

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141330.D
 Acq On : 31 Jan 2025 14:20
 Operator : RC/JU
 Sample : Q1209-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Jan 31 14:45:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

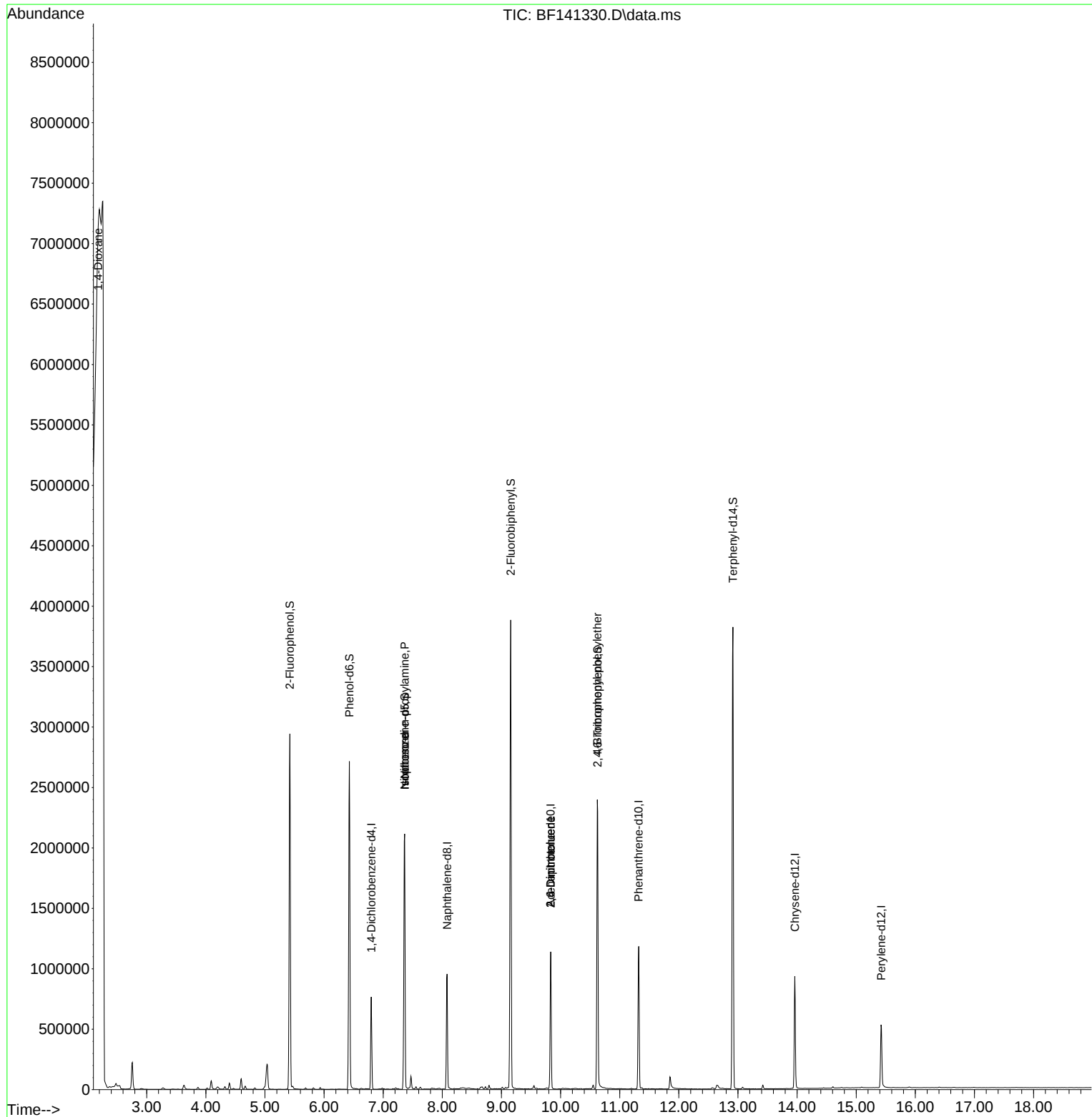
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	153336	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	616960	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	337355	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	594149	20.000	ng	0.00
76) Chrysene-d12	13.962	240	440726	20.000	ng	-0.01
86) Perylene-d12	15.421	264	316667	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1139237	114.061	ng	0.01
7) Phenol-d6	6.428	99	1325079	104.288	ng	-0.01
23) Nitrobenzene-d5	7.363	82	1008785	86.196	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	423286	136.863	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1802075	82.220	ng	0.00
79) Terphenyl-d14	12.915	244	2003893	70.120	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.181	88	20629	4.696	ng	# 30
19) n-Nitroso-di-n-propyla...	7.363	70	136768	18.115	ng	# 74
25) Isophorone	7.363	82	996203	49.243	ng	# 65
51) 2,6-Dinitrotoluene	9.833	165	43668	8.254	ng	# 23
57) 2,4-Dinitrotoluene	9.833	165	43668	6.375	ng	# 23
67) 4-Bromophenyl-phenylether	10.621	248	28570	4.295	ng	# 1

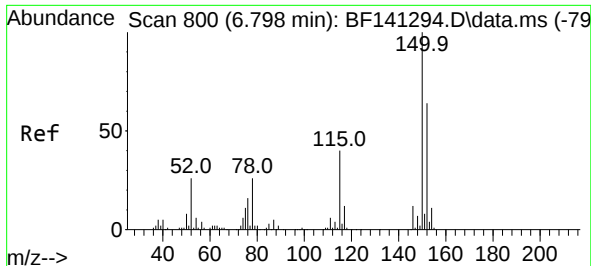
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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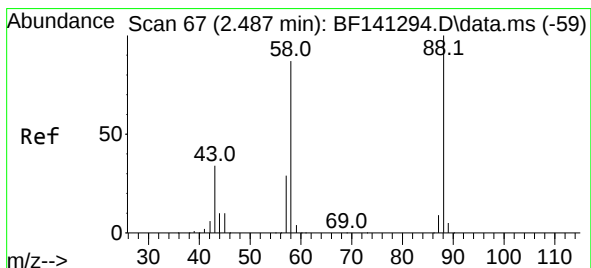
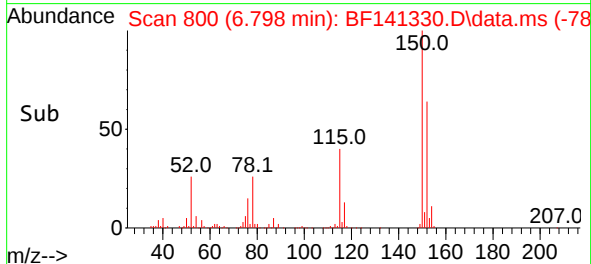
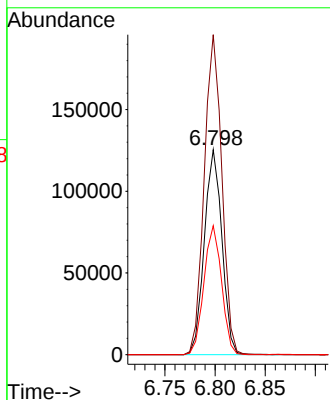
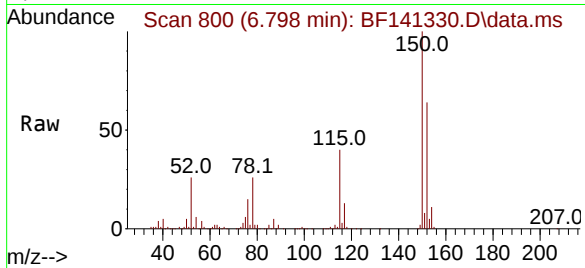




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141330.D
 Acq: 31 Jan 2025 14:20

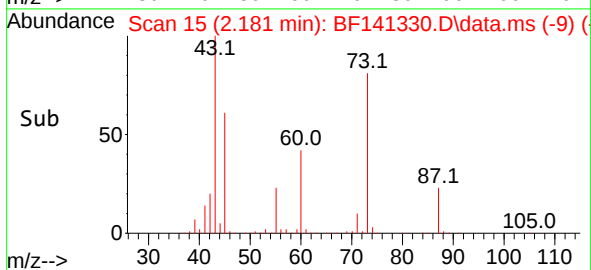
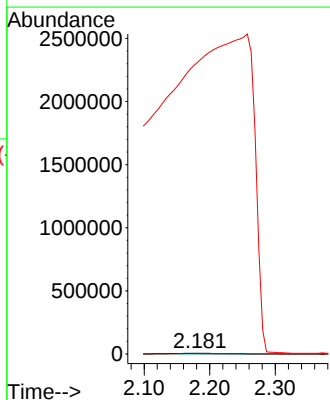
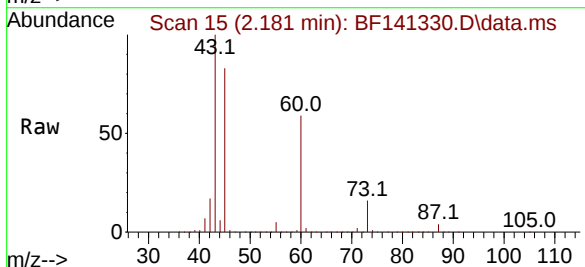
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

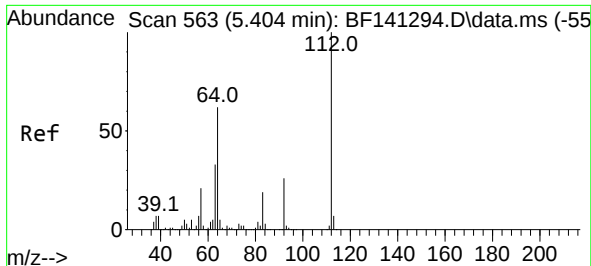
Tgt Ion:152 Resp: 153336
 Ion Ratio Lower Upper
 152 100
 150 156.2 125.9 188.9
 115 63.0 49.7 74.5



#2
 1,4-Dioxane
 Concen: 4.696 ng
 RT: 2.181 min Scan# 15
 Delta R.T. -0.312 min
 Lab File: BF141330.D
 Acq: 31 Jan 2025 14:20

Tgt Ion: 88 Resp: 20629
 Ion Ratio Lower Upper
 88 100
 58 19.4 70.2 105.4#
 43 0.0 27.6 41.4#

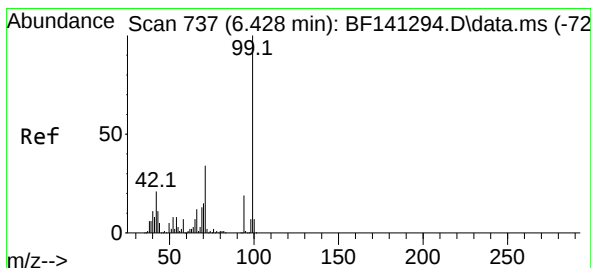
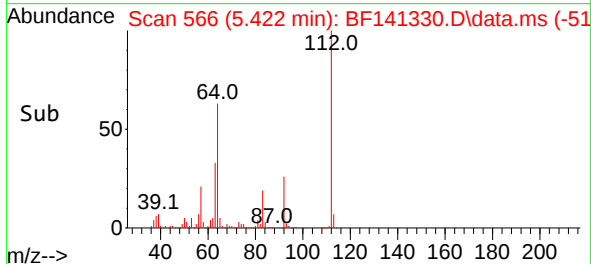
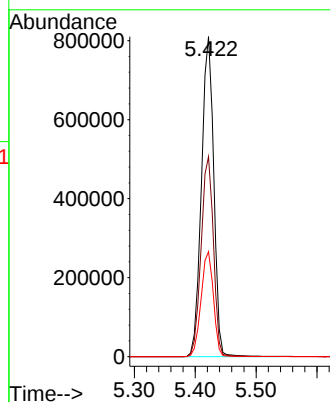
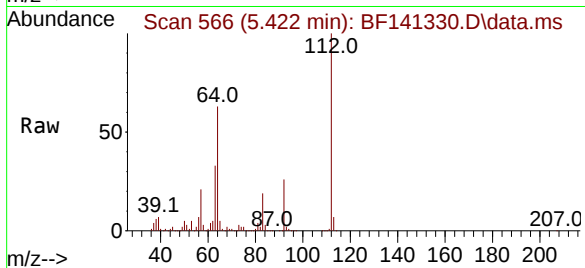




#5
2-Fluorophenol
Concen: 114.061 ng
RT: 5.422 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

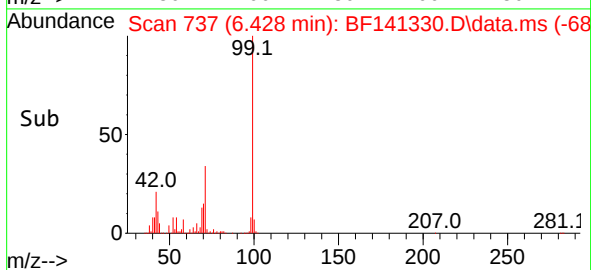
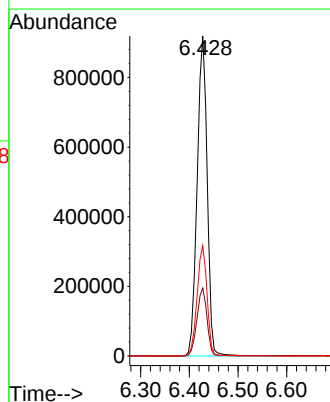
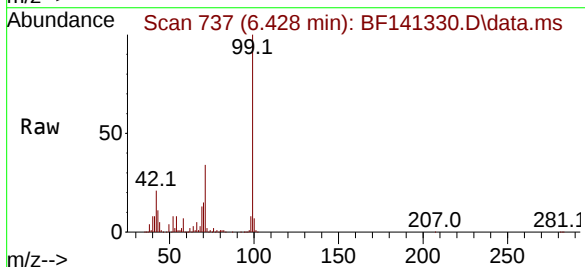
Instrument :
BNA_F
ClientSampleId :
WC-4

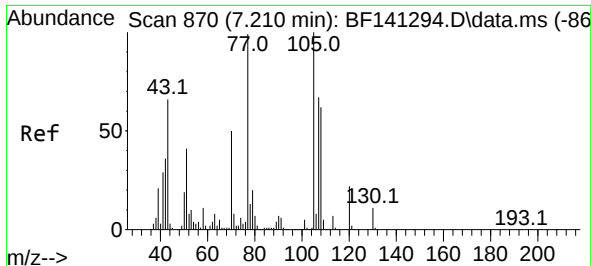
Tgt Ion:112 Resp: 1139237
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 32.8 26.1 39.1



#7
Phenol-d6
Concen: 104.288 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion: 99 Resp: 1325079
Ion Ratio Lower Upper
99 100
42 21.2 17.1 25.7
71 34.4 26.9 40.3





#19

n-Nitroso-di-n-propylamine

Concen: 18.115 ng

RT: 7.363 min Scan# 896

Delta R.T. 0.135 min

Lab File: BF141330.D

Acq: 31 Jan 2025 14:20

Instrument :

BNA_F

ClientSampleId :

WC-4

Tgt Ion: 70 Resp: 136768

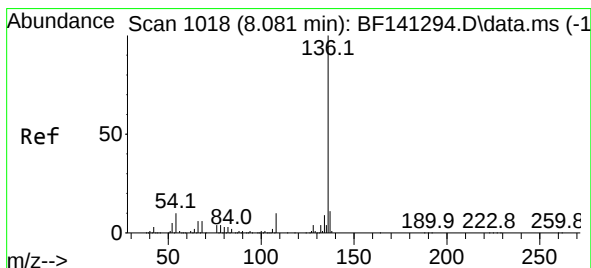
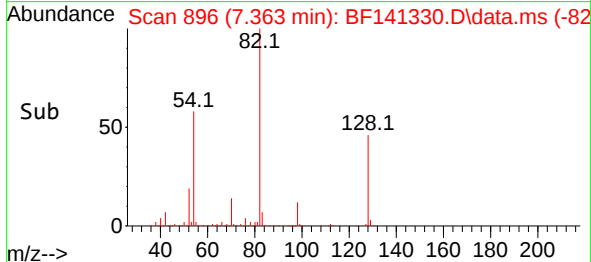
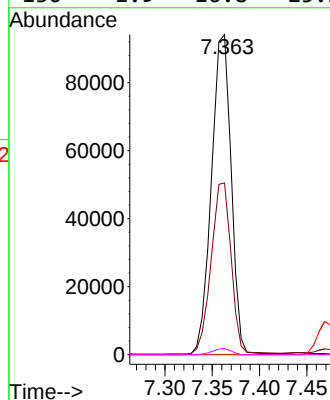
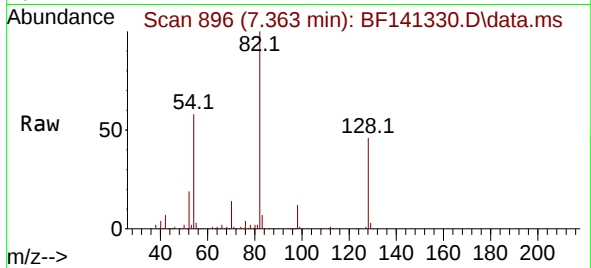
Ion Ratio Lower Upper

70 100

42 53.7 56.8 85.2#

101 0.0 7.7 11.5#

130 1.9 16.8 25.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.080 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141330.D

Acq: 31 Jan 2025 14:20

Tgt Ion:136 Resp: 616960

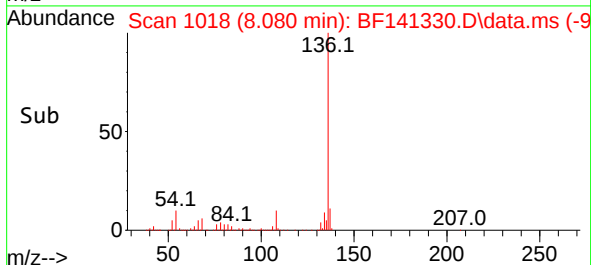
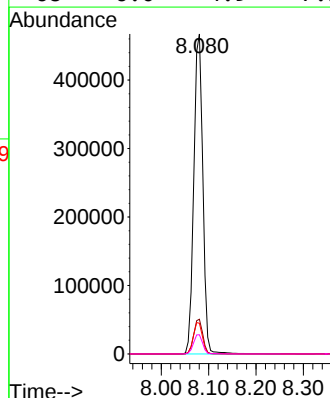
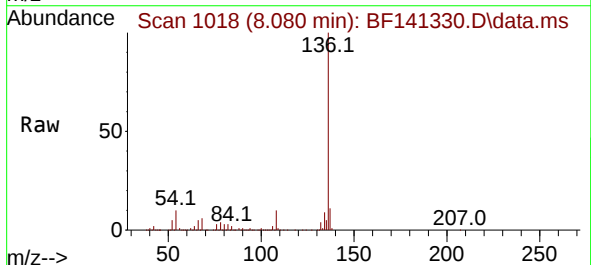
Ion Ratio Lower Upper

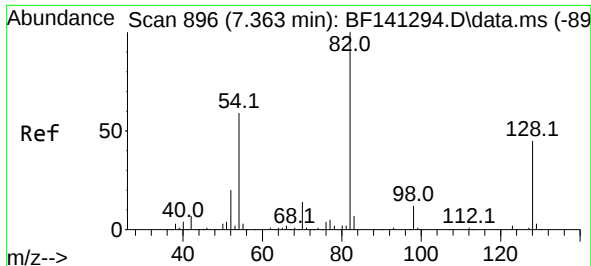
136 100

137 10.9 8.6 13.0

54 9.6 7.8 11.8

68 6.0 4.9 7.3

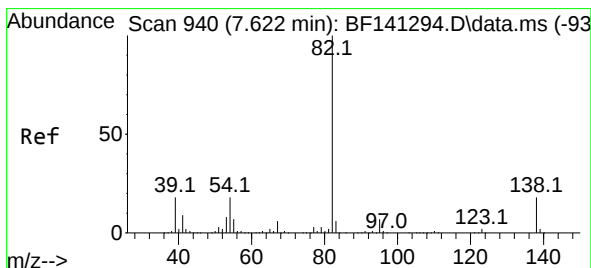
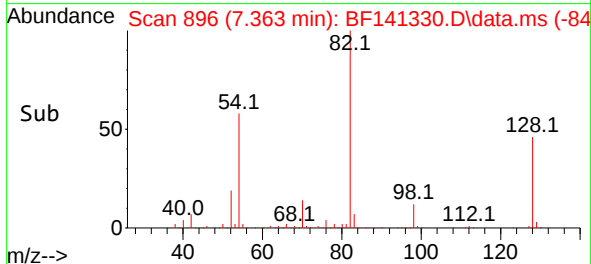
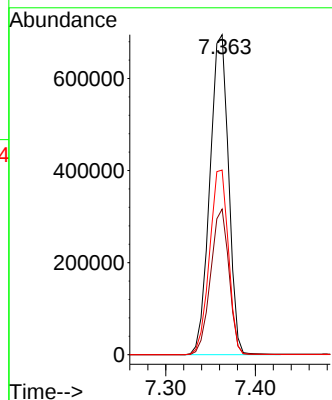
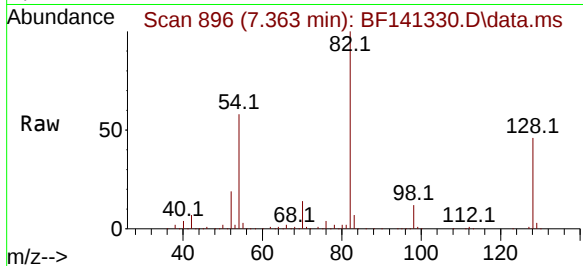




#23
Nitrobenzene-d5
Concen: 86.196 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

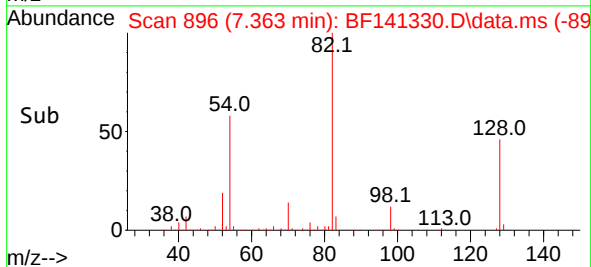
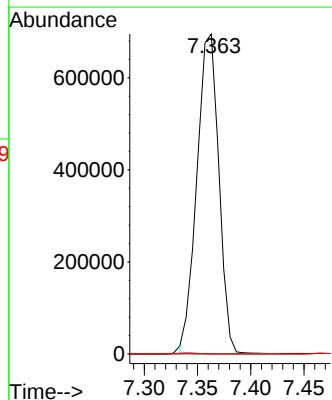
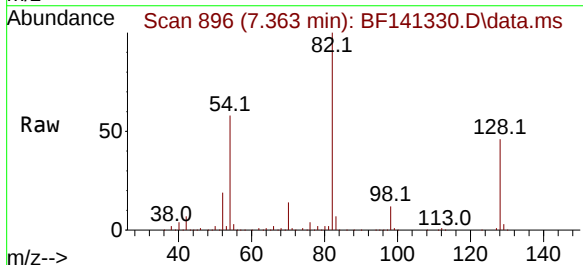
Instrument :
BNA_F
ClientSampleId :
WC-4

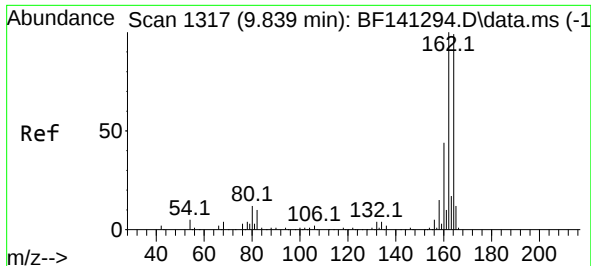
Tgt Ion: 82 Resp: 1008785
Ion Ratio Lower Upper
82 100
128 45.5 35.7 53.5
54 57.7 47.1 70.7



#25
Isophorone
Concen: 49.243 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion: 82 Resp: 996203
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141330.D

Acq: 31 Jan 2025 14:20

Instrument :

BNA_F

ClientSampleId :

WC-4

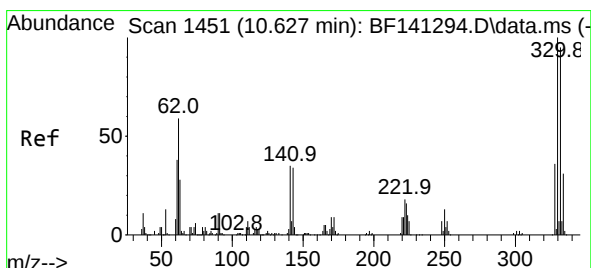
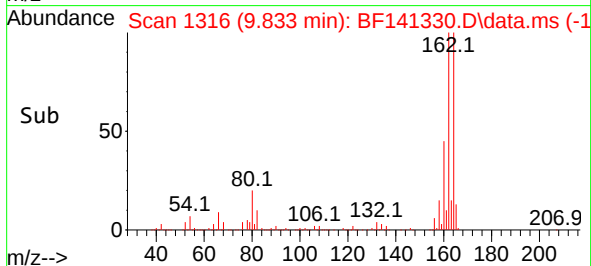
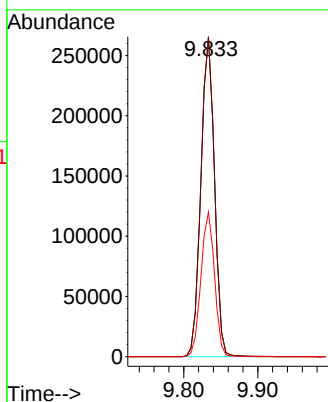
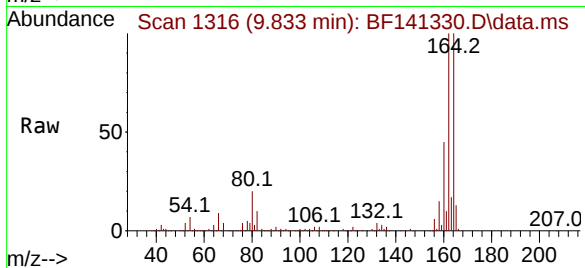
Tgt Ion:164 Resp: 337355

Ion Ratio Lower Upper

164 100

162 100.2 80.6 121.0

160 45.2 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 136.863 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141330.D

Acq: 31 Jan 2025 14:20

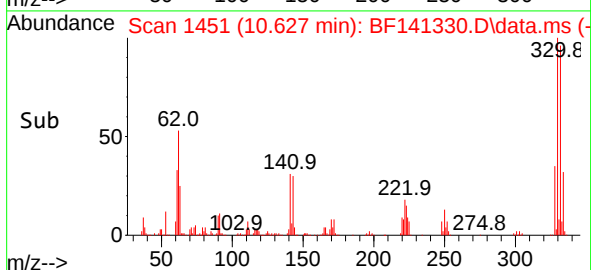
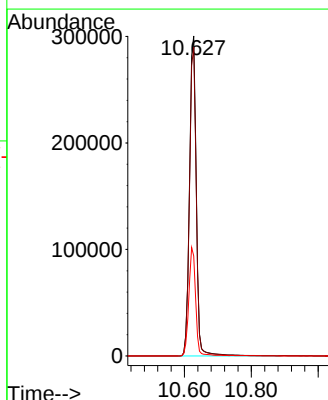
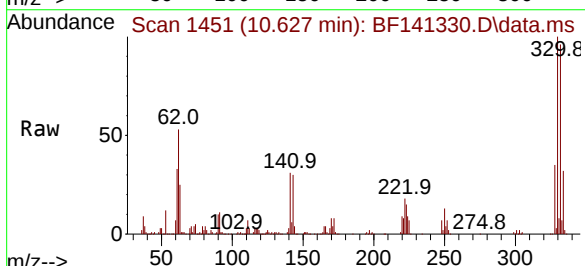
Tgt Ion:330 Resp: 423286

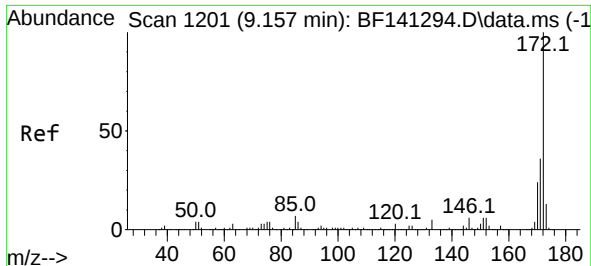
Ion Ratio Lower Upper

330 100

332 96.2 76.1 114.1

141 34.0 28.8 43.2

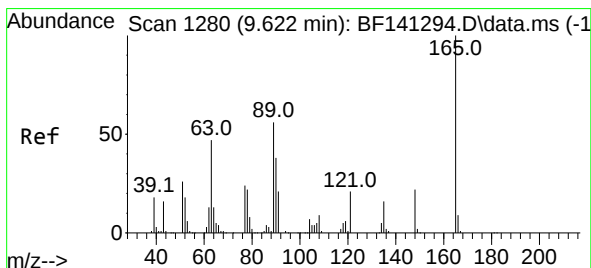
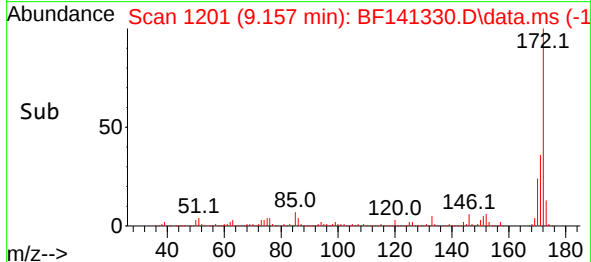
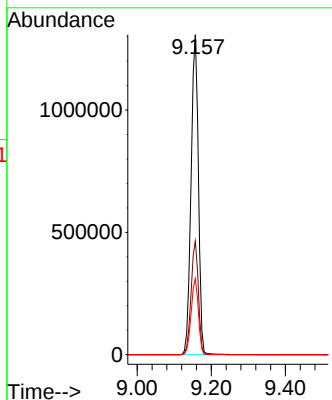
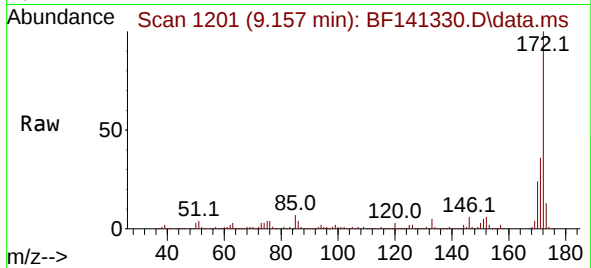




#45
2-Fluorobiphenyl
Concen: 82.220 ng
RT: 9.157 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

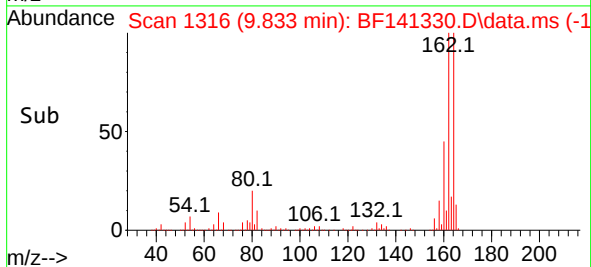
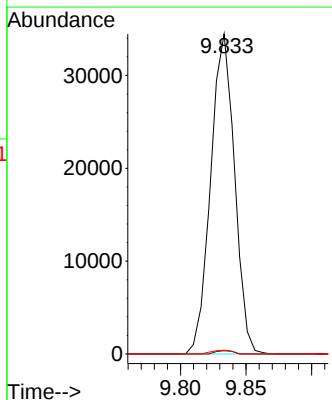
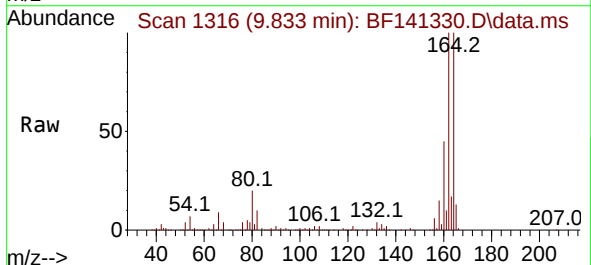
Instrument :
BNA_F
ClientSampleId :
WC-4

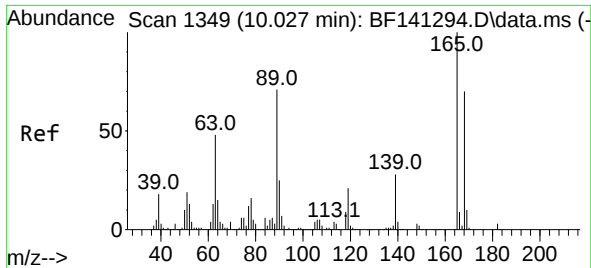
Tgt Ion:172 Resp: 1802075
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 8.254 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion:165 Resp: 43668
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.2 44.9 67.3#

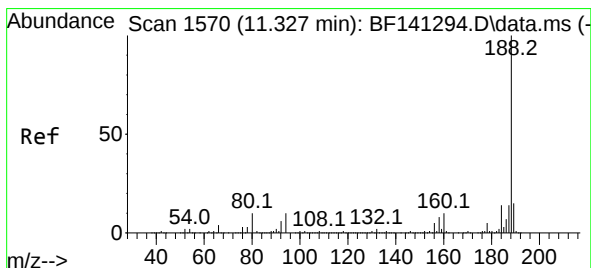
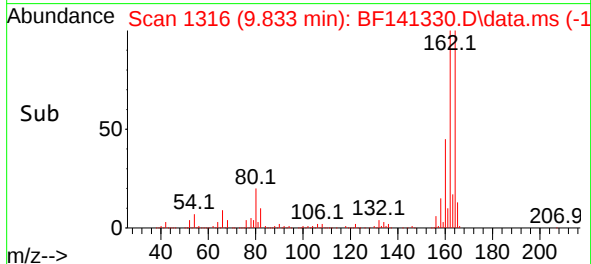
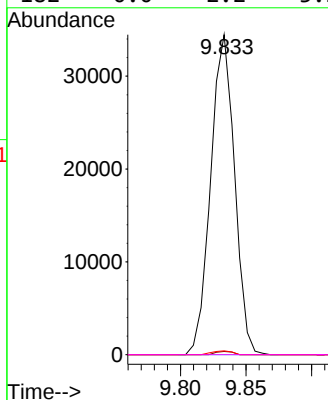
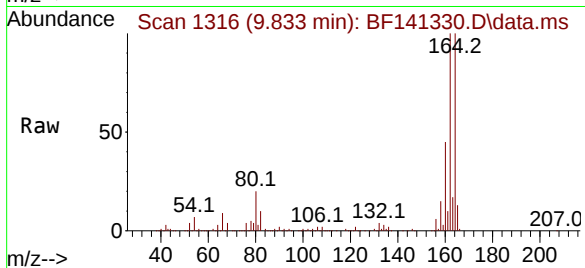




#57
2,4-Dinitrotoluene
Concen: 6.375 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

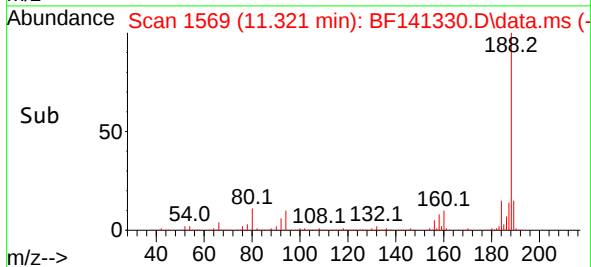
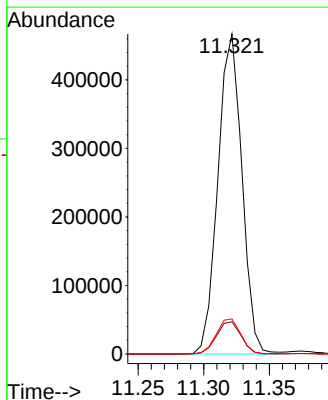
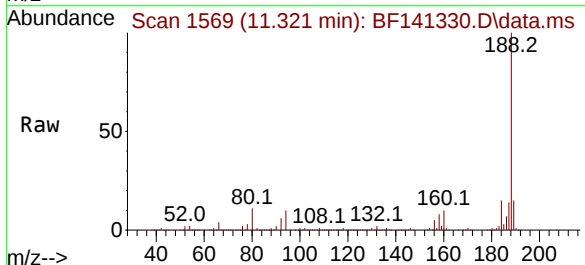
Instrument :
BNA_F
ClientSampleId :
WC-4

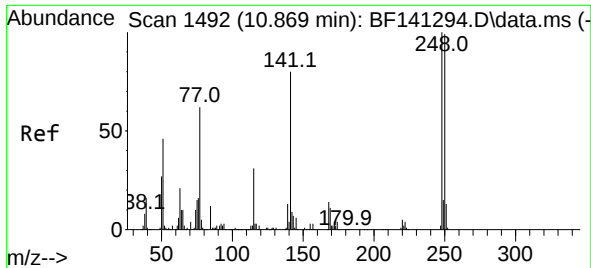
Tgt Ion:165	Resp:	43668
Ion Ratio	Lower	Upper
165	100	
63	1.0	39.2 58.8#
89	1.2	56.9 85.3#
182	0.0	2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion:188	Resp:	594149
Ion Ratio	Lower	Upper
188	100	
94	10.0	7.8 11.6
80	10.9	8.2 12.4

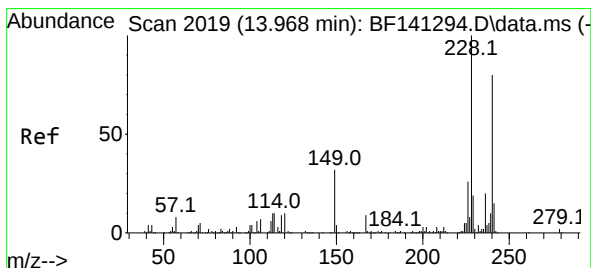
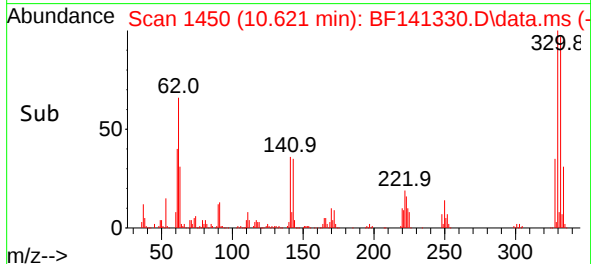
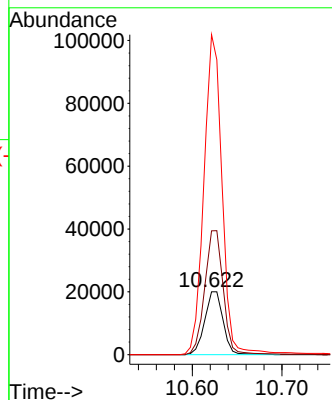
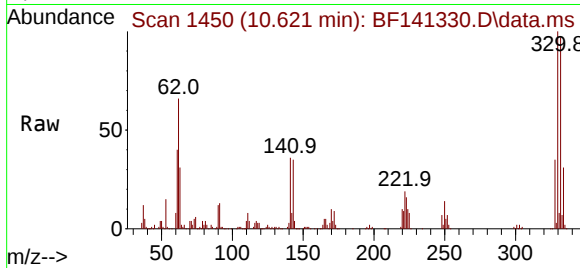




#67
4-Bromophenyl-phenylether
Concen: 4.295 ng
RT: 10.621 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

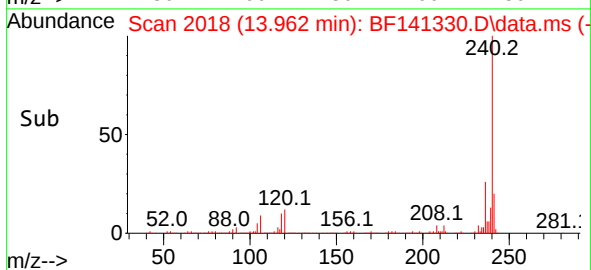
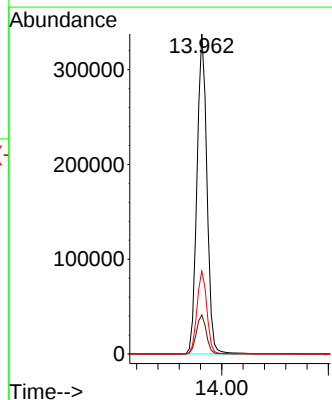
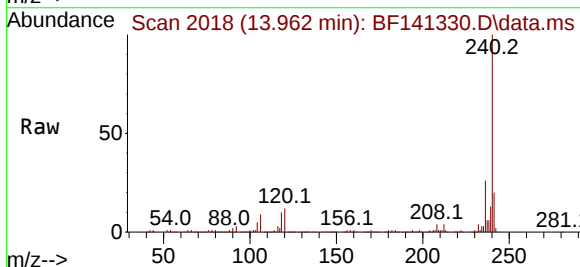
Instrument :
BNA_F
ClientSampleId :
WC-4

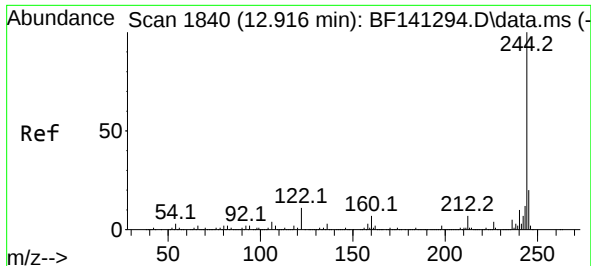
Tgt Ion:248 Resp: 28570
Ion Ratio Lower Upper
248 100
250 196.6 79.0 118.4#
141 508.3 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion:240 Resp: 440726
Ion Ratio Lower Upper
240 100
120 12.2 10.0 15.0
236 25.9 19.7 29.5

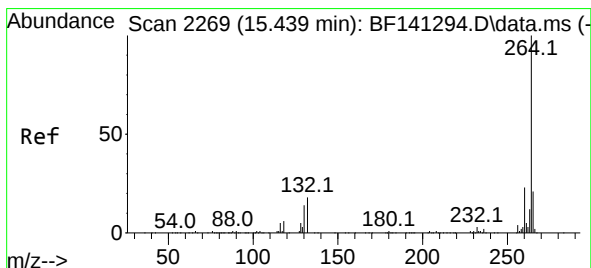
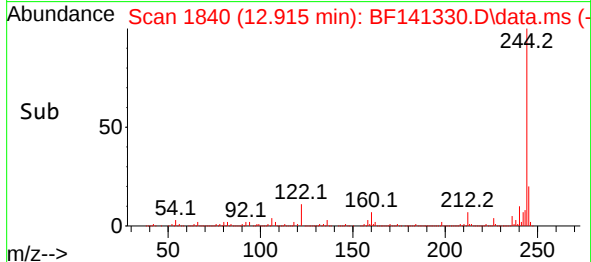
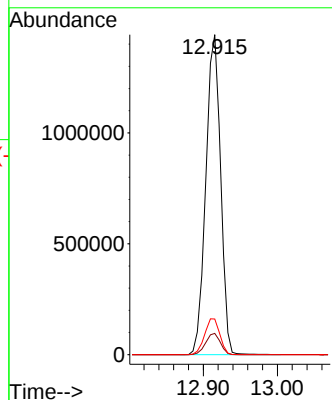
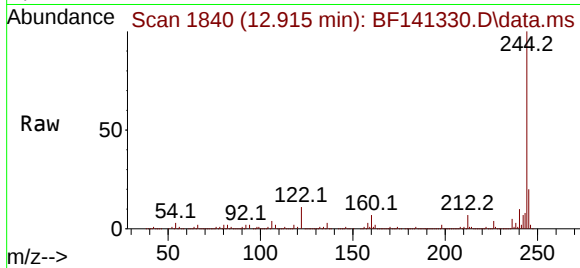




#79
Terphenyl-d14
Concen: 70.120 ng
RT: 12.915 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:244 Resp: 2003893
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.1 8.8 13.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141330.D
Acq: 31 Jan 2025 14:20

Tgt Ion:264 Resp: 316667
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 21.7 16.7 25.1

