

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143616.D
 Acq On : 28 Aug 2025 18:13
 Operator : RC/JU
 Sample : Q2970-31
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3

Quant Time: Aug 29 01:08:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

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

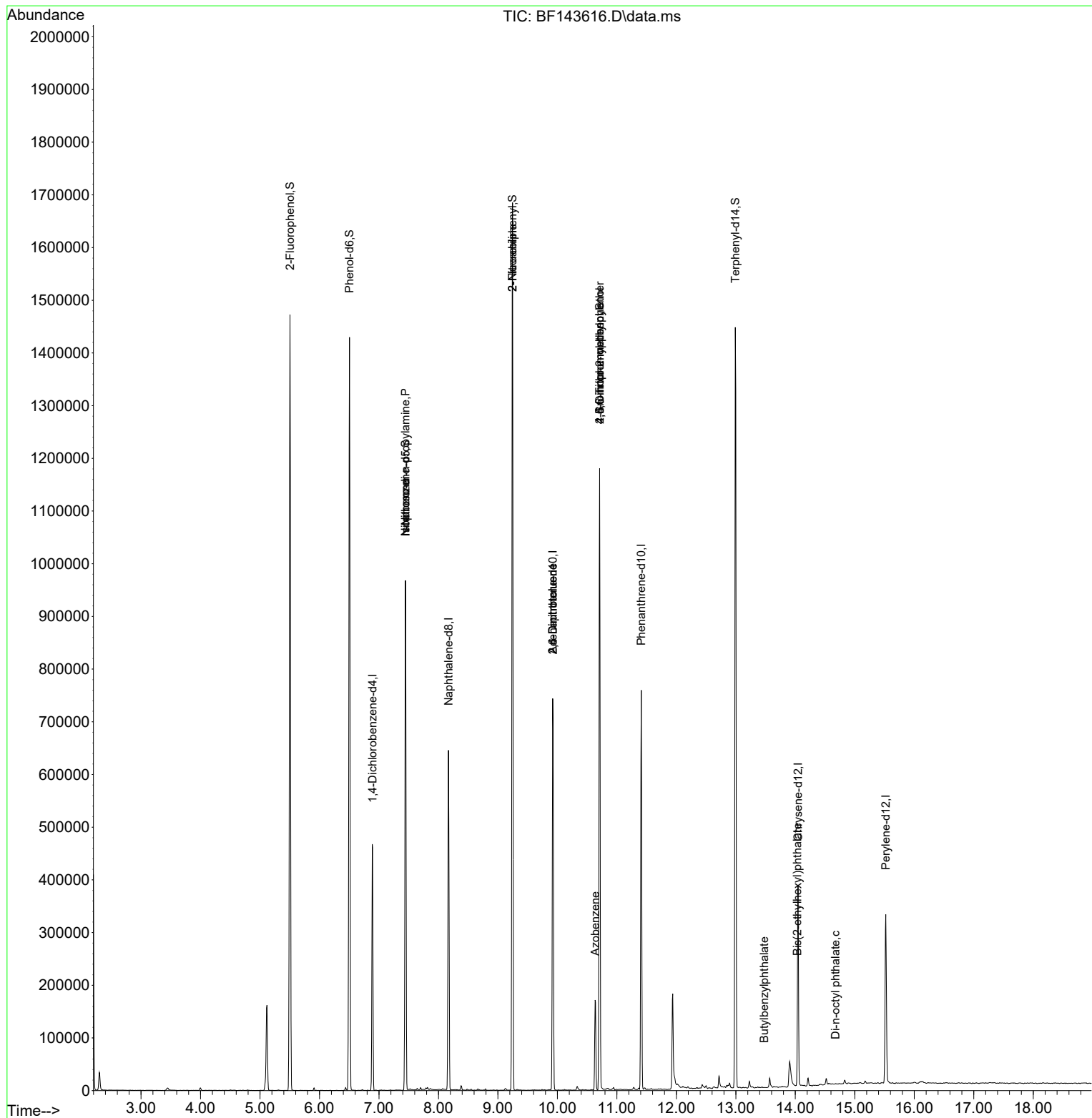
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	101688	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	389756	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	227550	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	377875	20.000	ng	0.00
76) Chrysene-d12	14.045	240	183751	20.000	ng	0.00
86) Perylene-d12	15.521	264	186674	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	538887	90.195	ng	0.00
7) Phenol-d6	6.504	99	686148	92.722	ng	0.00
23) Nitrobenzene-d5	7.445	82	418032	76.581	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	198940	111.796	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	741525	55.717	ng	0.00
79) Terphenyl-d14	12.992	244	705698	68.917	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	54572	11.641	ng	# 76
25) Isophorone	7.445	82	415430	32.521	ng	# 66
48) 2-Nitroaniline	9.245	65	1139	4.604	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	29296	16.002	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29296	13.385	ng	# 22
63) Azobenzene	10.633	77	43644	3.282	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	336	7.975	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13193	3.228	ng	# 1
80) Butylbenzylphthalate	13.474	149	53	3.679	ng	# 23
84) Bis(2-ethylhexyl)phtha...	14.033	149	866	3.381	ng	# 95
85) Di-n-octyl phthalate	14.674	149	177	5.882	ng	# 72

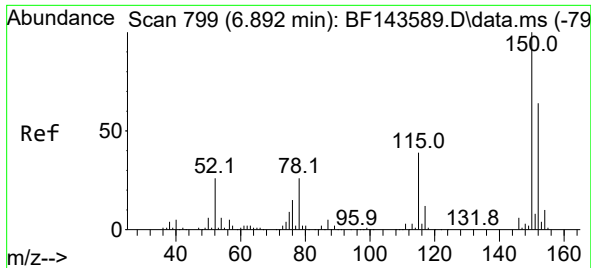
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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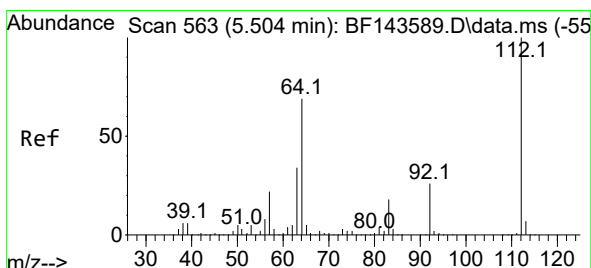
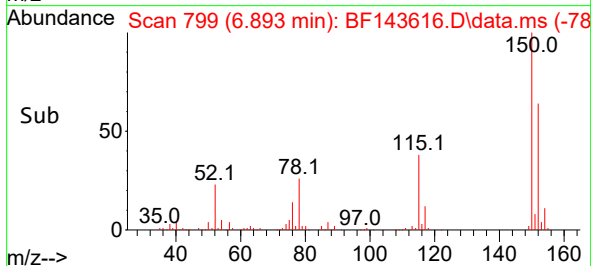
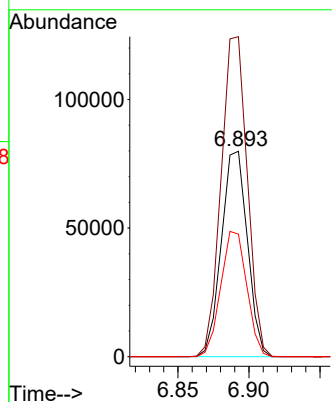
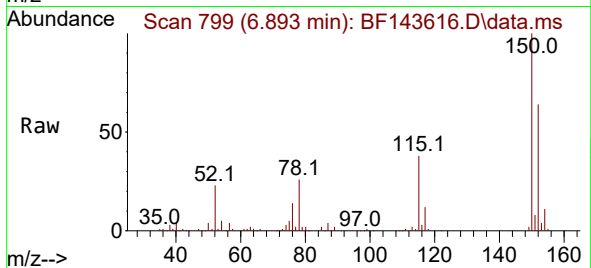




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. 0.001 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

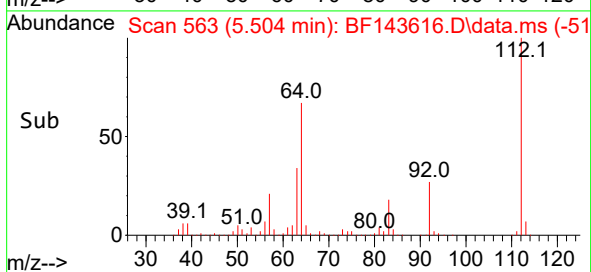
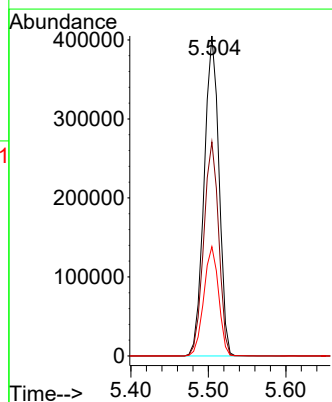
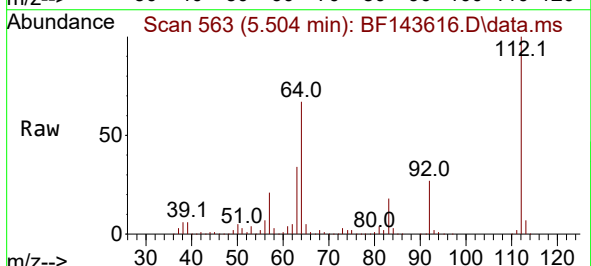
Instrument :
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TP3

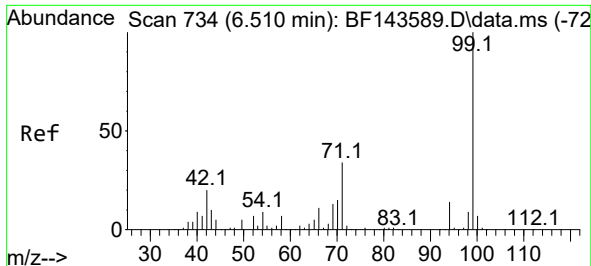
Tgt Ion:152 Resp: 101688
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 59.7 48.0 72.0



#5
2-Fluorophenol
Concen: 90.195 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:112 Resp: 538887
Ion Ratio Lower Upper
112 100
64 66.9 54.8 82.2
63 34.2 27.6 41.4

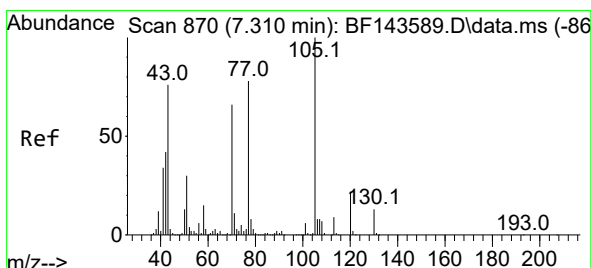
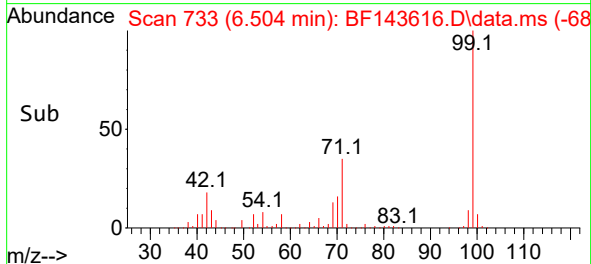
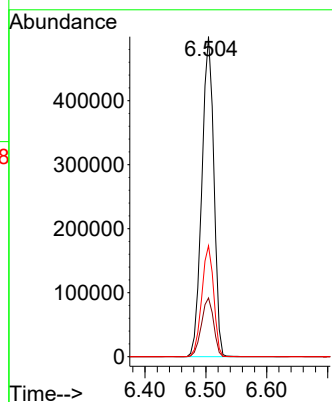
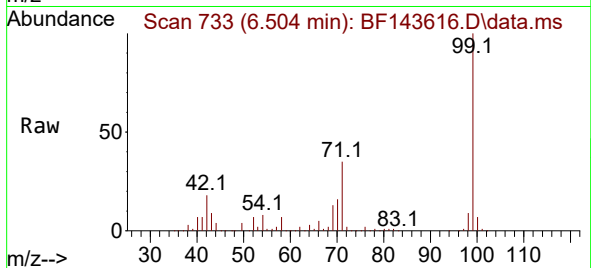




#7
Phenol-d6
Concen: 92.722 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

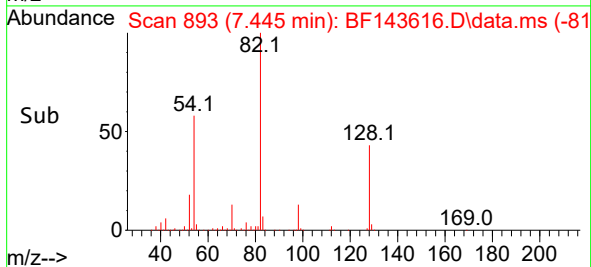
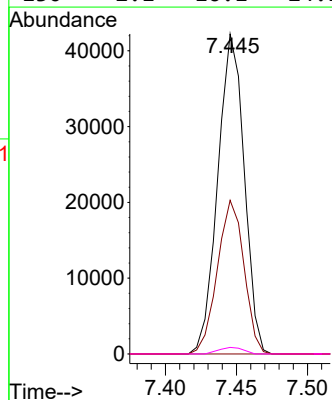
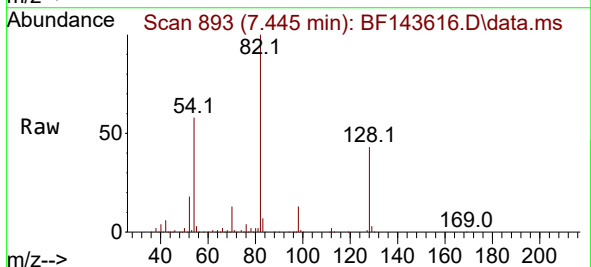
Instrument :
BNA_F
ClientSampleId :
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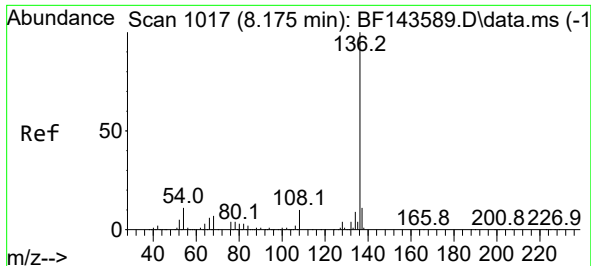
Tgt Ion: 99 Resp: 686148
Ion Ratio Lower Upper
99 100
42 18.4 15.9 23.9
71 34.6 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.641 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.136 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion: 70 Resp: 54572
Ion Ratio Lower Upper
70 100
42 48.0 50.6 75.8#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#

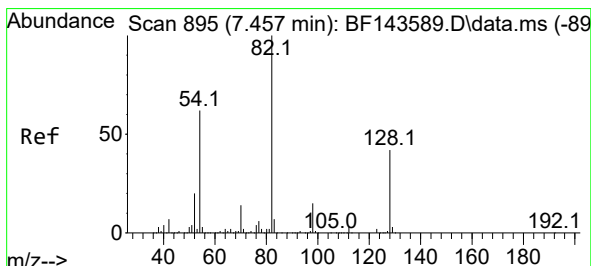
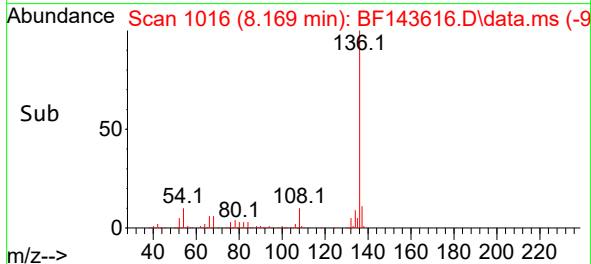
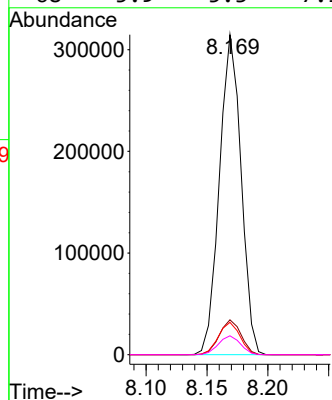
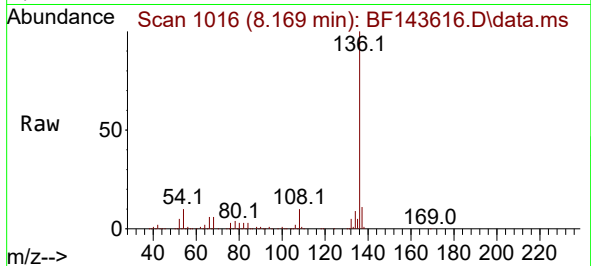




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

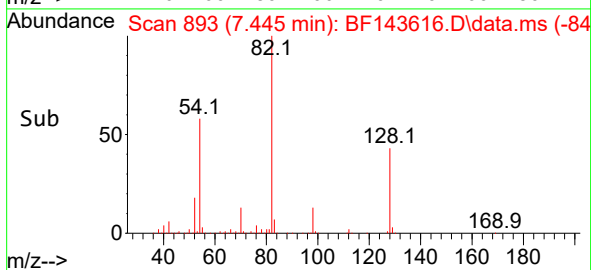
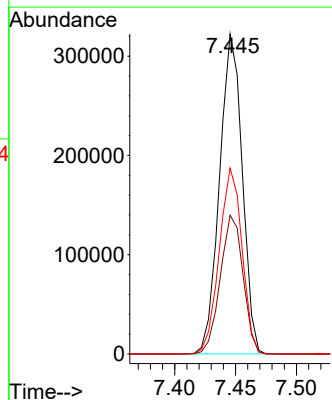
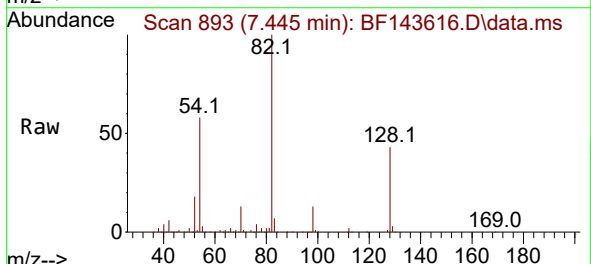
Instrument :
BNA_F
ClientSampleId :
TP3

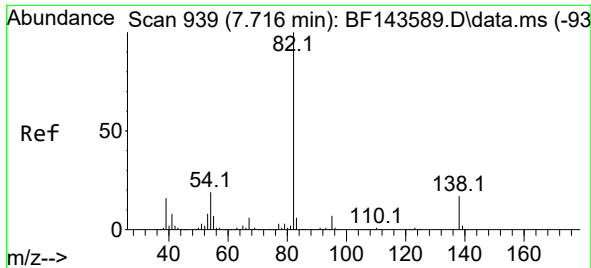
Tgt Ion:	136	Resp:	389756
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	9.0	13.6
68	5.9	5.3	7.9



#23
Nitrobenzene-d5
Concen: 76.581 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:	82	Resp:	418032
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.4	50.2
54	58.1	49.3	73.9

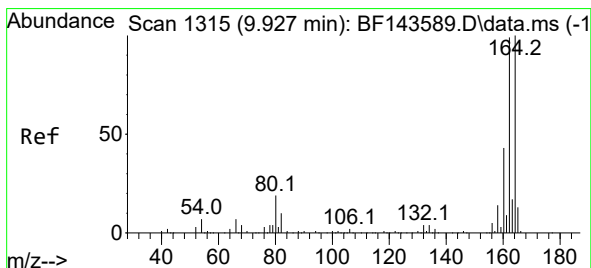
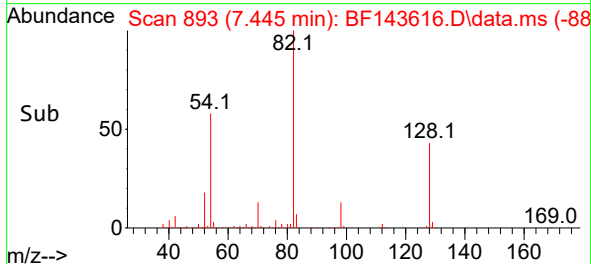
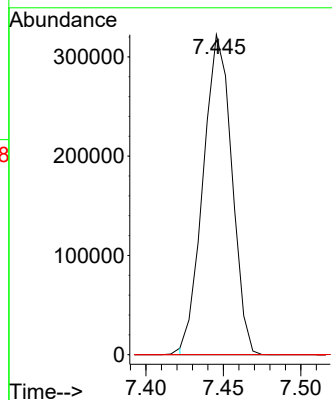
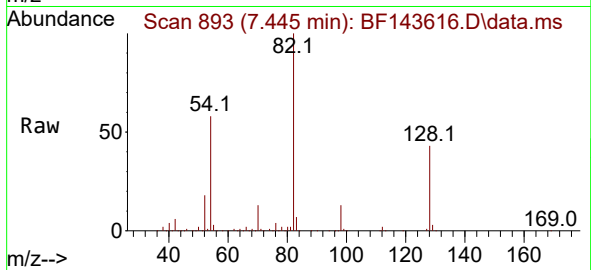




#25
Isophorone
Concen: 32.521 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

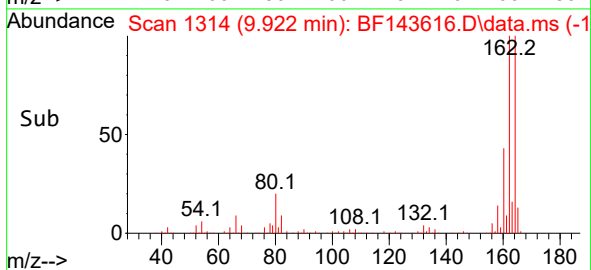
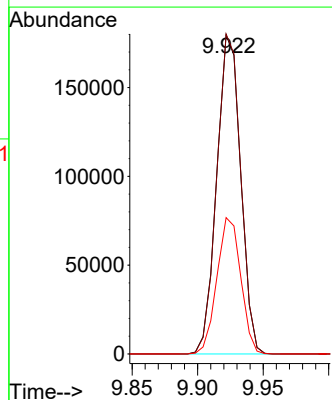
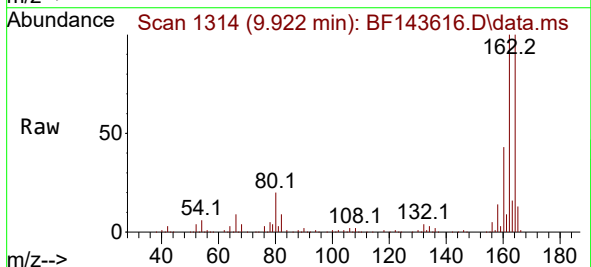
Instrument :
BNA_F
ClientSampleId :
TP3

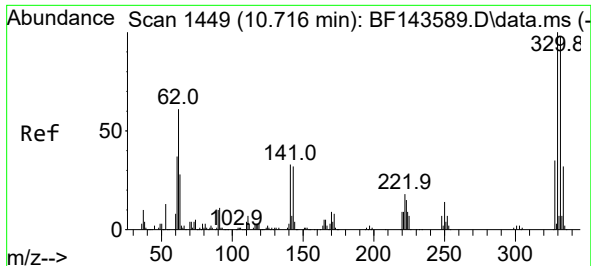
Tgt Ion: 82 Resp: 415430
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:164 Resp: 227550
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 42.7 34.2 51.4

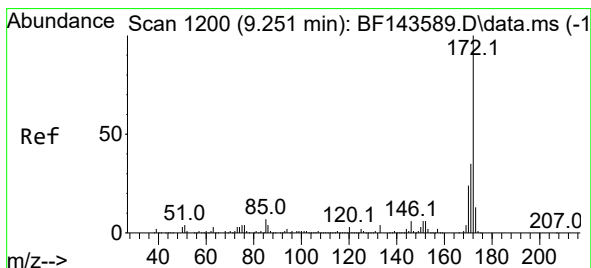
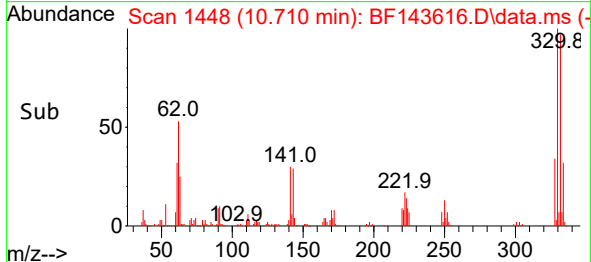
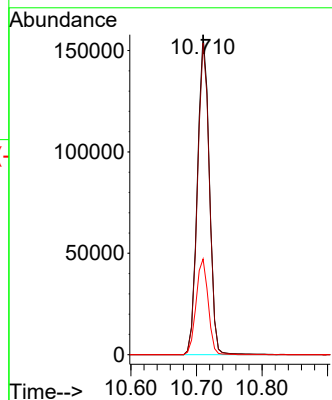
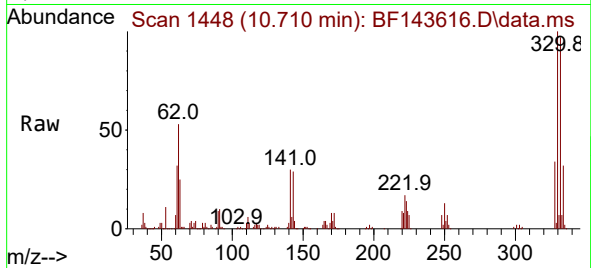




#42
2,4,6-Tribromophenol
Concen: 111.796 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

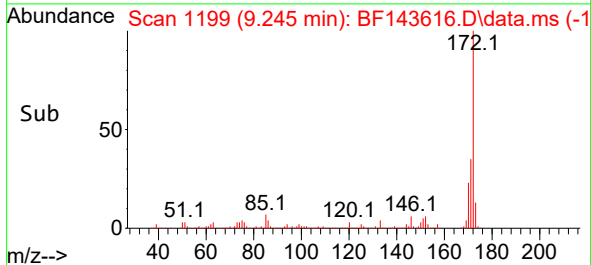
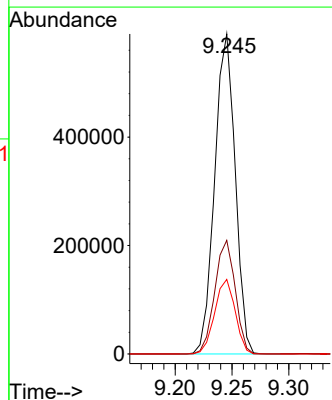
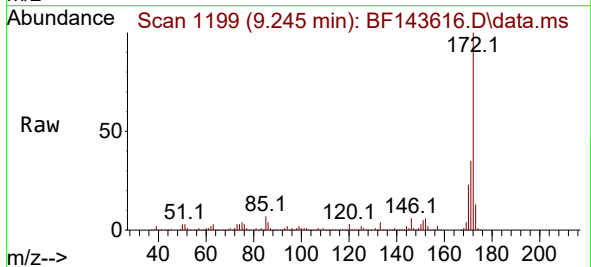
Instrument :
BNA_F
ClientSampleId :
TP3

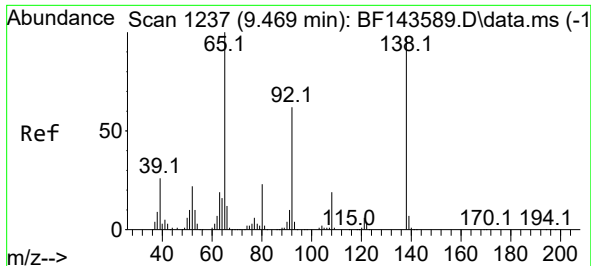
Tgt Ion:330 Resp: 198940
Ion Ratio Lower Upper
330 100
332 97.1 78.2 117.4
141 30.2 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 55.717 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:172 Resp: 741525
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.3 19.0 28.4

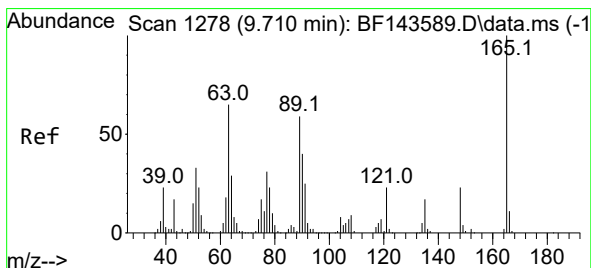
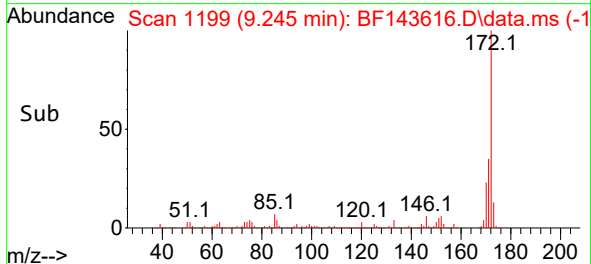
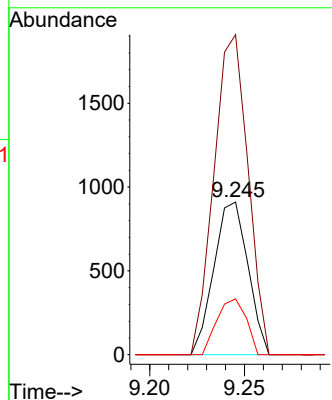
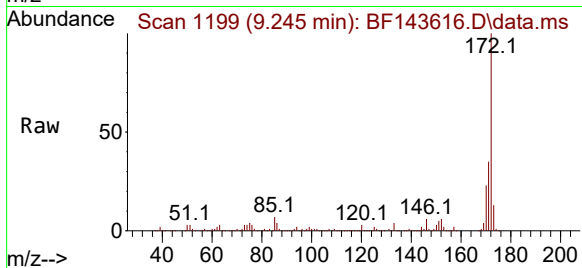




#48
2-Nitroaniline
Concen: 4.604 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

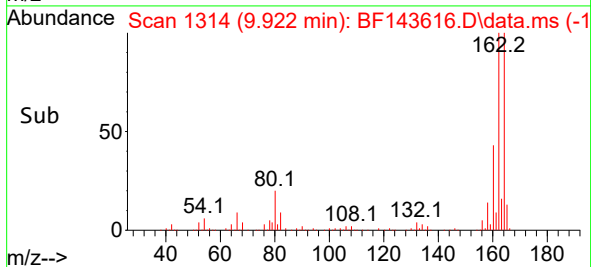
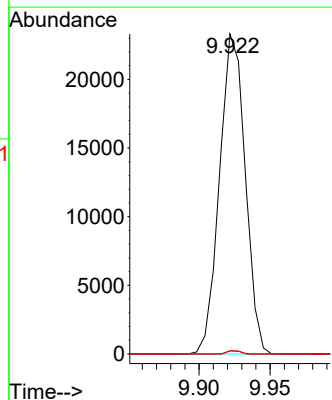
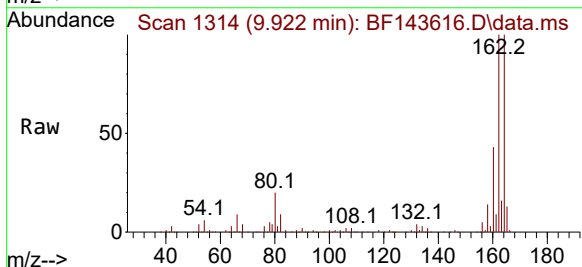
Instrument :
BNA_F
ClientSampleId :
TP3

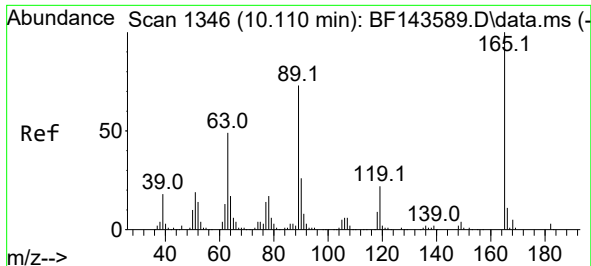
Tgt Ion: 65 Resp: 1139
Ion Ratio Lower Upper
65 100
92 209.5 49.6 74.4#
138 36.6 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 16.002 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion: 165 Resp: 29296
Ion Ratio Lower Upper
165 100
63 1.0 51.8 77.6#
89 0.9 47.4 71.2#

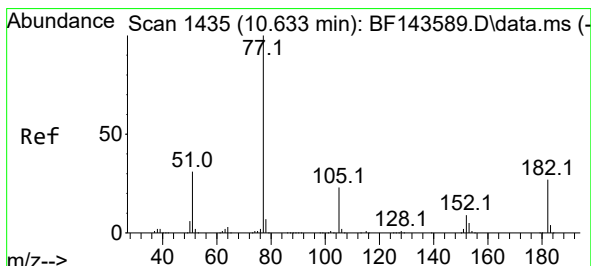
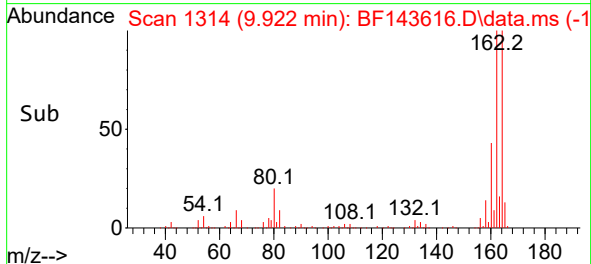
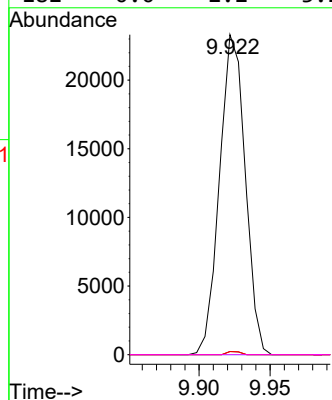
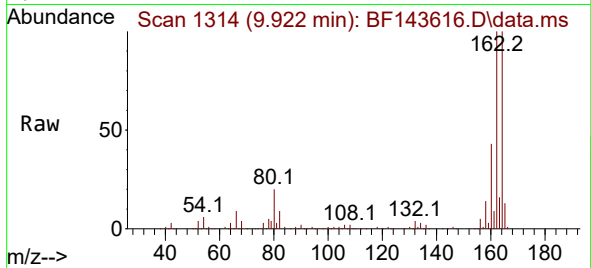




#57
2,4-Dinitrotoluene
Concen: 13.385 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

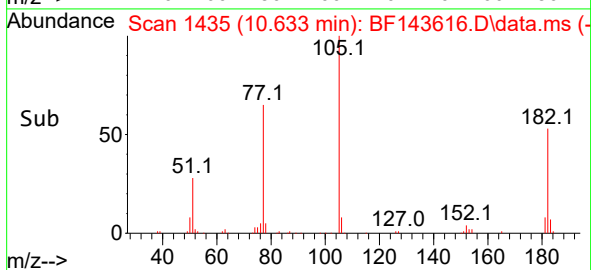
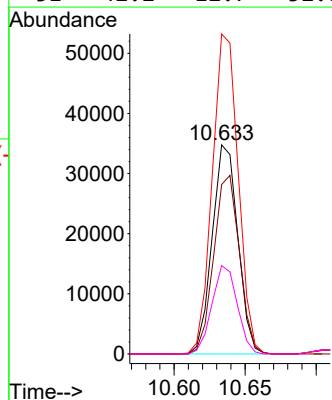
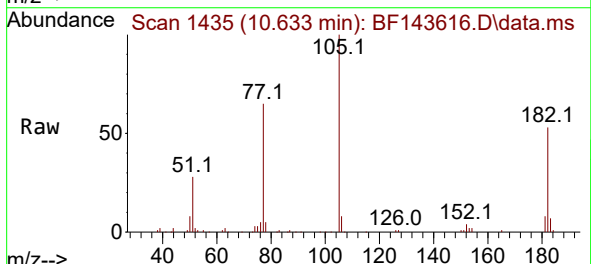
Instrument :
BNA_F
ClientSampleId :
TP3

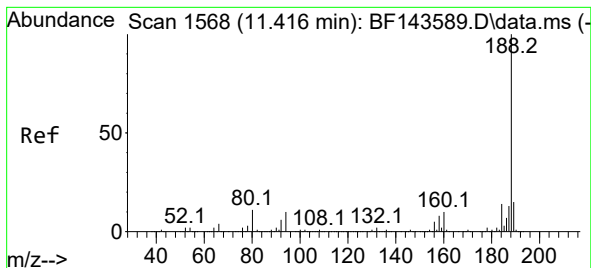
Tgt Ion:165 Resp: 29296
Ion Ratio Lower Upper
165 100
63 1.0 39.5 59.3#
89 0.9 58.1 87.1#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.282 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion: 77 Resp: 43644
Ion Ratio Lower Upper
77 100
182 81.0 6.3 46.3#
105 153.0 2.4 42.4#
51 42.2 12.7 52.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143616.D

Acq: 28 Aug 2025 18:13

Instrument :

BNA_F

ClientSampleId :

TP3

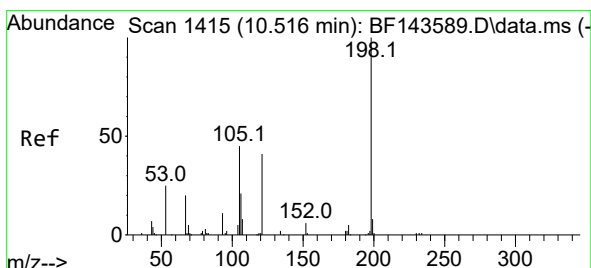
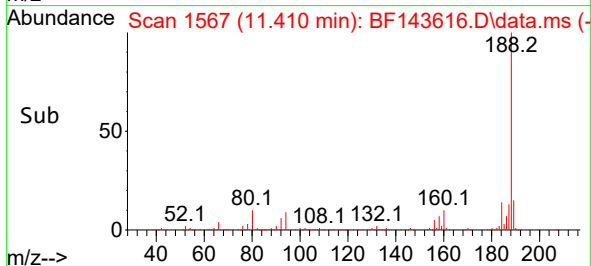
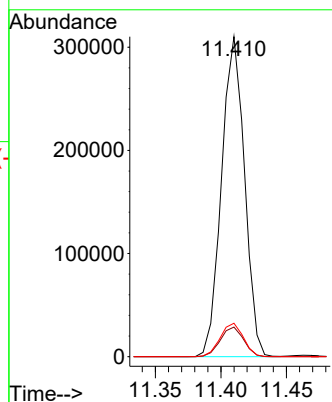
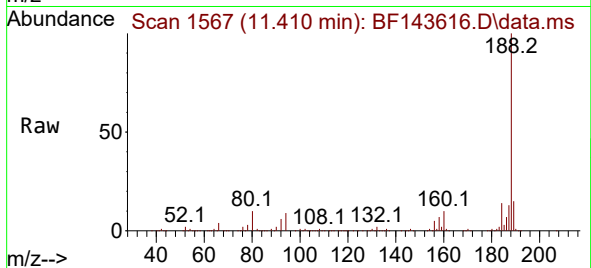
Tgt Ion:188 Resp: 377875

Ion Ratio Lower Upper

188 100

94 9.3 8.2 12.4

80 10.4 8.9 13.3



#65

4,6-Dinitro-2-methylphenol

Concen: 7.975 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143616.D

Acq: 28 Aug 2025 18:13

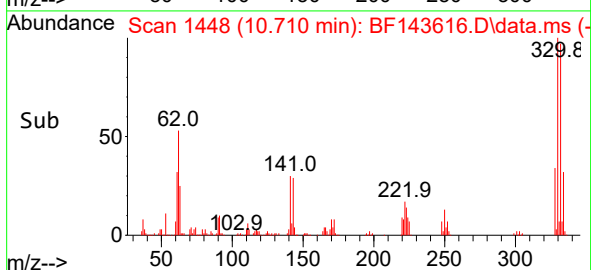
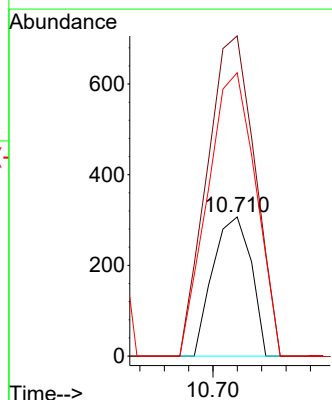
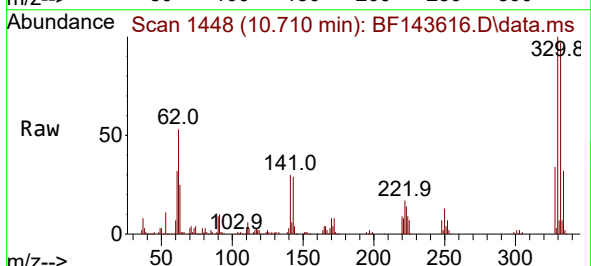
Tgt Ion:198 Resp: 336

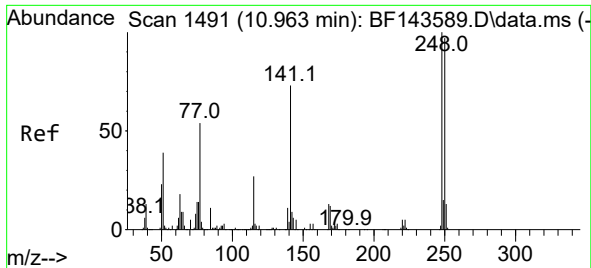
Ion Ratio Lower Upper

198 100

51 230.0 41.5 81.5#

105 203.6 28.2 68.2#

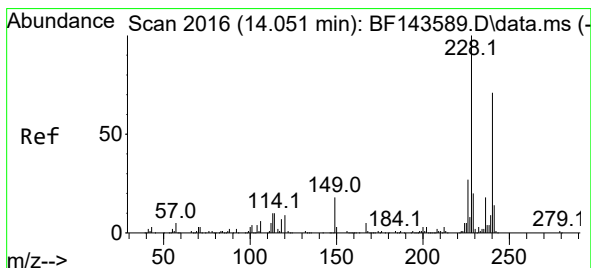
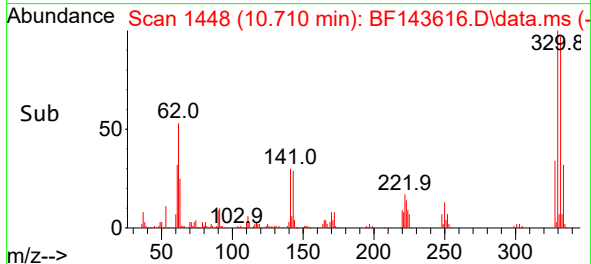
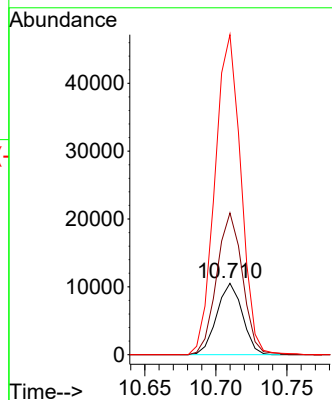
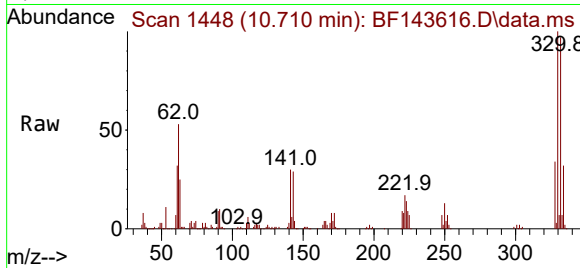




#67
4-Bromophenyl-phenylether
Concen: 3.228 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

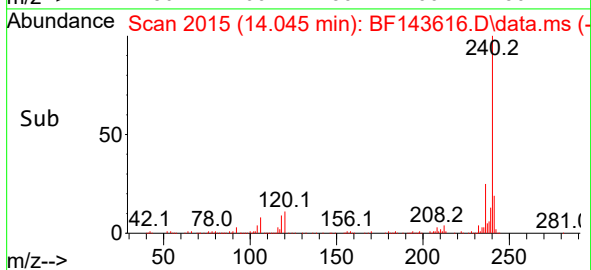
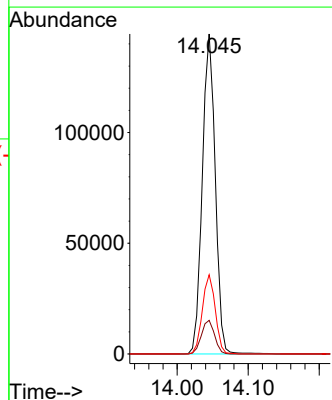
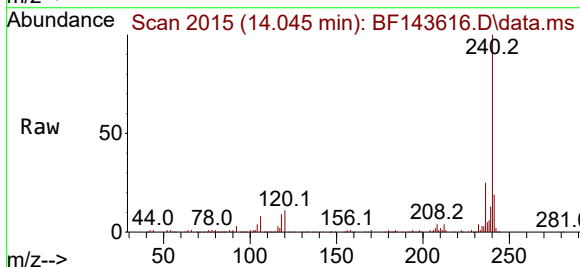
Instrument :
BNA_F
ClientSampleId :
TP3

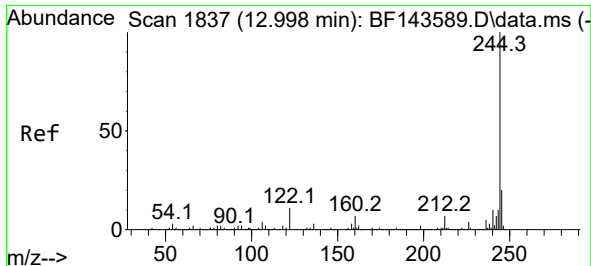
Tgt Ion:248 Resp: 13193
Ion Ratio Lower Upper
248 100
250 198.5 77.8 116.6#
141 448.2 58.5 87.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:240 Resp: 183751
Ion Ratio Lower Upper
240 100
120 10.5 9.6 14.4
236 24.8 20.2 30.2

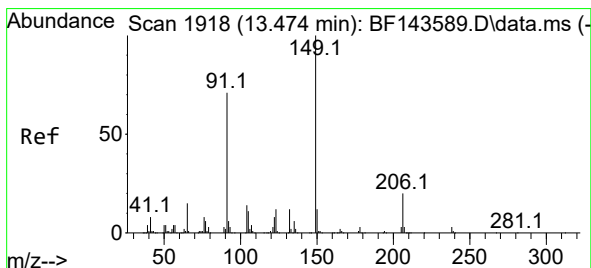
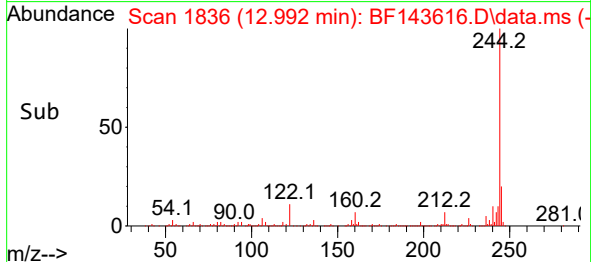
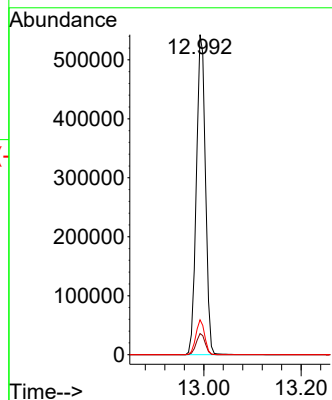
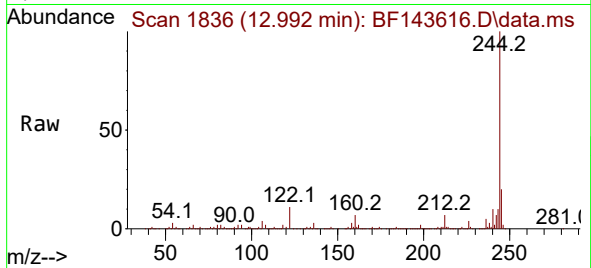




#79
Terphenyl-d14
Concen: 68.917 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

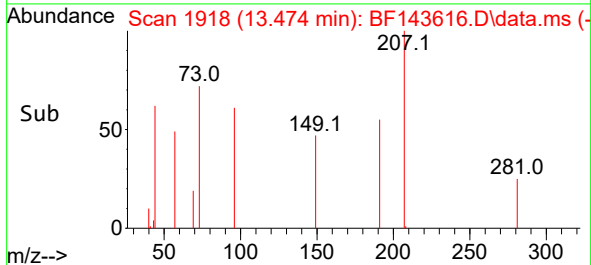
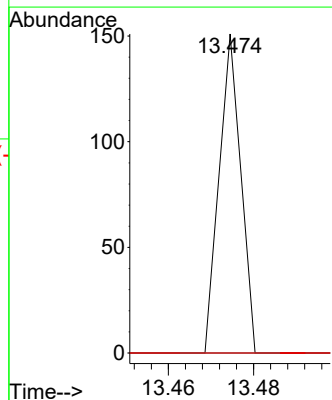
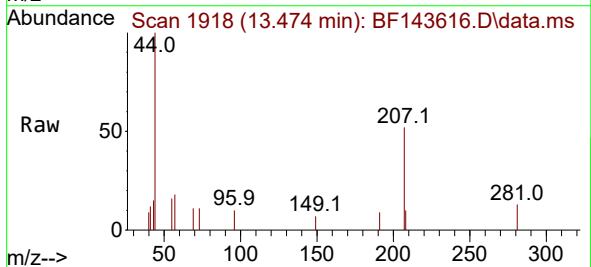
Instrument :
BNA_F
ClientSampleId :
TP3

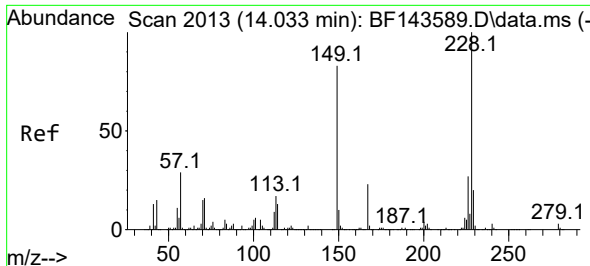
Tgt Ion:244 Resp: 705698
Ion Ratio Lower Upper
244 100
212 6.6 5.5 8.3
122 10.9 8.8 13.2



#80
Butylbenzylphthalate
Concen: 3.679 ng
RT: 13.474 min Scan# 1918
Delta R.T. 0.000 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Tgt Ion:149 Resp: 53
Ion Ratio Lower Upper
149 100
91 0.0 56.8 85.2#
206 0.0 16.2 24.2#

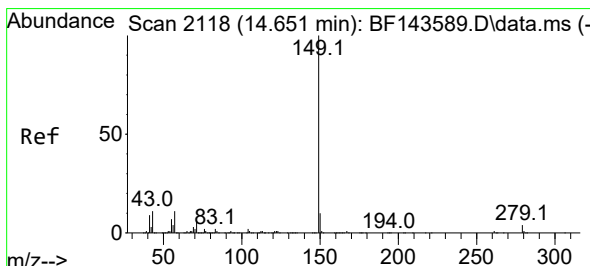
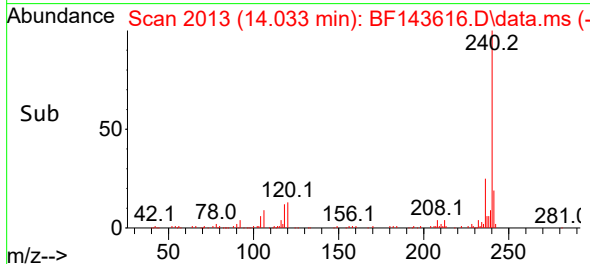
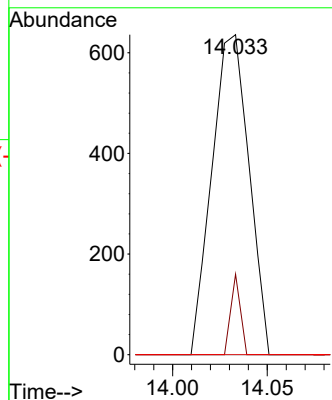
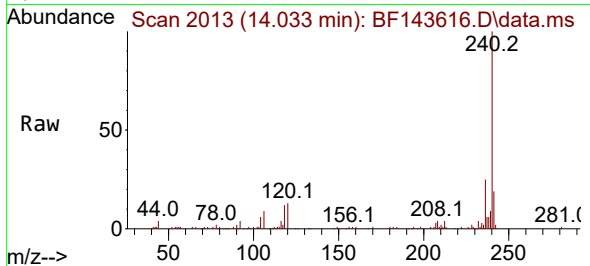




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.381 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: BF143616.D
 Acq: 28 Aug 2025 18:13

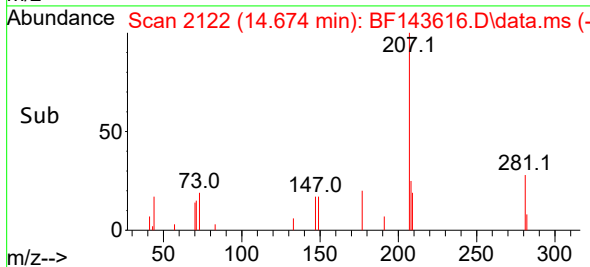
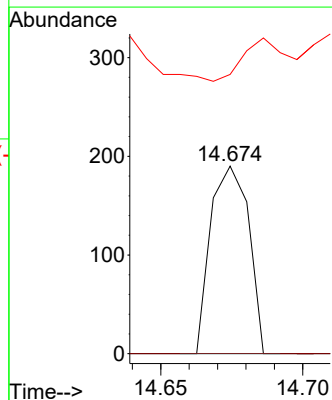
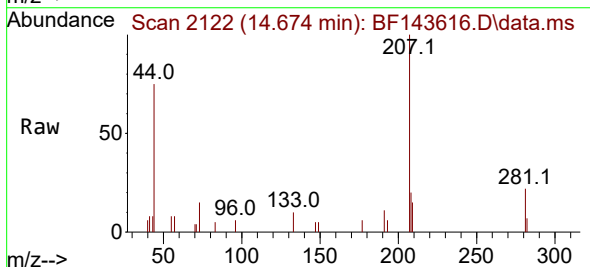
Instrument :
 BNA_F
 ClientSampleId :
 TP3

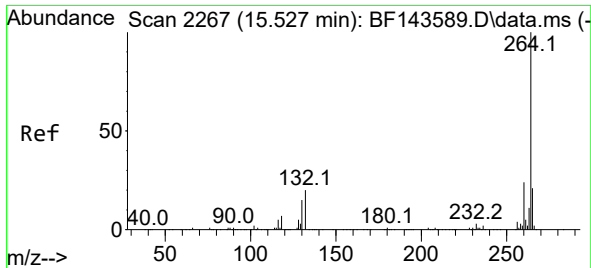
Tgt Ion:149 Resp: 866
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.8 32.8
 279 0.0 2.9 4.3#



#85
 Di-n-octyl phthalate
 Concen: 5.882 ng
 RT: 14.674 min Scan# 2122
 Delta R.T. 0.023 min
 Lab File: BF143616.D
 Acq: 28 Aug 2025 18:13

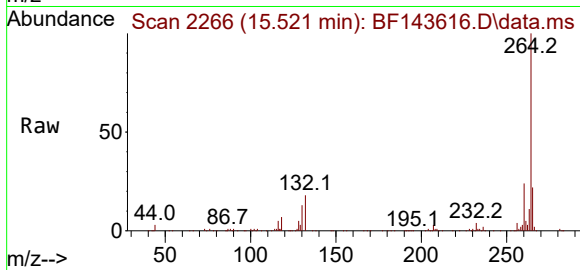
Tgt Ion:149 Resp: 177
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 9.5 14.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143616.D
Acq: 28 Aug 2025 18:13

Instrument :
BNA_F
ClientSampleId :
TP3



Tgt Ion:264 Resp: 186674
Ion Ratio Lower Upper
264 100
260 23.8 18.9 28.3
265 21.9 17.0 25.4

