

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141920.D
 Acq On : 11 Mar 2025 17:12
 Operator : RC/JU
 Sample : Q1534-12
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

Quant Time: Mar 11 17:45:17 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)

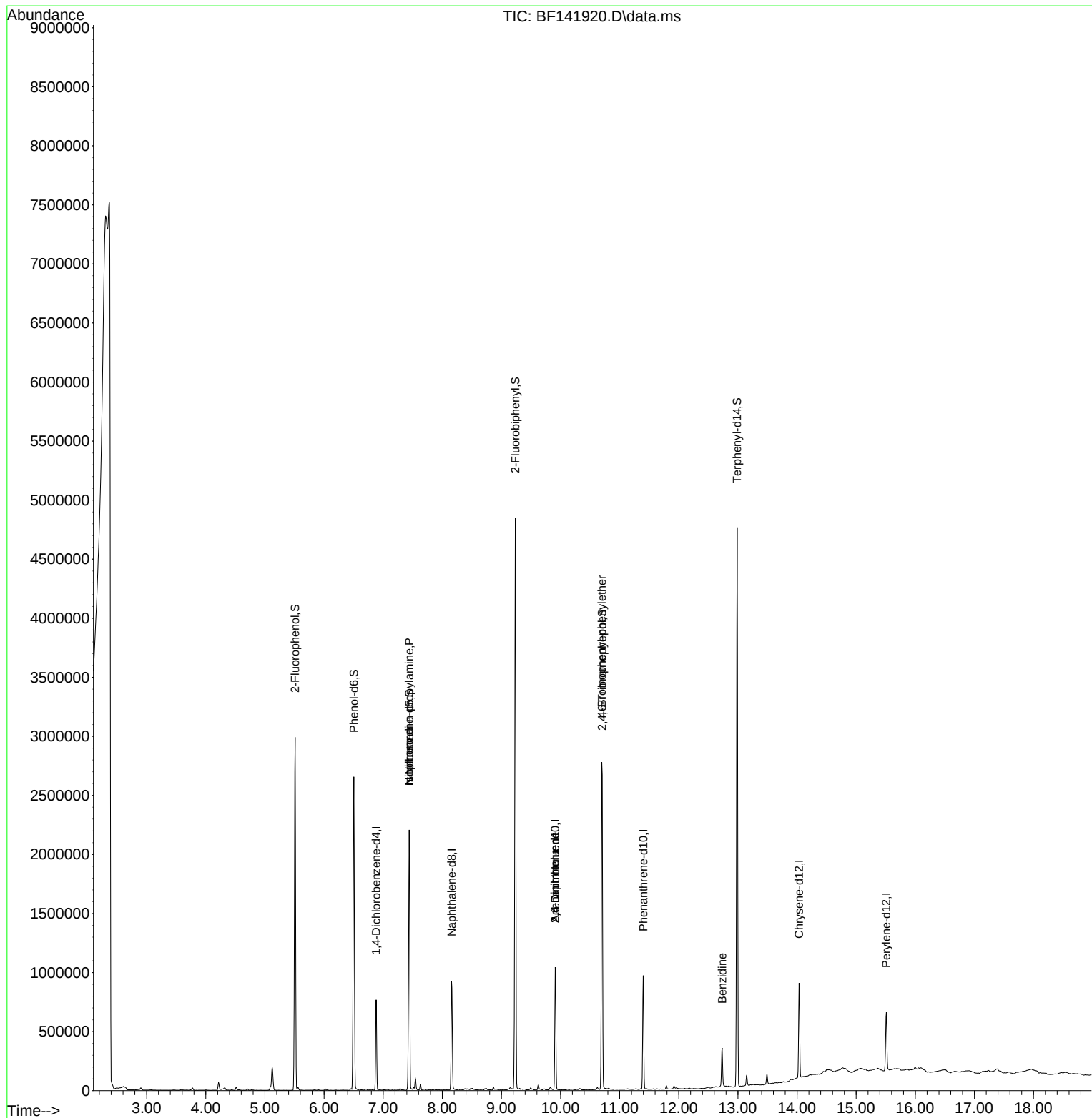
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	157014	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	598670	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	308849	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	478648	20.000	ng	0.00
76) Chrysene-d12	14.033	240	391748	20.000	ng	0.00
86) Perylene-d12	15.510	264	297064	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1170295	124.395	ng	0.02
7) Phenol-d6	6.504	99	1314838	109.768	ng	0.00
23) Nitrobenzene-d5	7.440	82	1012159	95.145	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	518852	132.422	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	2120758	104.429	ng	0.00
79) Terphenyl-d14	12.986	244	2314558	87.351	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.440	70	140475	18.251	ng	Qvalue
25) Isophorone	7.440	82	1004127	53.398	ng	# 79
51) 2,6-Dinitrotoluene	9.910	165	39488	8.769	ng	# 64
57) 2,4-Dinitrotoluene	9.910	165	39488	6.714	ng	# 23
67) 4-Bromophenyl-phenylether	10.698	248	33463	5.567	ng	# 24
77) Benzidine	12.733	184	184752	33.803	ng	# 1

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

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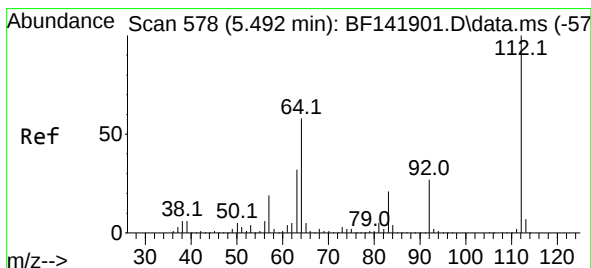
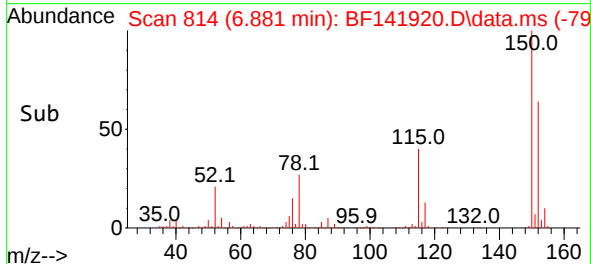
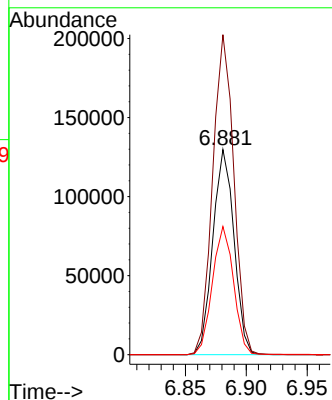
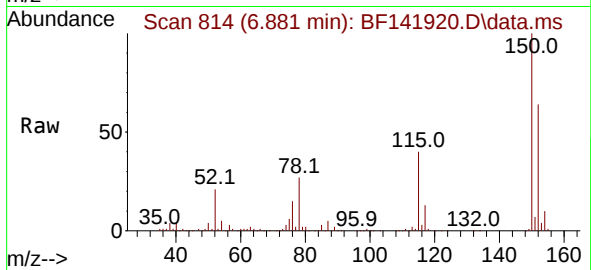




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

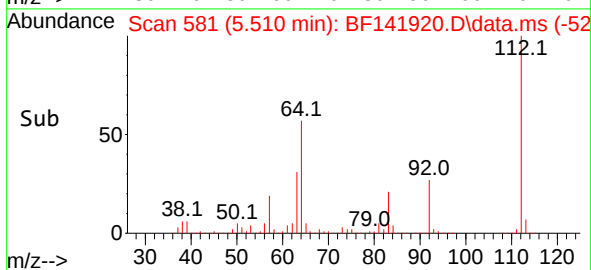
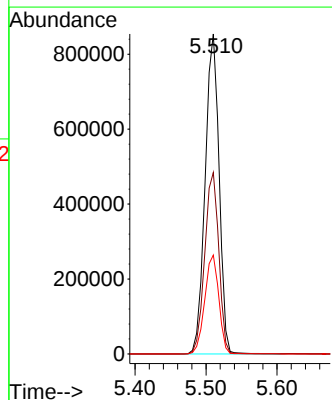
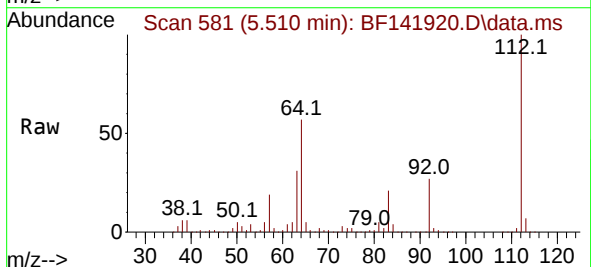
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

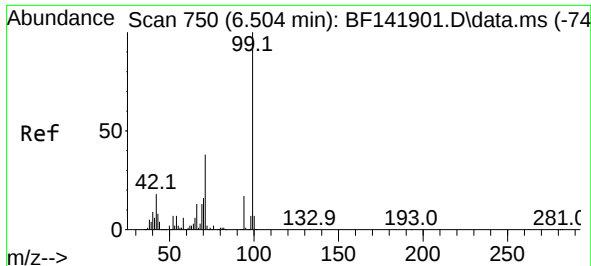
Tgt Ion:152 Resp: 157014
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 62.5 51.9 77.9



#5
2-Fluorophenol
Concen: 124.395 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

Tgt Ion:112 Resp: 1170295
Ion Ratio Lower Upper
112 100
64 56.7 46.5 69.7
63 30.9 25.4 38.2

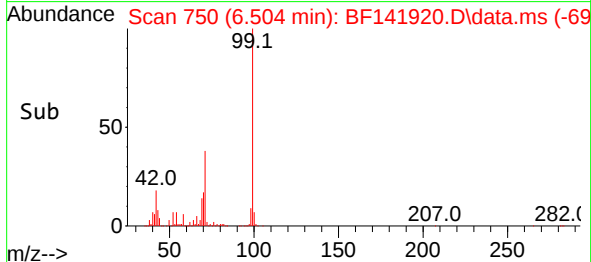
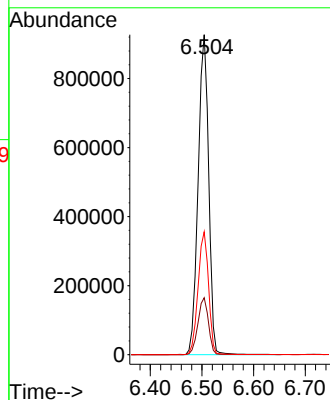
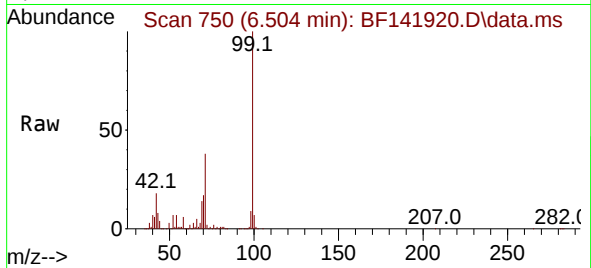




#7
Phenol-d6
Concen: 109.768 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

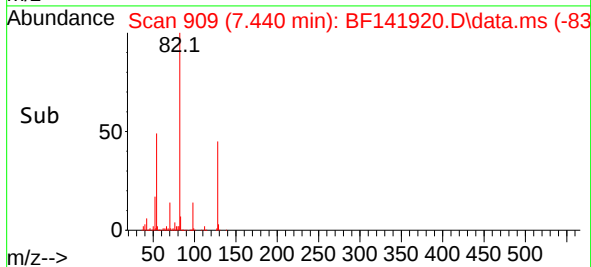
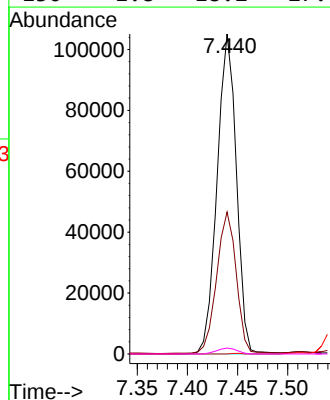
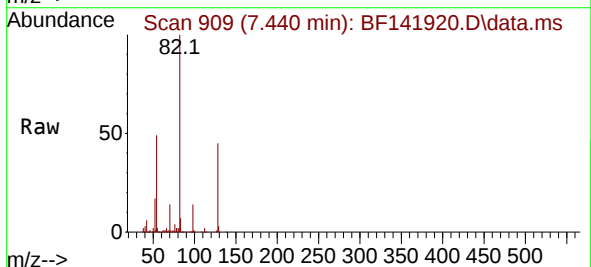
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

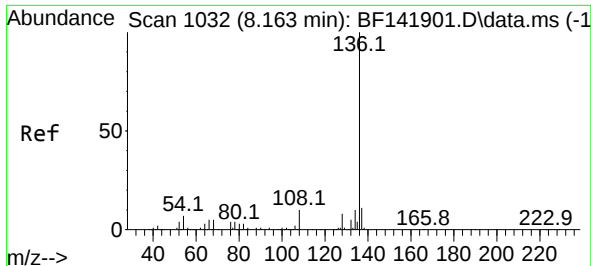
Tgt Ion: 99 Resp: 1314838
Ion Ratio Lower Upper
99 100
42 17.8 14.6 21.8
71 38.4 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.251 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

Tgt Ion: 70 Resp: 140475
Ion Ratio Lower Upper
70 100
42 44.4 41.4 62.0
101 0.0 8.2 12.2#
130 1.8 18.2 27.4#



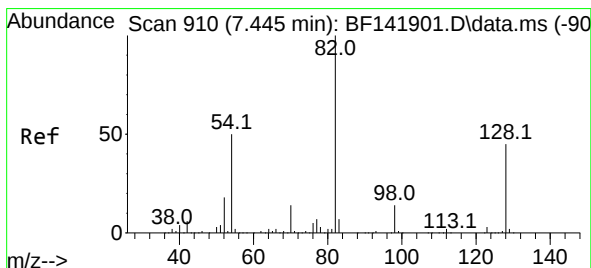
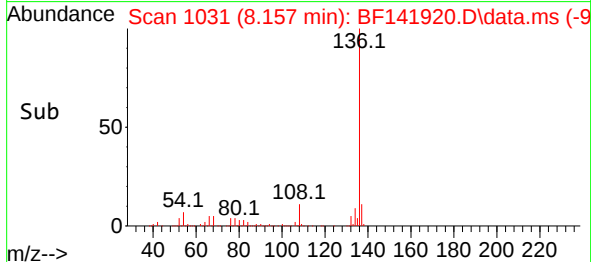
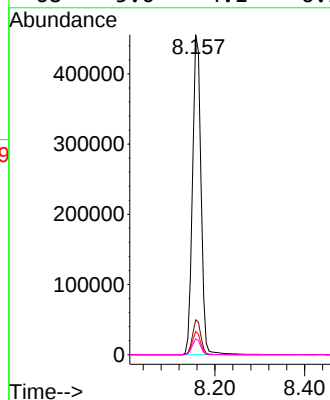
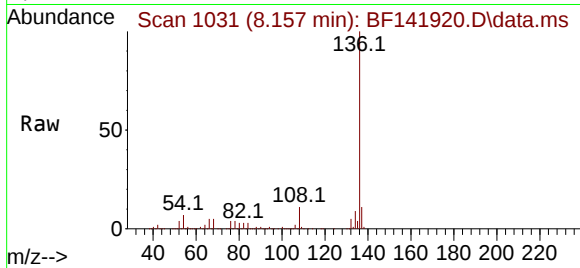


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-17

Tgt Ion:136 Resp: 598670

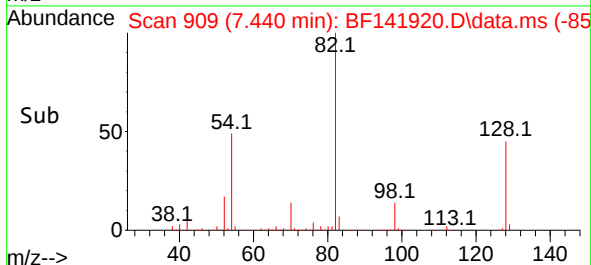
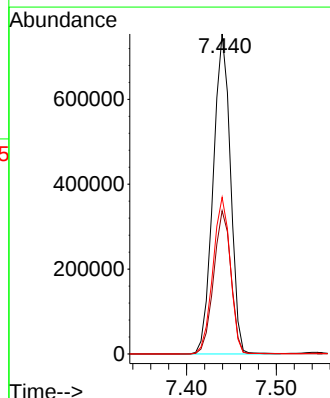
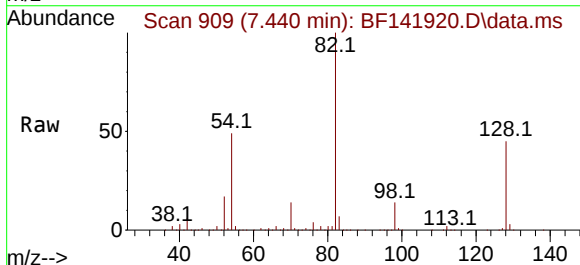
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.2	5.8	8.8
68	5.0	4.1	6.1

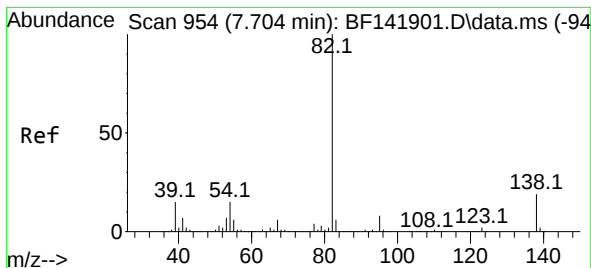


#23
Nitrobenzene-d5
Concen: 95.145 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF141920.D
Acq: 11 Mar 2025 17:12

Tgt Ion: 82 Resp: 1012159

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.0	54.0
54	48.9	39.6	59.4





#25

Isophorone

Concen: 53.398 ng

RT: 7.440 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

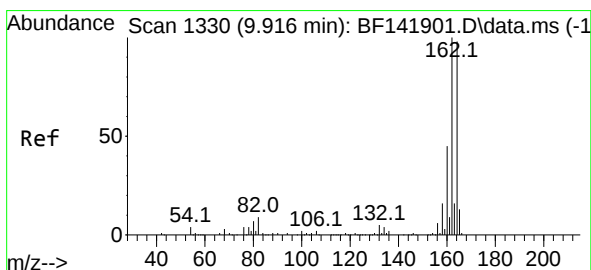
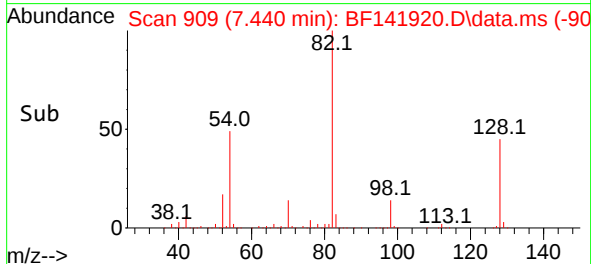
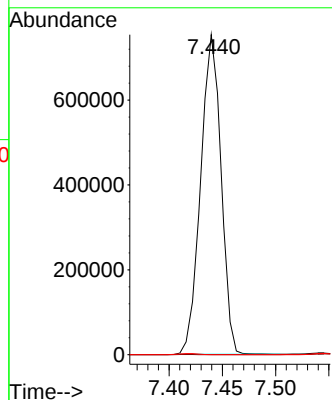
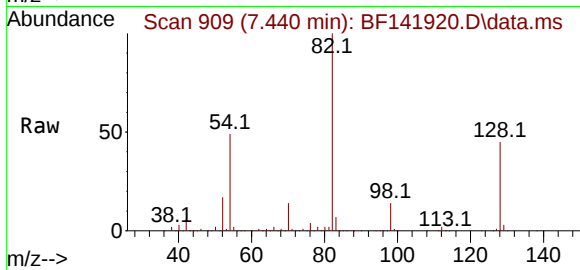
Tgt Ion: 82 Resp: 1004127

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 14.9 22.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

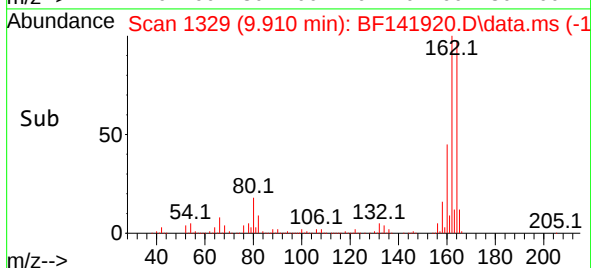
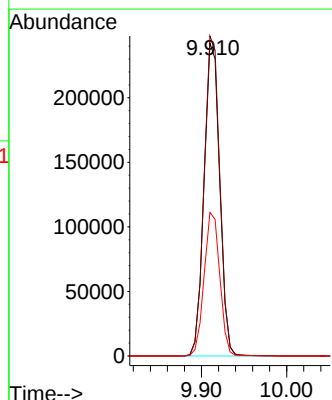
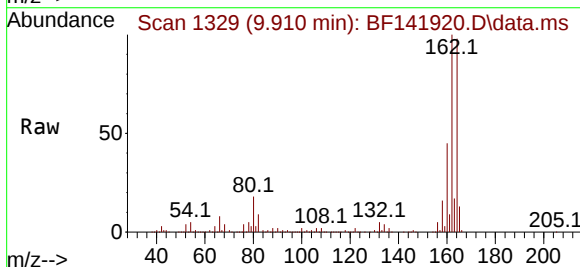
Tgt Ion:164 Resp: 308849

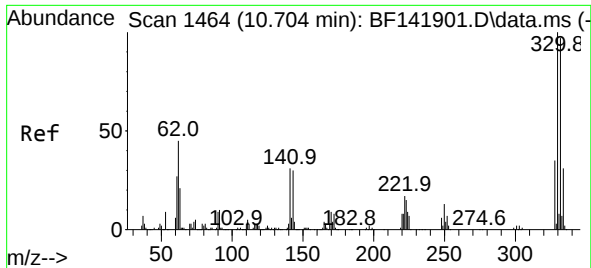
Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

160 45.9 36.7 55.1

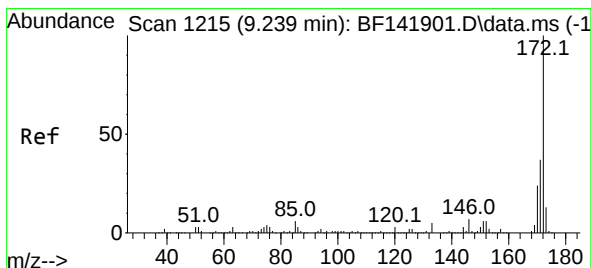
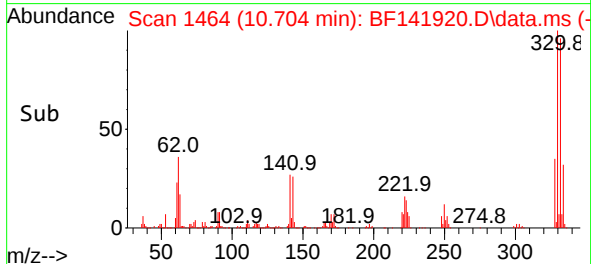
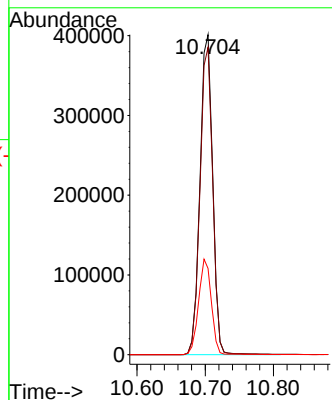
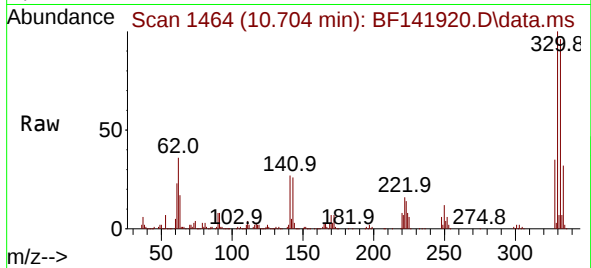




#42
 2,4,6-Tribromophenol
 Concen: 132.422 ng
 RT: 10.704 min Scan# 1464
 Delta R.T. 0.000 min
 Lab File: BF141920.D
 Acq: 11 Mar 2025 17:12

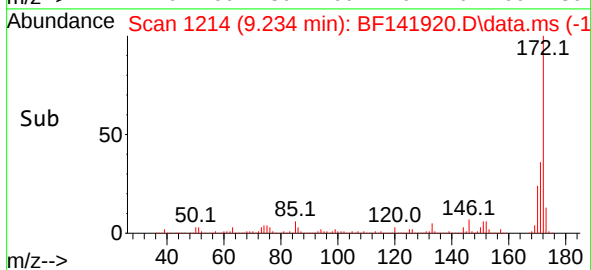
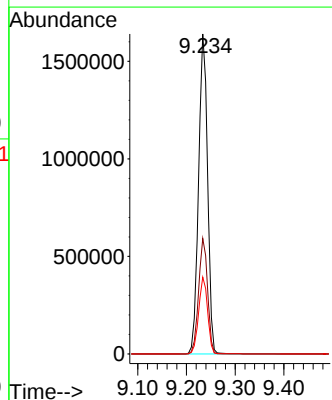
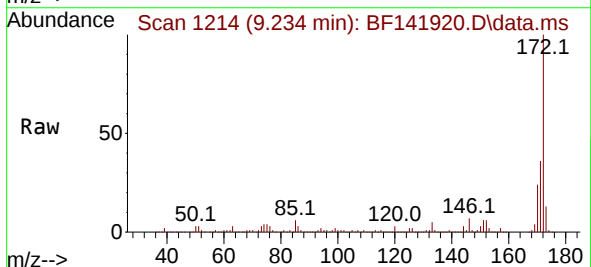
Instrument :
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 OR-636-COMP-17

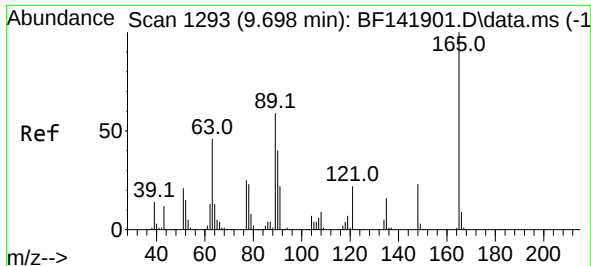
Tgt Ion: 330 Resp: 518852
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.6 116.4
 141 30.2 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 104.429 ng
 RT: 9.234 min Scan# 1214
 Delta R.T. -0.006 min
 Lab File: BF141920.D
 Acq: 11 Mar 2025 17:12

Tgt Ion: 172 Resp: 2120758
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.3 43.9
 170 24.0 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.769 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

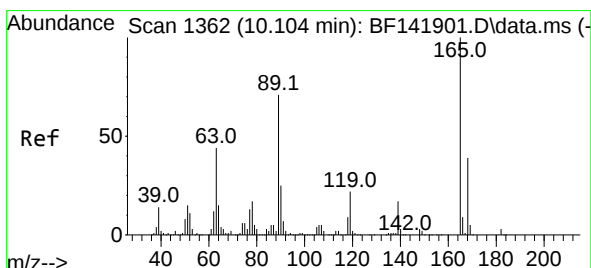
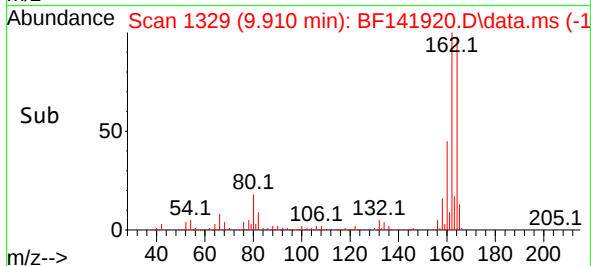
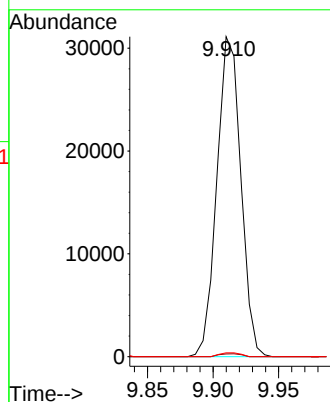
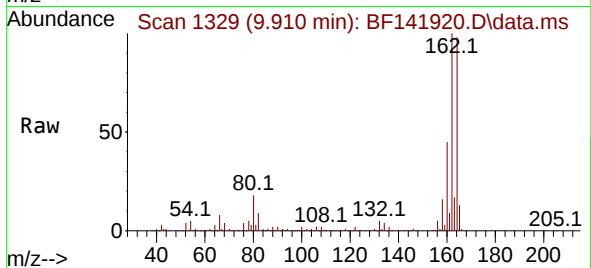
Tgt Ion:165 Resp: 39488

Ion Ratio Lower Upper

165 100

63 0.9 47.0 70.4#

89 1.2 47.4 71.2#



#57

2,4-Dinitrotoluene

Concen: 6.714 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.194 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

Tgt Ion:165 Resp: 39488

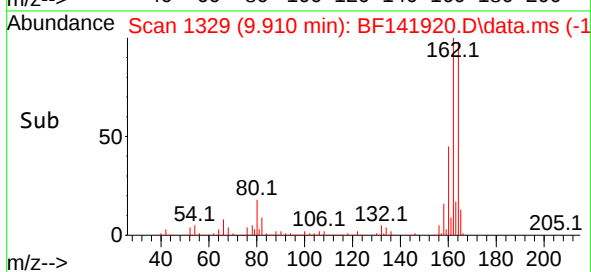
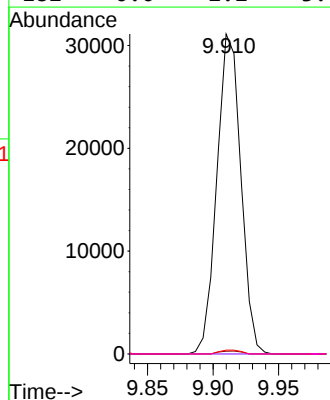
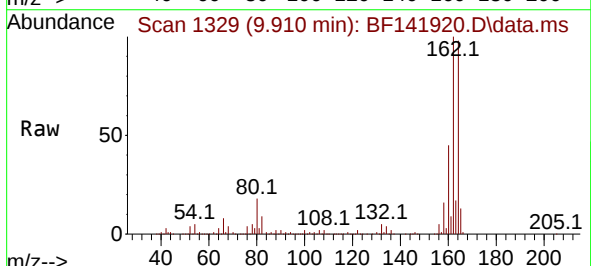
Ion Ratio Lower Upper

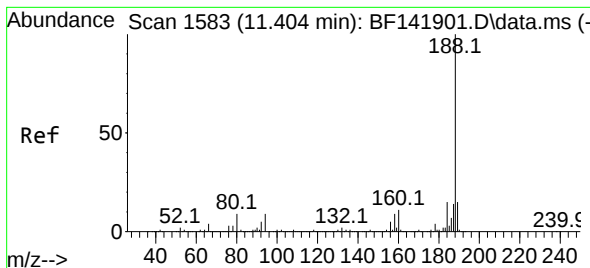
165 100

63 0.9 35.4 53.2#

89 1.2 56.6 84.8#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

Instrument :

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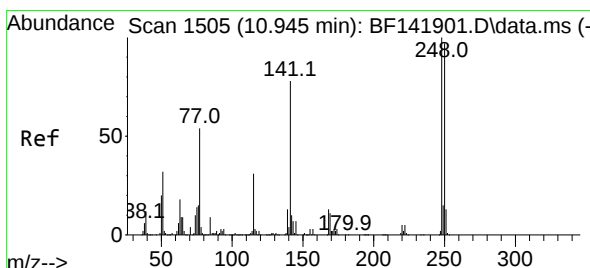
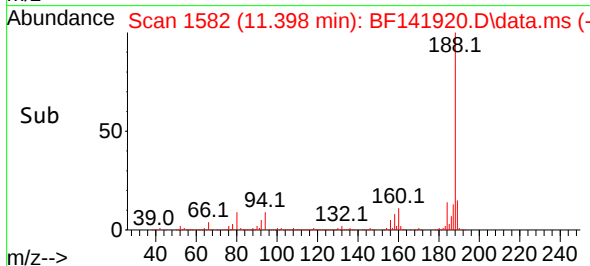
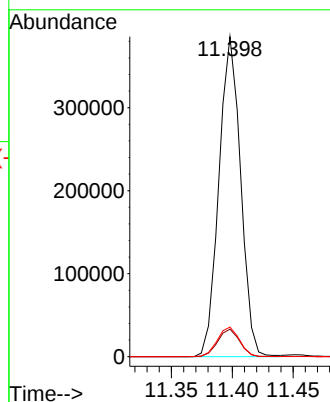
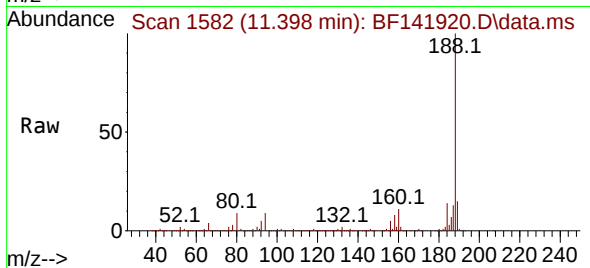
Tgt Ion:188 Resp: 478648

Ion Ratio Lower Upper

188 100

94 8.6 6.8 10.2

80 9.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.567 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

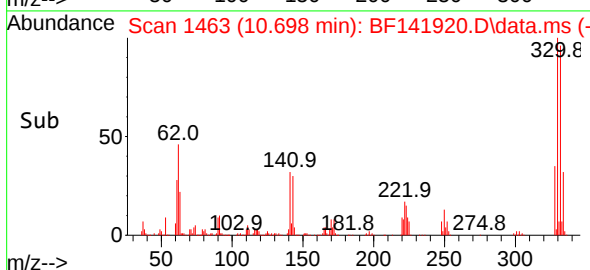
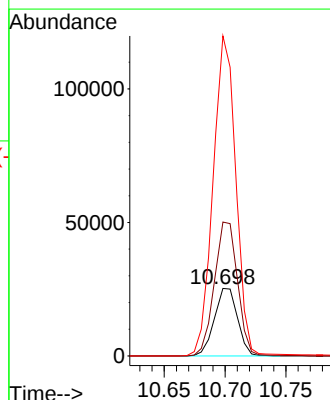
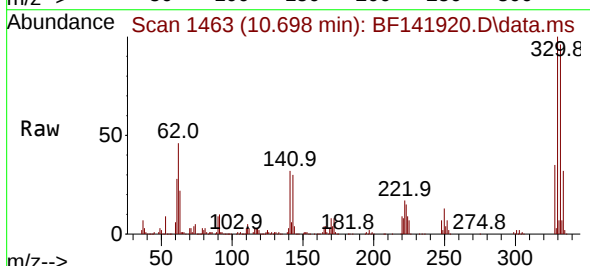
Tgt Ion:248 Resp: 33463

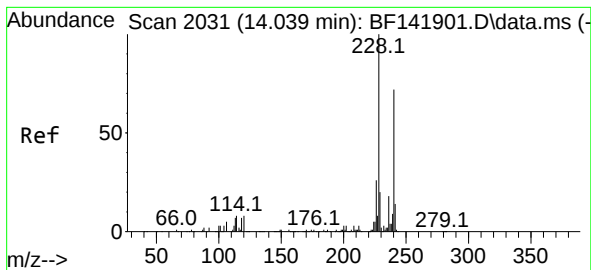
Ion Ratio Lower Upper

248 100

250 198.4 77.8 116.8#

141 474.3 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: BF141920.D

Acq: 11 Mar 2025 17:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-17

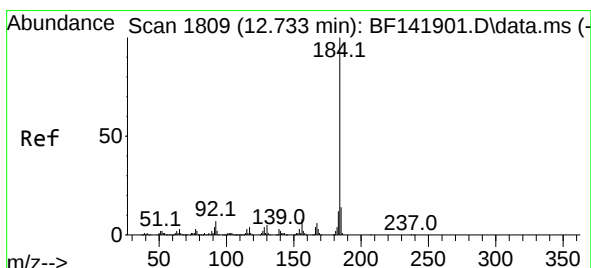
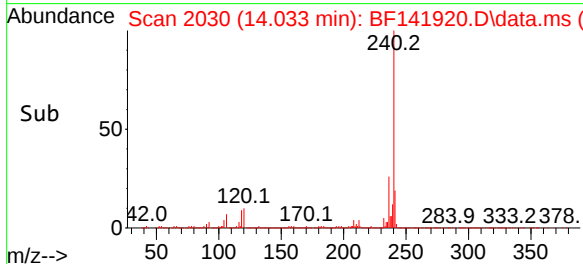
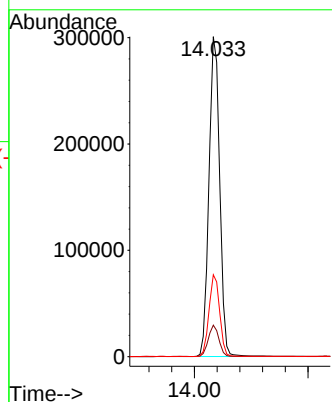
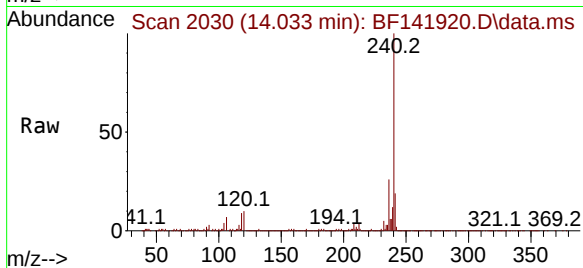
Tgt Ion:240 Resp: 391748

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

236 25.6 20.5 30.7



#77

Benzidine

Concen: 33.803 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.000 min

Lab File: BF141920.D

Acq: 11 Mar 2025 17:12

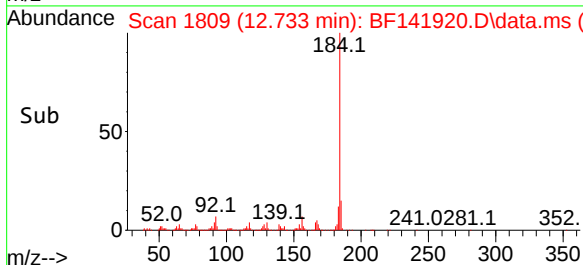
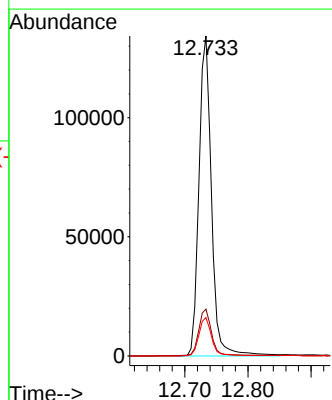
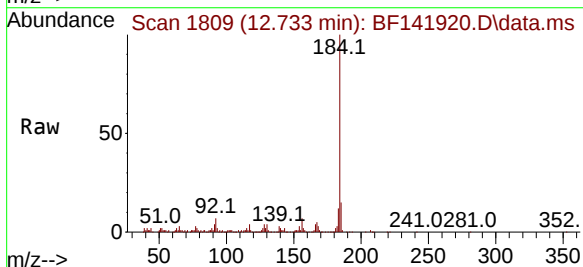
Tgt Ion:184 Resp: 184752

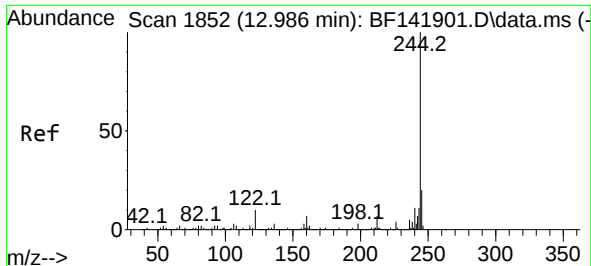
Ion Ratio Lower Upper

184 100

185 14.6 11.5 17.3

183 12.0 9.7 14.5

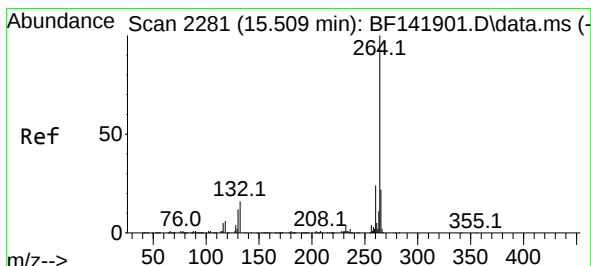
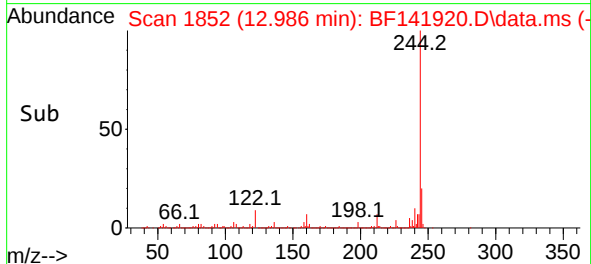
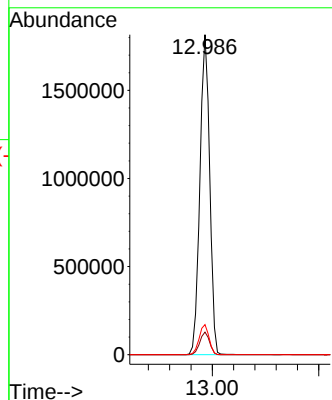
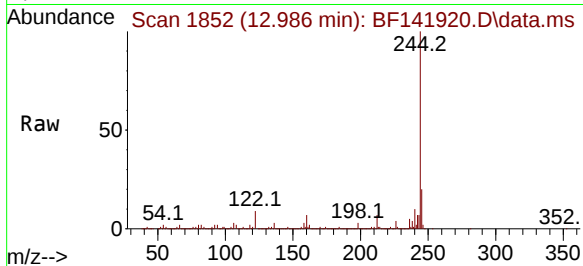




#79
 Terphenyl-d14
 Concen: 87.351 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF141920.D
 Acq: 11 Mar 2025 17:12

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-17

Tgt Ion:244 Resp: 2314558
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.4 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.510 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF141920.D
 Acq: 11 Mar 2025 17:12

Tgt Ion:264 Resp: 297064
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.2 17.5 26.3

