

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141606.D
 Acq On : 13 Feb 2025 11:32
 Operator : RC/JU
 Sample : Q1343-16RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13RE

Quant Time: Feb 13 12:04:32 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	103142	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	409132	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	113397	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	294371	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	84573	20.000	ng	#-0.01
86) Perylene-d12	15.416	264	7891	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	824707	125.354	ng	0.02
7) Phenol-d6	6.434	99	598026	71.919	ng	0.00
23) Nitrobenzene-d5	7.351	82	777197	99.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	338439	297.105	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1446179	196.482	ng	0.00
79) Terphenyl-d14	12.898	244	1143831	228.322	ng	0.00

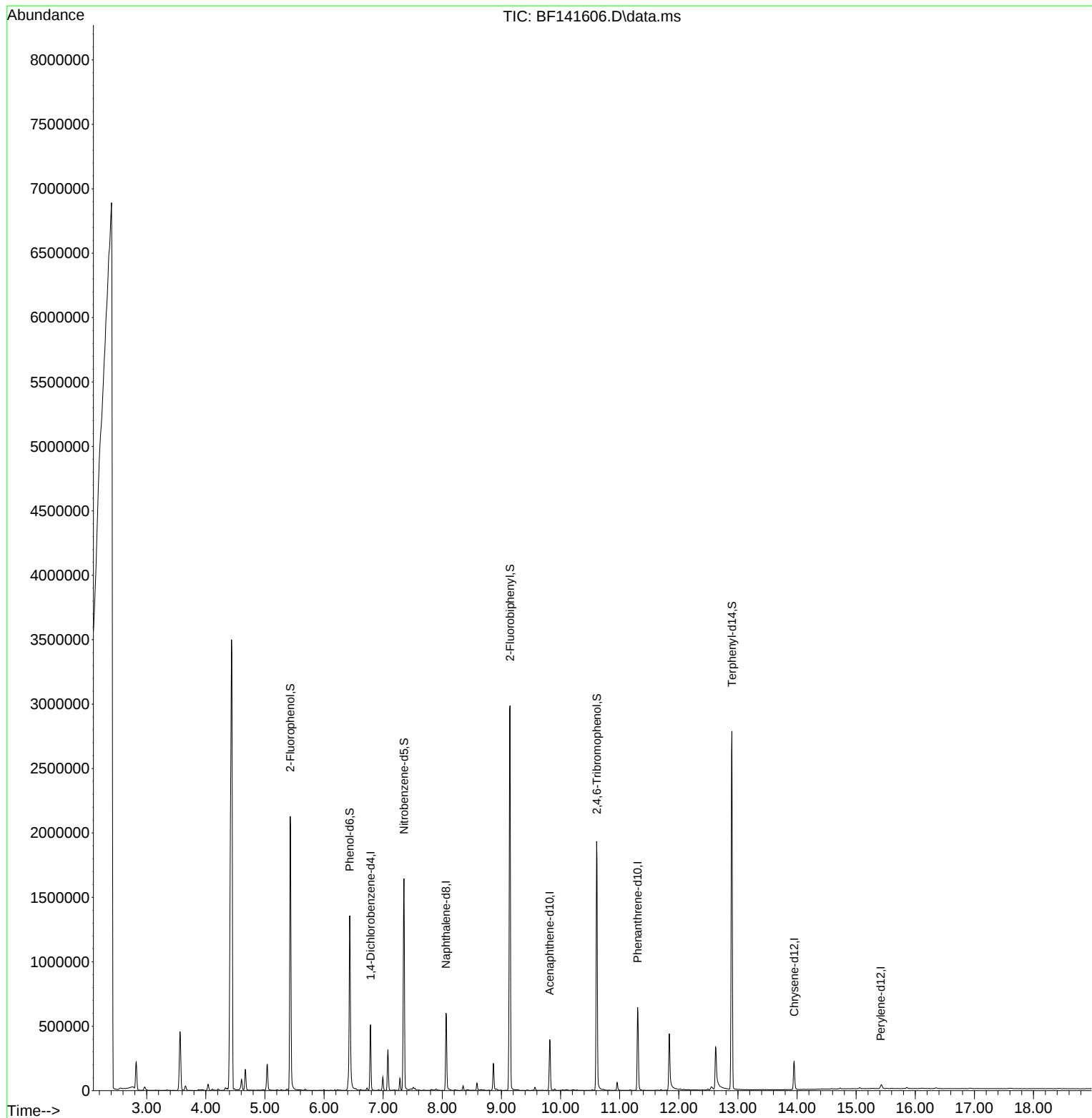
Target Compounds	Qvalue

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

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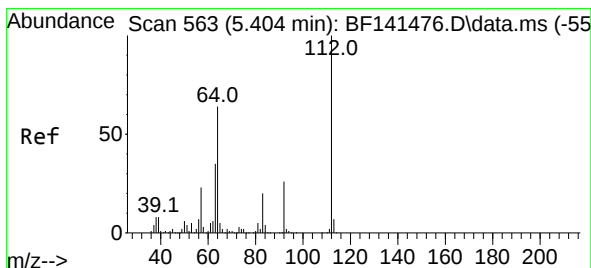
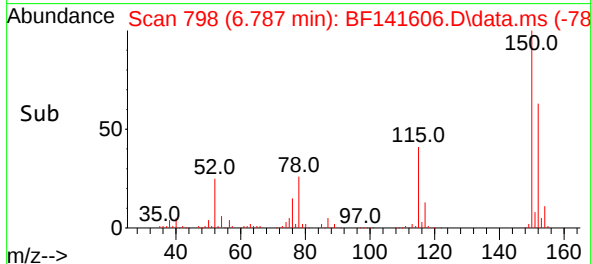
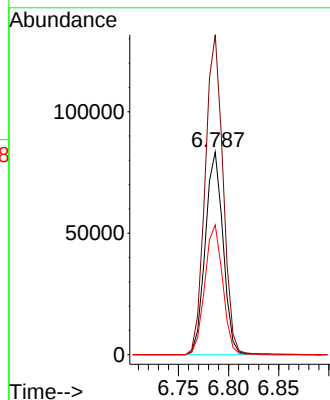
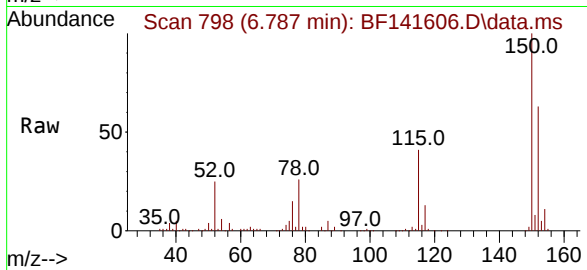




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141606.D
Acq: 13 Feb 2025 11:32

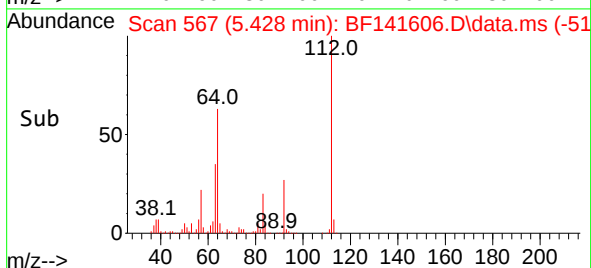
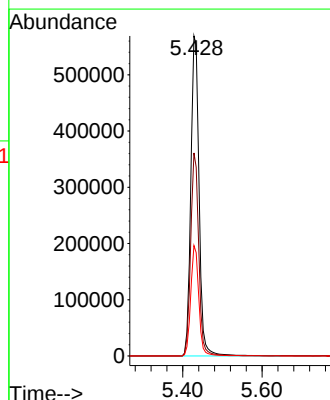
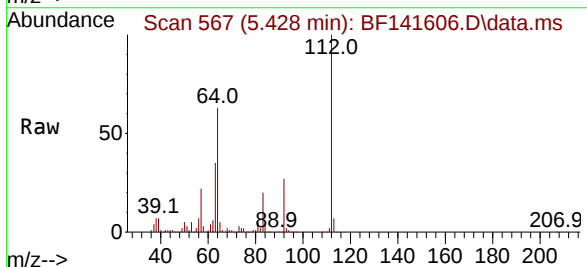
Instrument :
BNA_F
ClientSampleId :
WC-13RE

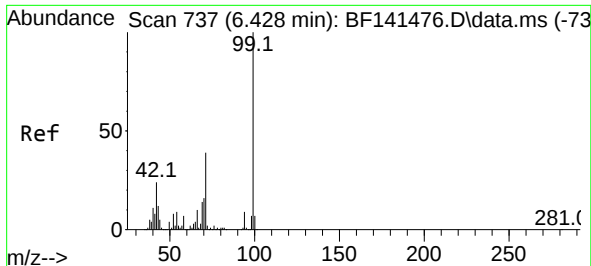
Tgt Ion:152 Resp: 103142
Ion Ratio Lower Upper
152 100
150 157.8 125.0 187.4
115 64.0 53.6 80.4



#5
2-Fluorophenol
Concen: 125.354 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF141606.D
Acq: 13 Feb 2025 11:32

Tgt Ion:112 Resp: 824707
Ion Ratio Lower Upper
112 100
64 63.5 51.1 76.7
63 34.5 28.4 42.6





#7

Phenol-d6

Concen: 71.919 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

Instrument :

BNA_F

ClientSampleId :

WC-13RE

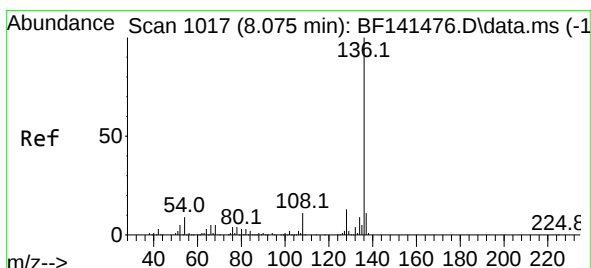
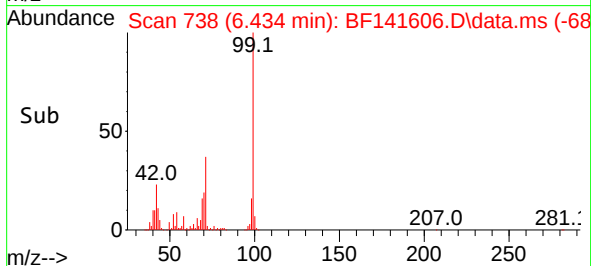
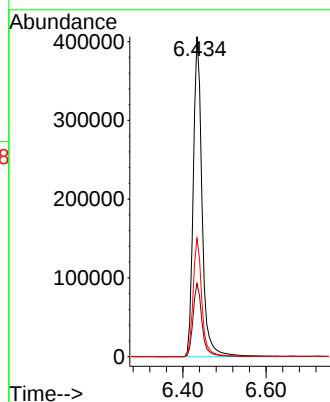
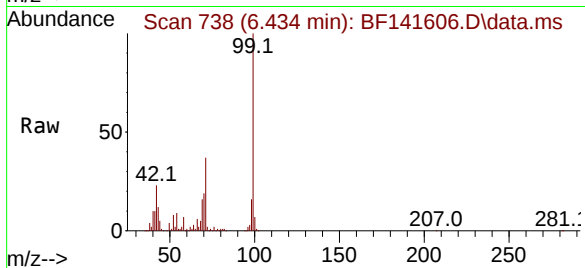
Tgt Ion: 99 Resp: 598026

Ion Ratio Lower Upper

99 100

42 22.9 19.1 28.7

71 36.9 31.1 46.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

Tgt Ion: 136 Resp: 409132

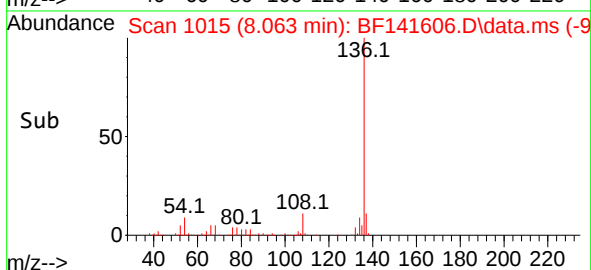
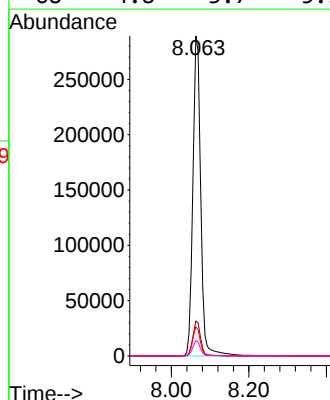
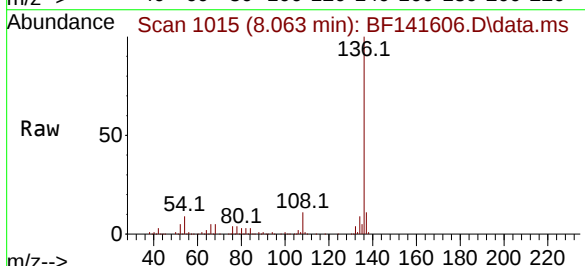
Ion Ratio Lower Upper

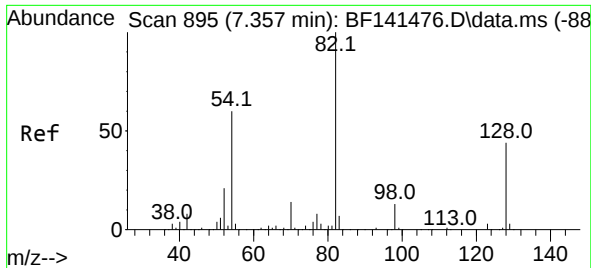
136 100

137 10.9 8.6 13.0

54 9.1 7.2 10.8

68 4.8 3.7 5.5

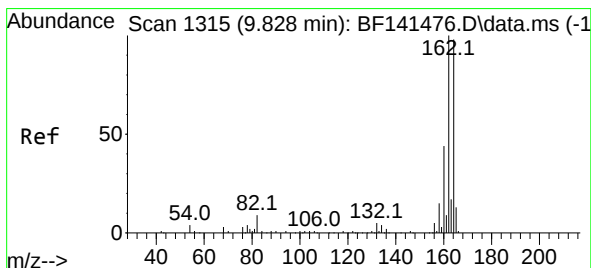
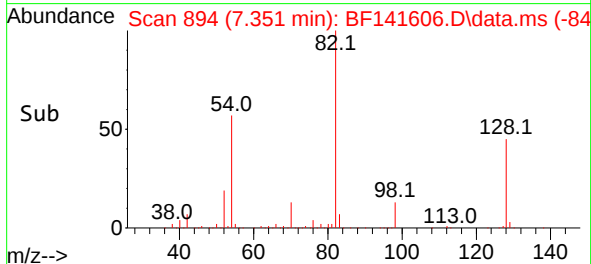
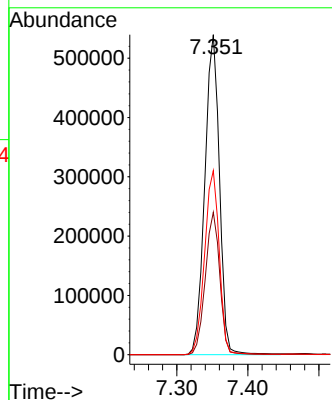
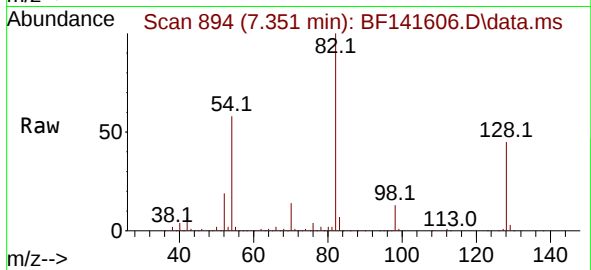




#23
Nitrobenzene-d5
Concen: 99.081 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141606.D
Acq: 13 Feb 2025 11:32

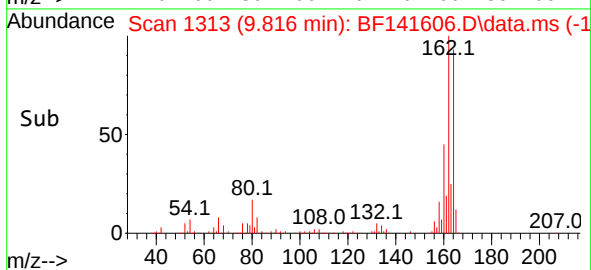
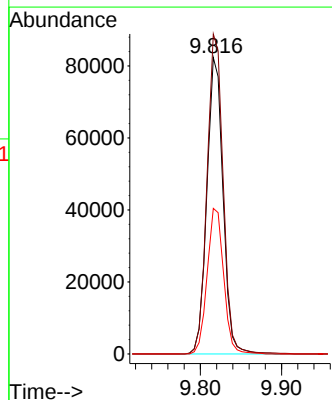
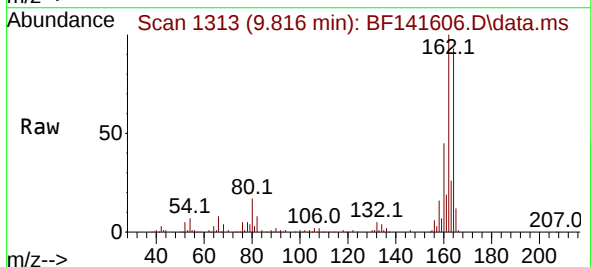
Instrument :
BNA_F
ClientSampleId :
WC-13RE

Tgt Ion: 82 Resp: 777197
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 57.5 48.2 72.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141606.D
Acq: 13 Feb 2025 11:32

Tgt Ion:164 Resp: 113397
Ion Ratio Lower Upper
164 100
162 108.0 81.3 121.9
160 49.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 297.105 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

Instrument :

BNA_F

ClientSampleId :

WC-13RE

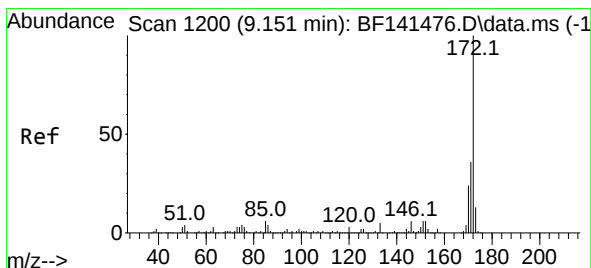
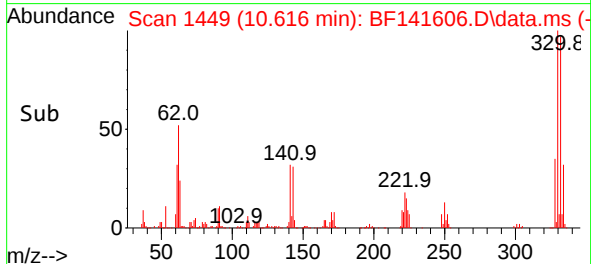
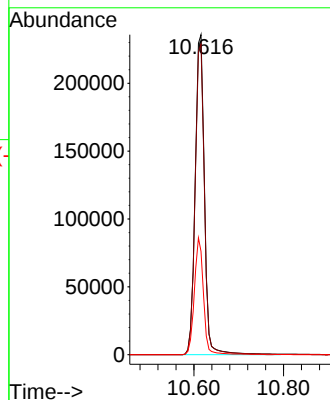
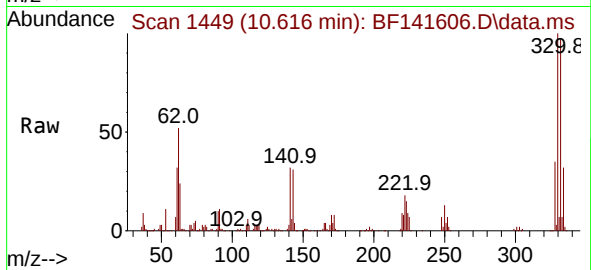
Tgt Ion:330 Resp: 338439

Ion Ratio Lower Upper

330 100

332 97.5 78.5 117.7

141 36.0 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 196.482 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

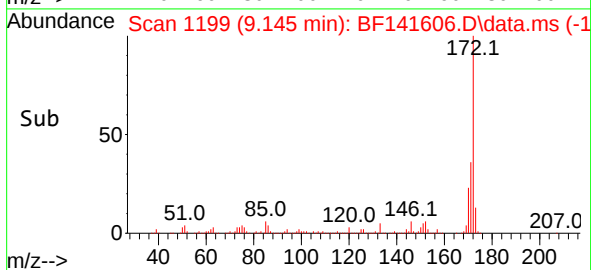
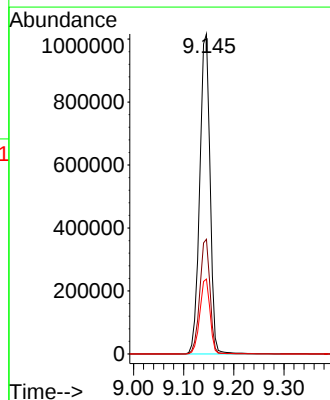
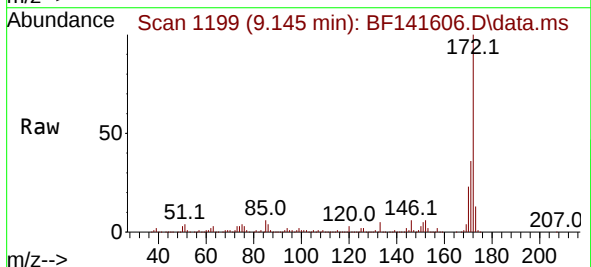
Tgt Ion:172 Resp: 1446179

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

Instrument :

BNA_F

ClientSampleId :

WC-13RE

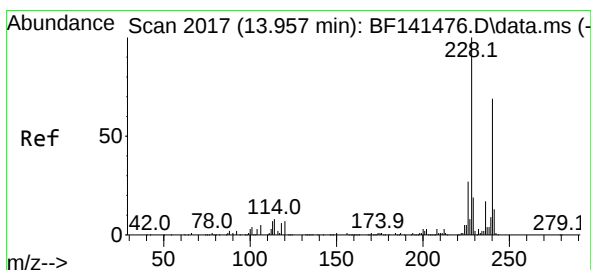
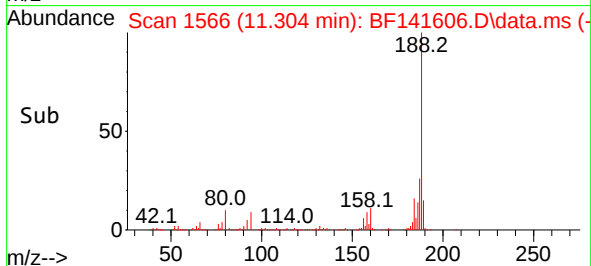
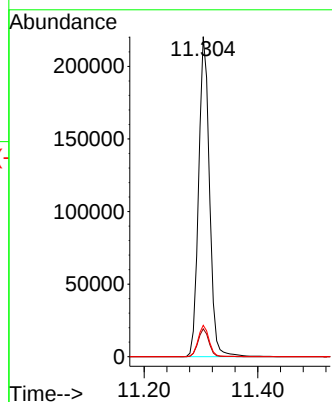
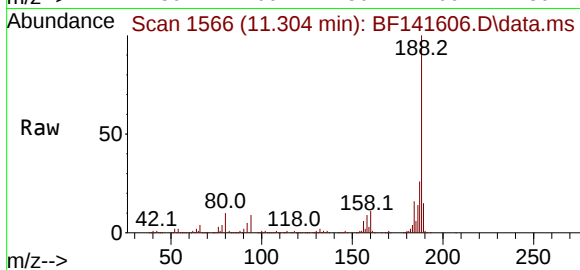
Tgt Ion:188 Resp: 294371

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.8 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF141606.D

Acq: 13 Feb 2025 11:32

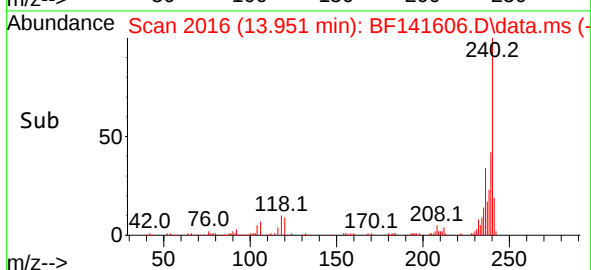
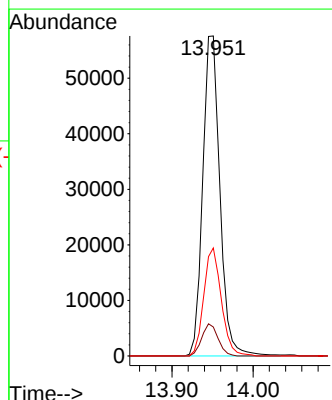
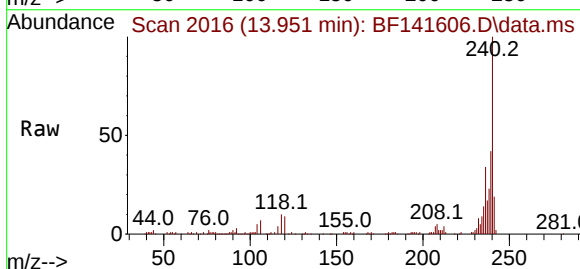
Tgt Ion:240 Resp: 84573

Ion Ratio Lower Upper

240 100

120 9.0 8.0 12.0

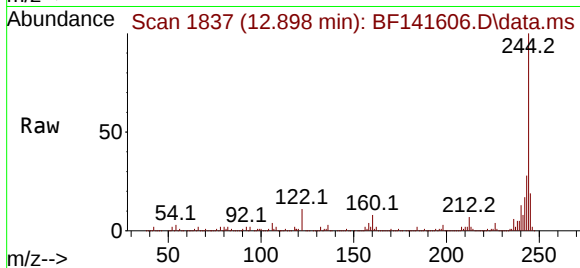
236 33.7 19.8 29.8#



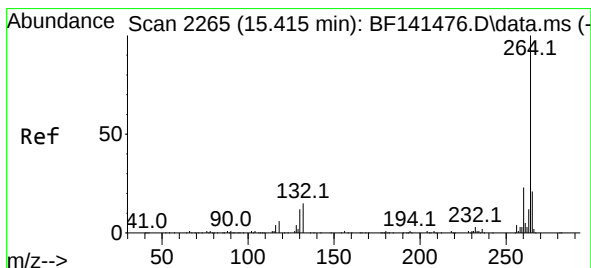
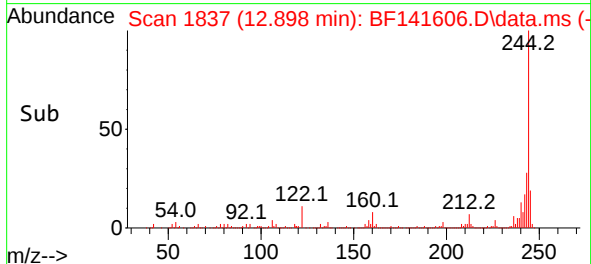
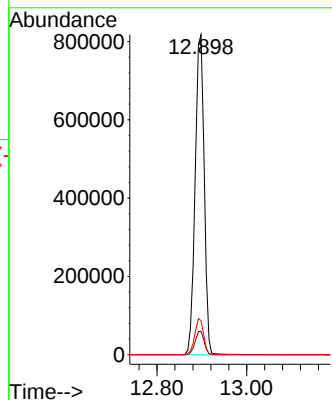


#79
 Terphenyl-d14
 Concen: 228.322 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141606.D
 Acq: 13 Feb 2025 11:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-13RE



Tgt Ion:244 Resp: 1143831
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.7 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.416 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF141606.D
 Acq: 13 Feb 2025 11:32

Tgt Ion:264 Resp: 7891
 Ion Ratio Lower Upper
 264 100
 260 40.6 18.6 28.0#
 265 21.7 17.0 25.4

