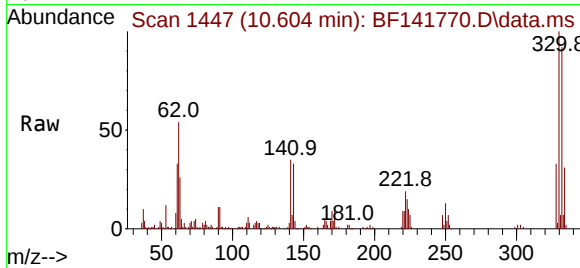




#67
4-Bromophenyl-phenylether
Concen: 2.904 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

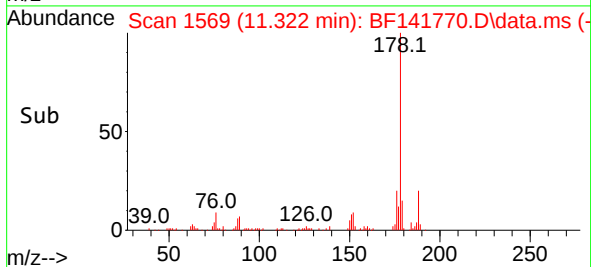
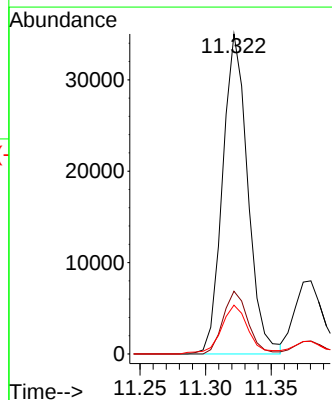
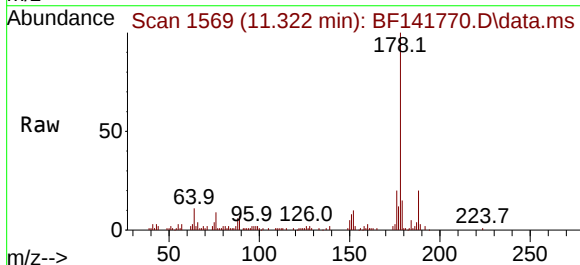
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

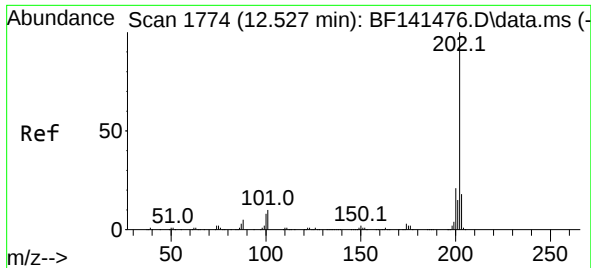
Tgt Ion:248 Resp: 6222
Ion Ratio Lower Upper
248 100
250 196.1 77.8 116.6#
141 507.3 60.6 90.8#



#71
Phenanthrene
Concen: 4.424 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:178 Resp: 46678
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.2 12.4 18.6

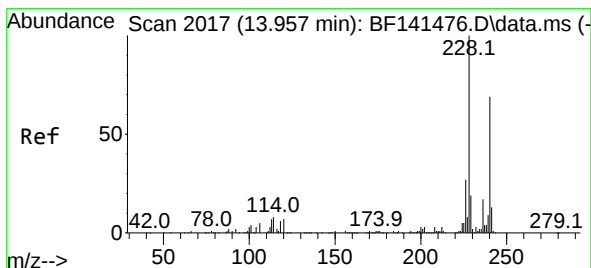
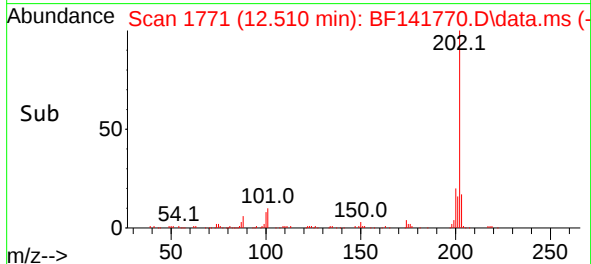
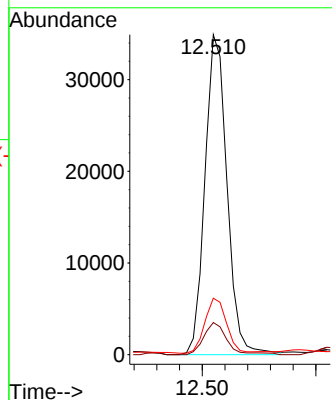
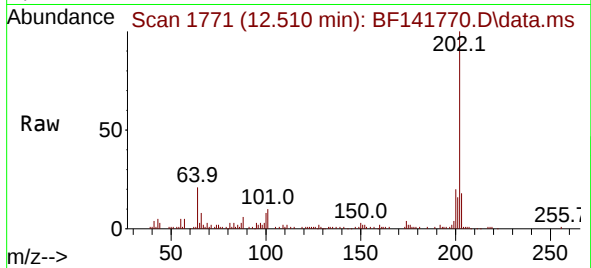




#75
Fluoranthene
Concen: 4.210 ng
RT: 12.510 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

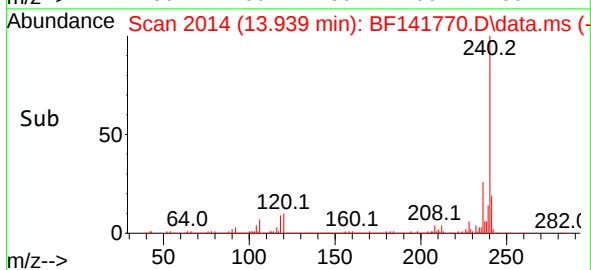
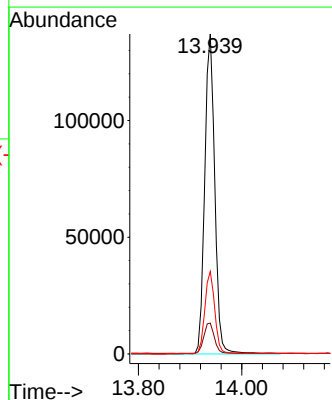
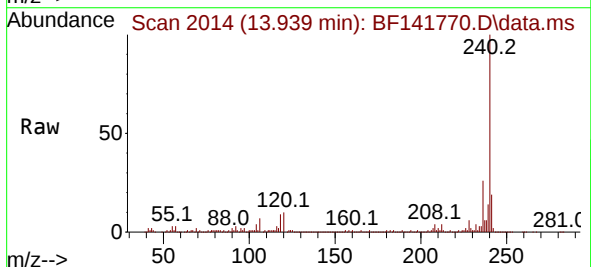
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

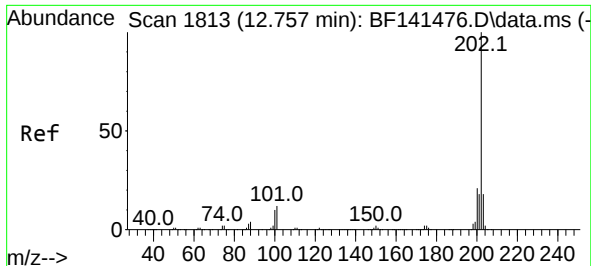
Tgt Ion:202 Resp: 47095
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:240 Resp: 185352
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.8 19.8 29.8

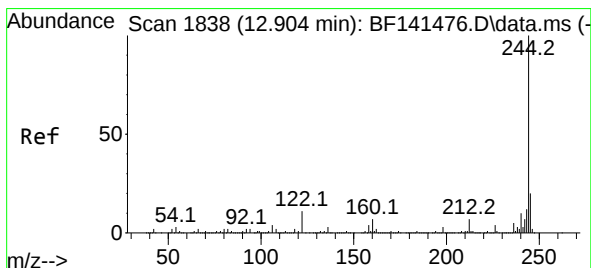
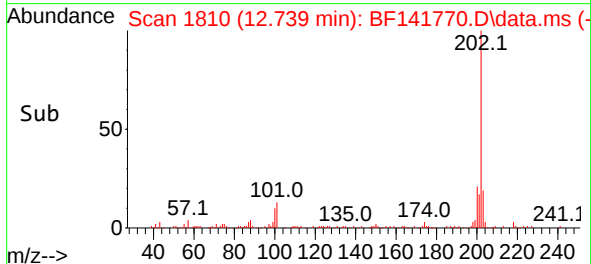
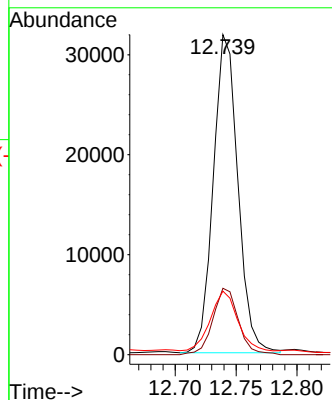
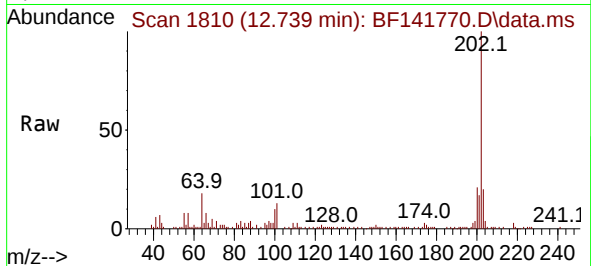




#78
Pyrene
Concen: 2.834 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

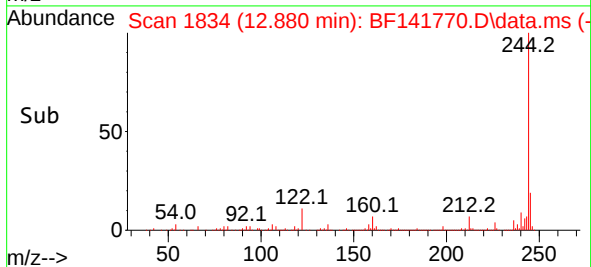
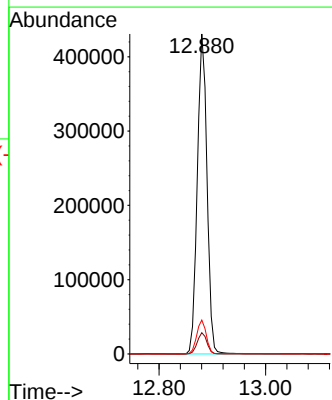
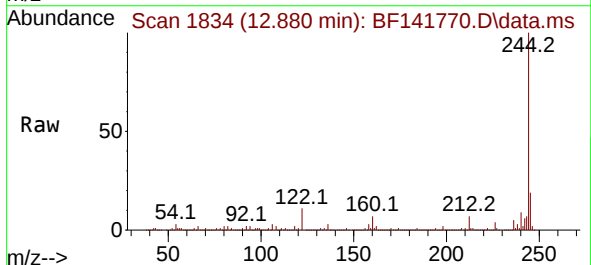
Instrument :
BNA_F
ClientSampleId :
TP-1-WC

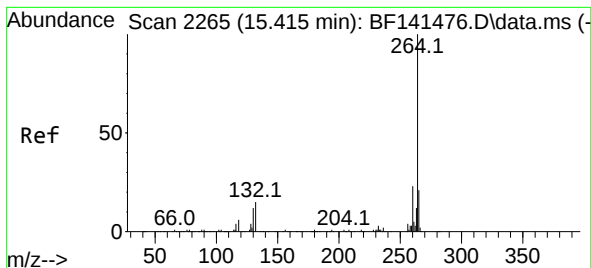
Tgt Ion:202 Resp: 44714
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 19.9 14.3 21.5



#79
Terphenyl-d14
Concen: 49.782 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141770.D
Acq: 25 Feb 2025 18:04

Tgt Ion:244 Resp: 546575
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 10.6 8.4 12.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2189

Delta R.T. -0.029 min

Lab File: BF141770.D

Acq: 25 Feb 2025 18:04

Instrument :

BNA_F

ClientSampleId :

TP-1-WC

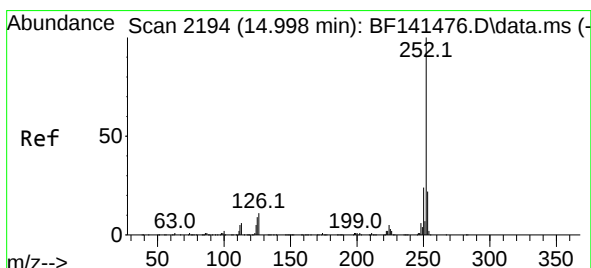
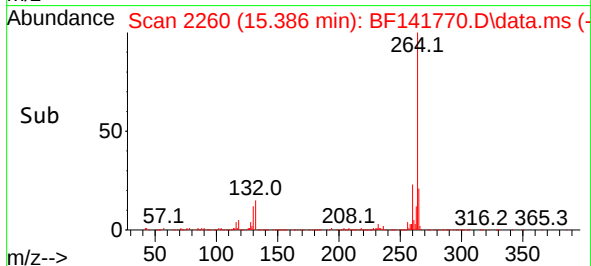
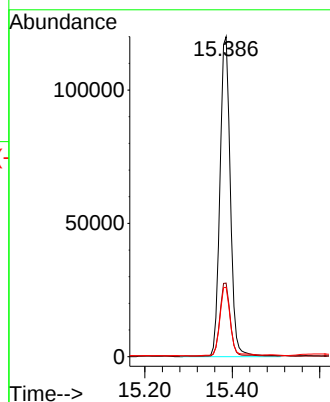
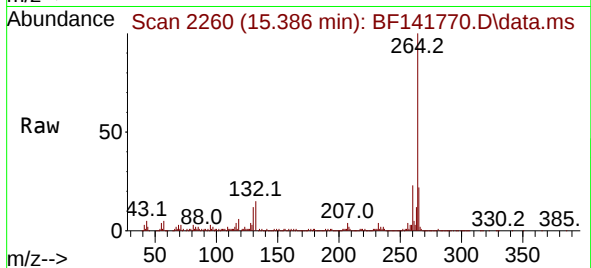
Tgt Ion:264 Resp: 197499

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.7 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.495 ng

RT: 14.968 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141770.D

Acq: 25 Feb 2025 18:04

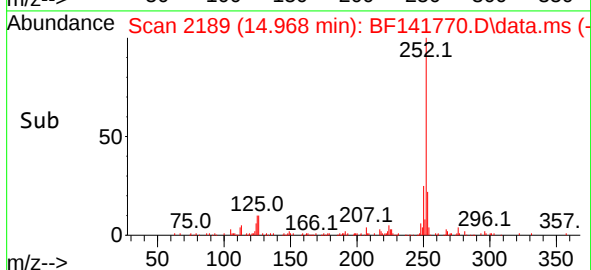
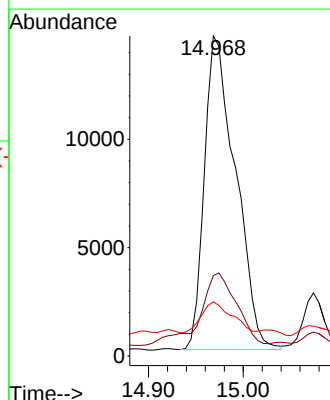
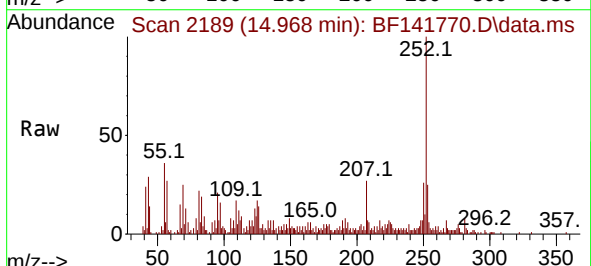
Tgt Ion:252 Resp: 33081

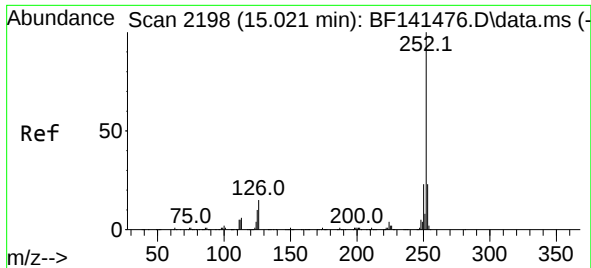
Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

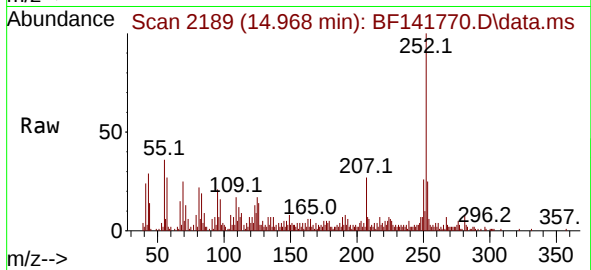
125 16.9 7.0 10.6#





#89
 Benzo(k)fluoranthene
 Concen: 2.921 ng
 RT: 14.968 min Scan# 2198
 Delta R.T. -0.065 min
 Lab File: BF141770.D
 Acq: 25 Feb 2025 18:04

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-WC



Tgt Ion:252 Resp: 33081
 Ion Ratio Lower Upper
 252 100
 253 25.1 18.0 27.0
 125 16.9 7.4 11.0#

