

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141766.D
 Acq On : 25 Feb 2025 16:05
 Operator : RC/JU
 Sample : Q1415-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-172-SB02

Quant Time: Feb 25 16:27:07 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)

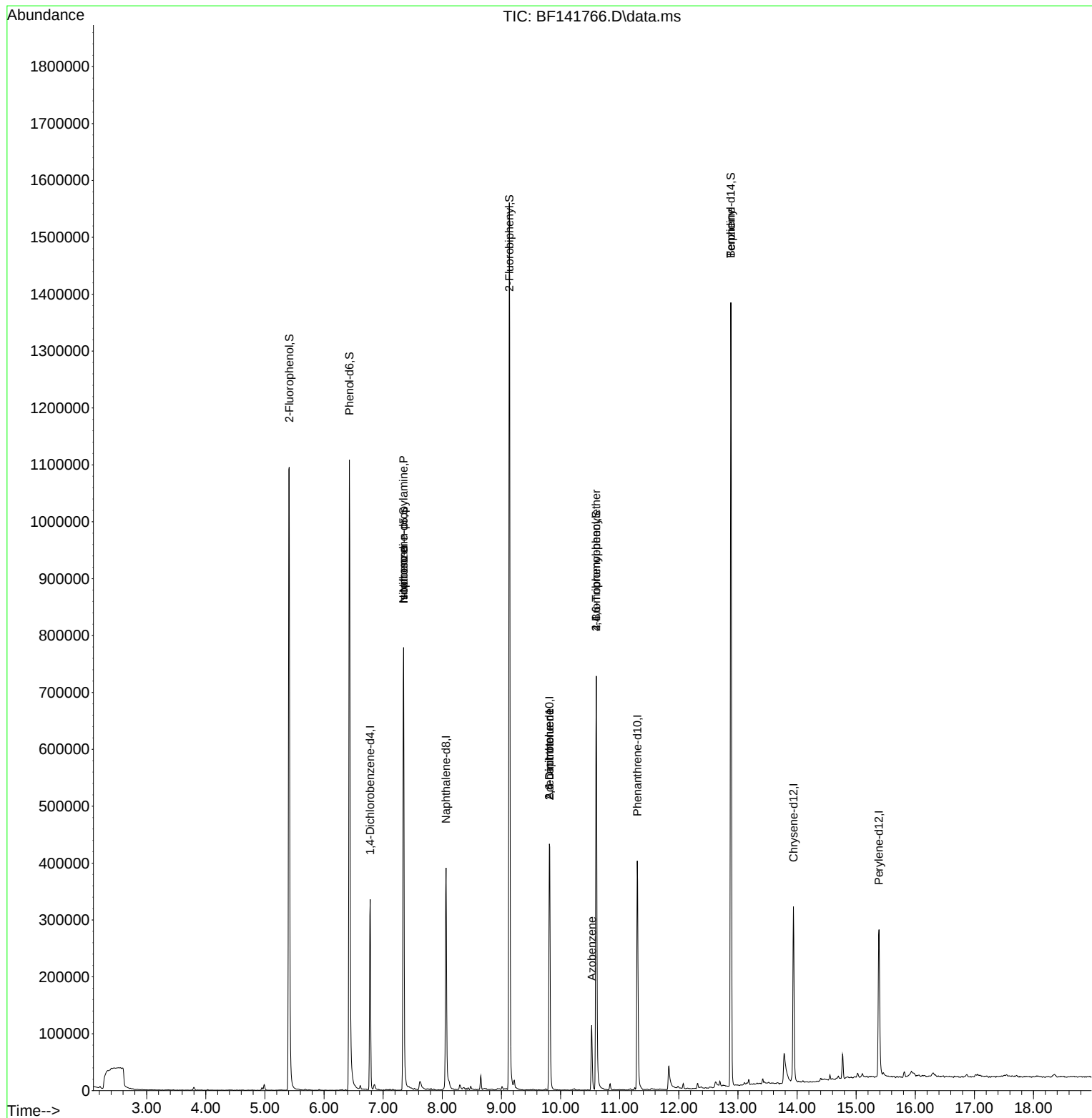
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	71117	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	279572	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	151408	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	244202	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	165983	20.000	ng	-0.02
86) Perylene-d12	15.386	264	176431	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	462654	101.990	ng	0.00
7) Phenol-d6	6.428	99	566004	98.719	ng	-0.01
23) Nitrobenzene-d5	7.345	82	367579	68.577	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	130576	85.851	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	717455	73.004	ng	-0.02
79) Terphenyl-d14	12.880	244	686743	69.847	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	47899	13.967	ng	# 72
25) Isophorone	7.345	82	360910	42.229	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	19472	8.666	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	19472	6.510	ng	# 19
63) Azobenzene	10.528	77	30910	3.075	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	8843	3.240	ng	# 1
77) Benzidine	12.880	184	8699	2.376	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
Data File : BF141766.D
Acq On : 25 Feb 2025 16:05
Operator : RC/JU
Sample : Q1415-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-172-SB02

Quant Time: Feb 25 16:27:07 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

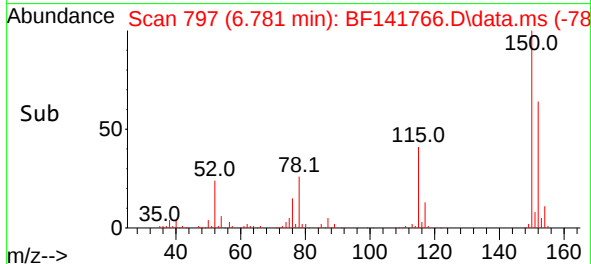
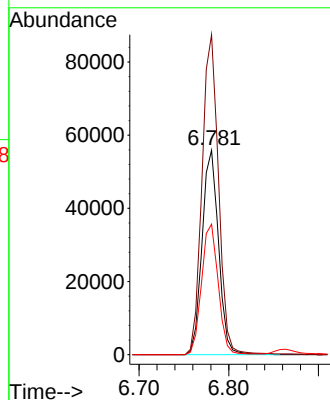
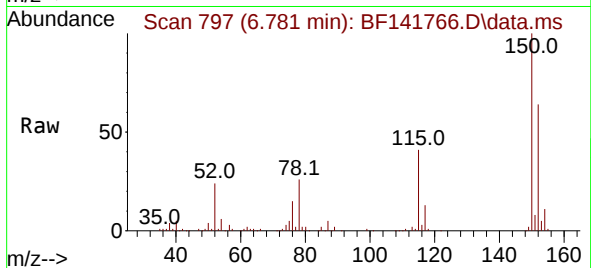




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141766.D
 Acq: 25 Feb 2025 16:05

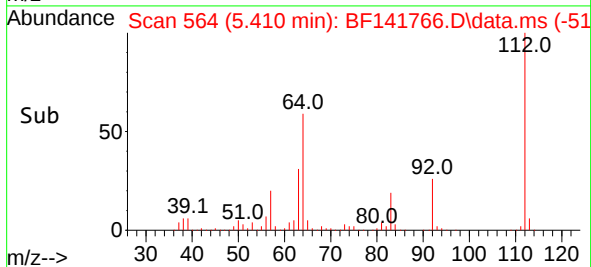
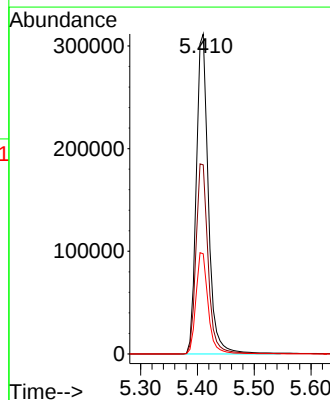
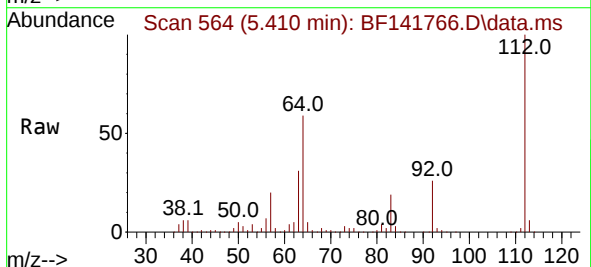
Instrument :
 BNA_F
 ClientSampleId :
 B-172-SB02

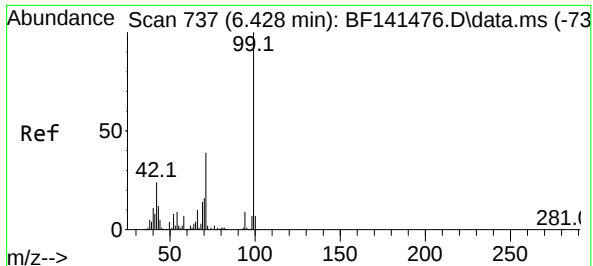
Tgt Ion:152 Resp: 71117
 Ion Ratio Lower Upper
 152 100
 150 156.5 125.0 187.4
 115 63.9 53.6 80.4



#5
 2-Fluorophenol
 Concen: 101.990 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141766.D
 Acq: 25 Feb 2025 16:05

Tgt Ion:112 Resp: 462654
 Ion Ratio Lower Upper
 112 100
 64 59.1 51.1 76.7
 63 31.3 28.4 42.6

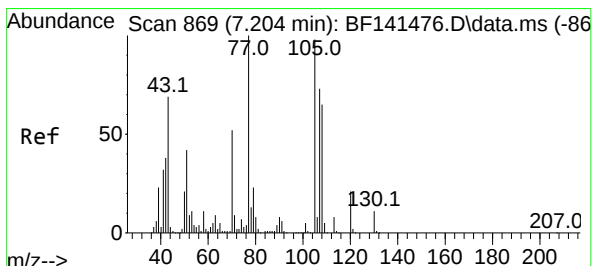
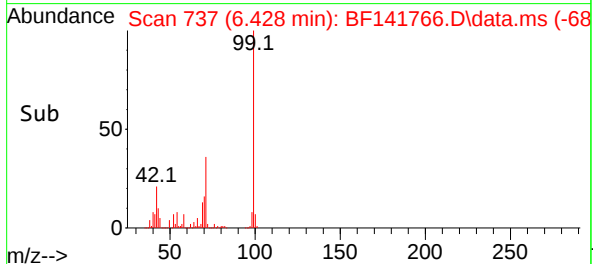
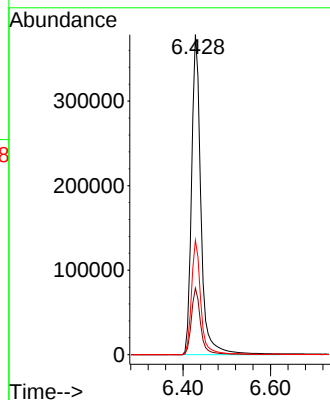
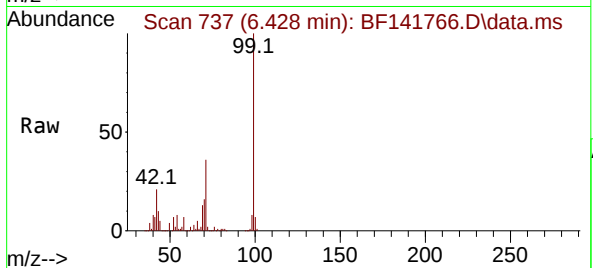




#7
Phenol-d6
Concen: 98.719 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

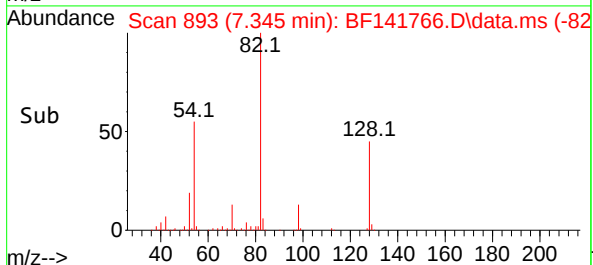
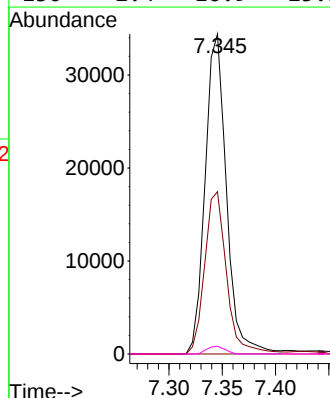
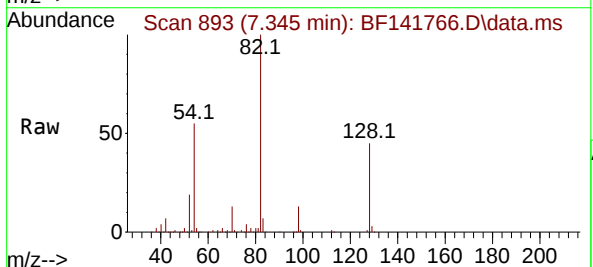
Instrument :
BNA_F
ClientSampleId :
B-172-SB02

Tgt Ion: 99 Resp: 566004
Ion Ratio Lower Upper
99 100
42 20.8 19.1 28.7
71 35.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.967 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

Tgt Ion: 70 Resp: 47899
Ion Ratio Lower Upper
70 100
42 50.7 57.4 86.2#
101 0.0 8.0 12.0#
130 2.4 16.9 25.3#

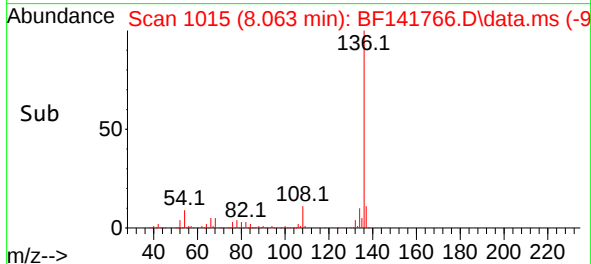
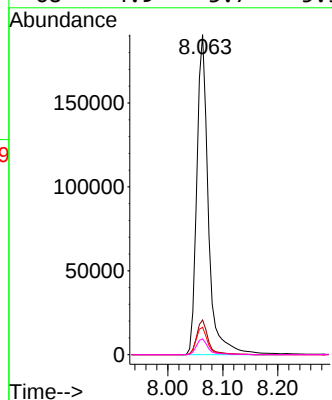
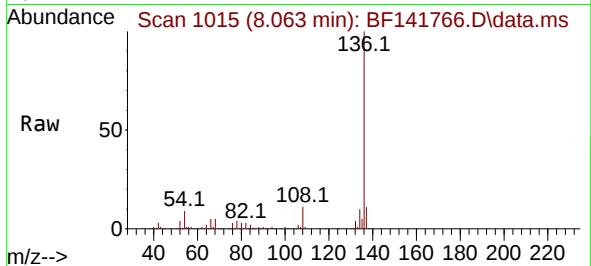




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

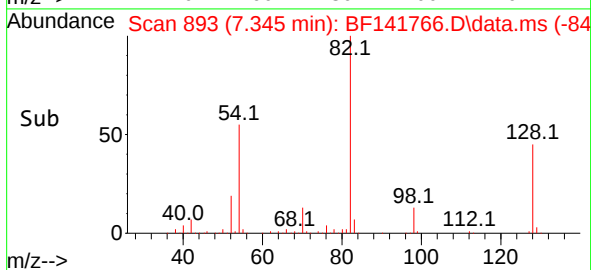
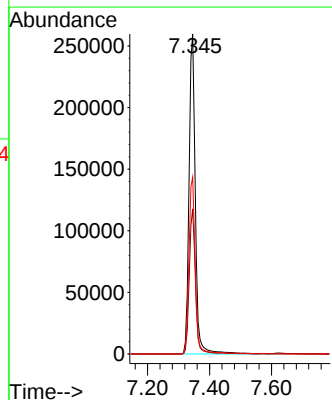
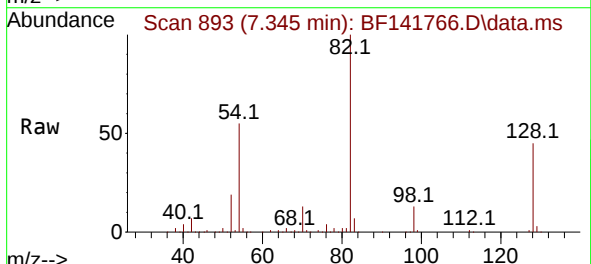
Instrument :
BNA_F
ClientSampleId :
B-172-SB02

Tgt	Ion:136	Resp:	279572
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	7.2	10.8
68	4.9	3.7	5.5



#23
Nitrobenzene-d5
Concen: 68.577 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

Tgt Ion: 82	Resp: 367579
Ion Ratio	Lower Upper
82 100	
128 45.3	34.8 52.2
54 55.2	48.2 72.4

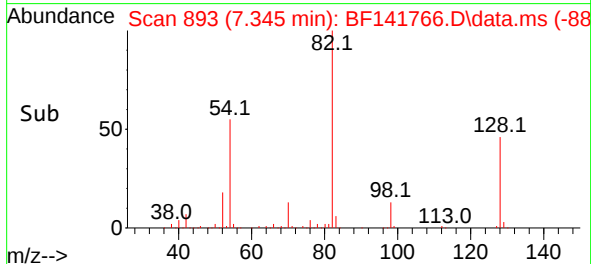
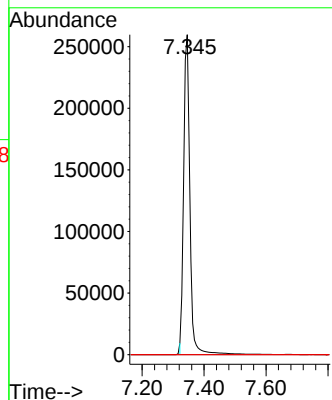
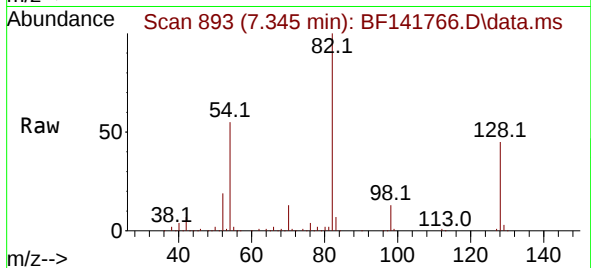




#25
Isophorone
Concen: 42.229 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

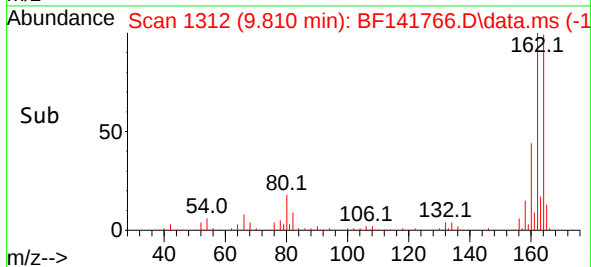
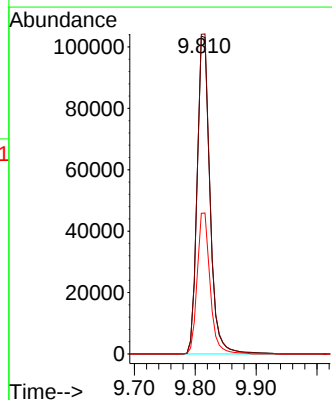
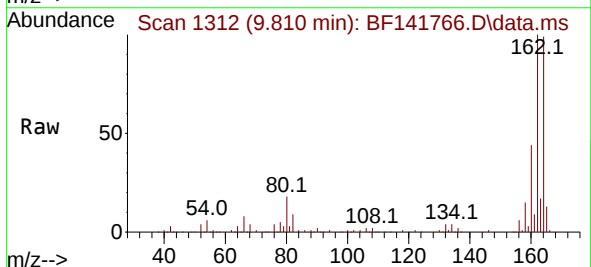
Instrument :
BNA_F
ClientSampleId :
B-172-SB02

Tgt Ion: 82 Resp: 360910
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: BF141766.D
Acq: 25 Feb 2025 16:05

Tgt Ion: 164 Resp: 151408
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 44.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 85.851 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

Instrument :

BNA_F

ClientSampleId :

B-172-SB02

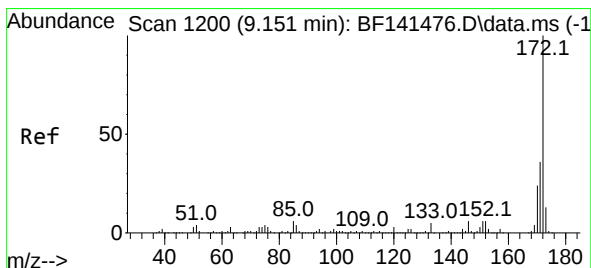
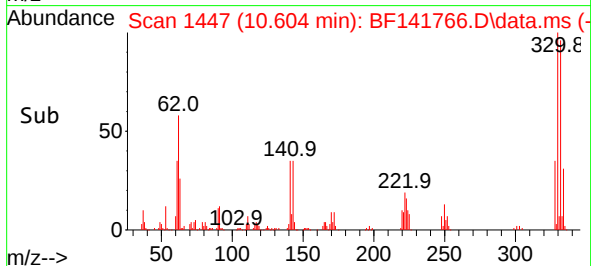
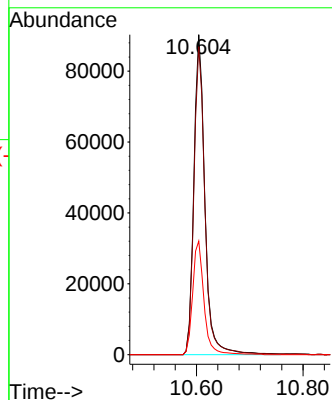
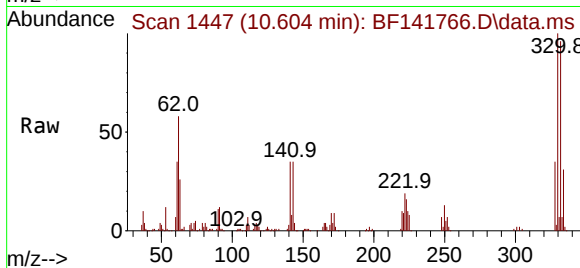
Tgt Ion:330 Resp: 130576

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 36.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 73.004 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

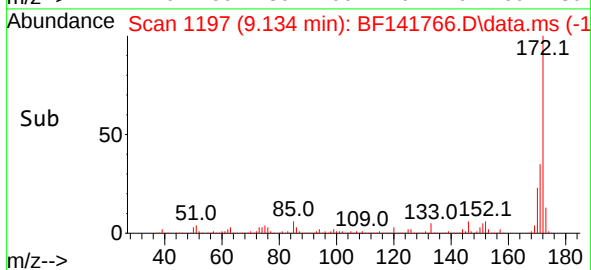
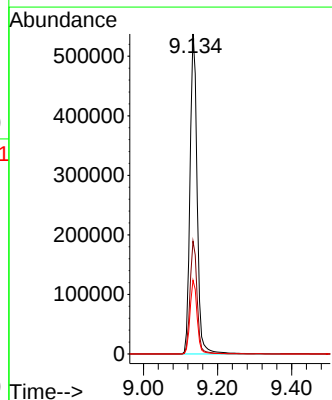
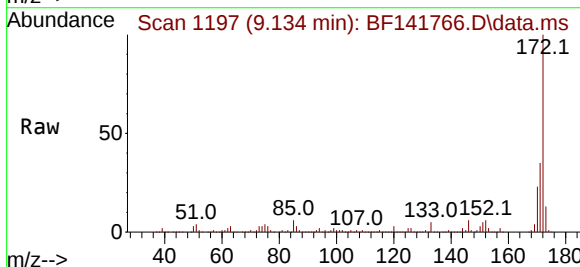
Tgt Ion:172 Resp: 717455

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.1 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.666 ng

RT: 9.810 min Scan# 1312

Delta R.T. 0.188 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

Instrument :

BNA_F

ClientSampleId :

B-172-SB02

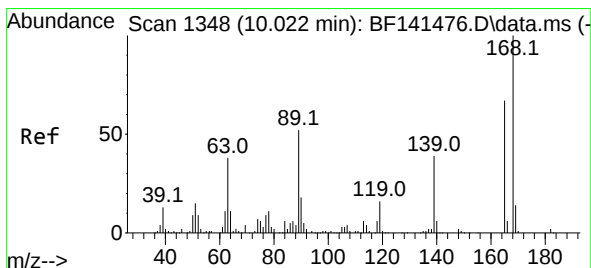
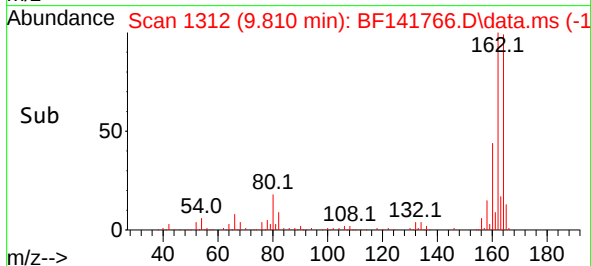
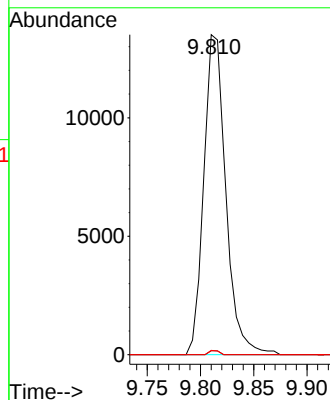
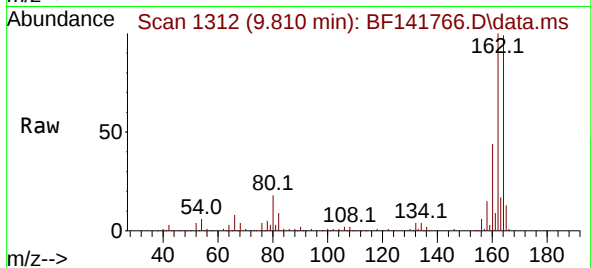
Tgt Ion:165 Resp: 19472

Ion Ratio Lower Upper

165 100

63 1.2 49.4 74.0#

89 1.4 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.510 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.217 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

Tgt Ion:165 Resp: 19472

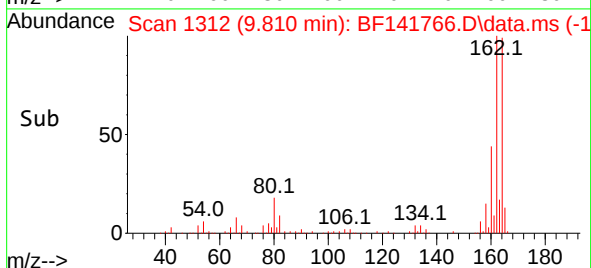
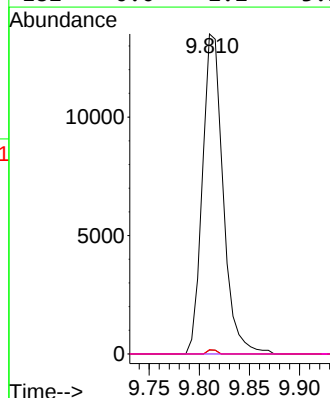
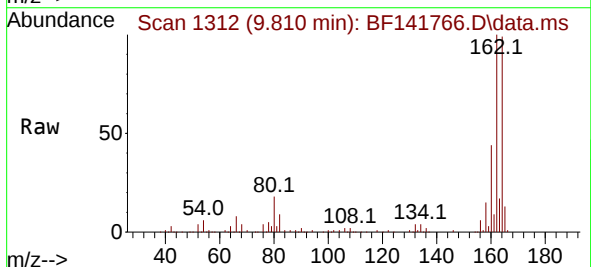
Ion Ratio Lower Upper

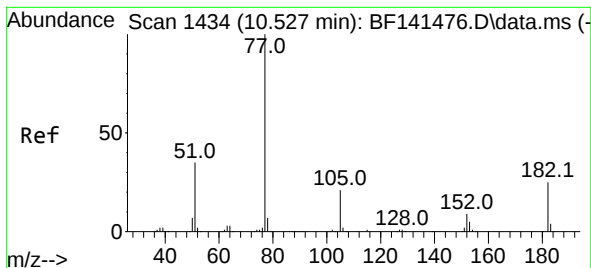
165 100

63 1.2 46.4 69.6#

89 1.4 61.8 92.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.075 ng

RT: 10.528 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

Instrument :

BNA_F

ClientSampleId :

B-172-SB02

Tgt Ion: 77 Resp: 30910

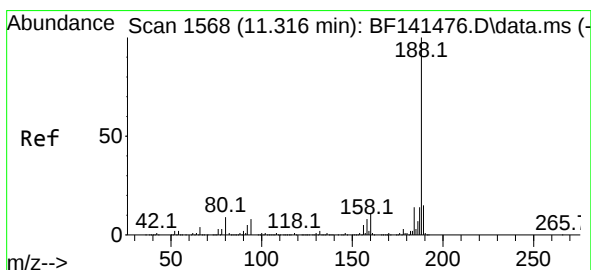
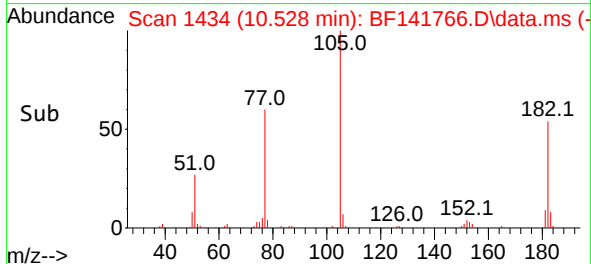
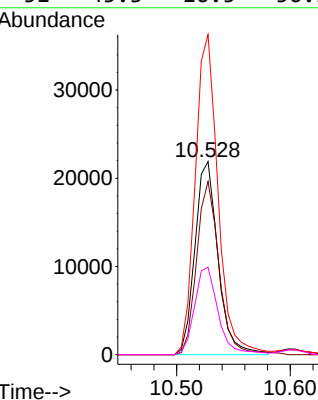
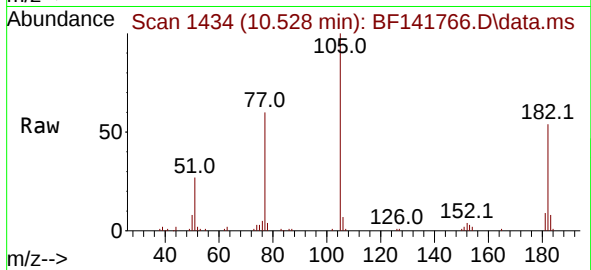
Ion Ratio Lower Upper

77 100

182 89.7 4.7 44.7#

105 165.7 0.4 40.4#

51 45.3 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1565

Delta R.T. -0.017 min

Lab File: BF141766.D

Acq: 25 Feb 2025 16:05

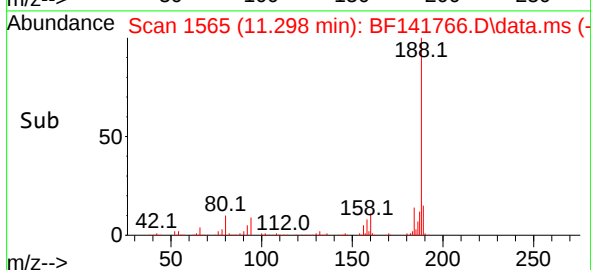
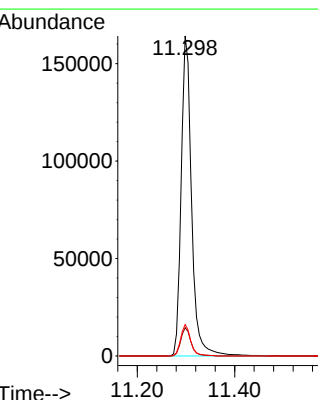
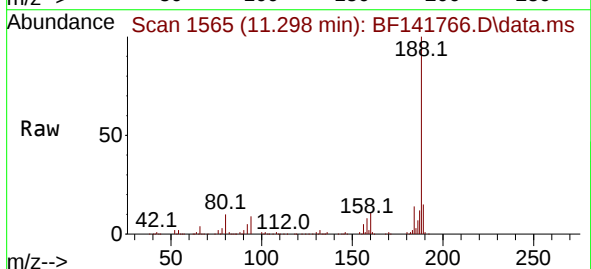
Tgt Ion: 188 Resp: 244202

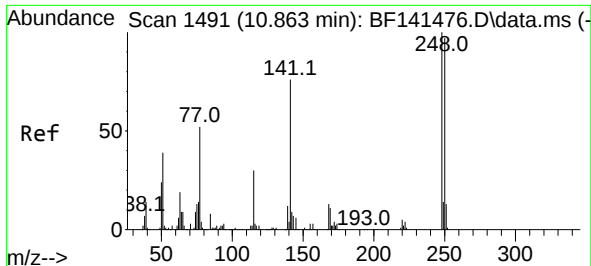
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.8 7.3 10.9

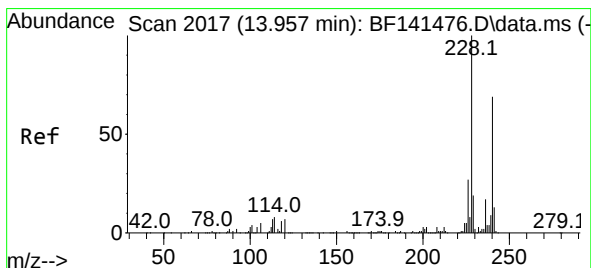
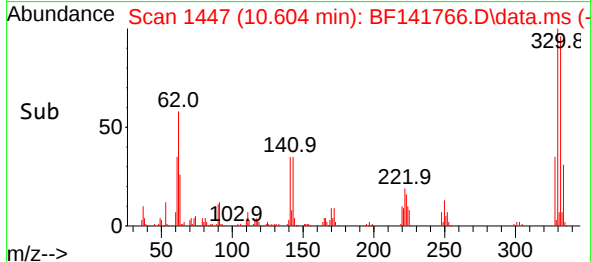
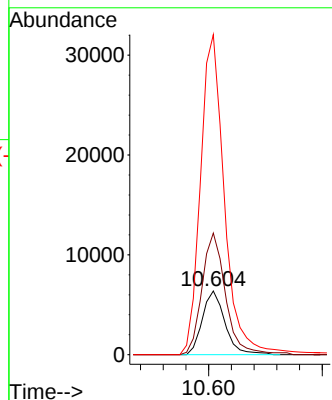
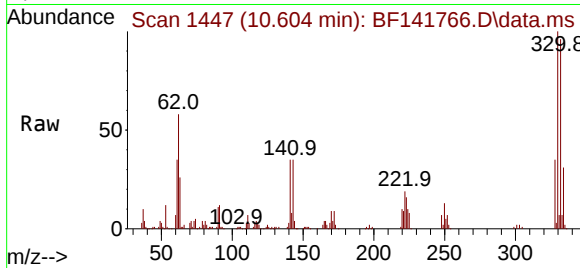




#67
4-Bromophenyl-phenylether
Concen: 3.240 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

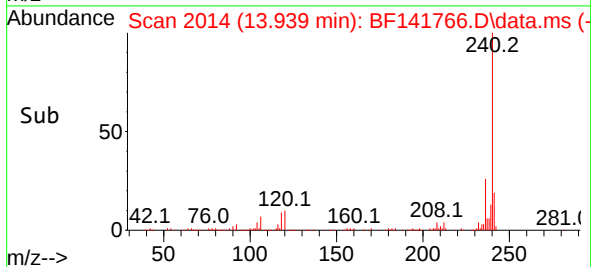
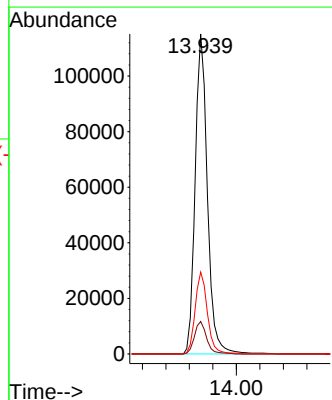
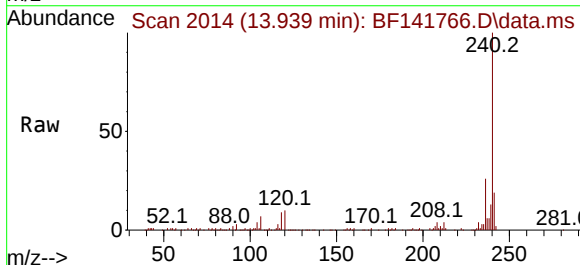
Instrument :
BNA_F
ClientSampleId :
B-172-SB02

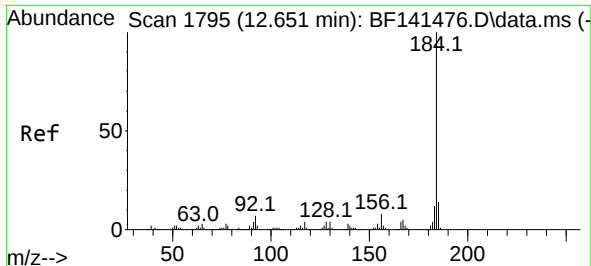
Tgt Ion:248 Resp: 8843
Ion Ratio Lower Upper
248 100
250 191.0 77.8 116.6#
141 502.5 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

Tgt Ion:240 Resp: 165983
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 25.6 19.8 29.8

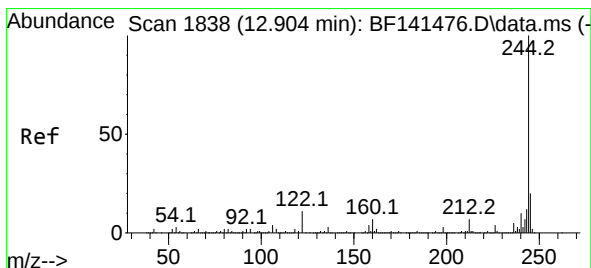
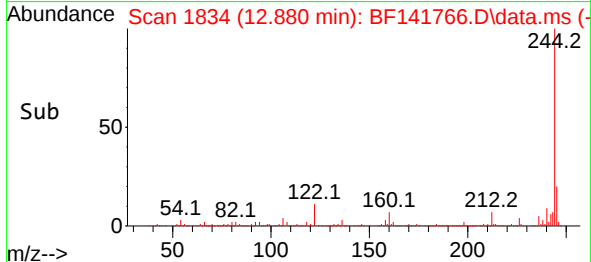
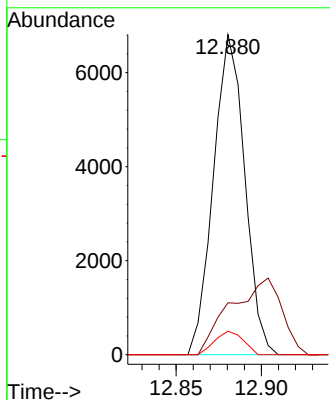
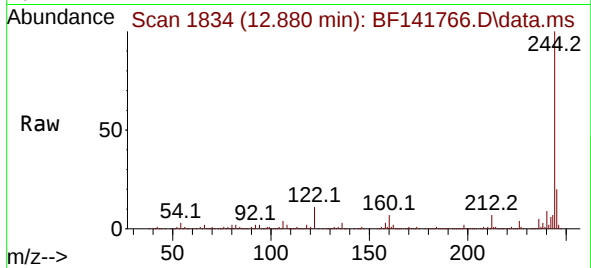




#77
Benzidine
Concen: 2.376 ng
RT: 12.880 min Scan# 1834
Delta R.T. 0.224 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

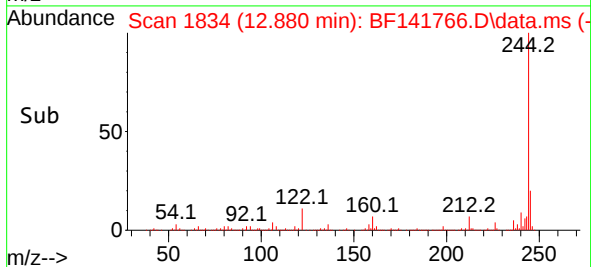
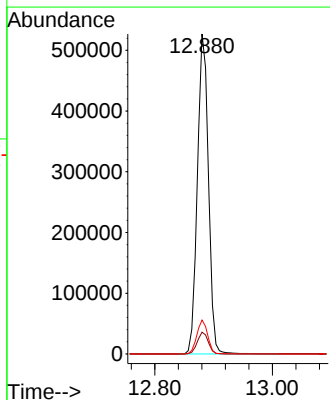
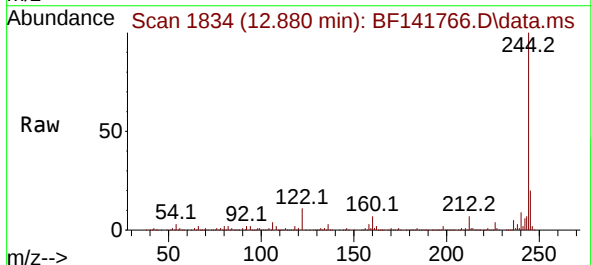
Instrument :
BNA_F
ClientSampleId :
B-172-SB02

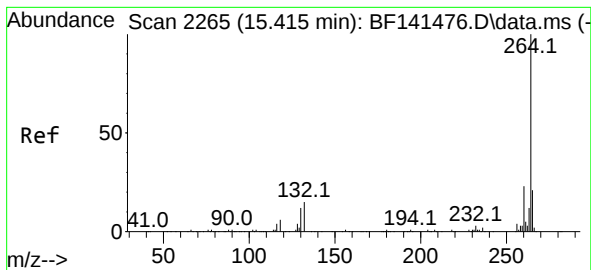
Tgt Ion:184 Resp: 8699
Ion Ratio Lower Upper
184 100
185 16.2 11.3 16.9
183 7.3 9.3 13.9#



#79
Terphenyl-d14
Concen: 69.847 ng
RT: 12.880 min Scan# 1834
Delta R.T. -0.023 min
Lab File: BF141766.D
Acq: 25 Feb 2025 16:05

Tgt Ion:244 Resp: 686743
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.6 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF141766.D
 Acq: 25 Feb 2025 16:05

Instrument :
 BNA_F
 ClientSampleId :
 B-172-SB02

Tgt Ion:264 Resp: 176431
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.6 28.0
 265 21.0 17.0 25.4

