

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143621.D
 Acq On : 28 Aug 2025 20:41
 Operator : RC/JU
 Sample : Q2970-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9

Quant Time: Aug 29 01:10:14 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

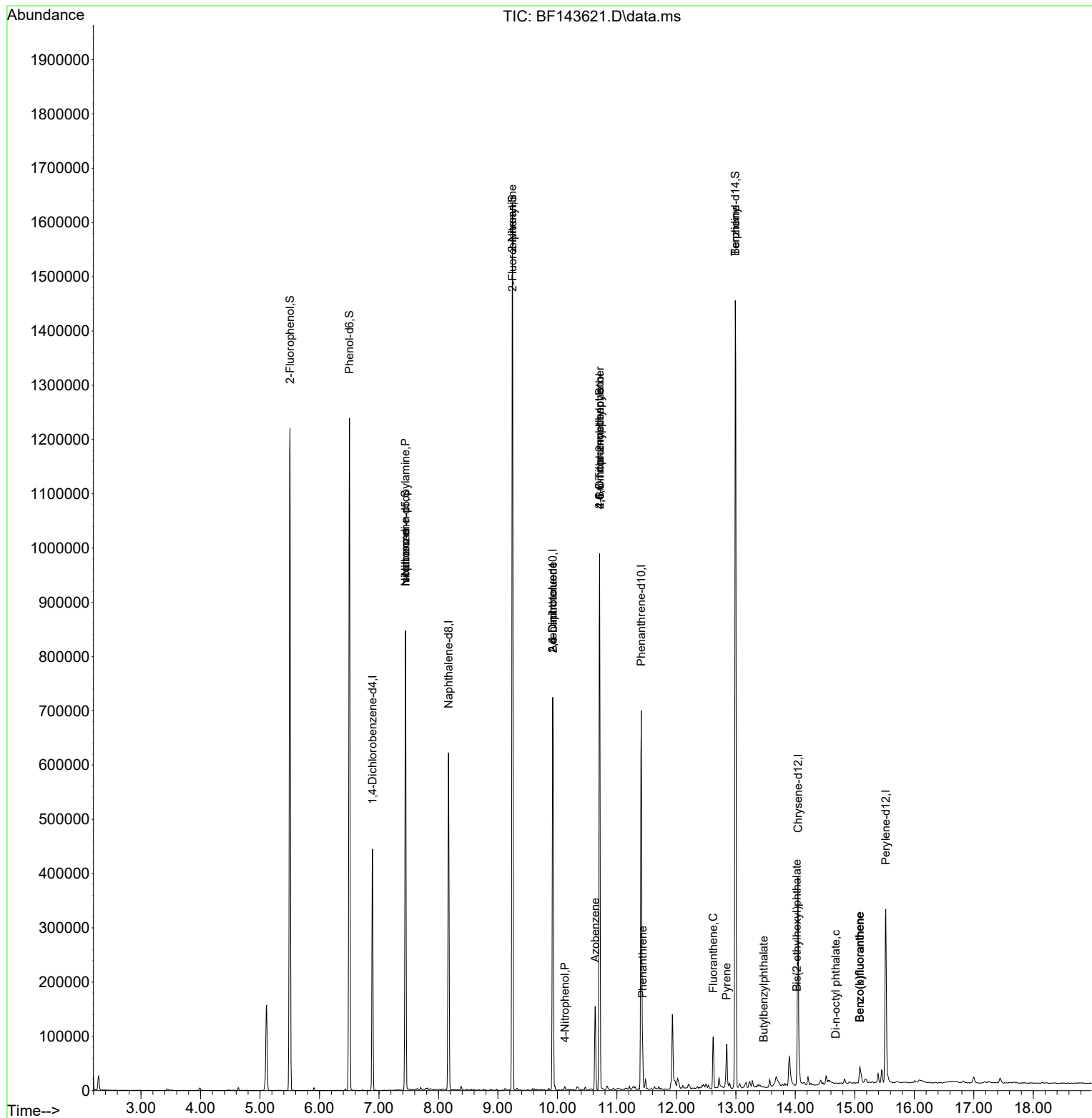
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98025	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	380033	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	217278	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	355783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	176219	20.000	ng	0.00
86) Perylene-d12	15.521	264	191686	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	456347	79.234	ng	0.00
7) Phenol-d6	6.504	99	587371	82.340	ng	0.00
23) Nitrobenzene-d5	7.445	82	360155	67.666	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	166537	98.012	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	725621	57.099	ng	0.00
79) Terphenyl-d14	12.992	244	713737	72.682	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	48043	10.631	ng	# 76
25) Isophorone	7.445	82	358209	28.759	ng	# 66
48) 2-Nitroaniline	9.239	65	1193	4.633	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	28356	16.155	ng	# 21
56) 4-Nitrophenol	10.128	139	1152	5.754	ng	# 5
57) 2,4-Dinitrotoluene	9.922	165	28356	13.501	ng	# 22
63) Azobenzene	10.633	77	37106	2.922	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	252	7.919	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10748	2.793	ng	# 1
71) Phenanthrene	11.433	178	46524	2.442	ng	97
75) Fluoranthene	12.621	202	54887	3.156	ng	99
77) Benzidine	12.992	184	8191	2.019	ng	# 96
78) Pyrene	12.845	202	45658	3.096	ng	97
80) Butylbenzylphthalate	13.468	149	119	3.694	ng	# 23
84) Bis(2-ethylhexyl)phtha...	14.027	149	905	3.394	ng	# 98
85) Di-n-octyl phthalate	14.680	149	258	5.890	ng	# 1
88) Benzo(b)fluoranthene	15.086	252	28050	2.561	ng	98
89) Benzo(k)fluoranthene	15.086	252	28050	2.739	ng	98

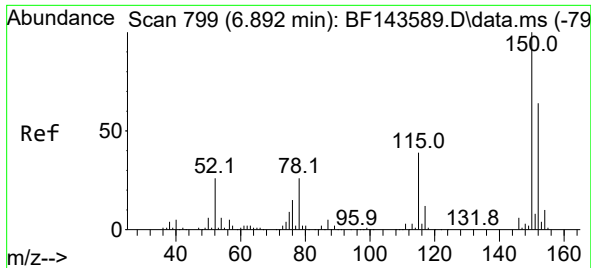
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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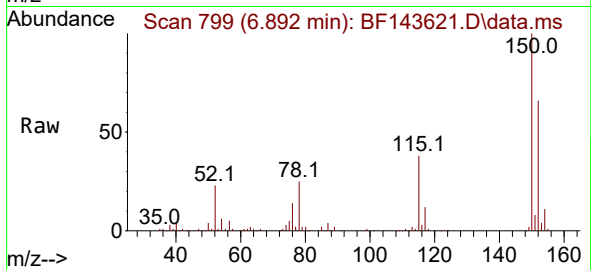
Quant Time: Aug 29 01:10:14 2025
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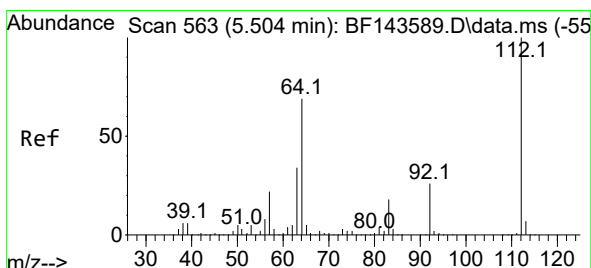
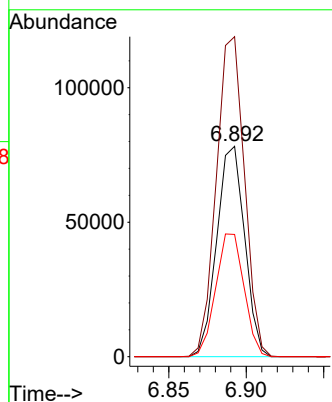
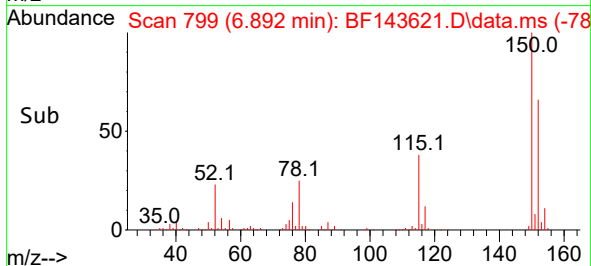


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

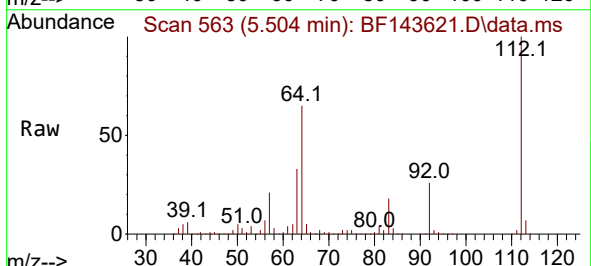
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ClientSampleId :
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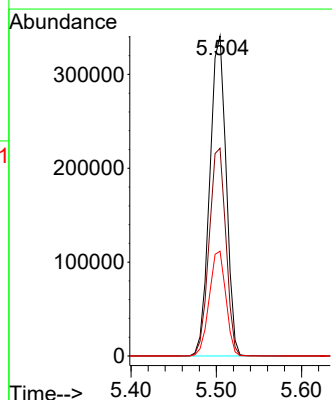
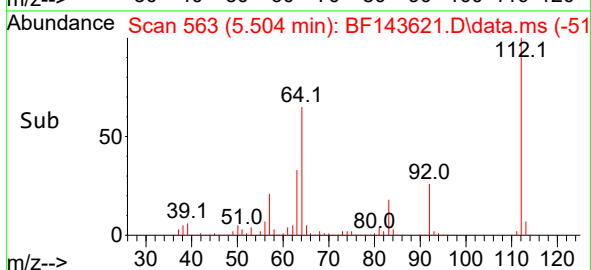
Tgt Ion:152 Resp: 98025
Ion Ratio Lower Upper
152 100
150 152.1 124.9 187.3
115 58.1 48.0 72.0

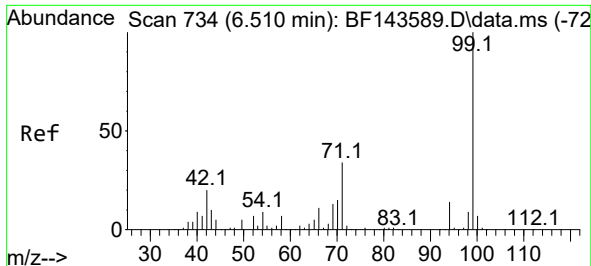


#5
2-Fluorophenol
Concen: 79.234 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41



Tgt Ion:112 Resp: 456347
Ion Ratio Lower Upper
112 100
64 64.9 54.8 82.2
63 32.7 27.6 41.4

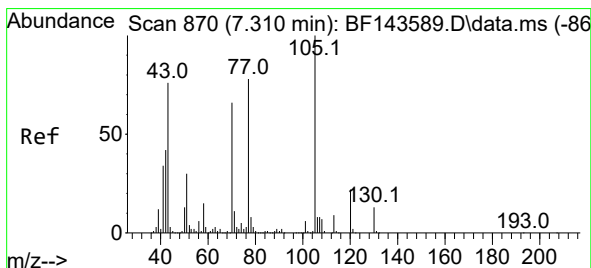
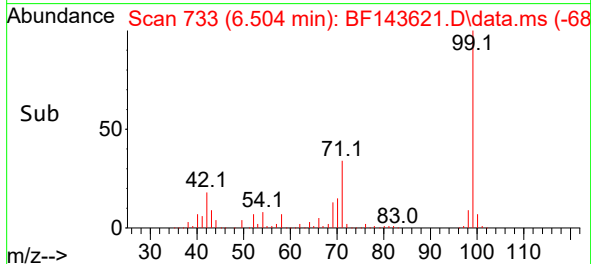
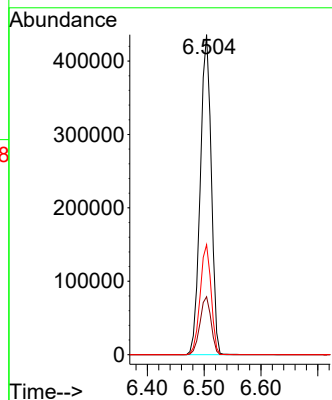
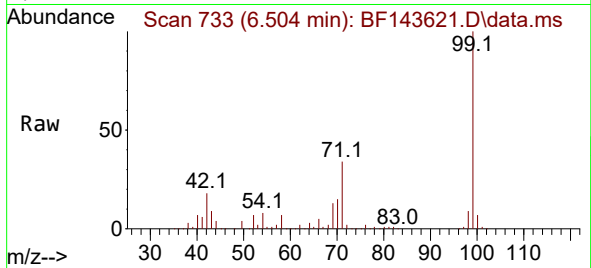




#7
Phenol-d6
Concen: 82.340 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

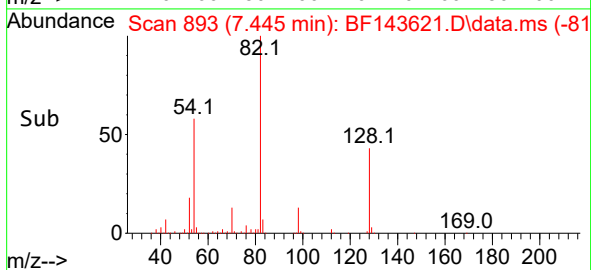
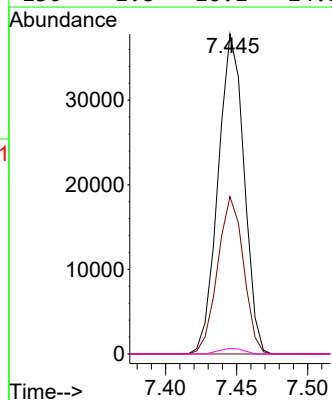
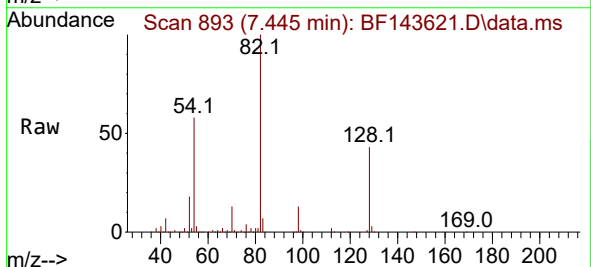
Instrument :
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ClientSampleId :
TP9

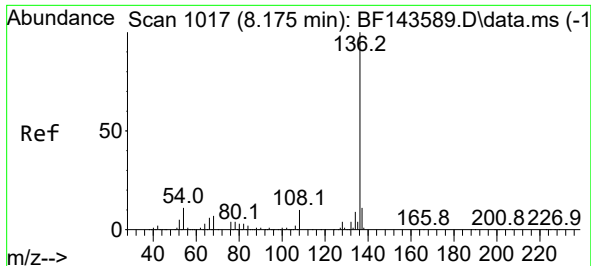
Tgt Ion: 99 Resp: 587371
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.631 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 70 Resp: 48043
Ion Ratio Lower Upper
70 100
42 49.1 50.6 75.8#
101 0.0 7.5 11.3#
130 1.8 16.1 24.1#



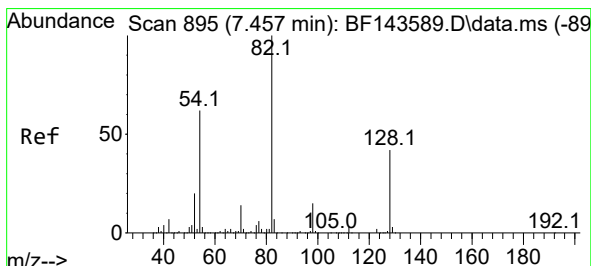
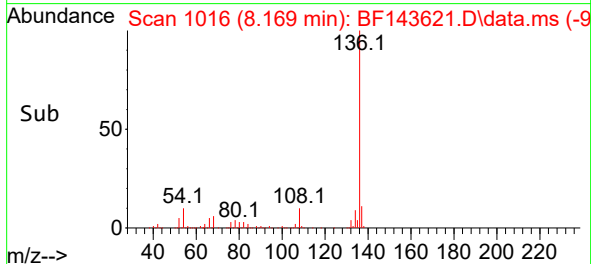
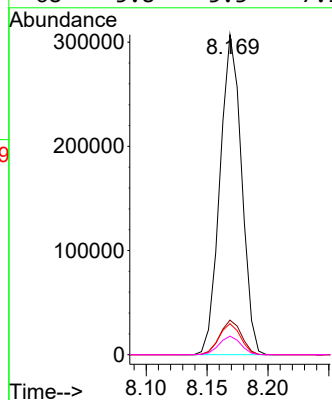
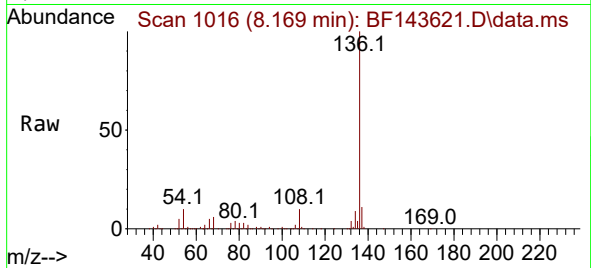


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Instrument :
BNA_F
ClientSampleId :
TP9

Tgt Ion:136 Resp: 380033

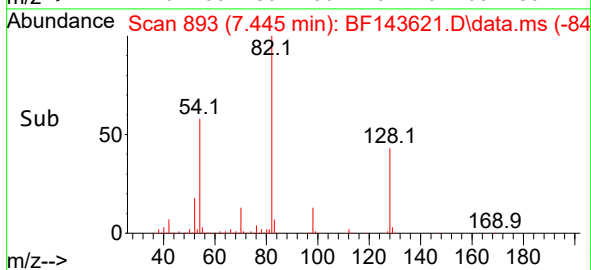
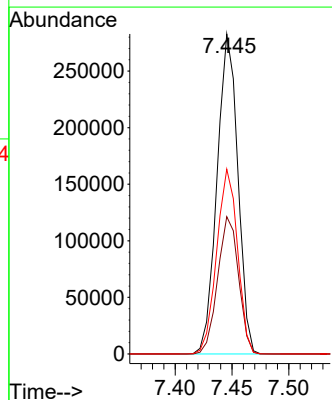
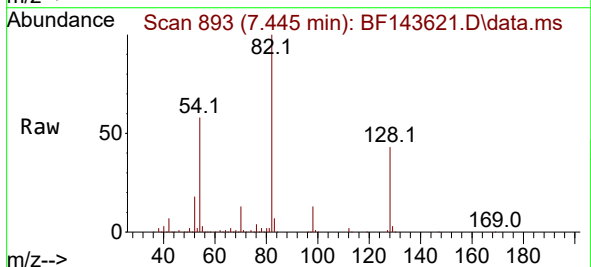
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.7	9.0	13.6
68	5.8	5.3	7.9

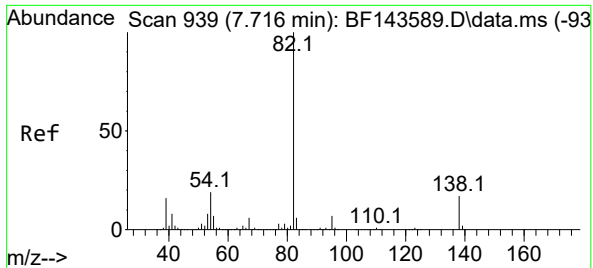


#23
Nitrobenzene-d5
Concen: 67.666 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 82 Resp: 360155

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.2
54	57.8	49.3	73.9

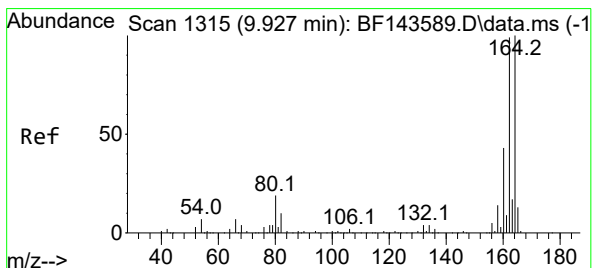
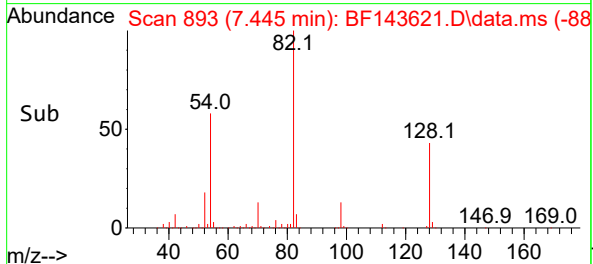
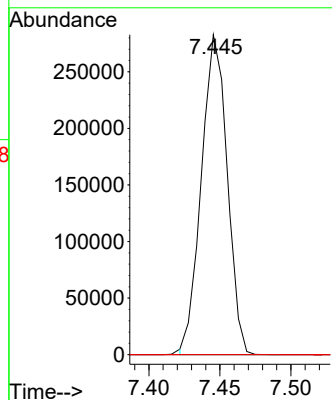
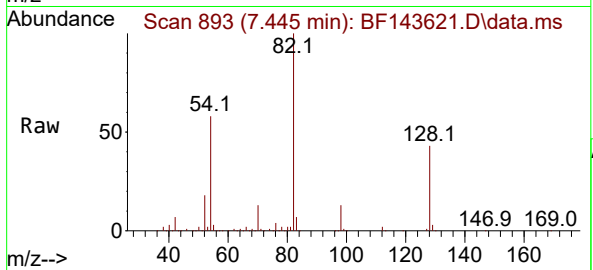




#25
Isophorone
Concen: 28.759 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

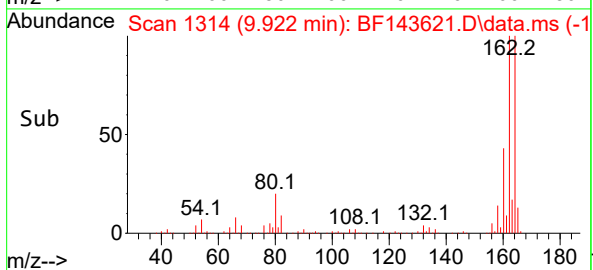
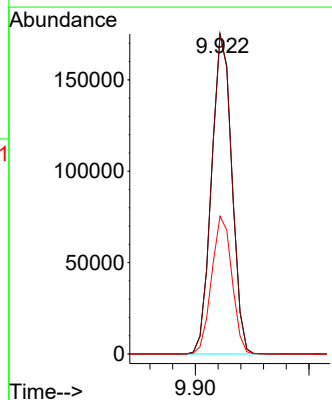
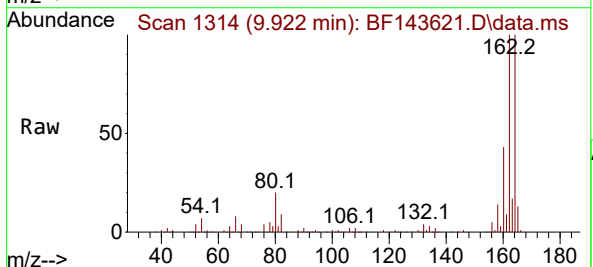
Instrument :
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ClientSampleId :
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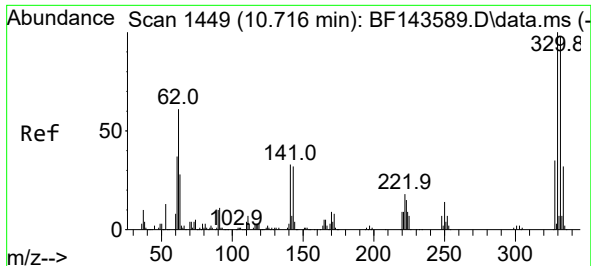
Tgt Ion: 82 Resp: 358209
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 164 Resp: 217278
Ion Ratio Lower Upper
164 100
162 99.8 79.5 119.3
160 43.1 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 98.012 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Instrument :

BNA_F

ClientSampleId :

TP9

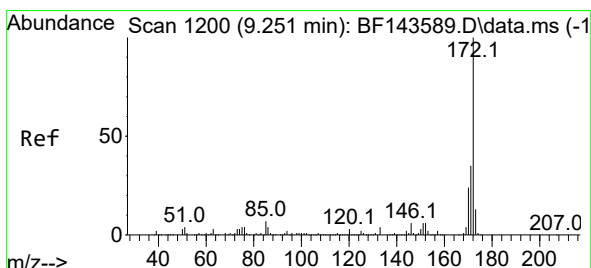
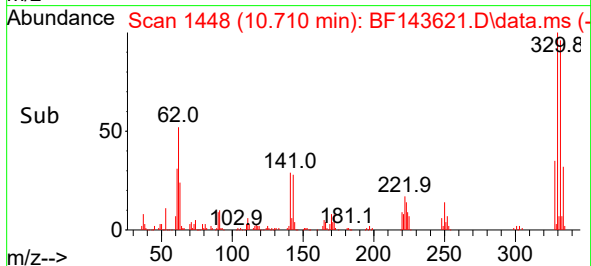
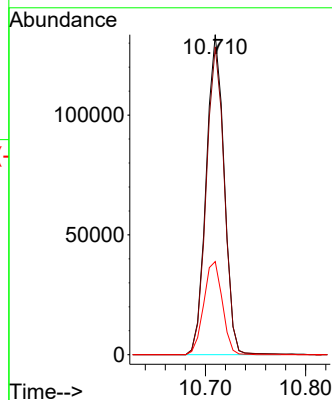
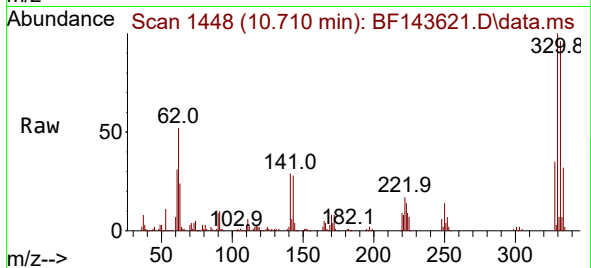
Tgt Ion:330 Resp: 166537

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.4

141 30.1 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 57.099 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

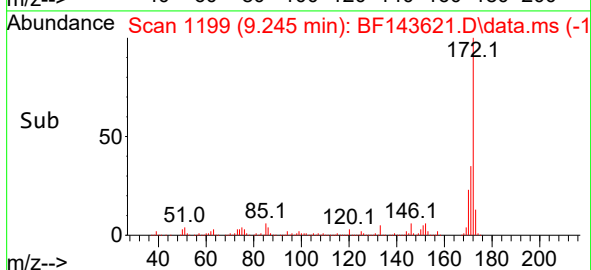
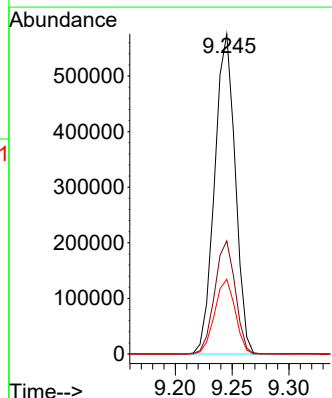
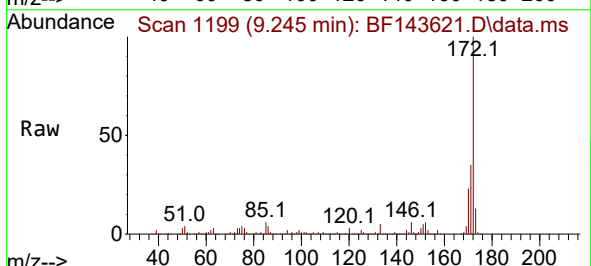
Tgt Ion:172 Resp: 725621

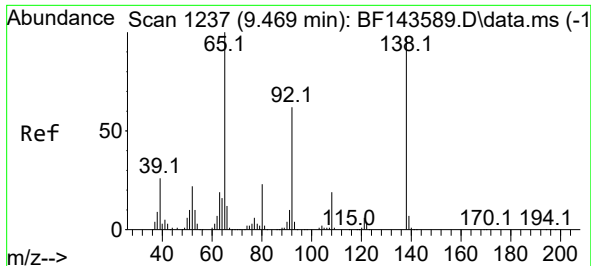
Ion Ratio Lower Upper

172 100

171 35.4 28.3 42.5

170 23.3 19.0 28.4

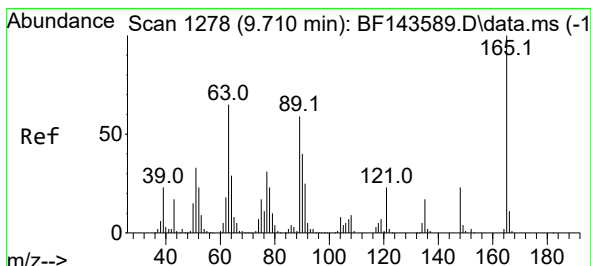
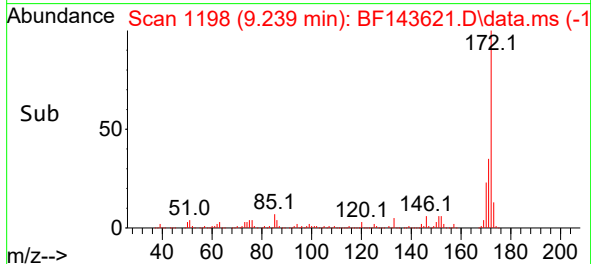
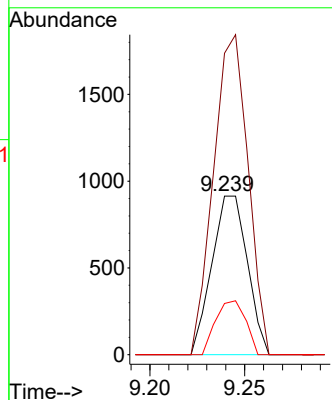
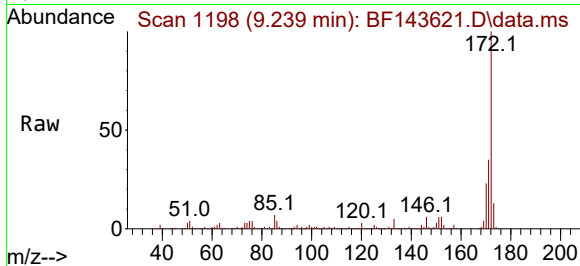




#48
2-Nitroaniline
Concen: 4.633 ng
RT: 9.239 min Scan# 1193
Delta R.T. -0.230 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

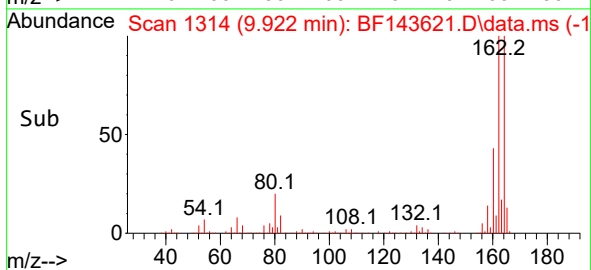
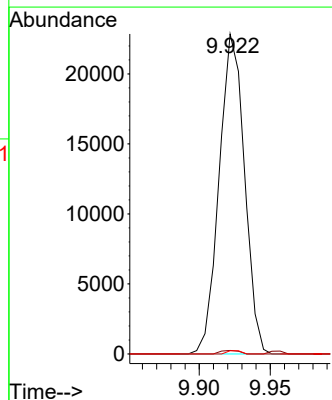
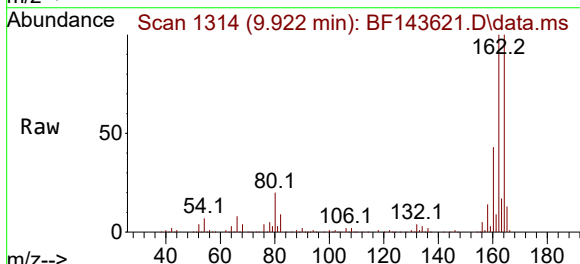
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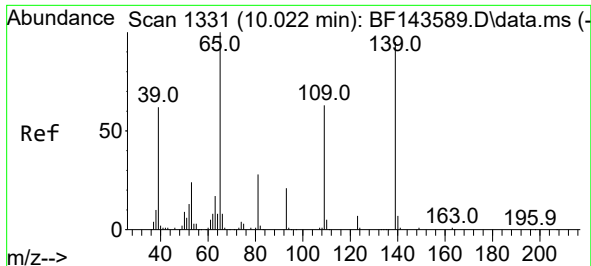
Tgt Ion: 65 Resp: 1193
Ion Ratio Lower Upper
65 100
92 190.0 49.6 74.4#
138 32.3 78.6 118.0#



#51
2,6-Dinitrotoluene
Concen: 16.155 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 165 Resp: 28356
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.6#
89 1.0 47.4 71.2#

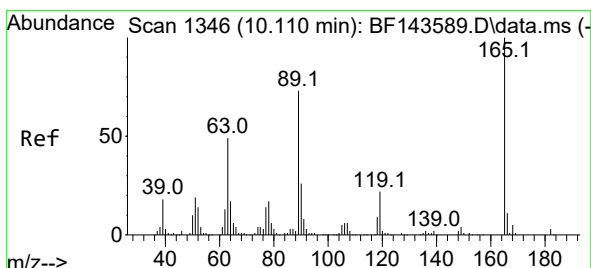
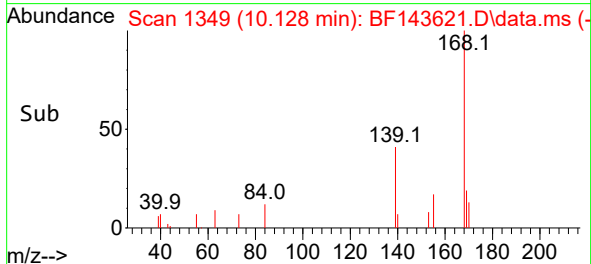
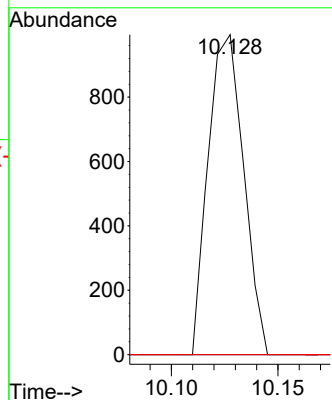
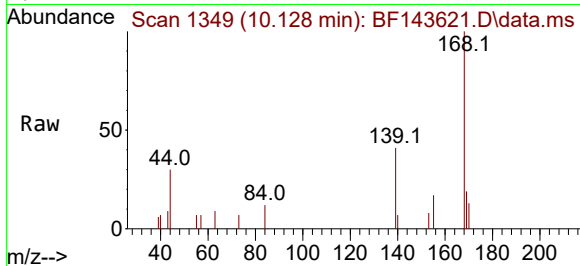




#56
4-Nitrophenol
Concen: 5.754 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.106 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

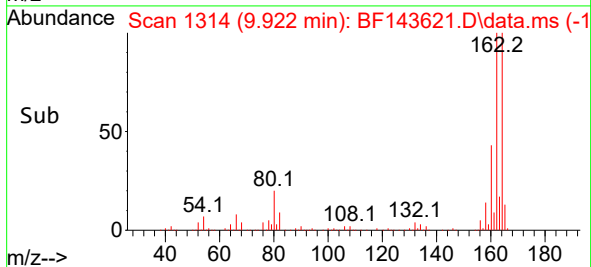
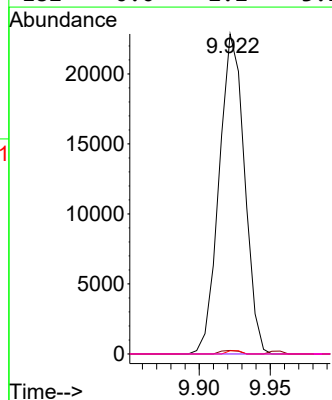
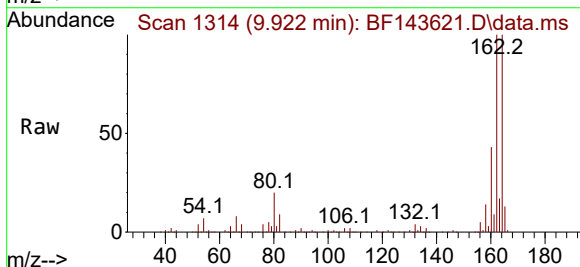
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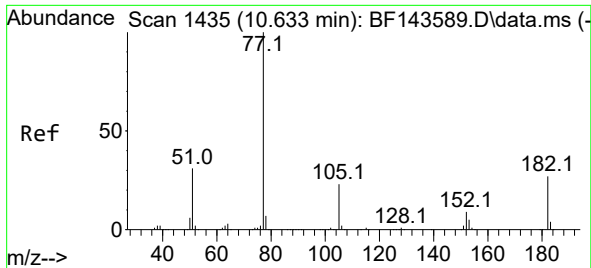
Tgt Ion:139 Resp: 1152
Ion Ratio Lower Upper
139 100
109 0.0 47.3 87.3#
65 0.0 86.8 126.8#



#57
2,4-Dinitrotoluene
Concen: 13.501 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:165 Resp: 28356
Ion Ratio Lower Upper
165 100
63 1.1 39.5 59.3#
89 1.0 58.1 87.1#
182 0.0 2.2 3.2#

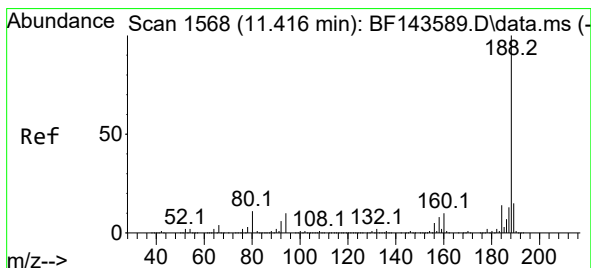
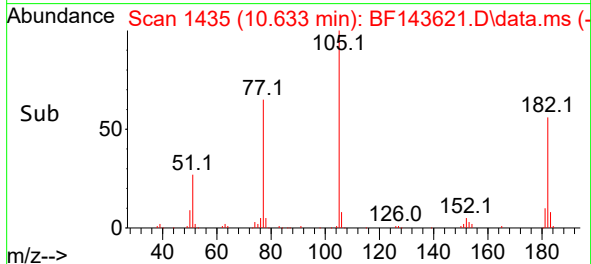
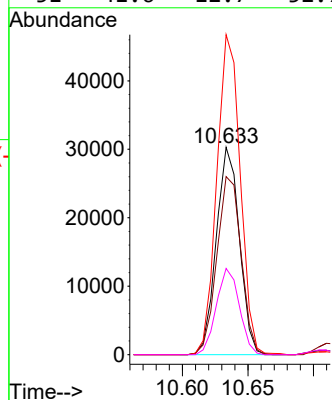
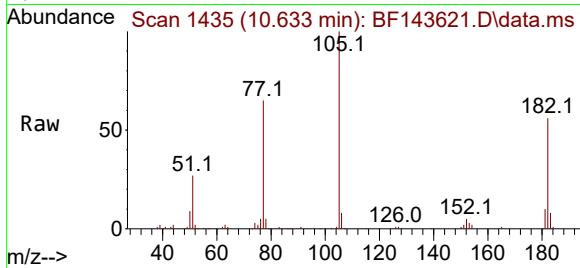




#63
Azobenzene
Concen: 2.922 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

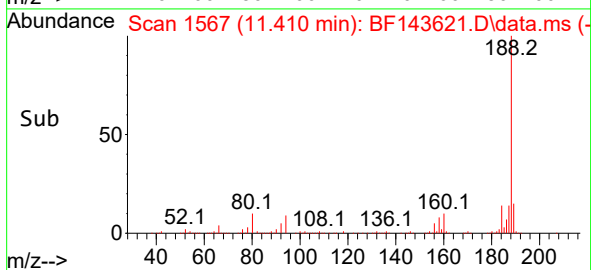
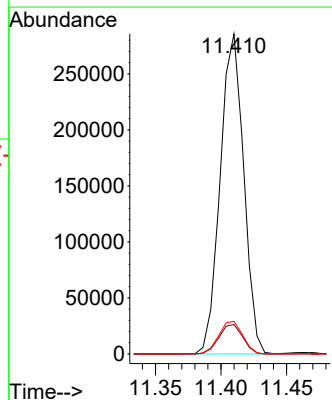
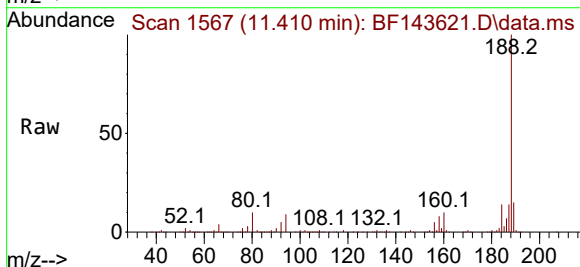
Instrument :
BNA_F
ClientSampleId :
TP9

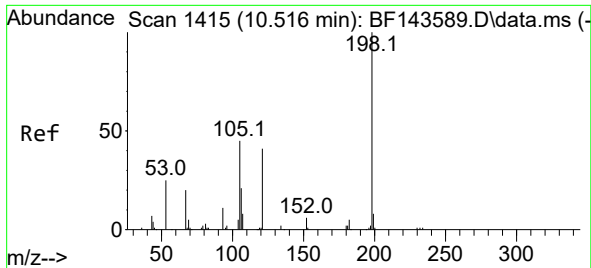
Tgt Ion: 77 Resp: 37106
Ion Ratio Lower Upper
77 100
182 85.9 6.3 46.3#
105 154.4 2.4 42.4#
51 41.6 12.7 52.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 188 Resp: 355783
Ion Ratio Lower Upper
188 100
94 9.2 8.2 12.4
80 10.2 8.9 13.3

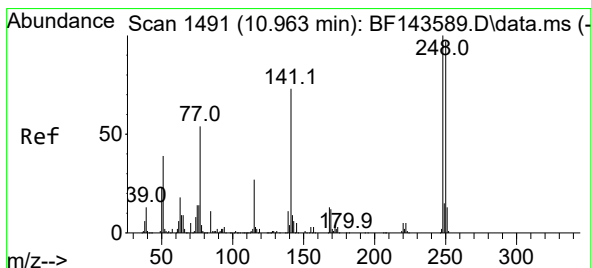
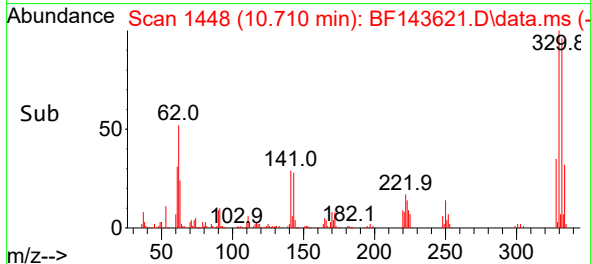
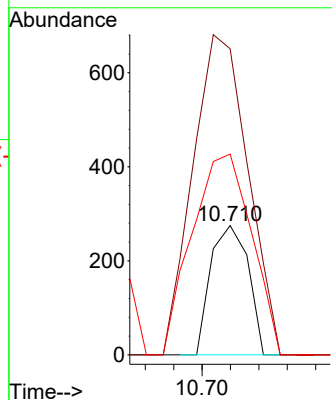
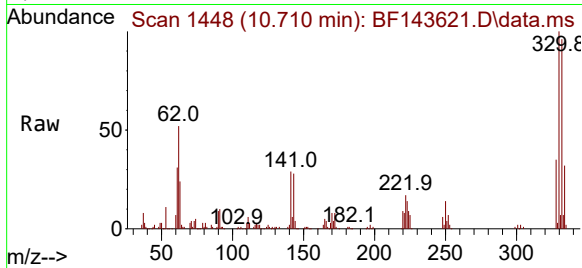




#65
4,6-Dinitro-2-methylphenol
Concen: 7.919 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

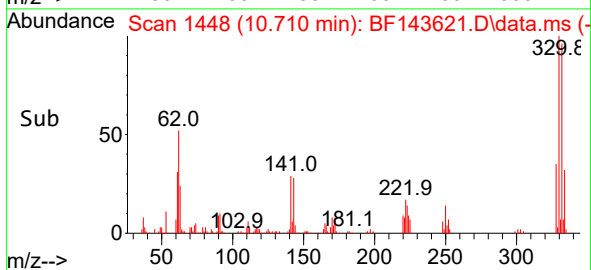
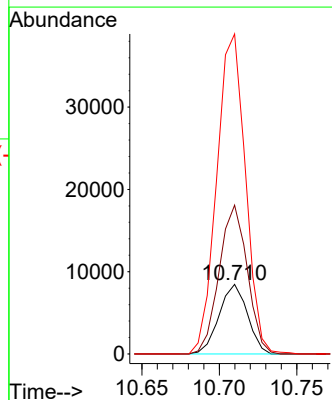
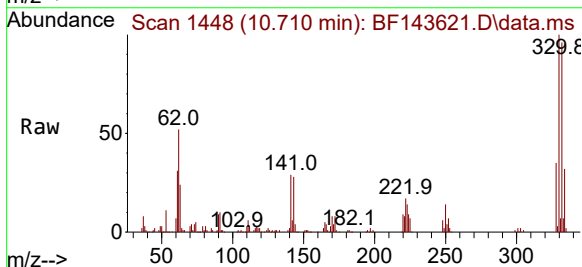
Instrument :
BNA_F
ClientSampleId :
TP9

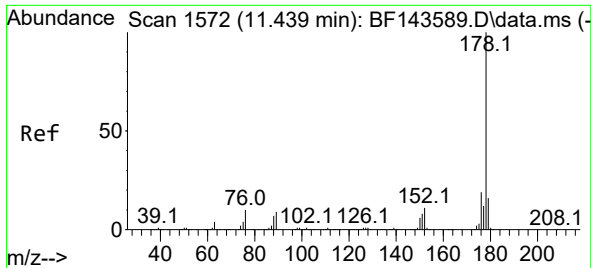
Tgt Ion:198 Resp: 252
Ion Ratio Lower Upper
198 100
51 236.7 41.5 81.5#
105 155.3 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 2.793 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:248 Resp: 10748
Ion Ratio Lower Upper
248 100
250 214.0 77.8 116.6#
141 460.1 58.5 87.7#

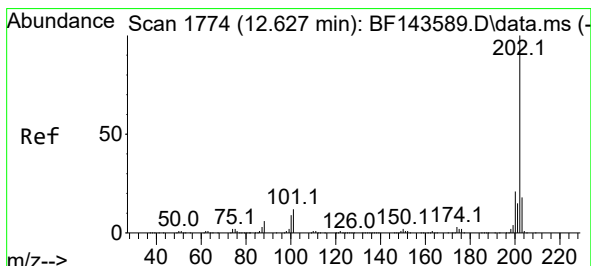
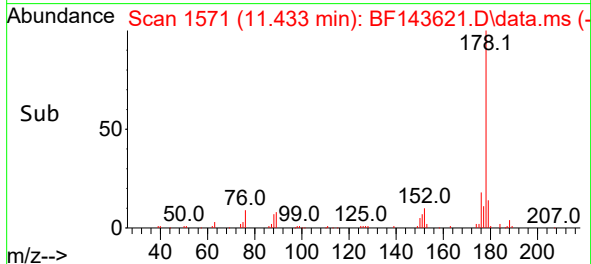
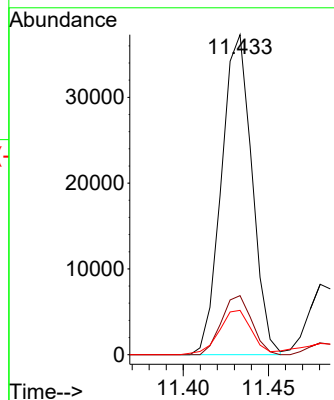
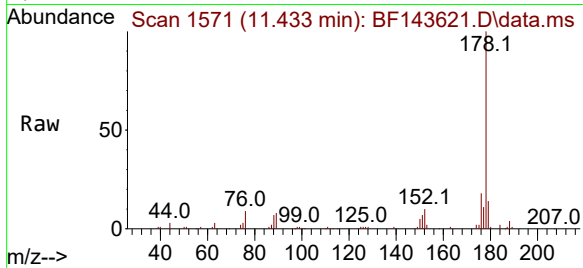




#71
Phenanthrene
Concen: 2.442 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

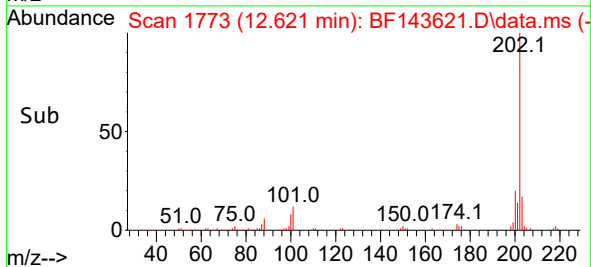
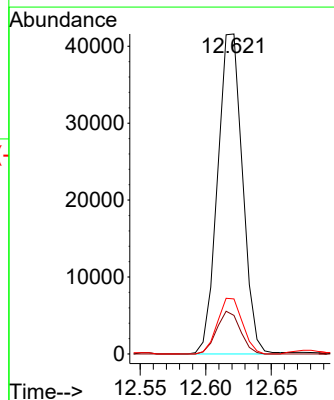
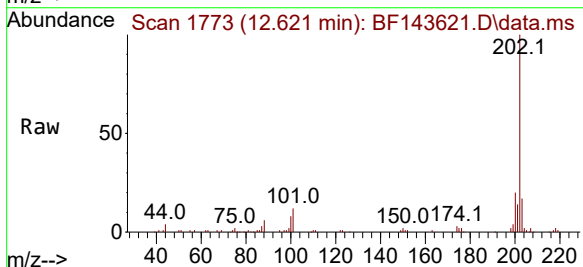
Instrument :
BNA_F
ClientSampleId :
TP9

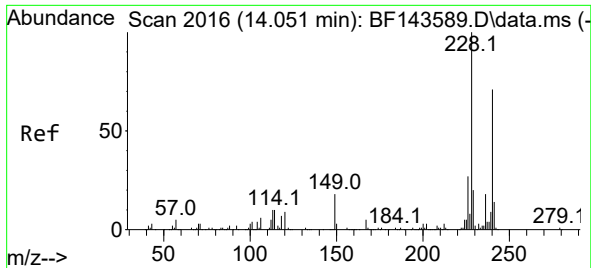
Tgt Ion:178 Resp: 46524
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 13.9 12.5 18.7



#75
Fluoranthene
Concen: 3.156 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:202 Resp: 54887
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.3
203 17.2 0.0 37.5

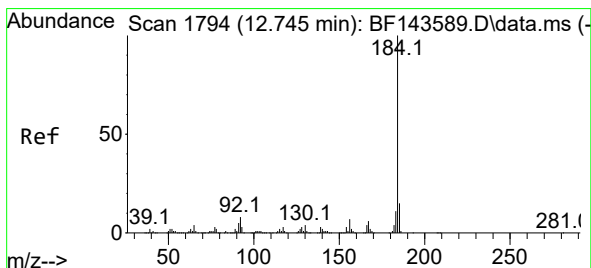
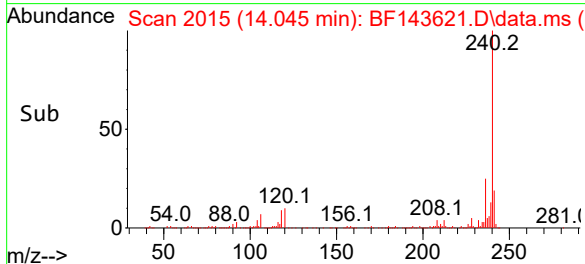
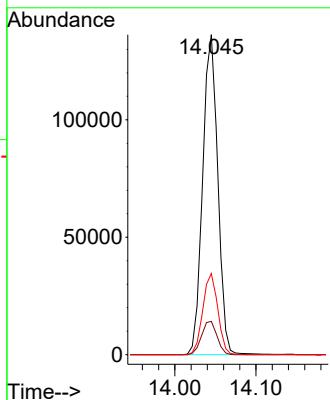
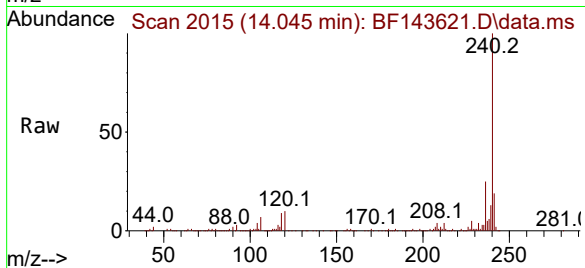




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

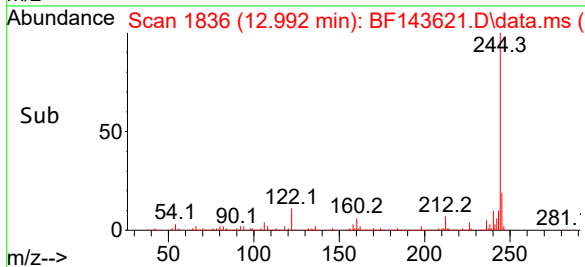
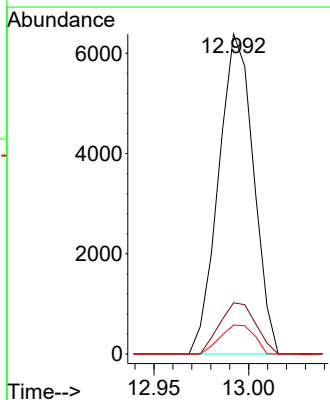
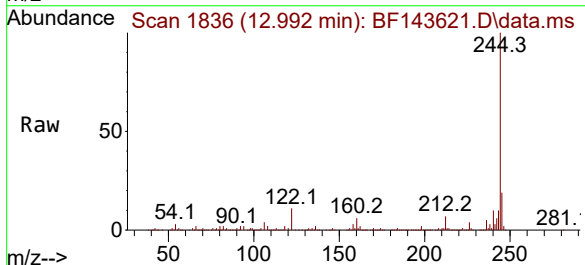
Instrument :
BNA_F
ClientSampleId :
TP9

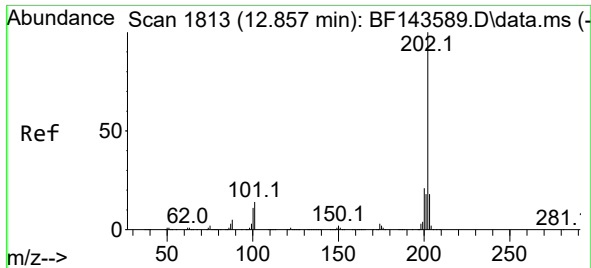
Tgt Ion:240 Resp: 176219
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 25.3 20.2 30.2



#77
Benzidine
Concen: 2.019 ng
RT: 12.992 min Scan# 1836
Delta R.T. 0.247 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:184 Resp: 8191
Ion Ratio Lower Upper
184 100
185 16.0 11.8 17.6
183 9.0 9.1 13.7#

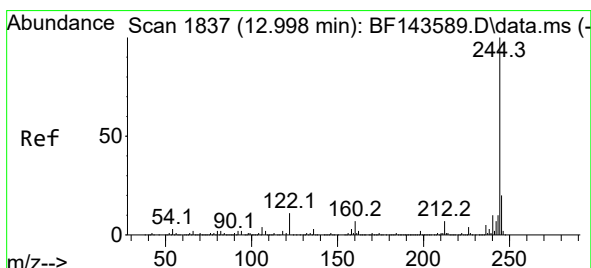
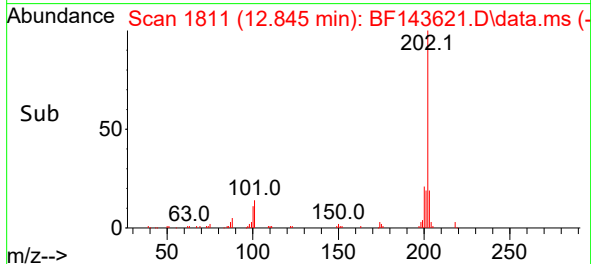
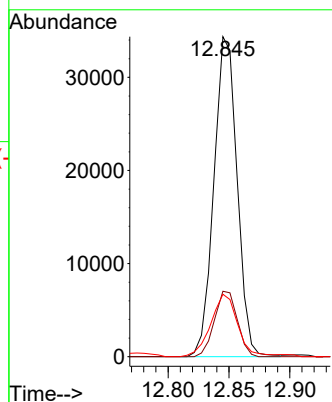
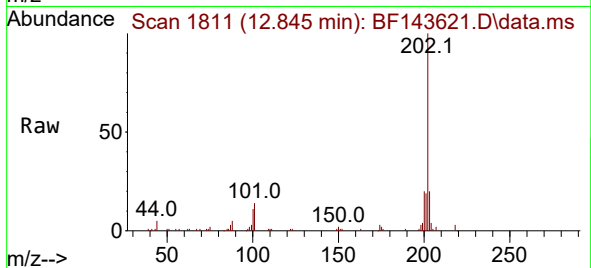




#78
 Pyrene
 Concen: 3.096 ng
 RT: 12.845 min Scan# 1811
 Delta R.T. -0.012 min
 Lab File: BF143621.D
 Acq: 28 Aug 2025 20:41

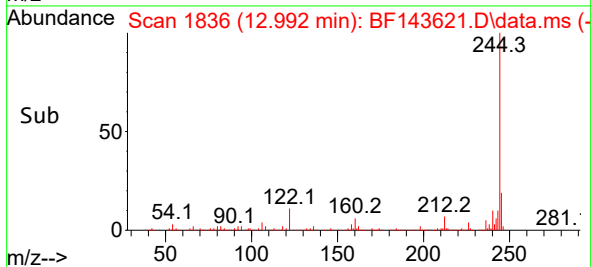
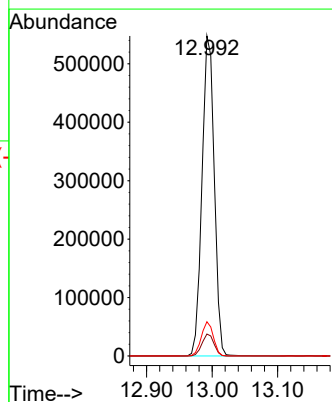
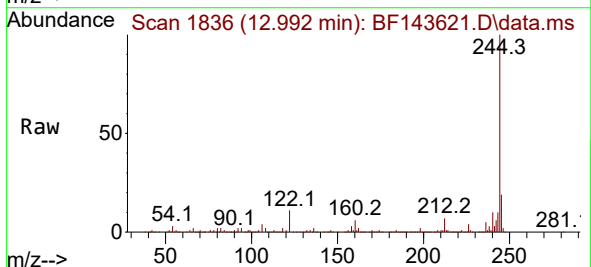
Instrument :
 BNA_F
 ClientSampleId :
 TP9

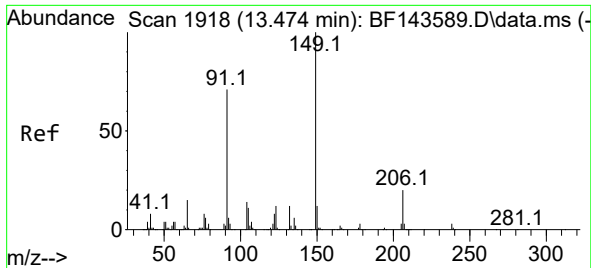
Tgt Ion:202 Resp: 45658
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.0 25.4
 203 19.5 14.2 21.4



#79
 Terphenyl-d14
 Concen: 72.682 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF143621.D
 Acq: 28 Aug 2025 20:41

Tgt Ion:244 Resp: 713737
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 10.7 8.8 13.2

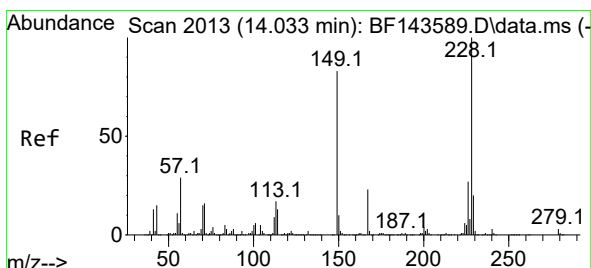
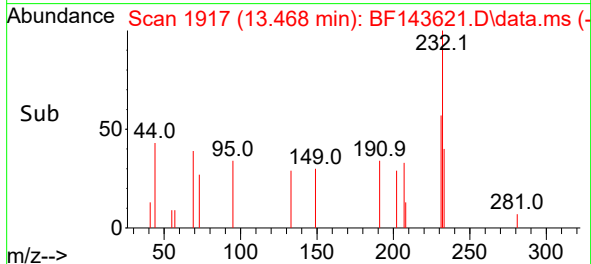
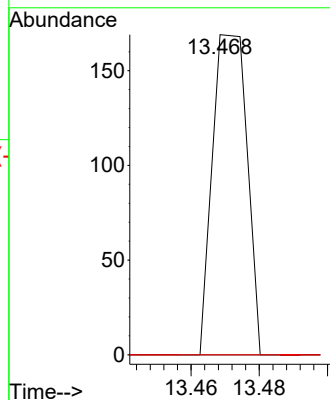
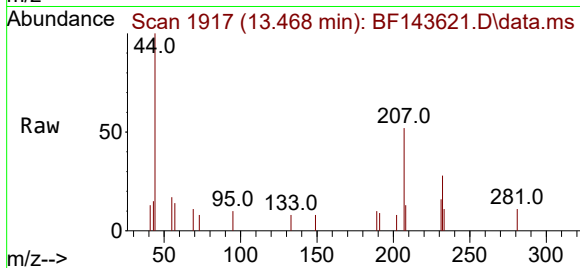




#80
Butylbenzylphthalate
Concen: 3.694 ng
RT: 13.468 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

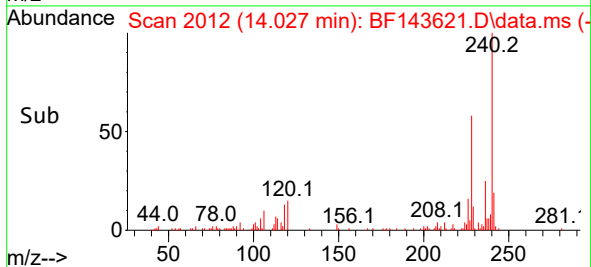
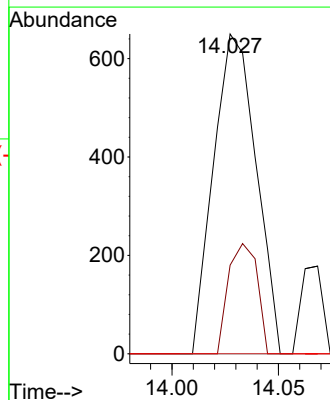
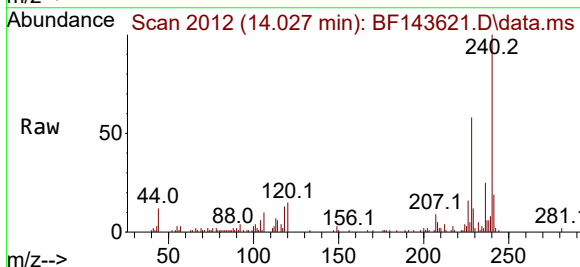
Instrument :
BNA_F
ClientSampleId :
TP9

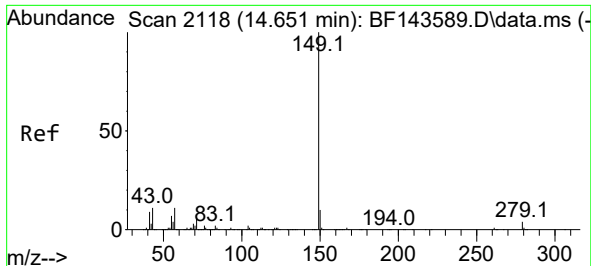
Tgt Ion:149 Resp: 119
Ion Ratio Lower Upper
149 100
91 0.0 56.8 85.2#
206 0.0 16.2 24.2#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.394 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:149 Resp: 905
Ion Ratio Lower Upper
149 100
167 27.7 21.8 32.8
279 0.0 2.9 4.3#

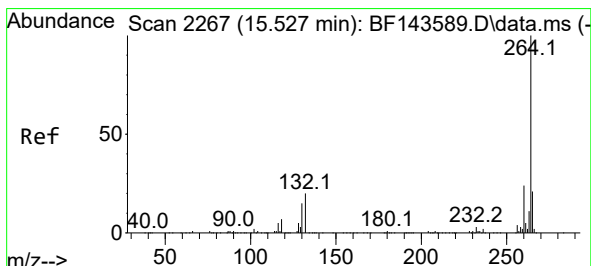
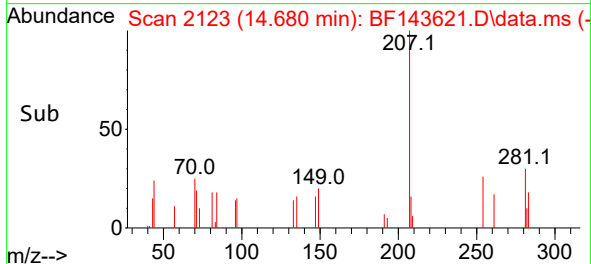
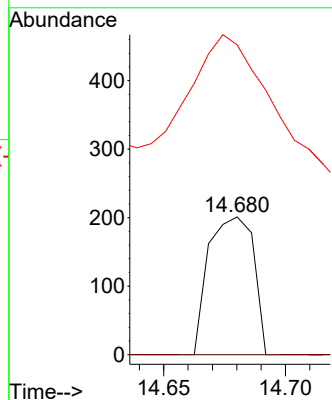
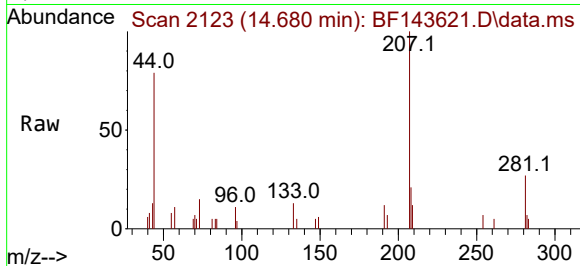




#85
Di-n-octyl phthalate
Concen: 5.890 ng
RT: 14.680 min Scan# 2118
Delta R.T. 0.029 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

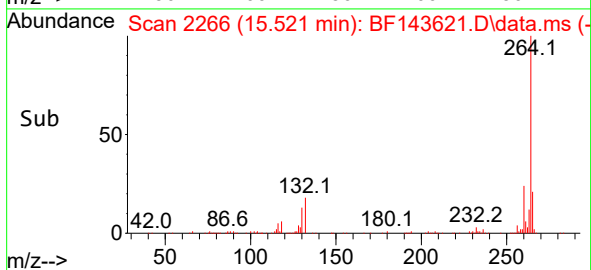
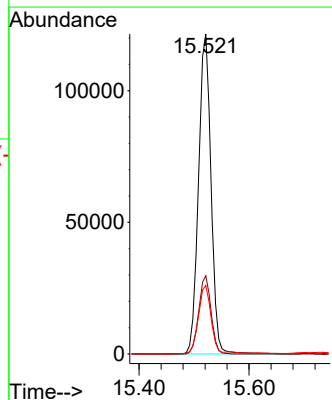
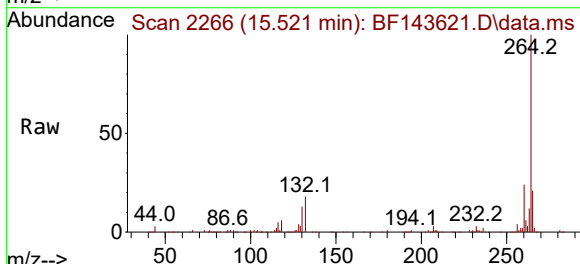
Instrument :
BNA_F
ClientSampleId :
TP9

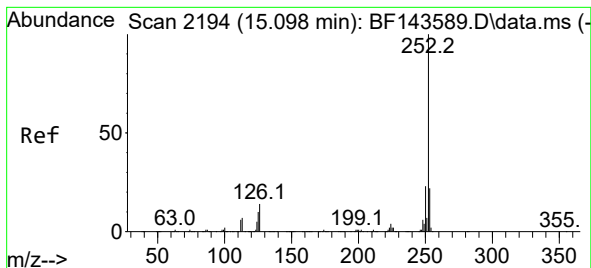
Tgt Ion:149 Resp: 258
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 192.6 9.5 14.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:264 Resp: 191686
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 21.4 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.561 ng

RT: 15.086 min Scan# 2192

Delta R.T. -0.012 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Instrument :

BNA_F

ClientSampleId :

TP9

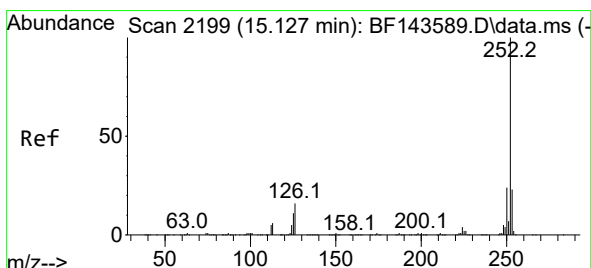
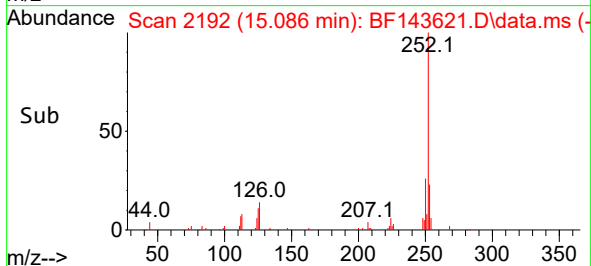
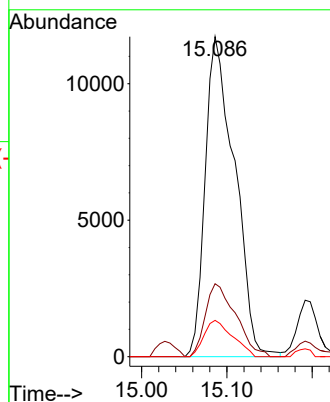
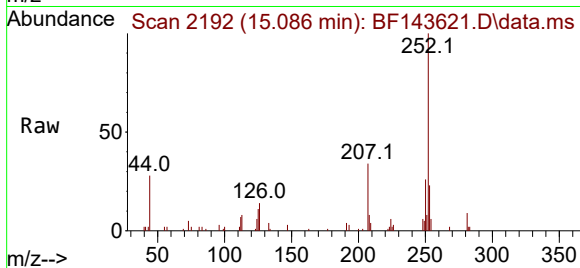
Tgt Ion:252 Resp: 28050

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.4 8.2 12.2



#89

Benzo(k)fluoranthene

Concen: 2.739 ng

RT: 15.086 min Scan# 2192

Delta R.T. -0.041 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Tgt Ion:252 Resp: 28050

Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 11.4 8.2 12.4

