

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142196.D
 Acq On : 31 Mar 2025 22:55
 Operator : RC/JU
 Sample : Q1671-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Apr 01 00:49:59 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	6.869	152	114944	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	423799	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	210435	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	294635	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	284535	20.000	ng	0.00
86) Perylene-d12	15.504	264	341380	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	894843	129.929	ng	0.00
7) Phenol-d6	6.492	99	1018567	116.157	ng	-0.01
23) Nitrobenzene-d5	7.428	82	704476	93.547	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	355627	133.211	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1390459	100.488	ng	-0.02
79) Terphenyl-d14	12.974	244	1229072	63.863	ng	-0.01

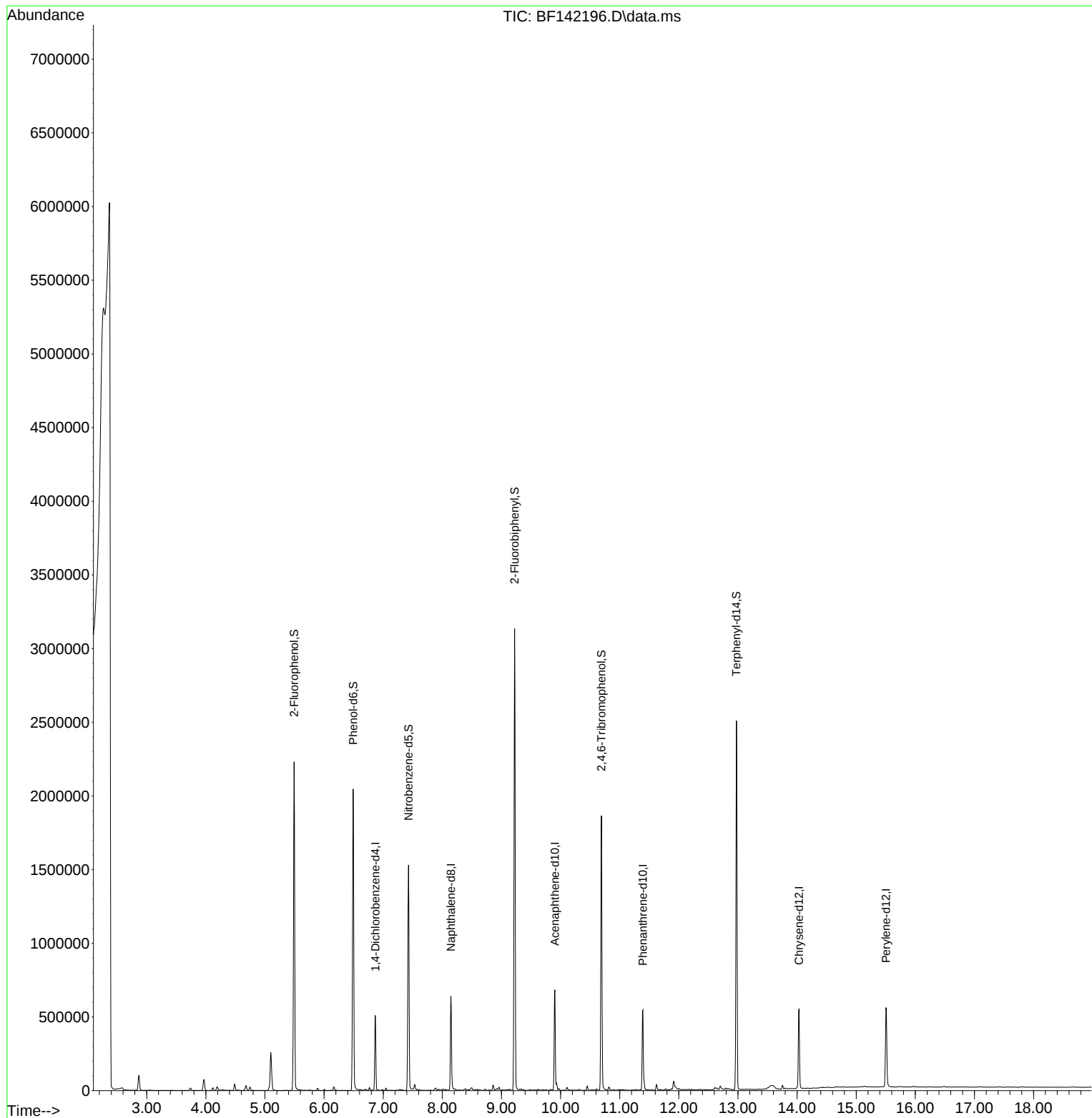
Target Compounds	Qvalue

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

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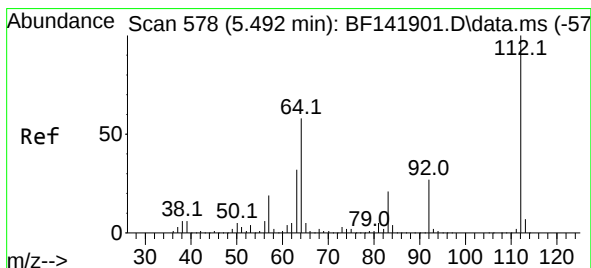
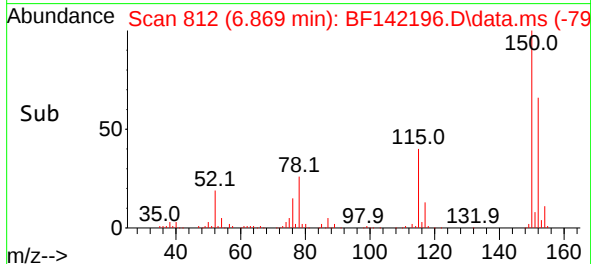
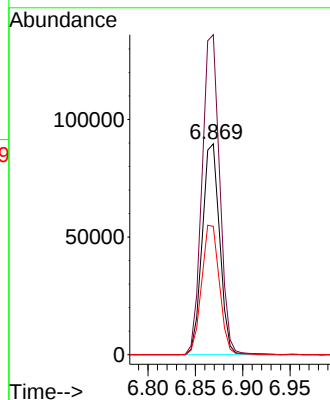
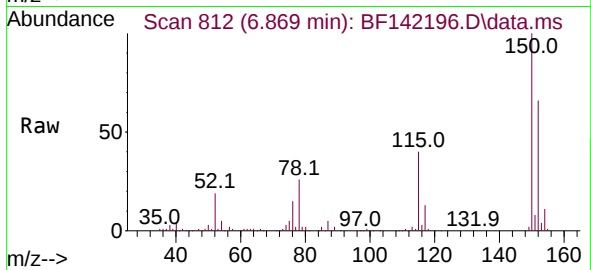




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

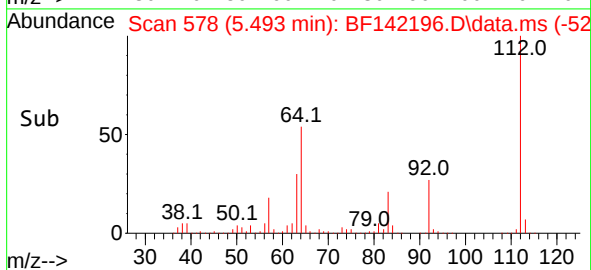
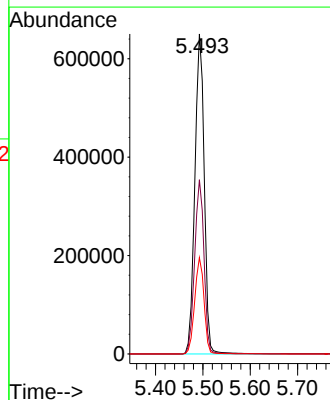
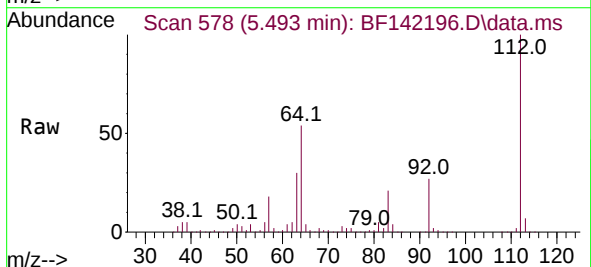
Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:152 Resp: 114944
Ion Ratio Lower Upper
152 100
150 151.7 127.4 191.2
115 60.8 51.9 77.9



#5
2-Fluorophenol
Concen: 129.929 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:112 Resp: 894843
Ion Ratio Lower Upper
112 100
64 54.4 46.5 69.7
63 30.1 25.4 38.2





#7

Phenol-d6

Concen: 116.157 ng

RT: 6.492 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

Instrument :

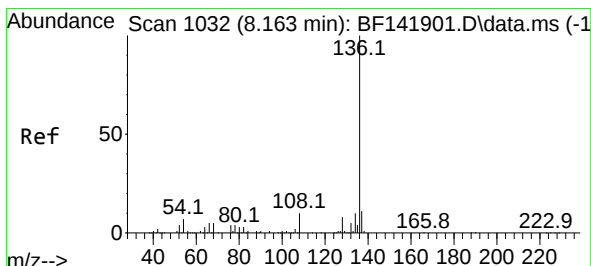
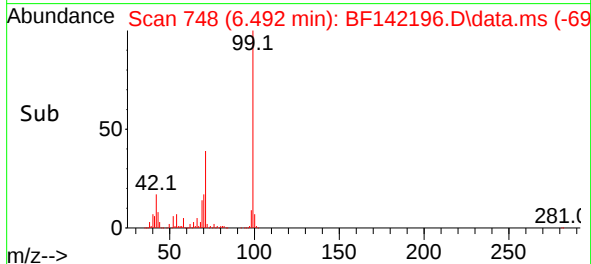
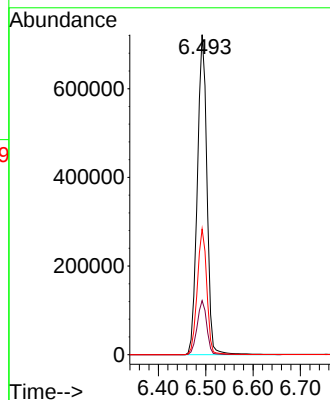
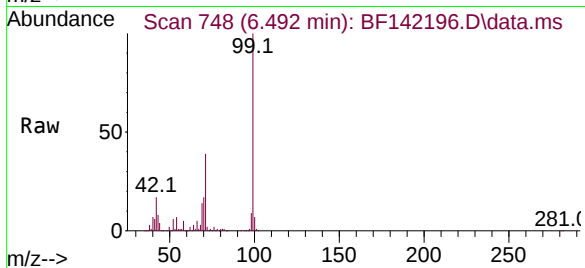
BNA_F

ClientSampleId :

WC-1

Tgt Ion: 99 Resp: 1018567

Ion	Ratio	Lower	Upper
99	100		
42	16.9	14.6	21.8
71	39.3	30.8	46.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1029

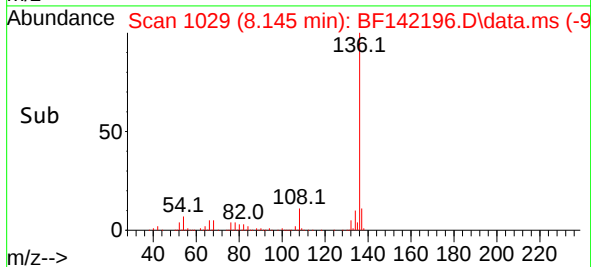
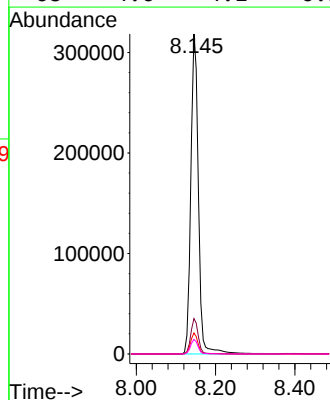
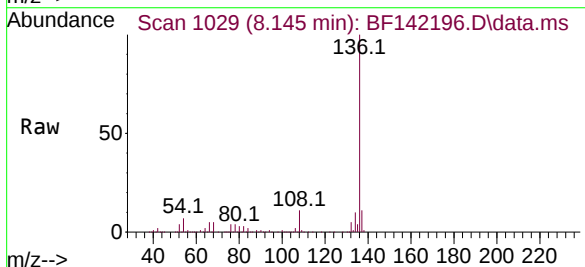
Delta R.T. -0.018 min

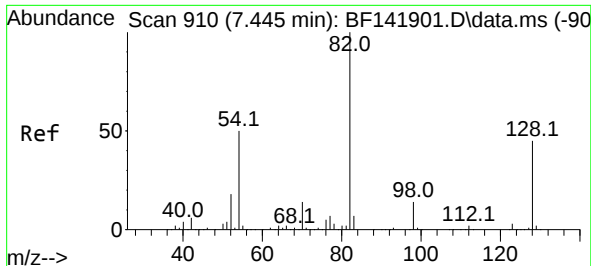
Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

Tgt Ion: 136 Resp: 423799

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 93.547 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

Instrument :

BNA_F

ClientSampleId :

WC-1

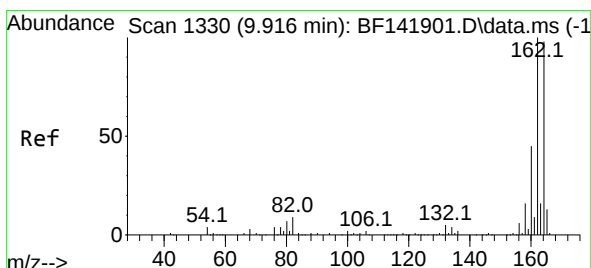
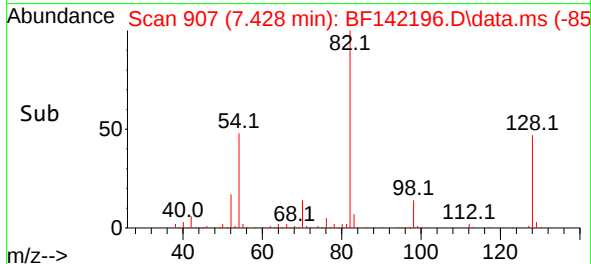
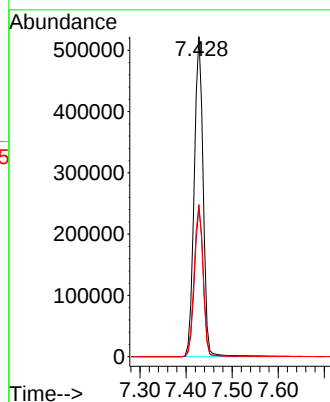
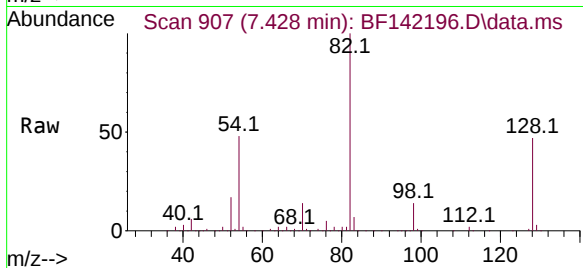
Tgt Ion: 82 Resp: 704476

Ion Ratio Lower Upper

82 100

128 46.6 36.0 54.0

54 47.6 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

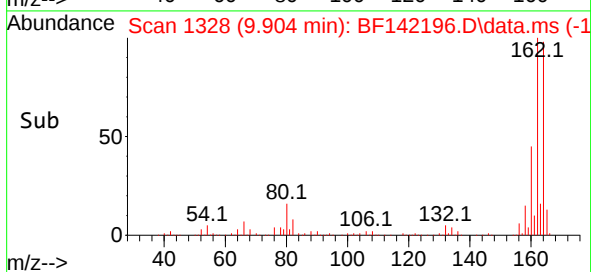
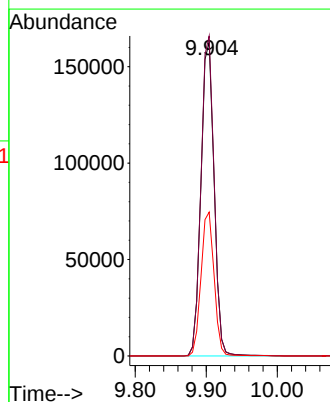
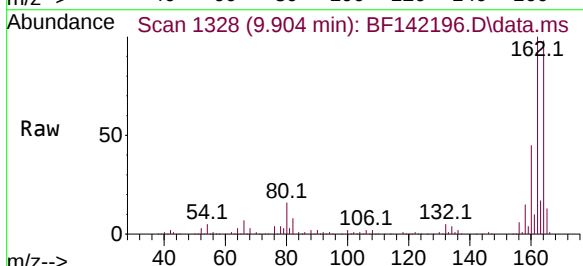
Tgt Ion:164 Resp: 210435

Ion Ratio Lower Upper

164 100

162 102.0 81.8 122.6

160 45.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 133.211 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

Instrument :

BNA_F

ClientSampleId :

WC-1

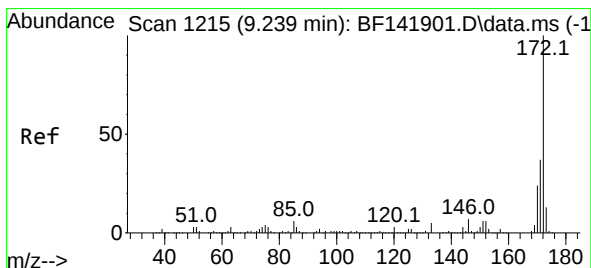
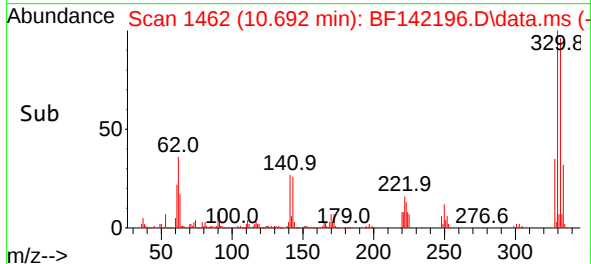
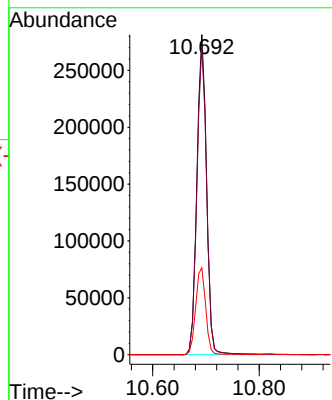
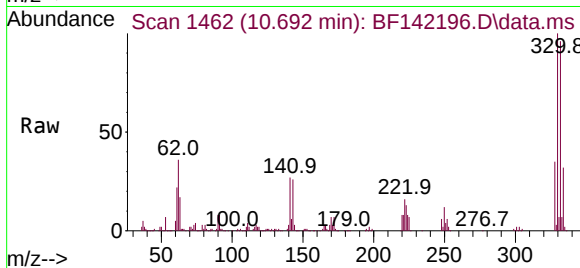
Tgt Ion:330 Resp: 355627

Ion Ratio Lower Upper

330 100

332 96.5 77.6 116.4

141 28.3 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 100.488 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.018 min

Lab File: BF142196.D

Acq: 31 Mar 2025 22:55

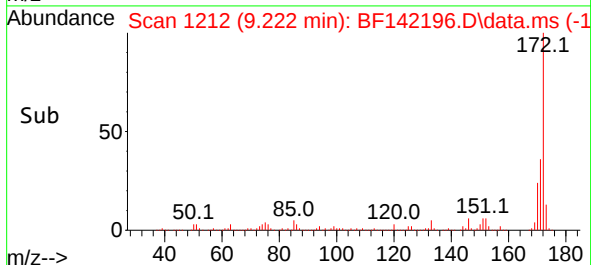
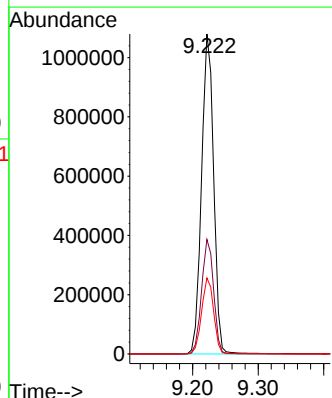
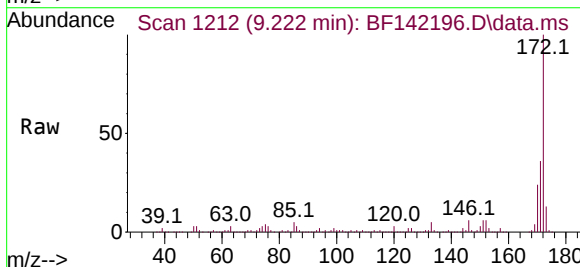
Tgt Ion:172 Resp: 1390459

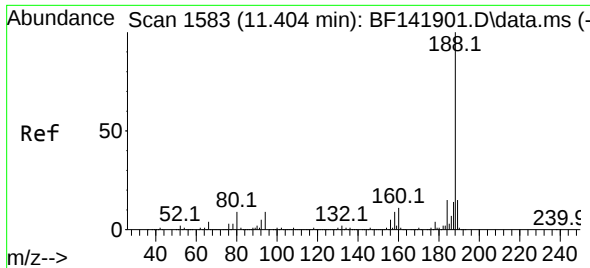
Ion Ratio Lower Upper

172 100

171 35.8 29.3 43.9

170 23.8 19.4 29.0

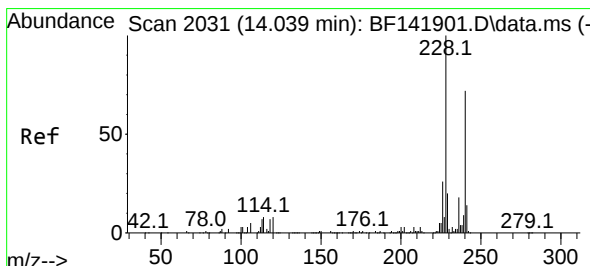
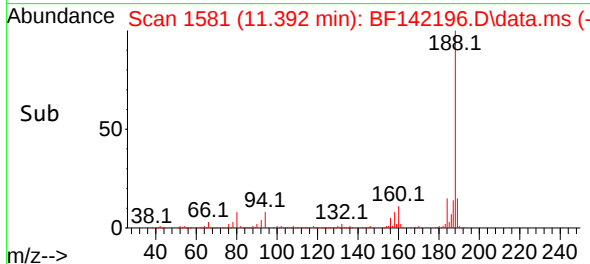
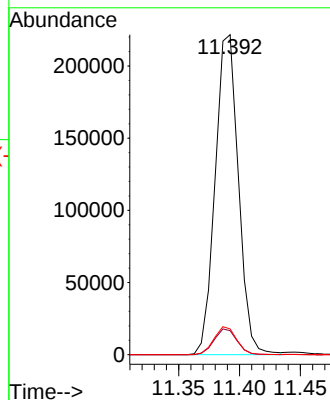
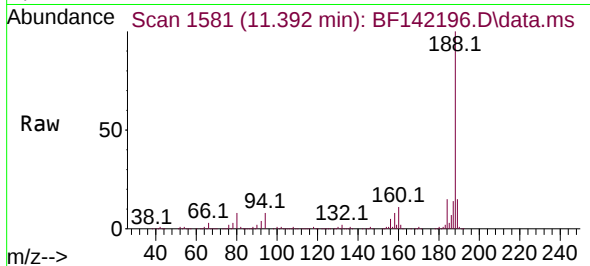




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

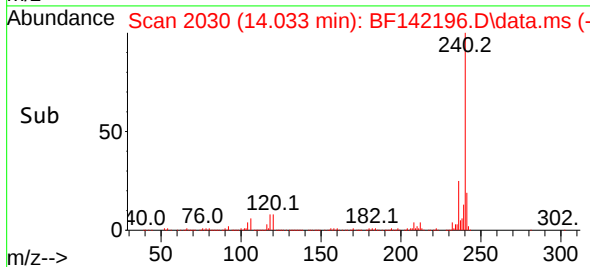
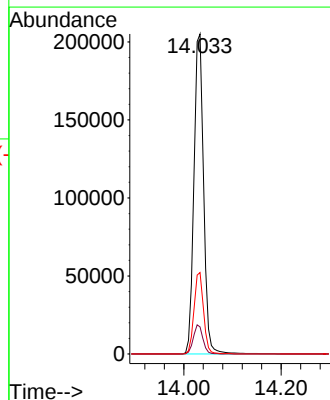
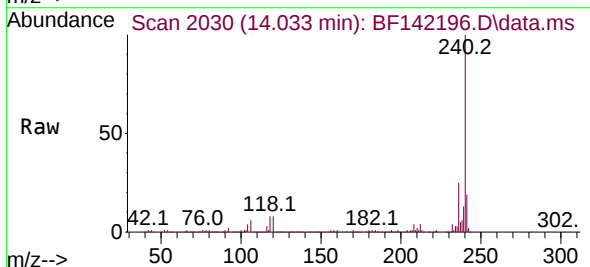
Instrument :
BNA_F
ClientSampleId :
WC-1

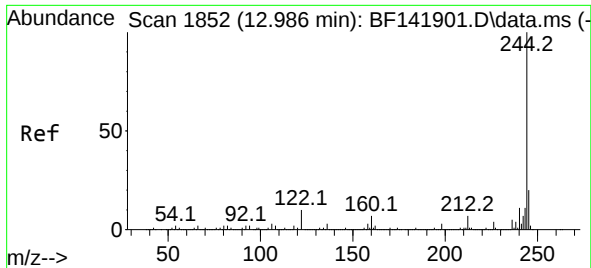
Tgt Ion:188 Resp: 294635
Ion Ratio Lower Upper
188 100
94 7.5 6.8 10.2
80 8.0 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142196.D
Acq: 31 Mar 2025 22:55

Tgt Ion:240 Resp: 284535
Ion Ratio Lower Upper
240 100
120 8.4 8.4 12.6
236 25.4 20.5 30.7

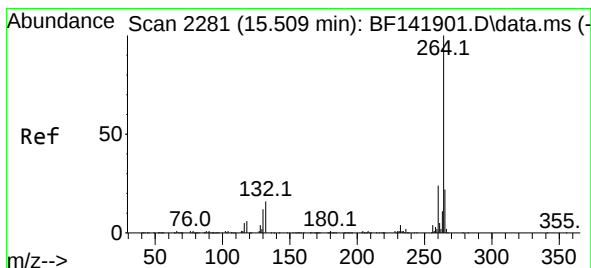
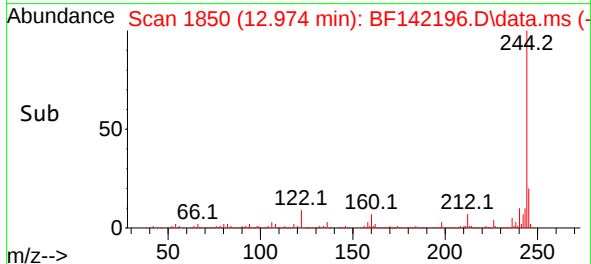
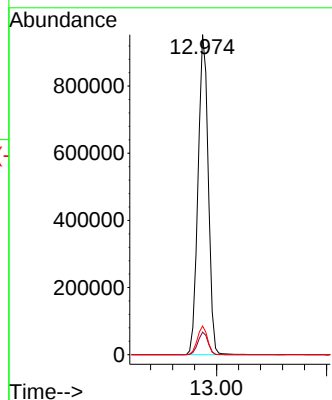
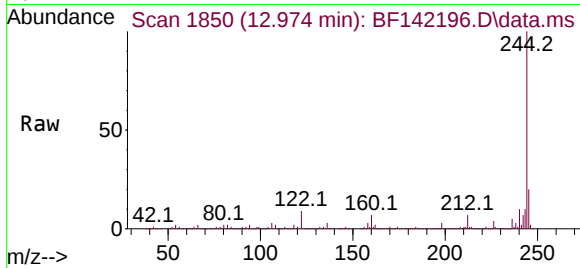




#79
 Terphenyl-d14
 Concen: 63.863 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 1229072
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 8.9 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.006 min
 Lab File: BF142196.D
 Acq: 31 Mar 2025 22:55

Tgt Ion:264 Resp: 341380
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.1 28.7
 265 21.4 17.5 26.3

