

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141922.D
 Acq On : 11 Mar 2025 18:12
 Operator : RC/JU
 Sample : Q1534-24
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-19

Quant Time: Mar 12 01:14:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

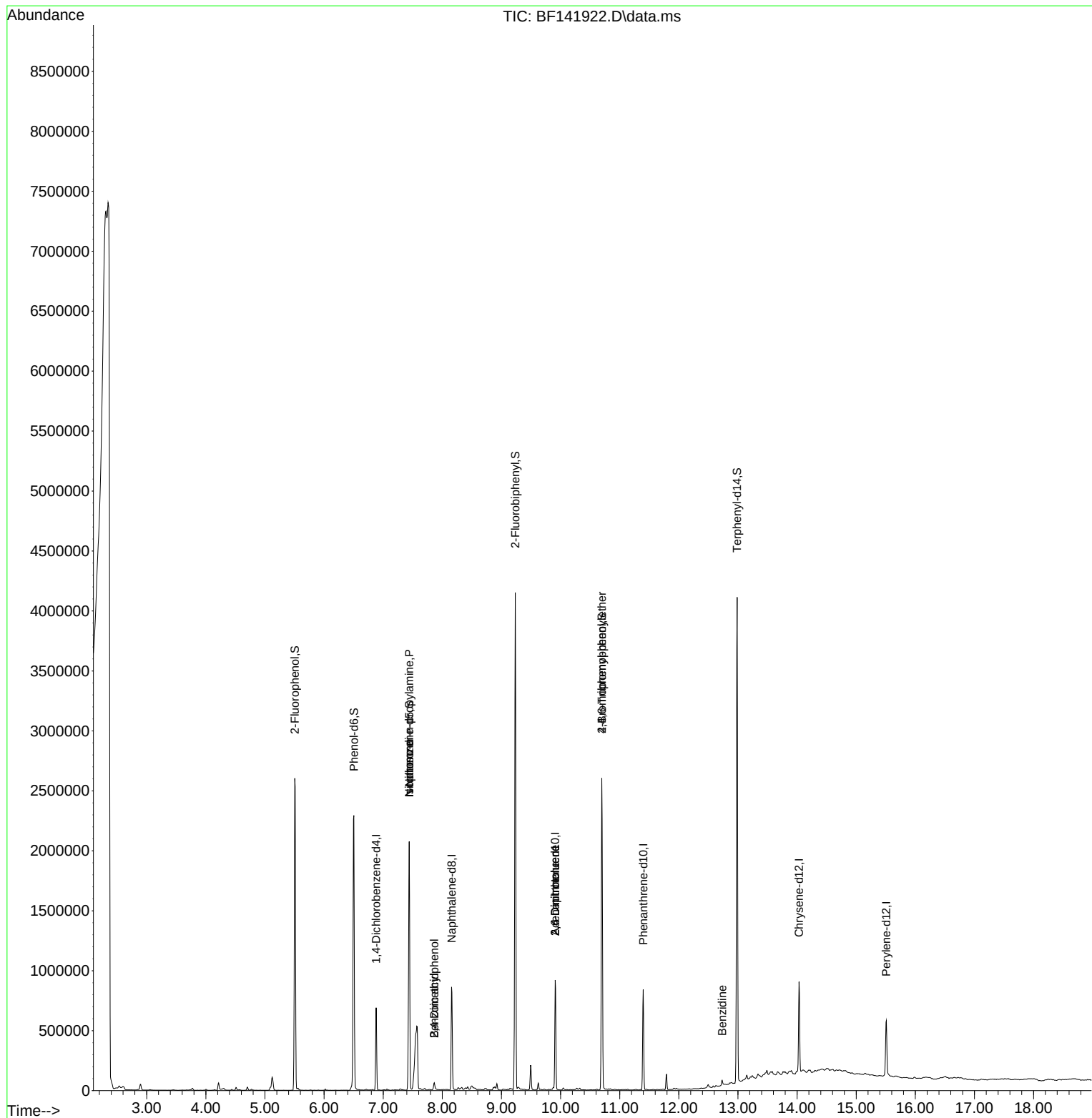
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	140435	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	557319	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	270213	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	420147	20.000	ng	0.00
76) Chrysene-d12	14.033	240	368210	20.000	ng	0.00
86) Perylene-d12	15.509	264	277285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1035471	123.058	ng	0.01
7) Phenol-d6	6.504	99	1155127	107.819	ng	0.00
23) Nitrobenzene-d5	7.439	82	946464	95.570	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	464750	135.574	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1774256	99.859	ng	0.00
79) Terphenyl-d14	12.986	244	2011710	80.775	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	130963	19.024	ng	# 78
25) Isophorone	7.439	82	936794	53.514	ng	# 64
27) 2,4-Dimethylphenol	7.863	122	17387	2.613	ng	# 3
32) Benzoic acid	7.863	122	17387	2.973	ng	# 97
51) 2,6-Dinitrotoluene	9.910	165	34645	8.794	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	34645	6.733	ng	# 25
67) 4-Bromophenyl-phenylether	10.698	248	29890	5.665	ng	# 1
77) Benzidine	12.733	184	27090	5.273	ng	# 98

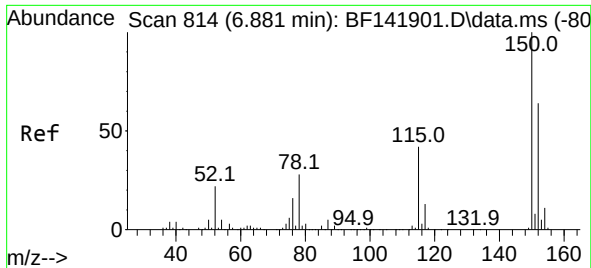
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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Quant Time: Mar 12 01:14:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
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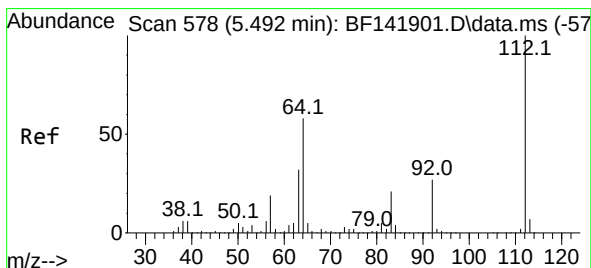
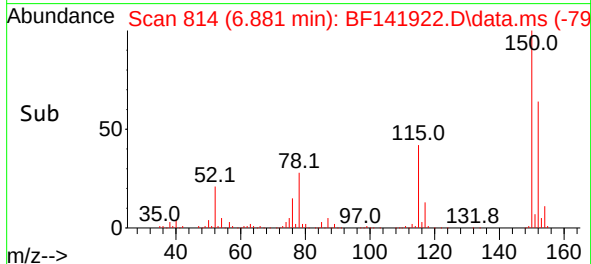
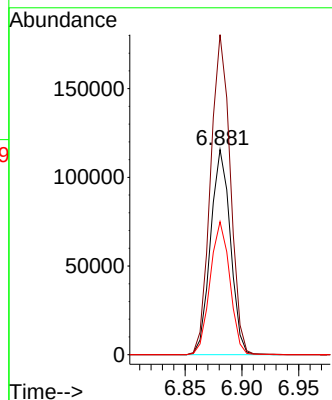
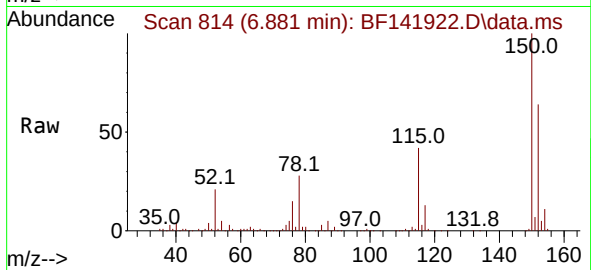




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

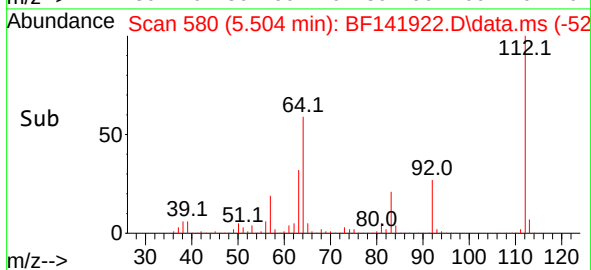
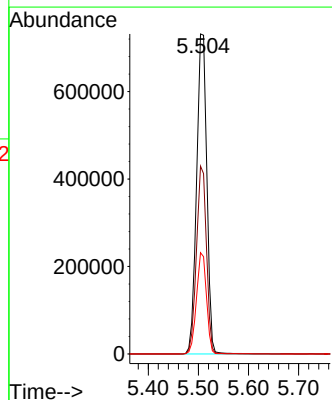
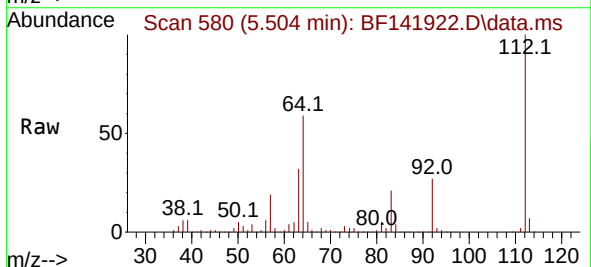
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-19

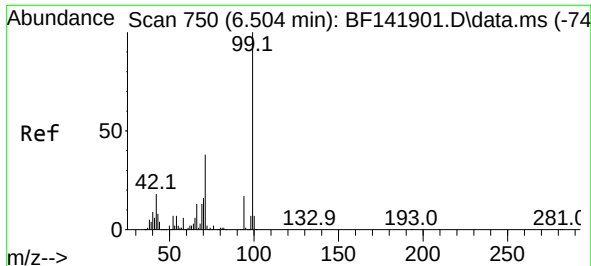
Tgt Ion:152 Resp: 140435
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 64.9 51.9 77.9



#5
2-Fluorophenol
Concen: 123.058 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

Tgt Ion:112 Resp: 1035471
Ion Ratio Lower Upper
112 100
64 58.7 46.5 69.7
63 31.7 25.4 38.2

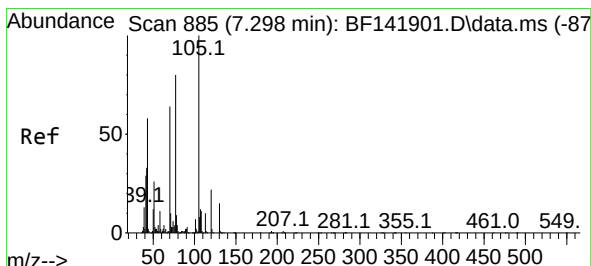
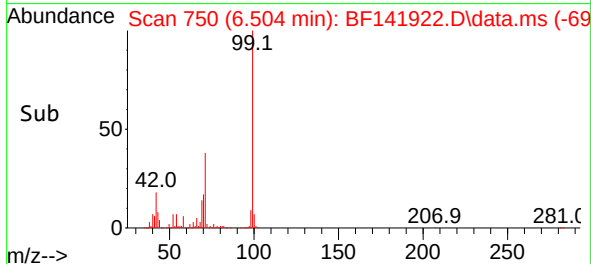
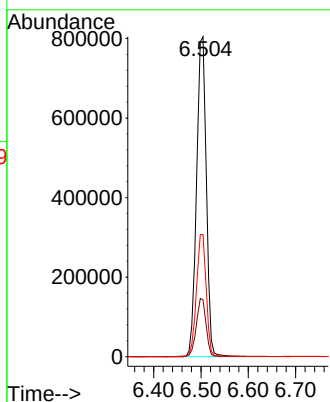
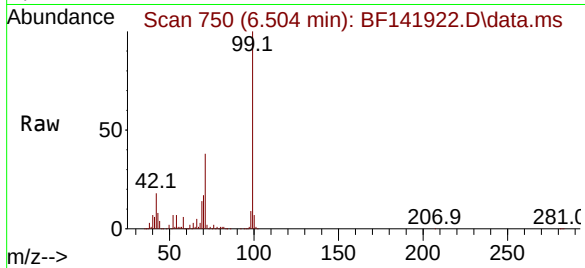




#7
Phenol-d6
Concen: 107.819 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

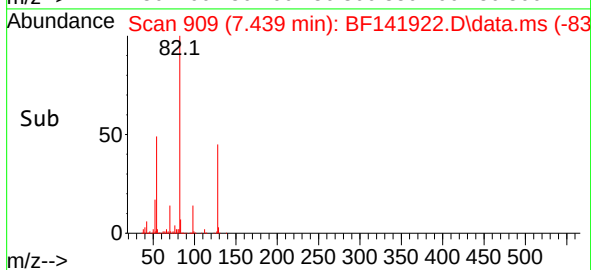
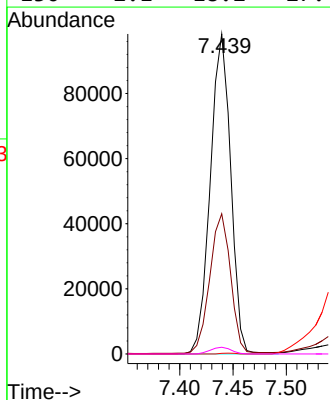
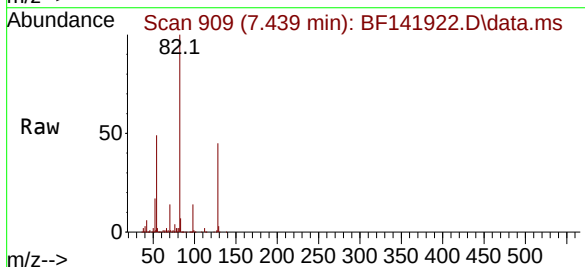
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-19

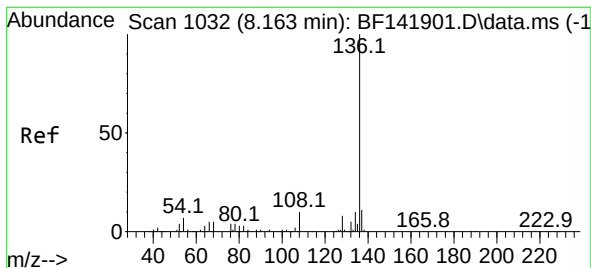
Tgt Ion: 99 Resp: 1155127
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.2 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.024 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

Tgt Ion: 70 Resp: 130963
Ion Ratio Lower Upper
70 100
42 43.8 41.4 62.0
101 0.2 8.2 12.2#
130 2.1 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-19

Tgt Ion:136 Resp: 557319

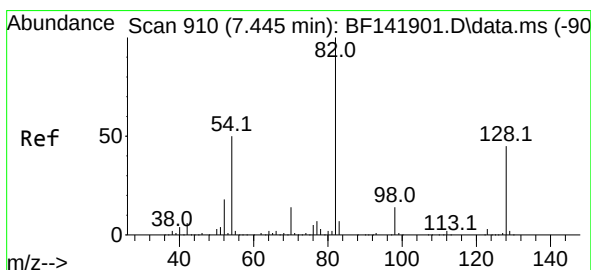
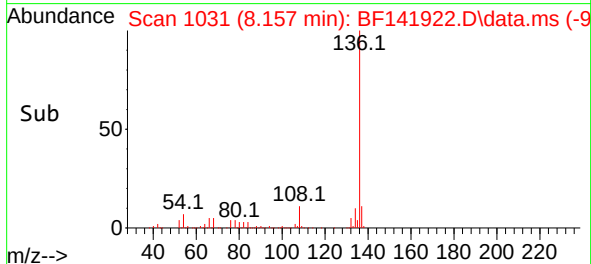
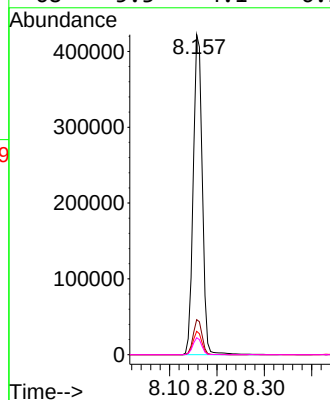
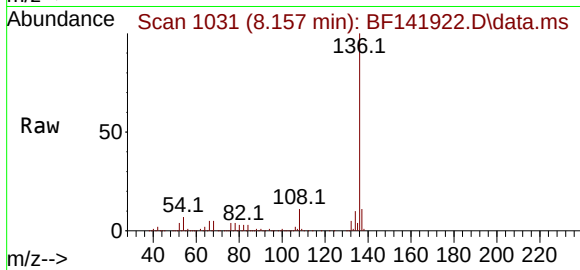
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.3 5.8 8.8

68 5.3 4.1 6.1



#23

Nitrobenzene-d5

Concen: 95.570 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

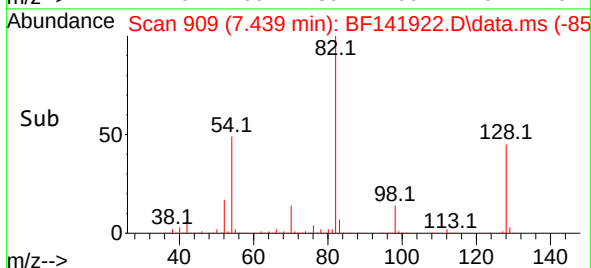
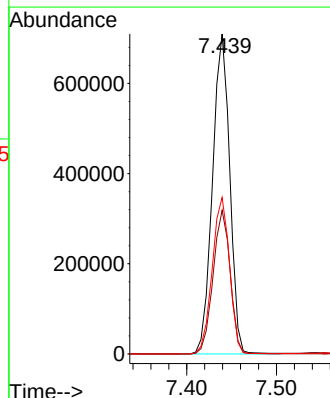
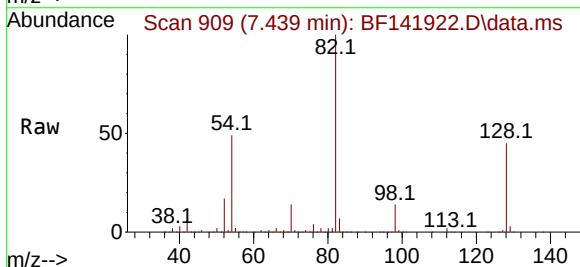
Tgt Ion: 82 Resp: 946464

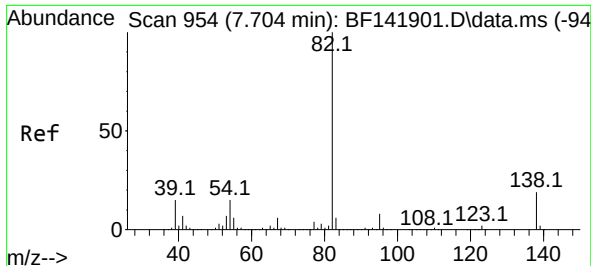
Ion Ratio Lower Upper

82 100

128 44.9 36.0 54.0

54 48.9 39.6 59.4

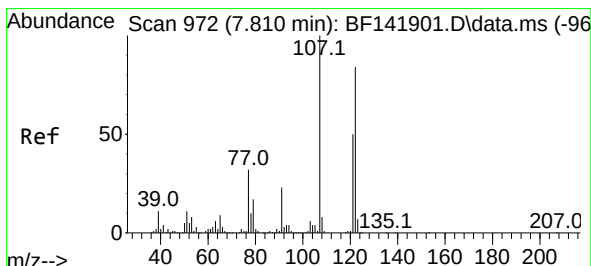
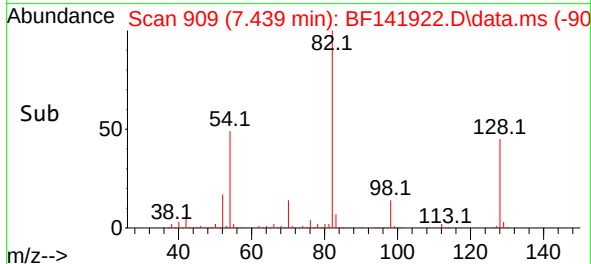
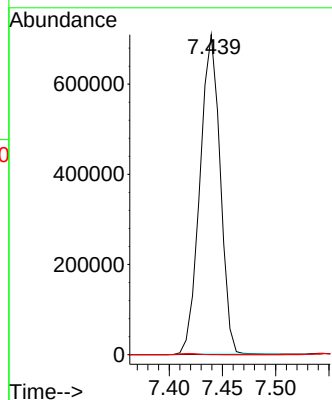
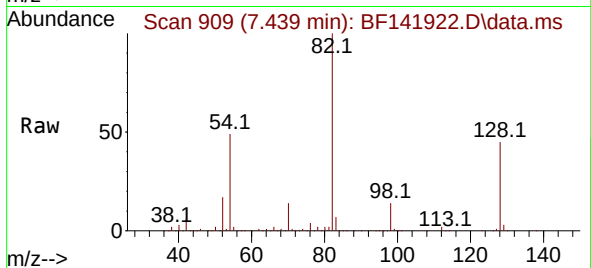




#25
Isophorone
Concen: 53.514 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

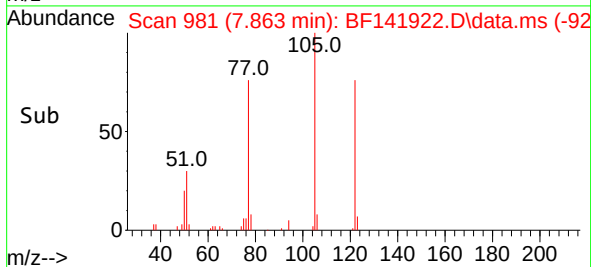
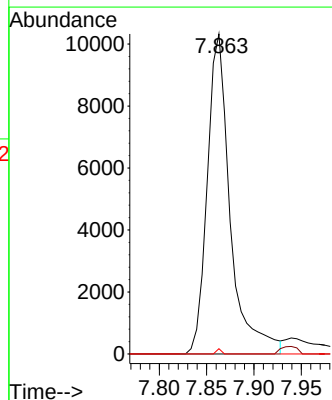
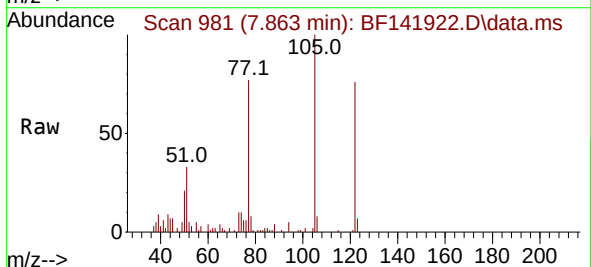
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-19

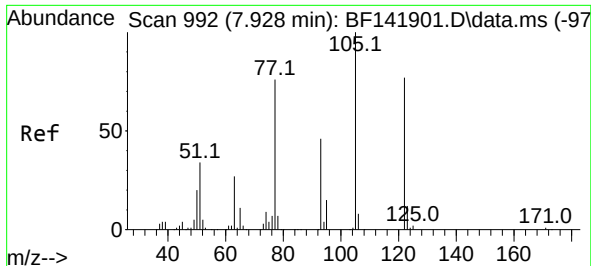
Tgt Ion: 82 Resp: 936794
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#27
2,4-Dimethylphenol
Concen: 2.613 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.053 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

Tgt Ion:122 Resp: 17387
Ion Ratio Lower Upper
122 100
107 0.0 94.8 142.2#
121 1.7 47.8 71.6#

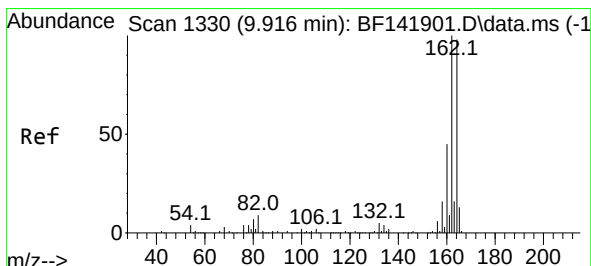
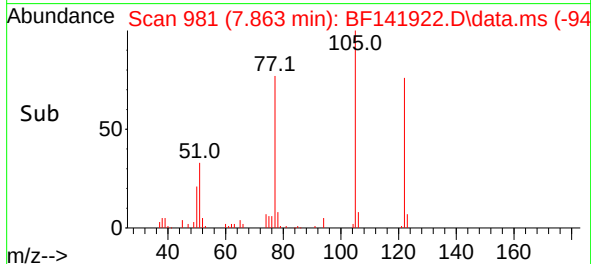
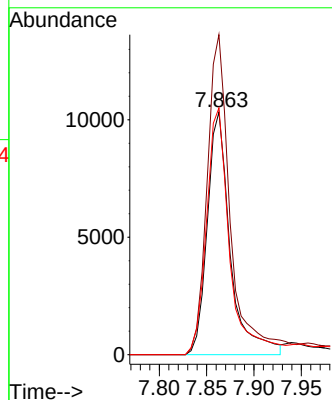
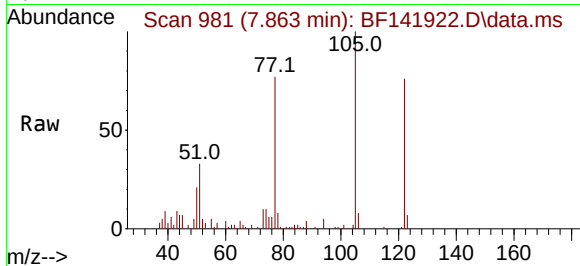




#32
Benzoic acid
Concen: 2.973 ng
RT: 7.863 min Scan# 91
Delta R.T. -0.065 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

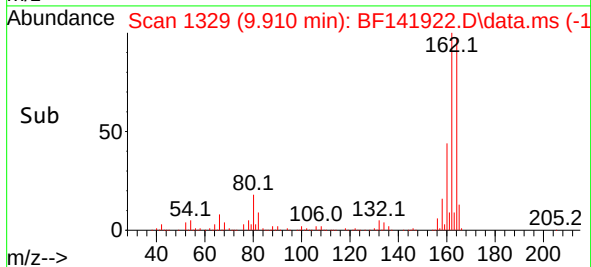
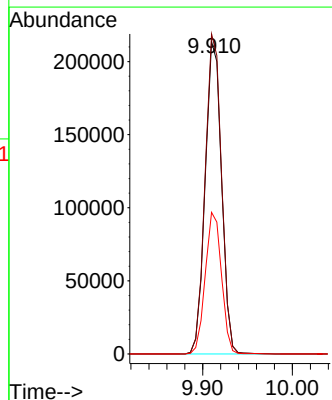
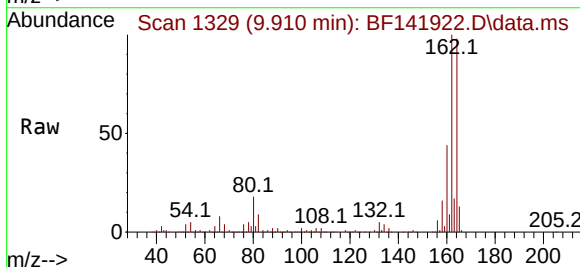
Instrument :
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ClientSampleId :
OR-636-COMP-19

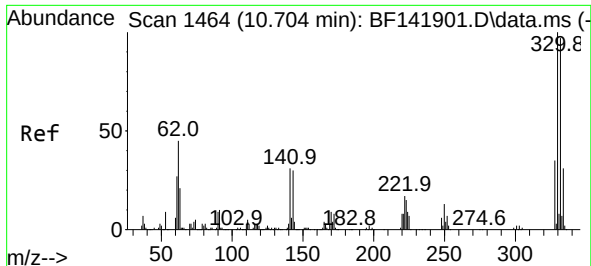
Tgt Ion:122 Resp: 17387
Ion Ratio Lower Upper
122 100
105 131.9 107.9 147.9
77 101.7 79.0 119.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

Tgt Ion:164 Resp: 270213
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 45.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 135.574 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-19

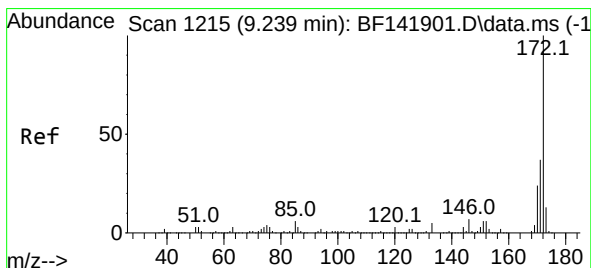
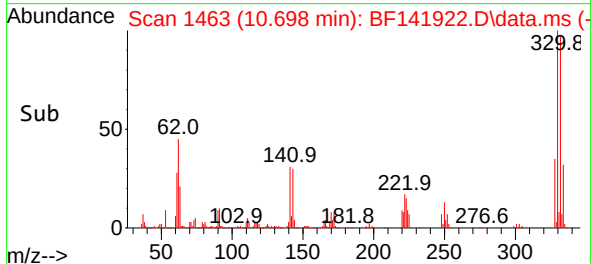
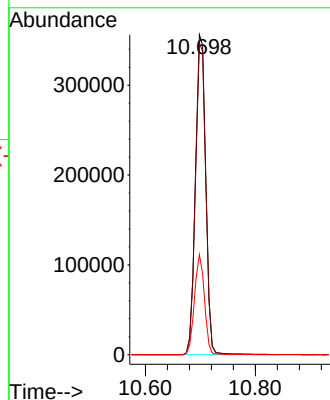
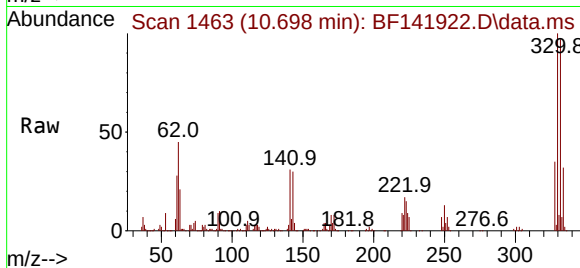
Tgt Ion:330 Resp: 464750

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 30.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 99.859 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

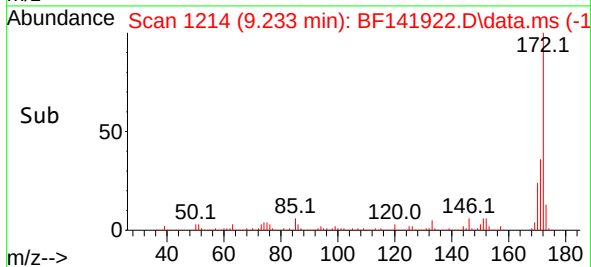
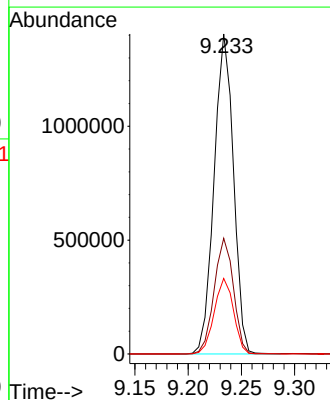
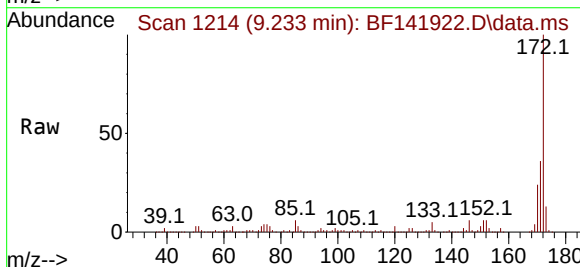
Tgt Ion:172 Resp: 1774256

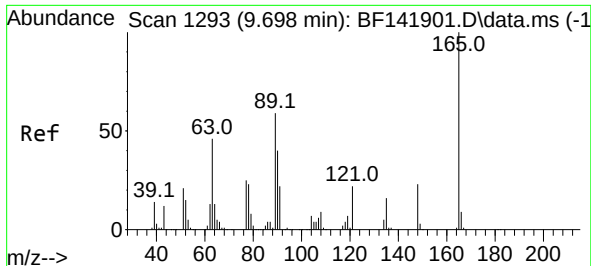
Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.794 ng

RT: 9.910 min Scan# 1329

Delta R.T. 0.212 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-19

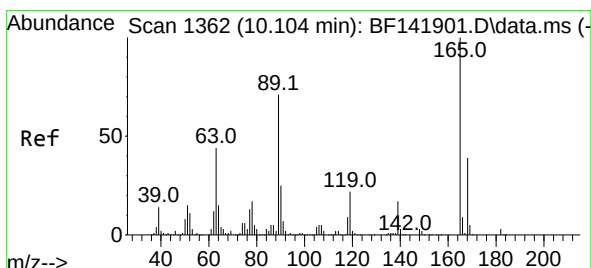
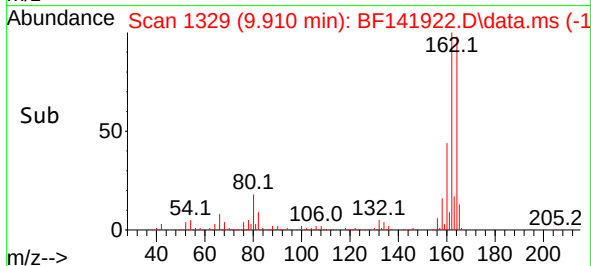
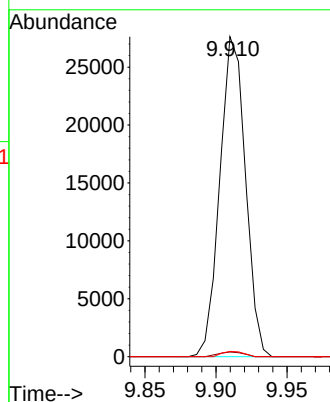
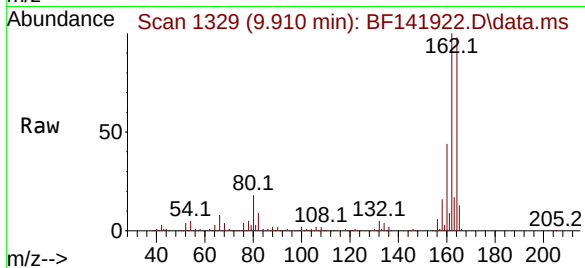
Tgt Ion:165 Resp: 34645

Ion Ratio Lower Upper

165 100

63 1.5 47.0 70.4#

89 1.6 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.733 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

Tgt Ion:165 Resp: 34645

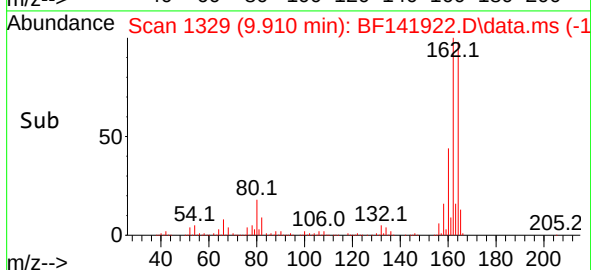
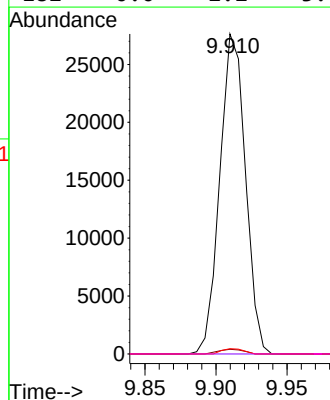
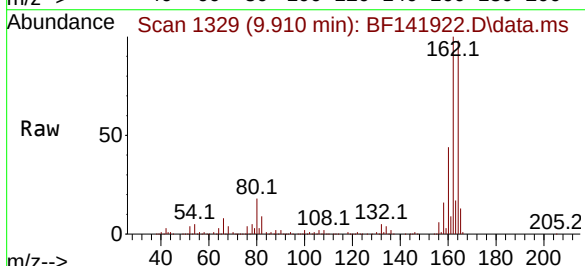
Ion Ratio Lower Upper

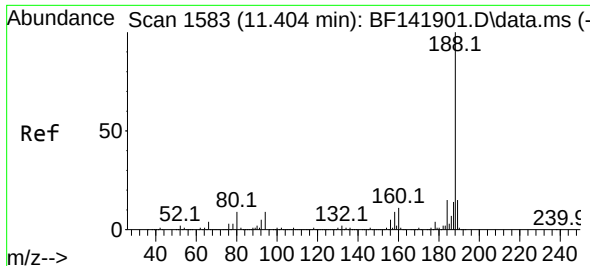
165 100

63 1.5 35.4 53.2#

89 1.6 56.6 84.8#

182 0.0 2.2 3.4#

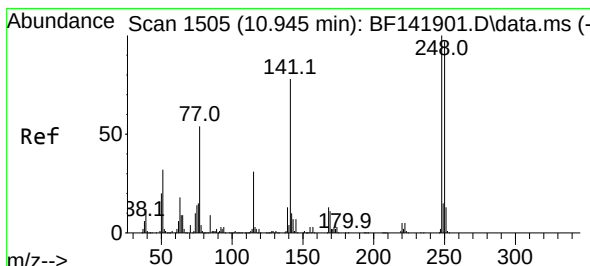
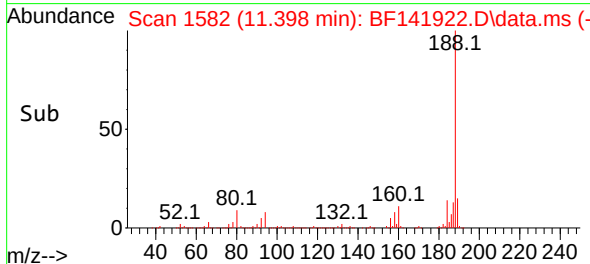
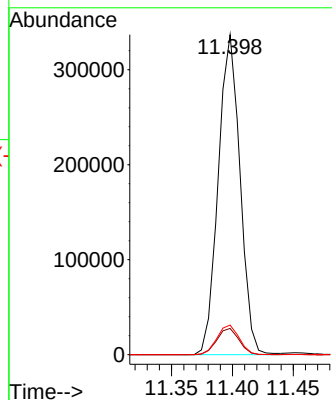
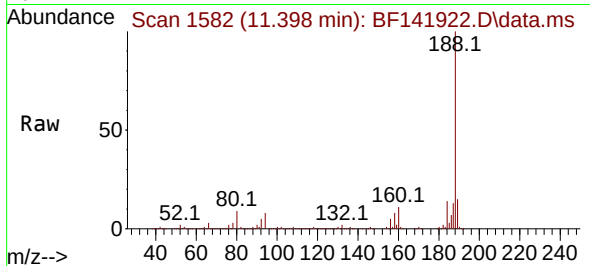




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

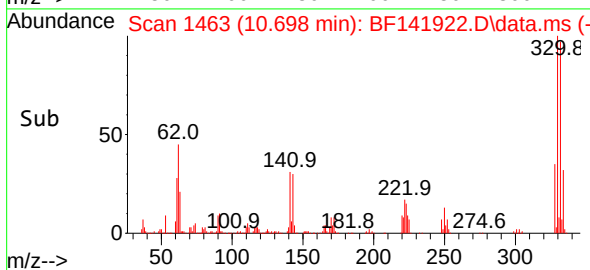
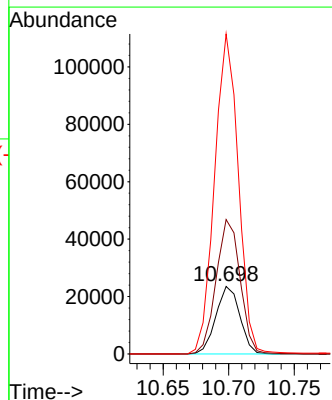
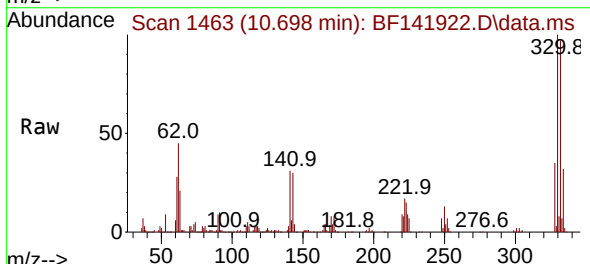
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-19

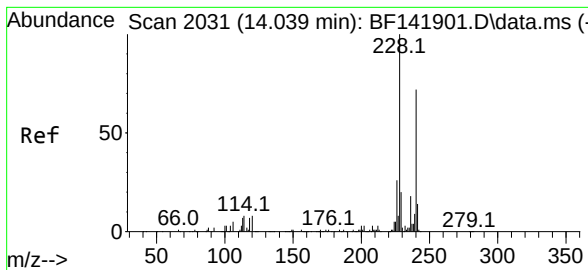
Tgt Ion:188 Resp: 420147
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 5.665 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF141922.D
Acq: 11 Mar 2025 18:12

Tgt Ion:248 Resp: 29890
Ion Ratio Lower Upper
248 100
250 199.0 77.8 116.8#
141 473.9 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-19

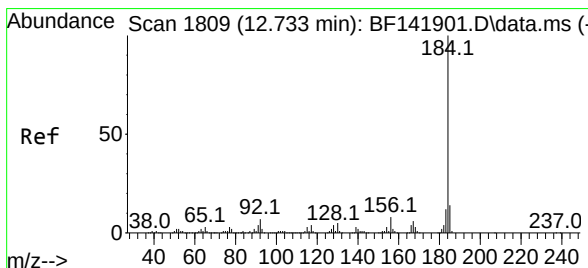
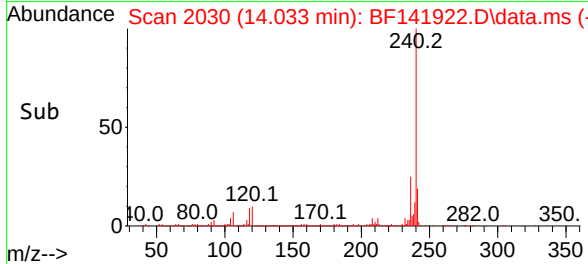
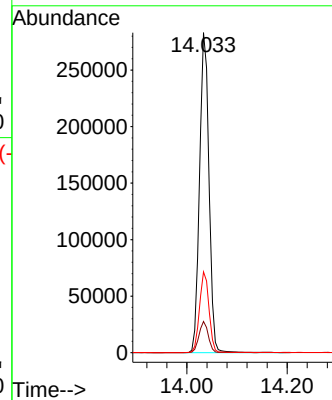
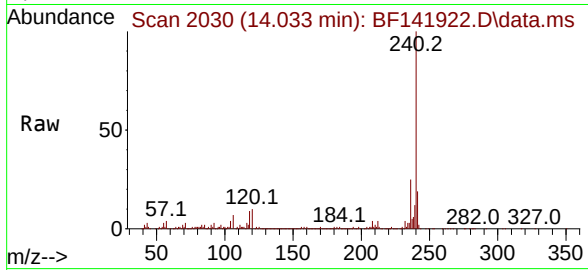
Tgt Ion:240 Resp: 368210

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 25.2 20.5 30.7



#77

Benzdine

Concen: 5.273 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141922.D

Acq: 11 Mar 2025 18:12

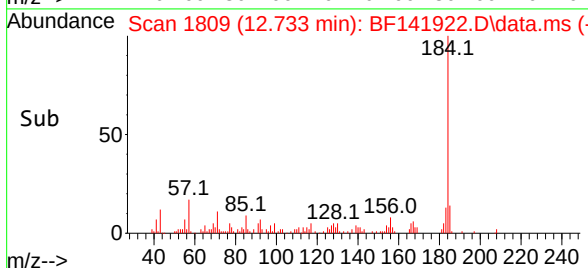
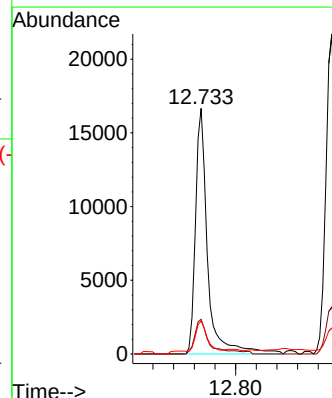
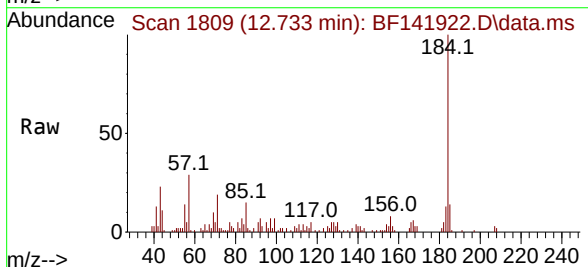
Tgt Ion:184 Resp: 27090

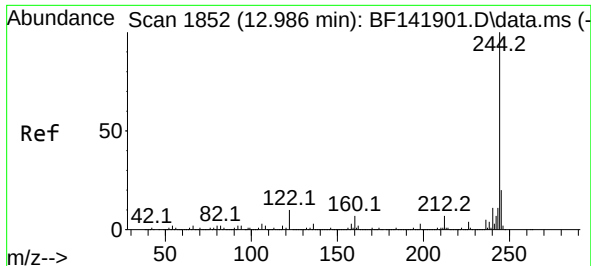
Ion Ratio Lower Upper

184 100

185 14.0 11.5 17.3

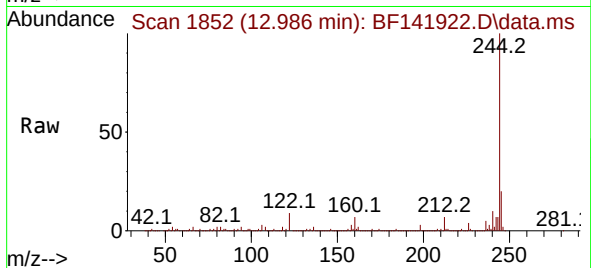
183 13.4 9.7 14.5



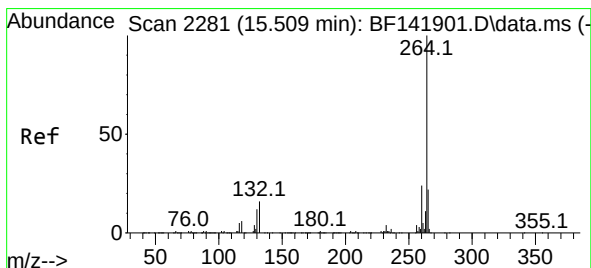
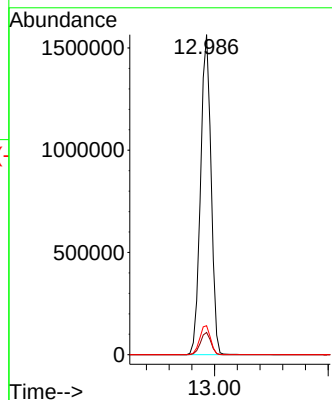
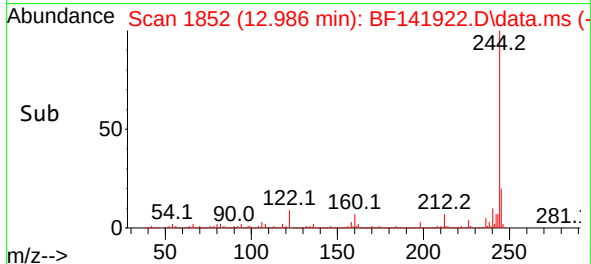


#79
 Terphenyl-d14
 Concen: 80.775 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141922.D
 Acq: 11 Mar 2025 18:12

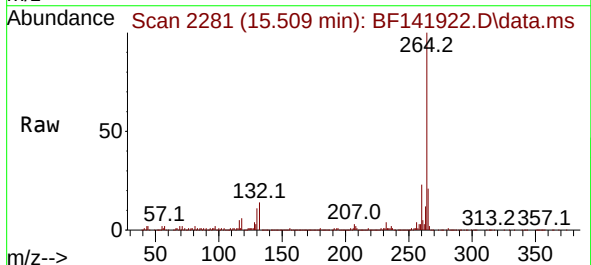
Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-19



Tgt Ion:244 Resp: 2011710
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.1 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF141922.D
 Acq: 11 Mar 2025 18:12



Tgt Ion:264 Resp: 277285
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.1 28.7
 265 21.0 17.5 26.3

