

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143620.D
 Acq On : 28 Aug 2025 20:12
 Operator : RC/JU
 Sample : Q2971-31
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4

Quant Time: Aug 29 01:09:58 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)

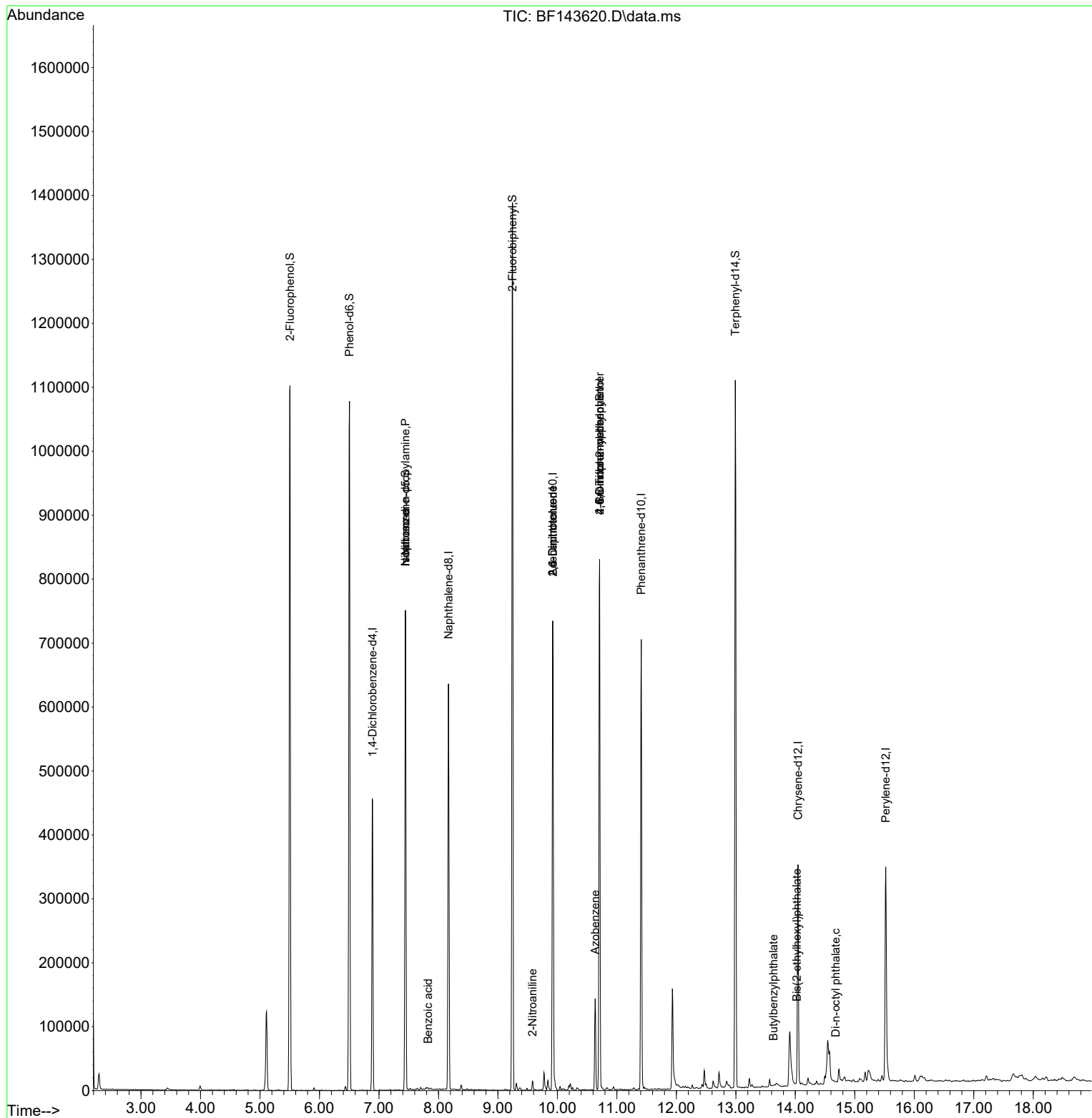
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	99904	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	382160	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	223546	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	355974	20.000	ng	0.00
76) Chrysene-d12	14.045	240	168902	20.000	ng	0.00
86) Perylene-d12	15.521	264	196935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	408640	69.617	ng	0.00
7) Phenol-d6	6.504	99	516188	71.000	ng	0.00
23) Nitrobenzene-d5	7.445	82	311481	58.196	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	140594	80.423	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	618862	47.333	ng	0.00
79) Terphenyl-d14	12.992	244	534313	56.768	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	42004	9.120	ng	# 75
25) Isophorone	7.445	82	309322	24.696	ng	# 66
32) Benzoic acid	7.828	122	115	7.357	ng	# 44
48) 2-Nitroaniline	9.581	65	214	4.362	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	27851	15.639	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	27851	13.109	ng	# 22
63) Azobenzene	10.633	77	33438	2.559	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	130	7.812	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9428	2.449	ng	# 1
80) Butylbenzylphthalate	13.633	149	53	3.680	ng	# 23
84) Bis(2-ethylhexyl)phtha...	14.027	149	618	3.349	ng	# 93
85) Di-n-octyl phthalate	14.680	149	302	5.895	ng	# 72

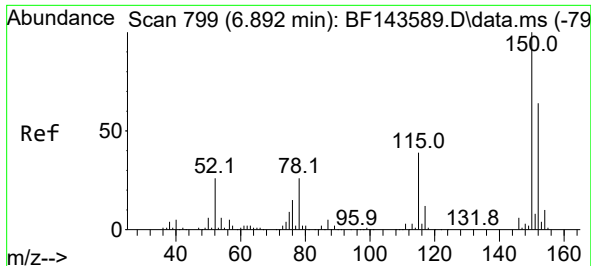
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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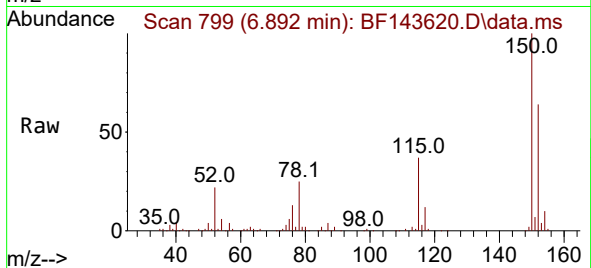
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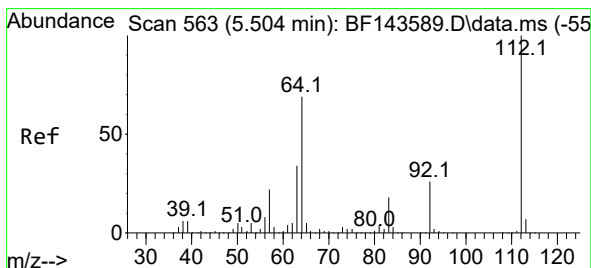
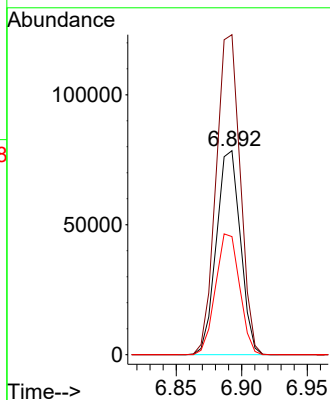
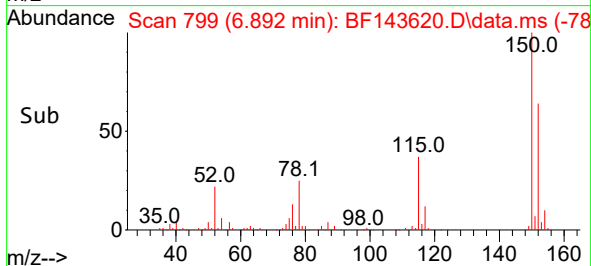


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. 0.000 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

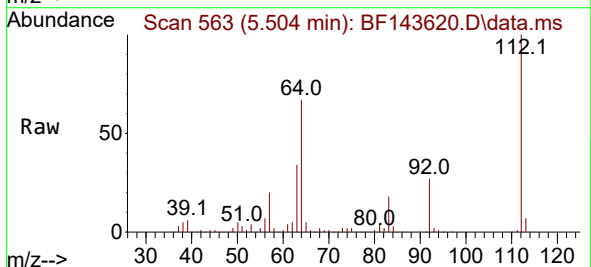
Instrument :
BNA_F
ClientSampleId :
TP4



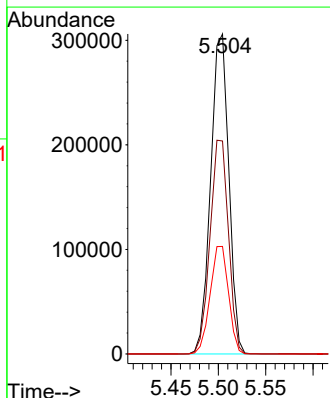
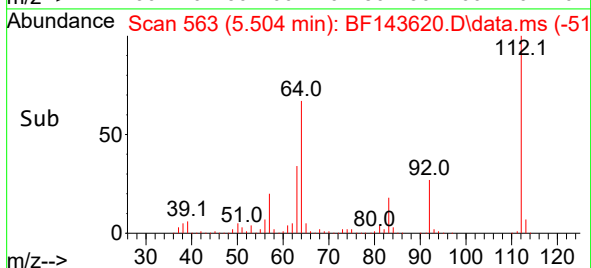
Tgt Ion:152 Resp: 99904
Ion Ratio Lower Upper
152 100
150 156.8 124.9 187.3
115 57.9 48.0 72.0

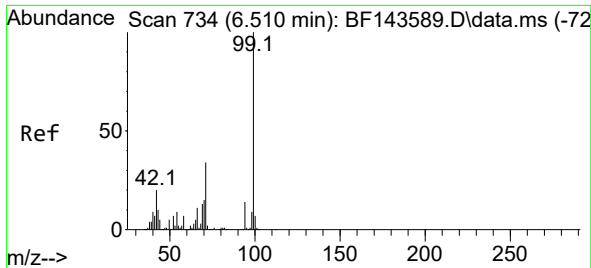


#5
2-Fluorophenol
Concen: 69.617 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12



Tgt Ion:112 Resp: 408640
Ion Ratio Lower Upper
112 100
64 66.6 54.8 82.2
63 33.6 27.6 41.4

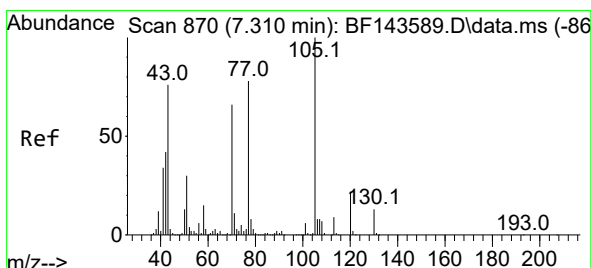
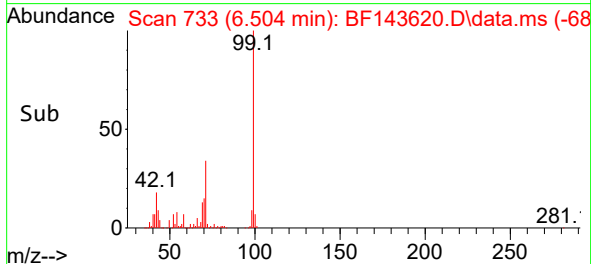
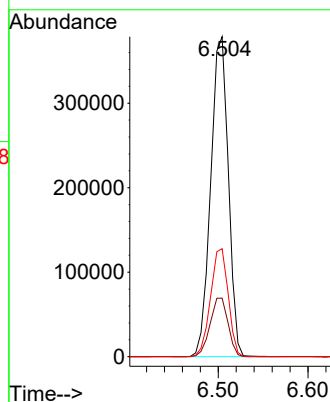
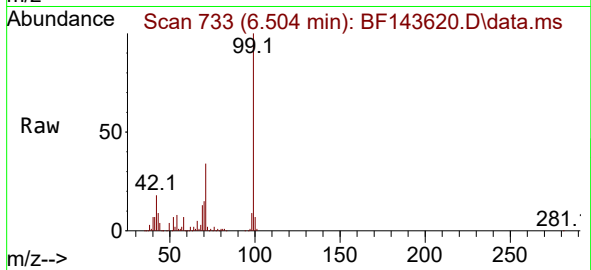




#7
Phenol-d6
Concen: 71.000 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

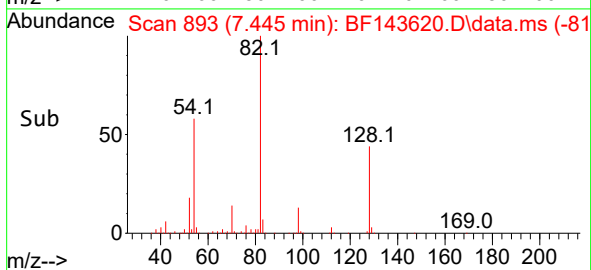
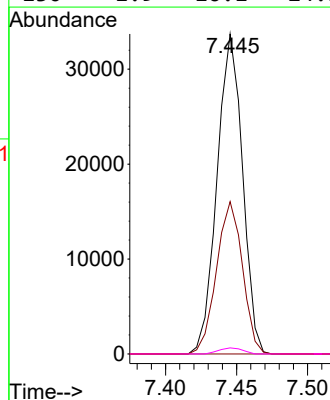
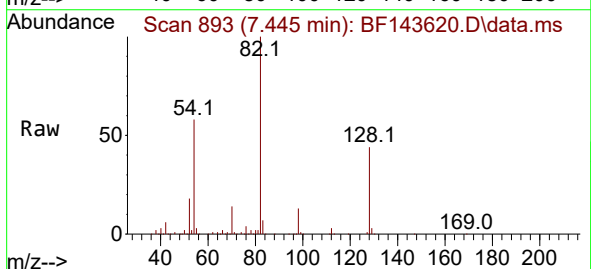
Instrument :
BNA_F
ClientSampleId :
TP4

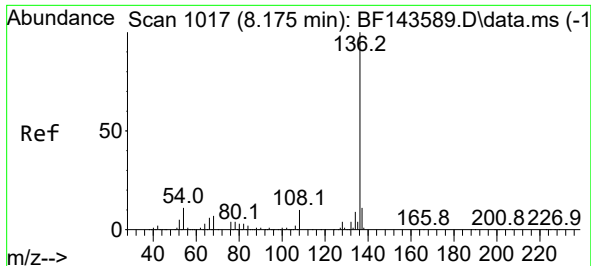
Tgt Ion: 99 Resp: 516188
Ion Ratio Lower Upper
99 100
42 18.3 15.9 23.9
71 33.8 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.120 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion: 70 Resp: 42004
Ion Ratio Lower Upper
70 100
42 47.6 50.6 75.8#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#

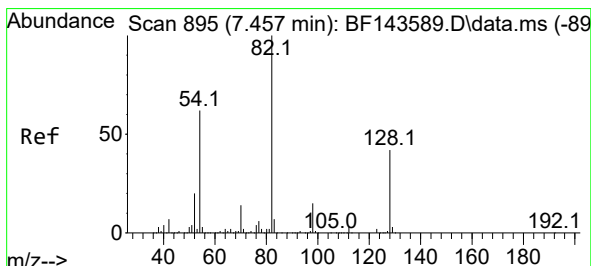
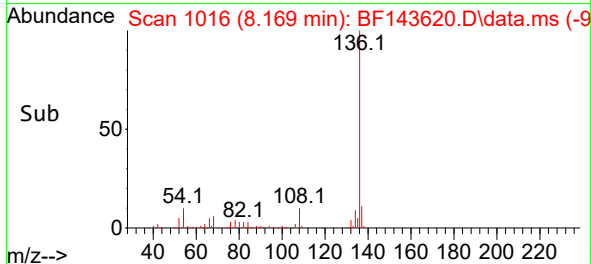
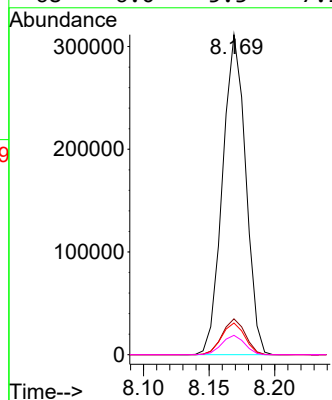
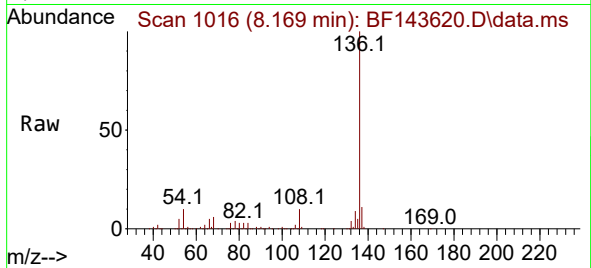




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

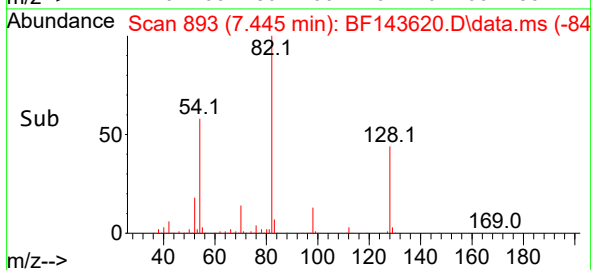
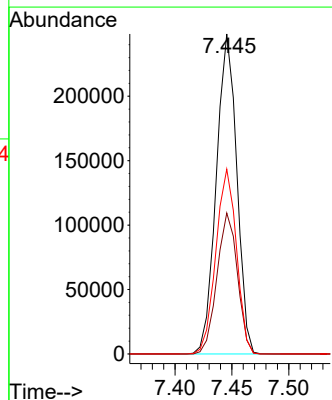
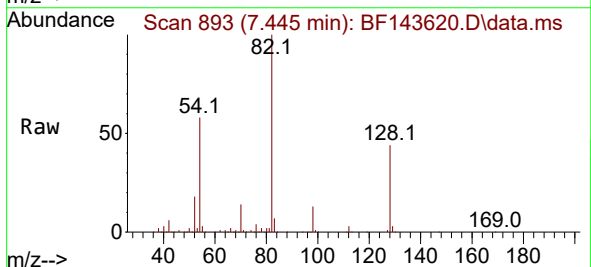
Instrument :
BNA_F
ClientSampleId :
TP4

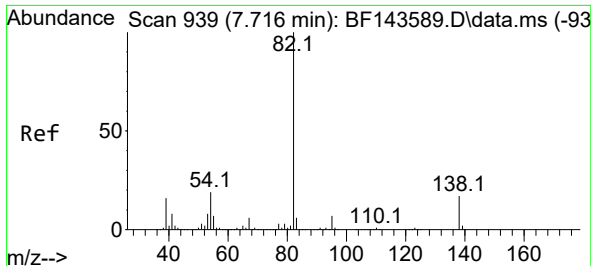
Tgt Ion:	136	Resp:	382160
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	9.0	13.6
68	6.0	5.3	7.9



#23
Nitrobenzene-d5
Concen: 58.196 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:	82	Resp:	311481
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.4	50.2
54	57.8	49.3	73.9

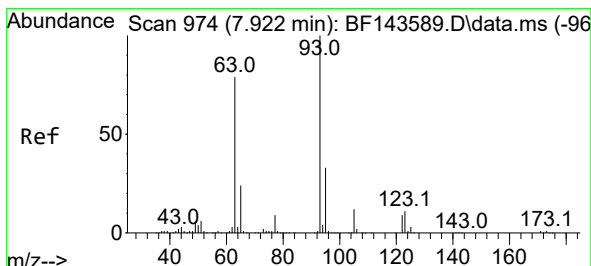
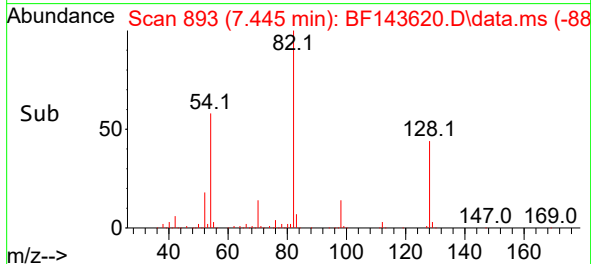
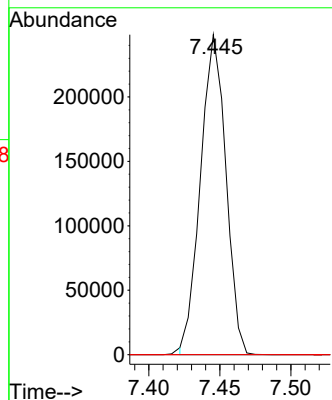
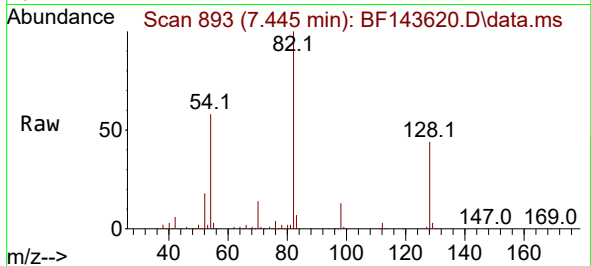




#25
Isophorone
Concen: 24.696 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

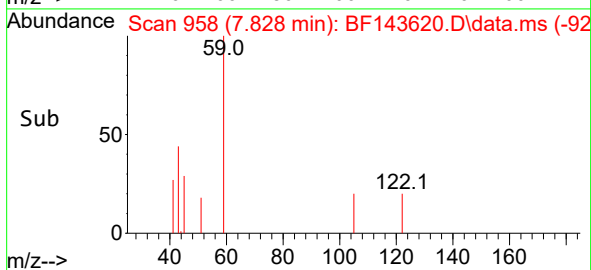
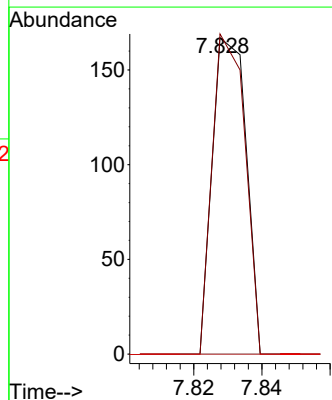
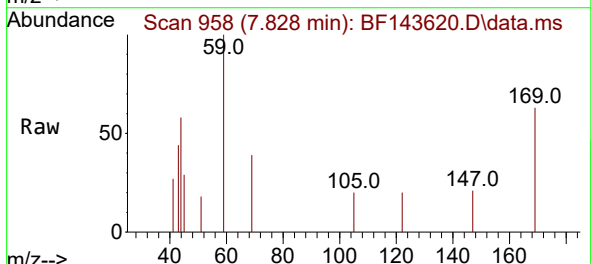
Instrument :
BNA_F
ClientSampleId :
TP4

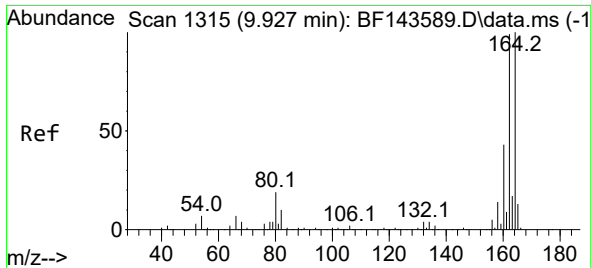
Tgt Ion: 82 Resp: 309322
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.357 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.094 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 101.2 106.4 146.4#
77 0.0 79.3 119.3#

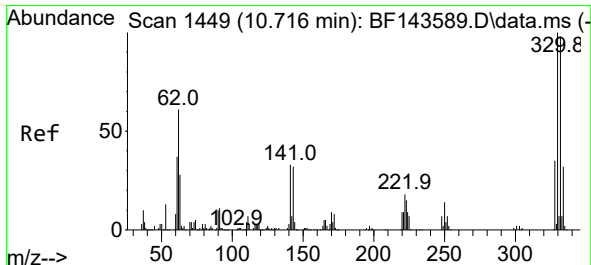
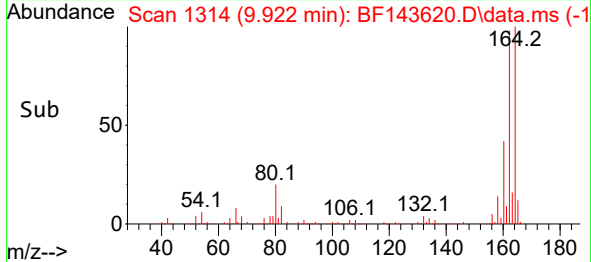
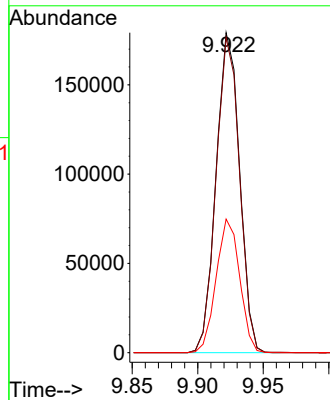
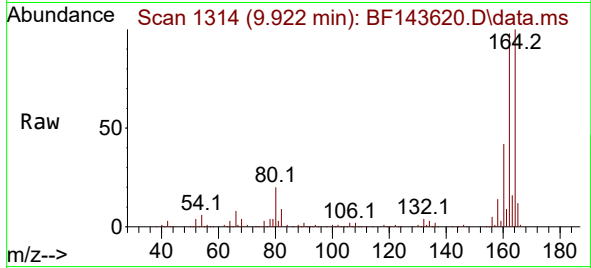




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

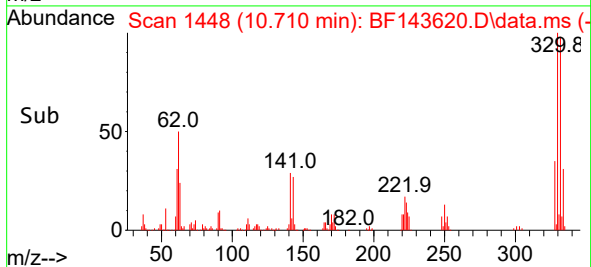
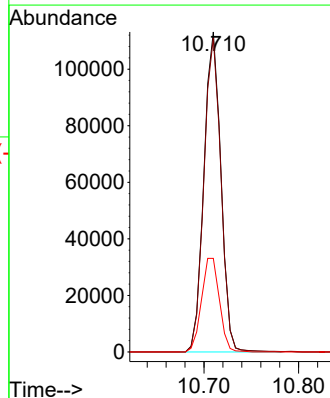
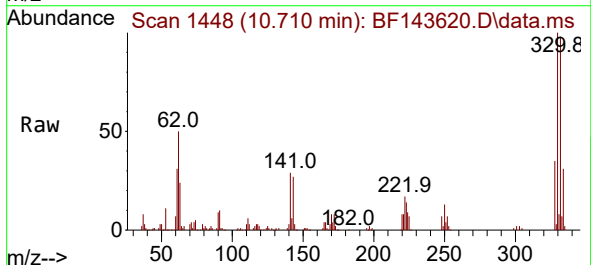
Instrument :
BNA_F
ClientSampleId :
TP4

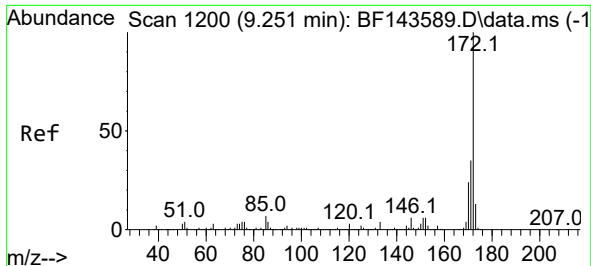
Tgt Ion:164 Resp: 223546
Ion Ratio Lower Upper
164 100
162 98.5 79.5 119.3
160 41.8 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 80.423 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:330 Resp: 140594
Ion Ratio Lower Upper
330 100
332 98.2 78.2 117.4
141 30.9 25.4 38.0

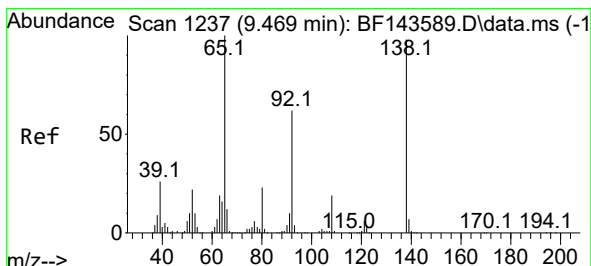
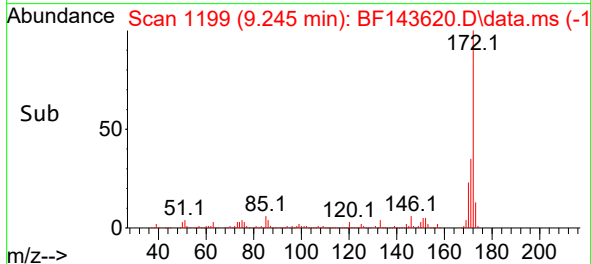
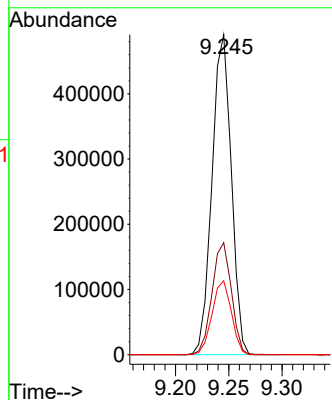
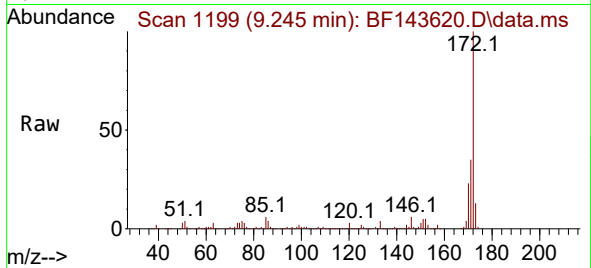




#45
2-Fluorobiphenyl
Concen: 47.333 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

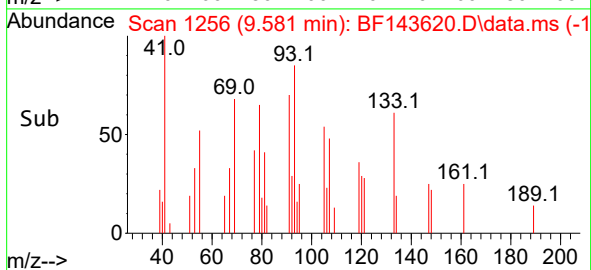
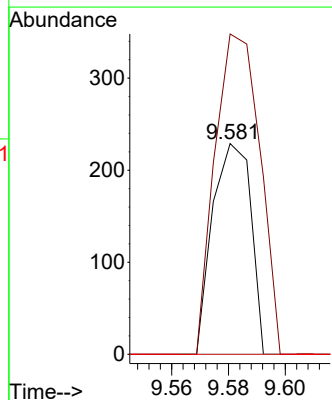
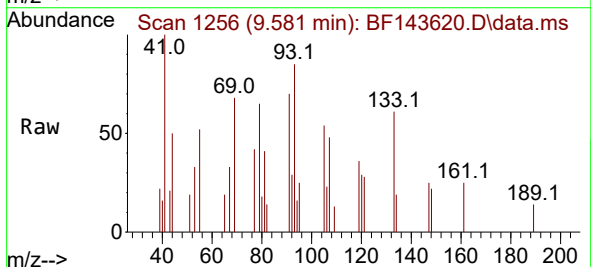
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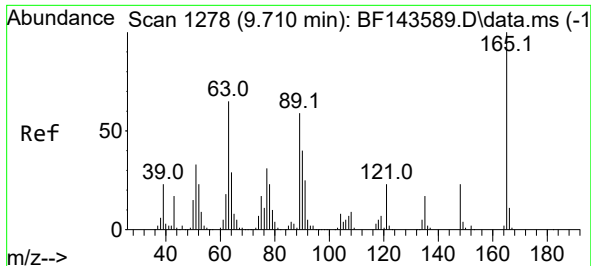
Tgt Ion:172 Resp: 618862
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.1 19.0 28.4



#48
2-Nitroaniline
Concen: 4.362 ng
RT: 9.581 min Scan# 1256
Delta R.T. 0.112 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion: 65 Resp: 214
Ion Ratio Lower Upper
65 100
92 152.0 49.6 74.4#
138 0.0 78.6 118.0#

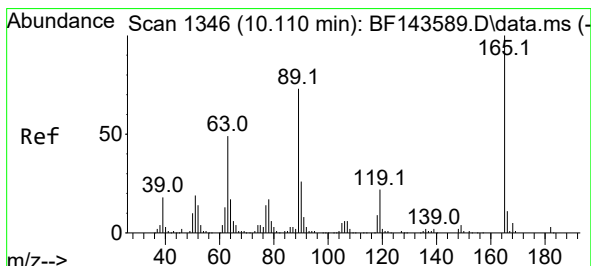
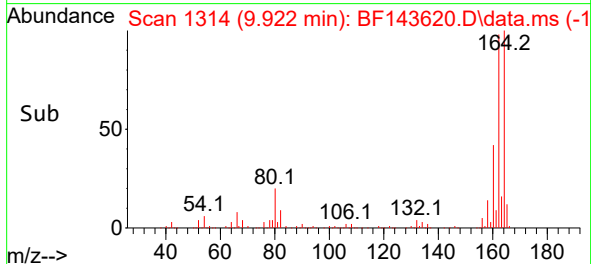
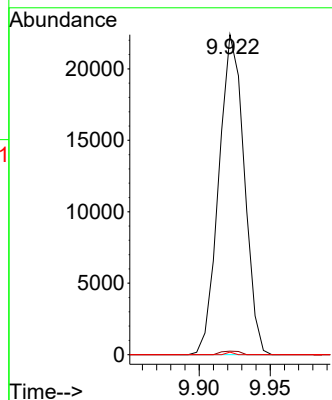
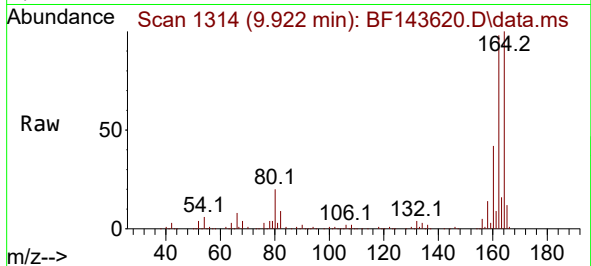




#51
2,6-Dinitrotoluene
Concen: 15.639 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.212 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

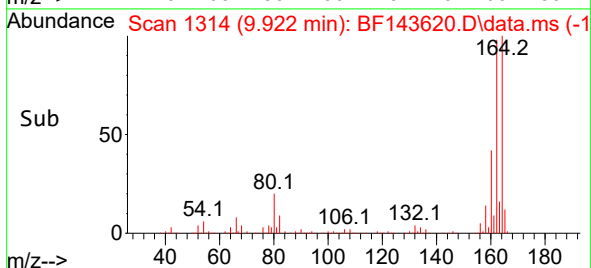
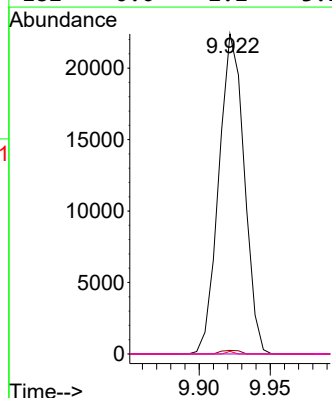
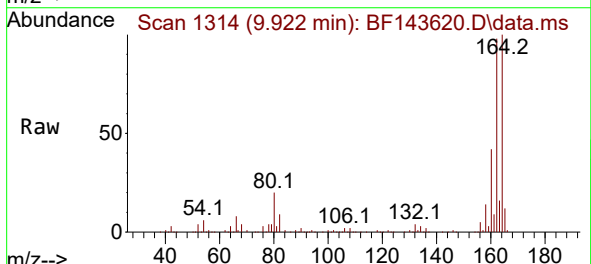
Instrument :
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ClientSampleId :
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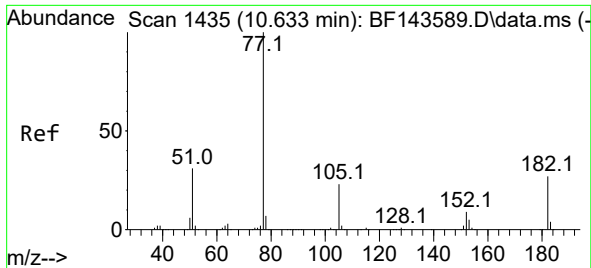
Tgt Ion:165 Resp: 27851
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.6#
89 0.8 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 13.109 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:165 Resp: 27851
Ion Ratio Lower Upper
165 100
63 1.1 39.5 59.3#
89 0.8 58.1 87.1#
182 0.0 2.2 3.2#

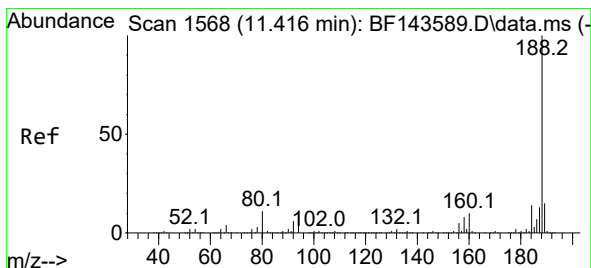
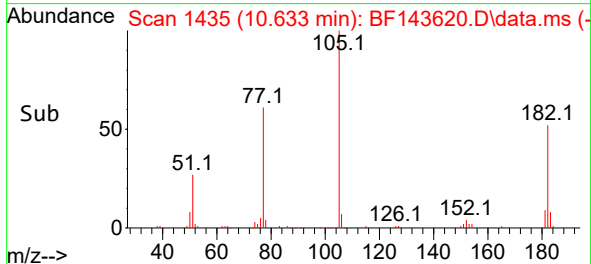
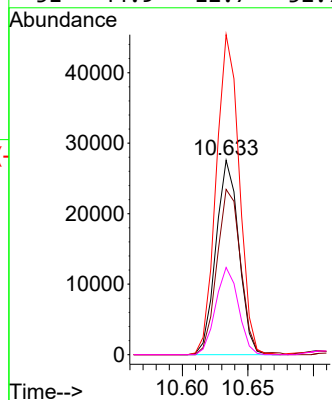
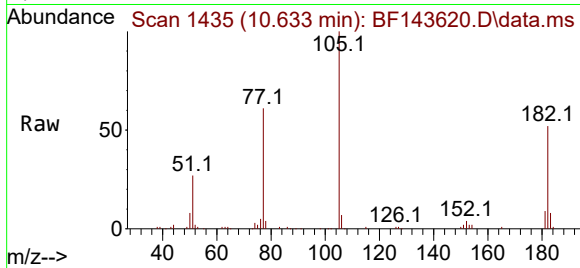




#63
 Azobenzene
 Concen: 2.559 ng
 RT: 10.633 min Scan# 1435
 Delta R.T. 0.000 min
 Lab File: BF143620.D
 Acq: 28 Aug 2025 20:12

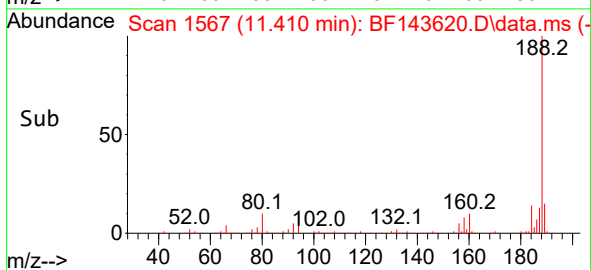
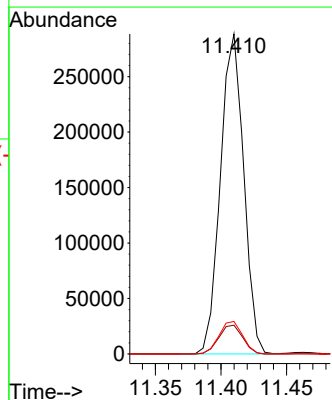
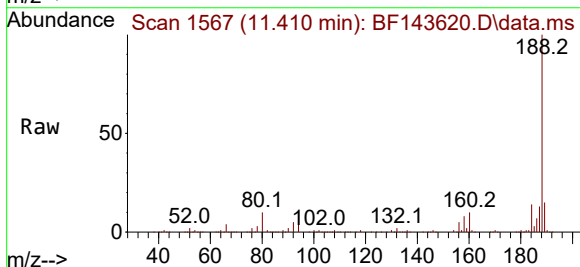
Instrument :
 BNA_F
 ClientSampleId :
 TP4

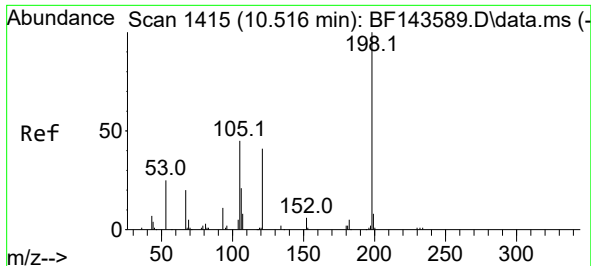
Tgt Ion: 77 Resp: 33438
 Ion Ratio Lower Upper
 77 100
 182 85.1 6.3 46.3#
 105 164.6 2.4 42.4#
 51 44.9 12.7 52.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143620.D
 Acq: 28 Aug 2025 20:12

Tgt Ion:188 Resp: 355974
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.4
 80 10.2 8.9 13.3

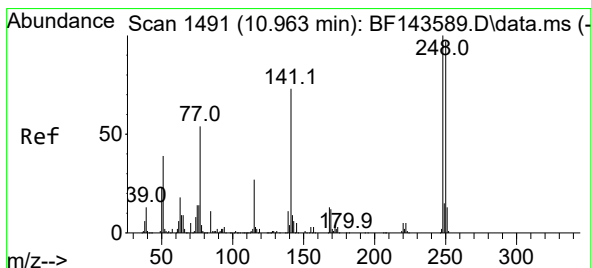
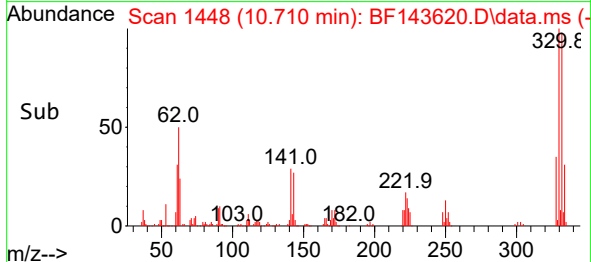
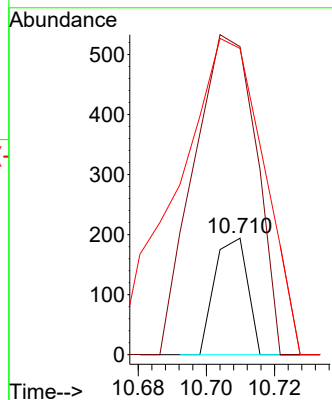
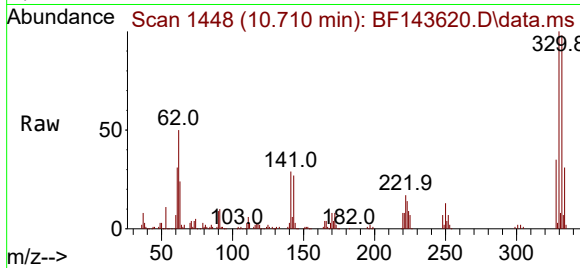




#65
4,6-Dinitro-2-methylphenol
Concen: 7.812 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

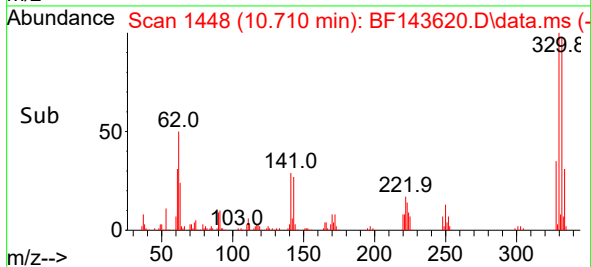
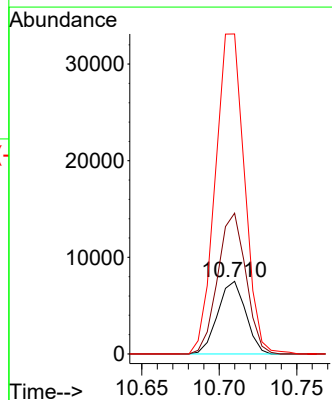
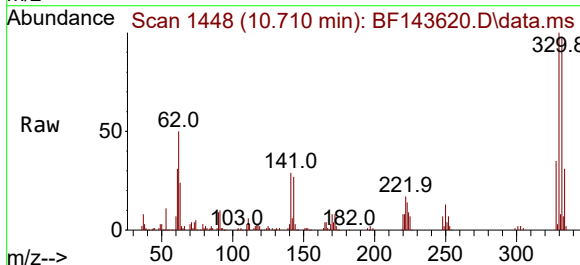
Instrument :
BNA_F
ClientSampleId :
TP4

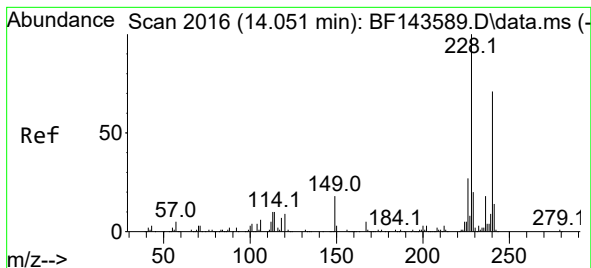
Tgt Ion:198 Resp: 130
Ion Ratio Lower Upper
198 100
51 264.4 41.5 81.5#
105 262.9 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 2.449 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:248 Resp: 9428
Ion Ratio Lower Upper
248 100
250 193.9 77.8 116.6#
141 440.8 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: BF143620.D

Acq: 28 Aug 2025 20:12

Instrument :

BNA_F

ClientSampleId :

TP4

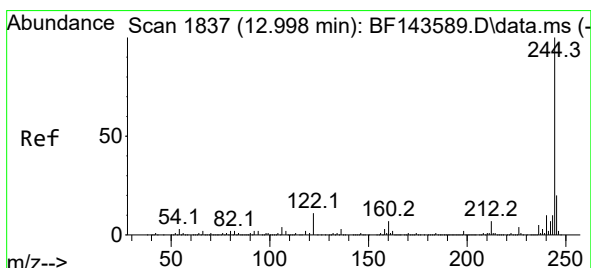
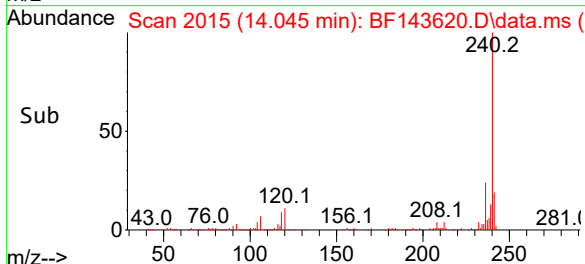
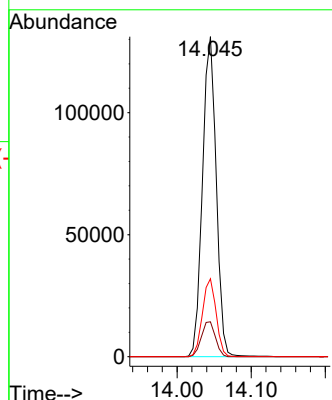
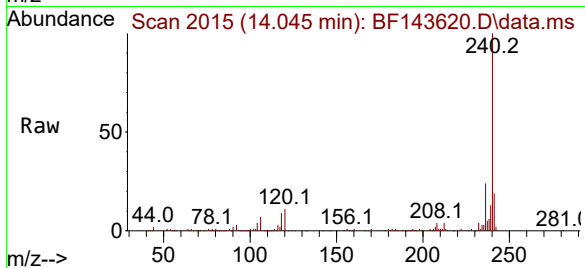
Tgt Ion:240 Resp: 168902

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

236 24.4 20.2 30.2



#79

Terphenyl-d14

Concen: 56.768 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143620.D

Acq: 28 Aug 2025 20:12

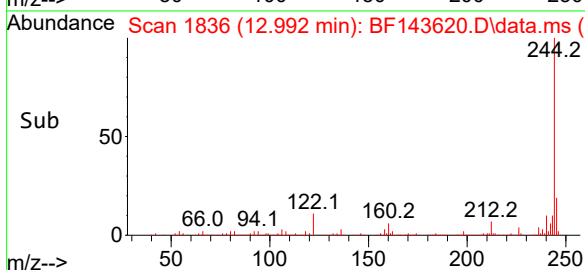
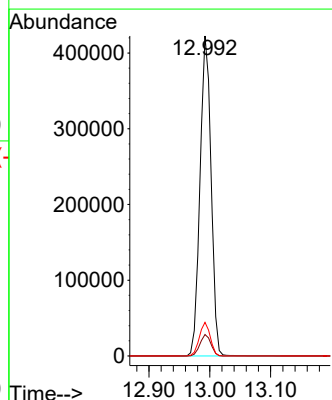
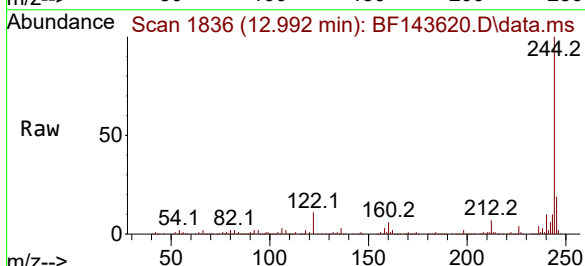
Tgt Ion:244 Resp: 534313

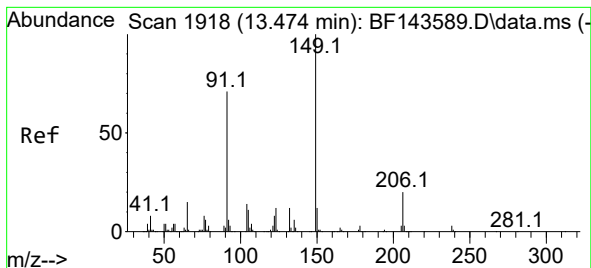
Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 10.5 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.680 ng

RT: 13.633 min Scan# 1918

Delta R.T. 0.159 min

Lab File: BF143620.D

Acq: 28 Aug 2025 20:12

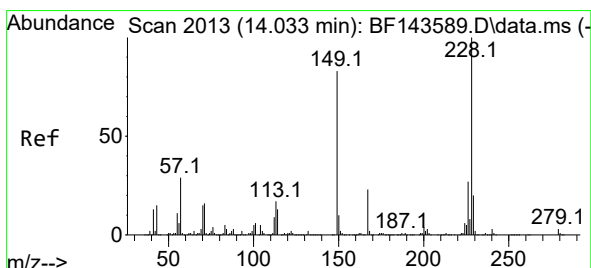
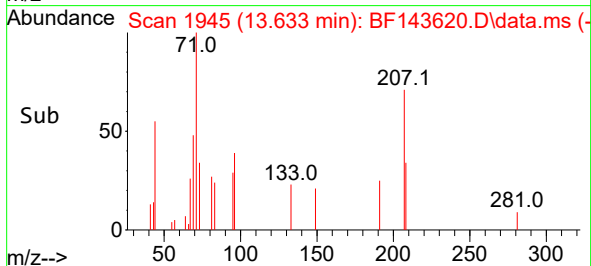
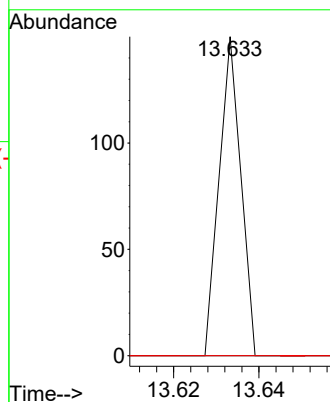
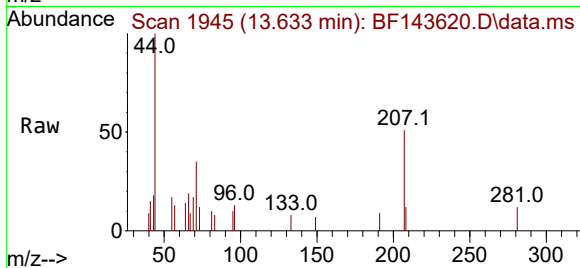
Instrument :

BNA_F

ClientSampleId :

TP4

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: 3.349 ng

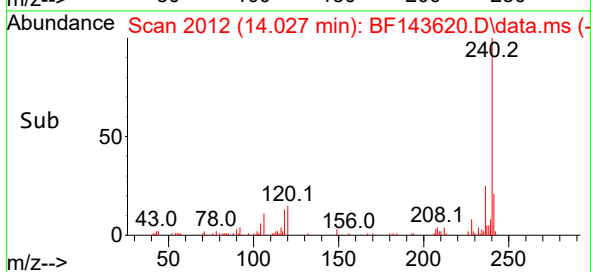
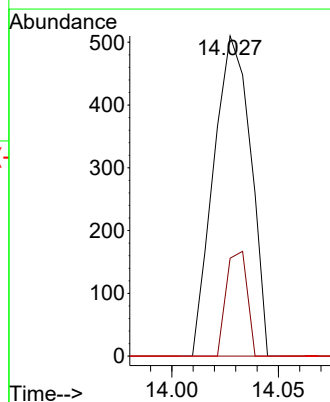
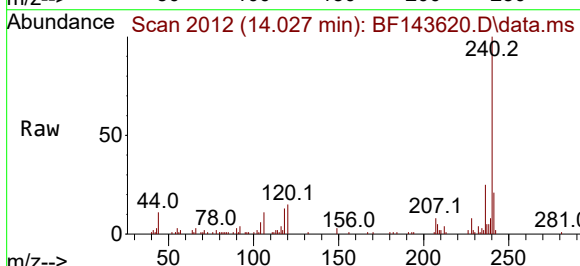
RT: 14.027 min Scan# 2012

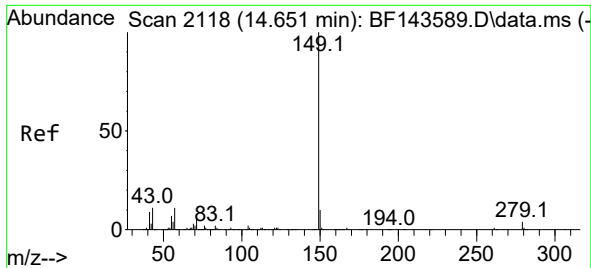
Delta R.T. -0.006 min

Lab File: BF143620.D

Acq: 28 Aug 2025 20:12

Tgt Ion:	149	Resp:	618
Ion	Ratio	Lower	Upper
149	100		
167	30.6	21.8	32.8
279	0.0	2.9	4.3#

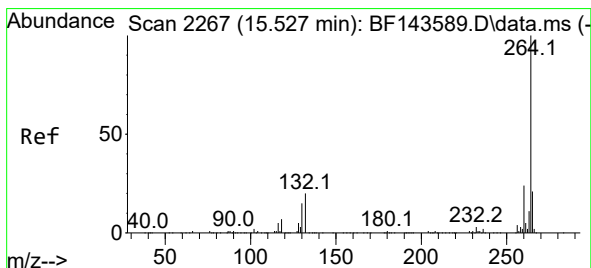
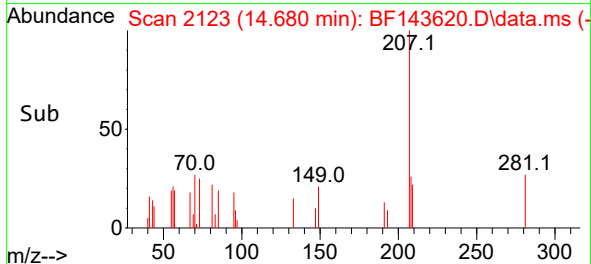
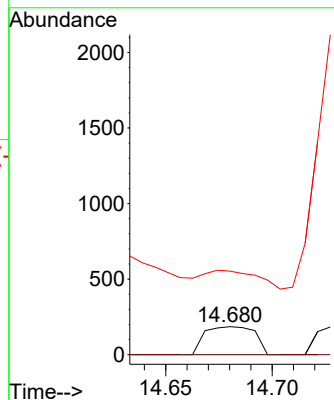
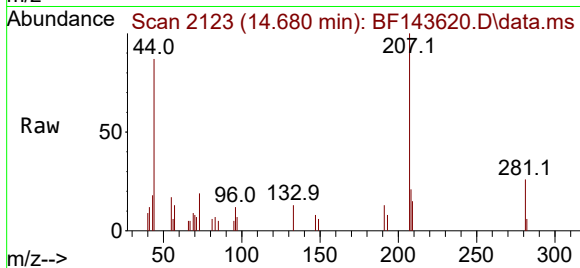




#85
Di-n-octyl phthalate
Concen: 5.895 ng
RT: 14.680 min Scan# 2118
Delta R.T. 0.029 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Instrument :
BNA_F
ClientSampleId :
TP4

Tgt Ion:149 Resp: 302
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# 2266
Delta R.T. -0.006 min
Lab File: BF143620.D
Acq: 28 Aug 2025 20:12

Tgt Ion:264 Resp: 196935
Ion Ratio Lower Upper
264 100
260 23.0 18.9 28.3
265 21.5 17.0 25.4

