

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051225\
 Data File : BF142328.D
 Acq On : 12 May 2025 19:06
 Operator : RC/JU
 Sample : Q2007-24
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-13

Quant Time: May 13 01:04:31 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)

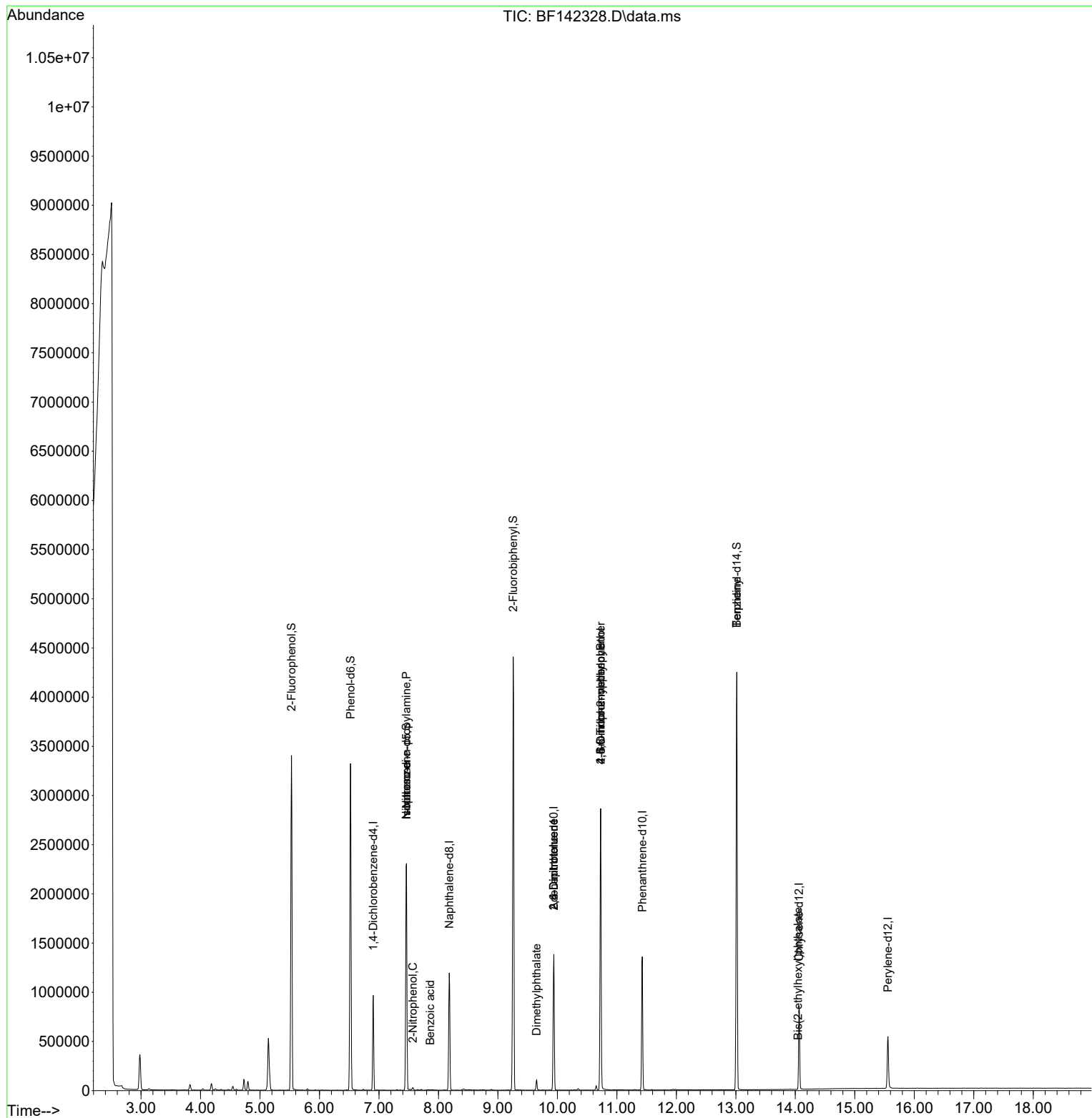
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	206611	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	795364	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	422547	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	701410	20.000	ng	0.00
76) Chrysene-d12	14.063	240	413178	20.000	ng	0.00
86) Perylene-d12	15.557	264	316532	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1333678	110.192	ng	0.02
7) Phenol-d6	6.522	99	1615893	108.551	ng	0.00
23) Nitrobenzene-d5	7.463	82	1032130	79.142	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	523861	128.410	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2151399	72.599	ng	0.00
79) Terphenyl-d14	13.016	244	2121886	76.011	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	137886	14.975	ng	# 78
25) Isophorone	7.463	82	1026128	41.550	ng	# 62
26) 2-Nitrophenol	7.569	139	237	4.124	ng	# 36
32) Benzoic acid	7.863	122	719	6.125	ng	86
50) Dimethylphthalate	9.651	163	60237	2.220	ng	99
51) 2,6-Dinitrotoluene	9.939	165	55099	10.849	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	55099	8.458	ng	# 24
65) 4,6-Dinitro-2-methylph...	10.728	198	1066	7.462	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	31445	3.956	ng	# 1
77) Benzidine	13.016	184	26565	3.538	ng	# 96
84) Bis(2-ethylhexyl)phtha...	14.045	149	346	4.260	ng	# 52

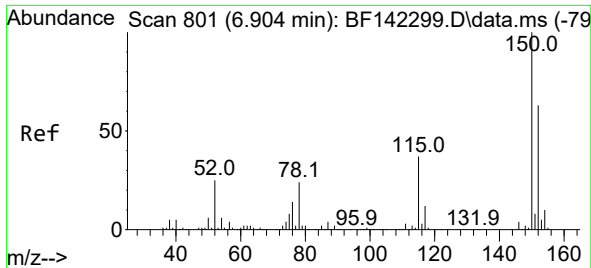
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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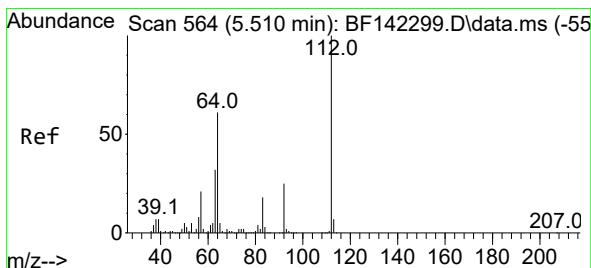
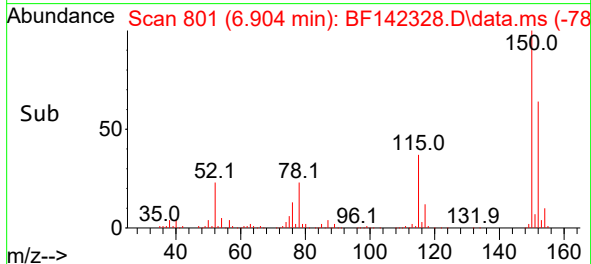
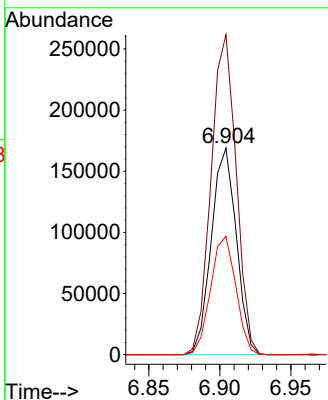
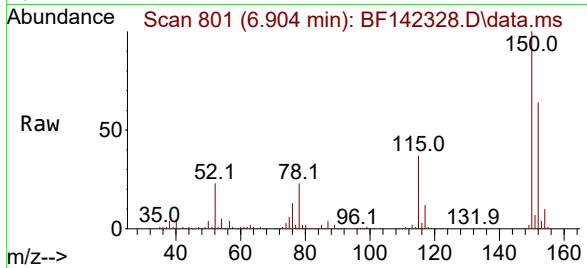




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

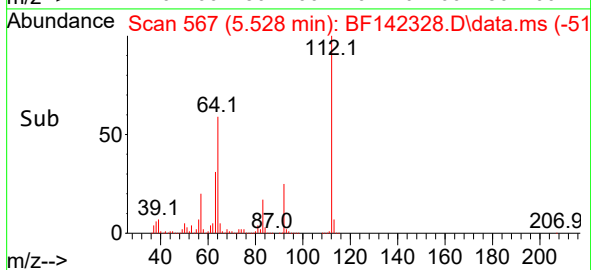
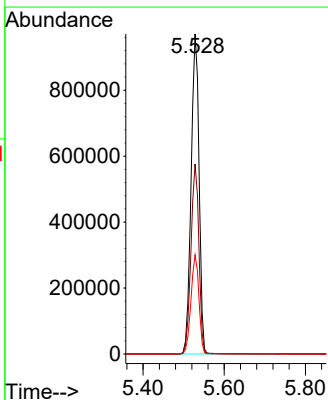
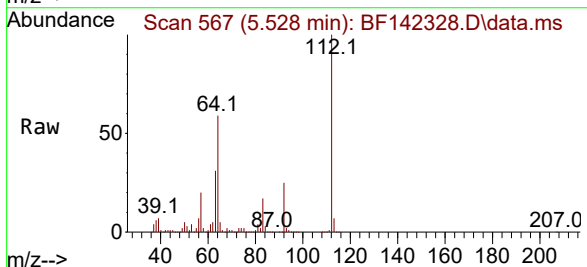
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-13

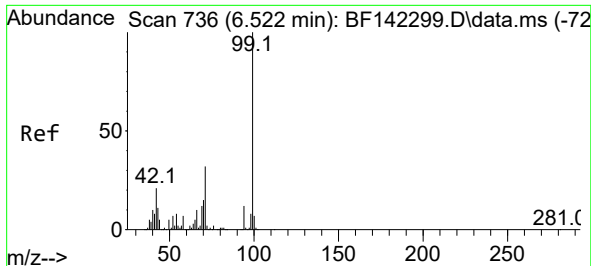
Tgt Ion:152 Resp: 206611
Ion Ratio Lower Upper
152 100
150 155.1 126.6 190.0
115 57.4 47.3 70.9



#5
2-Fluorophenol
Concen: 110.192 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:112 Resp: 1333678
Ion Ratio Lower Upper
112 100
64 59.4 48.9 73.3
63 31.0 25.6 38.4

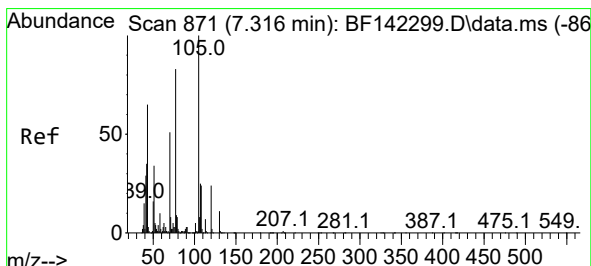
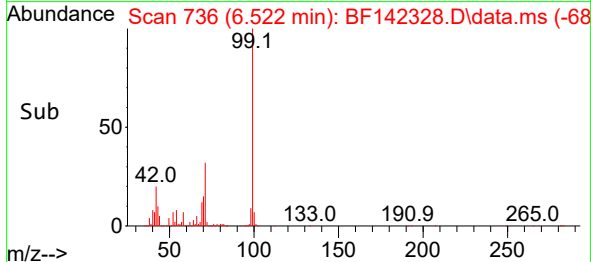
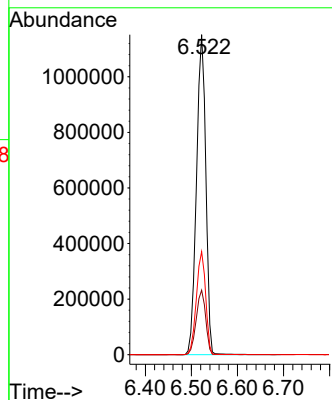
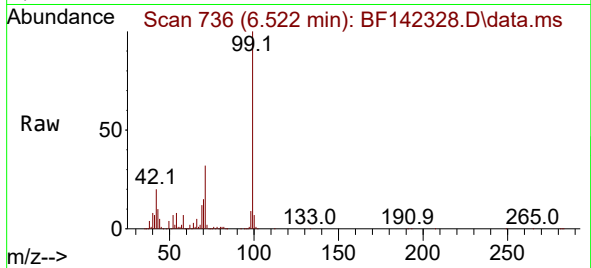




#7
Phenol-d6
Concen: 108.551 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

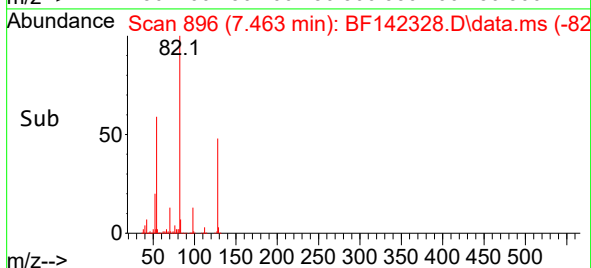
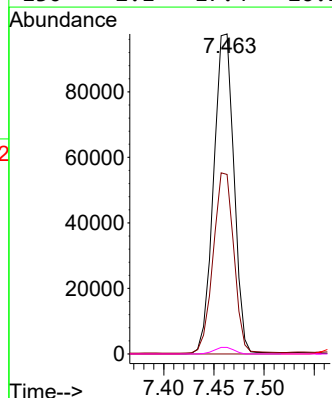
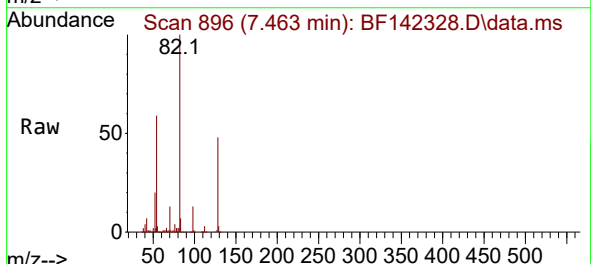
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-13

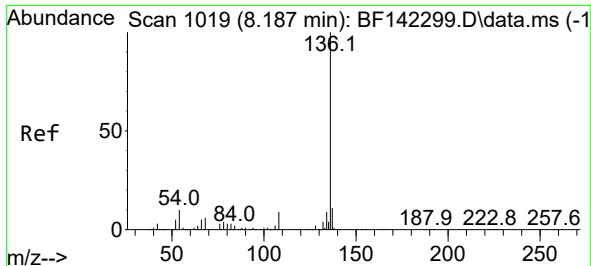
Tgt Ion: 99 Resp: 1615893
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.975 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion: 70 Resp: 137886
Ion Ratio Lower Upper
70 100
42 56.1 54.8 82.2
101 0.0 7.7 11.5#
130 2.1 17.4 26.2#

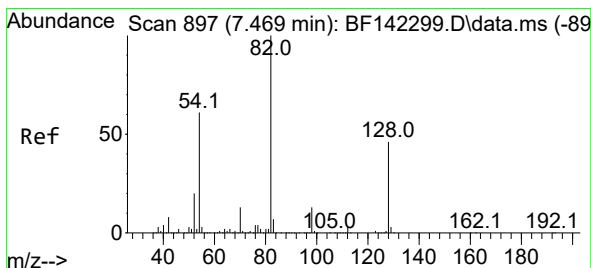
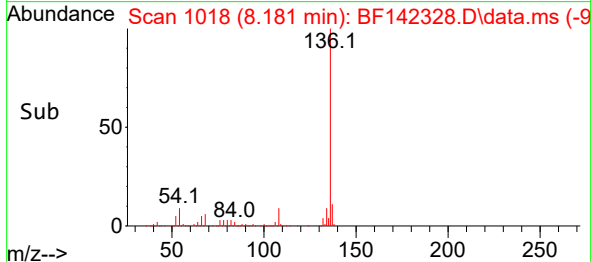
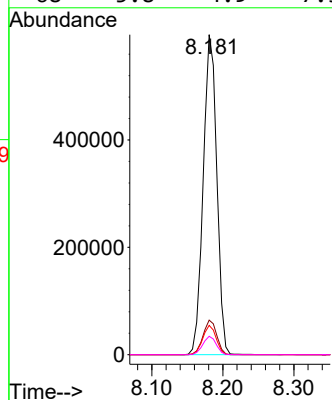
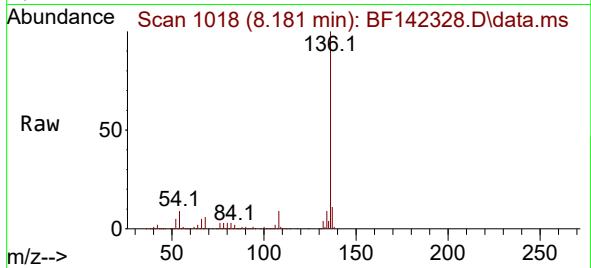




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

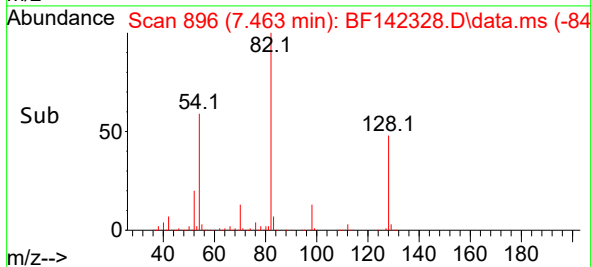
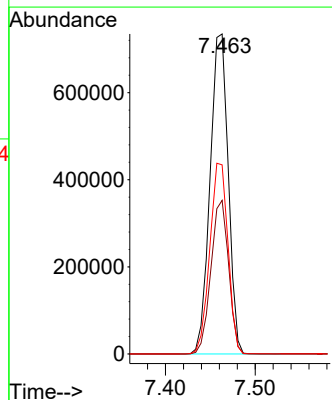
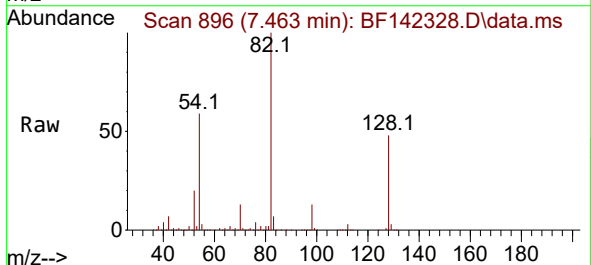
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-13

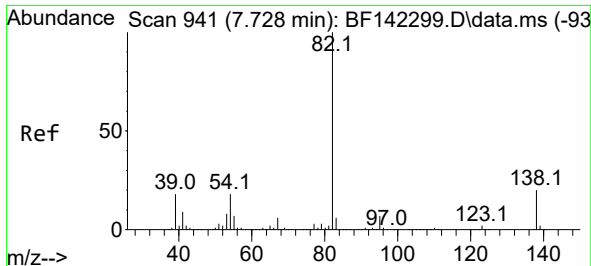
Tgt Ion:	136	Resp:	795364
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.1	7.7	11.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 79.142 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:	82	Resp:	1032130
Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.6
54	59.1	48.6	73.0

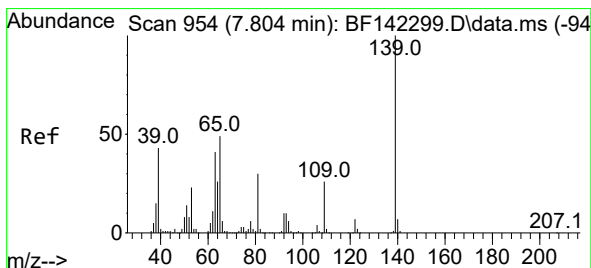
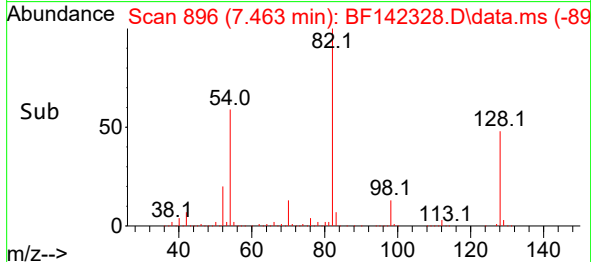
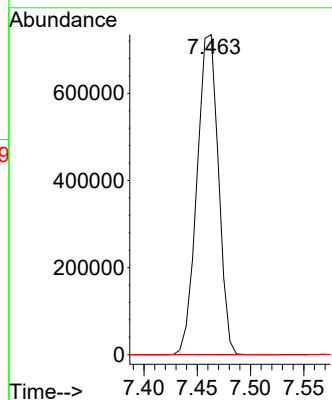
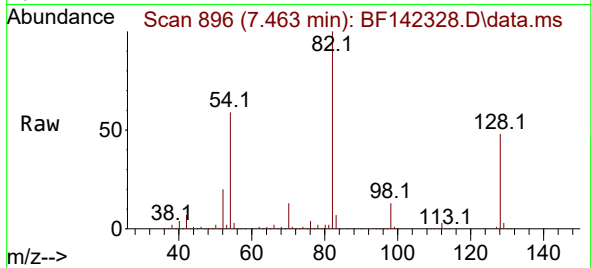




#25
Isophorone
Concen: 41.550 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

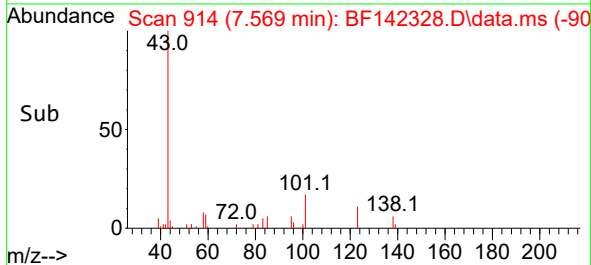
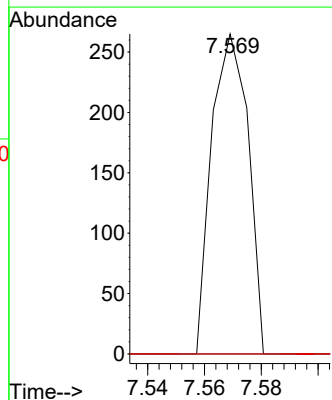
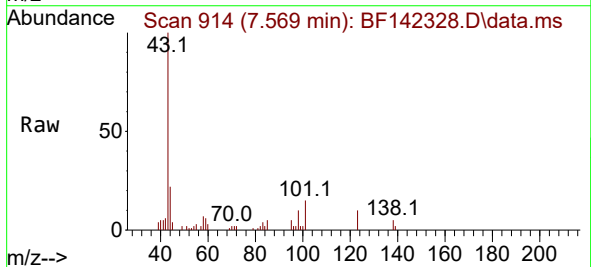
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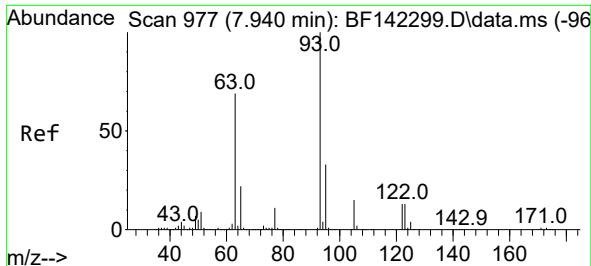
Tgt Ion: 82 Resp: 1026128
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#26
2-Nitrophenol
Concen: 4.124 ng
RT: 7.569 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:139 Resp: 237
Ion Ratio Lower Upper
139 100
109 0.0 20.8 31.2#
65 0.0 38.9 58.3#

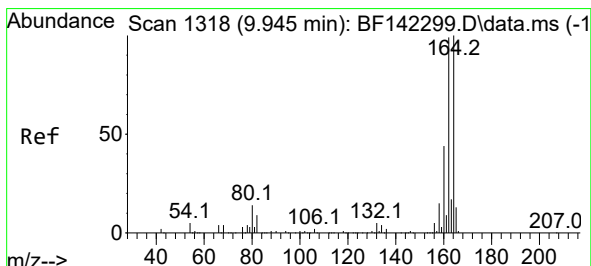
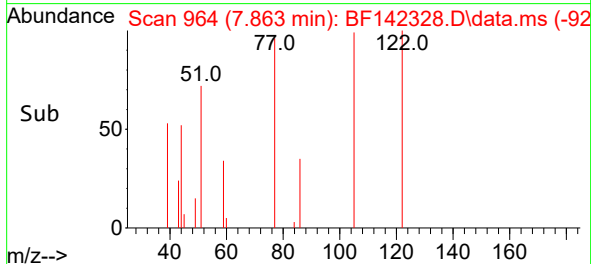
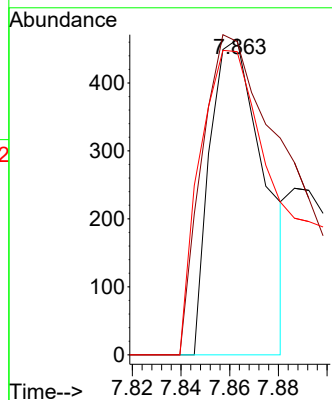
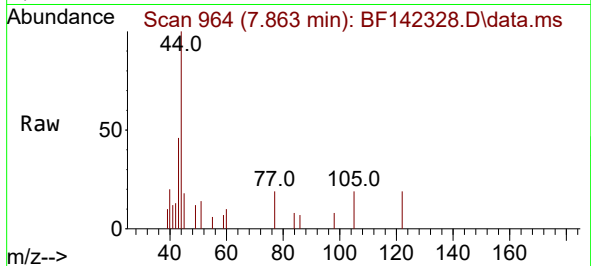




#32
Benzoic acid
Concen: 6.125 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.077 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

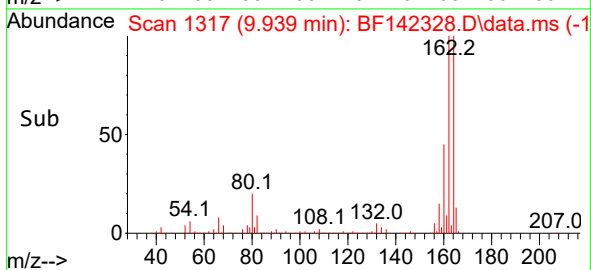
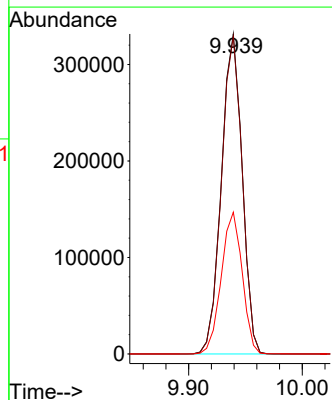
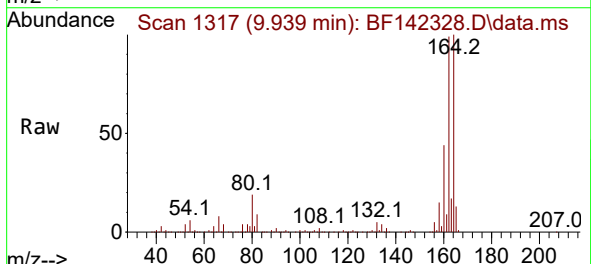
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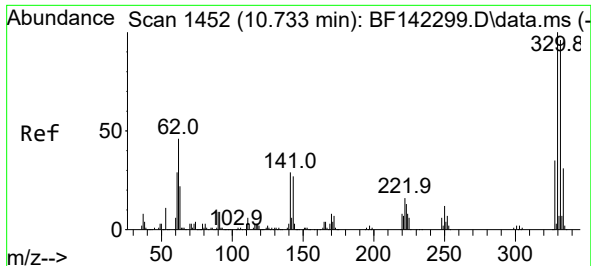
Tgt Ion:122 Resp: 719
Ion Ratio Lower Upper
122 100
105 99.4 97.9 137.9
77 96.1 67.7 107.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

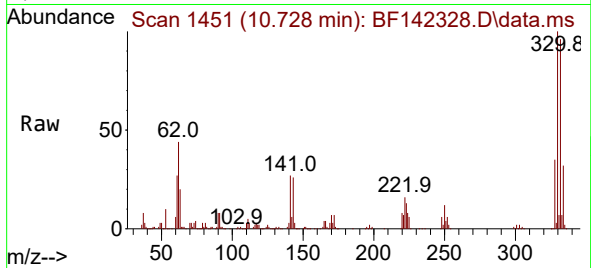
Tgt Ion:164 Resp: 422547
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 44.3 35.3 52.9



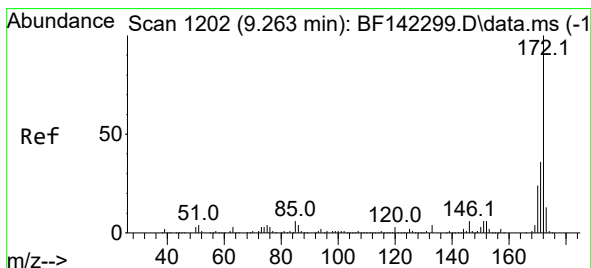
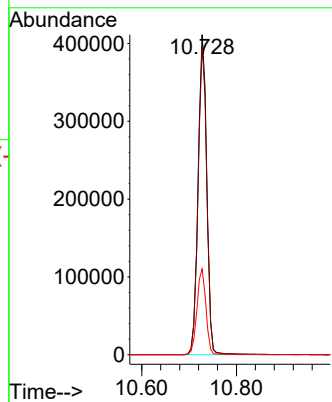
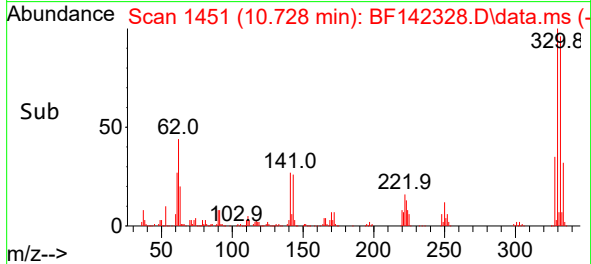


#42
 2,4,6-Tribromophenol
 Concen: 128.410 ng
 RT: 10.728 min Scan# 1451
 Delta R.T. -0.006 min
 Lab File: BF142328.D
 Acq: 12 May 2025 19:06

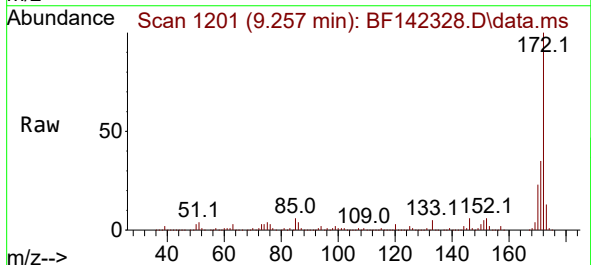
Instrument :
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 ClientSampleId :
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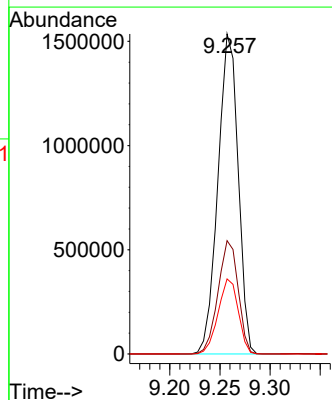
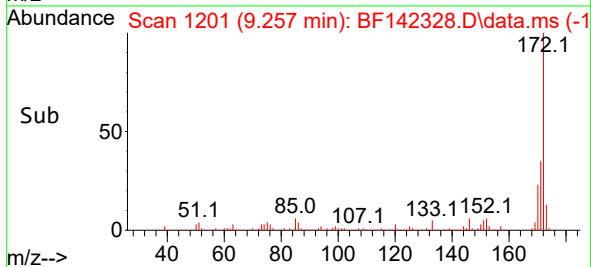
Tgt Ion:330 Resp: 523861
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 27.7 24.9 37.3

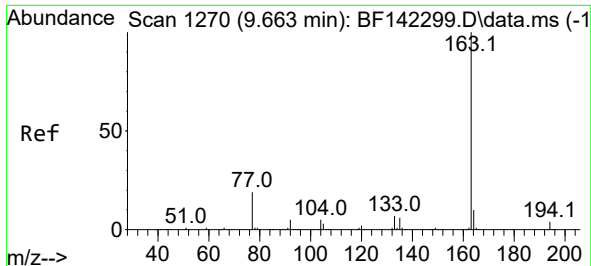


#45
 2-Fluorobiphenyl
 Concen: 72.599 ng
 RT: 9.257 min Scan# 1201
 Delta R.T. -0.006 min
 Lab File: BF142328.D
 Acq: 12 May 2025 19:06



Tgt Ion:172 Resp: 2151399
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 19.0 28.4

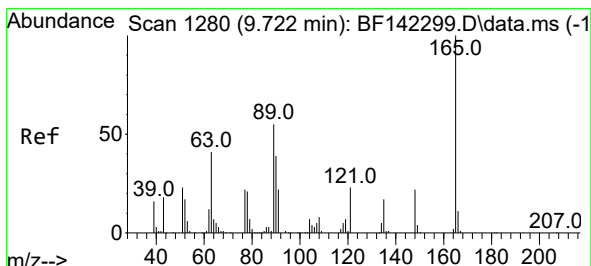
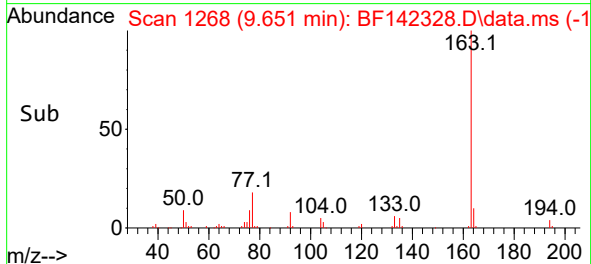
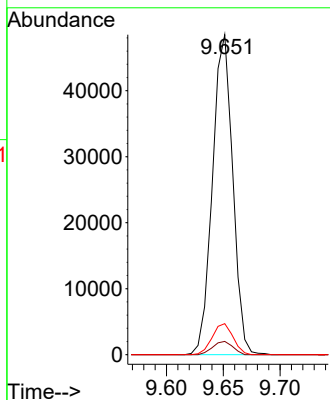
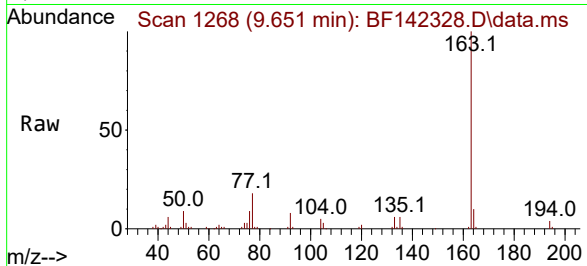




#50
Dimethylphthalate
Concen: 2.220 ng
RT: 9.651 min Scan# 1317
Delta R.T. -0.012 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

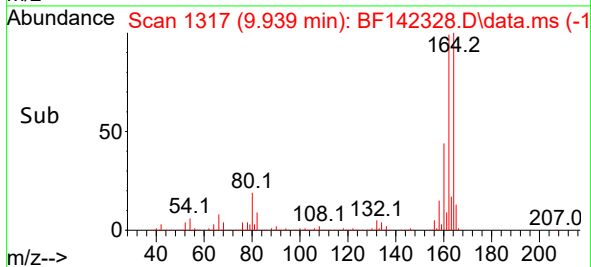
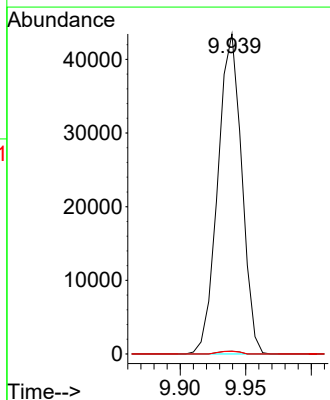
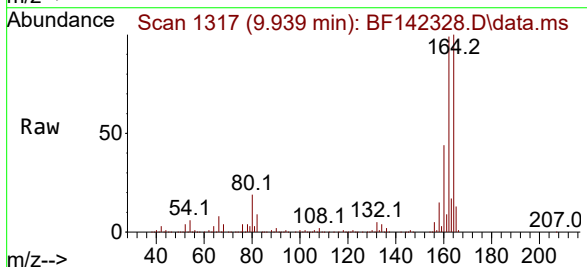
Instrument :
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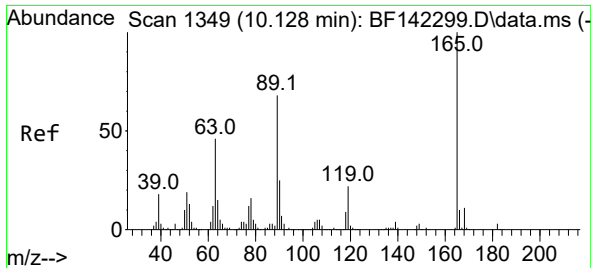
Tgt Ion:163 Resp: 60237
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 9.7 8.3 12.5



#51
2,6-Dinitrotoluene
Concen: 10.849 ng
RT: 9.939 min Scan# 1317
Delta R.T. 0.218 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:165 Resp: 55099
Ion Ratio Lower Upper
165 100
63 0.9 49.5 74.3#
89 0.8 44.6 66.8#

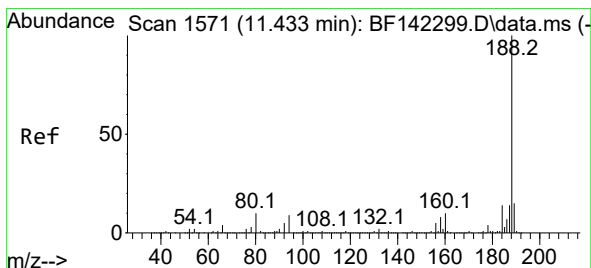
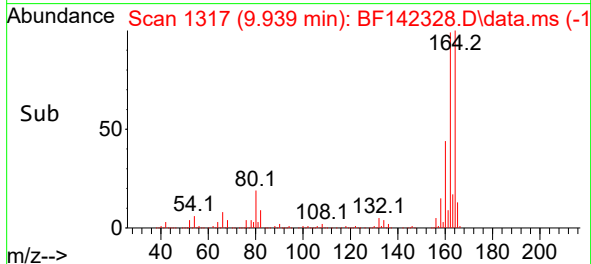
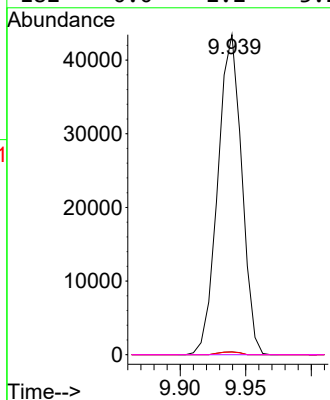
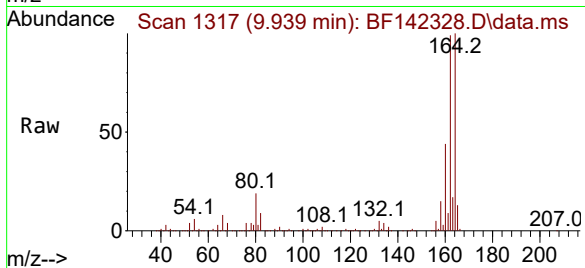




#57
2,4-Dinitrotoluene
Concen: 8.458 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

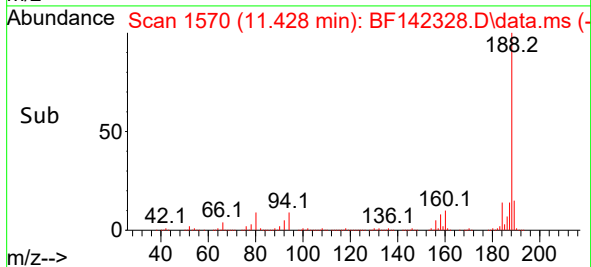
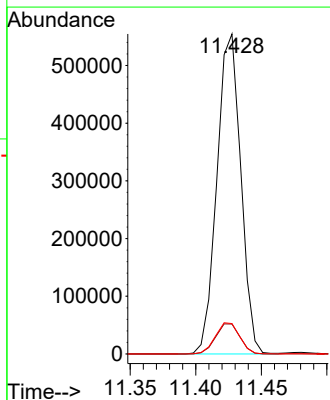
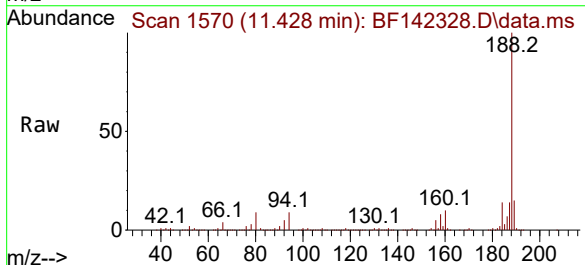
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-13

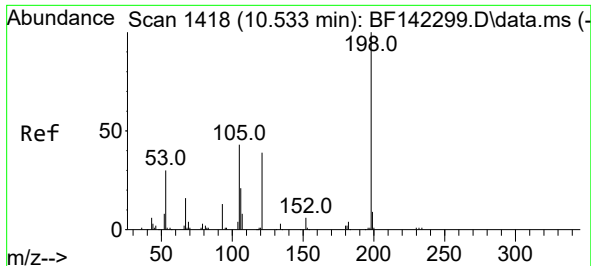
Tgt Ion:165 Resp: 55099
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 0.8 54.4 81.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:188 Resp: 701410
Ion Ratio Lower Upper
188 100
94 9.4 7.5 11.3
80 9.5 7.9 11.9

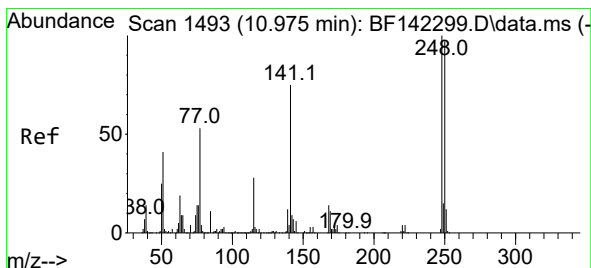
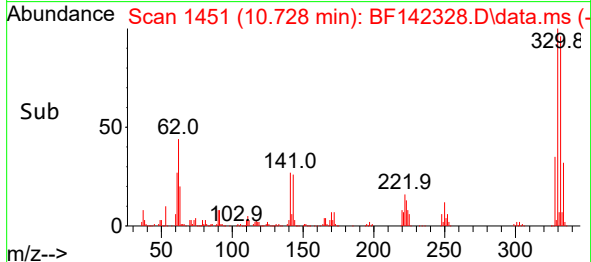
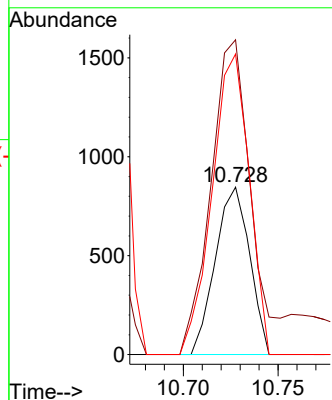
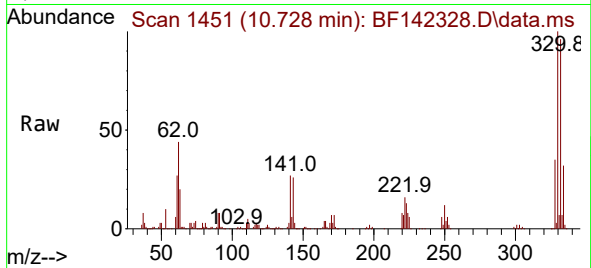




#65
4,6-Dinitro-2-methylphenol
Concen: 7.462 ng
RT: 10.728 min Scan# 1418
Delta R.T. 0.195 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

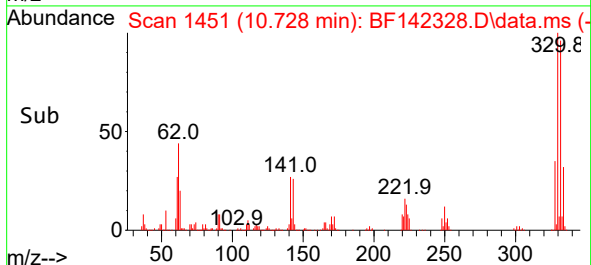
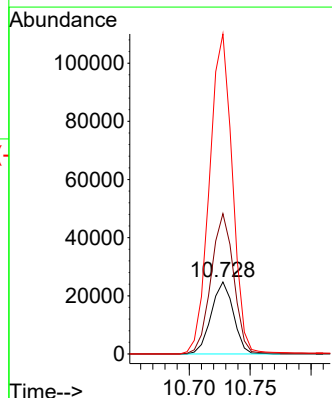
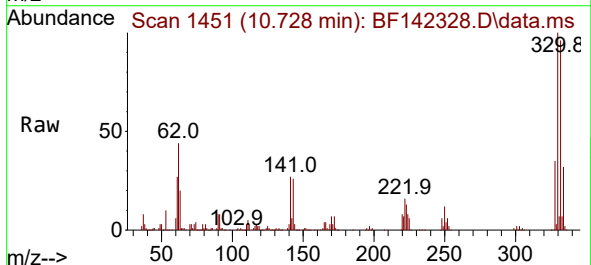
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-13

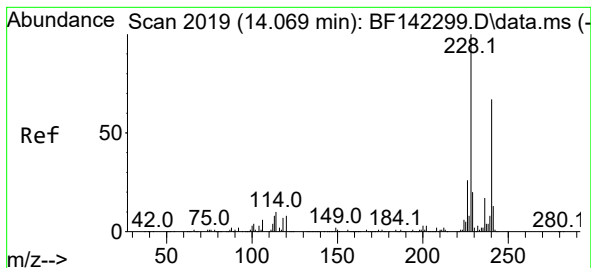
Tgt Ion:198 Resp: 1066
Ion Ratio Lower Upper
198 100
51 188.1 32.9 72.9#
105 179.6 23.7 63.7#



#67
4-Bromophenyl-phenylether
Concen: 3.956 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF142328.D
Acq: 12 May 2025 19:06

Tgt Ion:248 Resp: 31445
Ion Ratio Lower Upper
248 100
250 195.0 77.9 116.9#
141 444.6 59.8 89.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142328.D

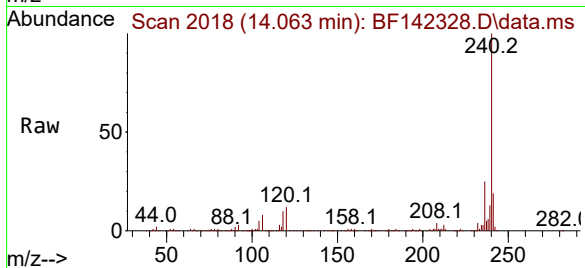
Acq: 12 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-13



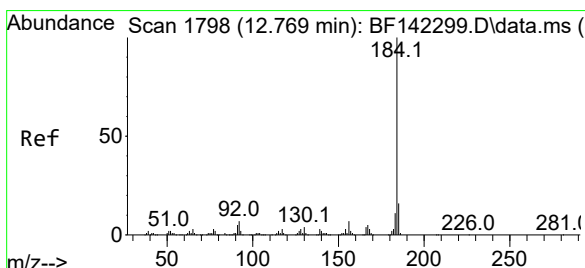
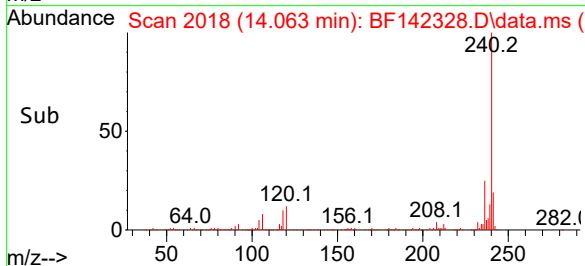
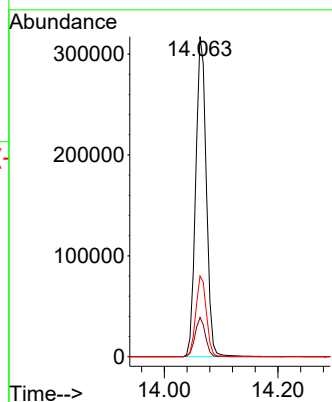
Tgt Ion:240 Resp: 413178

Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

236 25.2 20.0 30.0



#77

Benidine

Concen: 3.538 ng

RT: 13.016 min Scan# 1840

Delta R.T. 0.247 min

Lab File: BF142328.D

Acq: 12 May 2025 19:06

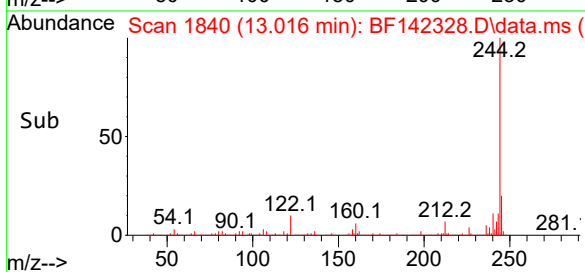
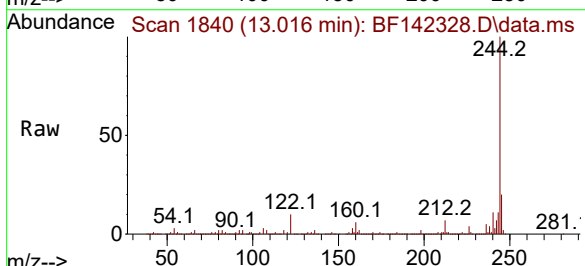
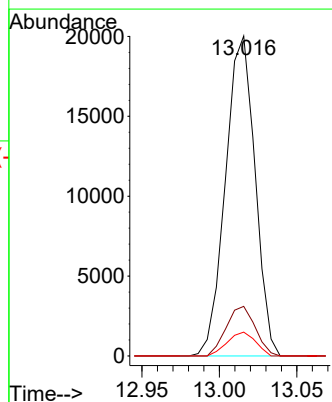
Tgt Ion:184 Resp: 26565

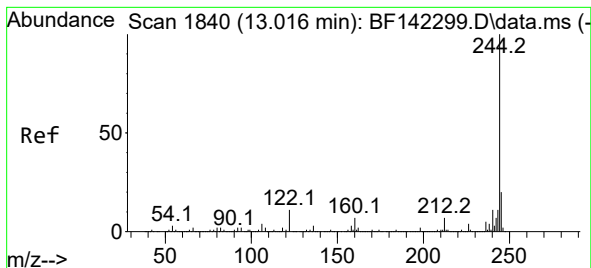
Ion Ratio Lower Upper

184 100

185 15.5 12.6 18.8

183 7.4 8.6 12.8#





#79

Terphenyl-d14

Concen: 76.011 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142328.D

Acq: 12 May 2025 19:06

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-13

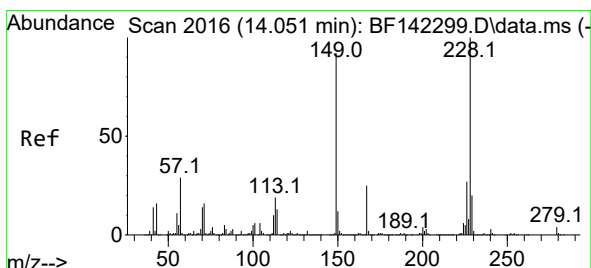
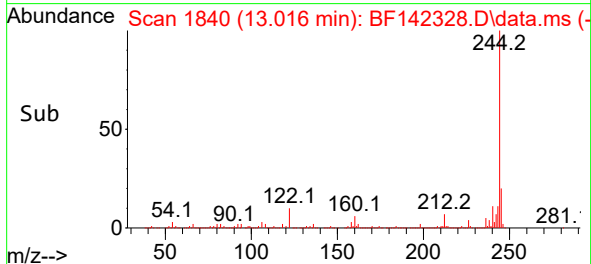
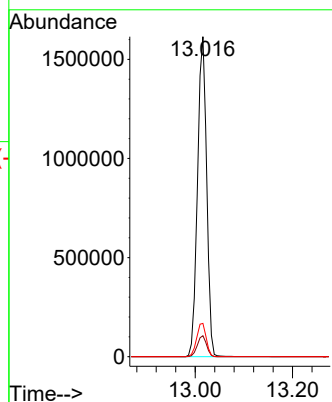
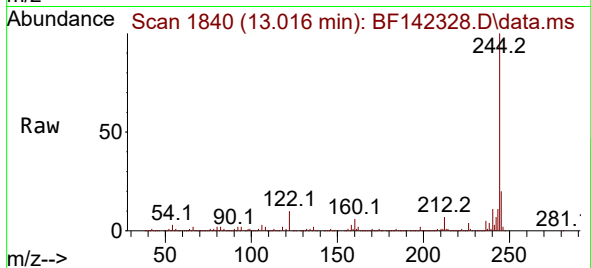
Tgt Ion:244 Resp: 2121886

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.4 9.0 13.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.260 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142328.D

Acq: 12 May 2025 19:06

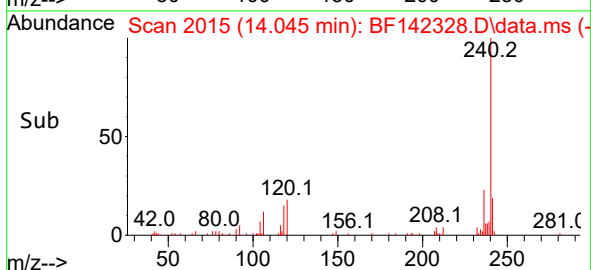
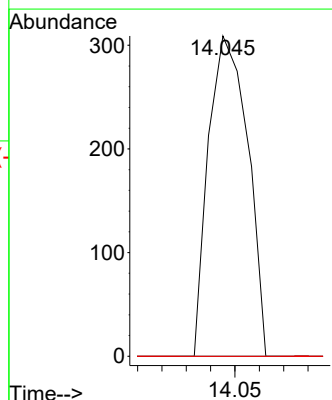
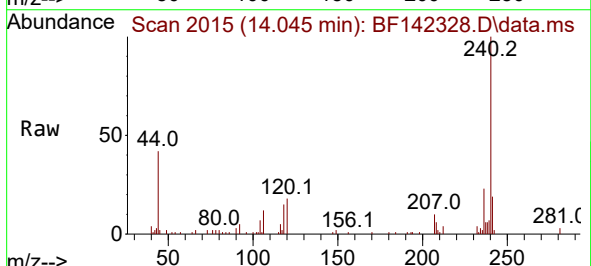
Tgt Ion:149 Resp: 346

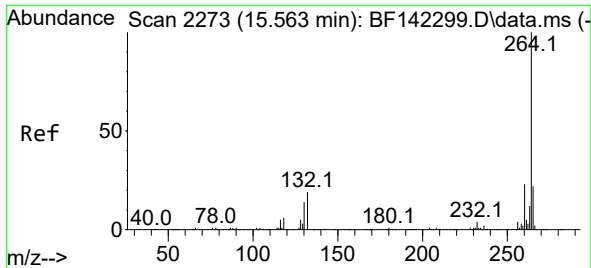
Ion Ratio Lower Upper

149 100

167 0.0 22.0 33.0#

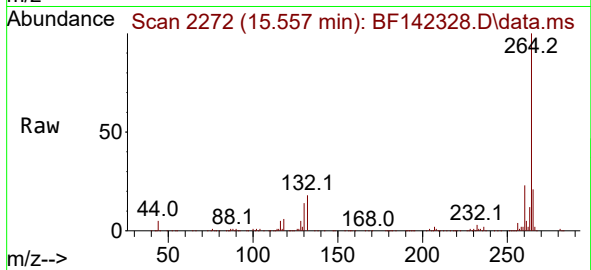
279 0.0 3.0 4.6#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142328.D
 Acq: 12 May 2025 19:06

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-13



Tgt Ion:264 Resp: 316532
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 27.8
 265 21.1 17.5 26.3

