

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142396.D
 Acq On : 15 May 2025 17:12
 Operator : RC/JU
 Sample : Q2022-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 336

Quant Time: May 15 17:45:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

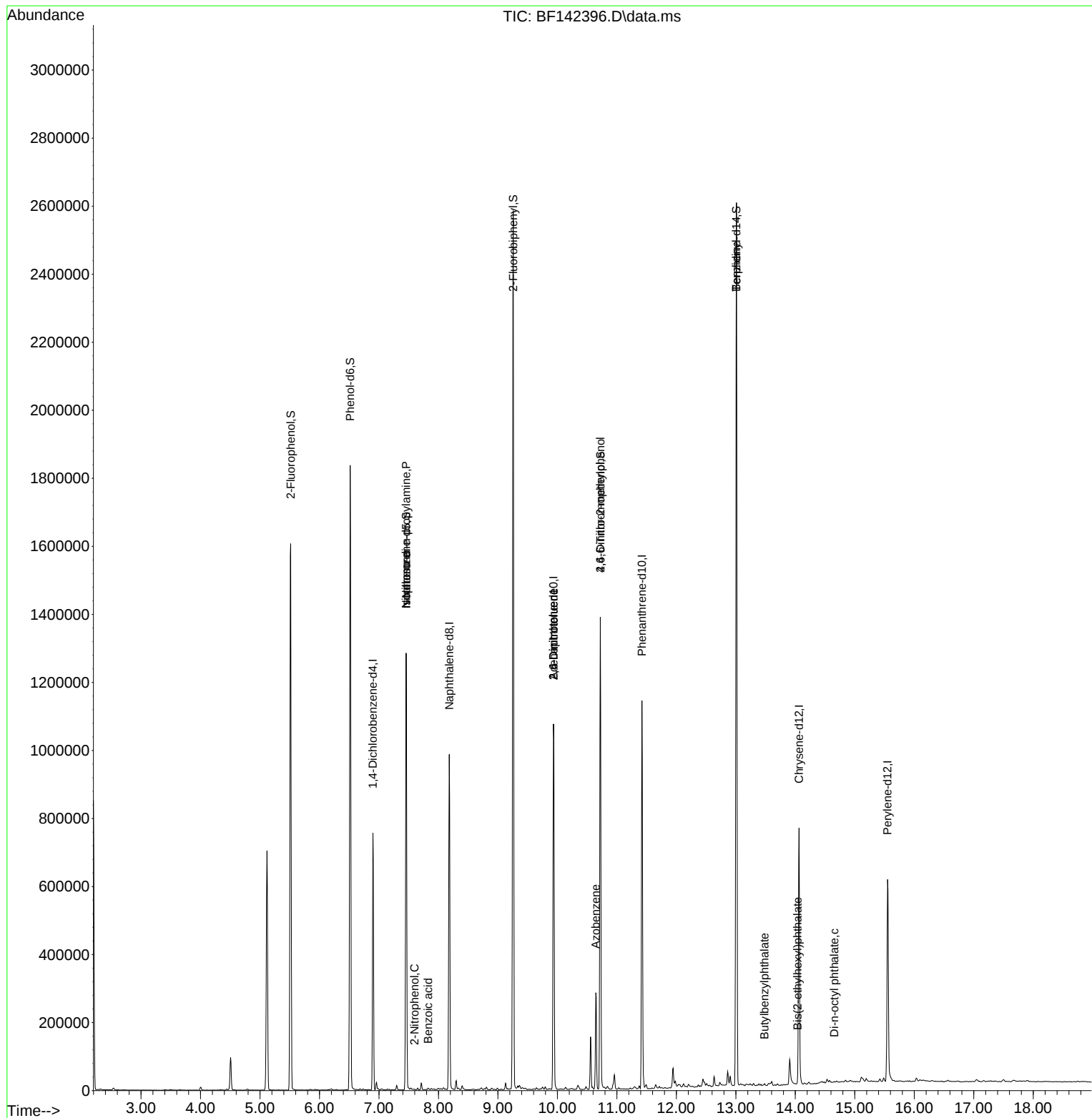
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	161564	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	620272	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	335352	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	579228	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	364052	20.000	ng	0.00
86) Perylene-d12	15.551	264	353829	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	631198	66.692	ng	0.00
7) Phenol-d6	6.516	99	863543	74.185	ng	0.00
23) Nitrobenzene-d5	7.457	82	529867	52.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	246428	76.111	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1171813	49.824	ng	0.00
79) Terphenyl-d14	13.010	244	1260625	51.253	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.457	70	69967	9.717	ng	# 77
25) Isophorone	7.457	82	524245	27.220	ng	# 62
26) 2-Nitrophenol	7.598	139	129	4.113	ng	# 36
32) Benzoic acid	7.828	122	1136	6.239	ng	# 13
51) 2,6-Dinitrotoluene	9.933	165	43879	10.886	ng	# 23
57) 2,4-Dinitrotoluene	9.933	165	43879	8.487	ng	# 24
63) Azobenzene	10.645	77	71473	3.478	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	429	7.320	ng	# 1
77) Benzidine	13.010	184	15396	2.327	ng	# 97
80) Butylbenzylphthalate	13.480	149	1385	3.794	ng	# 97
84) Bis(2-ethylhexyl)phtha...	14.039	149	3979	4.532	ng	# 92
85) Di-n-octyl phthalate	14.657	149	1521	7.897	ng	# 81

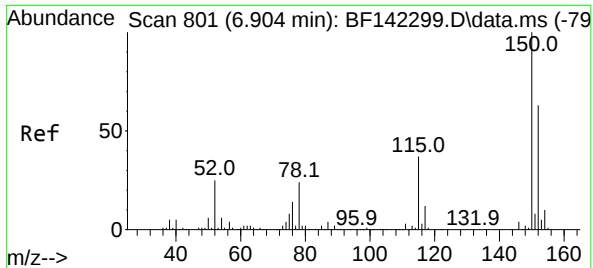
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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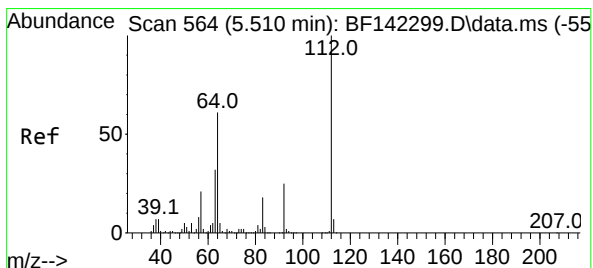
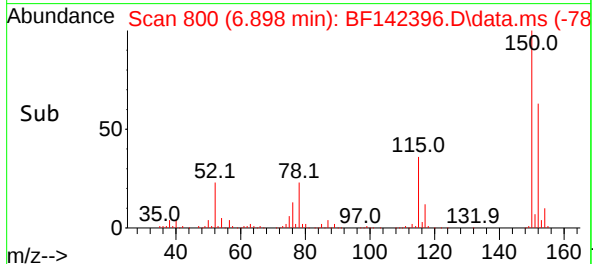
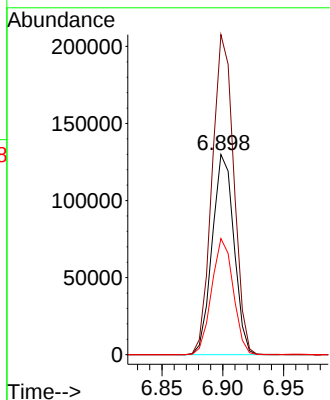
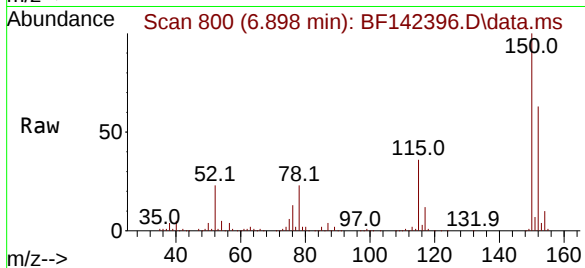




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

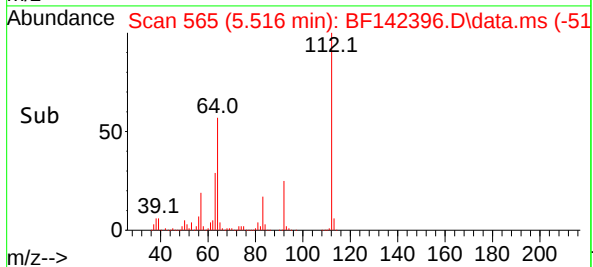
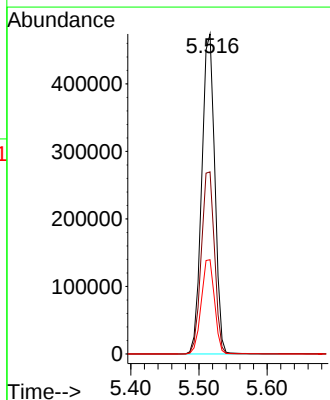
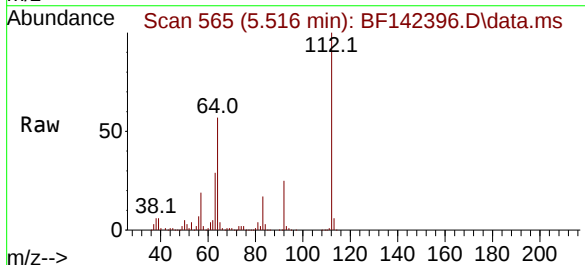
Instrument :
BNA_F
ClientSampleId :
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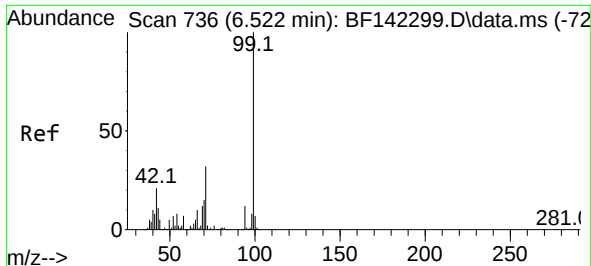
Tgt Ion:152 Resp: 161564
Ion Ratio Lower Upper
152 100
150 159.8 126.6 190.0
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 66.692 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:112 Resp: 631198
Ion Ratio Lower Upper
112 100
64 56.9 48.9 73.3
63 29.5 25.6 38.4

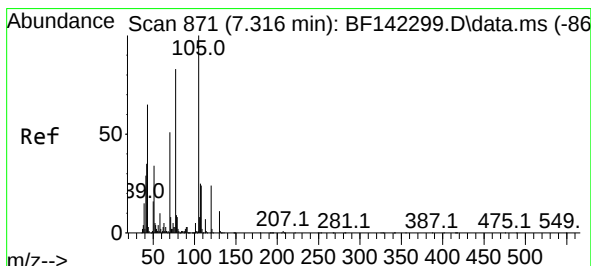
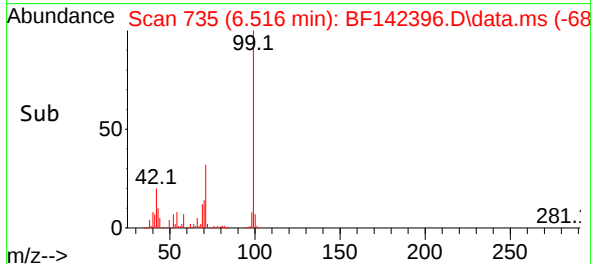
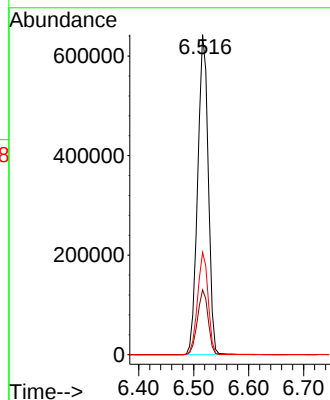
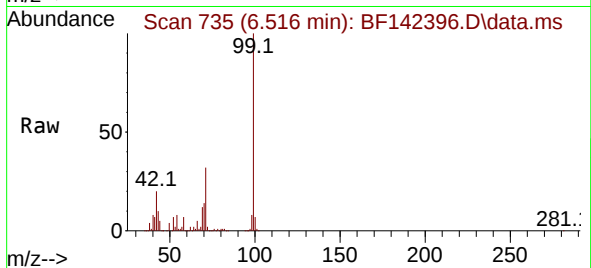




#7
Phenol-d6
Concen: 74.185 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

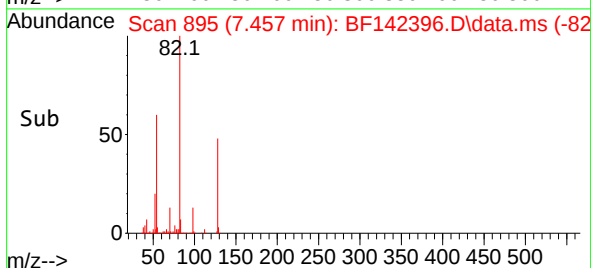
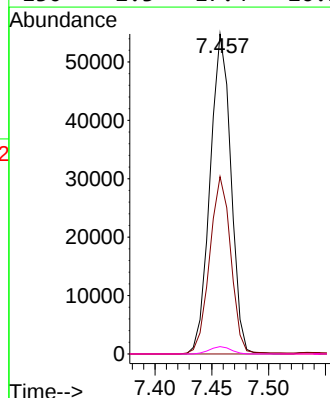
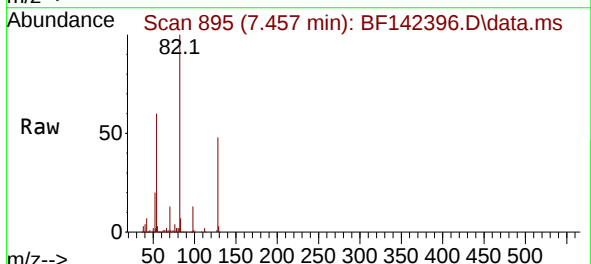
Instrument :
BNA_F
ClientSampleId :
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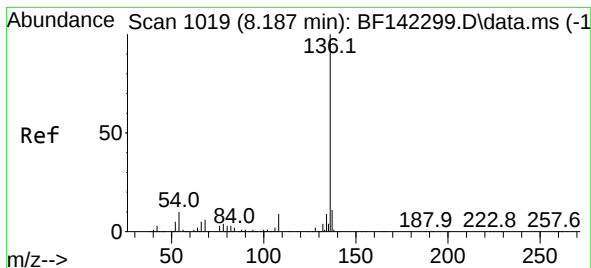
Tgt Ion: 99 Resp: 863543
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.4
71 32.0 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.717 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion: 70 Resp: 69967
Ion Ratio Lower Upper
70 100
42 55.4 54.8 82.2
101 0.0 7.7 11.5#
130 2.3 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142396.D

Acq: 15 May 2025 17:12

Instrument :

BNA_F

ClientSampleId :

336

Tgt Ion:136 Resp: 620272

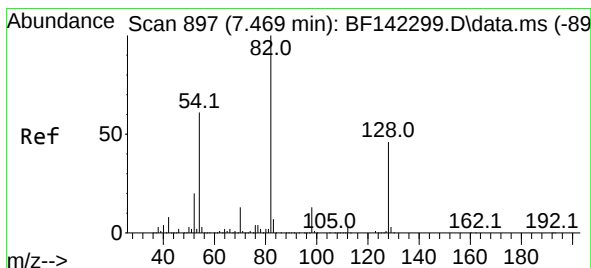
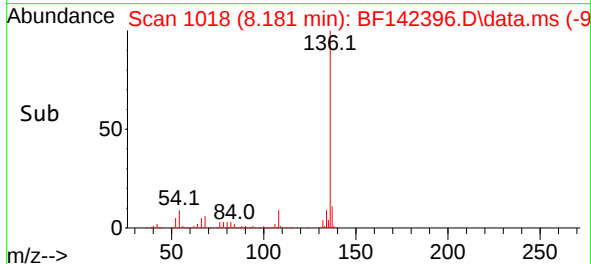
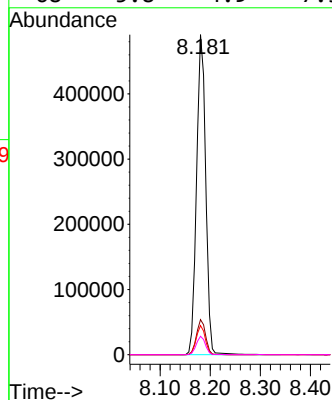
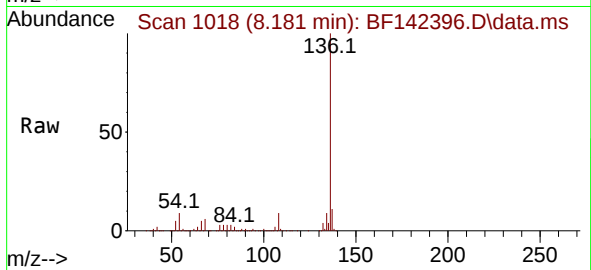
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.1 7.7 11.5

68 5.8 4.9 7.3



#23

Nitrobenzene-d5

Concen: 52.098 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142396.D

Acq: 15 May 2025 17:12

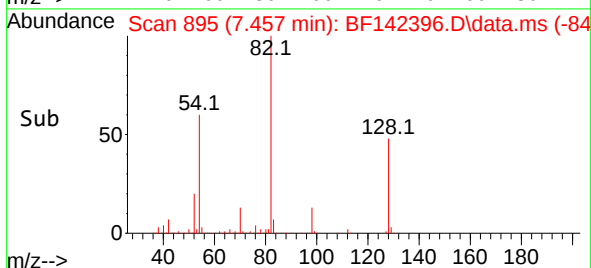
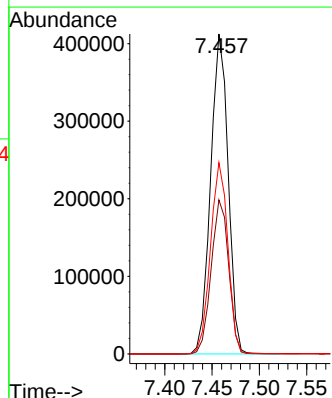
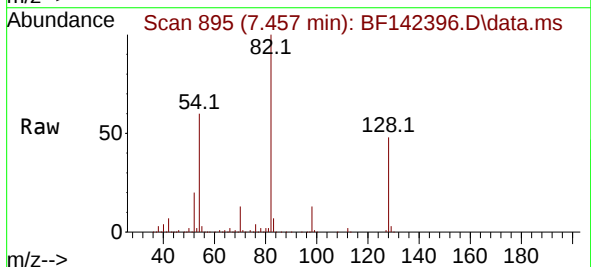
Tgt Ion: 82 Resp: 529867

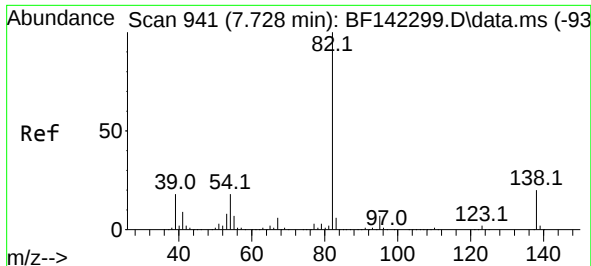
Ion Ratio Lower Upper

82 100

128 48.1 37.0 55.6

54 59.8 48.6 73.0

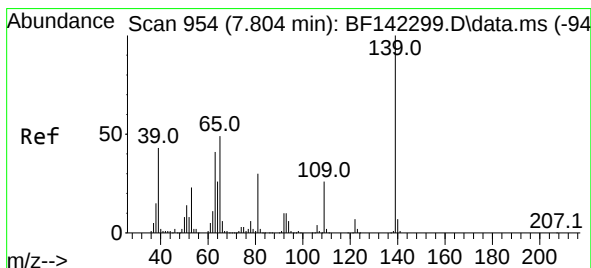
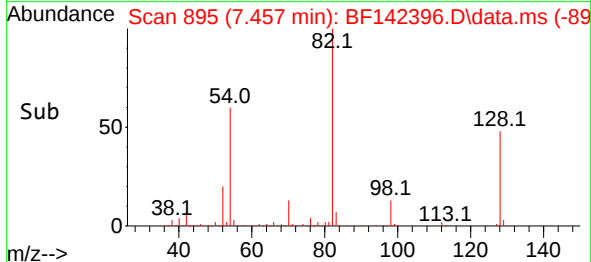
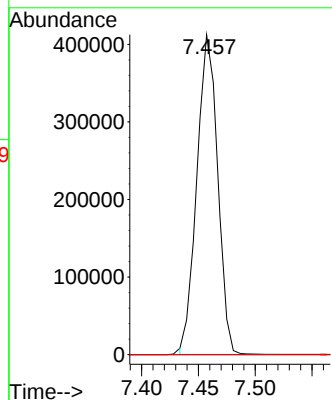
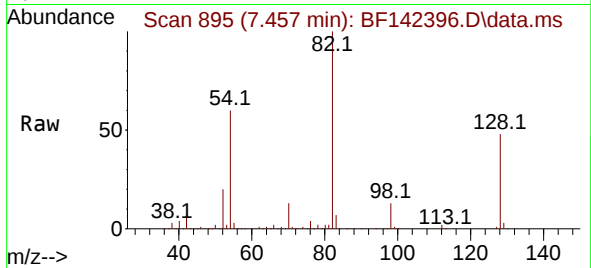




#25
Isophorone
Concen: 27.220 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

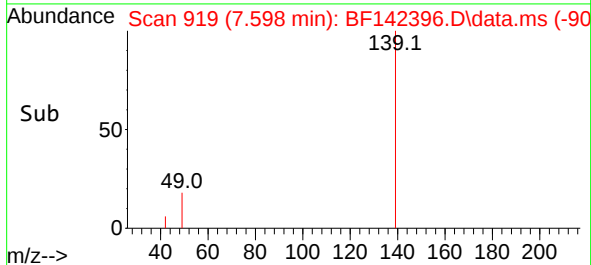
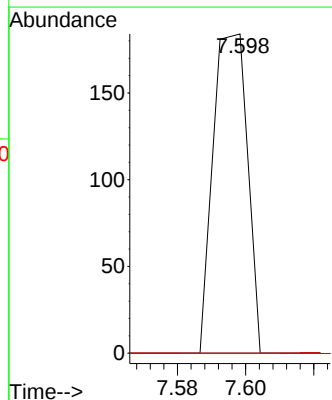
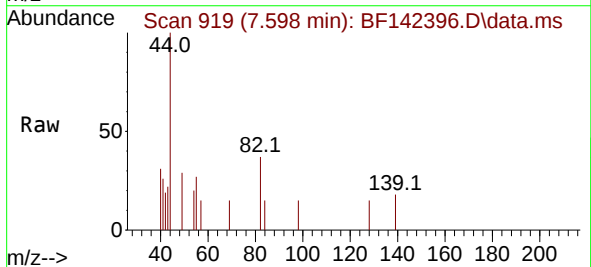
Instrument :
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ClientSampleId :
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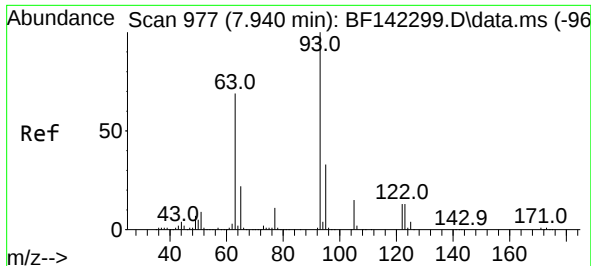
Tgt Ion: 82 Resp: 524245
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.113 ng
RT: 7.598 min Scan# 919
Delta R.T. -0.206 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion: 139 Resp: 129
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

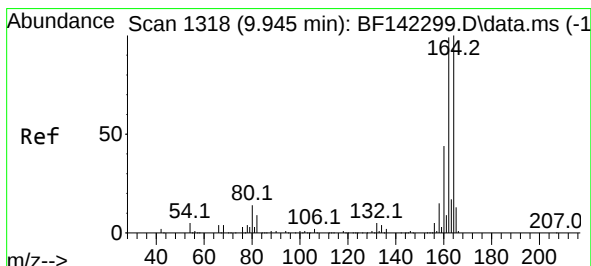
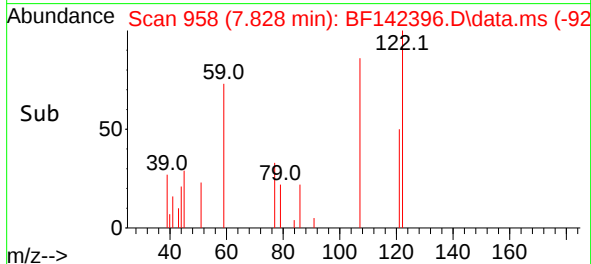
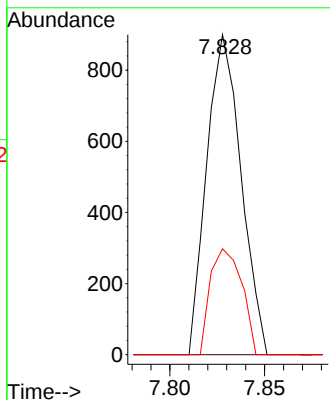
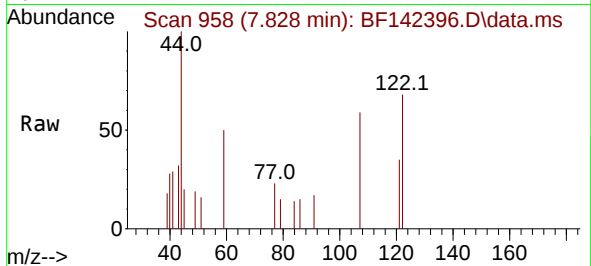




#32
Benzoic acid
Concen: 6.239 ng
RT: 7.828 min Scan# 91
Delta R.T. -0.112 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

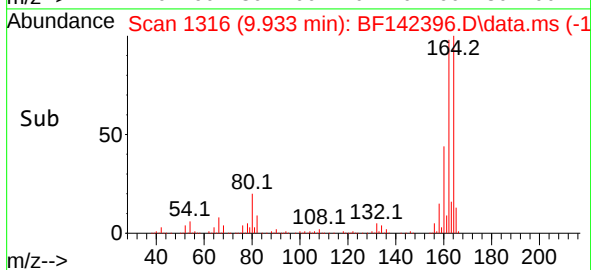
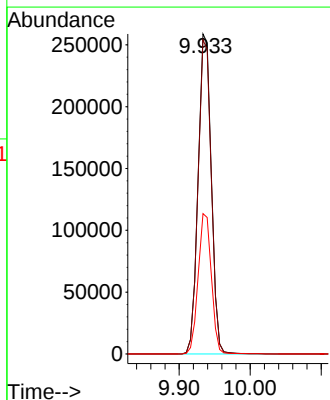
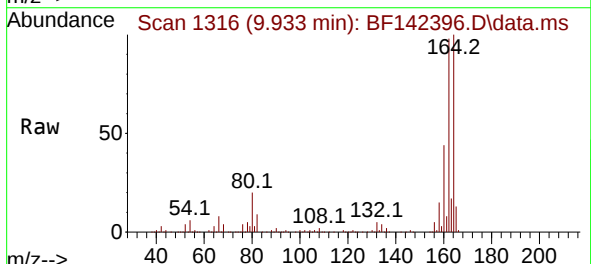
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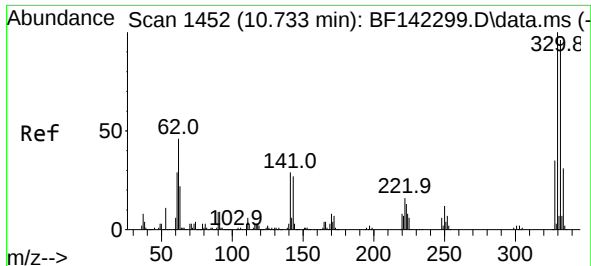
Tgt Ion:122 Resp: 1136
Ion Ratio Lower Upper
122 100
105 0.0 97.9 137.9#
77 33.1 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:164 Resp: 335352
Ion Ratio Lower Upper
164 100
162 98.2 79.2 118.8
160 43.9 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 76.111 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF142396.D

Acq: 15 May 2025 17:12

Instrument :

BNA_F

ClientSampleId :

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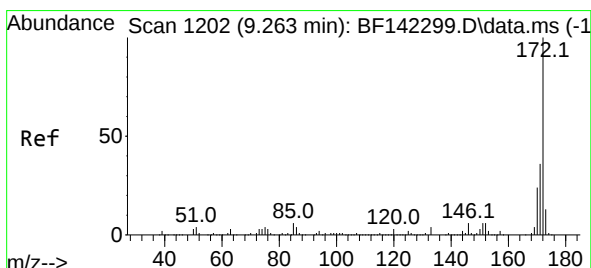
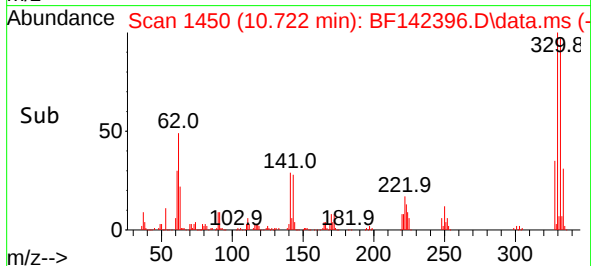
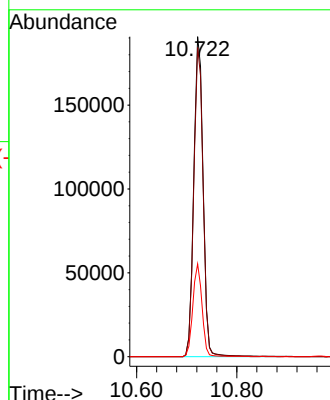
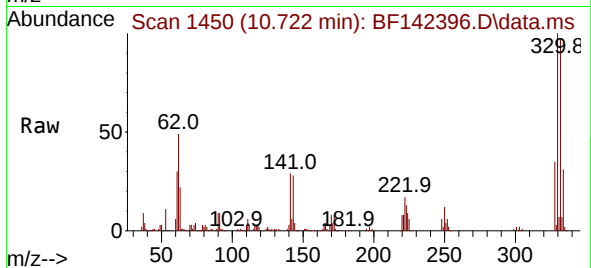
Tgt Ion:330 Resp: 246428

Ion Ratio Lower Upper

330 100

332 96.4 76.8 115.2

141 28.6 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 49.824 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142396.D

Acq: 15 May 2025 17:12

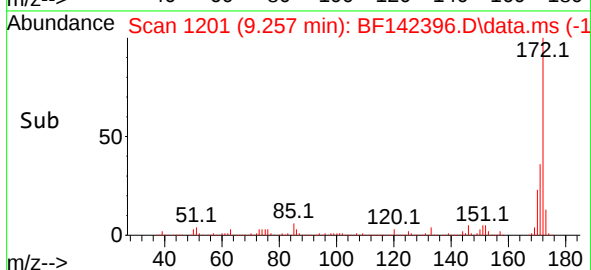
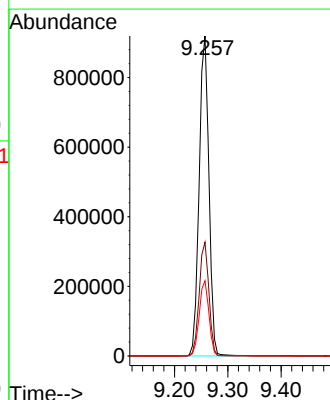
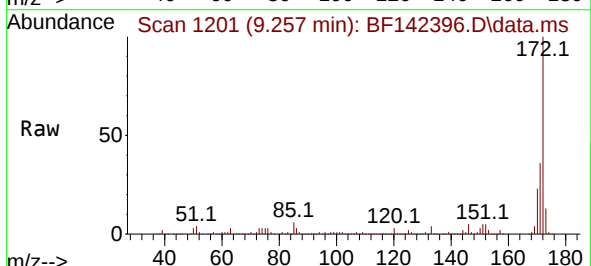
Tgt Ion:172 Resp: 1171813

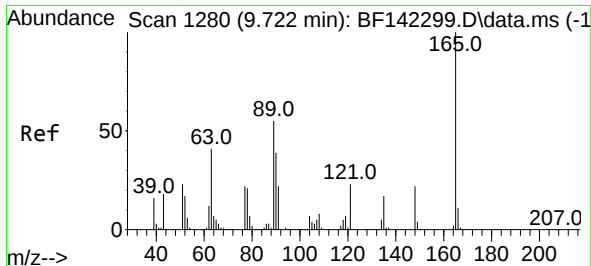
Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.5 19.0 28.4

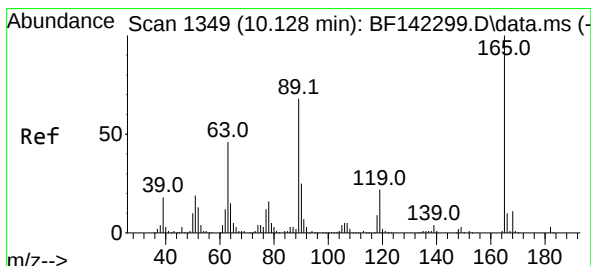
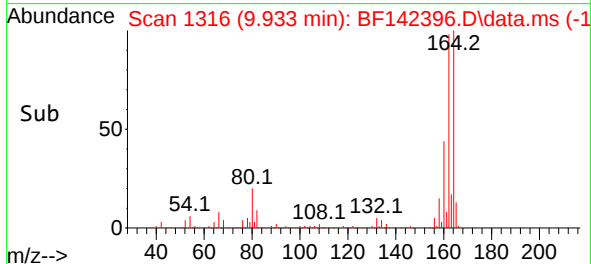
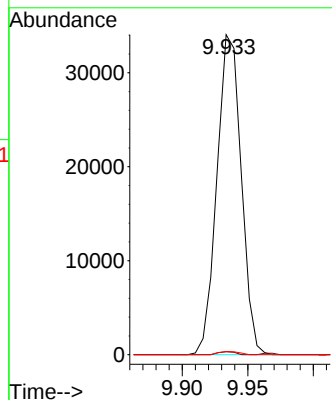
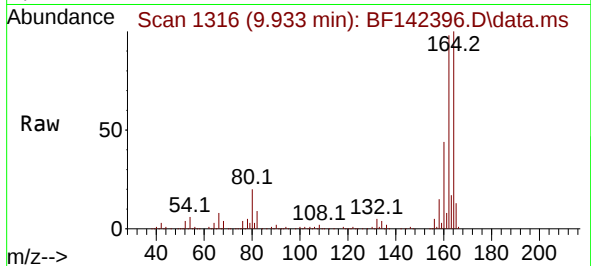




#51
2,6-Dinitrotoluene
Concen: 10.886 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

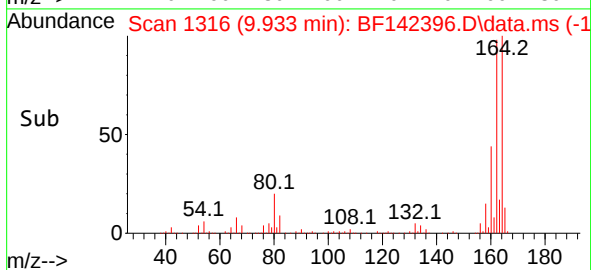
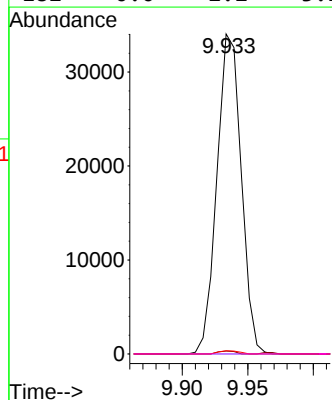
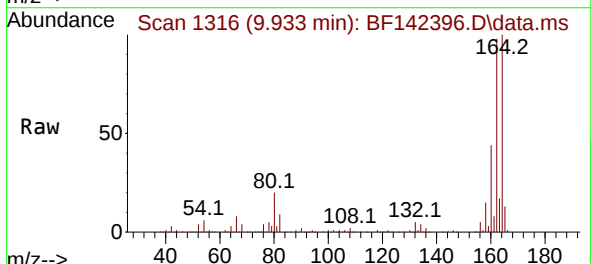
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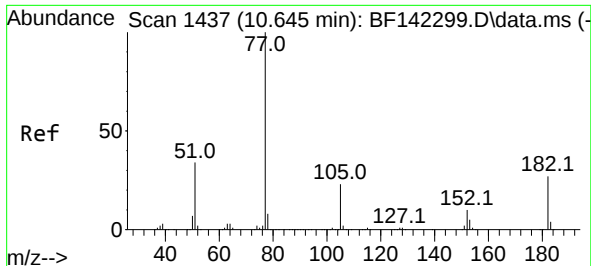
Tgt Ion:165 Resp: 43879
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 1.0 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.487 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.194 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:165 Resp: 43879
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.0 54.4 81.6#
182 0.0 2.2 3.2#

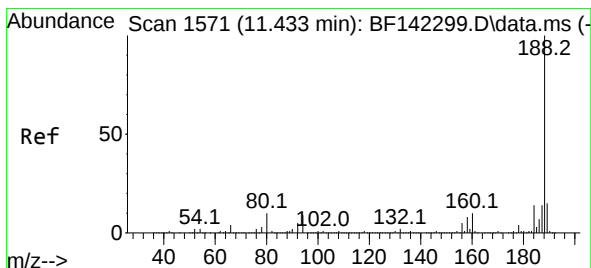
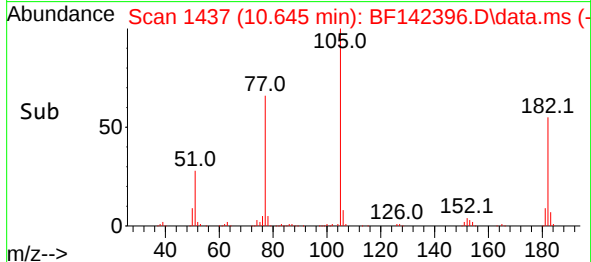
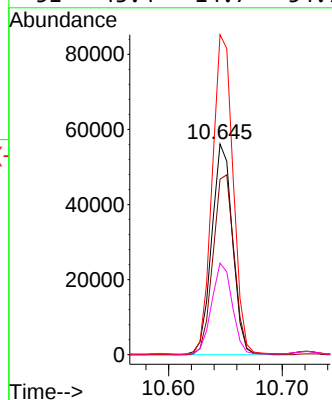
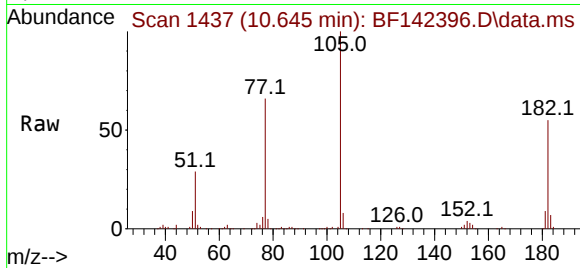




#63
Azobenzene
Concen: 3.478 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

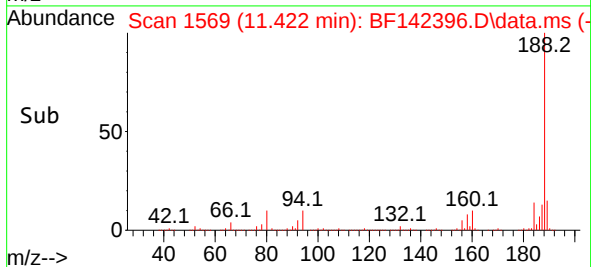
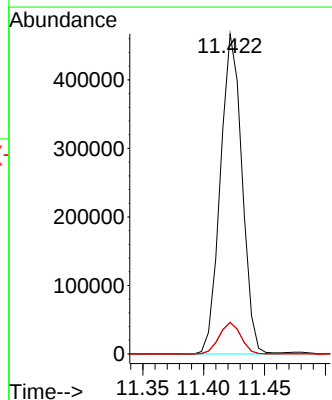
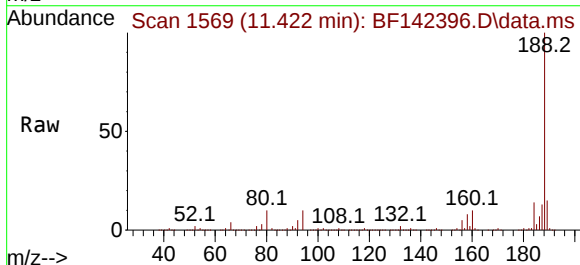
Instrument :
BNA_F
ClientSampleId :
336

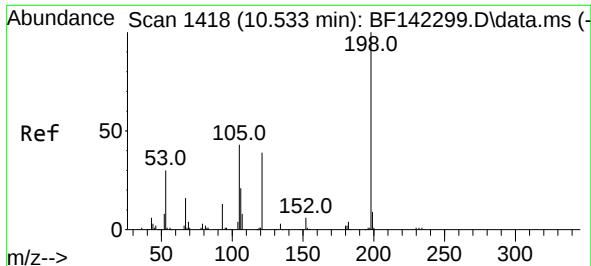
Tgt Ion: 77 Resp: 71473
Ion Ratio Lower Upper
77 100
182 83.3 6.9 46.9#
105 151.9 2.7 42.7#
51 43.4 14.7 54.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:188 Resp: 579228
Ion Ratio Lower Upper
188 100
94 9.9 7.5 11.3
80 9.9 7.9 11.9

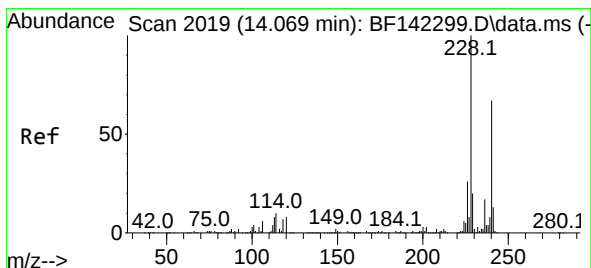
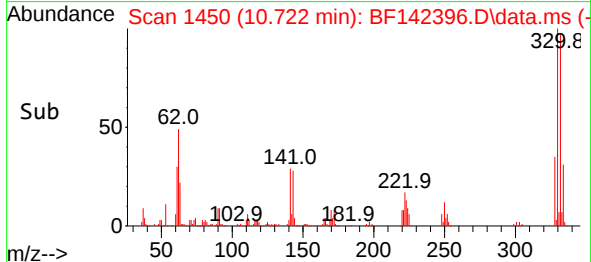
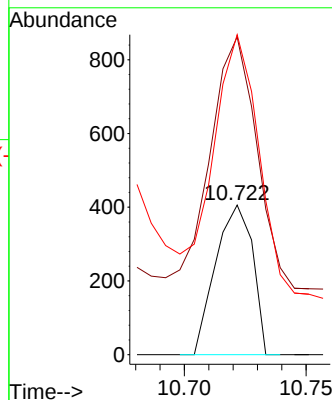
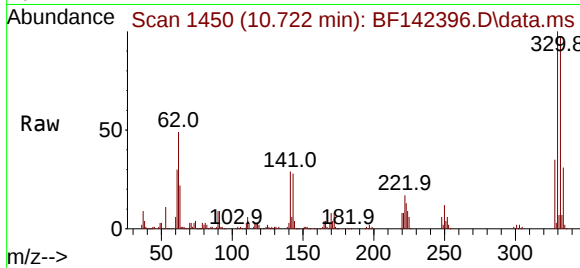




#65
4,6-Dinitro-2-methylphenol
Concen: 7.320 ng
RT: 10.722 min Scan# 1418
Delta R.T. 0.189 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

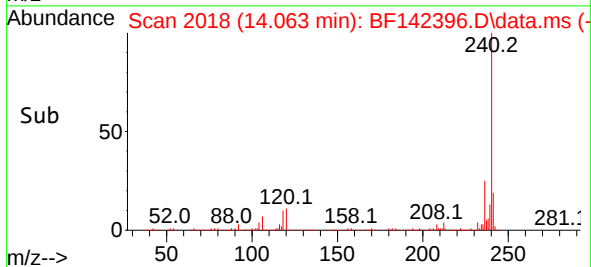
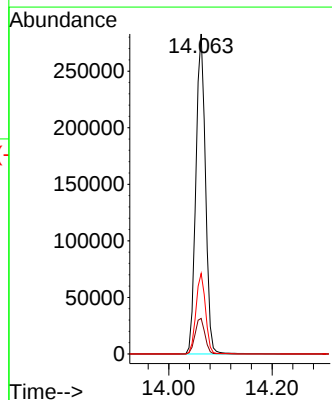
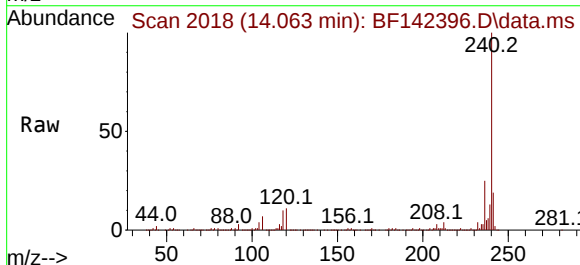
Instrument :
BNA_F
ClientSampleId :
336

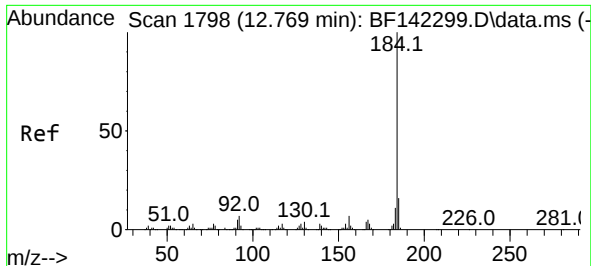
Tgt Ion:198 Resp: 429
Ion Ratio Lower Upper
198 100
51 212.3 32.9 72.9#
105 213.8 23.7 63.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:240 Resp: 364052
Ion Ratio Lower Upper
240 100
120 11.1 9.7 14.5
236 25.2 20.0 30.0

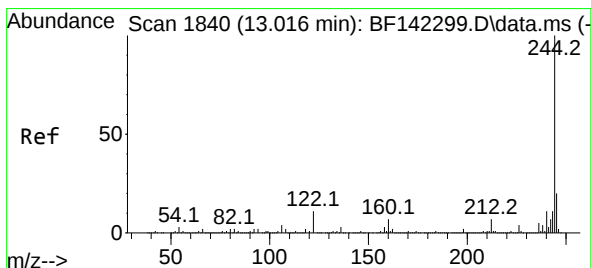
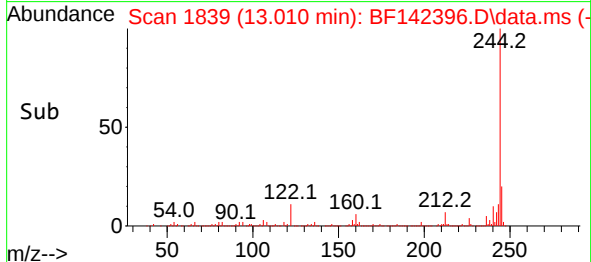
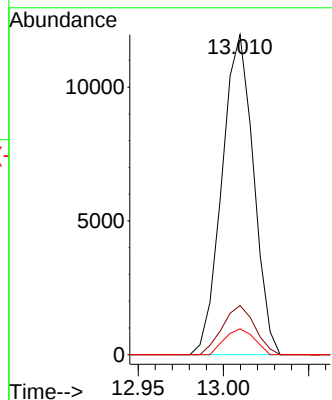
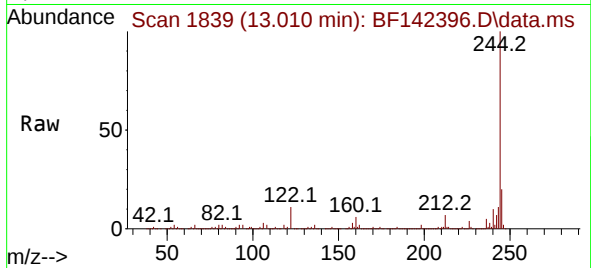




#77
Benzidine
Concen: 2.327 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.241 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

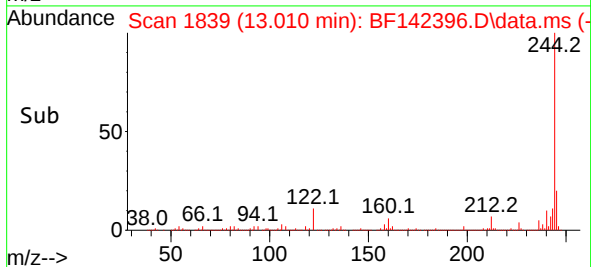
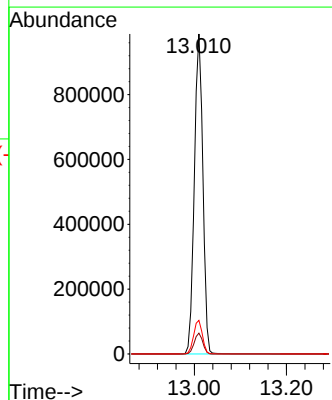
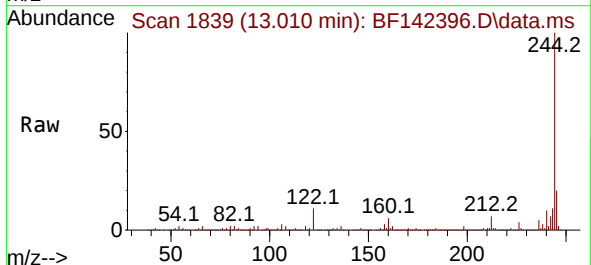
Instrument :
BNA_F
ClientSampleId :
336

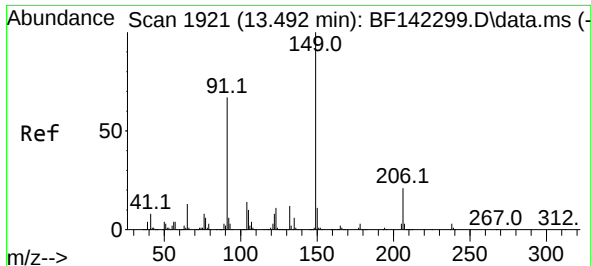
Tgt Ion:184 Resp: 15396
Ion Ratio Lower Upper
184 100
185 15.4 12.6 18.8
183 8.1 8.6 12.8#



#79
Terphenyl-d14
Concen: 51.253 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:244 Resp: 1260625
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.5 9.0 13.4

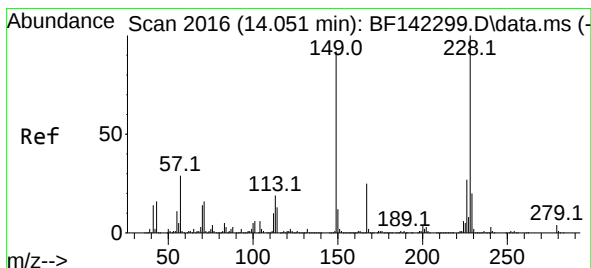
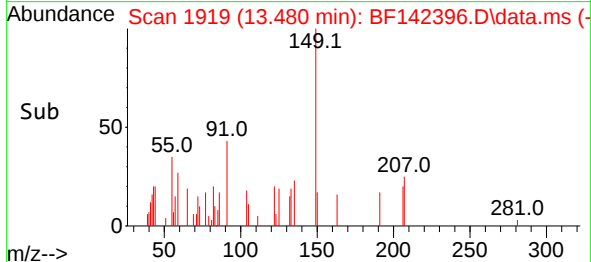
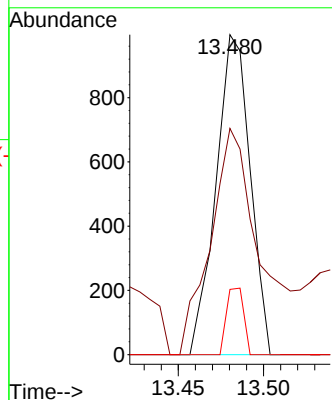
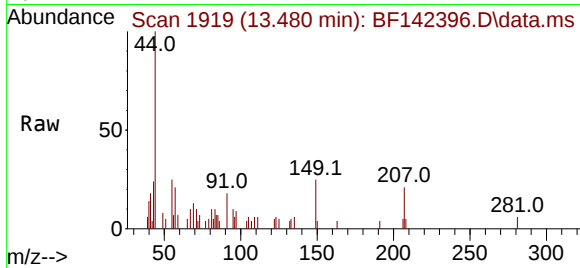




#80
Butylbenzylphthalate
Concen: 3.794 ng
RT: 13.480 min Scan# 1919
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

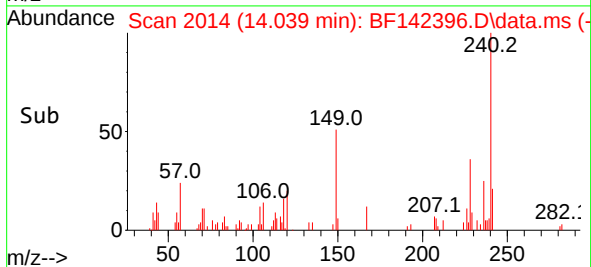
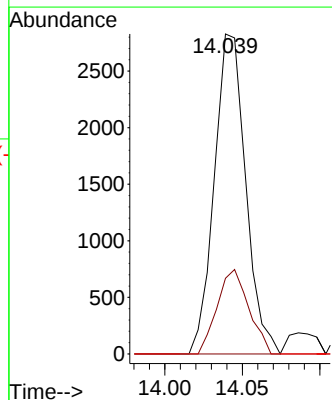
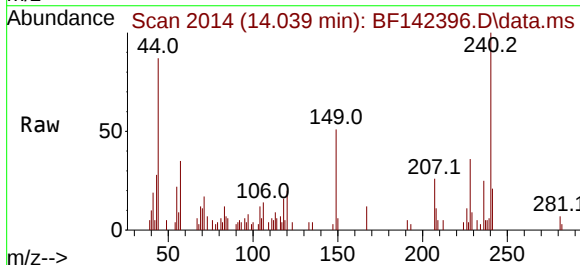
Instrument :
BNA_F
ClientSampleId :
336

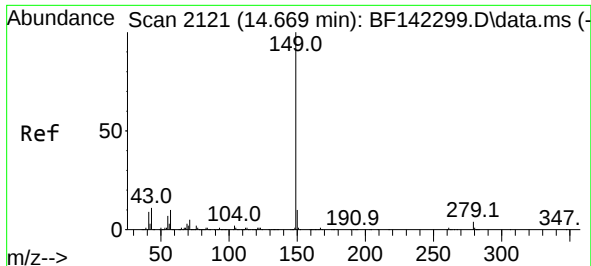
Tgt Ion:149	Resp:	1385
Ion	Ratio	Lower Upper
149	100	
91	70.7	53.8 80.6
206	20.4	16.6 24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.532 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:149	Resp:	3979
Ion	Ratio	Lower Upper
149	100	
167	23.7	22.0 33.0
279	0.0	3.0 4.6#

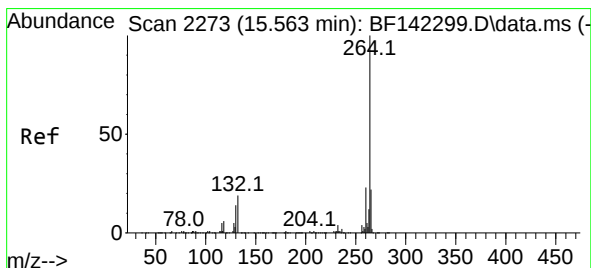
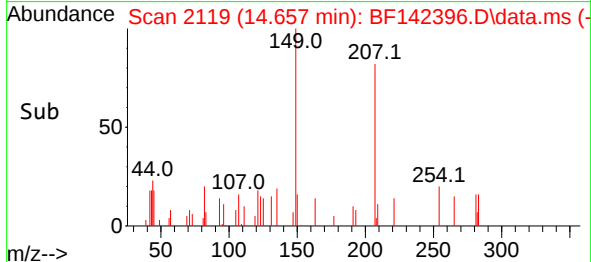
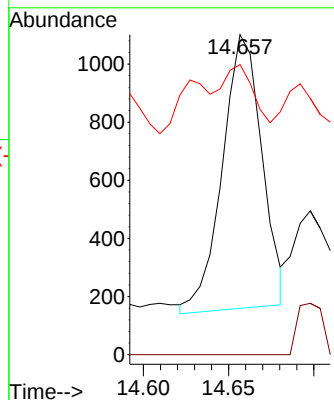
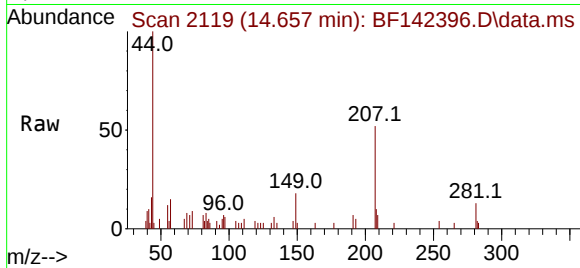




#85
Di-n-octyl phthalate
Concen: 7.897 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Instrument :
BNA_F
ClientSampleId :
336

Tgt Ion:149 Resp: 1521
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 19.5 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142396.D
Acq: 15 May 2025 17:12

Tgt Ion:264 Resp: 353829
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 22.0 17.5 26.3

