

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111325\
 Data File : BF144247.D
 Acq On : 13 Nov 2025 16:54
 Operator : RC/JU
 Sample : Q3574-01 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 304641-01 Liquid

Quant Time: Nov 13 17:17:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

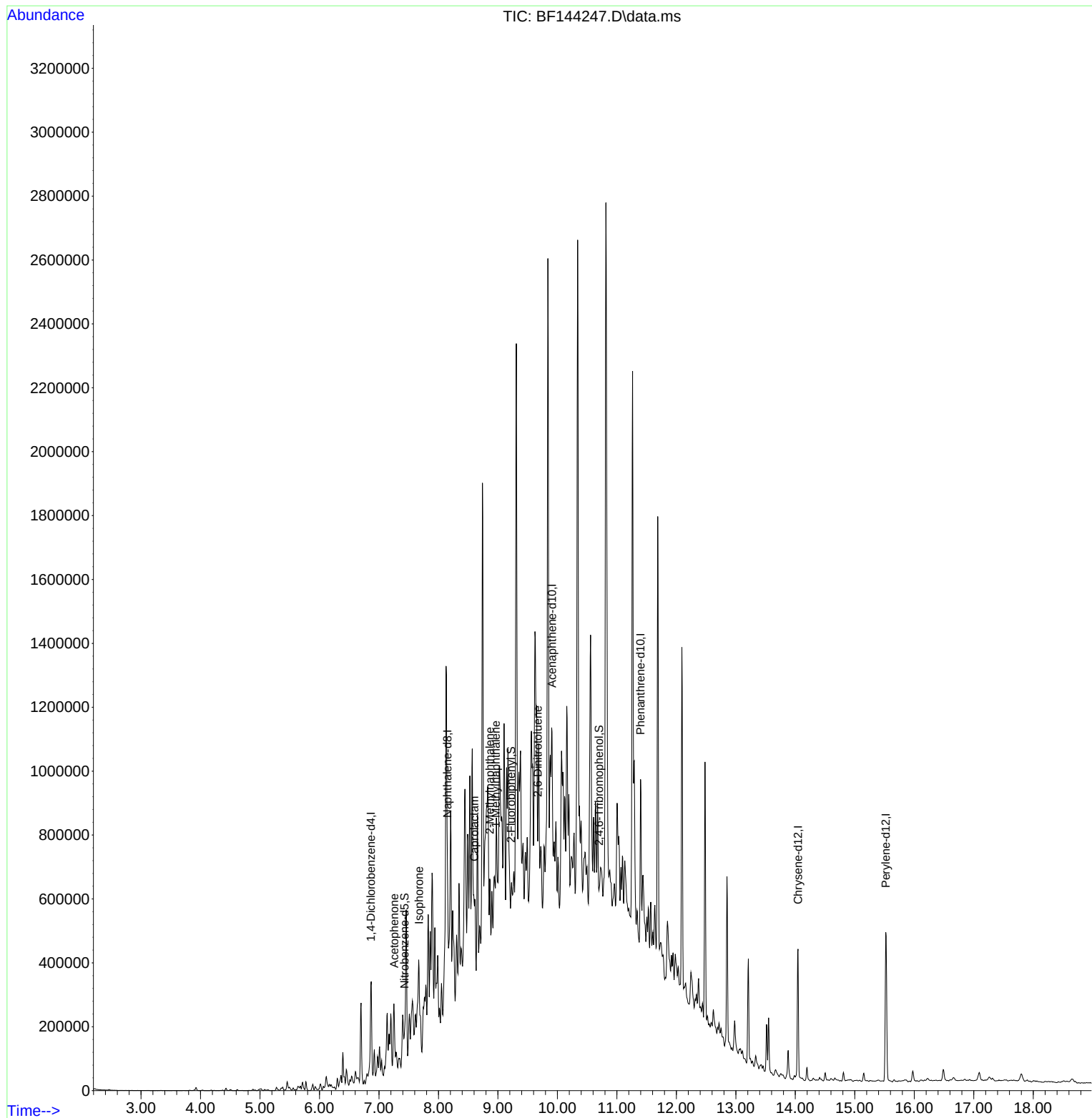
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55637	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	193837	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	96234	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	265408	20.000	ng	0.00
76) Chrysene-d12	14.045	240	217534	20.000	ng	0.00
86) Perylene-d12	15.521	264	307917	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	6224	1.751	ng	0.00
7) Phenol-d6	6.510	99	6823	1.694	ng	0.01
23) Nitrobenzene-d5	7.428	82	18186	5.419	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	6446	5.338	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	31553	4.843	ng	0.00
79) Terphenyl-d14	12.980	244	24626	1.798	ng	-0.01
Target Compounds						
						Qvalue
22) Acetophenone	7.257	105	12012	2.889	ng	# 7
25) Isophorone	7.675	82	16773	2.642	ng	# 1
35) Caprolactam	8.604	113	2870	3.362	ng	# 1
37) 2-Methylnaphthalene	8.863	142	24974	4.051	ng	94
38) 1-Methylnaphthalene	8.963	142	15313	2.574	ng	91
51) 2,6-Dinitrotoluene	9.669	165	3268	2.532	ng	# 54

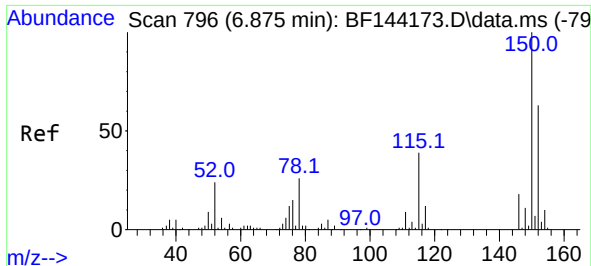
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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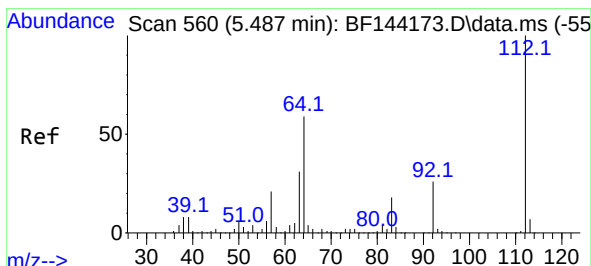
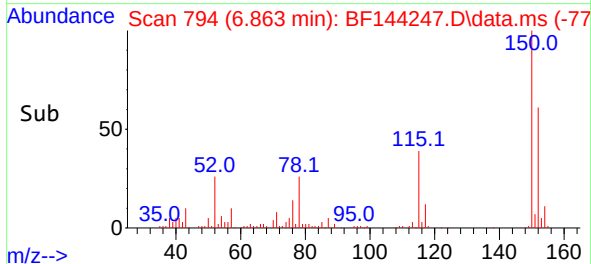
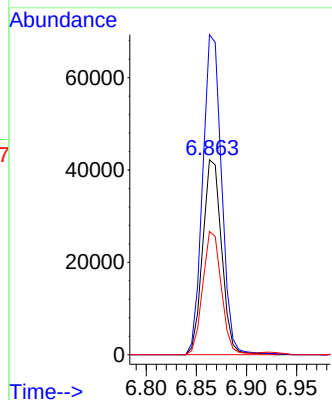
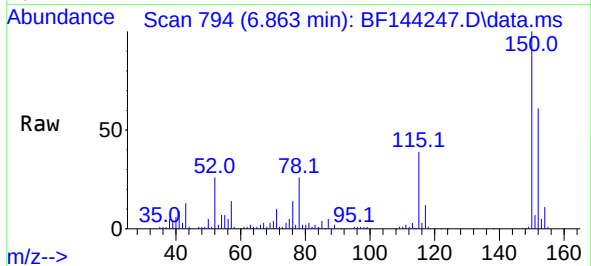




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 79
 Delta R.T. -0.012 min
 Lab File: BF144247.D
 Acq: 13 Nov 2025 16:54

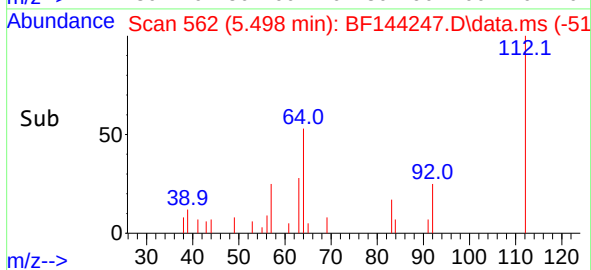
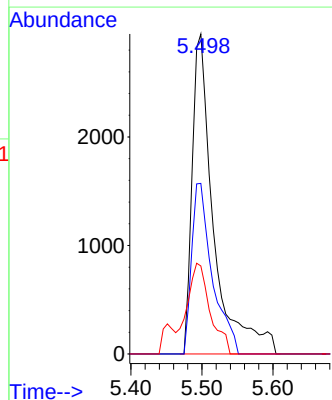
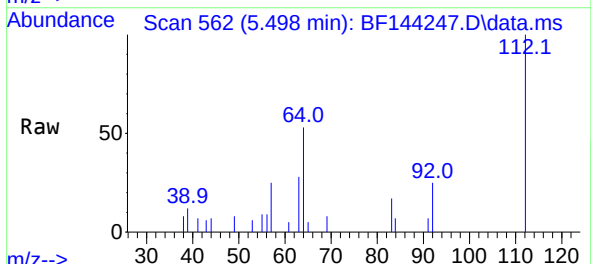
Instrument :
 BNA_F
 ClientSampleId :
 304641-01 Liquid

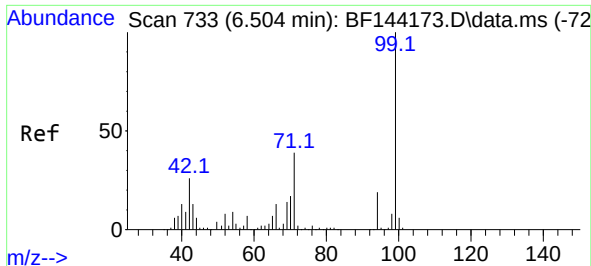
Tgt Ion:152 Resp: 55637
 Ion Ratio Lower Upper
 152 100
 150 164.2 127.4 191.0
 115 63.2 49.5 74.3



#5
 2-Fluorophenol
 Concen: 1.751 ng
 RT: 5.498 min Scan# 562
 Delta R.T. 0.006 min
 Lab File: BF144247.D
 Acq: 13 Nov 2025 16:54

Tgt Ion:112 Resp: 6224
 Ion Ratio Lower Upper
 112 100
 64 53.3 47.2 70.8
 63 27.5 24.4 36.6

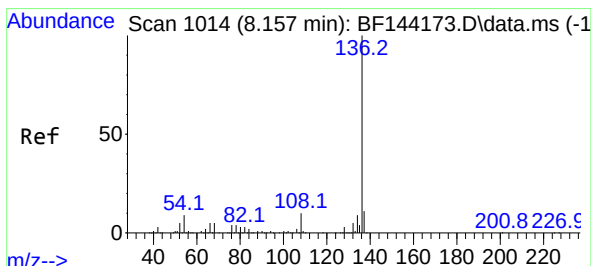
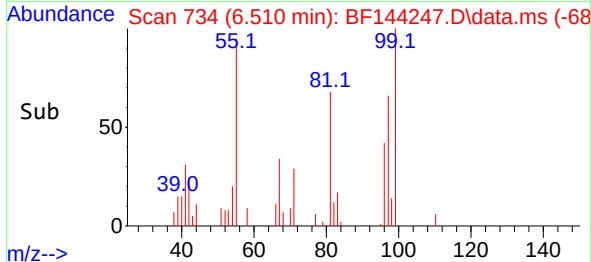
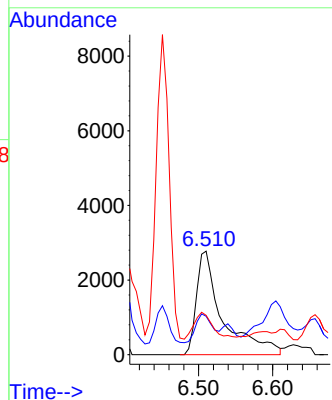
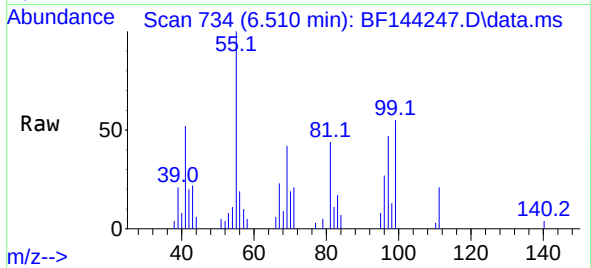




#7
Phenol-d6
Concen: 1.694 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

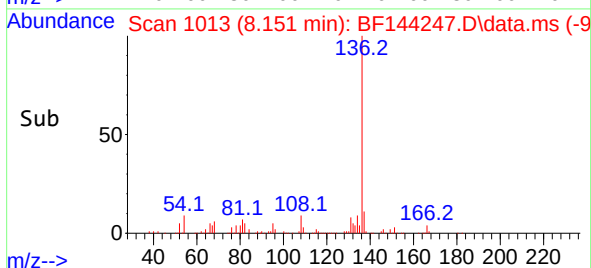
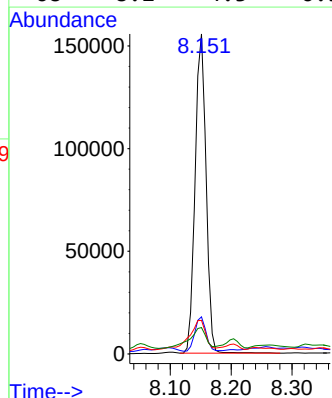
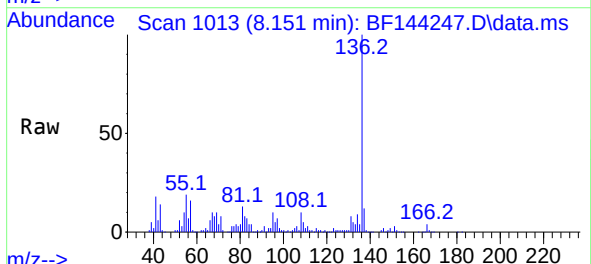
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

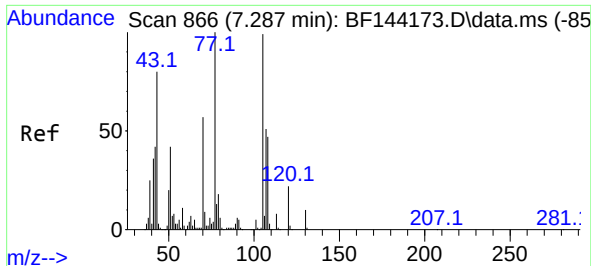
Tgt Ion: 99 Resp: 6823
Ion Ratio Lower Upper
99 100
42 37.1 20.9 31.3#
71 38.1 31.4 47.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion: 136 Resp: 193837
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 10.5 7.0 10.6
68 8.2 4.3 6.5#

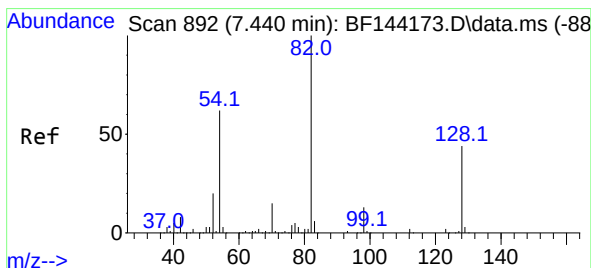
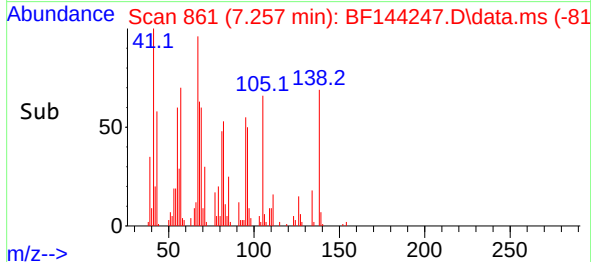
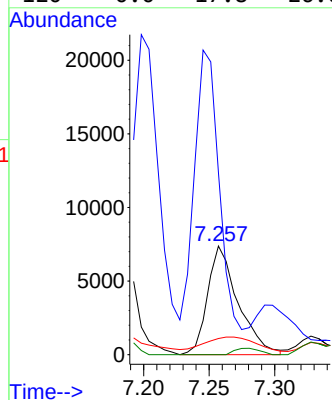
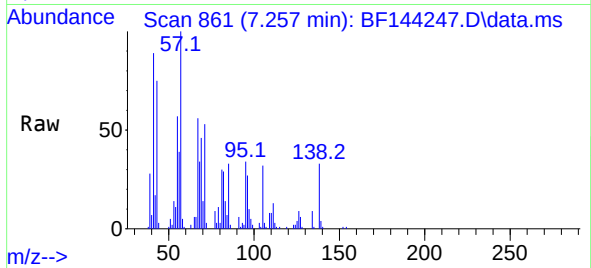




#22
Acetophenone
Concen: 2.889 ng
RT: 7.257 min Scan# 810
Delta R.T. -0.024 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

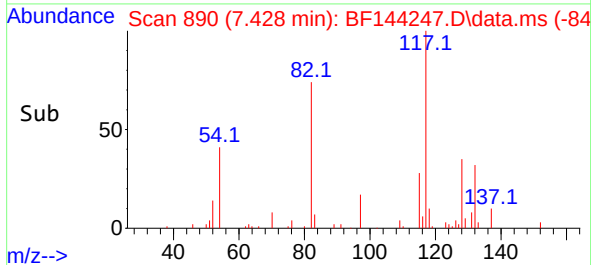
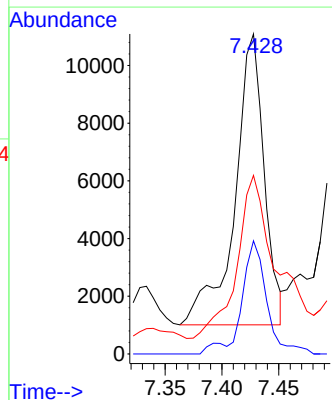
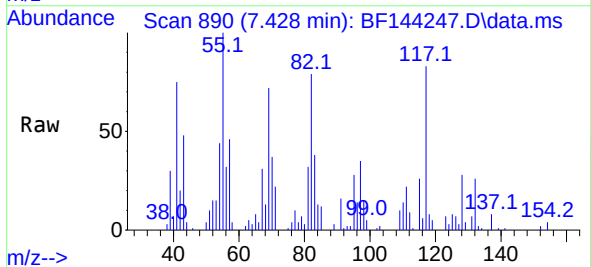
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

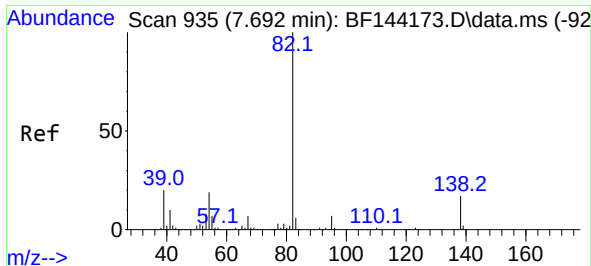
Tgt Ion:105 Resp: 12012
Ion Ratio Lower Upper
105 100
71 167.5 7.2 10.8#
51 14.8 34.0 51.0#
120 0.0 17.8 26.6#



#23
Nitrobenzene-d5
Concen: 5.419 ng
RT: 7.428 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion: 82 Resp: 18186
Ion Ratio Lower Upper
82 100
128 35.4 34.7 52.1
54 55.8 49.5 74.3

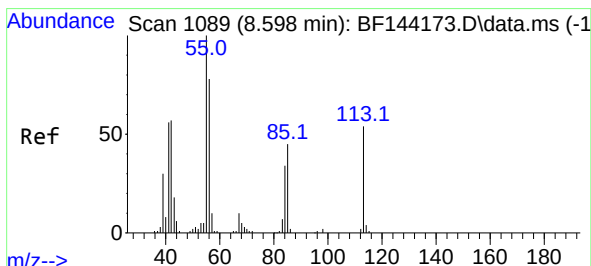
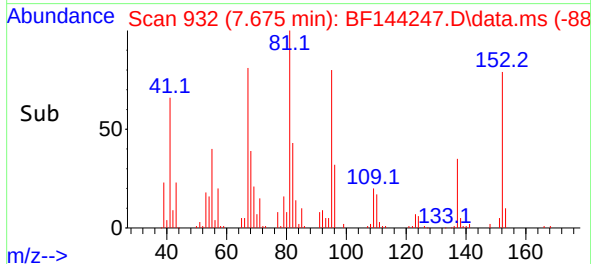
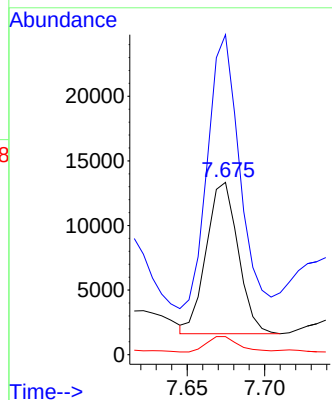
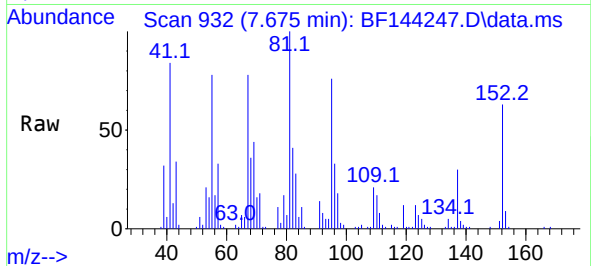




#25
Isophorone
Concen: 2.642 ng
RT: 7.675 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

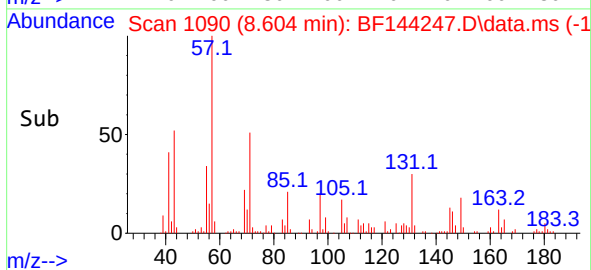
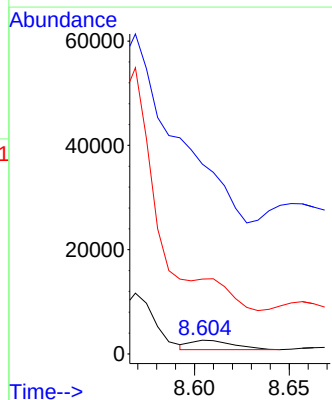
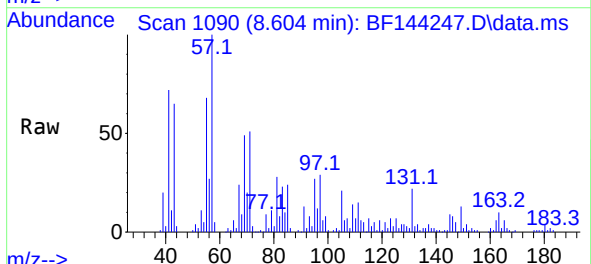
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

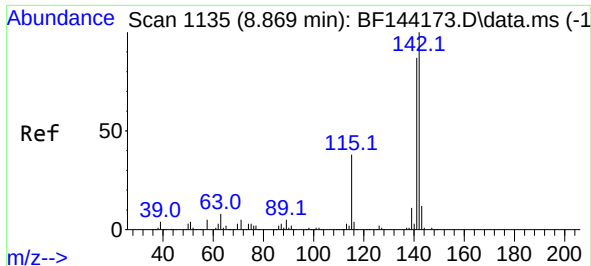
Tgt Ion: 82 Resp: 16773
Ion Ratio Lower Upper
82 100
95 185.6 5.5 8.3#
138 10.5 13.7 20.5#



#35
Caprolactam
Concen: 3.362 ng
RT: 8.604 min Scan# 1090
Delta R.T. -0.018 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion: 113 Resp: 2870
Ion Ratio Lower Upper
113 100
55 1377.3 166.8 206.8#
56 543.7 125.9 165.9#

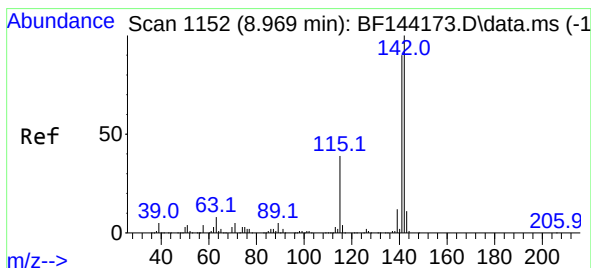
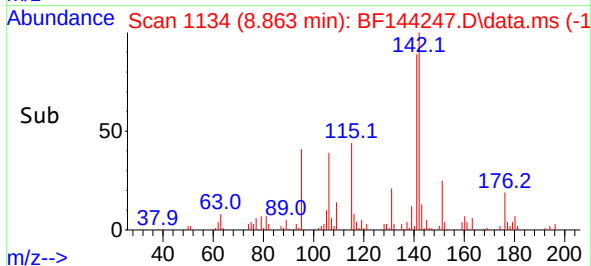
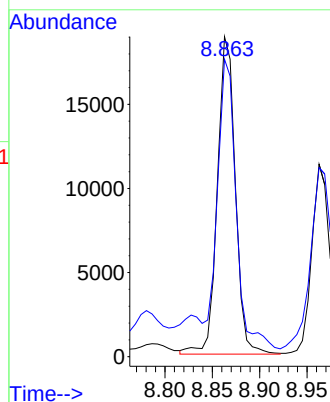
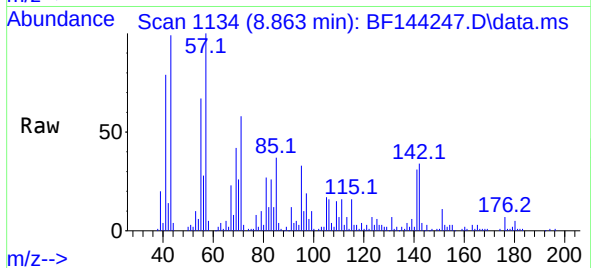




#37
2-Methylnaphthalene
Concen: 4.051 ng
RT: 8.863 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

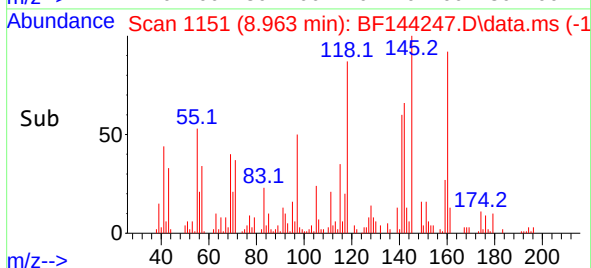
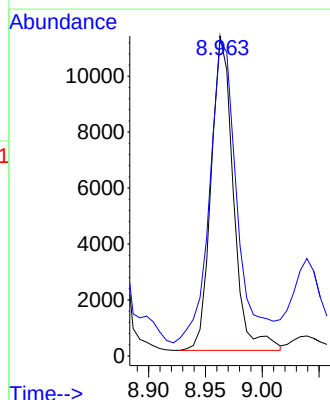
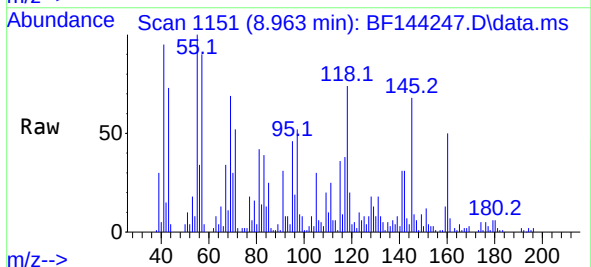
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

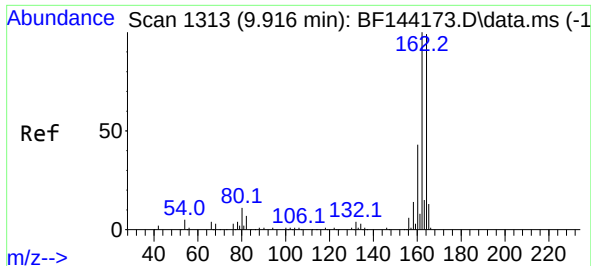
Tgt Ion:142 Resp: 24974
Ion Ratio Lower Upper
142 100
141 92.9 69.9 104.9



#38
1-Methylnaphthalene
Concen: 2.574 ng
RT: 8.963 min Scan# 1151
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion:142 Resp: 15313
Ion Ratio Lower Upper
142 100
141 98.2 72.1 108.1

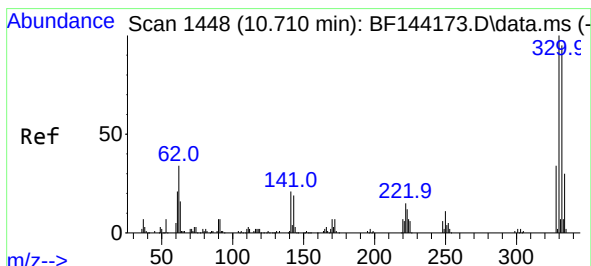
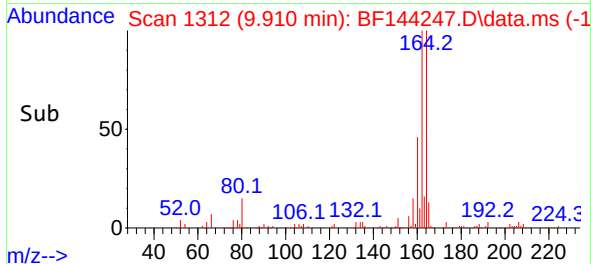
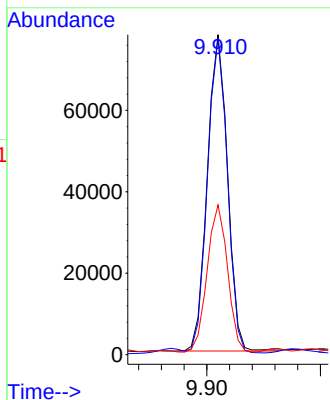
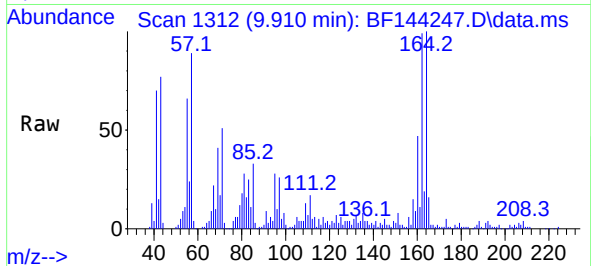




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

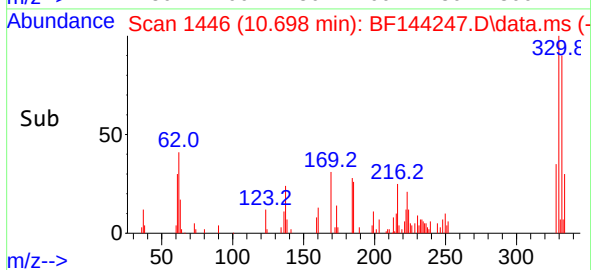
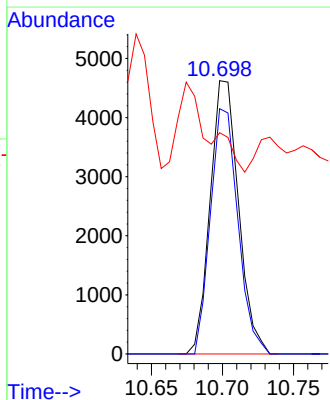
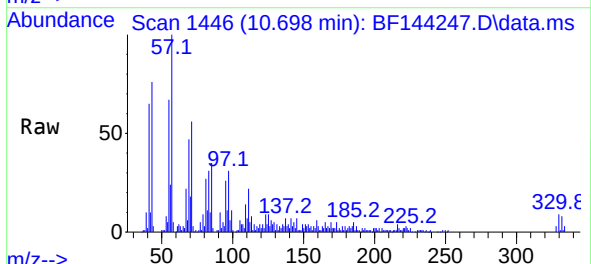
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

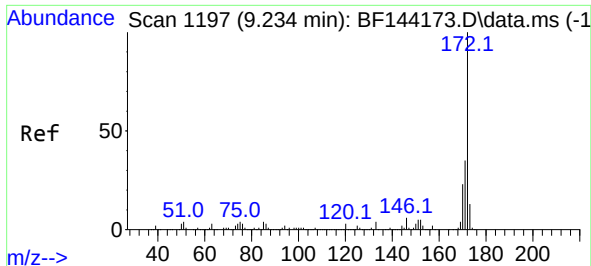
Tgt Ion:164 Resp: 96234
Ion Ratio Lower Upper
164 100
162 98.8 81.1 121.7
160 46.8 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 5.338 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion:330 Resp: 6446
Ion Ratio Lower Upper
330 100
332 86.8 76.7 115.1
141 0.0 17.8 26.8#





#45

2-Fluorobiphenyl

Concen: 4.843 ng

RT: 9.222 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF144247.D

Acq: 13 Nov 2025 16:54

Instrument :

BNA_F

ClientSampleId :

304641-01 Liquid

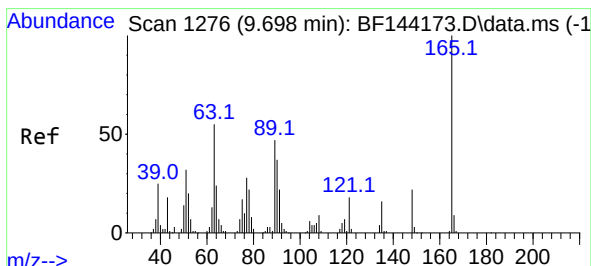
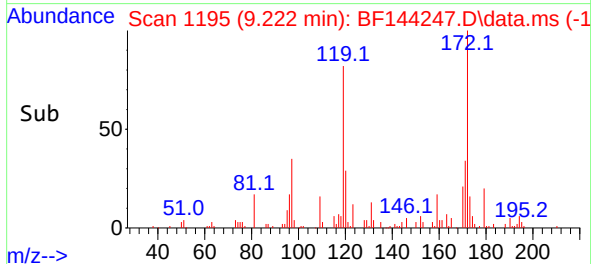
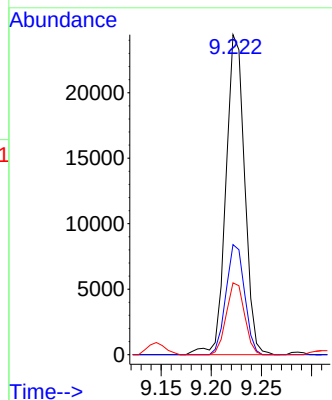
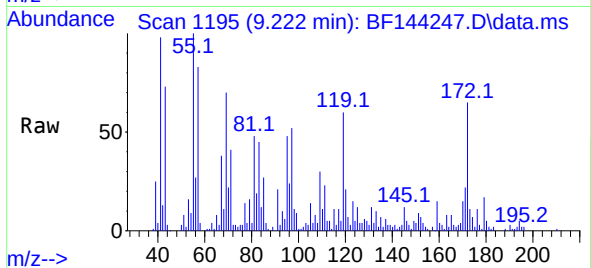
Tgt Ion:172 Resp: 31553

Ion Ratio Lower Upper

172 100

171 34.4 28.1 42.1

170 22.5 18.6 28.0



#51

2,6-Dinitrotoluene

Concen: 2.532 ng

RT: 9.669 min Scan# 1271

Delta R.T. -0.024 min

Lab File: BF144247.D

Acq: 13 Nov 2025 16:54

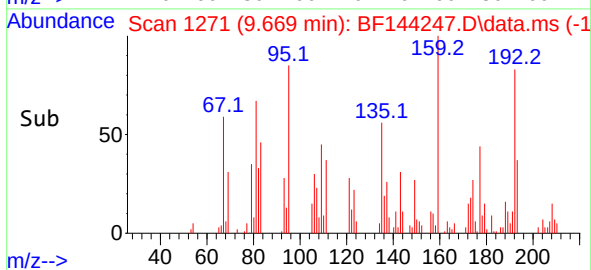
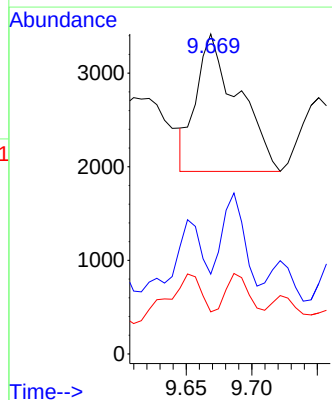
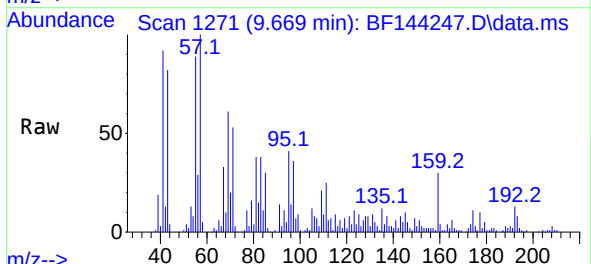
Tgt Ion:165 Resp: 3268

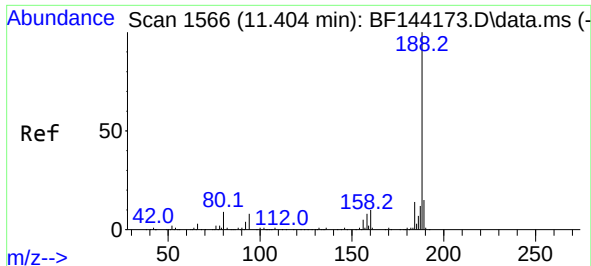
Ion Ratio Lower Upper

165 100

63 24.9 43.8 65.8#

89 13.2 37.5 56.3#

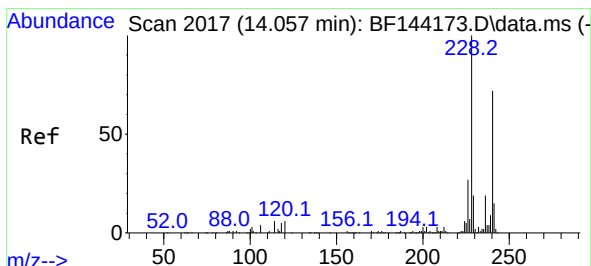
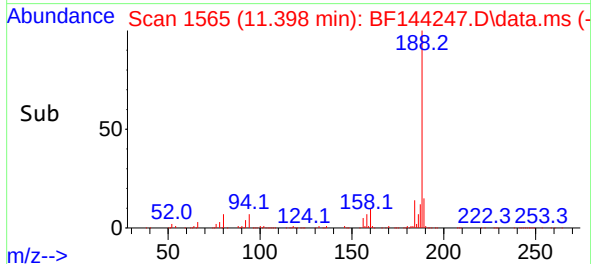
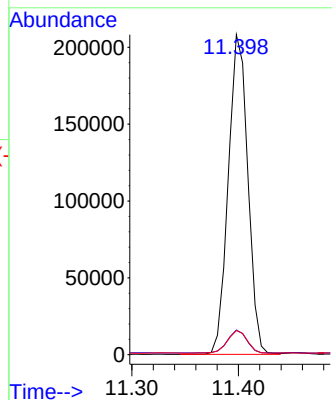
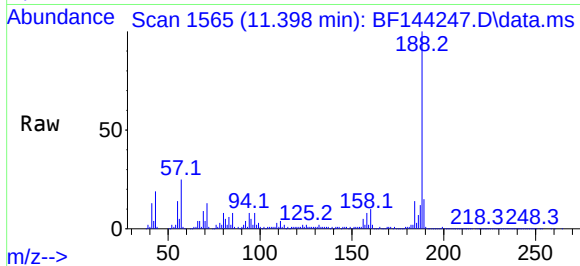




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

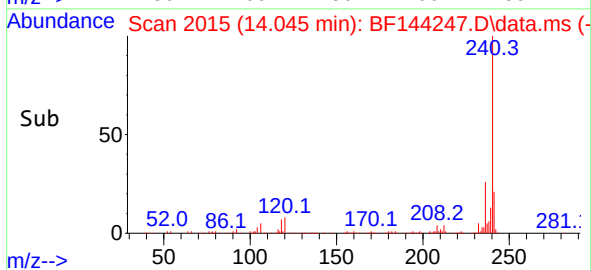
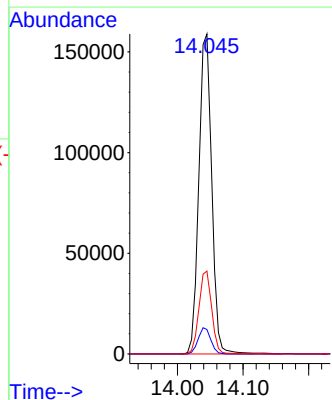
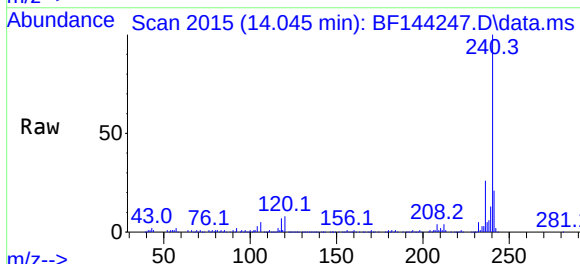
Instrument :
BNA_F
ClientSampleId :
304641-01 Liquid

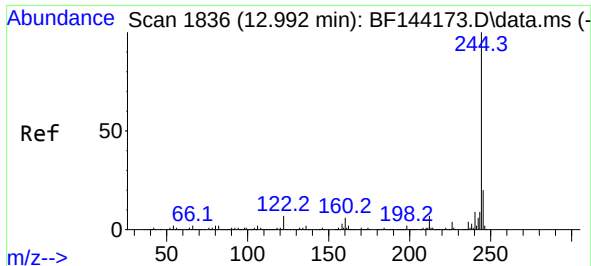
Tgt Ion:188 Resp: 265408
Ion Ratio Lower Upper
188 100
94 7.7 6.2 9.2
80 7.5 6.9 10.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144247.D
Acq: 13 Nov 2025 16:54

Tgt Ion:240 Resp: 217534
Ion Ratio Lower Upper
240 100
120 7.6 6.6 10.0
236 25.9 21.4 32.2

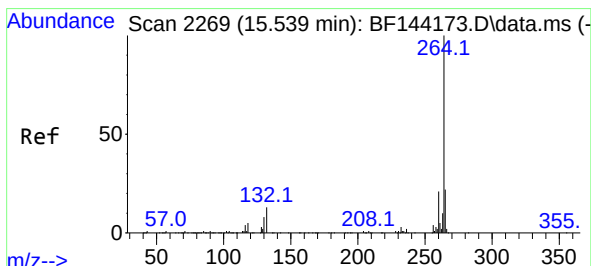
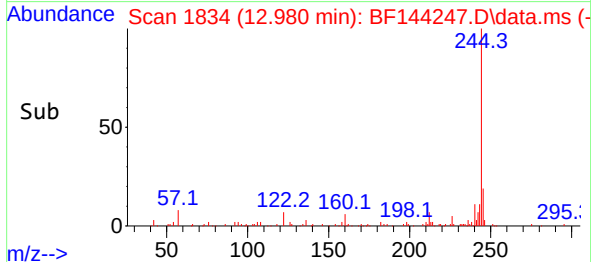
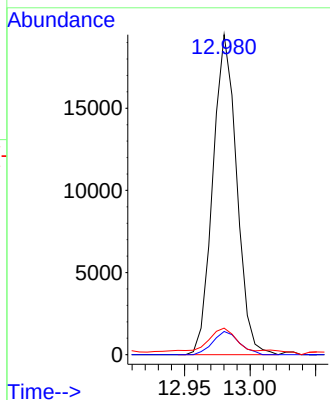
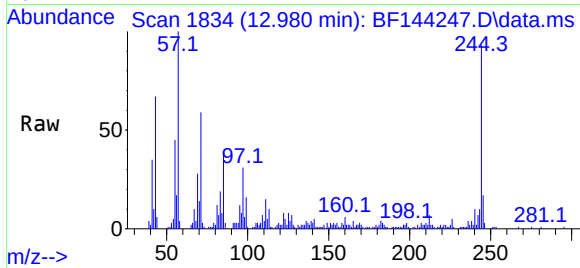




#79
 Terphenyl-d14
 Concen: 1.798 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144247.D
 Acq: 13 Nov 2025 16:54

Instrument :
 BNA_F
 ClientSampleId :
 304641-01 Liquid

Tgt Ion:244 Resp: 24626
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.3 7.9
 122 8.3 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 2266
 Delta R.T. -0.018 min
 Lab File: BF144247.D
 Acq: 13 Nov 2025 16:54

Tgt Ion:264 Resp: 307917
 Ion Ratio Lower Upper
 264 100
 260 21.9 17.1 25.7
 265 21.2 17.4 26.0

