

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142348.D
 Acq On : 13 May 2025 17:11
 Operator : RC/JU
 Sample : Q2007-13
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-12

Quant Time: May 13 17:59:57 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)

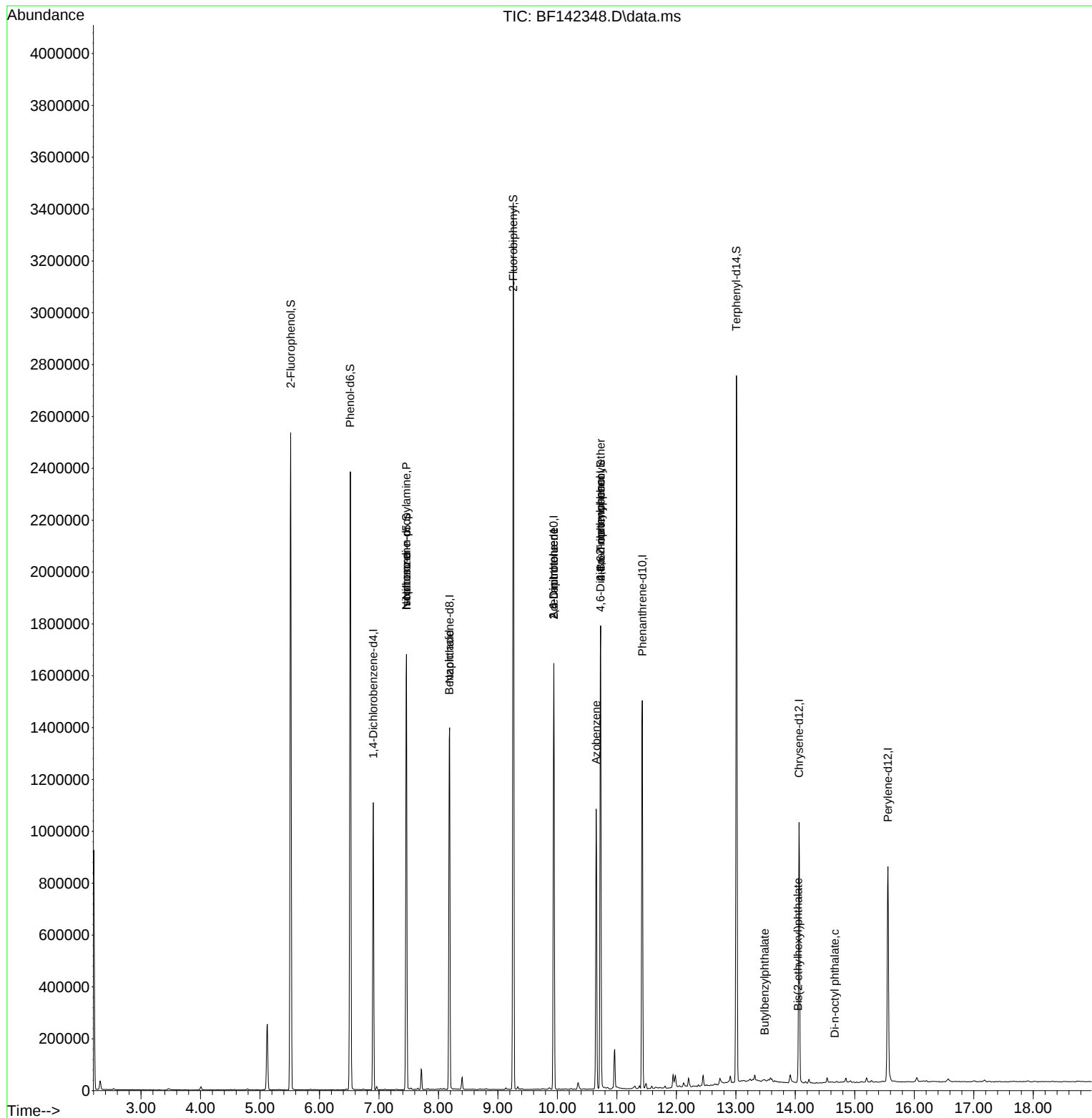
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	230037	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	893918	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	480919	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	779254	20.000	ng	0.00
76) Chrysene-d12	14.063	240	481107	20.000	ng	0.00
86) Perylene-d12	15.557	264	486105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	970132	71.992	ng	0.00
7) Phenol-d6	6.516	99	1171548	70.687	ng	0.00
23) Nitrobenzene-d5	7.463	82	704052	48.034	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	317327	68.343	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1521563	45.113	ng	0.00
79) Terphenyl-d14	13.010	244	1331384	40.959	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.463	70	92554	9.028	ng	# 77
25) Isophorone	7.463	82	691834	24.926	ng	# 62
32) Benzoic acid	8.181	122	145	6.035	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	60606	10.485	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	60606	8.174	ng	# 25
63) Azobenzene	10.651	77	245910	8.344	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.722	198	573	7.319	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	18984	2.150	ng	# 1
80) Butylbenzylphthalate	13.486	149	1565	3.775	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	10017	4.798	ng	99
85) Di-n-octyl phthalate	14.663	149	777	7.862	ng	# 77

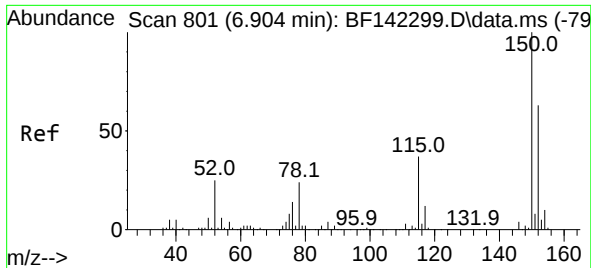
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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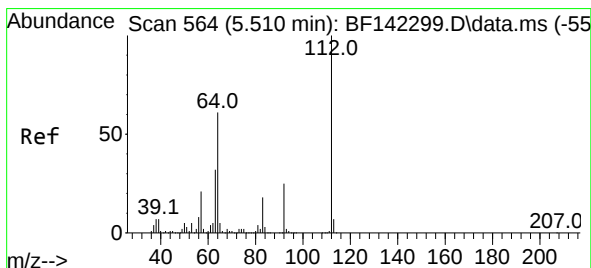
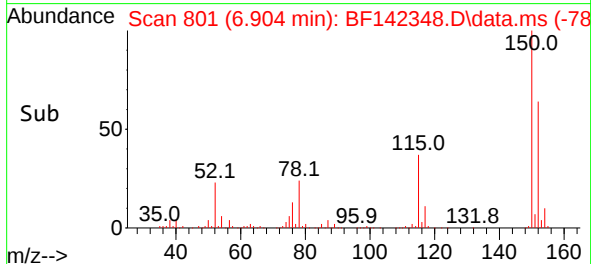
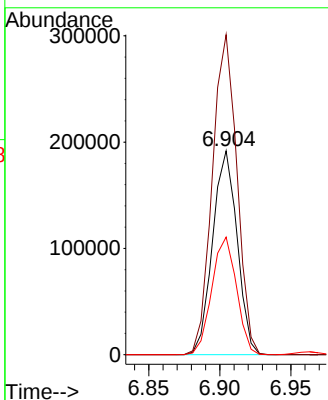
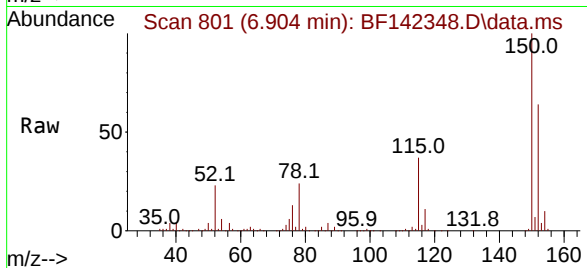




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

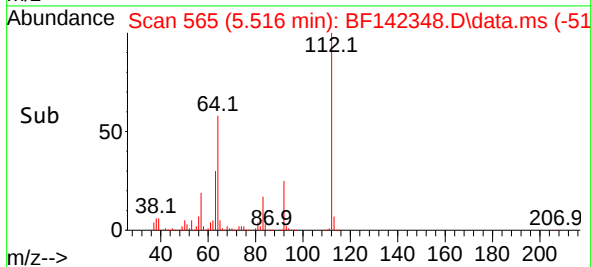
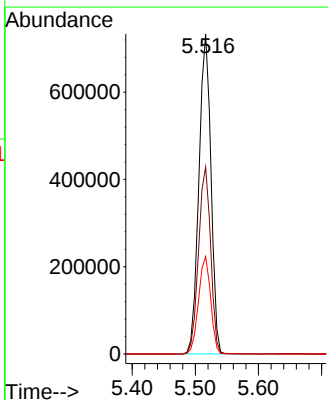
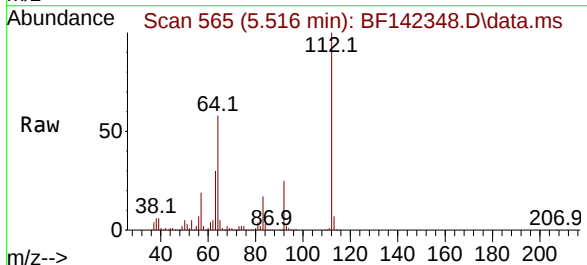
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

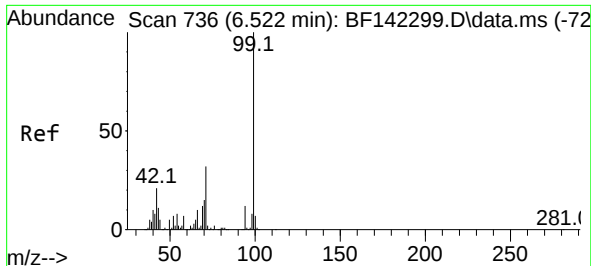
Tgt Ion:152 Resp: 230037
Ion Ratio Lower Upper
152 100
150 156.9 126.6 190.0
115 57.7 47.3 70.9



#5
2-Fluorophenol
Concen: 71.992 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion:112 Resp: 970132
Ion Ratio Lower Upper
112 100
64 58.4 48.9 73.3
63 30.4 25.6 38.4

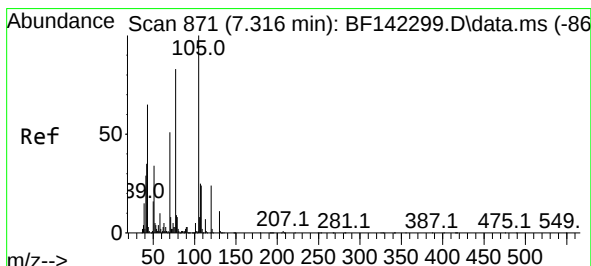
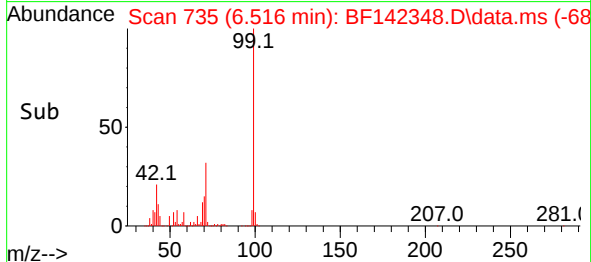
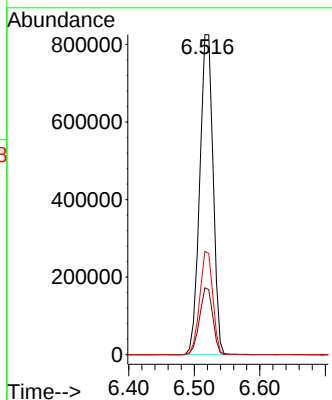
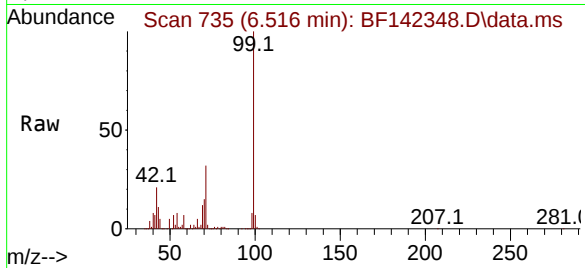




#7
Phenol-d6
Concen: 70.687 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

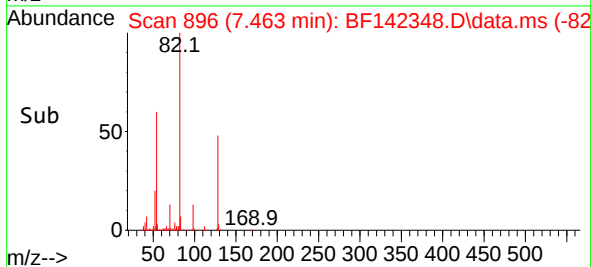
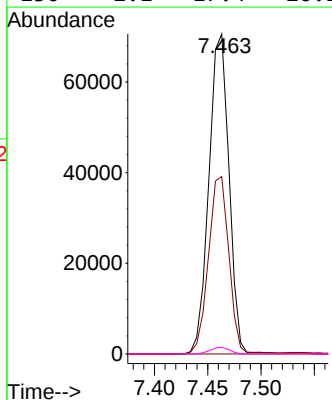
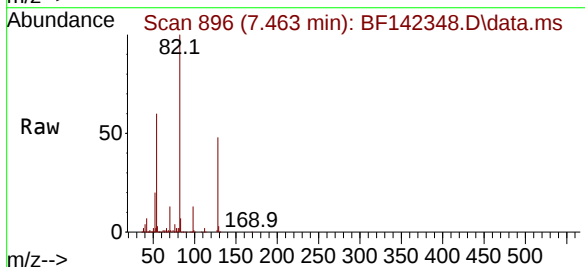
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

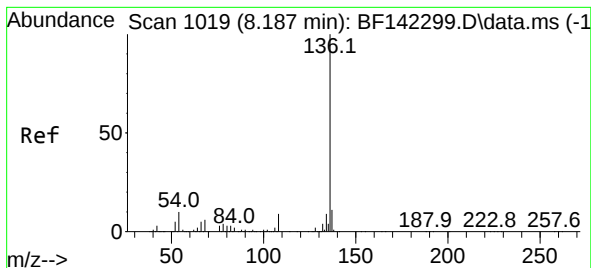
Tgt Ion: 99 Resp: 1171548
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.4
71 32.2 25.8 38.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.028 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.147 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion: 70 Resp: 92554
Ion Ratio Lower Upper
70 100
42 55.4 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: 8.187 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF142348.D

Acq: 13 May 2025 17:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12

Tgt Ion:136 Resp: 893918

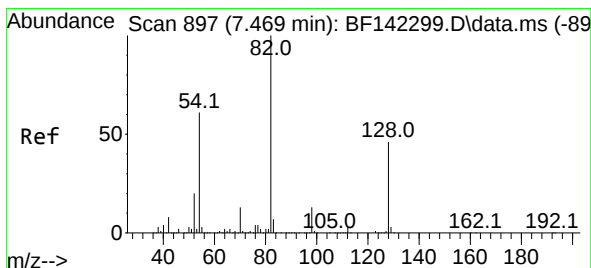
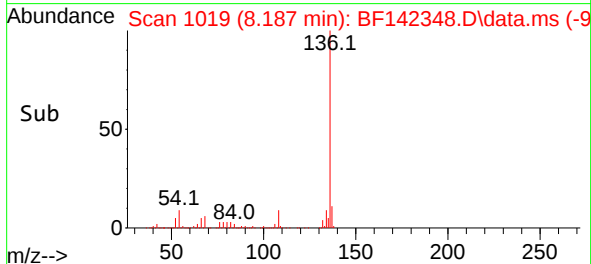
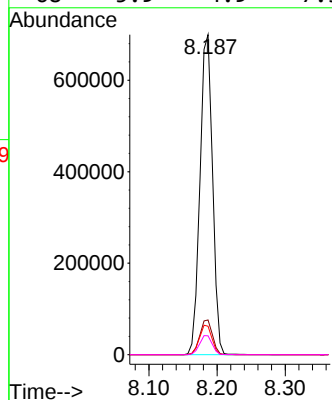
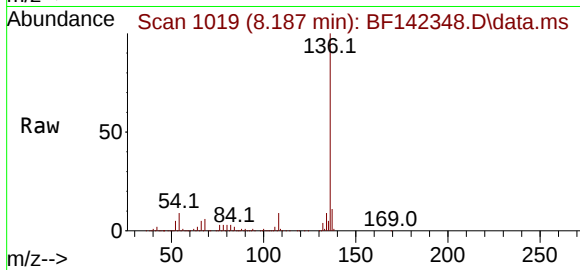
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.9 7.7 11.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 48.034 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF142348.D

Acq: 13 May 2025 17:11

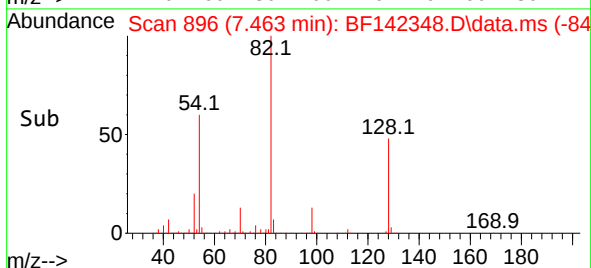
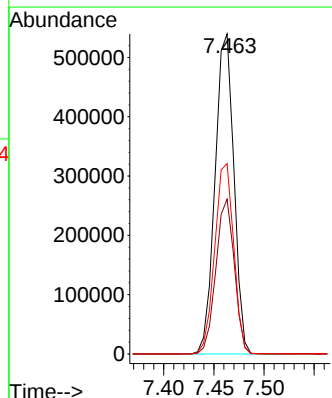
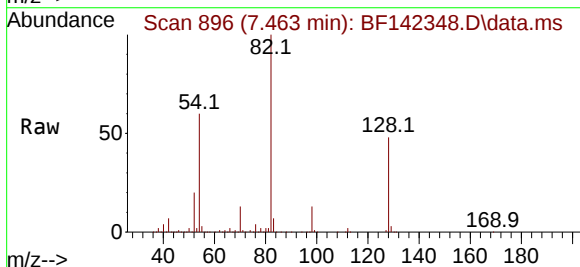
Tgt Ion: 82 Resp: 704052

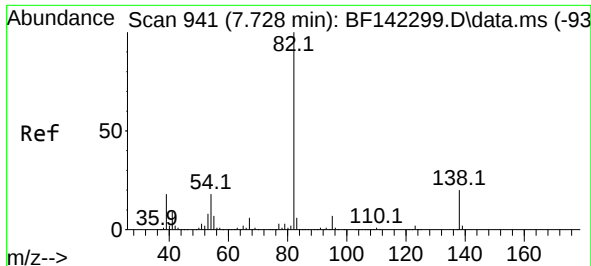
Ion Ratio Lower Upper

82 100

128 48.4 37.0 55.6

54 59.5 48.6 73.0

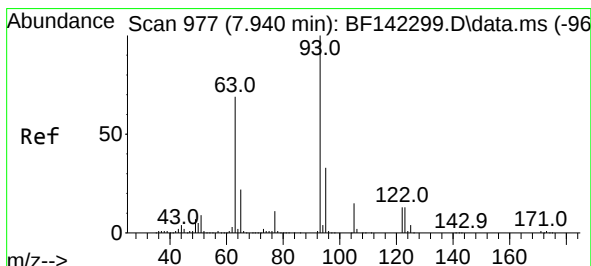
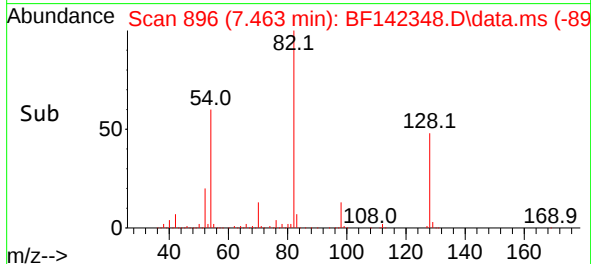
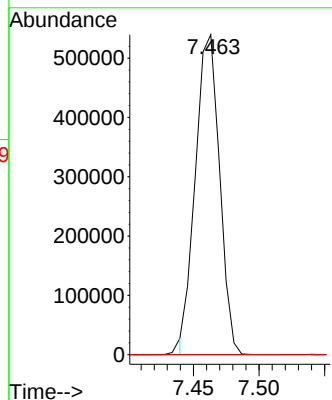
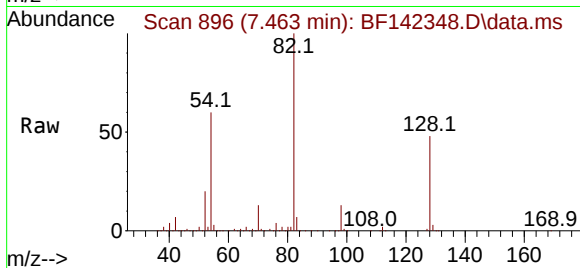




#25
Isophorone
Concen: 24.926 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

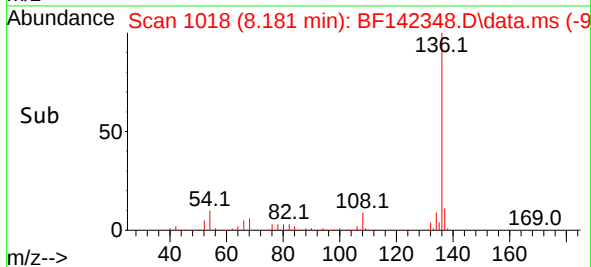
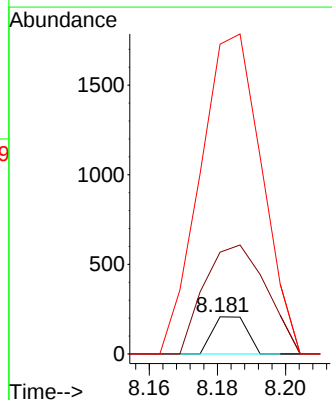
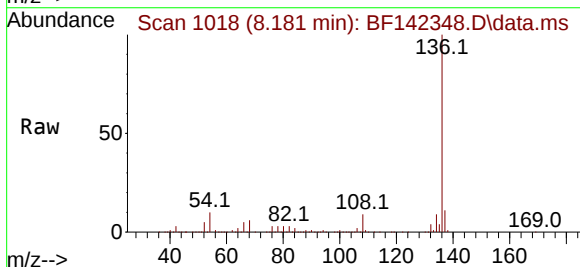
Instrument :
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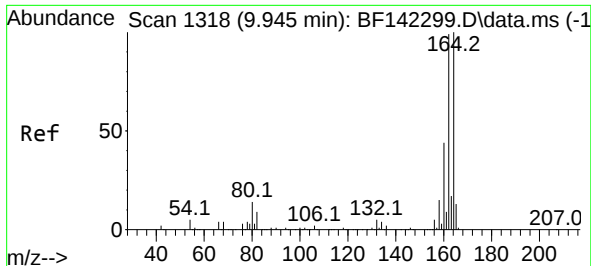
Tgt Ion: 82 Resp: 691834
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.1 24.1#



#32
Benzoic acid
Concen: 6.035 ng
RT: 8.181 min Scan# 1018
Delta R.T. 0.241 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion:122 Resp: 145
Ion Ratio Lower Upper
122 100
105 274.4 97.9 137.9#
77 835.3 67.7 107.7#

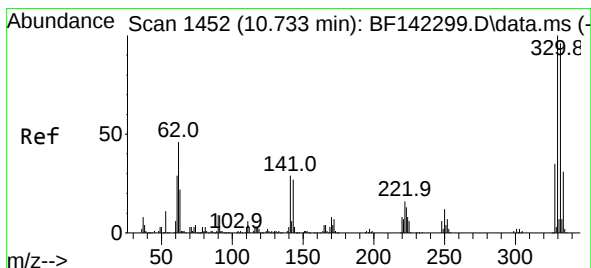
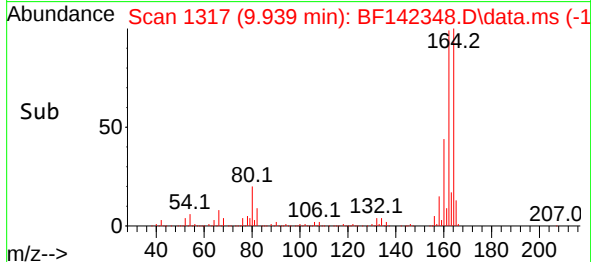
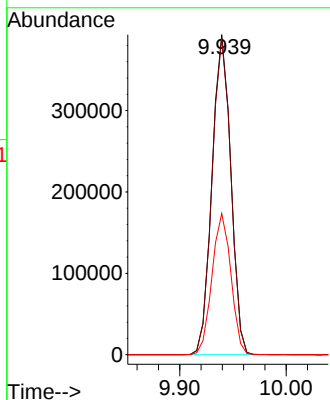
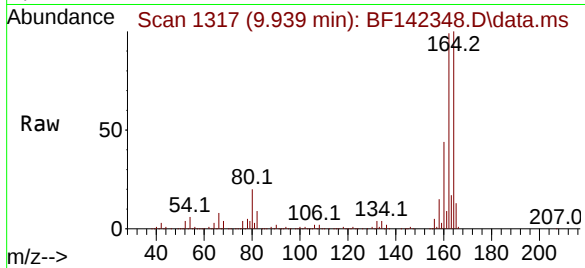




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

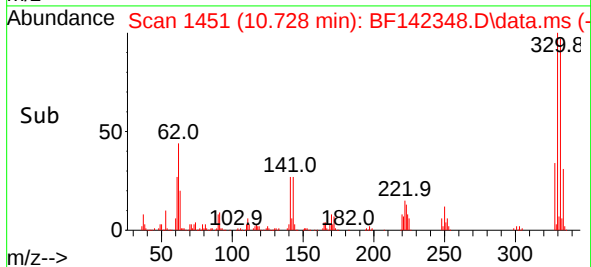
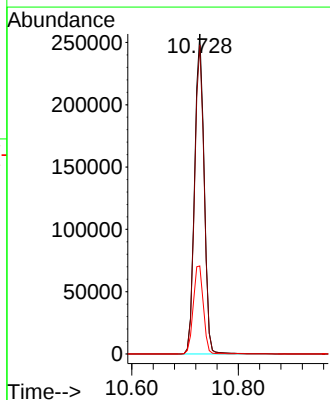
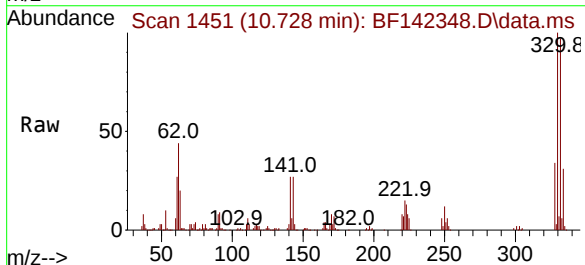
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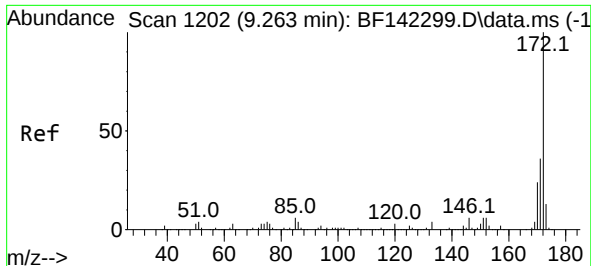
Tgt Ion:164 Resp: 480919
Ion Ratio Lower Upper
164 100
162 99.1 79.2 118.8
160 44.1 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 68.343 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion:330 Resp: 317327
Ion Ratio Lower Upper
330 100
332 96.7 76.8 115.2
141 29.2 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 45.113 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142348.D

Acq: 13 May 2025 17:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12

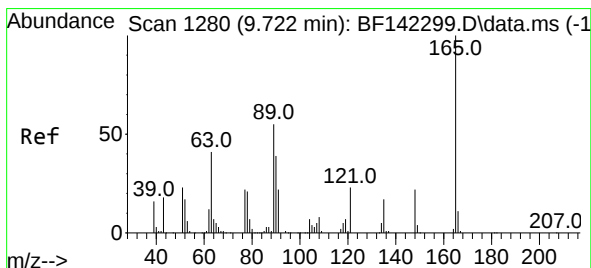
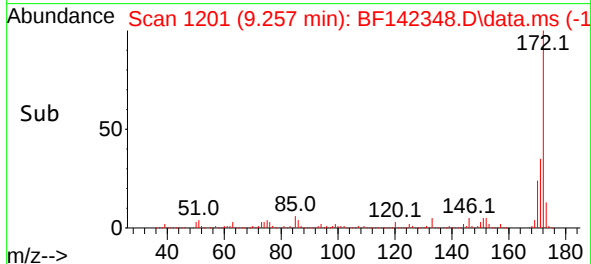
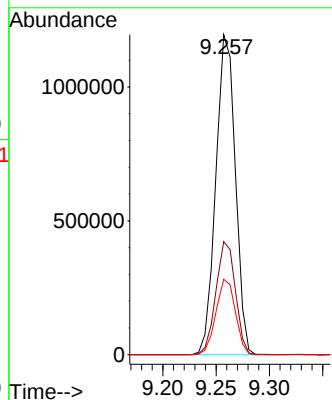
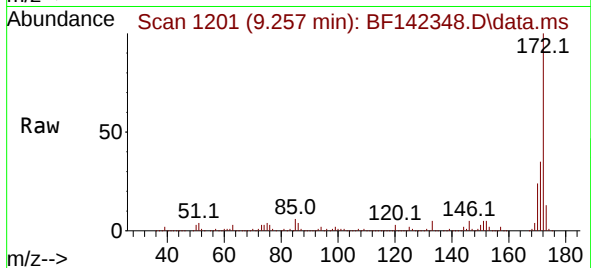
Tgt Ion:172 Resp: 1521563

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.6 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 10.485 ng

RT: 9.939 min Scan# 1317

Delta R.T. 0.218 min

Lab File: BF142348.D

Acq: 13 May 2025 17:11

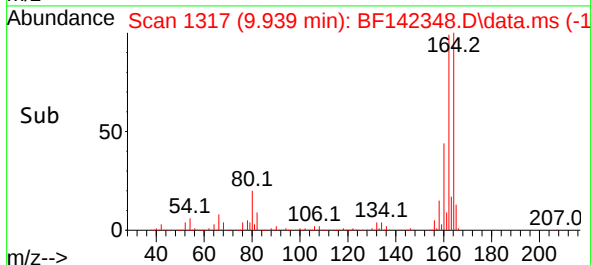
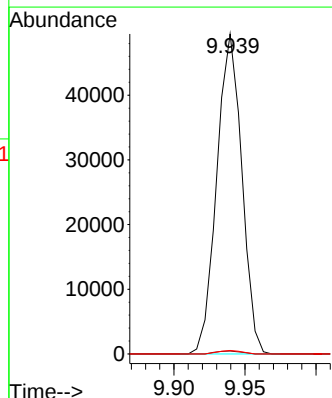
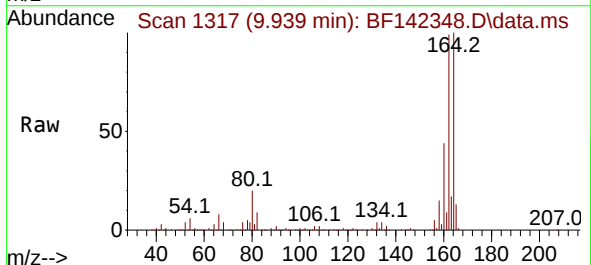
Tgt Ion:165 Resp: 60606

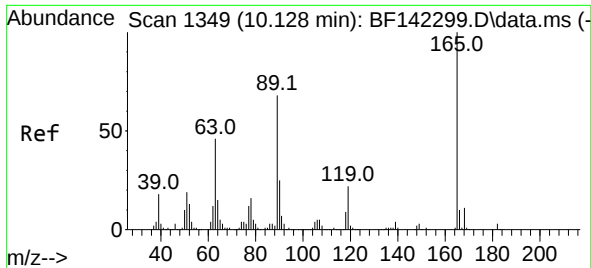
Ion Ratio Lower Upper

165 100

63 0.9 49.5 74.3#

89 1.1 44.6 66.8#

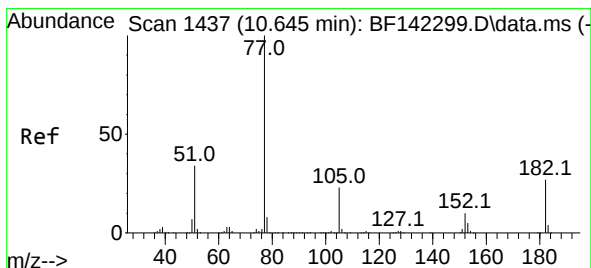
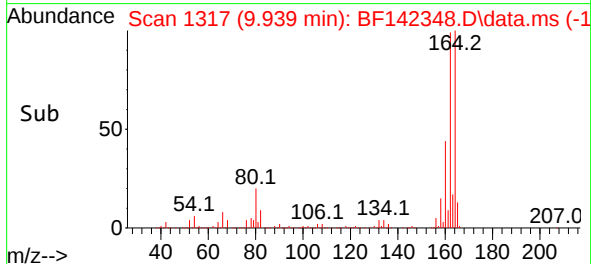
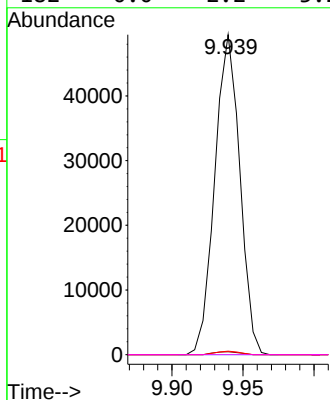
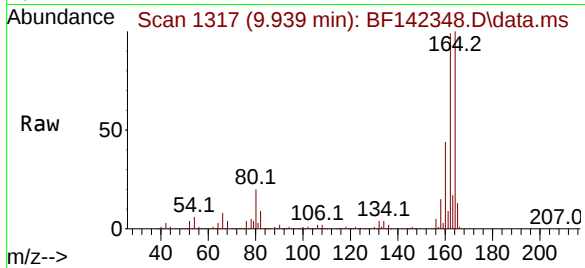




#57
2,4-Dinitrotoluene
Concen: 8.174 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

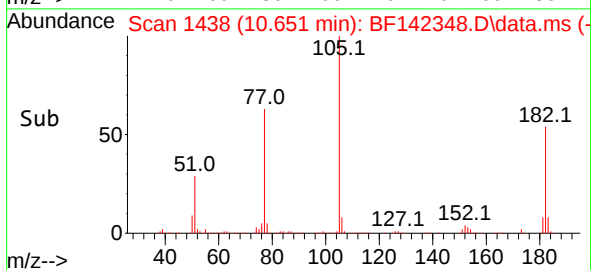
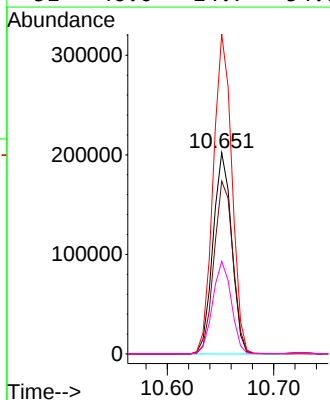
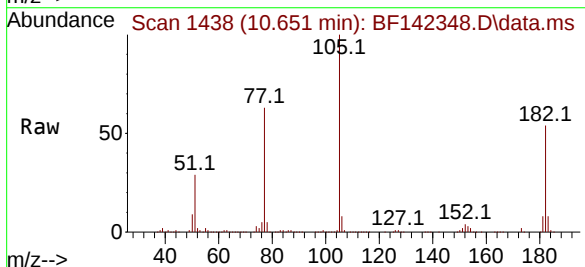
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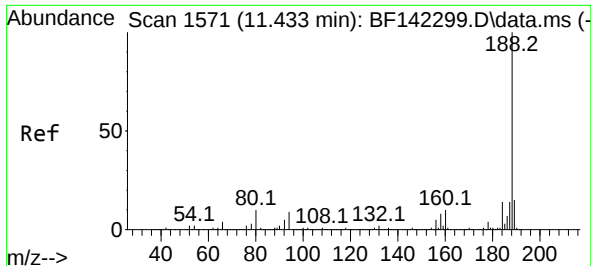
Tgt Ion:165 Resp: 60606
Ion Ratio Lower Upper
165 100
63 0.9 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 8.344 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion: 77 Resp: 245910
Ion Ratio Lower Upper
77 100
182 85.8 6.9 46.9#
105 158.9 2.7 42.7#
51 46.0 14.7 54.7

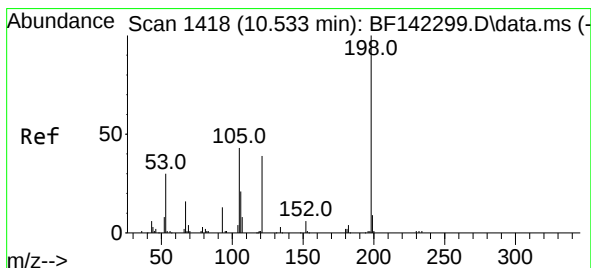
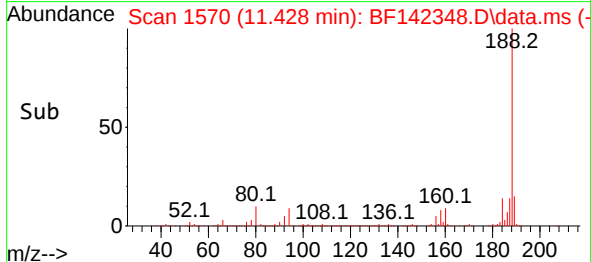
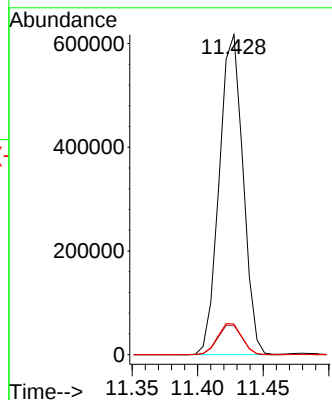
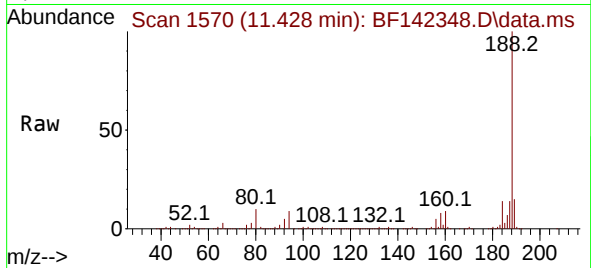




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

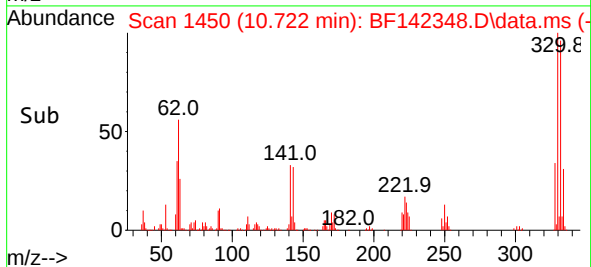
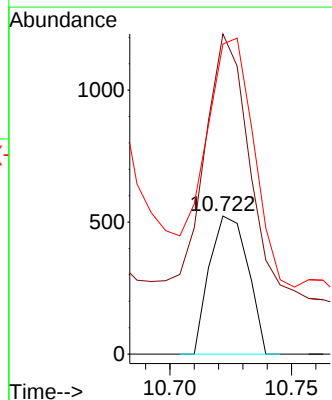
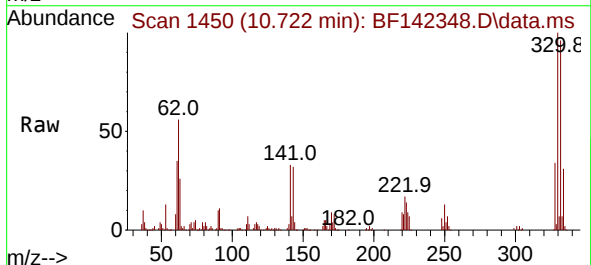
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

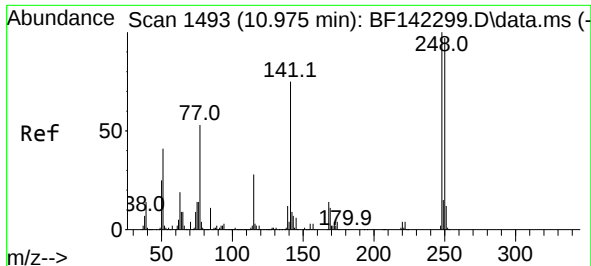
Tgt Ion:188 Resp: 779254
Ion Ratio Lower Upper
188 100
94 9.2 7.5 11.3
80 9.6 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.319 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.189 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion:198 Resp: 573
Ion Ratio Lower Upper
198 100
51 231.9 32.9 72.9#
105 224.7 23.7 63.7#

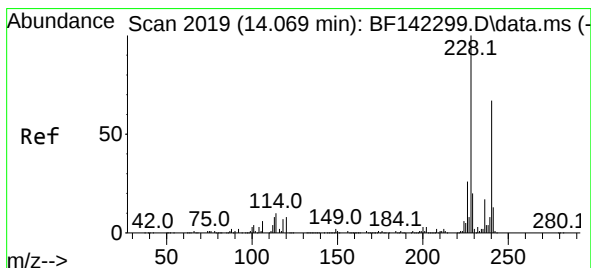
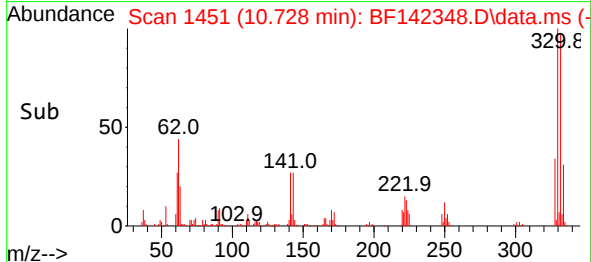
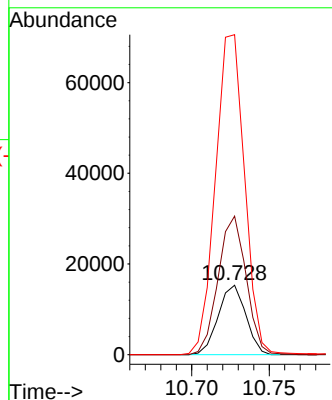
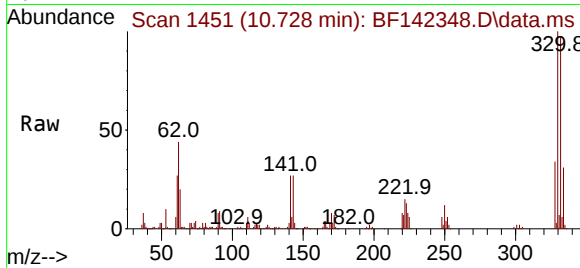




#67
4-Bromophenyl-phenylether
Concen: 2.150 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

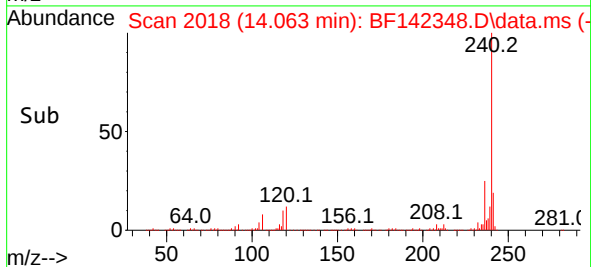
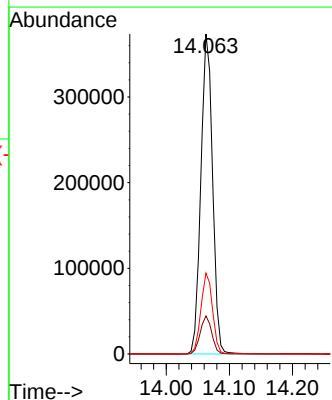
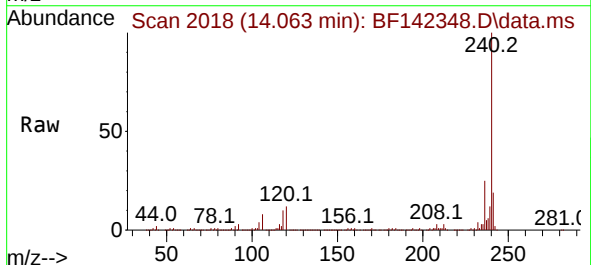
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

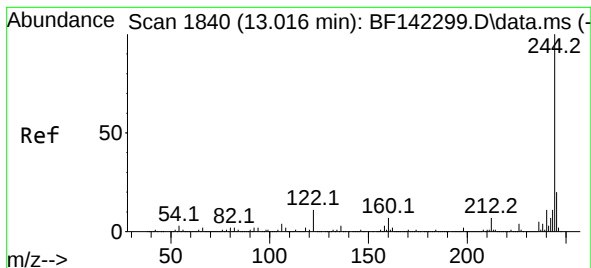
Tgt Ion:248 Resp: 18984
Ion Ratio Lower Upper
248 100
250 199.6 77.9 116.9#
141 461.1 59.8 89.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

Tgt Ion:240 Resp: 481107
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 25.3 20.0 30.0





#79

Terphenyl-d14

Concen: 40.959 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142348.D

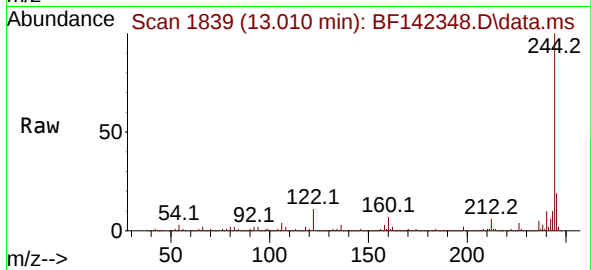
Acq: 13 May 2025 17:11

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-12



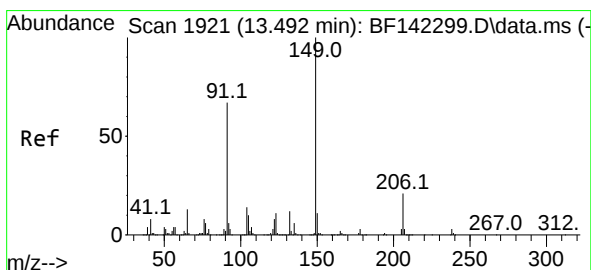
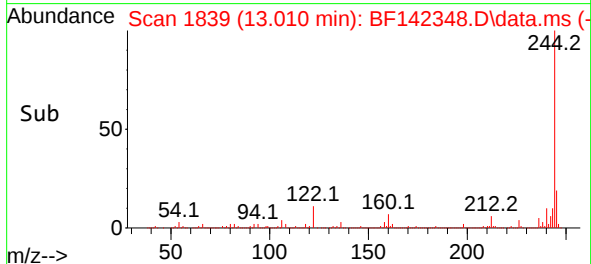
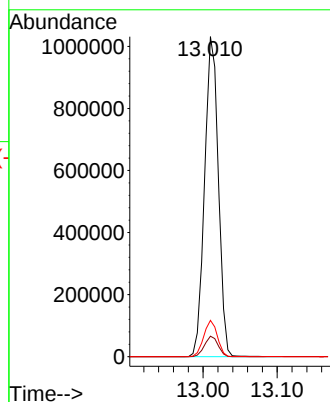
Tgt Ion:244 Resp: 1331384

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 11.4 9.0 13.4



#80

Butylbenzylphthalate

Concen: 3.775 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142348.D

Acq: 13 May 2025 17:11

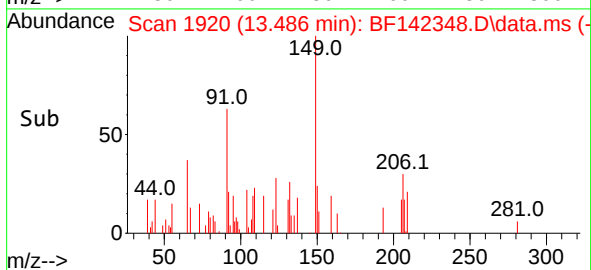
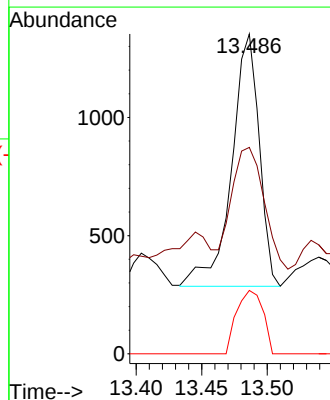
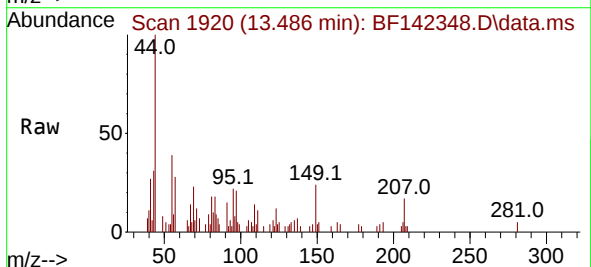
Tgt Ion:149 Resp: 1565

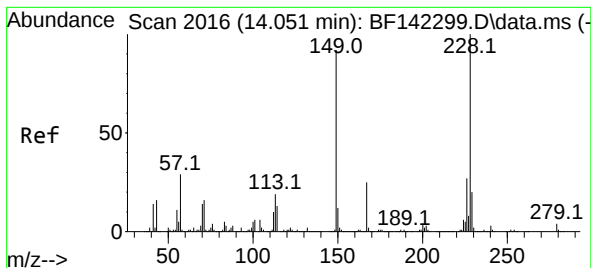
Ion Ratio Lower Upper

149 100

91 64.5 53.8 80.6

206 19.8 16.6 24.8

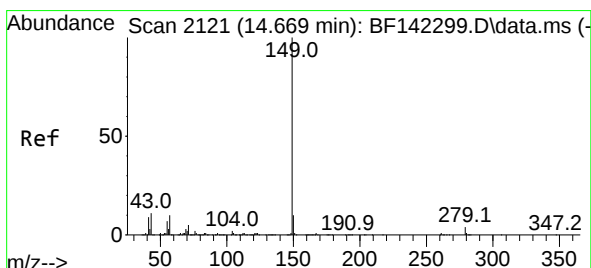
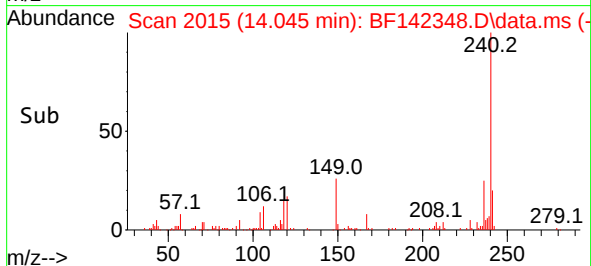
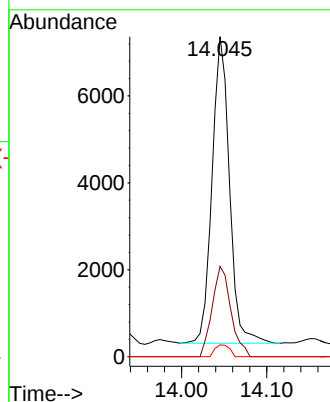
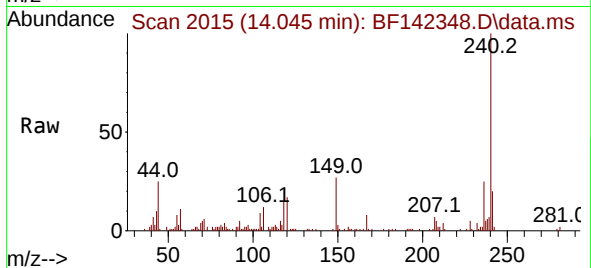




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.798 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

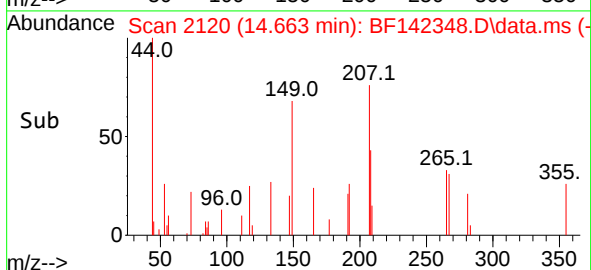
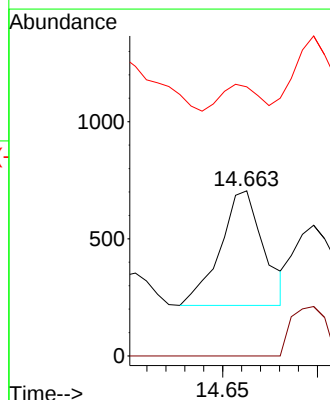
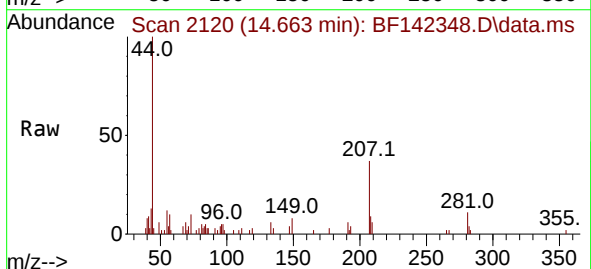
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-12

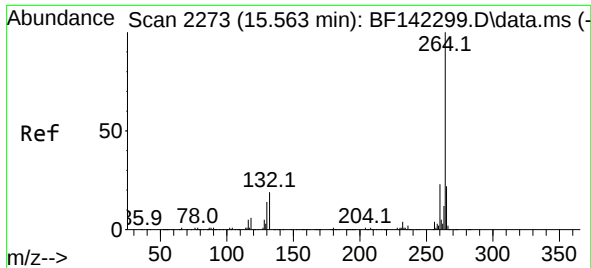
Tgt Ion:149 Resp: 10017
Ion Ratio Lower Upper
149 100
167 28.2 22.0 33.0
279 3.7 3.0 4.6



#85
Di-n-octyl phthalate
Concen: 7.862 ng
RT: 14.663 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BF142348.D
Acq: 13 May 2025 17:11

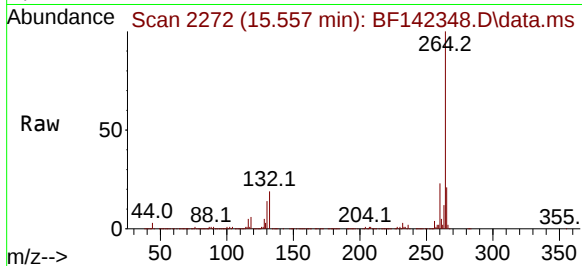
Tgt Ion:149 Resp: 777
Ion Ratio Lower Upper
149 100
167 0.0 1.1 1.7#
43 21.2 9.2 13.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142348.D
 Acq: 13 May 2025 17:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-12



Tgt Ion:264 Resp: 486105
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 27.8
 265 21.4 17.5 26.3

