

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143619.D
 Acq On : 28 Aug 2025 19:42
 Operator : RC/JU
 Sample : Q2971-25
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7

Quant Time: Aug 29 01:09:42 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

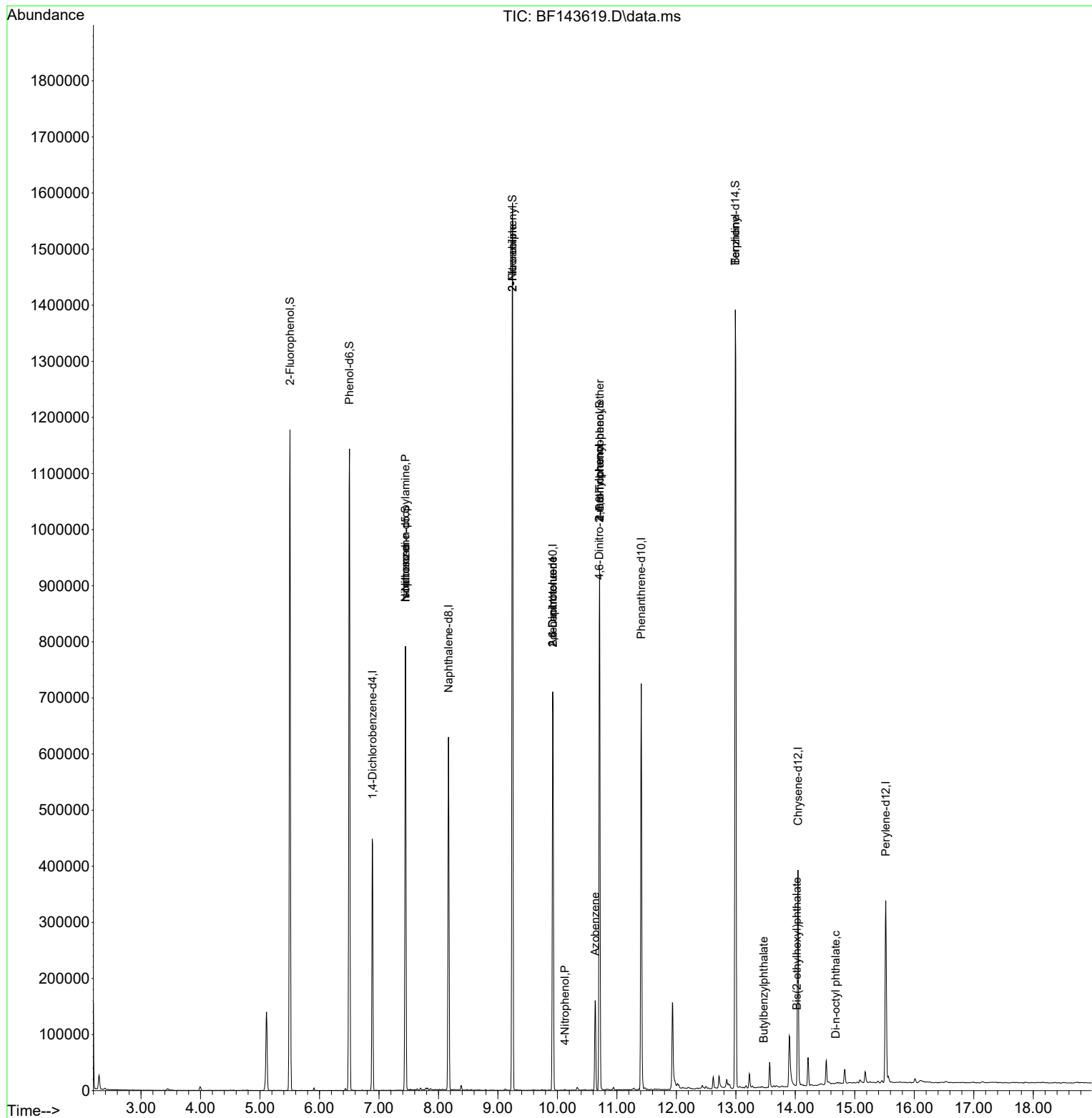
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98698	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	380525	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	218063	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	362907	20.000	ng	0.00
76) Chrysene-d12	14.045	240	180809	20.000	ng	0.00
86) Perylene-d12	15.521	264	188648	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	428490	73.890	ng	0.00
7) Phenol-d6	6.504	99	545575	75.959	ng	0.00
23) Nitrobenzene-d5	7.445	82	332042	62.304	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	156655	91.864	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	693466	54.372	ng	0.00
79) Terphenyl-d14	12.992	244	681547	67.642	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	42929	9.435	ng	# 76
25) Isophorone	7.445	82	330152	26.472	ng	# 66
48) 2-Nitroaniline	9.245	65	1197	4.633	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	26673	15.442	ng	# 21
56) 4-Nitrophenol	10.128	139	126	5.337	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	26673	12.959	ng	# 22
63) Azobenzene	10.633	77	40225	3.156	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.704	198	316	7.970	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9896	2.521	ng	# 1
77) Benzidine	12.992	184	8431	2.025	ng	# 94
80) Butylbenzylphthalate	13.469	149	57	3.680	ng	# 23
84) Bis(2-ethylhexyl)phtha...	14.027	149	925	3.394	ng	# 98
85) Di-n-octyl phthalate	14.680	149	130	5.878	ng	# 72

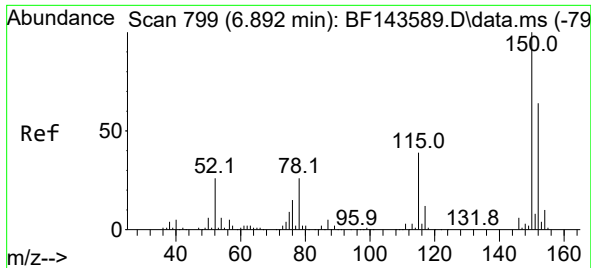
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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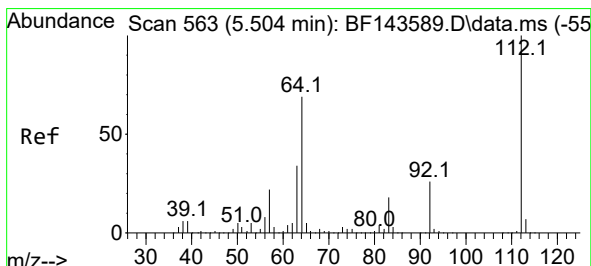
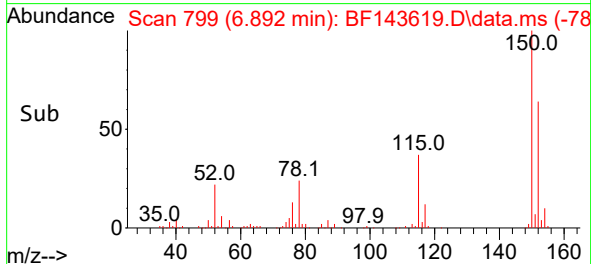
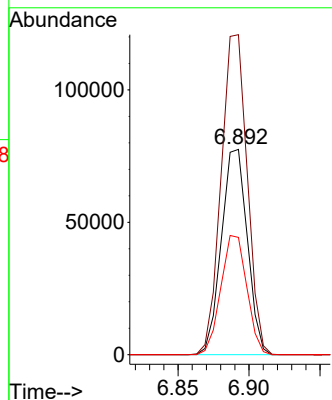
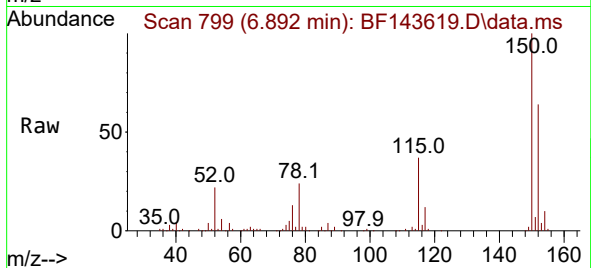




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

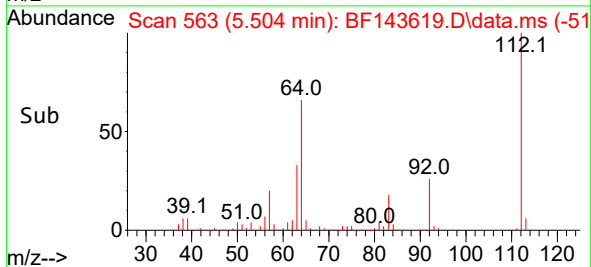
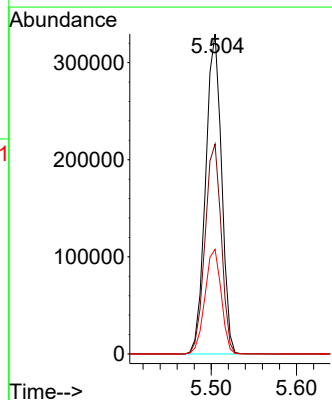
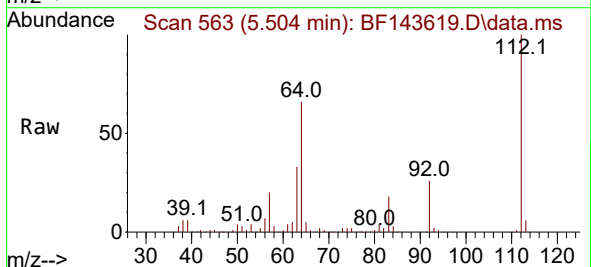
Instrument :
BNA_F
ClientSampleId :
TP7

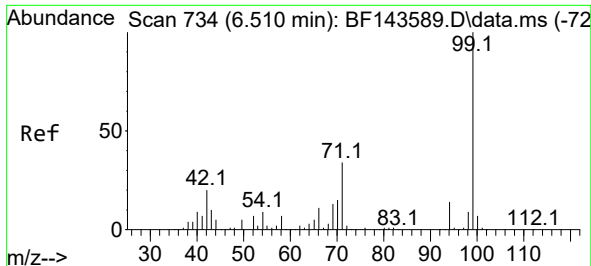
Tgt Ion:152 Resp: 98698
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 57.1 48.0 72.0



#5
2-Fluorophenol
Concen: 73.890 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:112 Resp: 428490
Ion Ratio Lower Upper
112 100
64 65.6 54.8 82.2
63 32.7 27.6 41.4

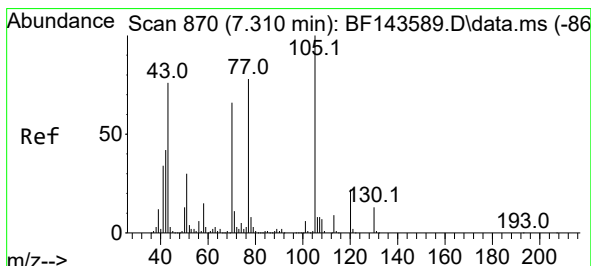
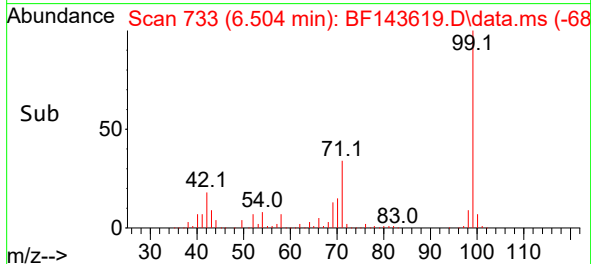
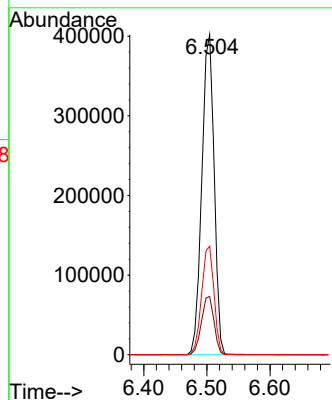
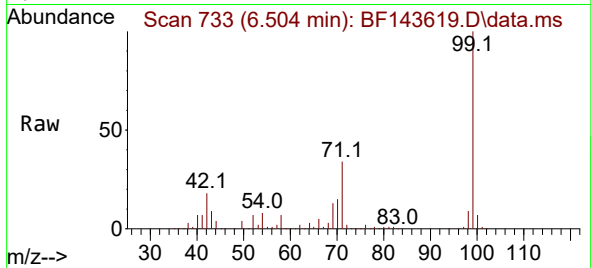




#7
Phenol-d6
Concen: 75.959 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

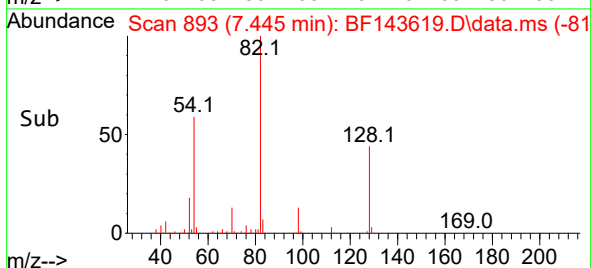
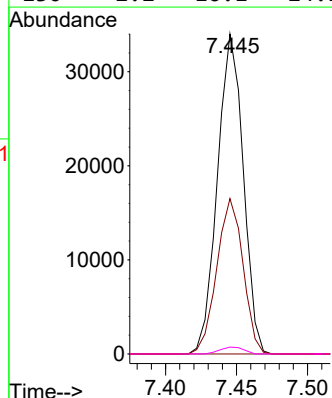
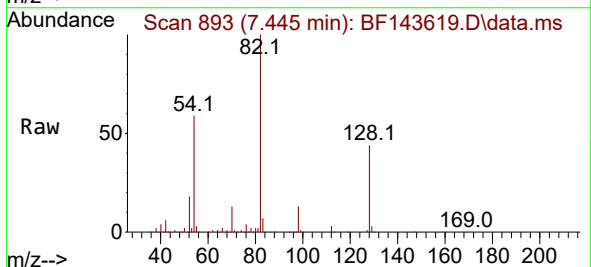
Instrument :
BNA_F
ClientSampleId :
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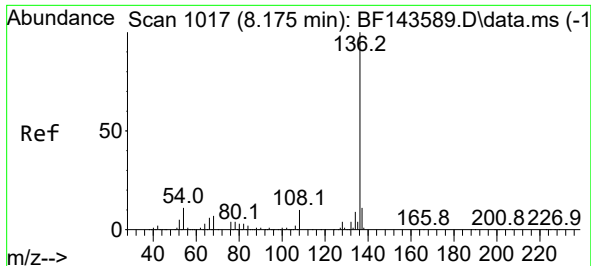
Tgt Ion: 99 Resp: 545575
Ion Ratio Lower Upper
99 100
42 18.2 15.9 23.9
71 33.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.435 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion: 70 Resp: 42929
Ion Ratio Lower Upper
70 100
42 48.6 50.6 75.8#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

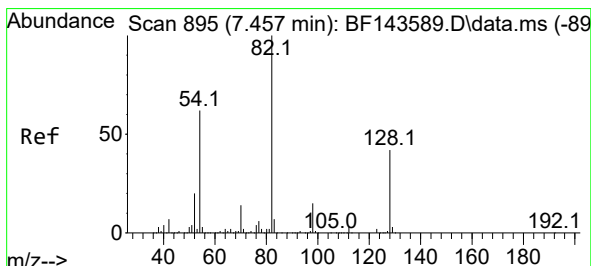
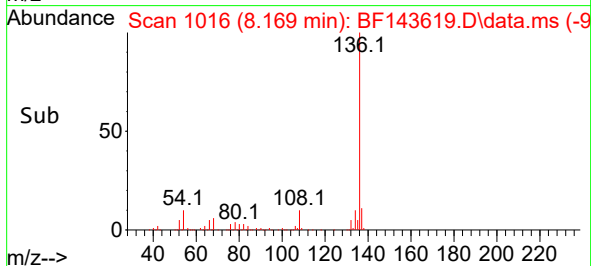
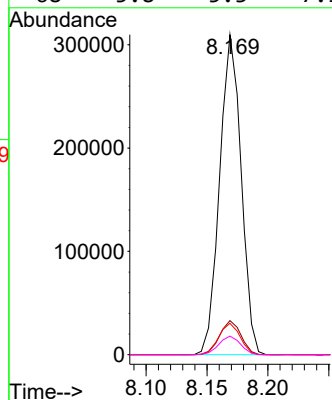
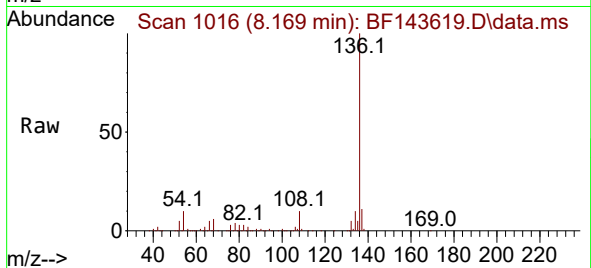




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

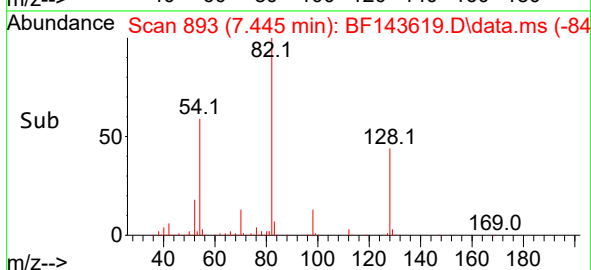
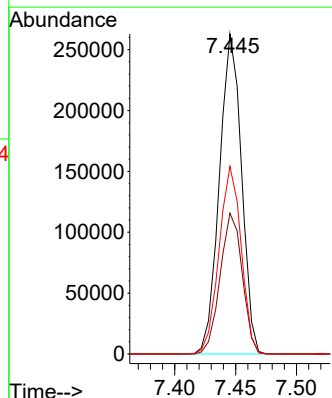
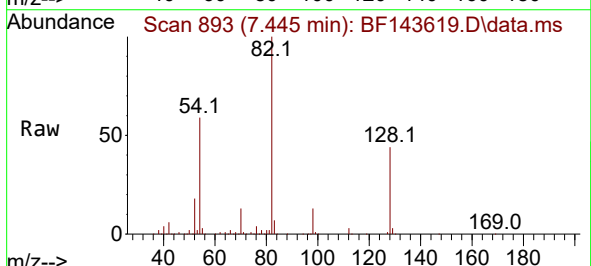
Instrument :
BNA_F
ClientSampleId :
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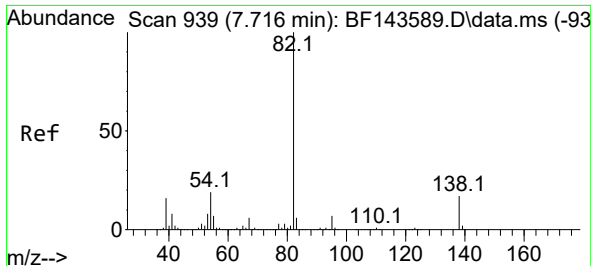
Tgt Ion:	136	Resp:	380525
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.8	9.0	13.6
68	5.8	5.3	7.9



#23
Nitrobenzene-d5
Concen: 62.304 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:	82	Resp:	332042
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.4	50.2
54	58.6	49.3	73.9

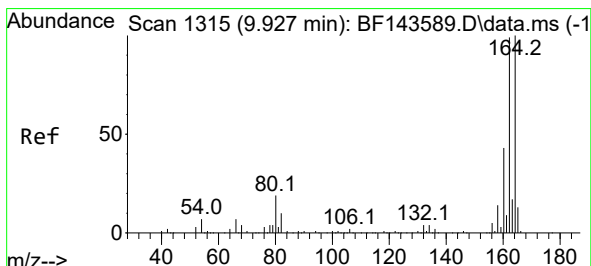
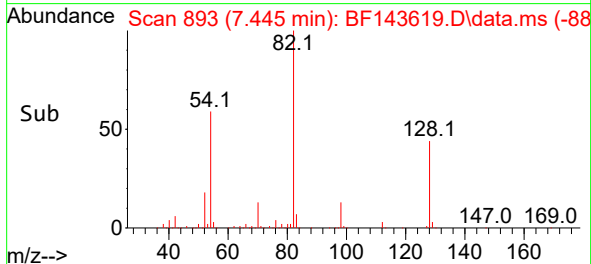
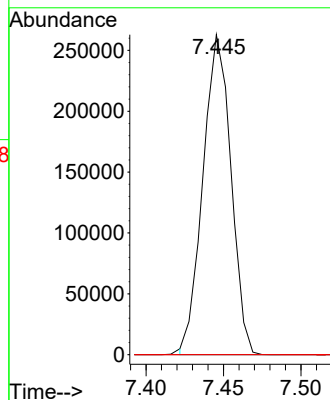
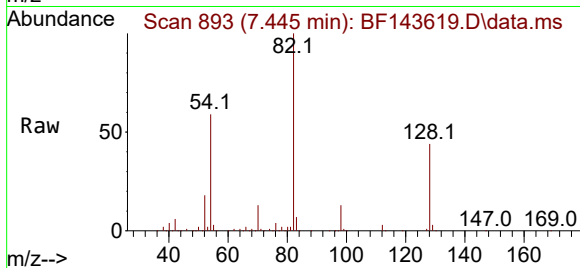




#25
Isophorone
Concen: 26.472 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

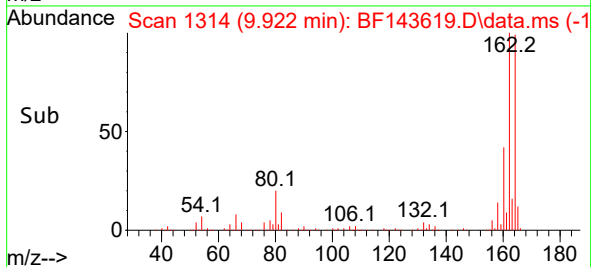
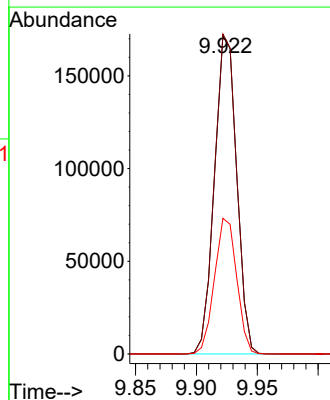
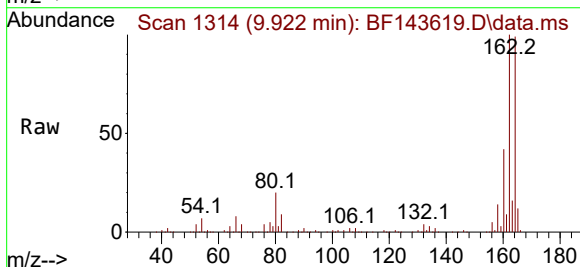
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ClientSampleId :
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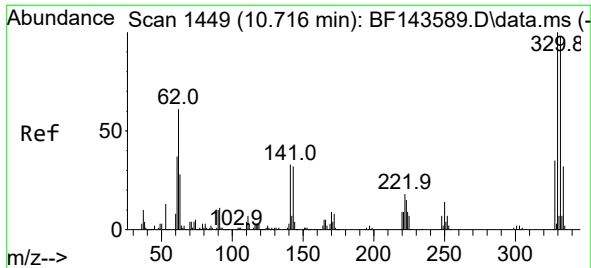
Tgt Ion: 82 Resp: 330152
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:164 Resp: 218063
Ion Ratio Lower Upper
164 100
162 100.6 79.5 119.3
160 42.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 91.864 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143619.D

Acq: 28 Aug 2025 19:42

Instrument :

BNA_F

ClientSampleId :

TP7

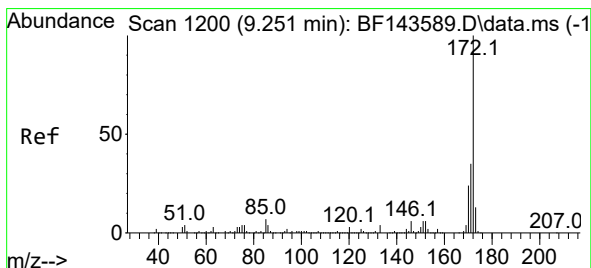
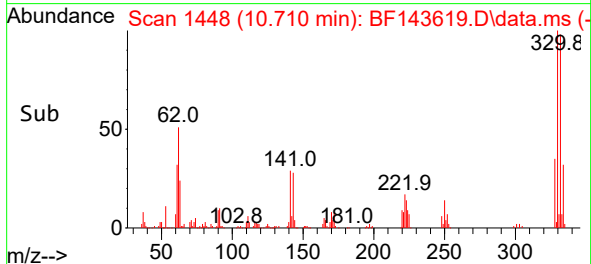
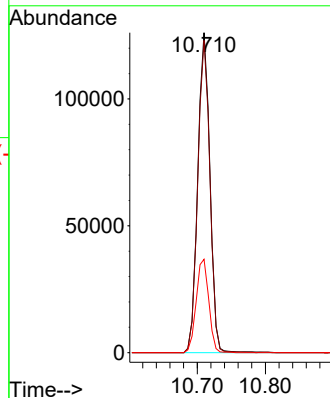
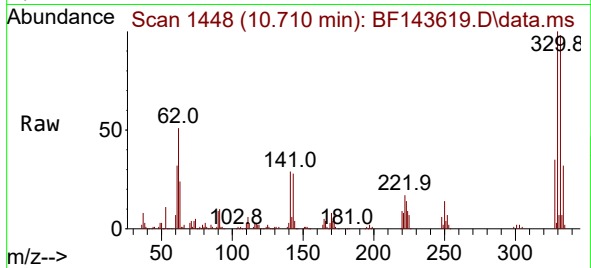
Tgt Ion:330 Resp: 156655

Ion Ratio Lower Upper

330 100

332 97.2 78.2 117.4

141 30.1 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 54.372 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143619.D

Acq: 28 Aug 2025 19:42

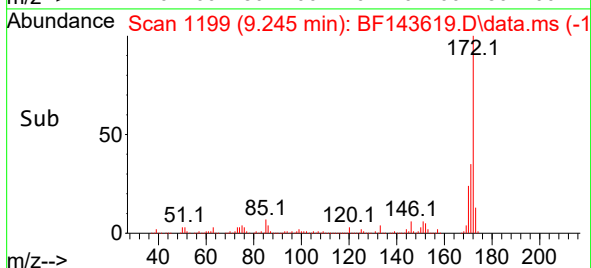
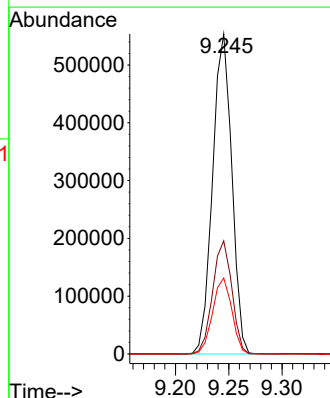
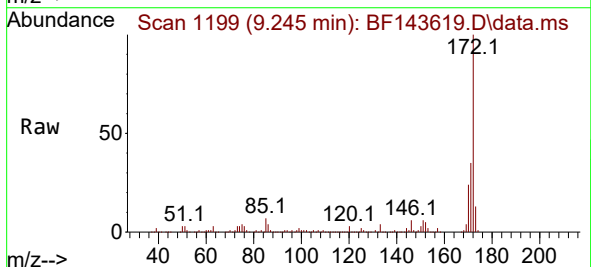
Tgt Ion:172 Resp: 693466

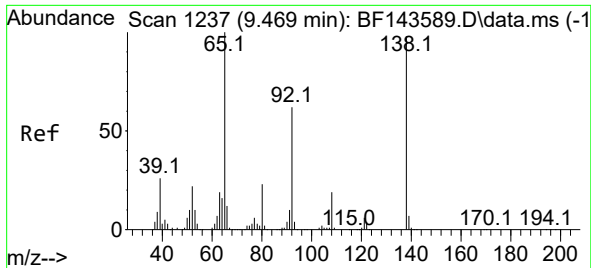
Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.8 19.0 28.4

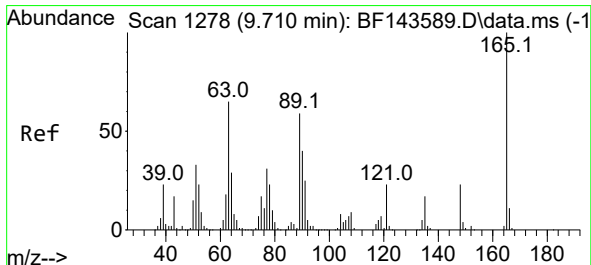
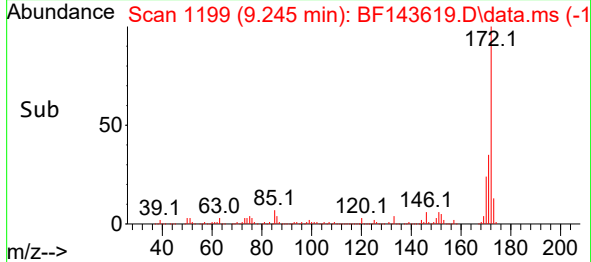
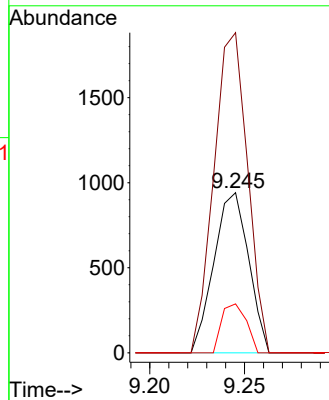
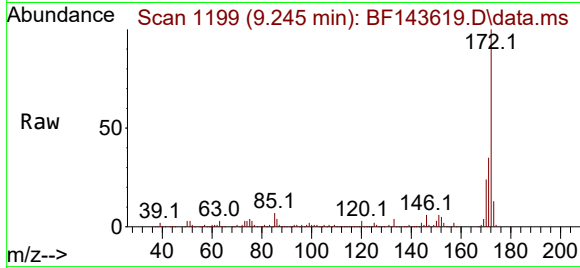




#48
2-Nitroaniline
Concen: 4.633 ng
RT: 9.245 min Scan# 1197
Delta R.T. -0.224 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

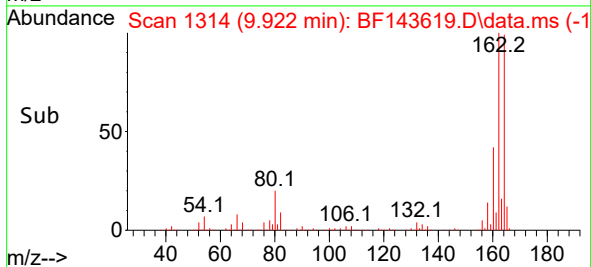
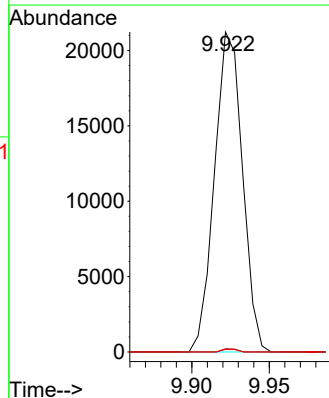
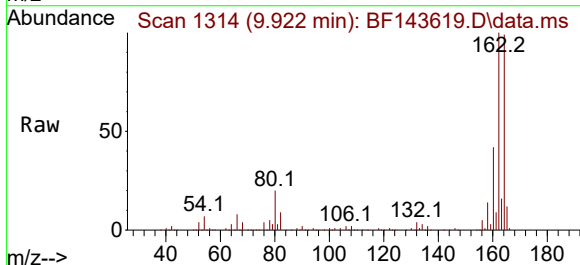
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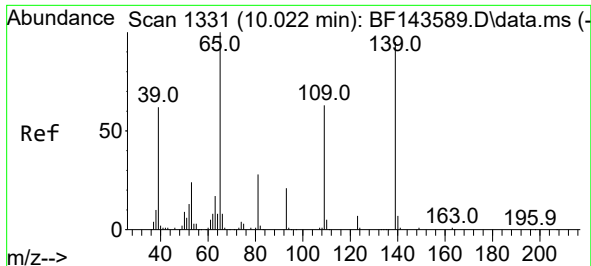
Tgt Ion: 65 Resp: 1197
Ion Ratio Lower Upper
65 100
92 200.0 49.6 74.4#
138 30.5 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 15.442 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:165 Resp: 26673
Ion Ratio Lower Upper
165 100
63 1.0 51.8 77.6#
89 0.8 47.4 71.2#

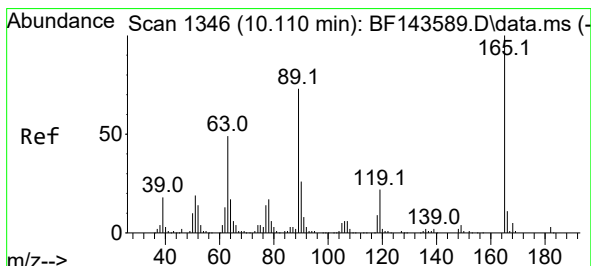
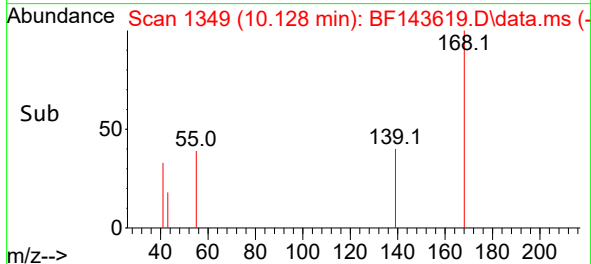
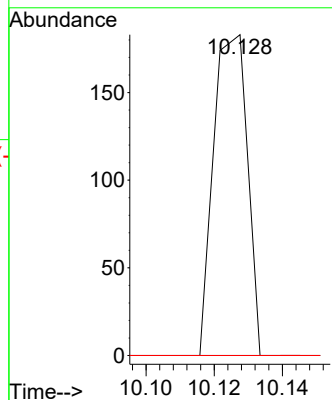
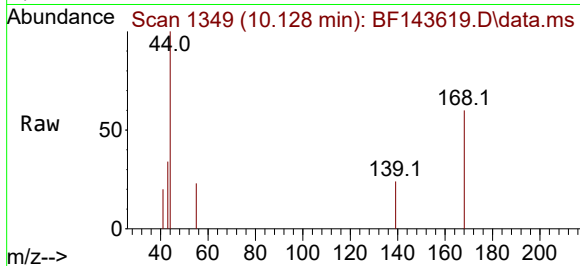




#56
4-Nitrophenol
Concen: 5.337 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.106 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

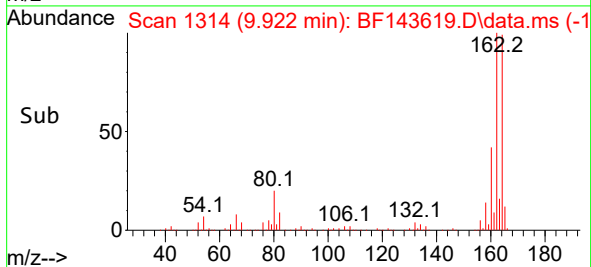
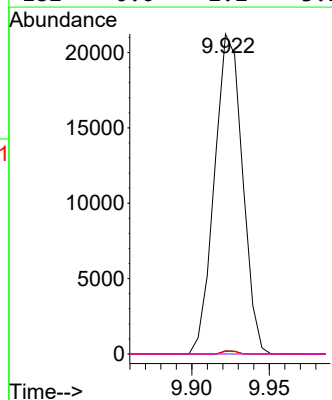
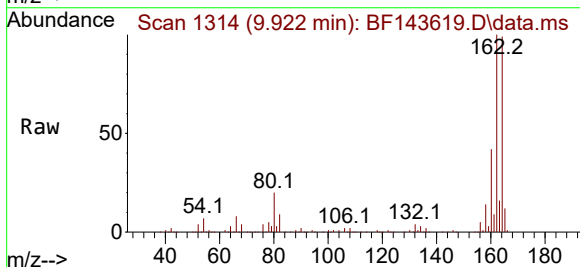
Instrument :
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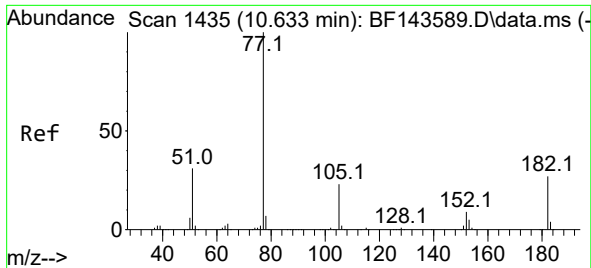
Tgt Ion:139 Resp: 126
Ion Ratio Lower Upper
139 100
109 0.0 47.3 87.3#
65 0.0 86.8 126.8#



#57
2,4-Dinitrotoluene
Concen: 12.959 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:165 Resp: 26673
Ion Ratio Lower Upper
165 100
63 1.0 39.5 59.3#
89 0.8 58.1 87.1#
182 0.0 2.2 3.2#



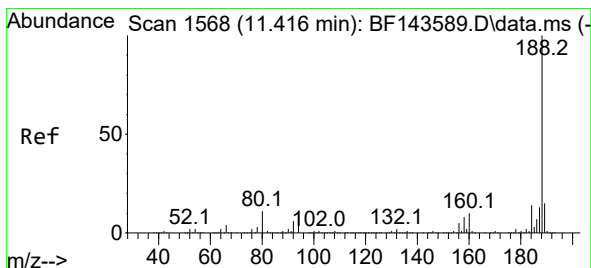
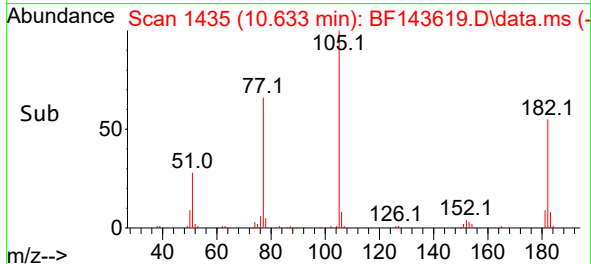
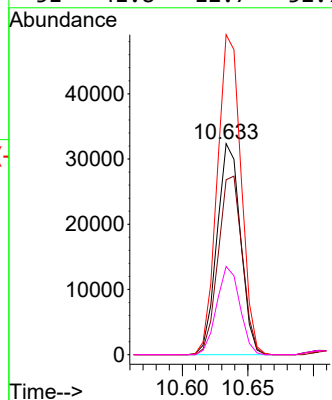
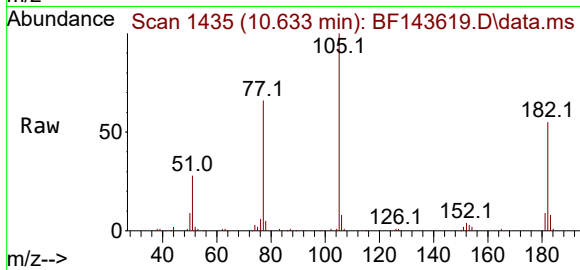


#63
 Azobenzene
 Concen: 3.156 ng
 RT: 10.633 min Scan# 1435
 Delta R.T. 0.000 min
 Lab File: BF143619.D
 Acq: 28 Aug 2025 19:42

Instrument :
 BNA_F
 ClientSampleId :
 TP7

Tgt Ion: 77 Resp: 40225

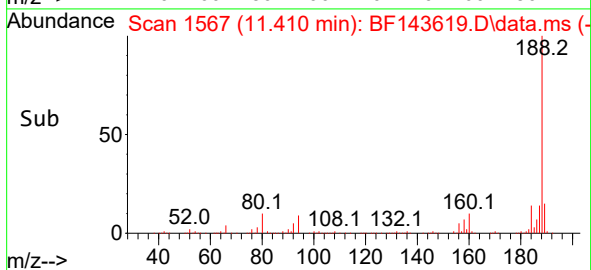
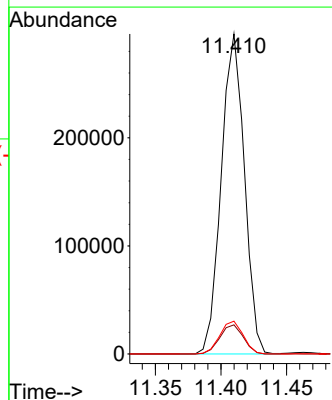
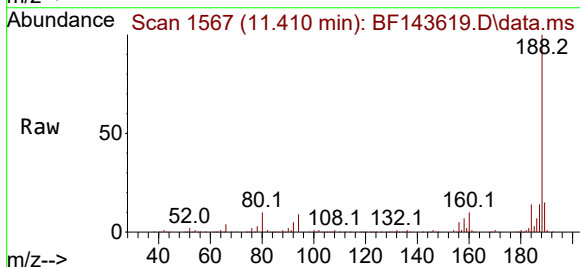
Ion	Ratio	Lower	Upper
77	100		
182	82.9	6.3	46.3#
105	151.7	2.4	42.4#
51	41.8	12.7	52.7

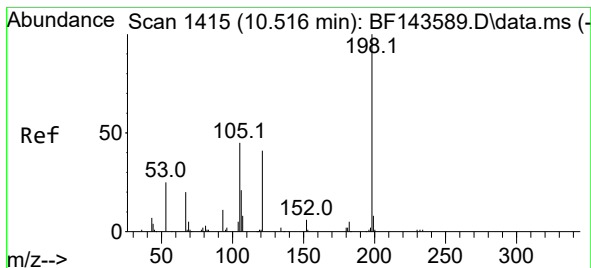


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143619.D
 Acq: 28 Aug 2025 19:42

Tgt Ion: 188 Resp: 362907

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.4
80	10.2	8.9	13.3

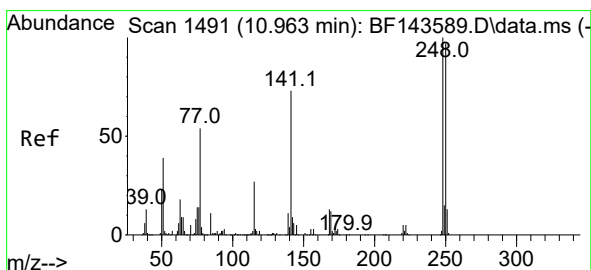
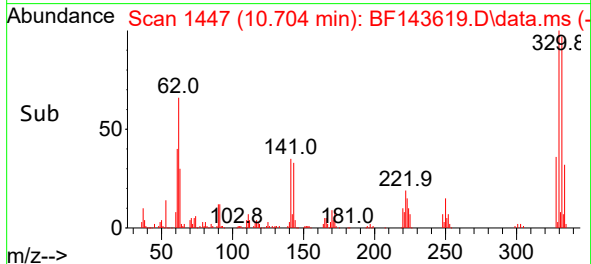
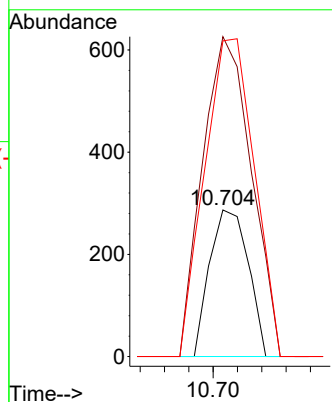
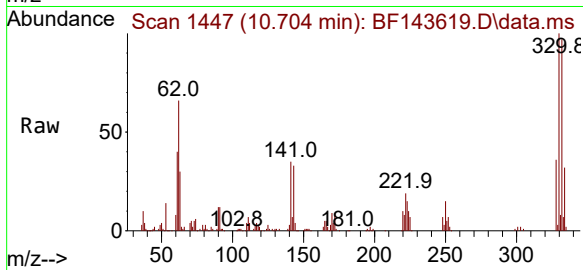




#65
4,6-Dinitro-2-methylphenol
Concen: 7.970 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.188 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

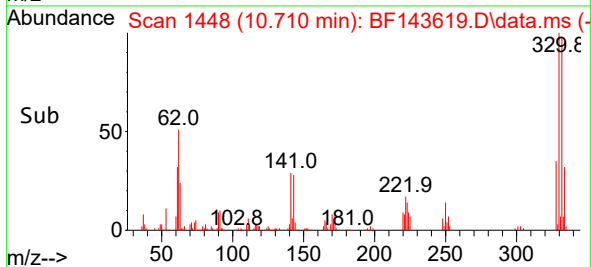
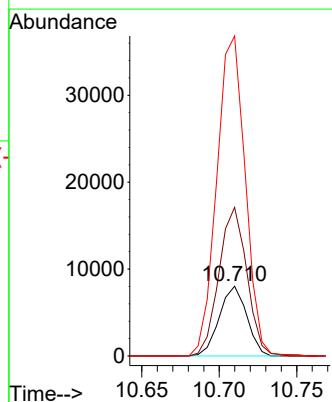
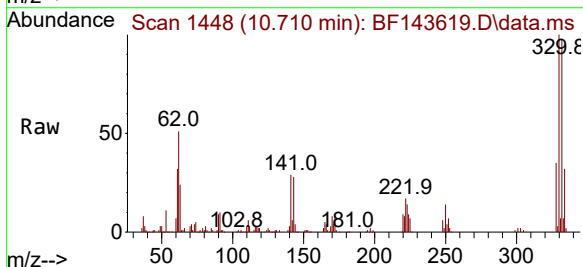
Instrument :
BNA_F
ClientSampleId :
TP7

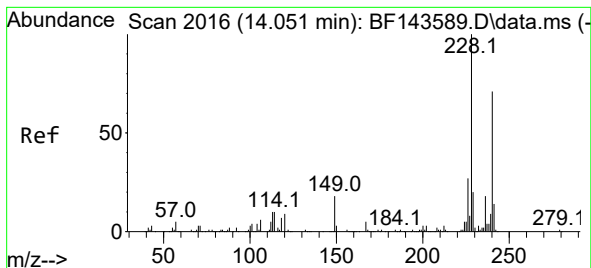
Tgt Ion:198 Resp: 316
Ion Ratio Lower Upper
198 100
51 218.1 41.5 81.5#
105 215.3 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 2.521 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Tgt Ion:248 Resp: 9896
Ion Ratio Lower Upper
248 100
250 213.0 77.8 116.6#
141 458.4 58.5 87.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143619.D

Acq: 28 Aug 2025 19:42

Instrument :

BNA_F

ClientSampleId :

TP7

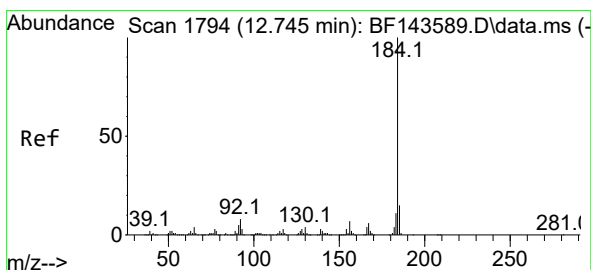
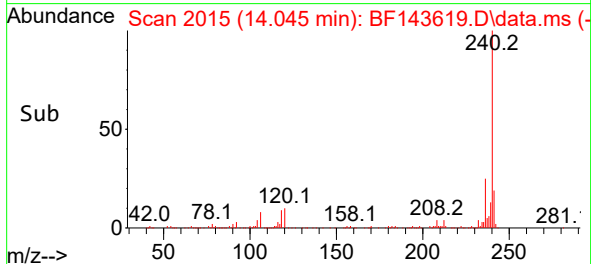
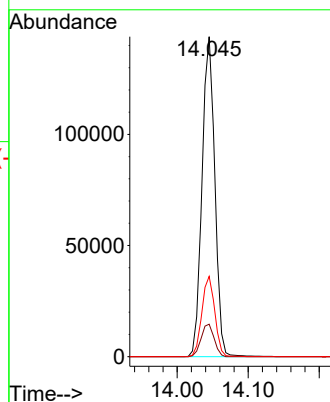
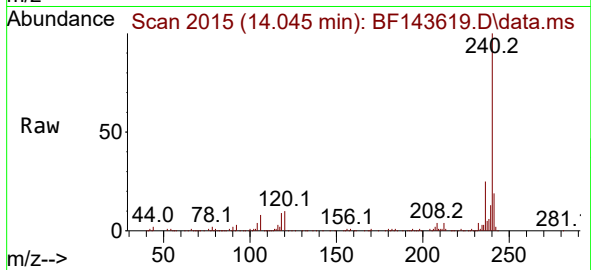
Tgt Ion:240 Resp: 180809

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

236 25.1 20.2 30.2



#77

Benidine

Concen: 2.025 ng

RT: 12.992 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF143619.D

Acq: 28 Aug 2025 19:42

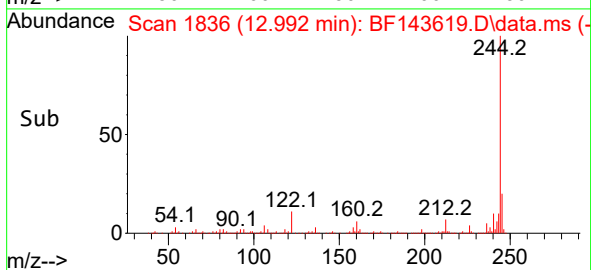
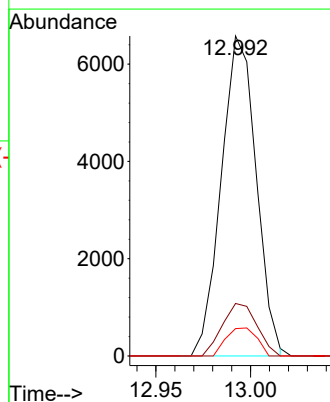
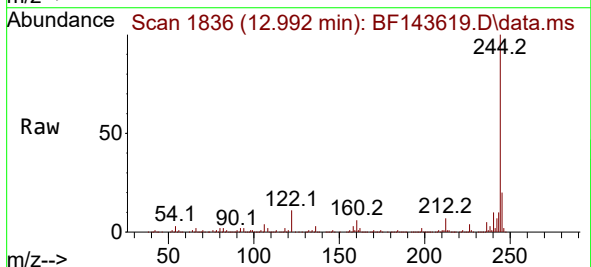
Tgt Ion:184 Resp: 8431

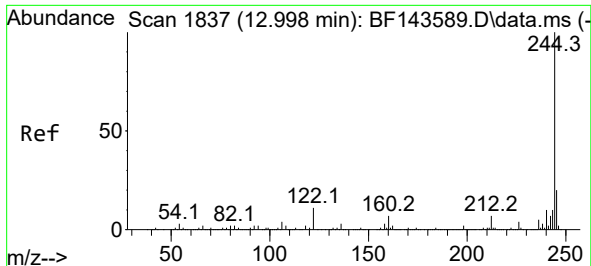
Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.6

183 8.6 9.1 13.7#

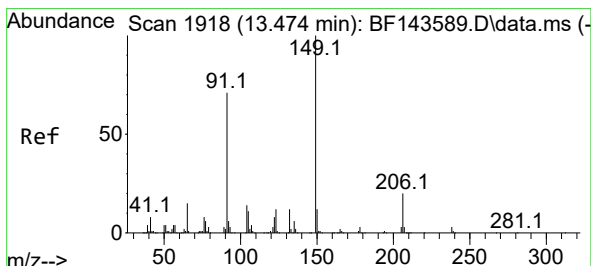
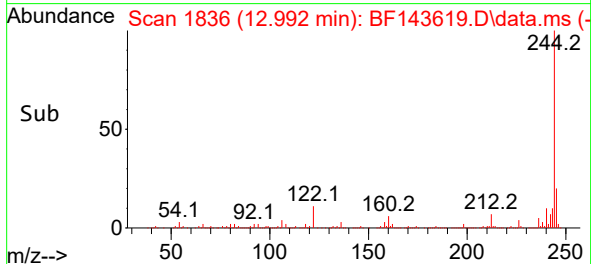
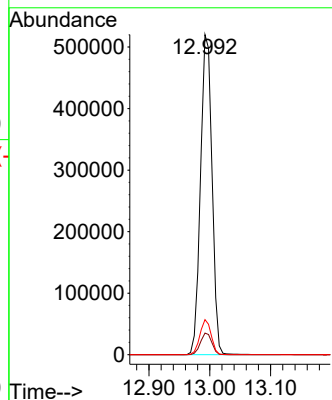
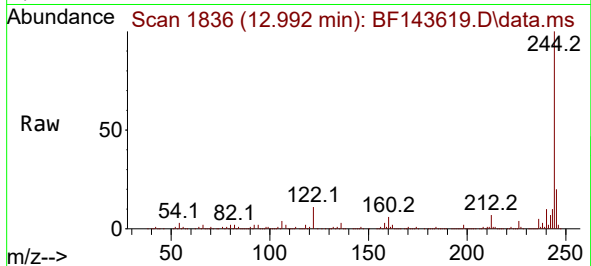




#79
 Terphenyl-d14
 Concen: 67.642 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143619.D
 Acq: 28 Aug 2025 19:42

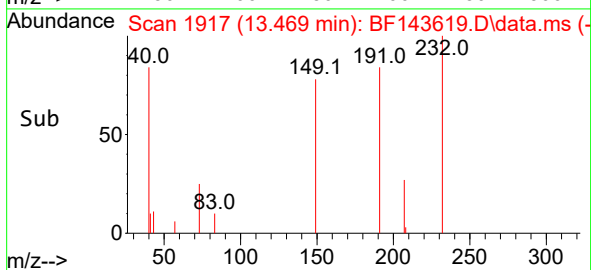
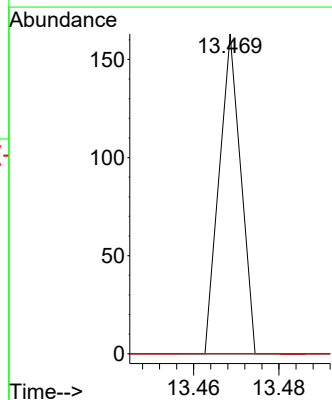
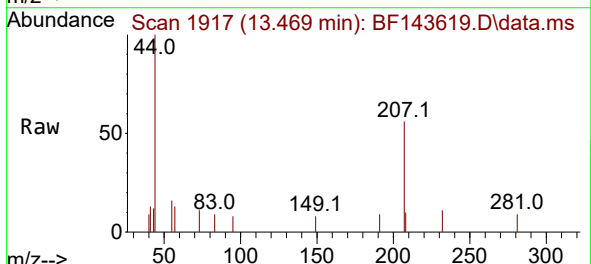
Instrument :
 BNA_F
 ClientSampleId :
 TP7

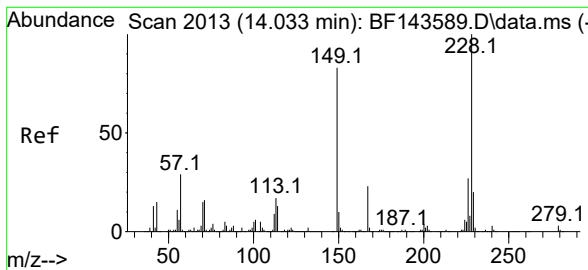
Tgt Ion:244 Resp: 681547
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.9 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 3.680 ng
 RT: 13.469 min Scan# 1917
 Delta R.T. -0.005 min
 Lab File: BF143619.D
 Acq: 28 Aug 2025 19:42

Tgt Ion:149 Resp: 57
 Ion Ratio Lower Upper
 149 100
 91 0.0 56.8 85.2#
 206 0.0 16.2 24.2#

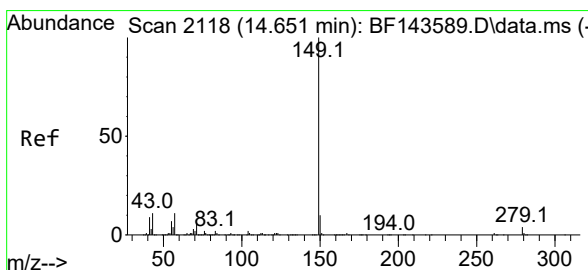
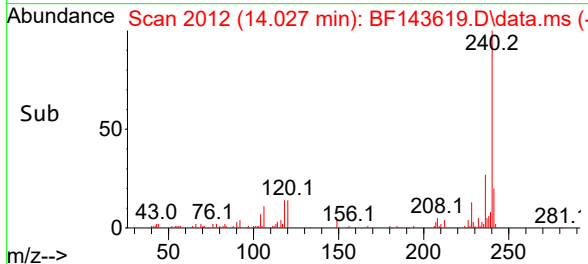
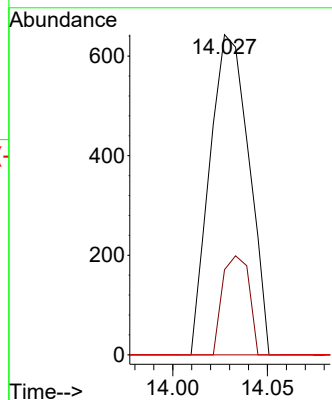
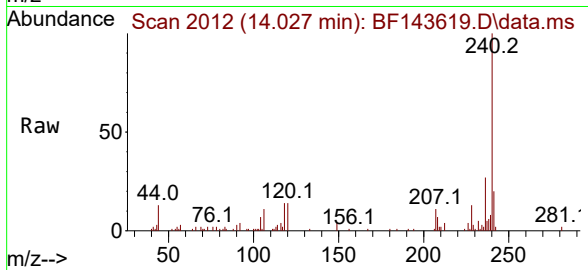




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.394 ng
RT: 14.027 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

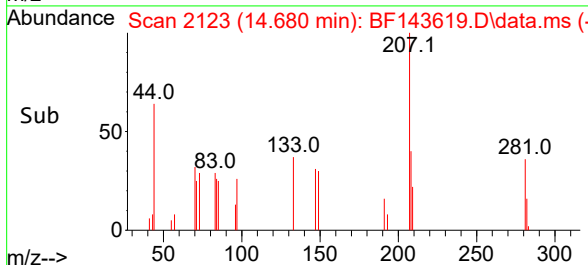
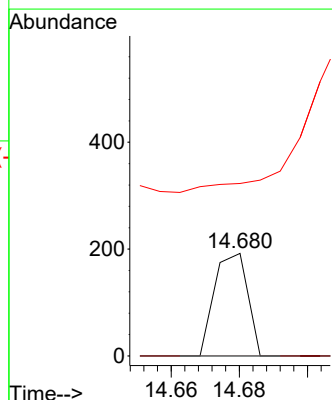
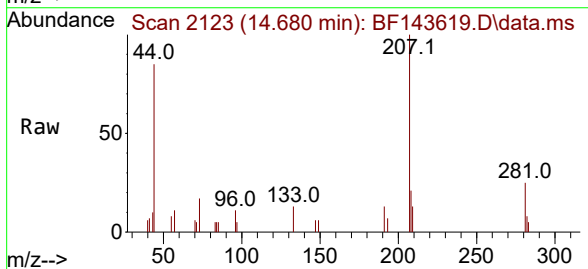
Instrument :
BNA_F
ClientSampleId :
TP7

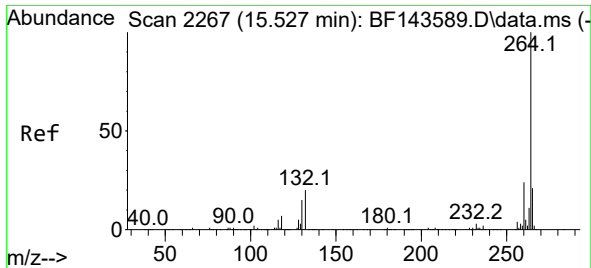
Tgt Ion:149 Resp: 925
Ion Ratio Lower Upper
149 100
167 26.6 21.8 32.8
279 0.0 2.9 4.3#



#85
Di-n-octyl phthalate
Concen: 5.878 ng
RT: 14.680 min Scan# 2123
Delta R.T. 0.029 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

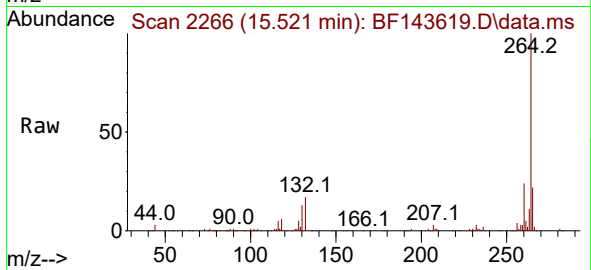
Tgt Ion:149 Resp: 130
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 9.5 14.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143619.D
Acq: 28 Aug 2025 19:42

Instrument :
BNA_F
ClientSampleId :
TP7



Tgt Ion:264 Resp: 188648
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.0 17.0 25.4

