

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
 Data File : BF142083.D
 Acq On : 25 Mar 2025 17:39
 Operator : RC/JU
 Sample : Q1609-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SCRN-01-C

Quant Time: Mar 25 18:34:37 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)

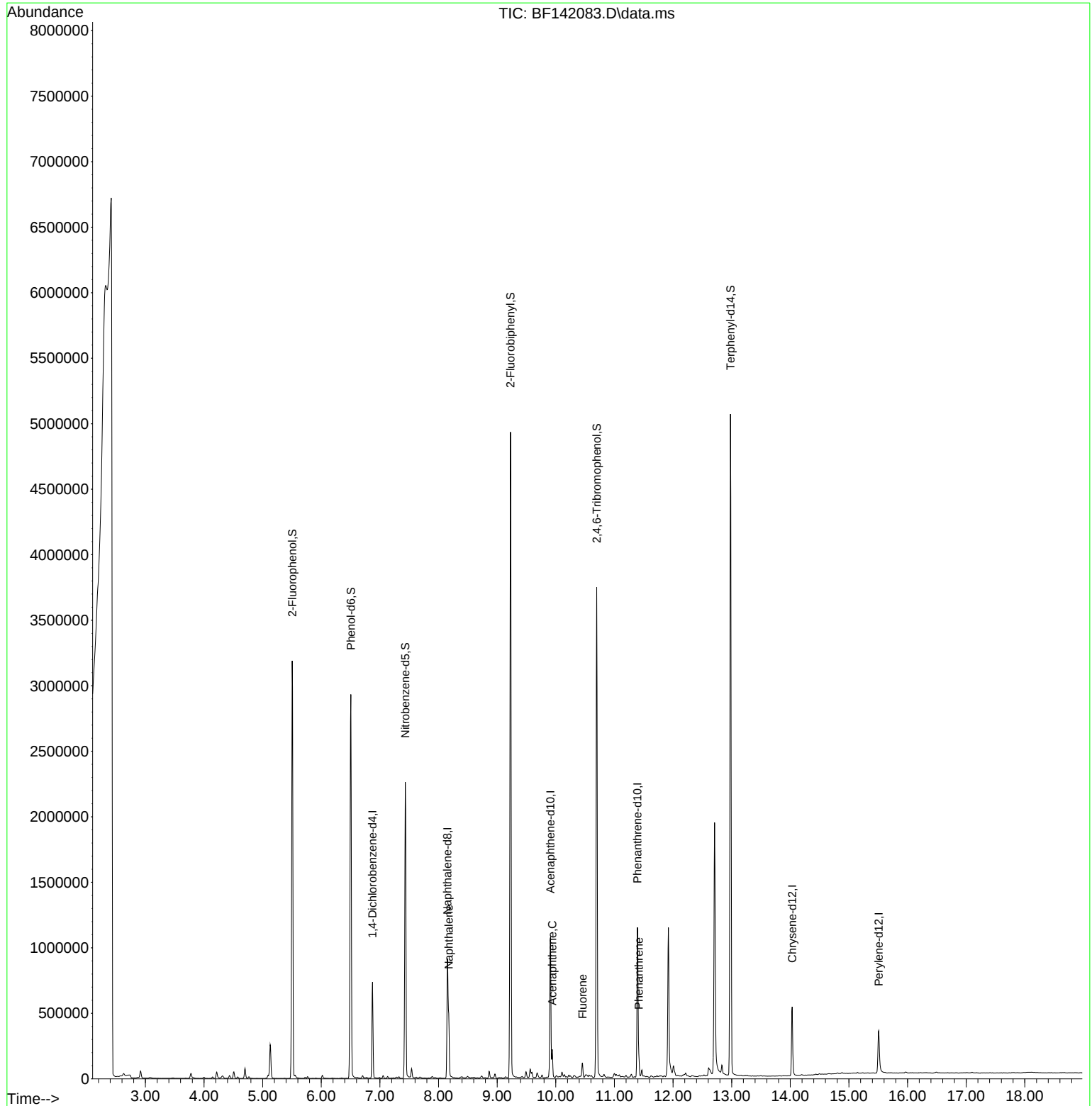
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	156009	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	600928	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	342469	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	587499	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	276694	20.000	ng	0.00
86) Perylene-d12	15.510	264	245538	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1320889	141.307	ng	0.01
7) Phenol-d6	6.504	99	1590969	133.676	ng	0.00
23) Nitrobenzene-d5	7.434	82	1096608	102.696	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	761406	175.251	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	2288298	101.617	ng	-0.01
79) Terphenyl-d14	12.980	244	2626097	140.320	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.175	128	301104	9.754	ng	99
52) Acenaphthene	9.939	154	63995	3.164	ng	99
58) Fluorene	10.457	166	47576	2.135	ng	99
71) Phenanthrene	11.416	178	79313	2.499	ng	99

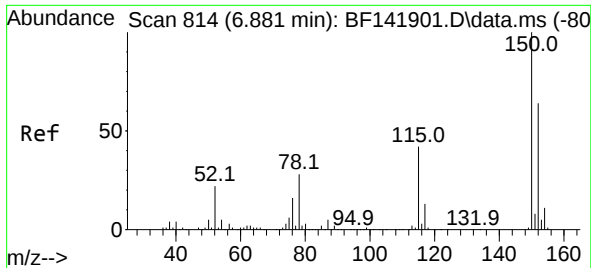
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032525\
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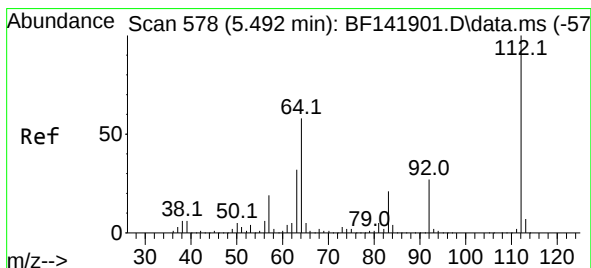
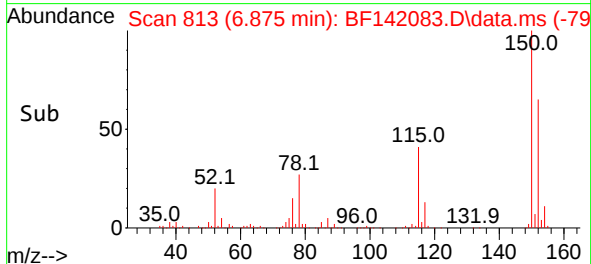
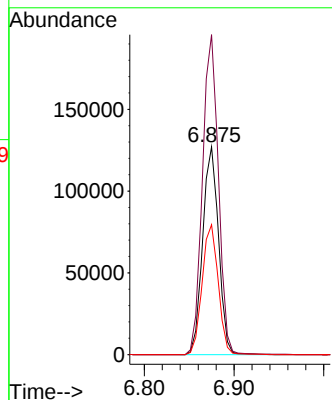
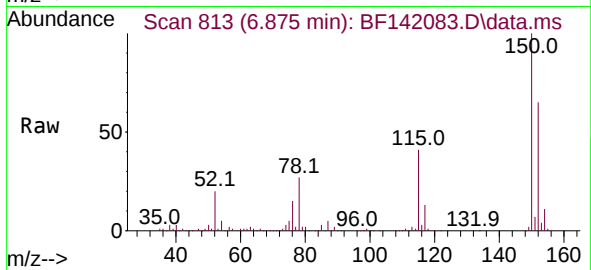




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

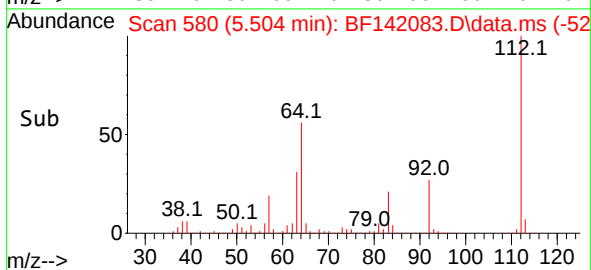
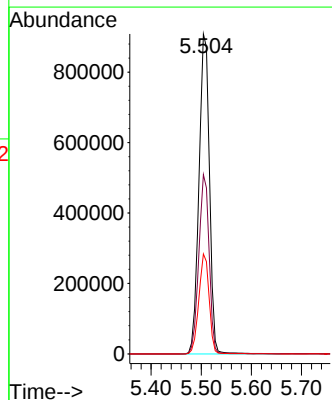
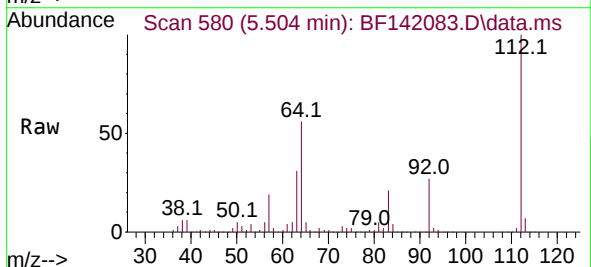
Instrument :
BNA_F
ClientSampleId :
WC-SCRN-01-C

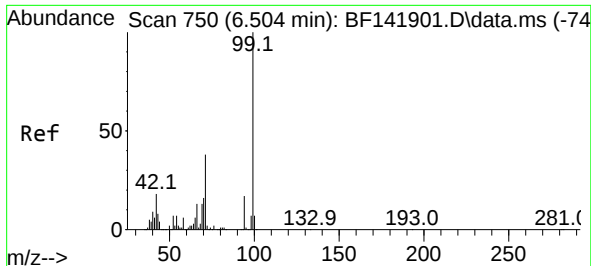
Tgt Ion:152 Resp: 156009
Ion Ratio Lower Upper
152 100
150 154.0 127.4 191.2
115 62.5 51.9 77.9



#5
2-Fluorophenol
Concen: 141.307 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

Tgt Ion:112 Resp: 1320889
Ion Ratio Lower Upper
112 100
64 56.0 46.5 69.7
63 31.2 25.4 38.2



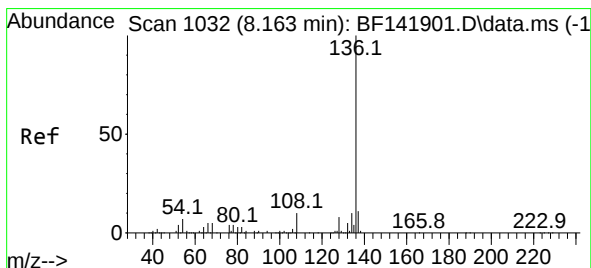
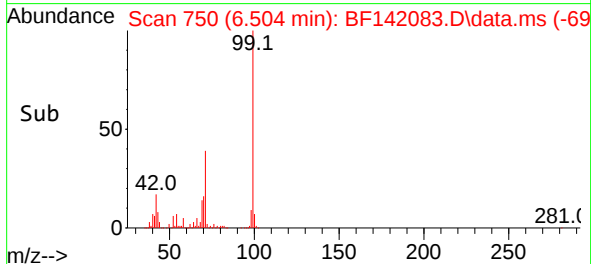
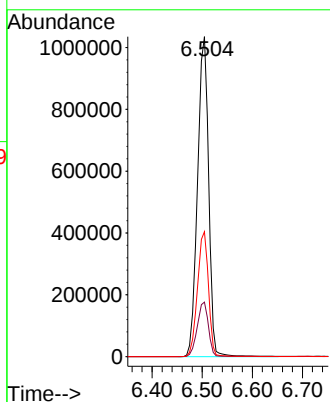
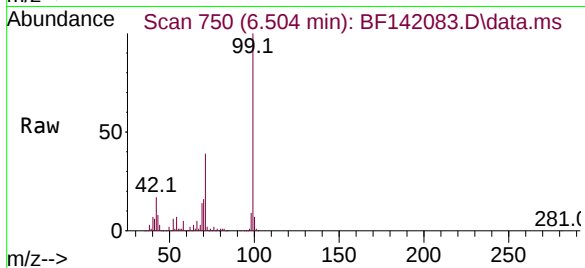


#7
Phenol-d6
Concen: 133.676 ng
RT: 6.504 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

Instrument :
BNA_F
ClientSampleId :
WC-SCRN-01-C

Tgt Ion: 99 Resp: 1590969

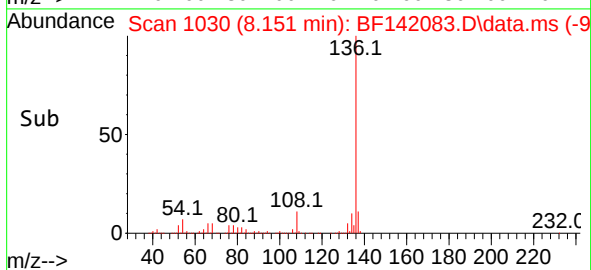
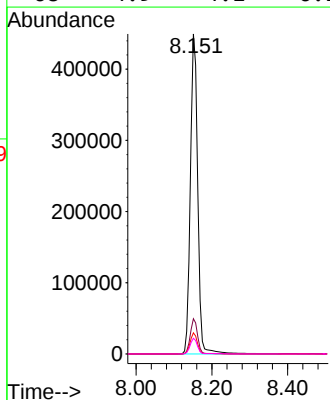
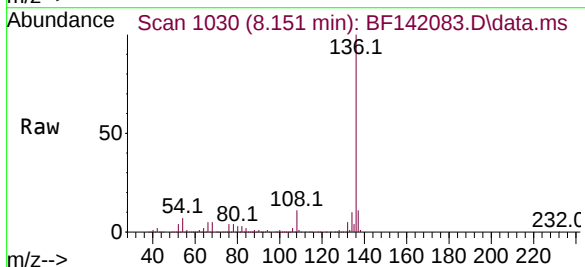
Ion	Ratio	Lower	Upper
99	100		
42	17.1	14.6	21.8
71	39.0	30.8	46.2

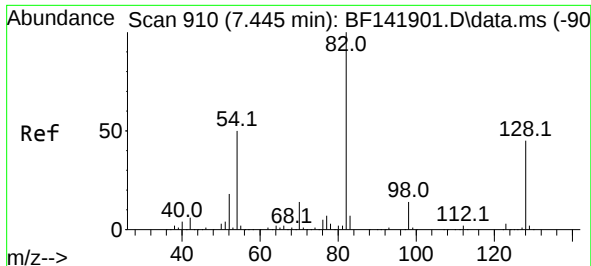


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

Tgt Ion:136 Resp: 600928

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.8	8.8
68	4.9	4.1	6.1





#23

Nitrobenzene-d5

Concen: 102.696 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

Instrument :

BNA_F

ClientSampleId :

WC-SCRN-01-C

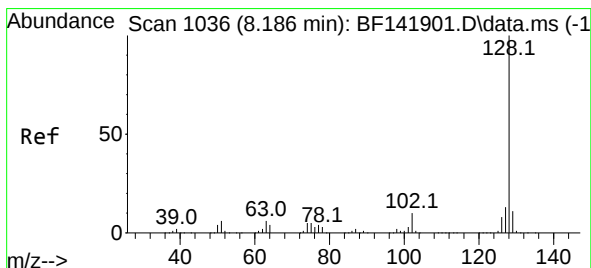
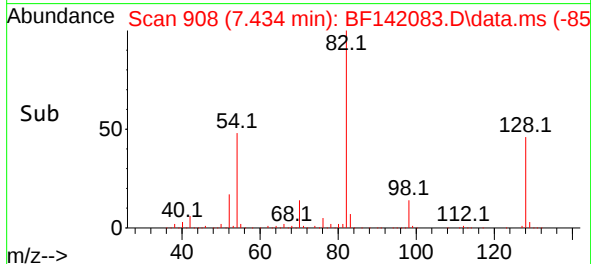
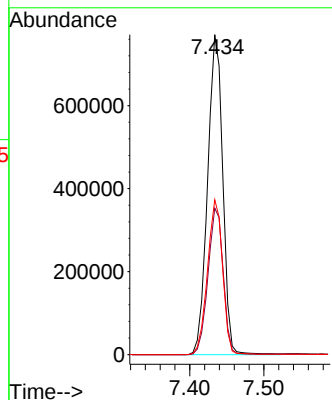
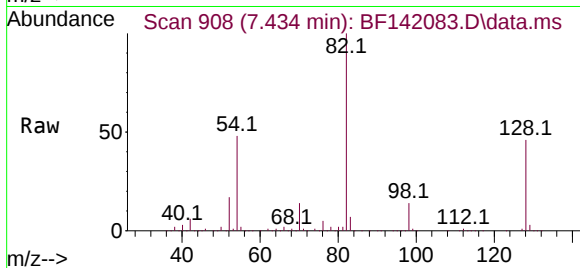
Tgt Ion: 82 Resp: 1096608

Ion Ratio Lower Upper

82 100

128 45.8 36.0 54.0

54 48.4 39.6 59.4



#31

Naphthalene

Concen: 9.754 ng

RT: 8.175 min Scan# 1034

Delta R.T. -0.012 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

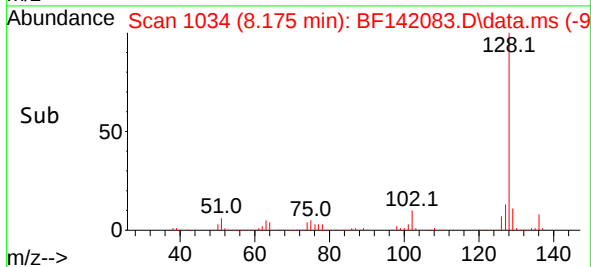
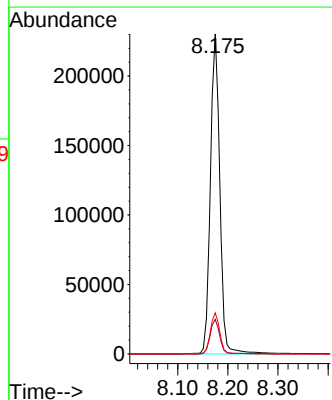
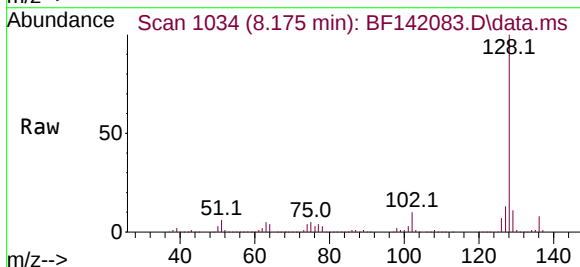
Tgt Ion:128 Resp: 301104

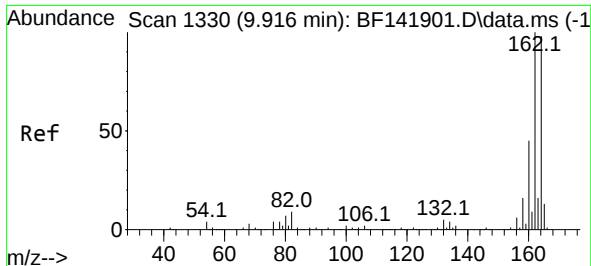
Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

127 12.8 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

Instrument :

BNA_F

ClientSampleId :

WC-SCRN-01-C

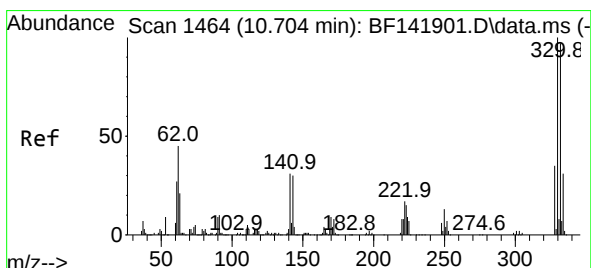
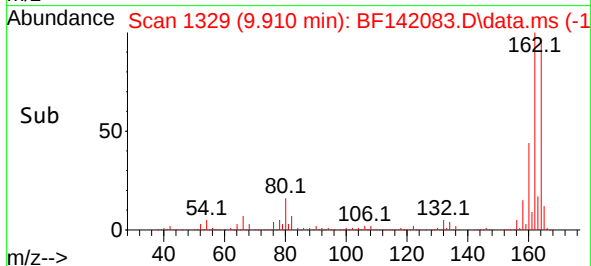
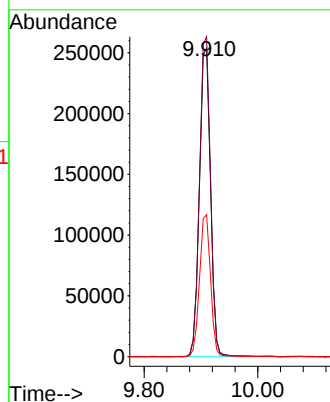
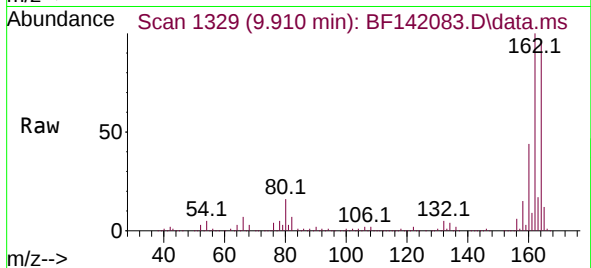
Tgt Ion:164 Resp: 342469

Ion Ratio Lower Upper

164 100

162 103.8 81.8 122.6

160 46.0 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 175.251 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

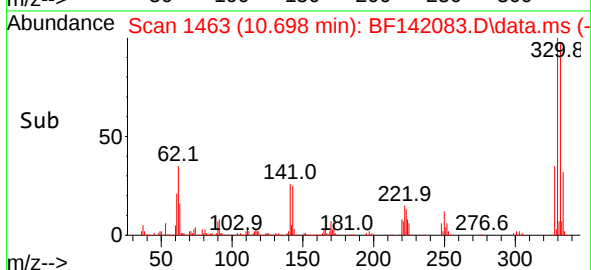
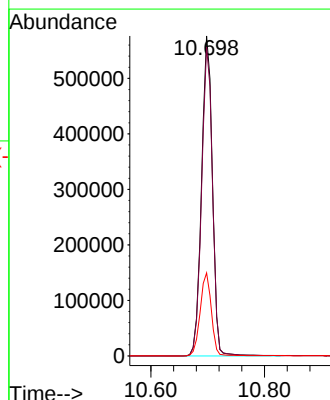
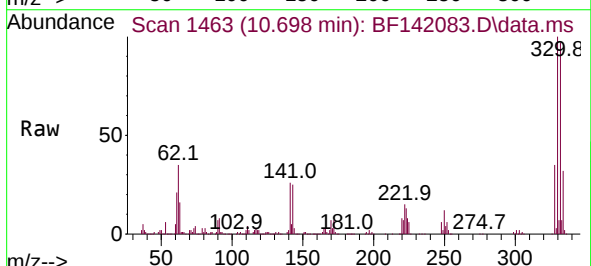
Tgt Ion:330 Resp: 761406

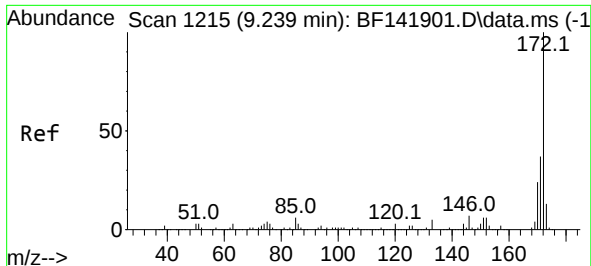
Ion Ratio Lower Upper

330 100

332 96.9 77.6 116.4

141 26.7 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 101.617 ng

RT: 9.228 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

Instrument :

BNA_F

ClientSampleId :

WC-SCRN-01-C

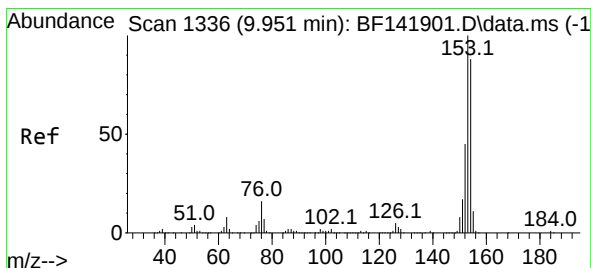
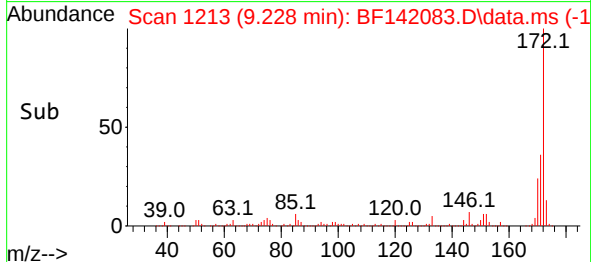
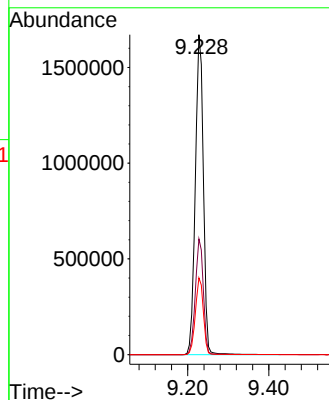
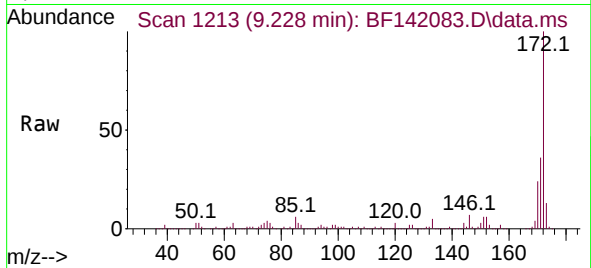
Tgt Ion:172 Resp: 2288298

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 24.0 19.4 29.0



#52

Acenaphthene

Concen: 3.164 ng

RT: 9.939 min Scan# 1334

Delta R.T. -0.012 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

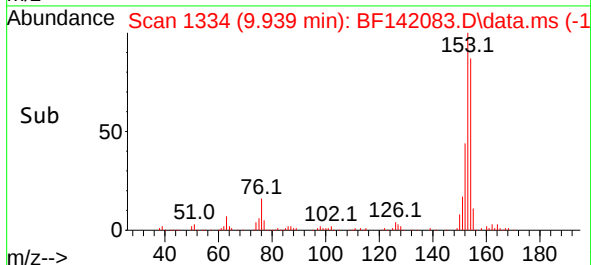
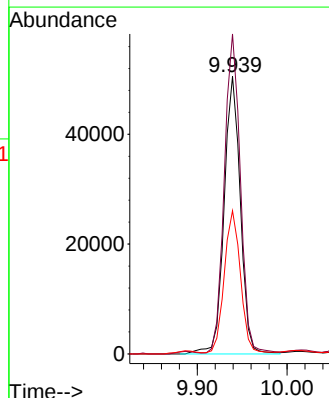
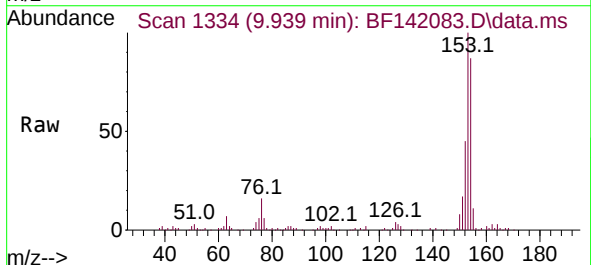
Tgt Ion:154 Resp: 63995

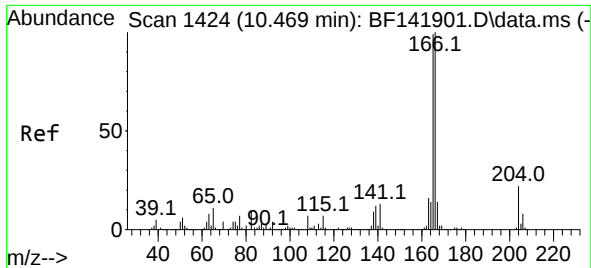
Ion Ratio Lower Upper

154 100

153 115.3 90.7 136.1

152 51.6 41.1 61.7

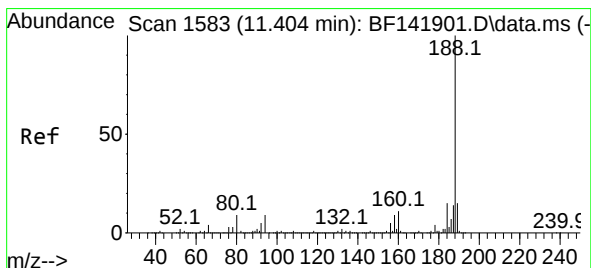
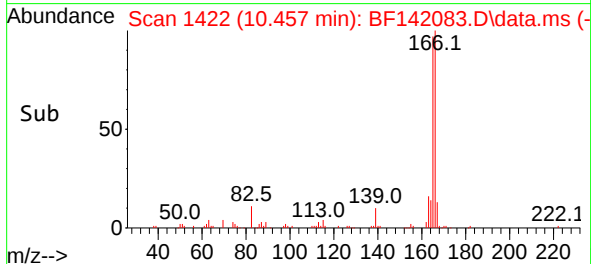
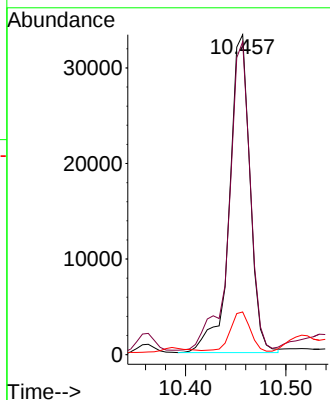
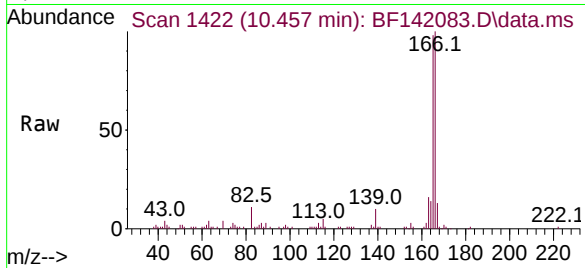




#58
Fluorene
Concen: 2.135 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

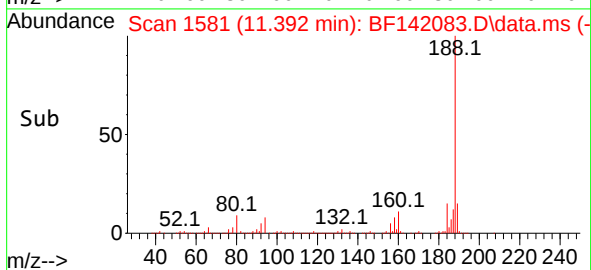
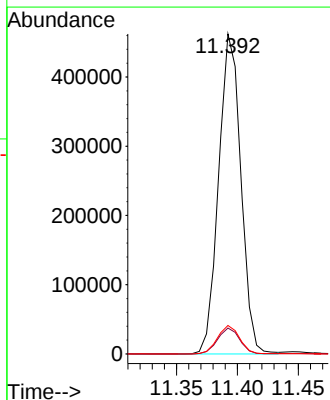
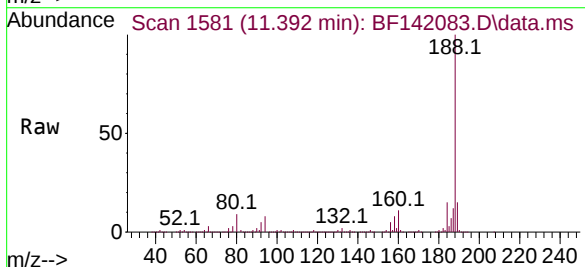
Instrument :
BNA_F
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WC-SCRN-01-C

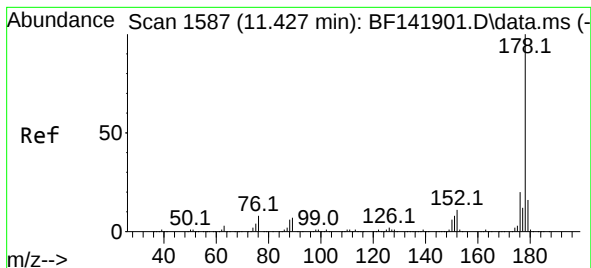
Tgt Ion:166 Resp: 47576
Ion Ratio Lower Upper
166 100
165 97.8 79.0 118.4
167 13.3 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142083.D
Acq: 25 Mar 2025 17:39

Tgt Ion:188 Resp: 587499
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.9 7.6 11.4





#71

Phenanthrene

Concen: 2.499 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

Instrument :

BNA_F

ClientSampleId :

WC-SCRN-01-C

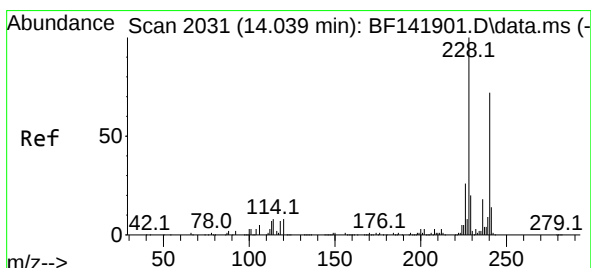
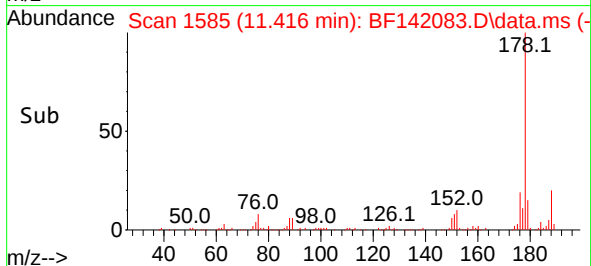
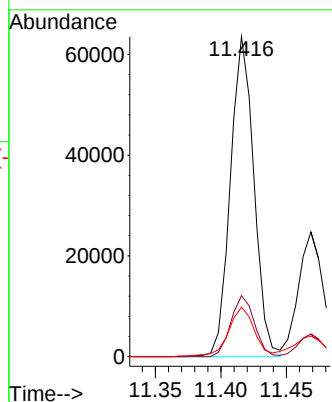
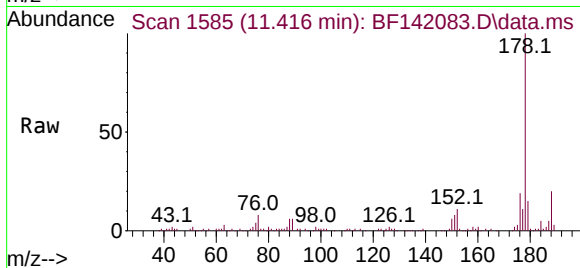
Tgt Ion:178 Resp: 79313

Ion Ratio Lower Upper

178 100

176 19.0 15.8 23.8

179 15.5 12.6 19.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142083.D

Acq: 25 Mar 2025 17:39

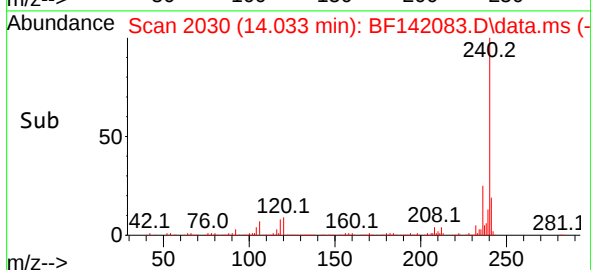
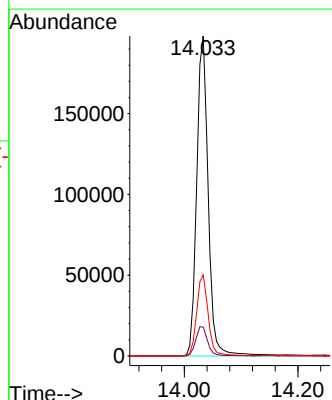
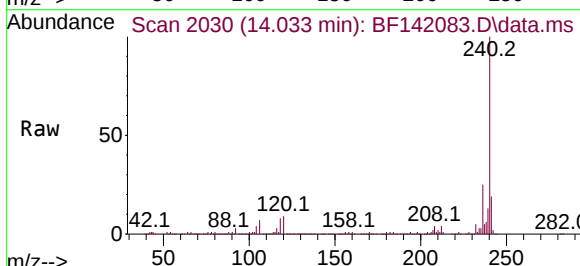
Tgt Ion:240 Resp: 276694

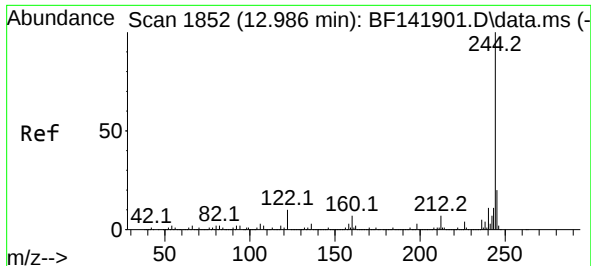
Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.3 20.5 30.7

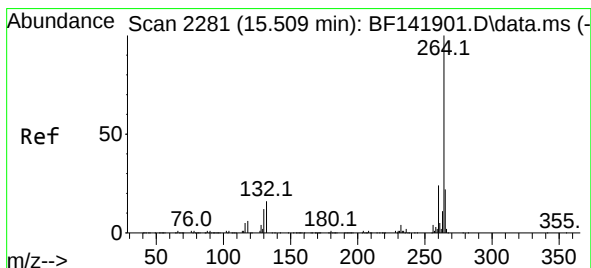
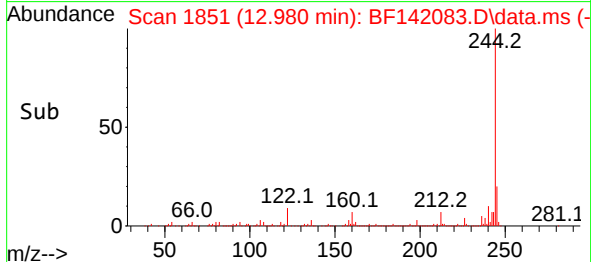
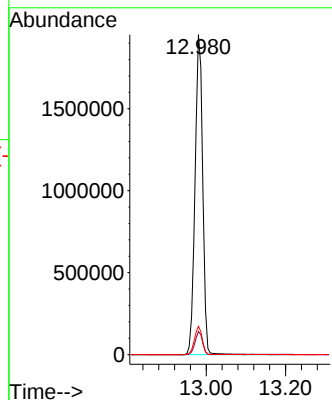
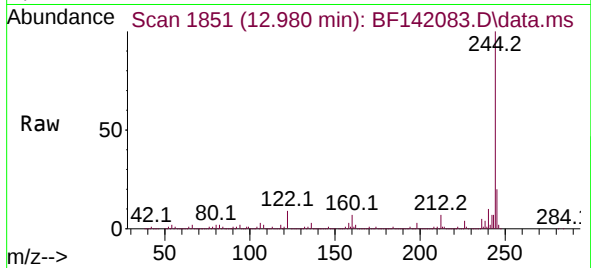




#79
 Terphenyl-d14
 Concen: 140.320 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142083.D
 Acq: 25 Mar 2025 17:39

Instrument :
 BNA_F
 ClientSampleId :
 WC-SCRN-01-C

Tgt Ion:244 Resp: 2626097
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 8.8 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: BF142083.D
 Acq: 25 Mar 2025 17:39

Tgt Ion:264 Resp: 245538
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.1 28.7
 265 21.0 17.5 26.3

