

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141406.D
 Acq On : 04 Feb 2025 14:13
 Operator : RC/JU
 Sample : PB166356TB
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166356TB

Quant Time: Feb 04 14:35:20 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)

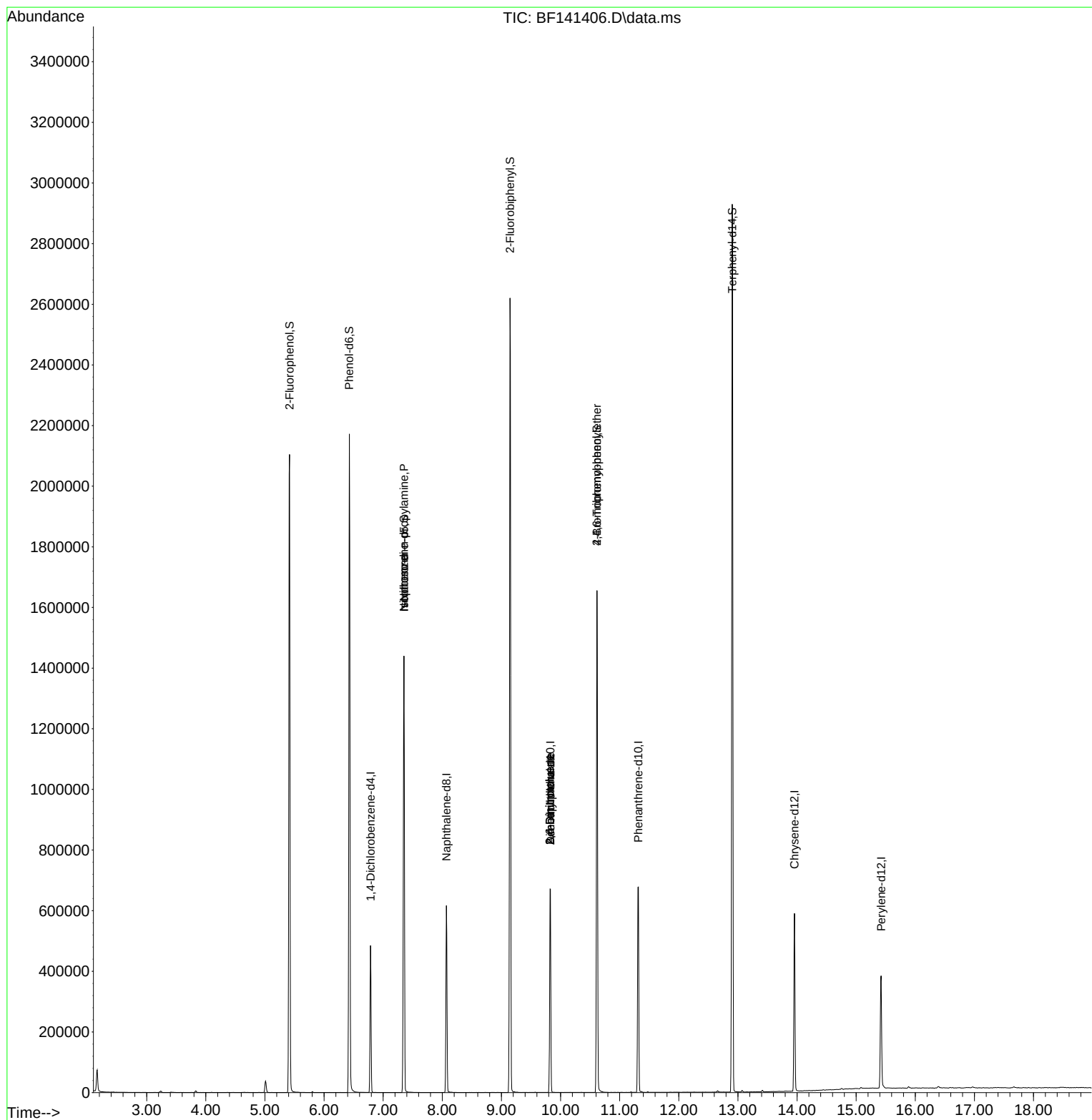
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	94457	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	389015	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	210477	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	363737	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	282057	20.000	ng	-0.02
86) Perylene-d12	15.421	264	223254	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775752	126.082	ng	0.00
7) Phenol-d6	6.428	99	960023	122.654	ng	-0.01
23) Nitrobenzene-d5	7.351	82	638025	86.461	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	261673	135.611	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1179184	86.232	ng	-0.02
79) Terphenyl-d14	12.904	244	1465153	80.109	ng	-0.01
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.351	70	85870	18.463	ng	# 76
25) Isophorone	7.351	82	633377	49.653	ng	# 64
50) Dimethylphthalate	9.828	163	33401	2.350	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	25692	7.784	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	25692	6.012	ng	# 23
67) 4-Bromophenyl-phenylether	10.616	248	18127	4.451	ng	# 1

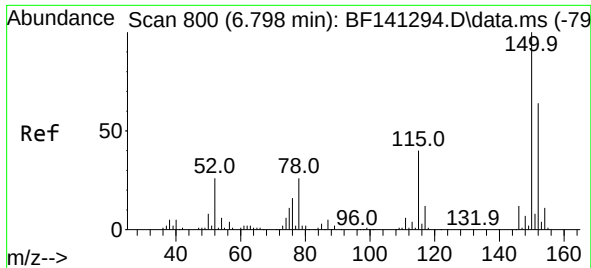
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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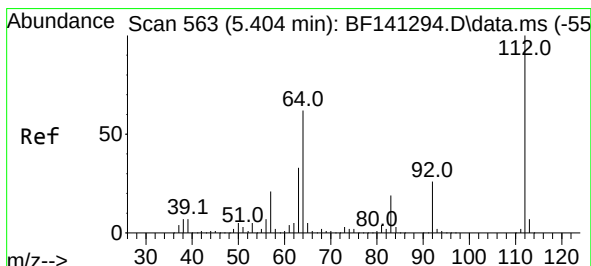
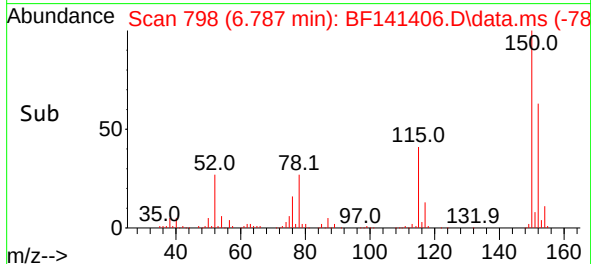
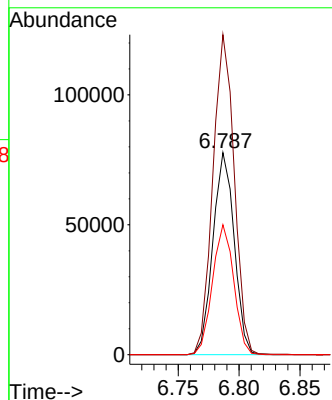
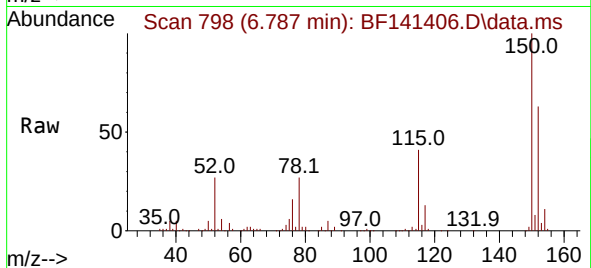




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141406.D
 Acq: 04 Feb 2025 14:13

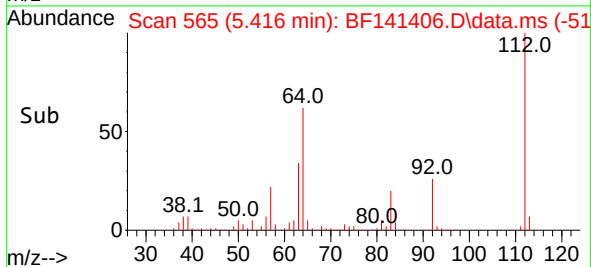
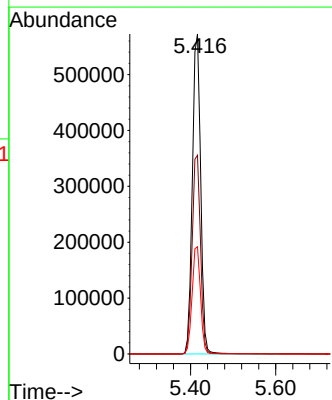
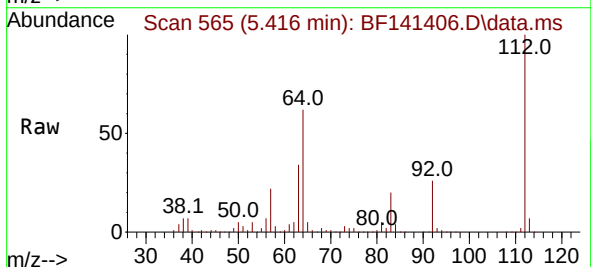
Instrument :
 BNA_F
 ClientSampleId :
 PB166356TB

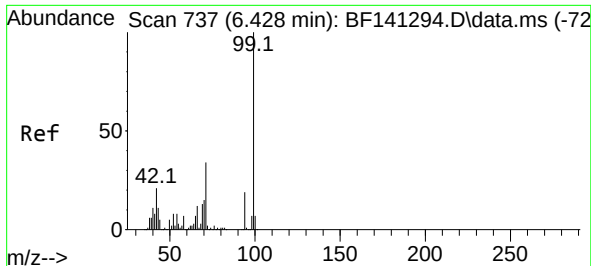
Tgt Ion:152 Resp: 94457
 Ion Ratio Lower Upper
 152 100
 150 158.3 125.9 188.9
 115 64.2 49.7 74.5



#5
 2-Fluorophenol
 Concen: 126.082 ng
 RT: 5.416 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF141406.D
 Acq: 04 Feb 2025 14:13

Tgt Ion:112 Resp: 775752
 Ion Ratio Lower Upper
 112 100
 64 62.1 49.8 74.8
 63 33.5 26.1 39.1





#7

Phenol-d6

Concen: 122.654 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

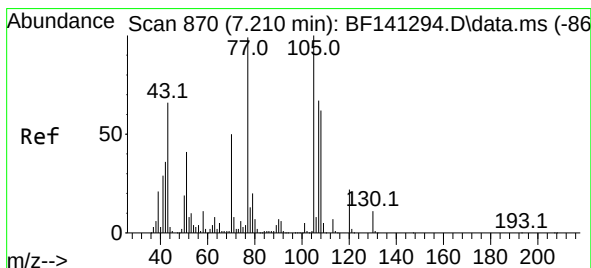
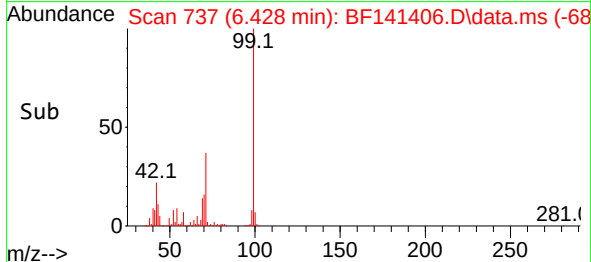
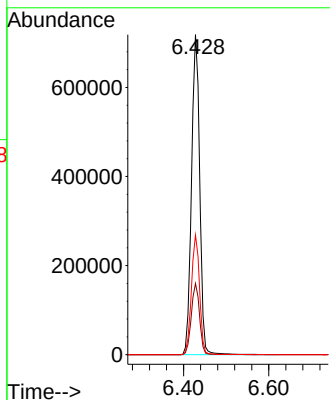
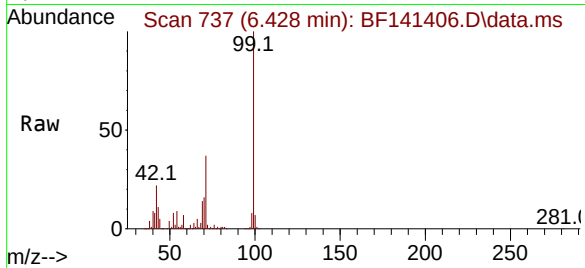
Tgt Ion: 99 Resp: 960023

Ion Ratio Lower Upper

99 100

42 22.3 17.1 25.7

71 37.4 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 18.463 ng

RT: 7.351 min Scan# 894

Delta R.T. 0.123 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Tgt Ion: 70 Resp: 85870

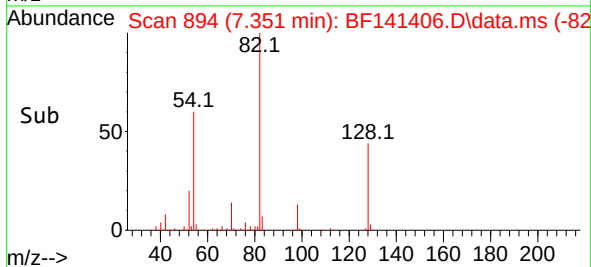
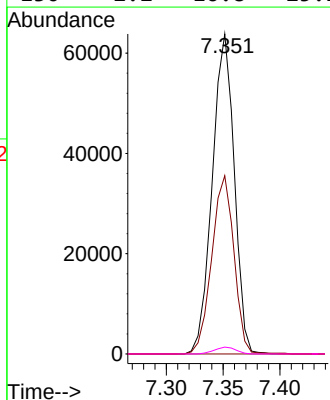
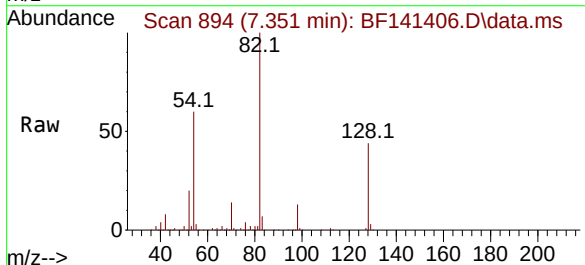
Ion Ratio Lower Upper

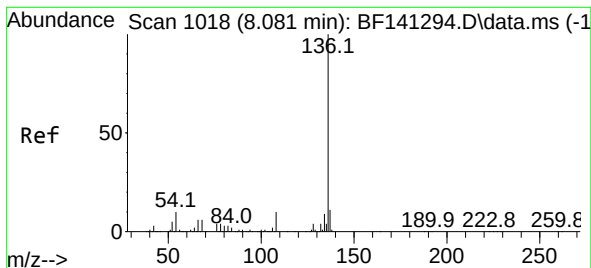
70 100

42 55.7 56.8 85.2#

101 0.0 7.7 11.5#

130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

Tgt Ion:136 Resp: 389015

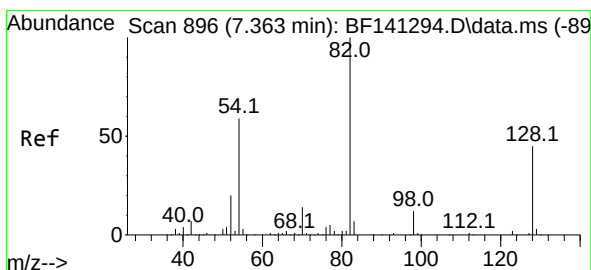
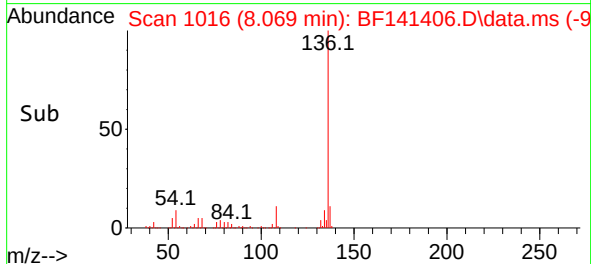
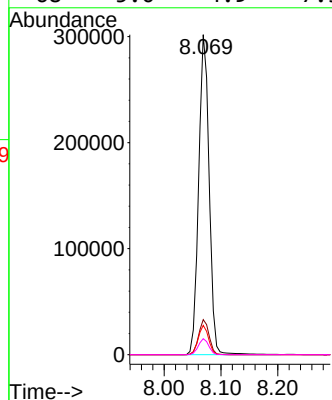
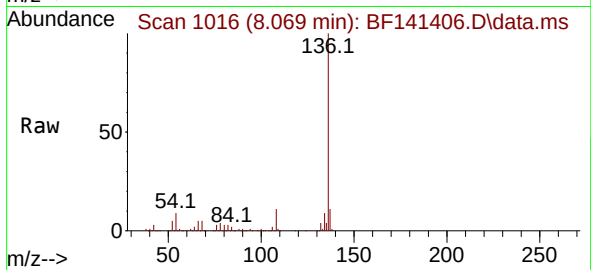
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.2 7.8 11.8

68 5.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 86.461 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

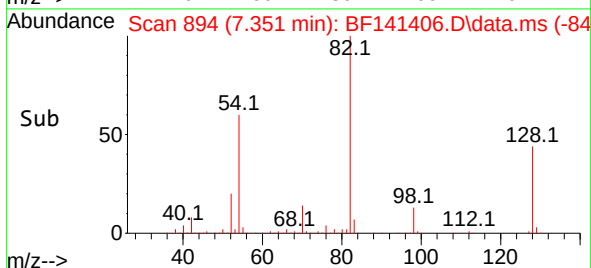
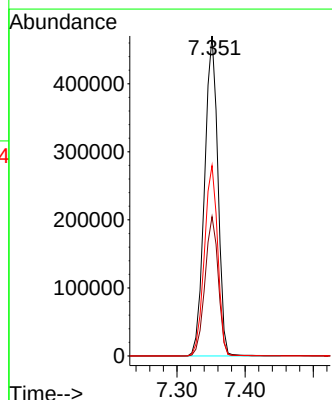
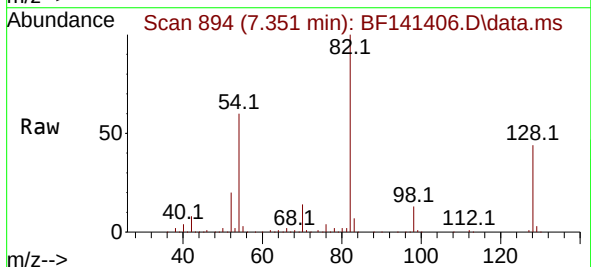
Tgt Ion: 82 Resp: 638025

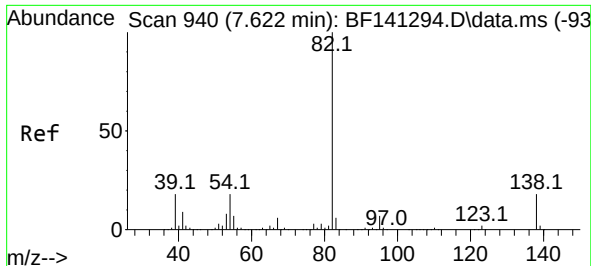
Ion Ratio Lower Upper

82 100

128 43.6 35.7 53.5

54 59.5 47.1 70.7

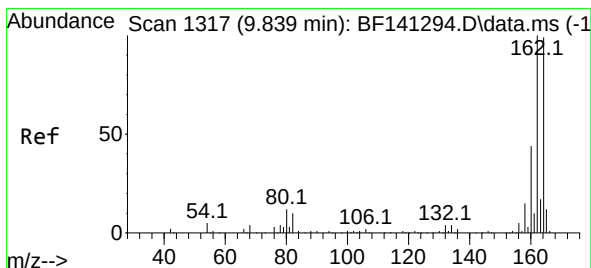
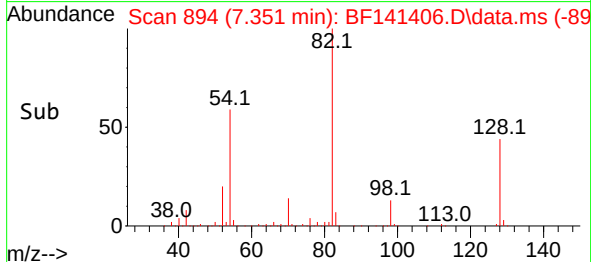
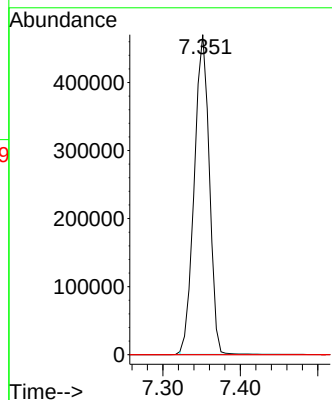
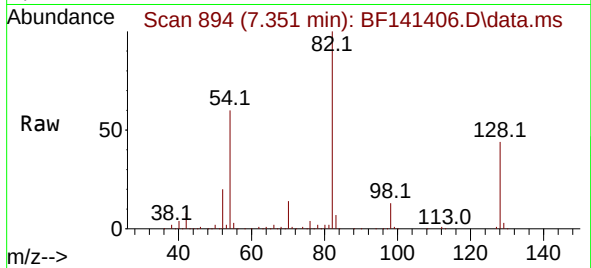




#25
Isophorone
Concen: 49.653 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

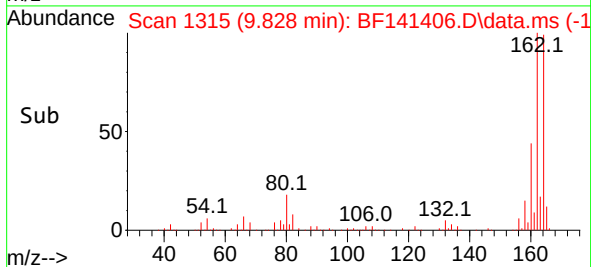
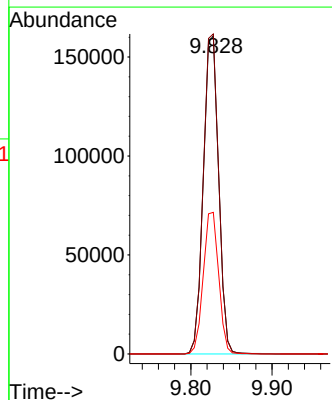
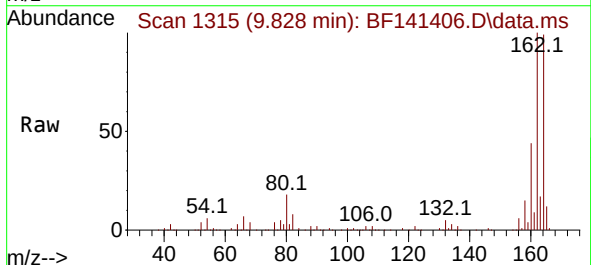
Instrument :
BNA_F
ClientSampleId :
PB166356TB

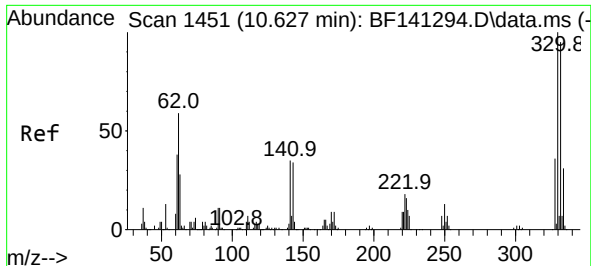
Tgt Ion: 82 Resp: 633377
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion:164 Resp: 210477
Ion Ratio Lower Upper
164 100
162 100.7 80.6 121.0
160 44.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 135.611 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

Instrument :

BNA_F

ClientSampleId :

PB166356TB

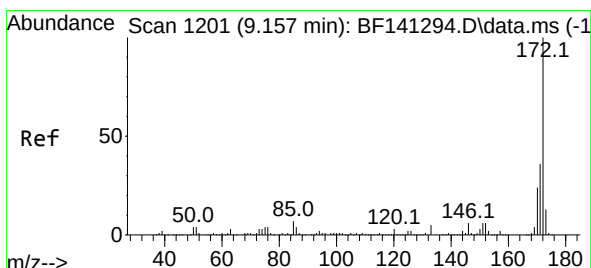
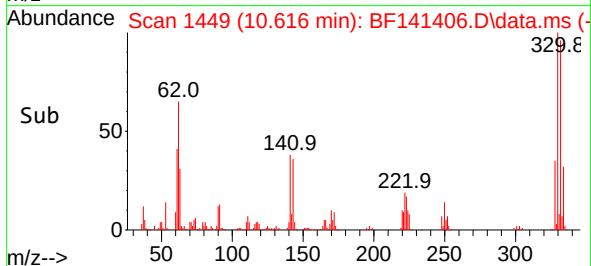
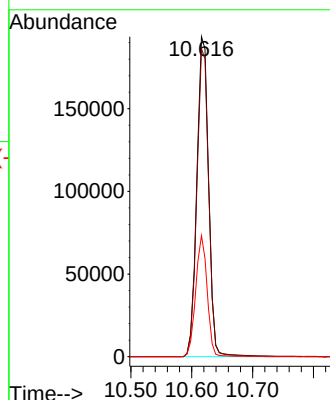
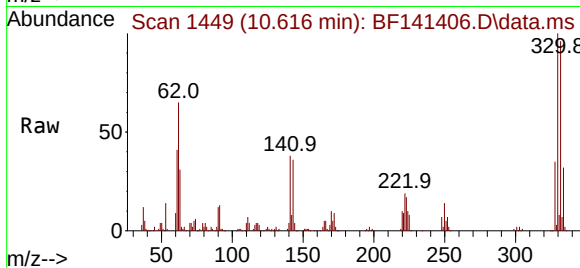
Tgt Ion:330 Resp: 261673

Ion Ratio Lower Upper

330 100

332 96.4 76.1 114.1

141 36.7 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 86.232 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141406.D

Acq: 04 Feb 2025 14:13

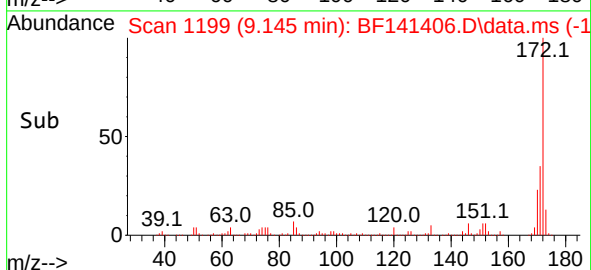
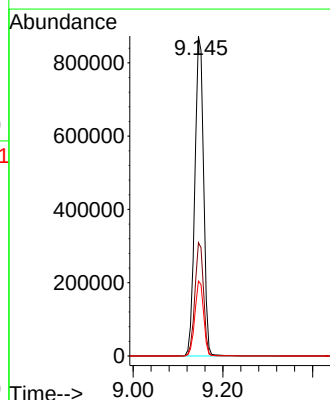
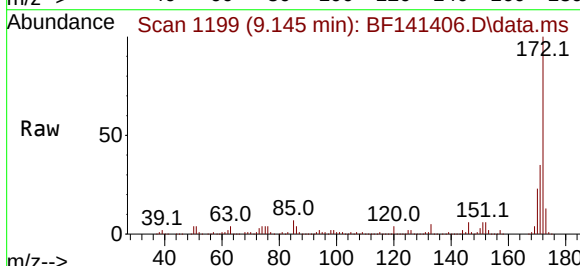
Tgt Ion:172 Resp: 1179184

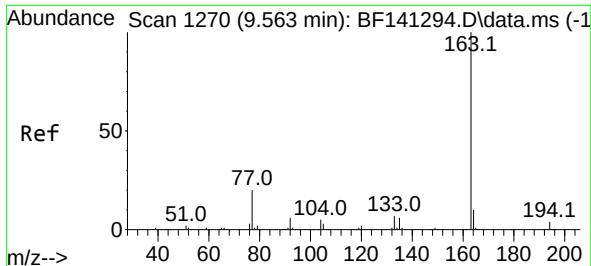
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.4 19.0 28.6

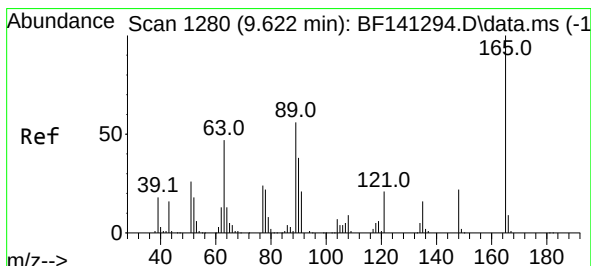
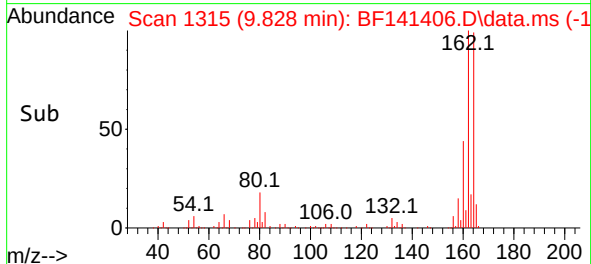
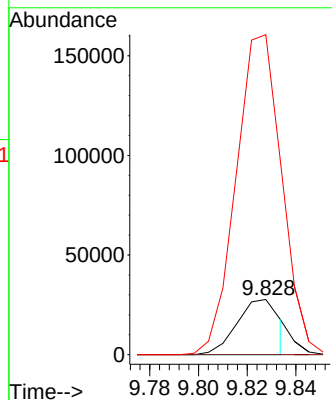
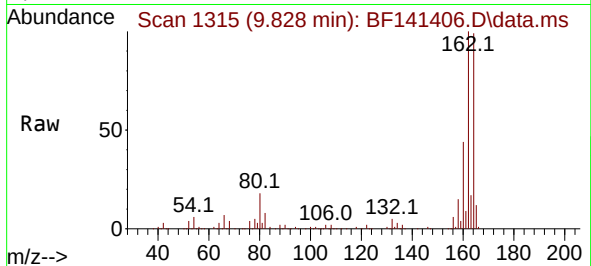




#50
Dimethylphthalate
Concen: 2.350 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

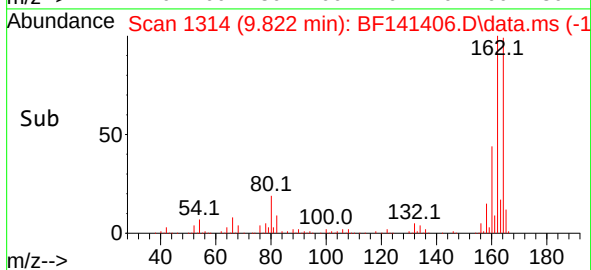
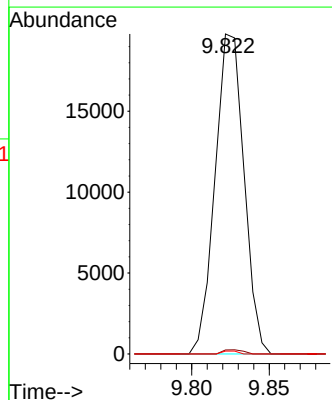
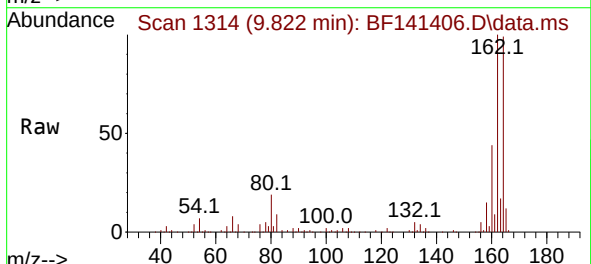
Instrument :
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PB166356TB

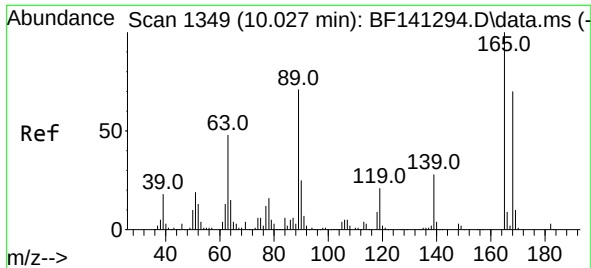
Tgt Ion:163 Resp: 33401
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 580.3 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 7.784 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

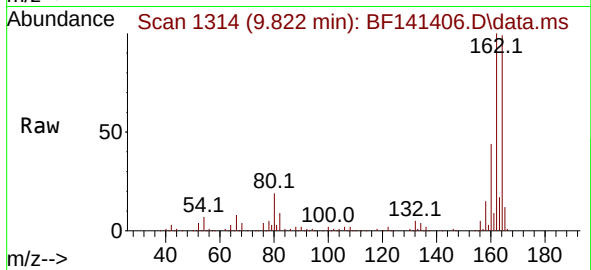
Tgt Ion:165 Resp: 25692
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 0.9 44.9 67.3#



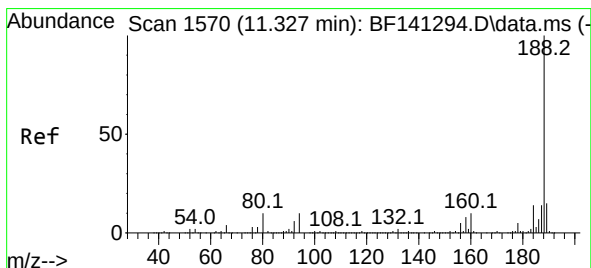
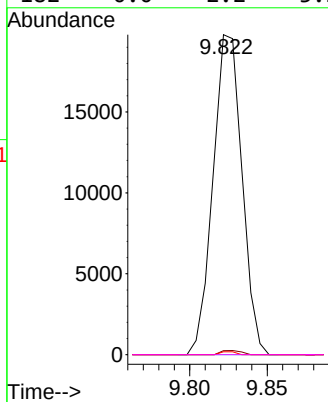
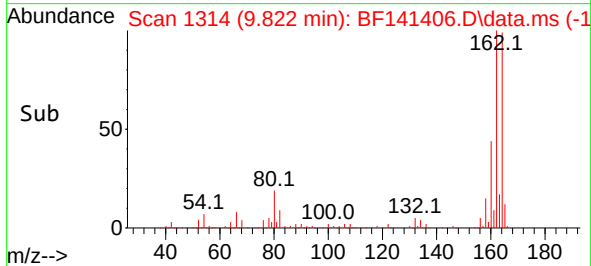


#57
2,4-Dinitrotoluene
Concen: 6.012 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

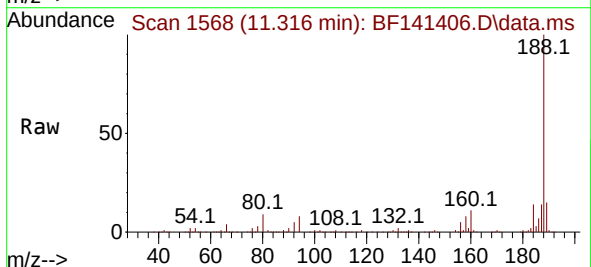
Instrument :
BNA_F
ClientSampleId :
PB166356TB



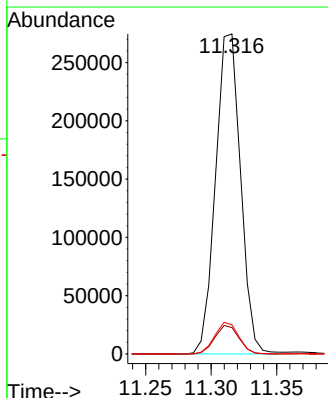
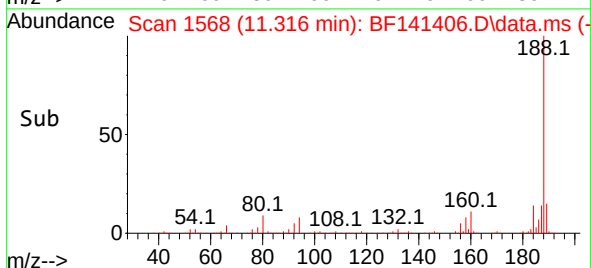
Tgt Ion:165	Resp:	25692
Ion	Ratio	Lower Upper
165	100	
63	1.2	39.2 58.8#
89	0.9	56.9 85.3#
182	0.0	2.2 3.2#

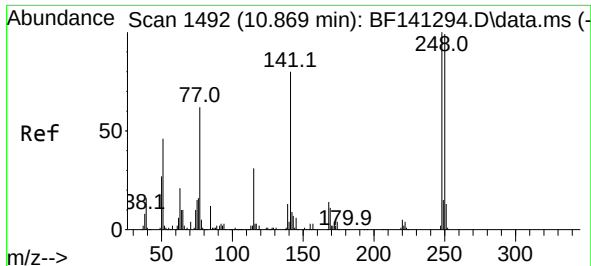


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13



Tgt Ion:188	Resp:	363737
Ion	Ratio	Lower Upper
188	100	
94	8.3	7.8 11.6
80	9.1	8.2 12.4

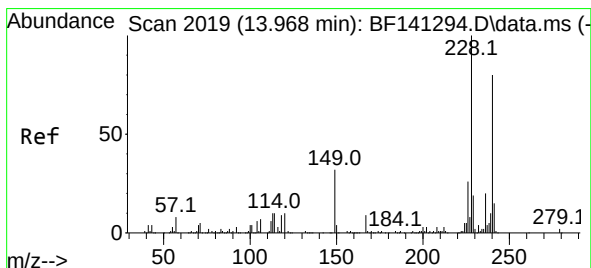
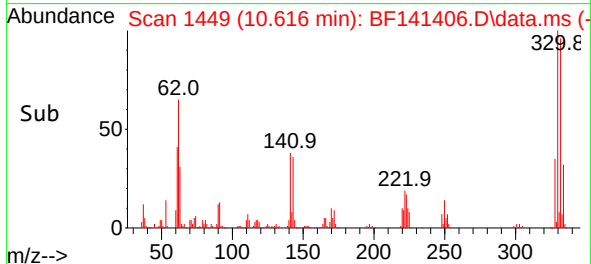
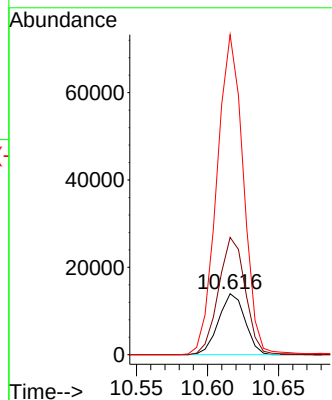
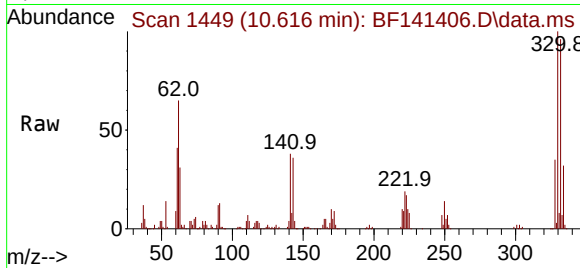




#67
4-Bromophenyl-phenylether
Concen: 4.451 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

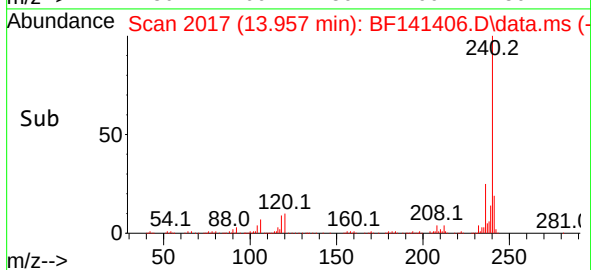
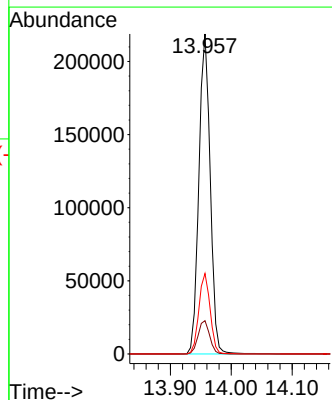
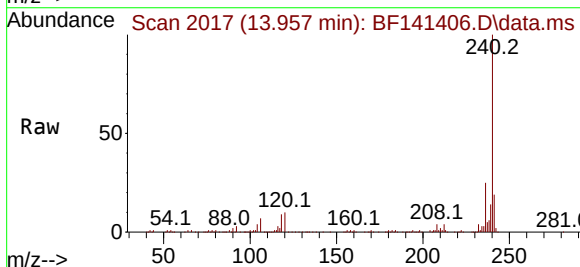
Instrument :
BNA_F
ClientSampleId :
PB166356TB

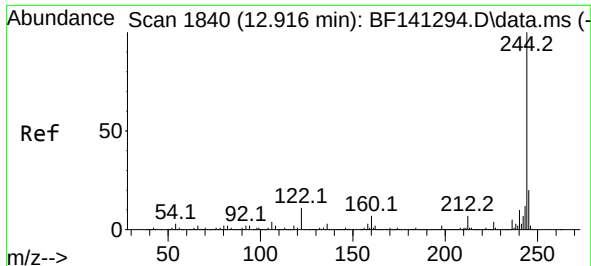
Tgt Ion:248 Resp: 18127
Ion Ratio Lower Upper
248 100
250 192.5 79.0 118.4#
141 525.0 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141406.D
Acq: 04 Feb 2025 14:13

Tgt Ion:240 Resp: 282057
Ion Ratio Lower Upper
240 100
120 10.4 10.0 15.0
236 25.2 19.7 29.5

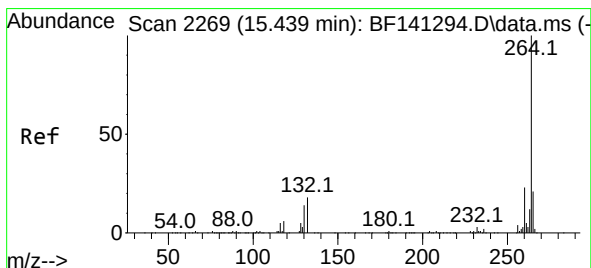
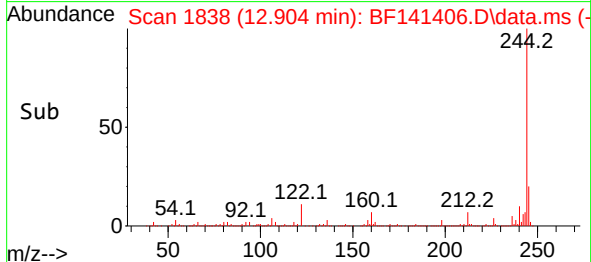
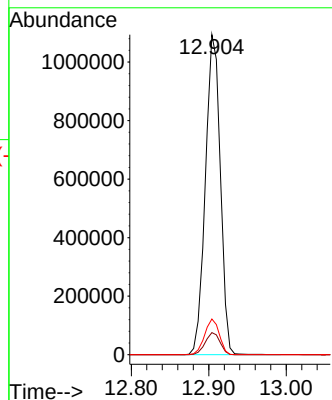
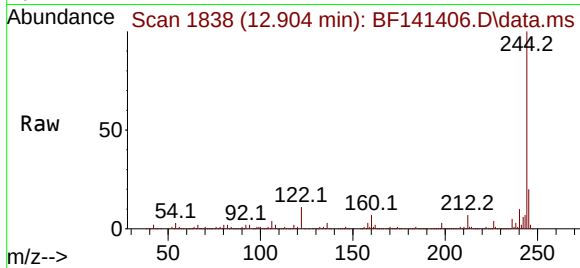




#79
 Terphenyl-d14
 Concen: 80.109 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF141406.D
 Acq: 04 Feb 2025 14:13

Instrument :
 BNA_F
 ClientSampleId :
 PB166356TB

Tgt Ion:244 Resp: 1465153
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.2 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: BF141406.D
 Acq: 04 Feb 2025 14:13

Tgt Ion:264 Resp: 223254
 Ion Ratio Lower Upper
 264 100
 260 22.4 18.6 27.8
 265 21.0 16.7 25.1

