

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143400.D
 Acq On : 15 Aug 2025 04:24
 Operator : RC/JU
 Sample : PB169230BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169230BL

Quant Time: Aug 15 05:15:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

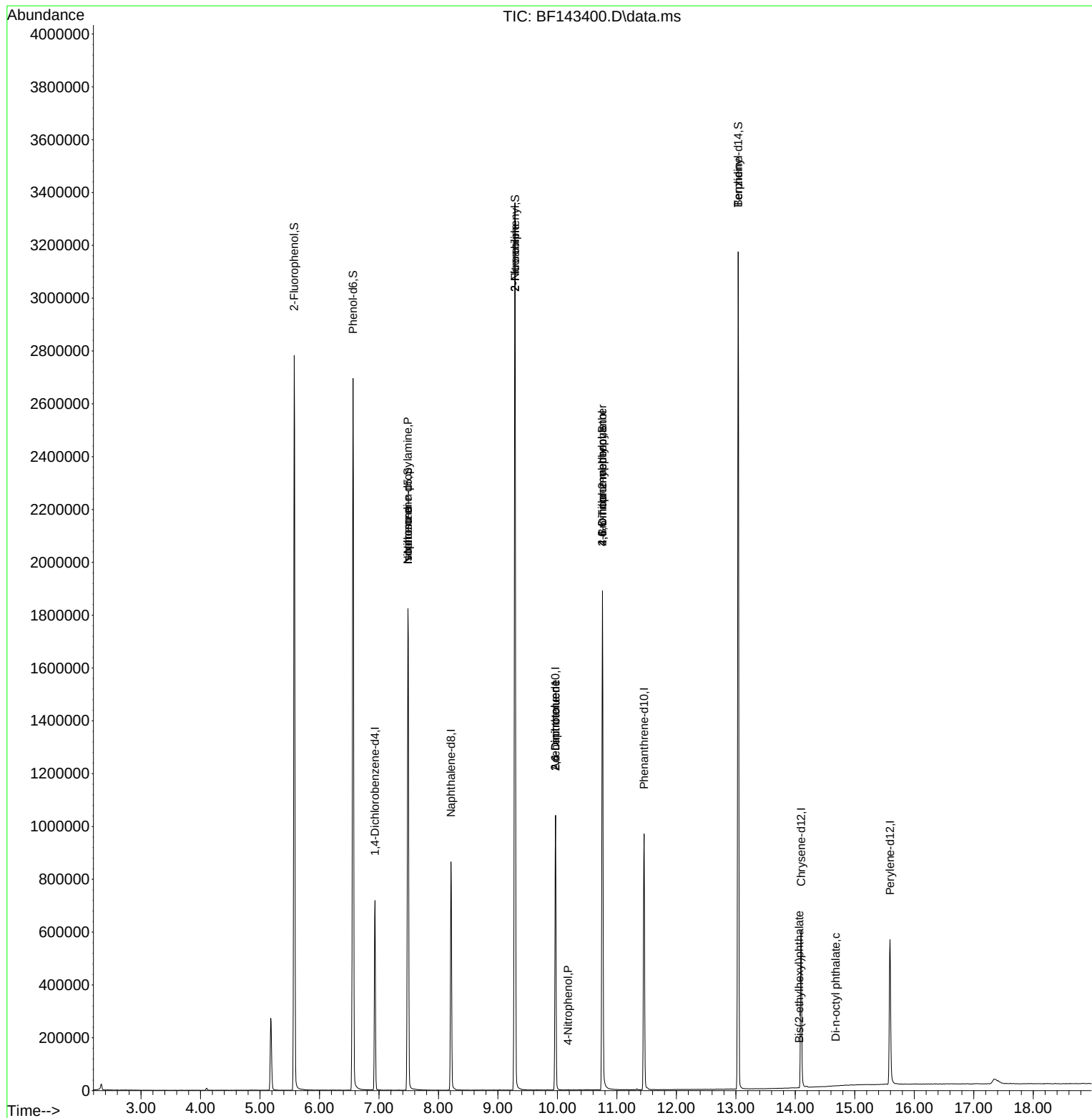
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	149708	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	584249	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	324705	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	513466	20.000	ng	0.00
76) Chrysene-d12	14.098	240	314985	20.000	ng	0.00
86) Perylene-d12	15.592	264	355690	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1044609	120.661	ng	0.01
7) Phenol-d6	6.563	99	1319512	118.854	ng	0.00
23) Nitrobenzene-d5	7.486	82	878754	93.664	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	343104	144.586	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	1615166	84.351	ng	0.00
79) Terphenyl-d14	13.039	244	1584305	89.799	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.486	70	118131	17.220	ng	# 79
25) Isophorone	7.486	82	865465	45.188	ng	# 65
48) 2-Nitroaniline	9.286	65	2848	3.280	ng	# 1
51) 2,6-Dinitrotoluene	9.969	165	41502	13.809	ng	# 21
56) 4-Nitrophenol	10.180	139	120	5.513	ng	# 5
57) 2,4-Dinitrotoluene	9.969	165	41502	11.178	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.757	198	715	7.553	ng	# 1
67) 4-Bromophenyl-phenylether	10.757	248	22286	3.795	ng	# 1
77) Benzidine	13.039	184	18956	2.201	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.068	149	113	4.003	ng	# 53
85) Di-n-octyl phthalate	14.680	149	264	6.040	ng	# 70

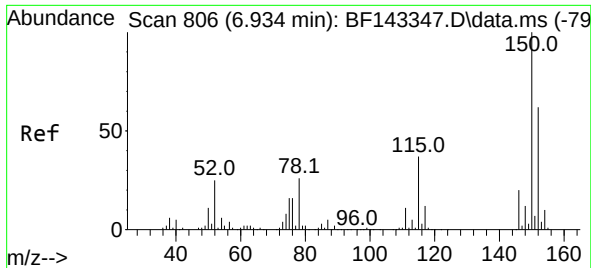
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 15 05:15:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 12 13:25:39 2025
Response via : Initial Calibration

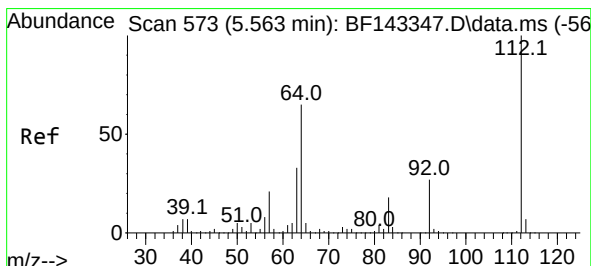
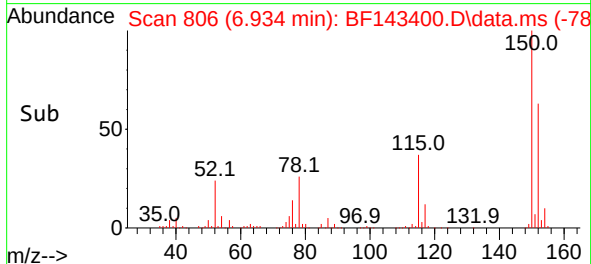
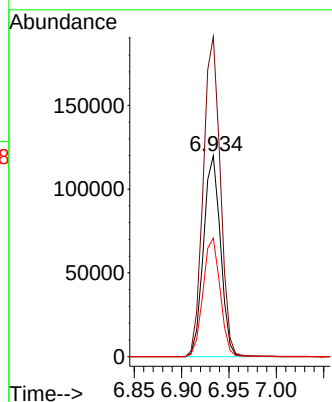
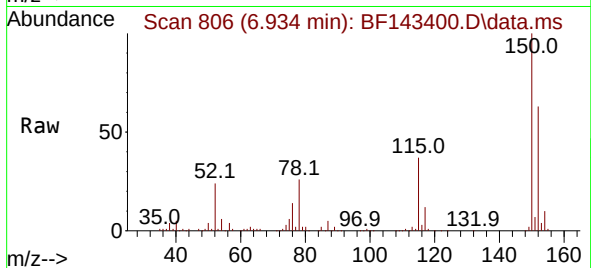




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.934 min Scan# 806
 Delta R.T. -0.000 min
 Lab File: BF143400.D
 Acq: 15 Aug 2025 04:24

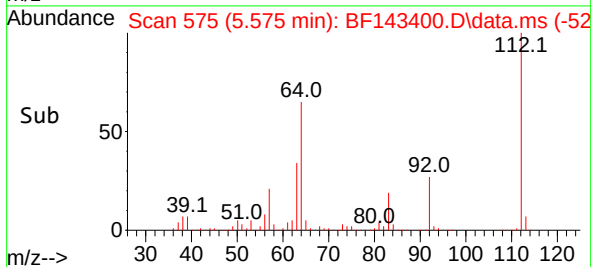
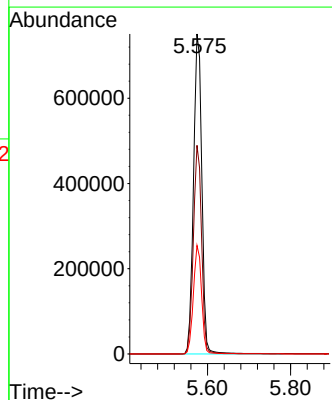
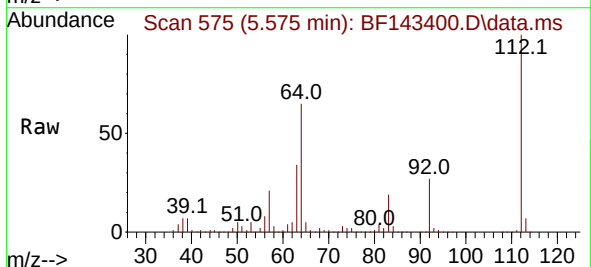
Instrument :
 BNA_F
 ClientSampleId :
 PB169230BL

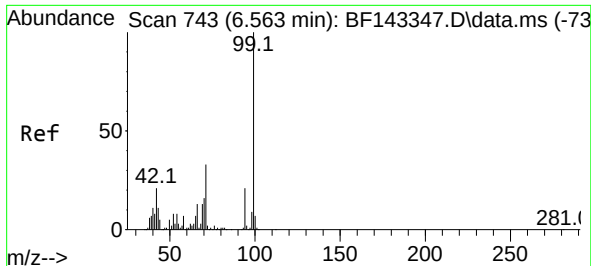
Tgt Ion:152 Resp: 149708
 Ion Ratio Lower Upper
 152 100
 150 159.2 129.8 194.8
 115 59.0 47.8 71.8



#5
 2-Fluorophenol
 Concen: 120.661 ng
 RT: 5.575 min Scan# 575
 Delta R.T. 0.012 min
 Lab File: BF143400.D
 Acq: 15 Aug 2025 04:24

Tgt Ion:112 Resp: 1044609
 Ion Ratio Lower Upper
 112 100
 64 65.2 52.1 78.1
 63 33.9 26.6 39.8





#7
Phenol-d6
Concen: 118.854 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

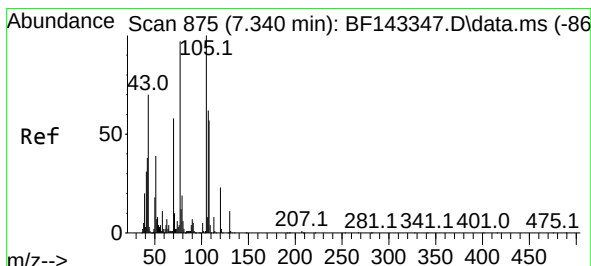
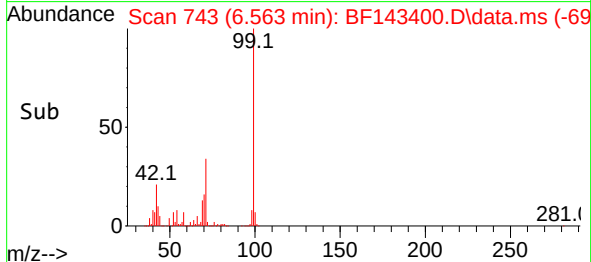
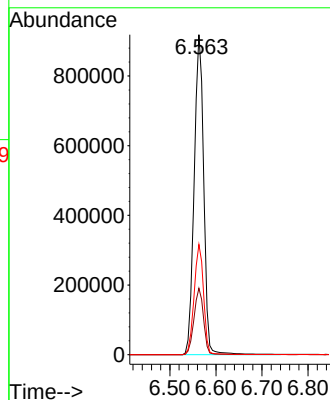
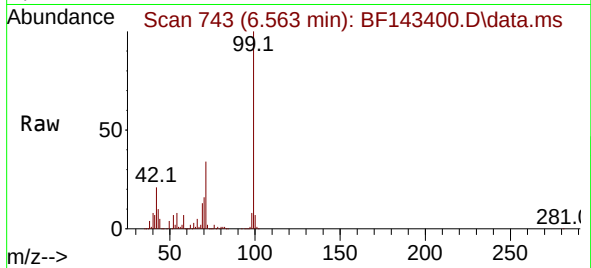
Instrument :

BNA_F

ClientSampleId :

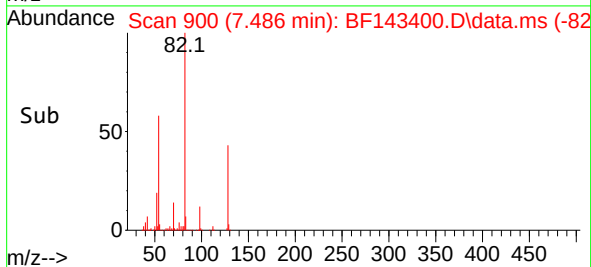
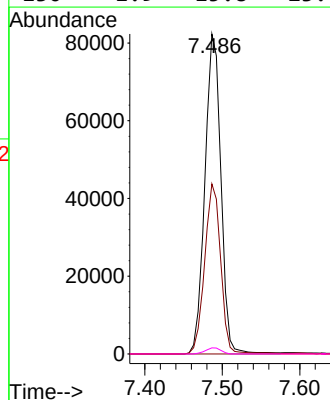
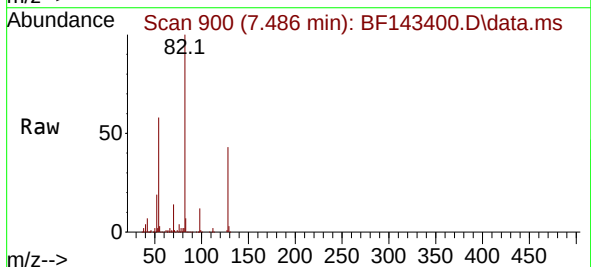
PB169230BL

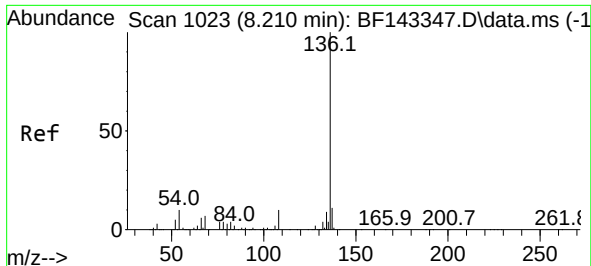
Tgt Ion: 99 Resp: 1319512
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 34.4 26.2 39.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.220 ng
RT: 7.486 min Scan# 900
Delta R.T. 0.147 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion: 70 Resp: 118131
Ion Ratio Lower Upper
70 100
42 53.2 51.6 77.4
101 0.0 7.5 11.3#
130 1.9 15.8 23.6#

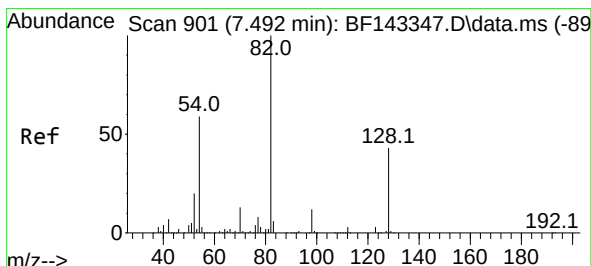
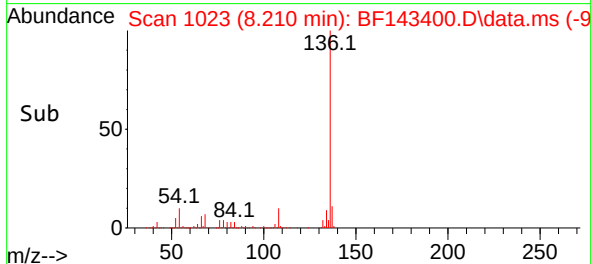
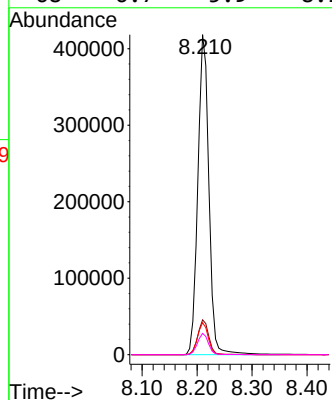
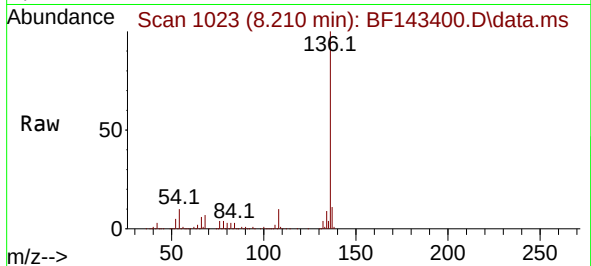




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

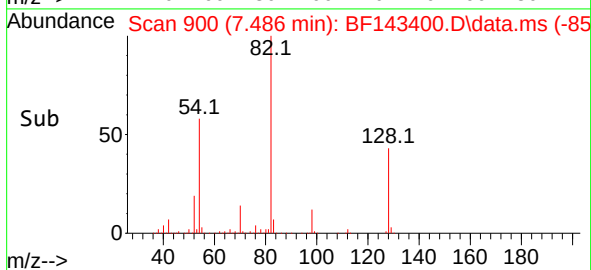
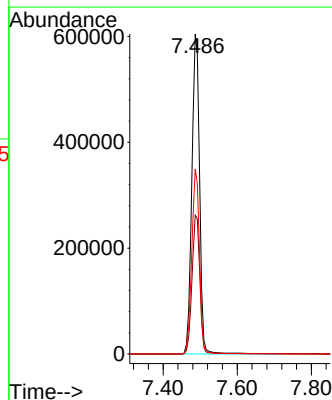
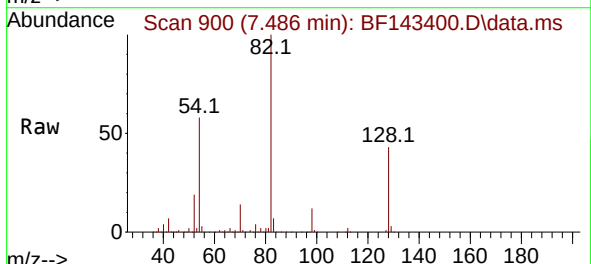
Instrument :
BNA_F
ClientSampleId :
PB169230BL

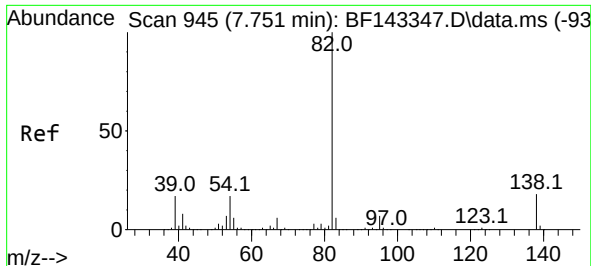
Tgt Ion:136	Resp: 584249
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 10.0	8.4 12.6
68 6.7	5.9 8.9



#23
Nitrobenzene-d5
Concen: 93.664 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion: 82	Resp: 878754
Ion Ratio	Lower Upper
82 100	
128 43.4	33.5 50.3
54 57.7	46.7 70.1

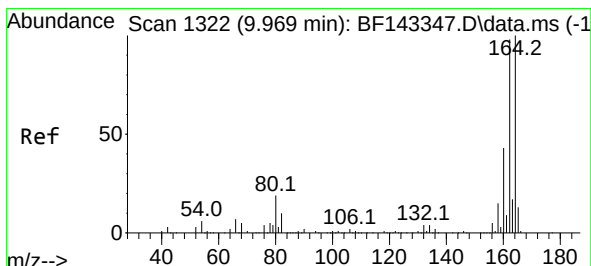
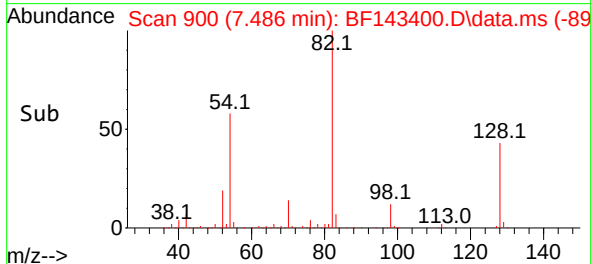
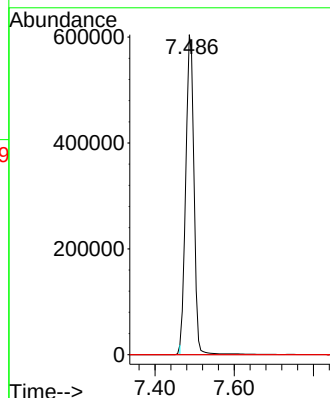
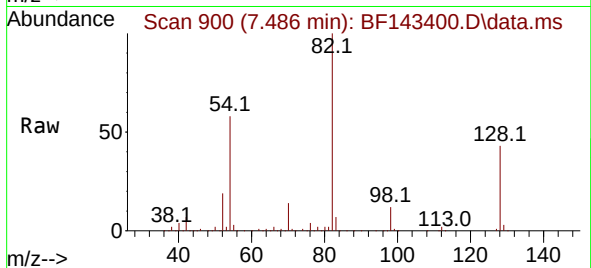




#25
Isophorone
Concen: 45.188 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

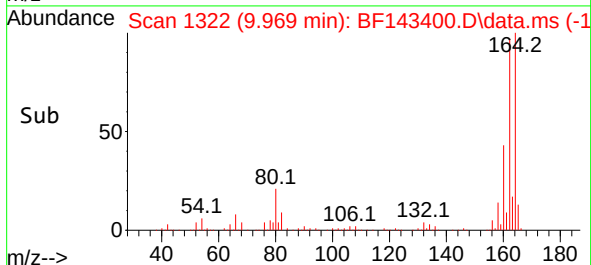
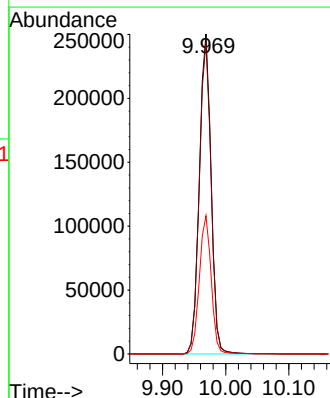
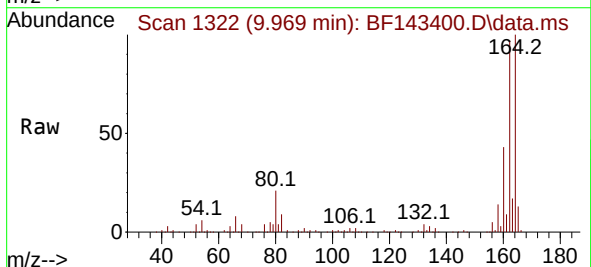
Instrument :
BNA_F
ClientSampleId :
PB169230BL

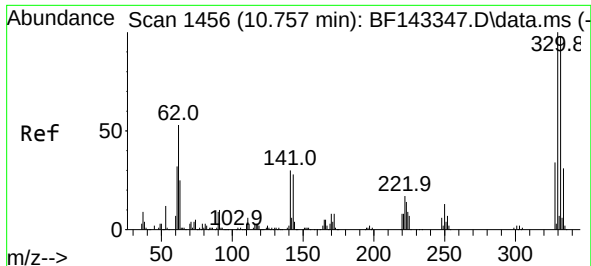
Tgt Ion: 82 Resp: 865465
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:164 Resp: 324705
Ion Ratio Lower Upper
164 100
162 97.5 78.6 118.0
160 43.2 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 144.586 ng

RT: 10.757 min Scan# 1456

Delta R.T. -0.000 min

Lab File: BF143400.D

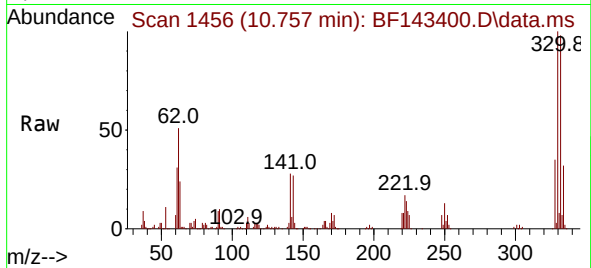
Acq: 15 Aug 2025 04:24

Instrument :

BNA_F

ClientSampleId :

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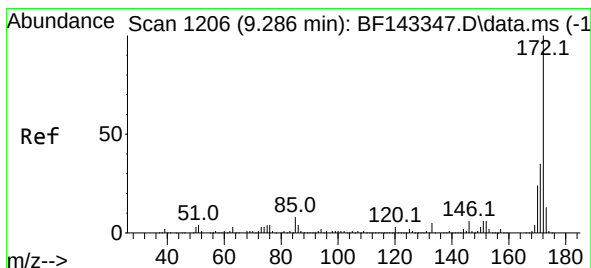
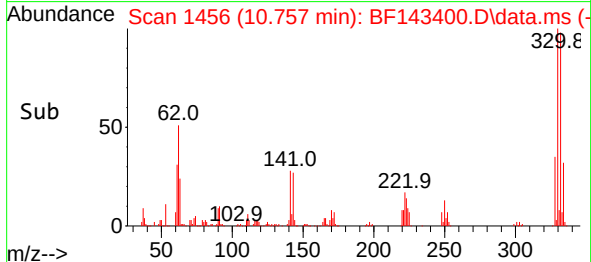
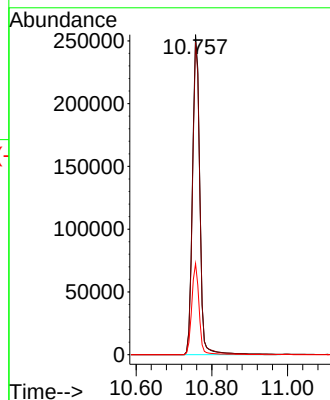
Tgt Ion:330 Resp: 343104

Ion Ratio Lower Upper

330 100

332 97.4 78.1 117.1

141 28.5 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 84.351 ng

RT: 9.286 min Scan# 1206

Delta R.T. -0.000 min

Lab File: BF143400.D

Acq: 15 Aug 2025 04:24

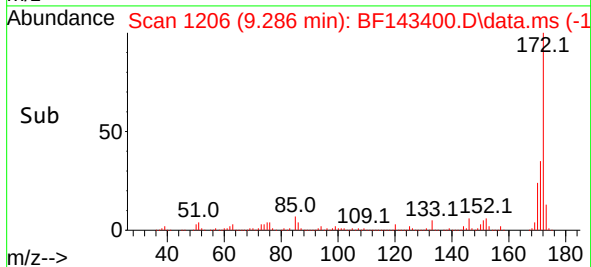
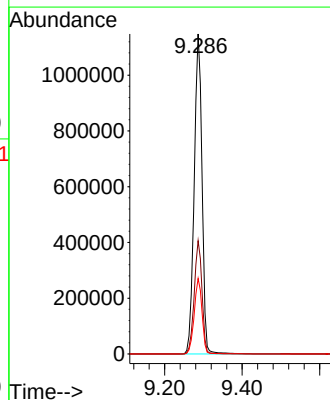
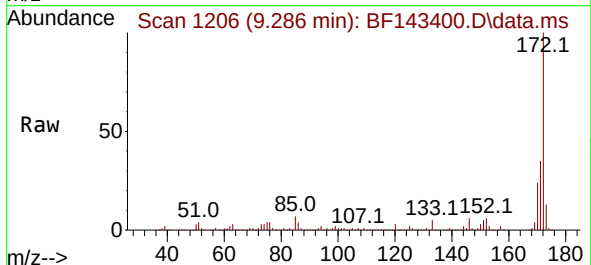
Tgt Ion:172 Resp: 1615166

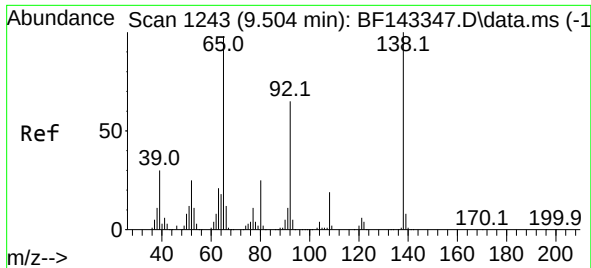
Ion Ratio Lower Upper

172 100

171 35.4 28.4 42.6

170 23.6 19.1 28.7

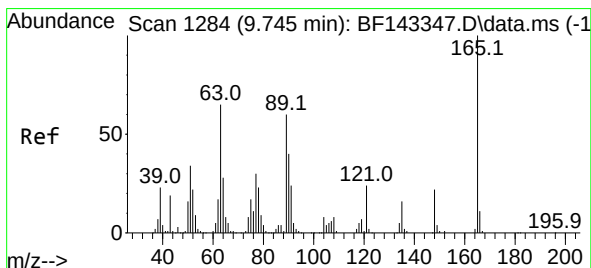
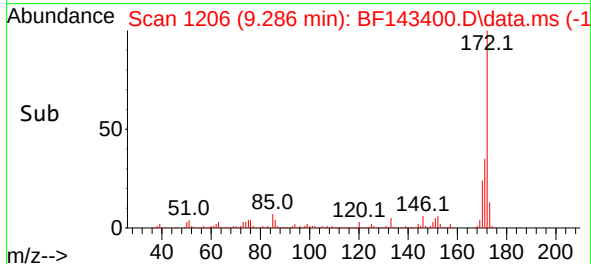
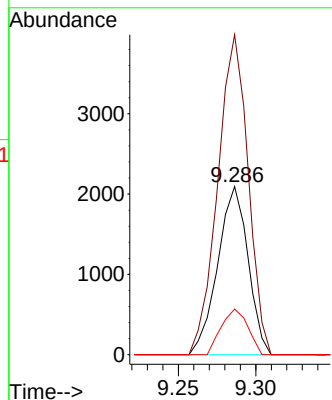
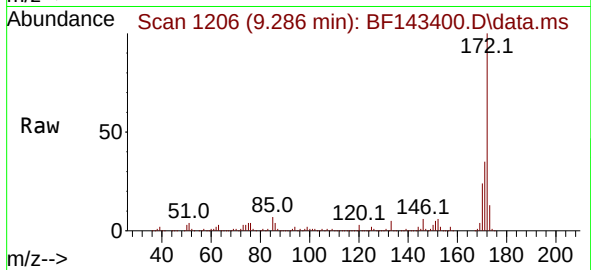




#48
2-Nitroaniline
Concen: 3.280 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

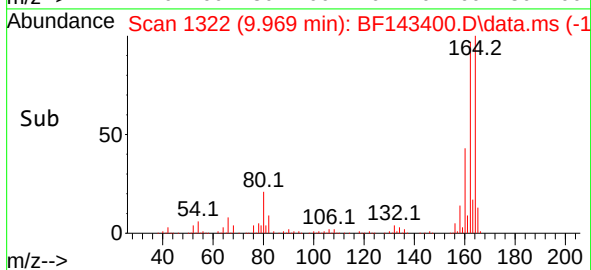
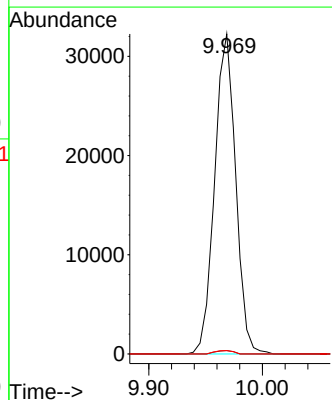
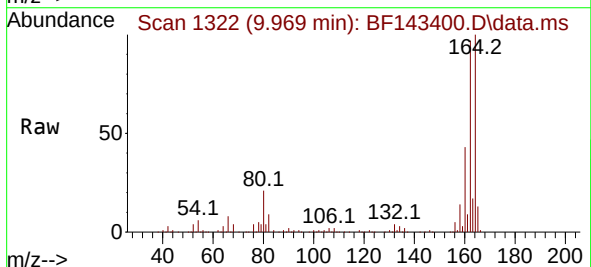
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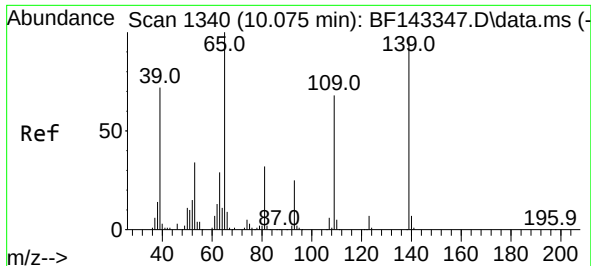
Tgt Ion: 65 Resp: 2848
Ion Ratio Lower Upper
65 100
92 190.3 53.1 79.7#
138 27.1 81.4 122.0#



#51
2,6-Dinitrotoluene
Concen: 13.809 ng
RT: 9.969 min Scan# 1322
Delta R.T. 0.224 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion: 165 Resp: 41502
Ion Ratio Lower Upper
165 100
63 1.0 51.6 77.4#
89 1.0 47.7 71.5#

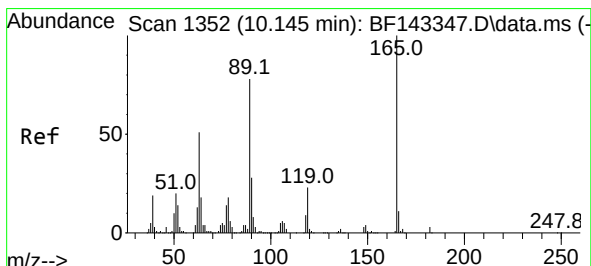
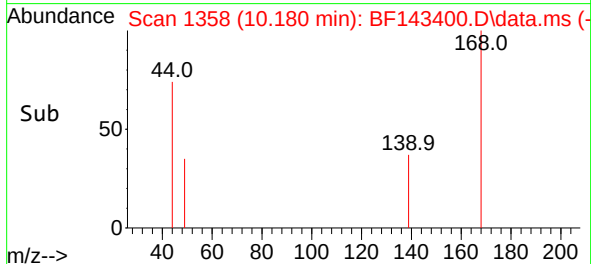
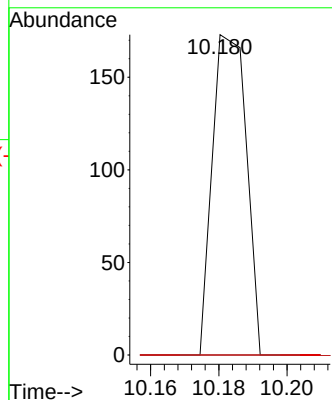
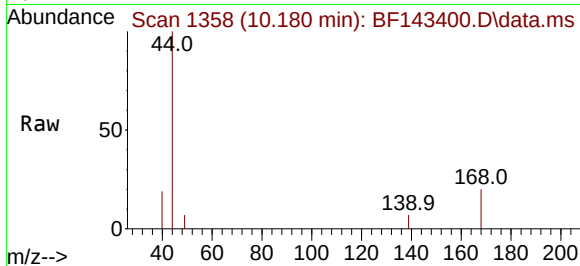




#56
4-Nitrophenol
Concen: 5.513 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.105 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

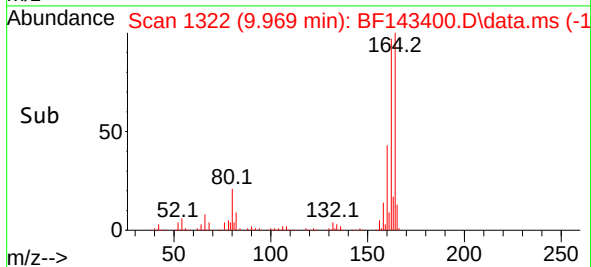
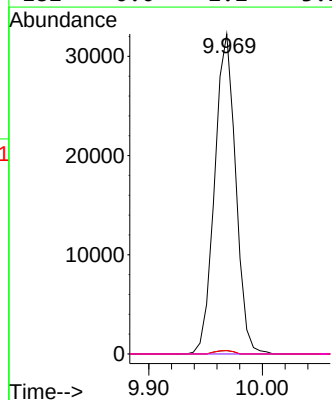
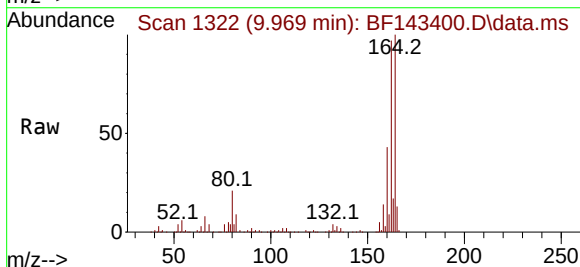
Instrument :
BNA_F
ClientSampleId :
PB169230BL

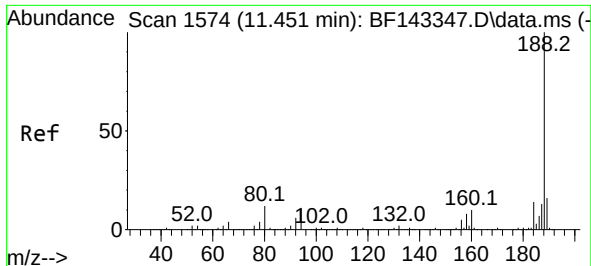
Tgt Ion:139 Resp: 120
Ion Ratio Lower Upper
139 100
109 0.0 49.4 89.4#
65 0.0 83.7 123.7#



#57
2,4-Dinitrotoluene
Concen: 11.178 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.176 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:165 Resp: 41502
Ion Ratio Lower Upper
165 100
63 1.0 41.8 62.8#
89 1.0 62.4 93.6#
182 0.0 2.2 3.2#

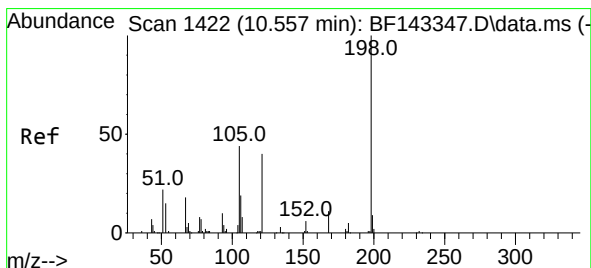
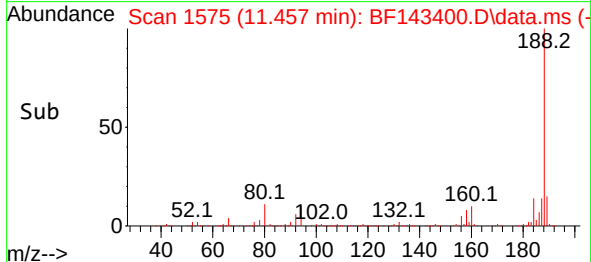
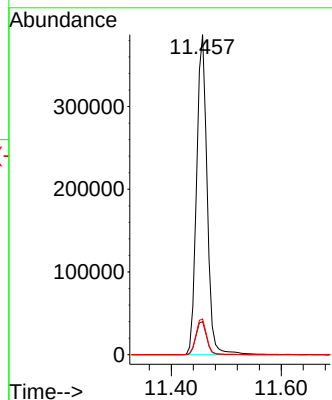
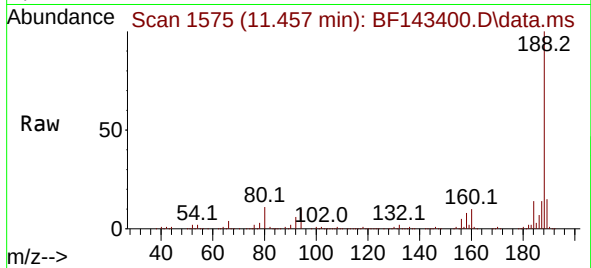




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

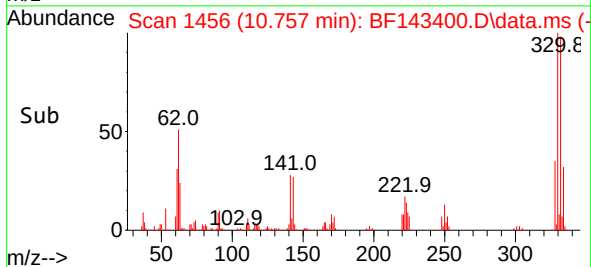
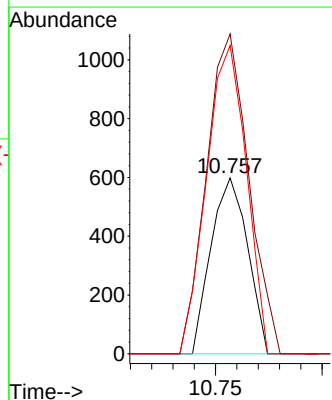
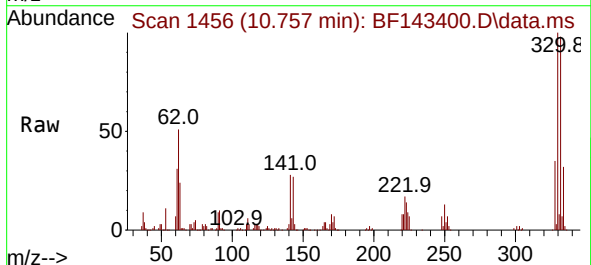
Instrument :
BNA_F
ClientSampleId :
PB169230BL

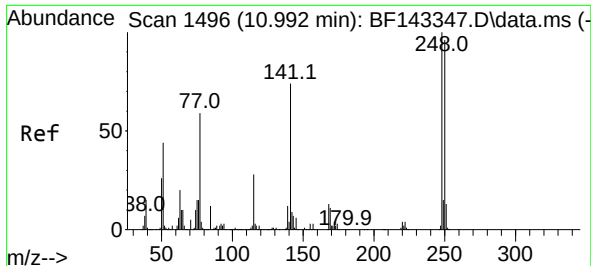
Tgt Ion:188 Resp: 513466
Ion Ratio Lower Upper
188 100
94 10.3 8.8 13.2
80 11.2 9.7 14.5



#65
4,6-Dinitro-2-methylphenol
Concen: 7.553 ng
RT: 10.757 min Scan# 1456
Delta R.T. 0.200 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:198 Resp: 715
Ion Ratio Lower Upper
198 100
51 181.9 41.7 81.7#
105 175.4 26.8 66.8#

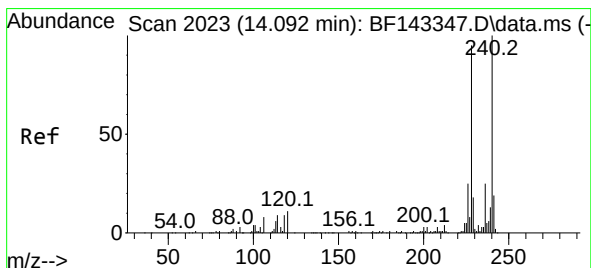
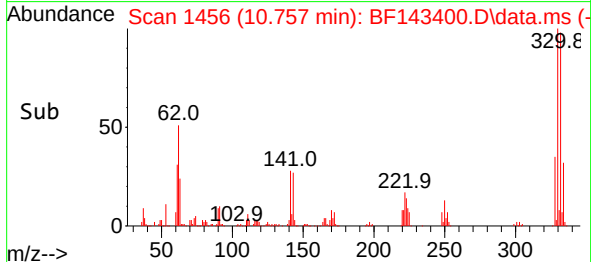
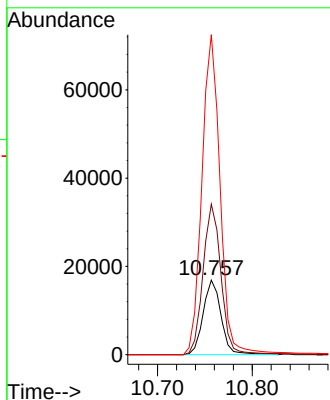
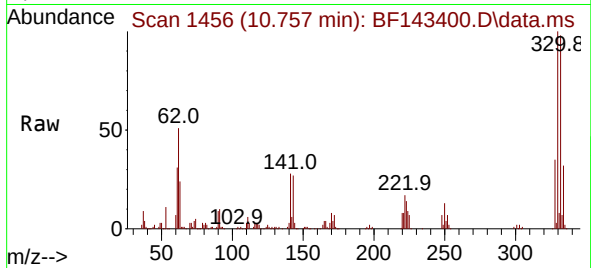




#67
4-Bromophenyl-phenylether
Concen: 3.795 ng
RT: 10.757 min Scan# 1496
Delta R.T. -0.235 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

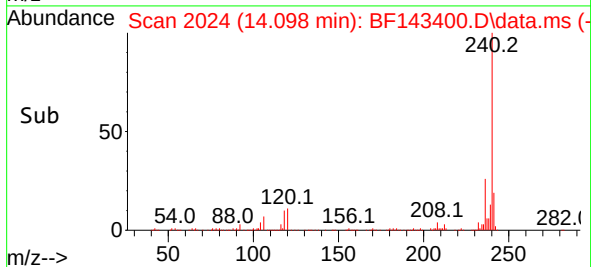
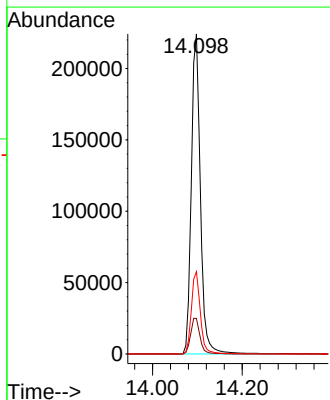
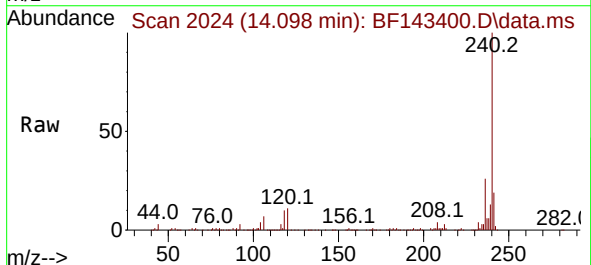
Instrument :
BNA_F
ClientSampleId :
PB169230BL

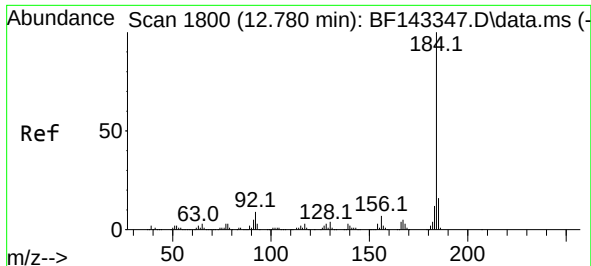
Tgt Ion:248 Resp: 22286
Ion Ratio Lower Upper
248 100
250 201.7 77.1 115.7#
141 428.7 59.1 88.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:240 Resp: 314985
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.6
236 25.7 19.9 29.9

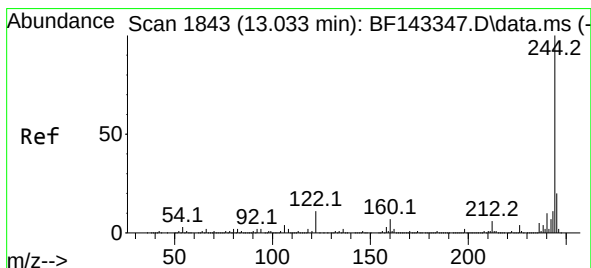
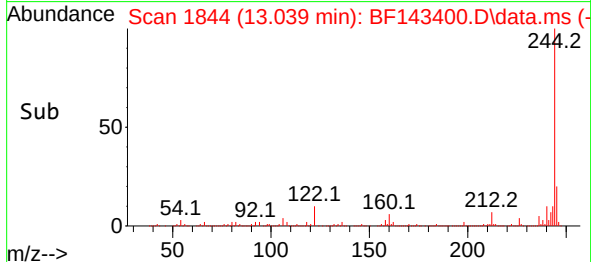
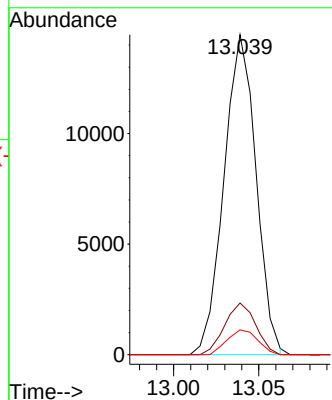
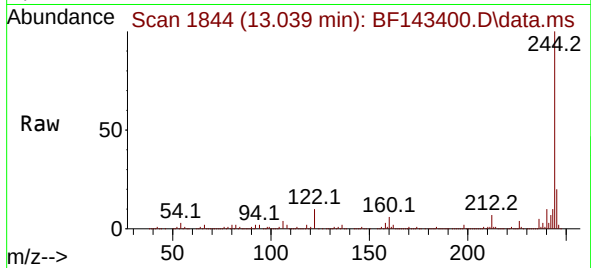




#77
Benzidine
Concen: 2.201 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.259 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

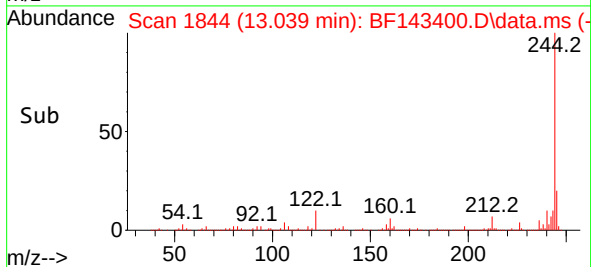
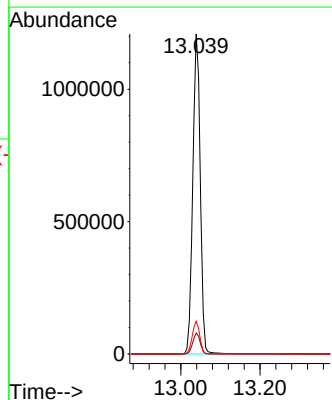
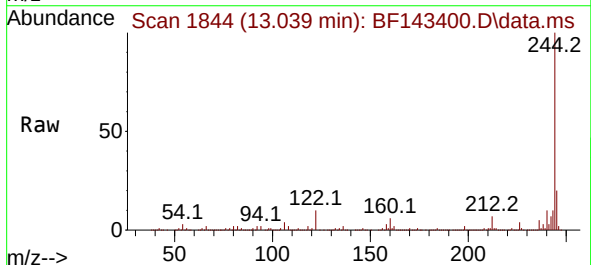
Instrument :
BNA_F
ClientSampleId :
PB169230BL

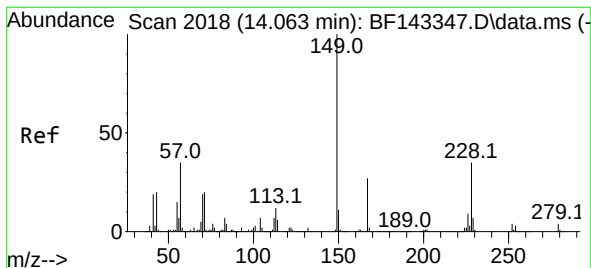
Tgt Ion:184 Resp: 18956
Ion Ratio Lower Upper
184 100
185 16.2 12.8 19.2
183 7.7 9.3 13.9#



#79
Terphenyl-d14
Concen: 89.799 ng
RT: 13.039 min Scan# 1844
Delta R.T. 0.006 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:244 Resp: 1584305
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 10.2 8.9 13.3

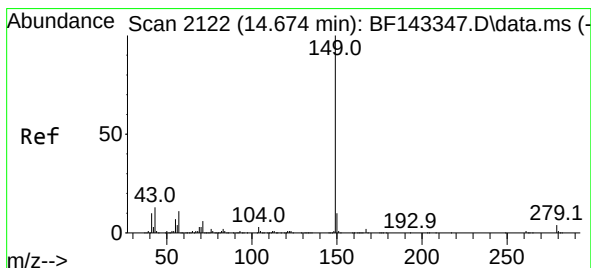
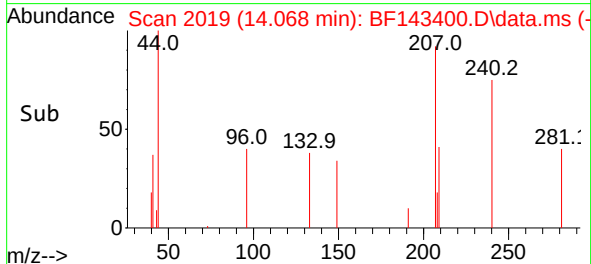
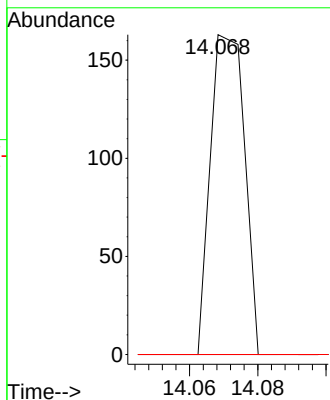
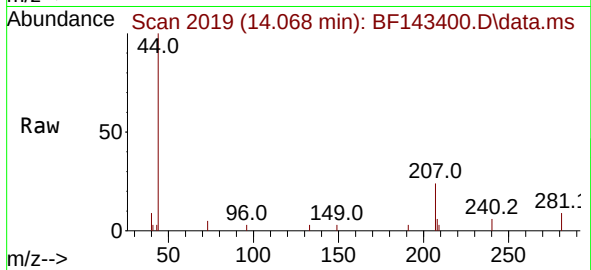




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.003 ng
RT: 14.068 min Scan# 2018
Delta R.T. 0.005 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

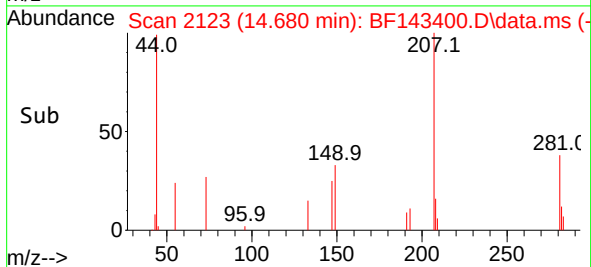
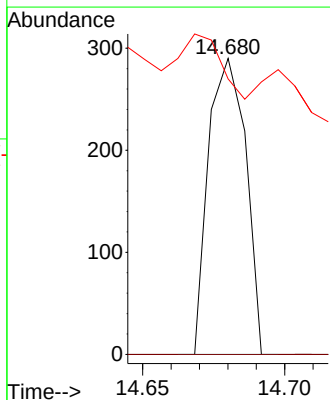
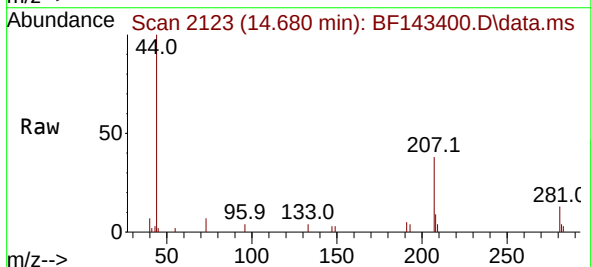
Instrument :
BNA_F
ClientSampleId :
PB169230BL

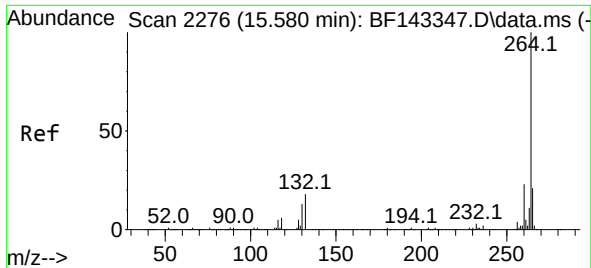
Tgt Ion:149 Resp: 113
Ion Ratio Lower Upper
149 100
167 0.0 21.4 32.0#
279 0.0 3.2 4.8#



#85
Di-n-octyl phthalate
Concen: 6.040 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BF143400.D
Acq: 15 Aug 2025 04:24

Tgt Ion:149 Resp: 264
Ion Ratio Lower Upper
149 100
167 0.0 1.3 1.9#
43 0.0 10.8 16.2#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143400.D
 Acq: 15 Aug 2025 04:24

Instrument :
 BNA_F
 ClientSampleId :
 PB169230BL

Tgt Ion:264 Resp: 355690
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.7 28.1
 265 21.4 17.2 25.8

