

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143247.D
 Acq On : 25 Jul 2025 13:11
 Operator : RC/JU
 Sample : PB169004BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169004BL

Quant Time: Jul 25 13:32:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

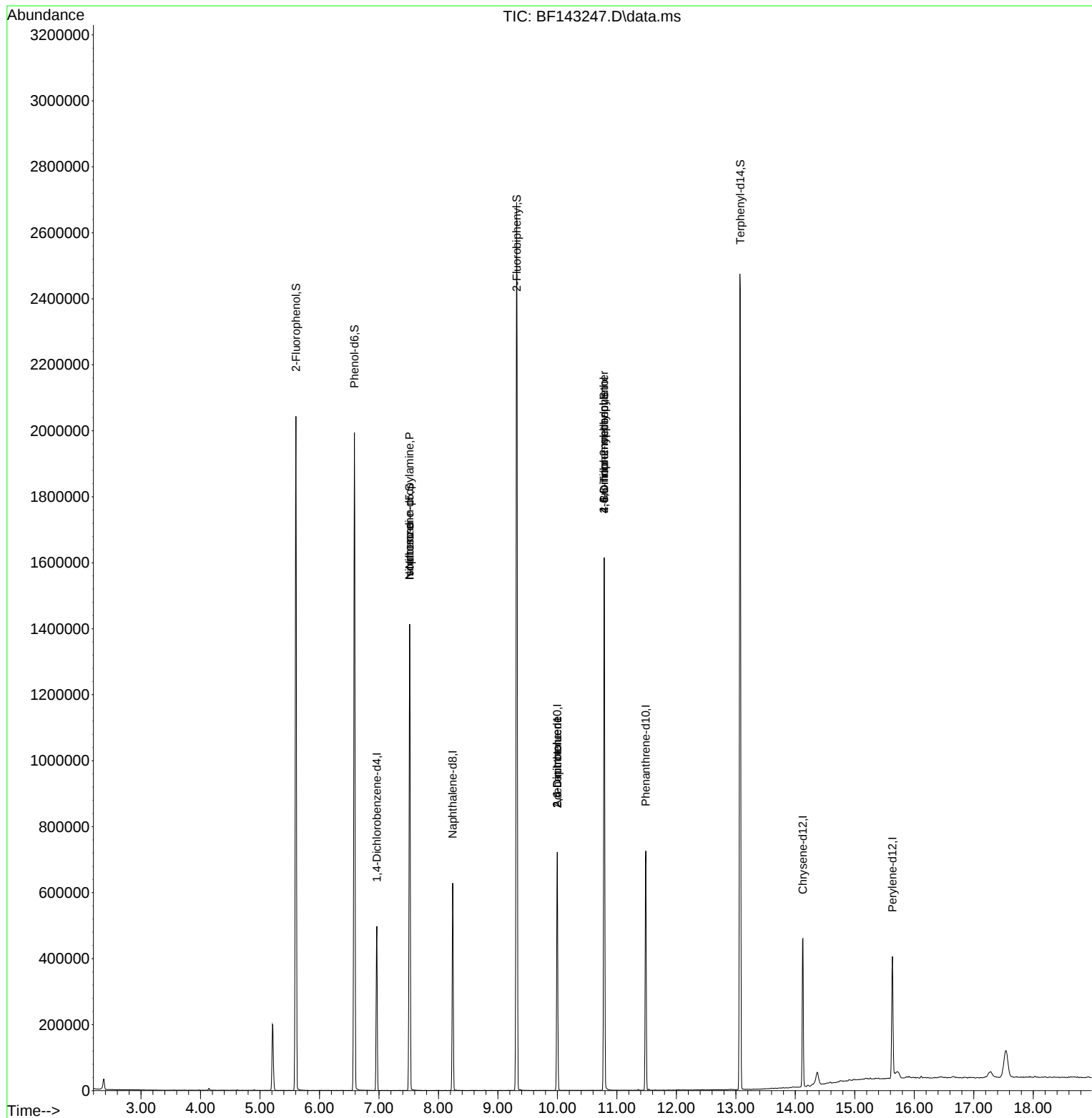
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	100875	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	389583	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	210340	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	372173	20.000	ng	0.00
76) Chrysene-d12	14.127	240	223974	20.000	ng	0.00
86) Perylene-d12	15.633	264	211772	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	754998	118.439	ng	0.02
7) Phenol-d6	6.587	99	947895	118.139	ng	0.00
23) Nitrobenzene-d5	7.516	82	641236	82.046	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	285838	131.545	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1225280	79.667	ng	0.00
79) Terphenyl-d14	13.075	244	1247531	82.887	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.516	70	88404	17.174	ng	# 79
25) Isophorone	7.516	82	637981	46.240	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	27710	9.935	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	27710	7.919	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.786	198	563	5.668	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	17139	3.864	ng	# 1

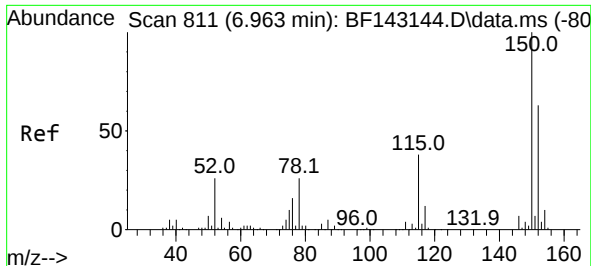
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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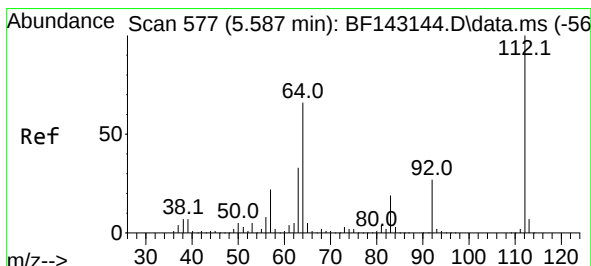
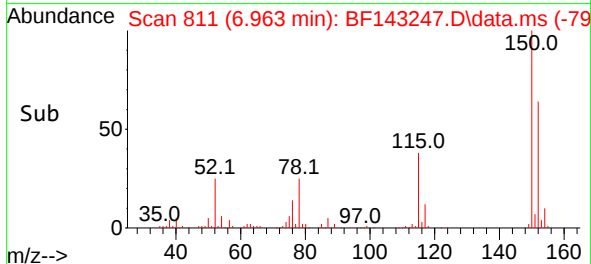
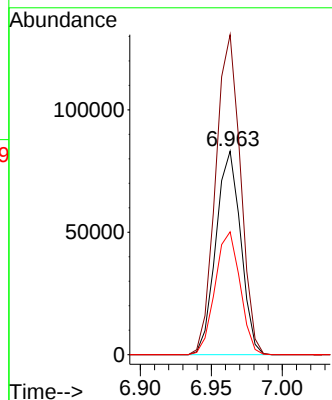
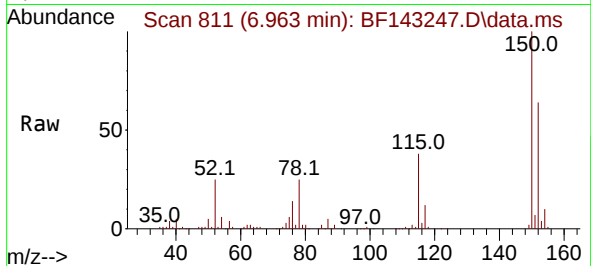




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

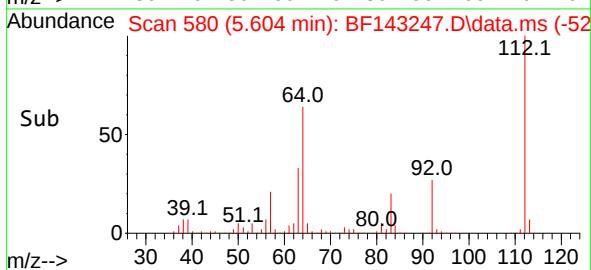
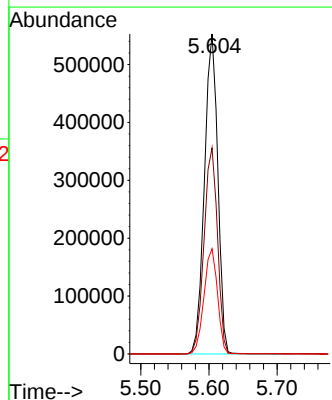
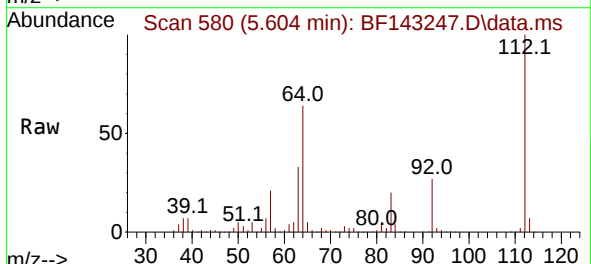
Instrument :
BNA_F
ClientSampleId :
PB169004BL

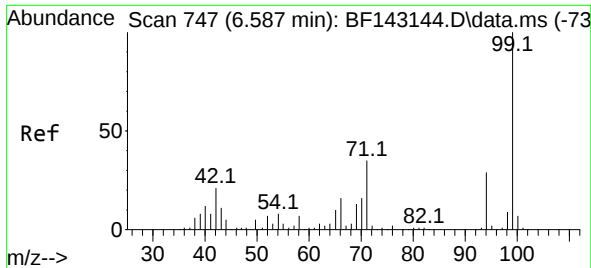
Tgt Ion:152 Resp: 100875
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 60.4 47.9 71.9



#5
2-Fluorophenol
Concen: 118.439 ng
RT: 5.604 min Scan# 580
Delta R.T. 0.018 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

Tgt Ion:112 Resp: 754998
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 32.9 26.6 40.0

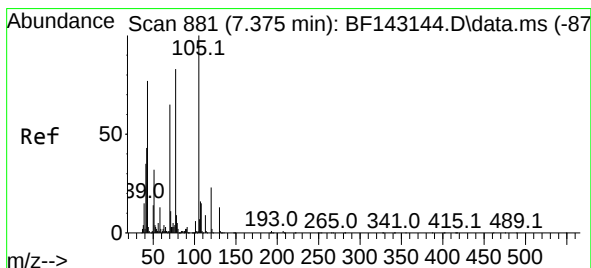
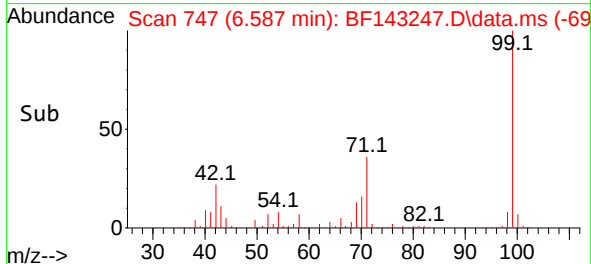
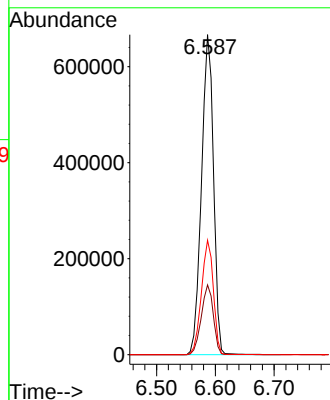
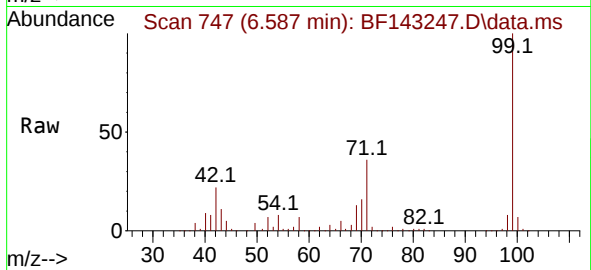




#7
Phenol-d6
Concen: 118.139 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

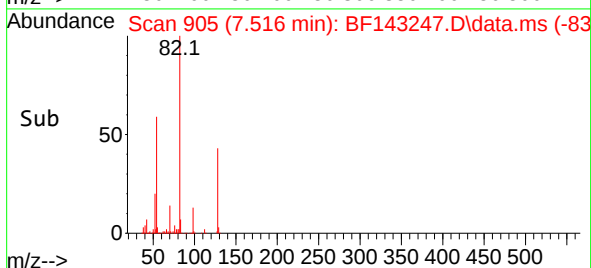
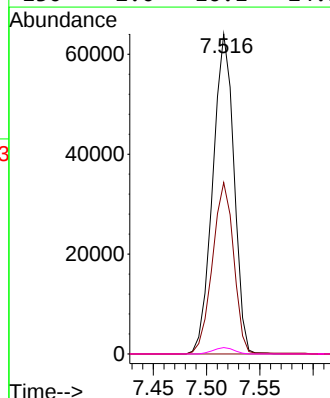
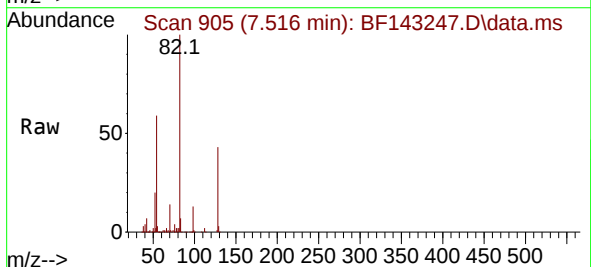
Instrument :
BNA_F
ClientSampleId :
PB169004BL

Tgt Ion: 99 Resp: 947895
Ion Ratio Lower Upper
99 100
42 21.8 17.0 25.6
71 35.7 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 17.174 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

Tgt Ion: 70 Resp: 88404
Ion Ratio Lower Upper
70 100
42 53.5 52.5 78.7
101 0.0 7.6 11.4#
130 2.0 16.1 24.1#

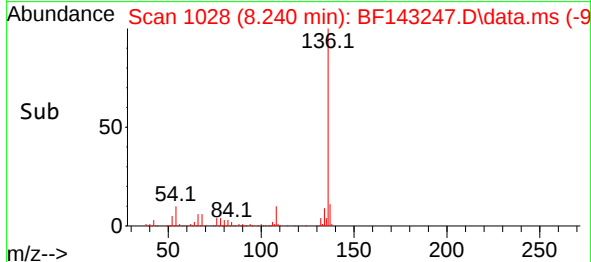
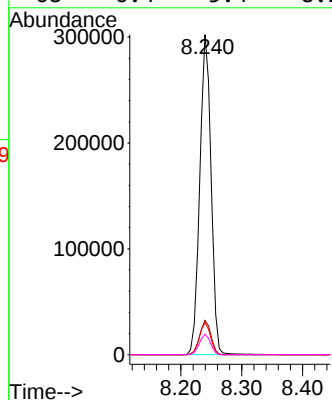
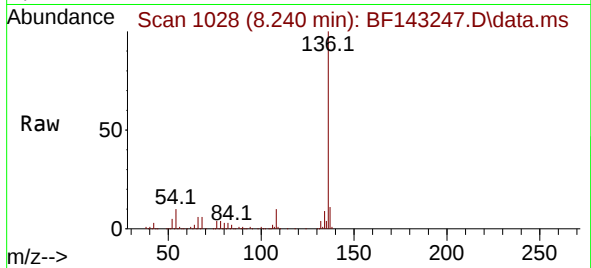




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

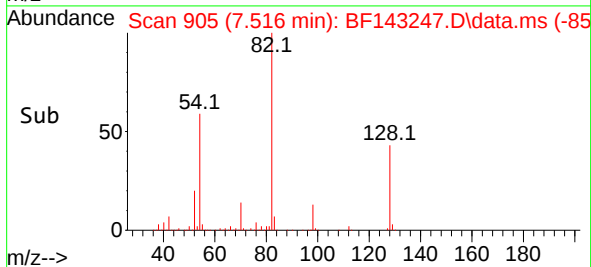
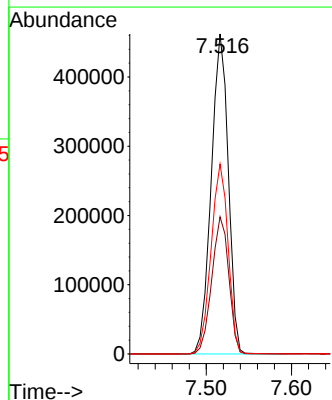
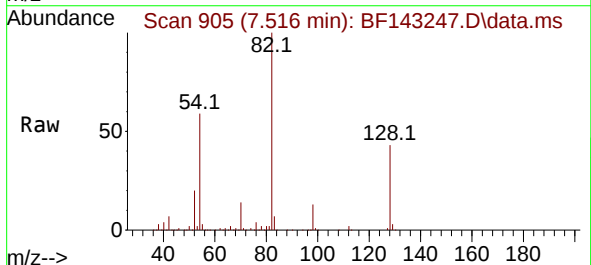
Instrument :
BNA_F
ClientSampleId :
PB169004BL

Tgt Ion:	136	Resp:	389583
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.2	12.2
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 82.046 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

Tgt Ion:	82	Resp:	641236
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	59.4	47.1	70.7

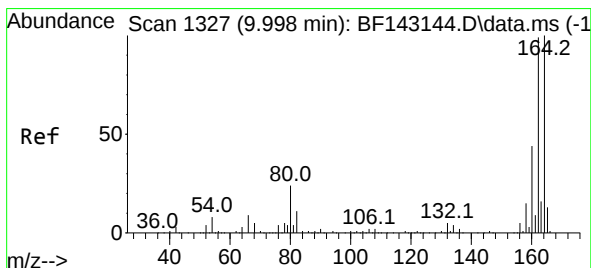
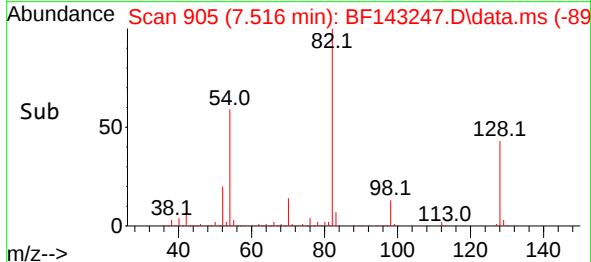
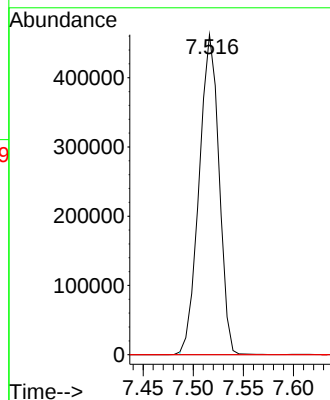
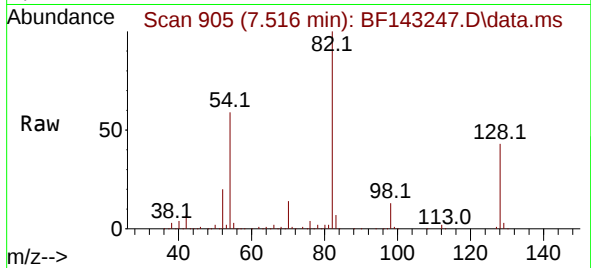




#25
Isophorone
Concen: 46.240 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

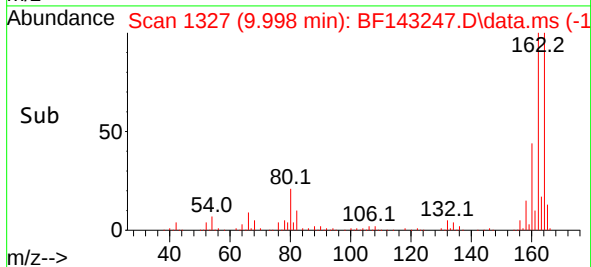
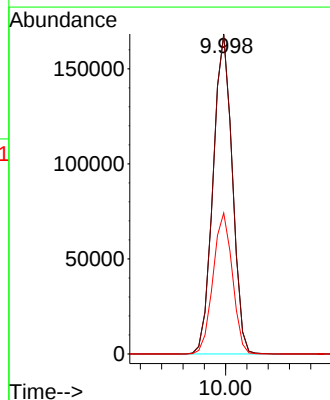
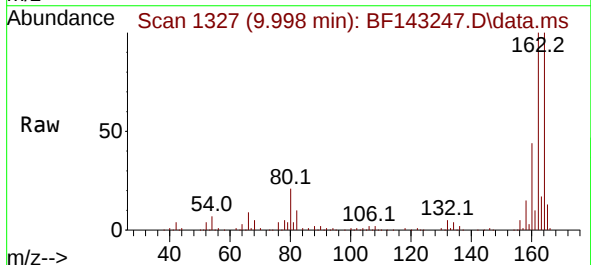
Instrument :
BNA_F
ClientSampleId :
PB169004BL

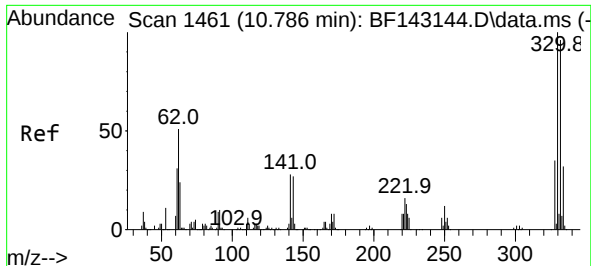
Tgt Ion: 82 Resp: 637981
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

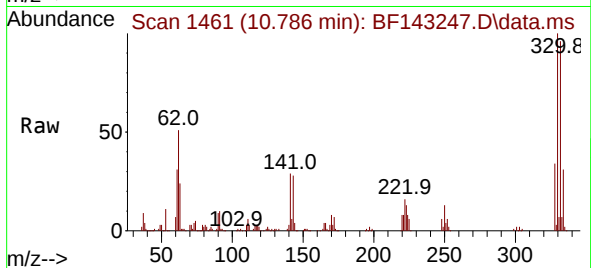
Tgt Ion:164 Resp: 210340
Ion Ratio Lower Upper
164 100
162 99.6 79.0 118.6
160 44.1 35.1 52.7



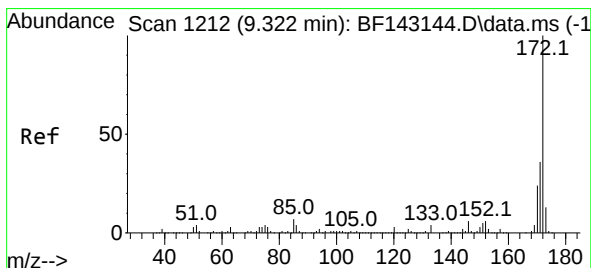
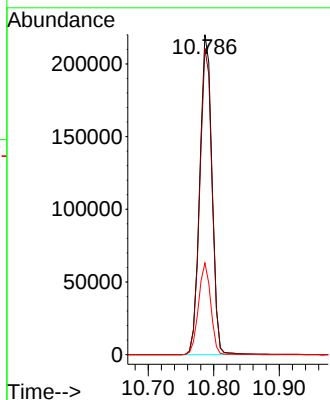
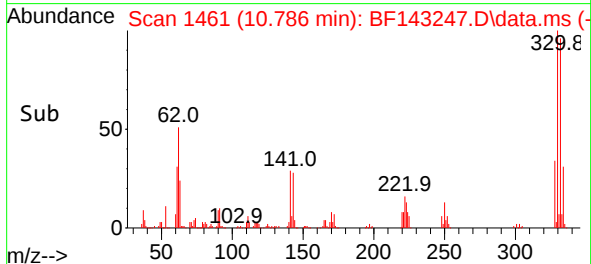


#42
2,4,6-Tribromophenol
Concen: 131.545 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

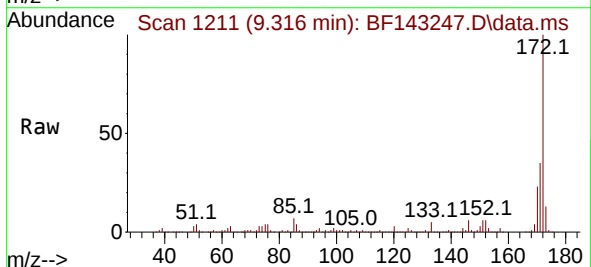
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BNA_F
ClientSampleId :
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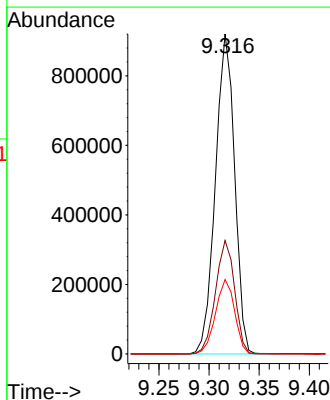
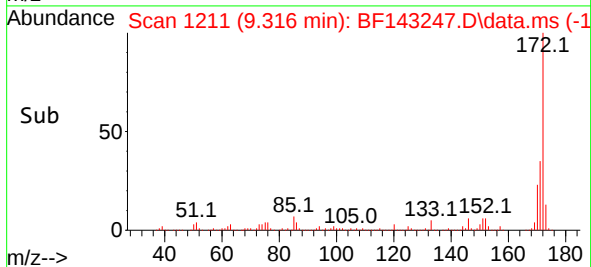
Tgt Ion:330 Resp: 285838
Ion Ratio Lower Upper
330 100
332 96.2 76.7 115.1
141 28.6 23.3 34.9

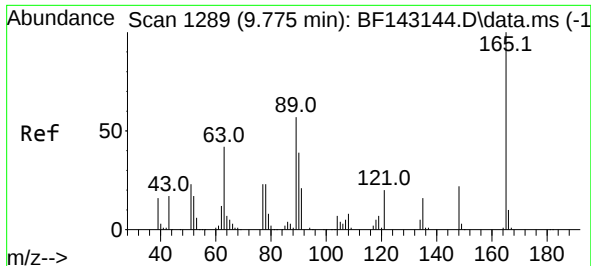


#45
2-Fluorobiphenyl
Concen: 79.667 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11



Tgt Ion:172 Resp: 1225280
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.935 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF143247.D

Acq: 25 Jul 2025 13:11

Instrument :

BNA_F

ClientSampleId :

PB169004BL

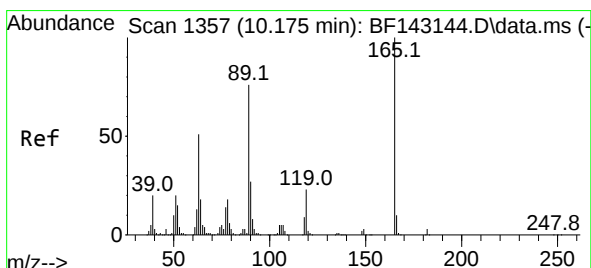
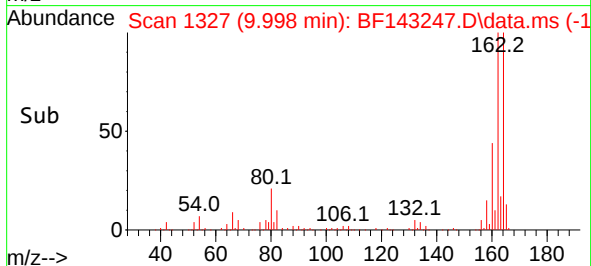
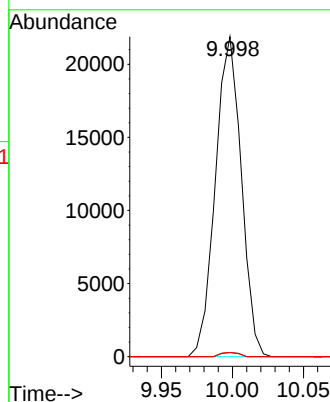
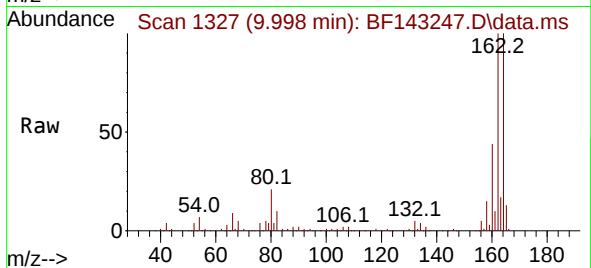
Tgt Ion:165 Resp: 27710

Ion Ratio Lower Upper

165 100

63 1.3 49.4 74.2#

89 1.3 46.2 69.2#



#57

2,4-Dinitrotoluene

Concen: 7.919 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.176 min

Lab File: BF143247.D

Acq: 25 Jul 2025 13:11

Tgt Ion:165 Resp: 27710

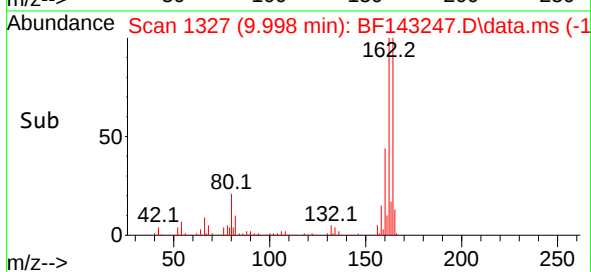
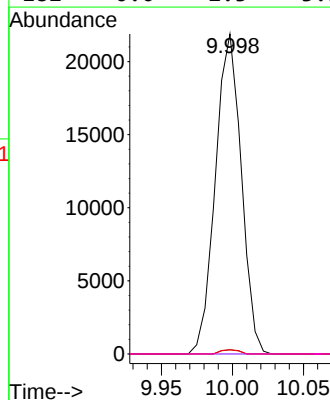
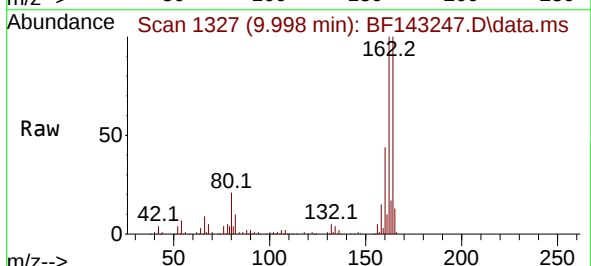
Ion Ratio Lower Upper

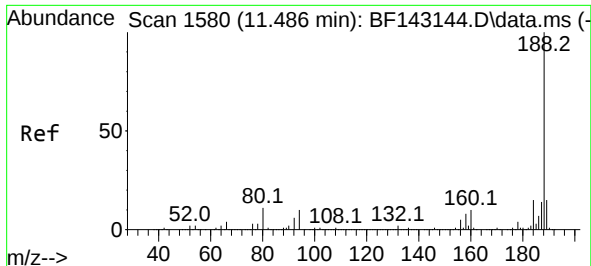
165 100

63 1.3 41.0 61.4#

89 1.3 61.1 91.7#

182 0.0 2.3 3.5#

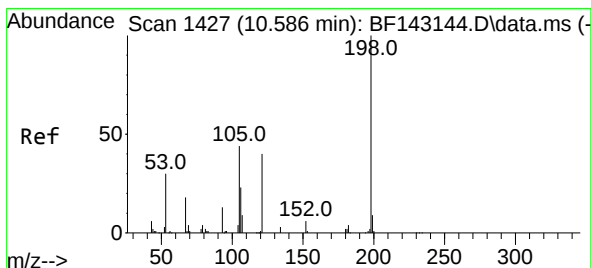
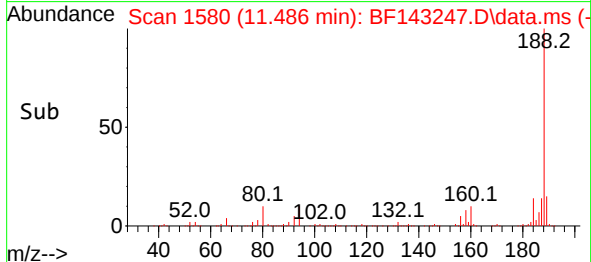
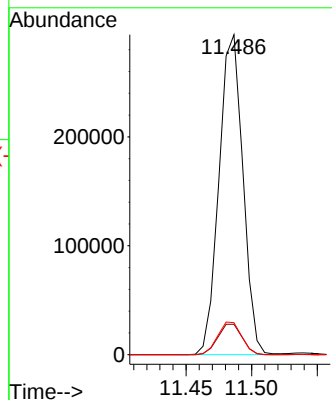
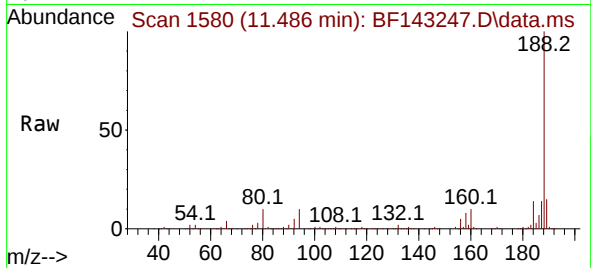




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

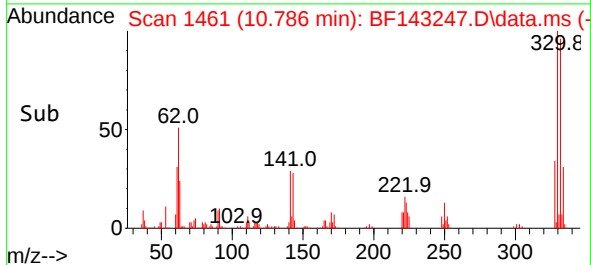
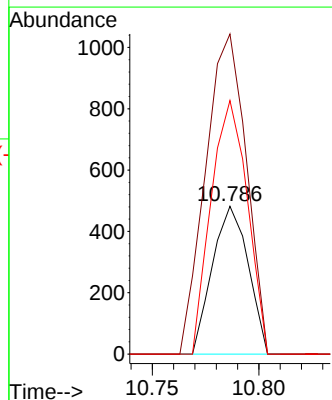
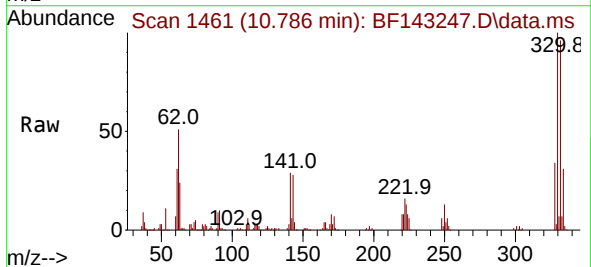
Instrument :
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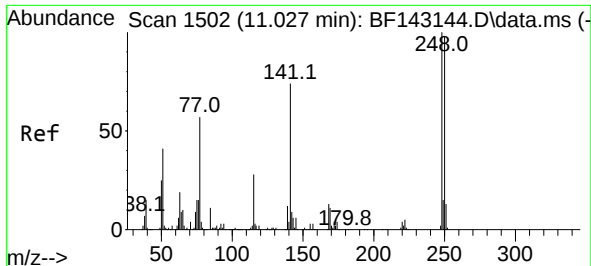
Tgt Ion:188 Resp: 372173
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 10.0 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 5.668 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

Tgt Ion:198 Resp: 563
Ion Ratio Lower Upper
198 100
51 216.6 37.2 77.2#
105 171.6 24.8 64.8#

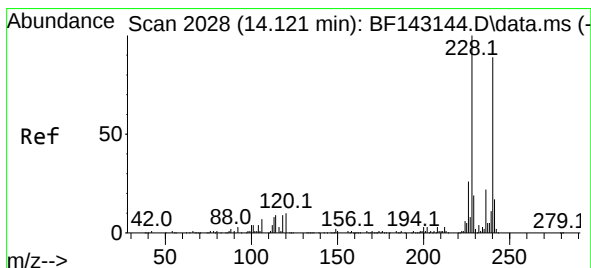
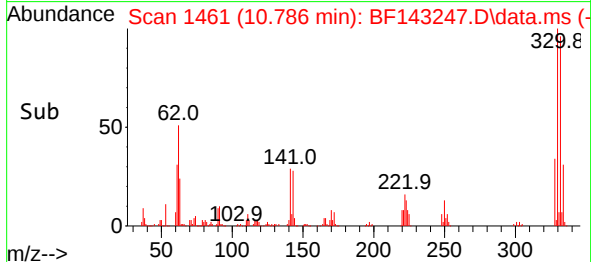
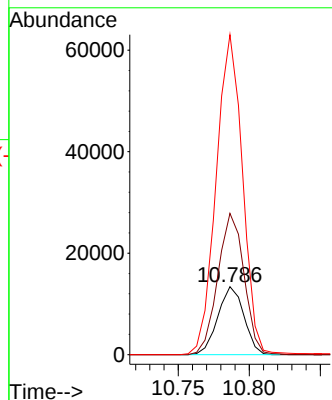
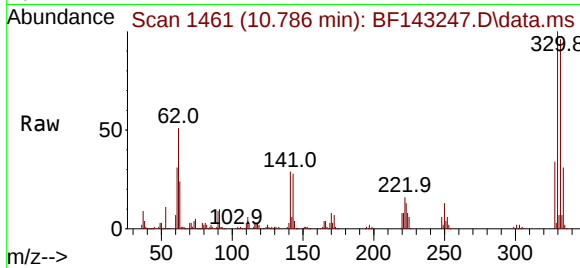




#67
4-Bromophenyl-phenylether
Concen: 3.864 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

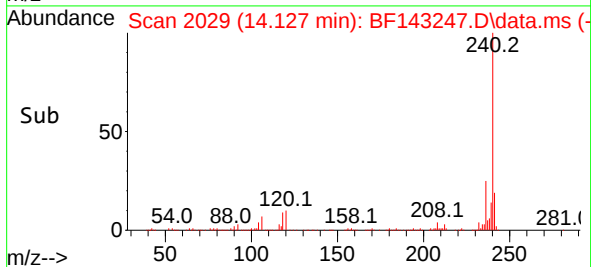
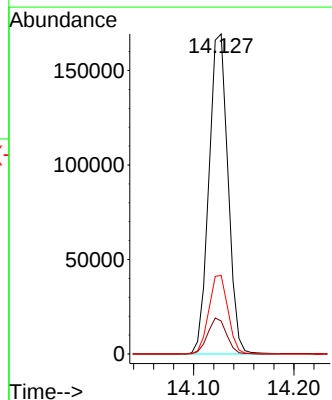
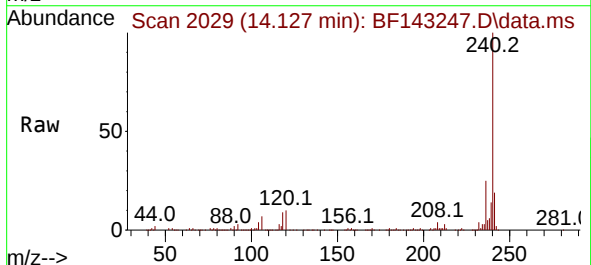
Instrument :
BNA_F
ClientSampleId :
PB169004BL

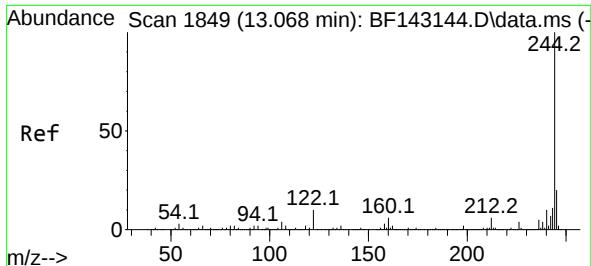
Tgt Ion:248 Resp: 17139
Ion Ratio Lower Upper
248 100
250 207.7 78.3 117.5#
141 470.4 59.2 88.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143247.D
Acq: 25 Jul 2025 13:11

Tgt Ion:240 Resp: 223974
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 24.6 20.2 30.4

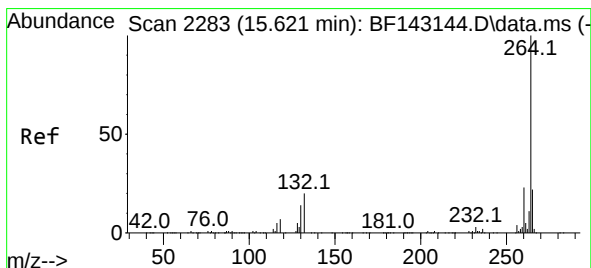
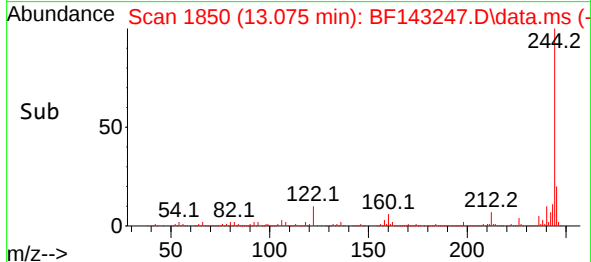
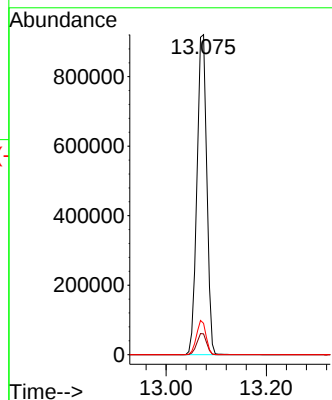
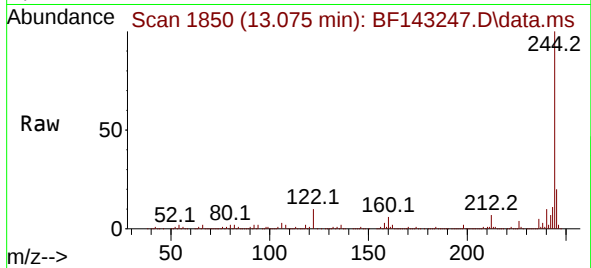




#79
 Terphenyl-d14
 Concen: 82.887 ng
 RT: 13.075 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143247.D
 Acq: 25 Jul 2025 13:11

Instrument :
 BNA_F
 ClientSampleId :
 PB169004BL

Tgt Ion:244 Resp: 1247531
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 9.8 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. 0.012 min
 Lab File: BF143247.D
 Acq: 25 Jul 2025 13:11

Tgt Ion:264 Resp: 211772
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.5 27.7
 265 21.2 17.4 26.2

