

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142033.D
 Acq On : 21 Mar 2025 16:51
 Operator : RC/JU
 Sample : Q1619-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 21 17:11:44 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)

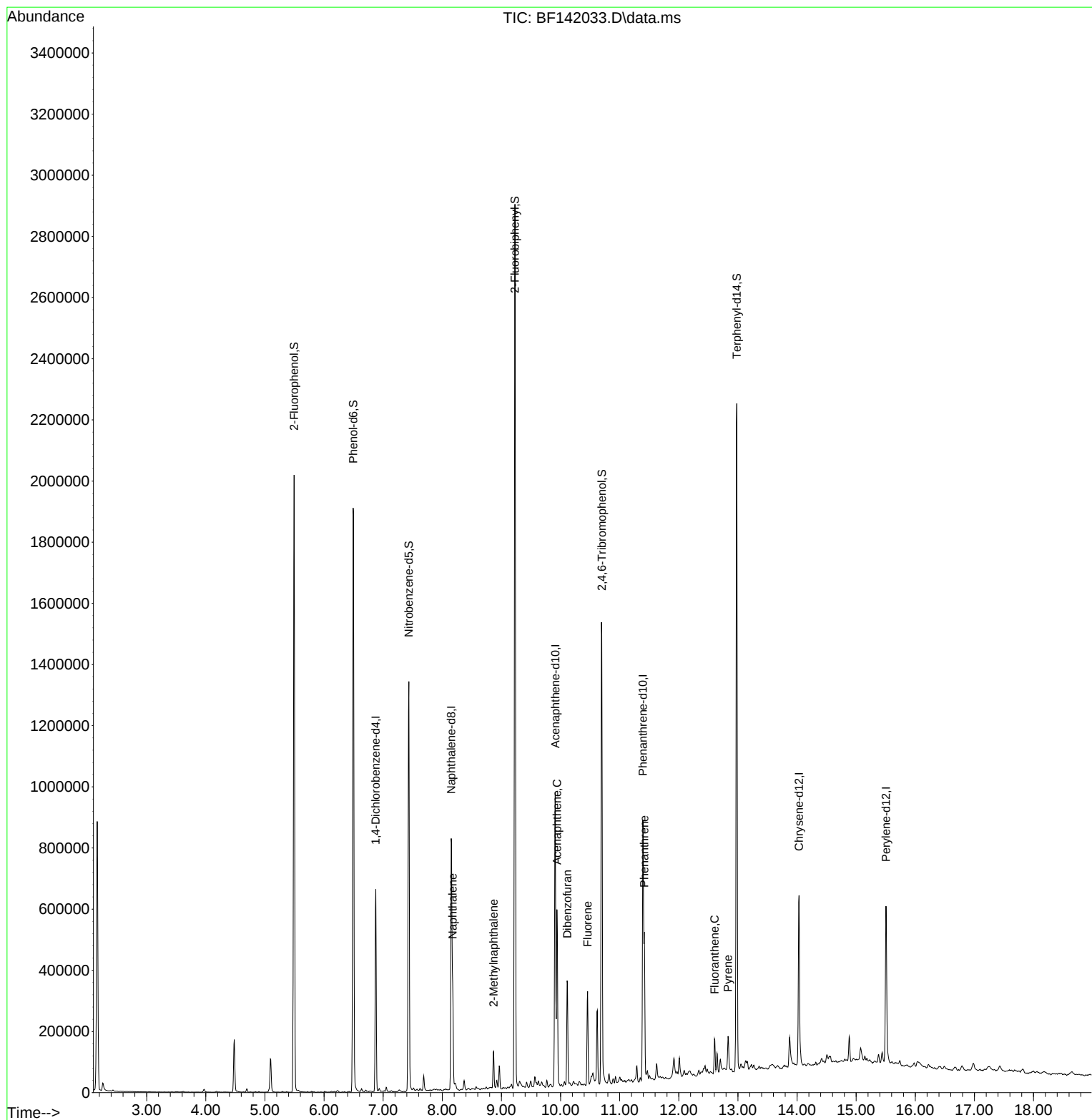
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	140526	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	545257	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	288267	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	443263	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	268691	20.000	ng	0.00
86) Perylene-d12	15.504	264	309109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	779323	92.556	ng	0.00
7) Phenol-d6	6.493	99	956863	89.256	ng	-0.01
23) Nitrobenzene-d5	7.434	82	612169	63.182	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	279173	76.338	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1251232	66.011	ng	-0.01
79) Terphenyl-d14	12.980	244	1125704	61.941	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.175	128	198135	7.074	ng	98
37) 2-Methylnaphthalene	8.869	142	49438	2.641	ng	98
52) Acenaphthene	9.939	154	179507	10.544	ng	99
55) Dibenzofuran	10.116	168	191941	7.890	ng	98
58) Fluorene	10.457	166	124869	6.656	ng	99
71) Phenanthrene	11.416	178	252640	10.552	ng	98
75) Fluoranthene	12.604	202	67718	2.666	ng	98
78) Pyrene	12.833	202	65452	2.816	ng	97

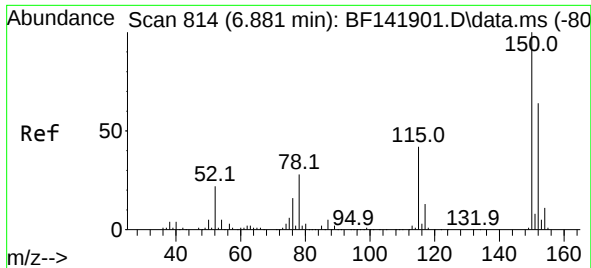
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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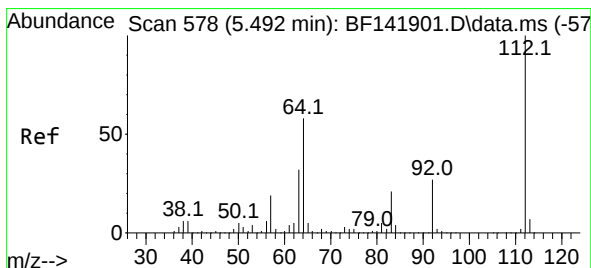
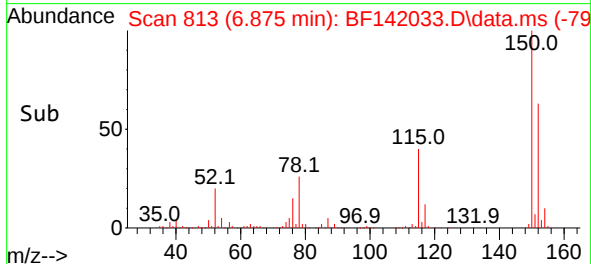
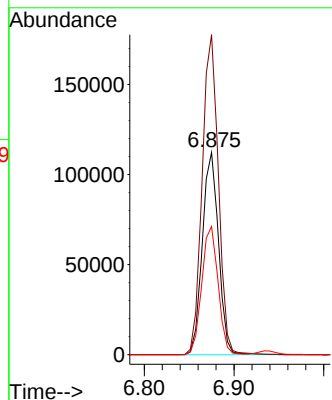
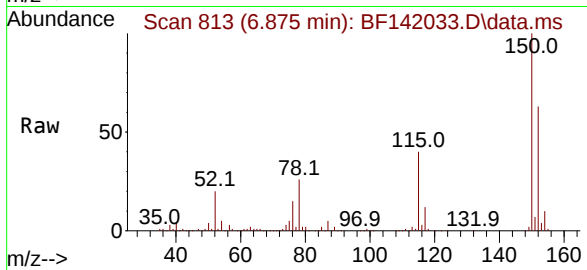




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

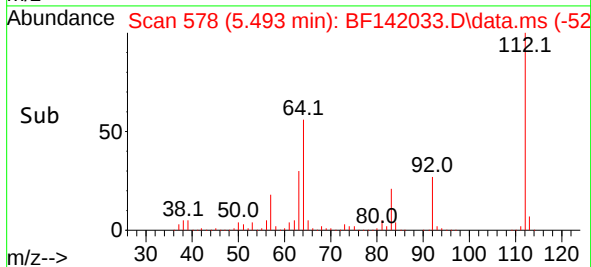
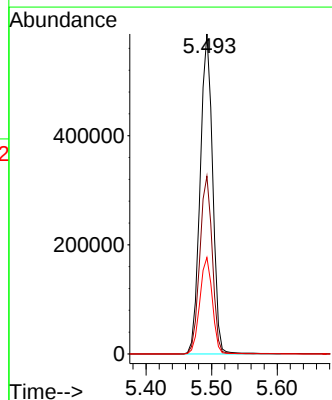
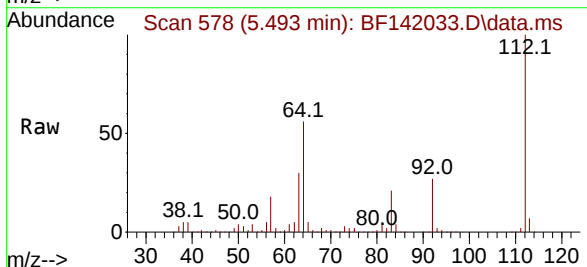
Instrument :
BNA_F
ClientSampleId :
TP-4

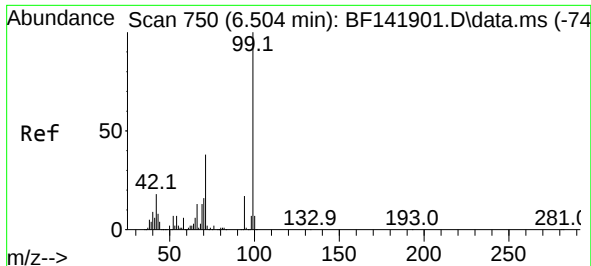
Tgt Ion:152 Resp: 140526
Ion Ratio Lower Upper
152 100
150 158.2 127.4 191.2
115 63.3 51.9 77.9



#5
2-Fluorophenol
Concen: 92.556 ng
RT: 5.493 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion:112 Resp: 779323
Ion Ratio Lower Upper
112 100
64 55.6 46.5 69.7
63 30.2 25.4 38.2



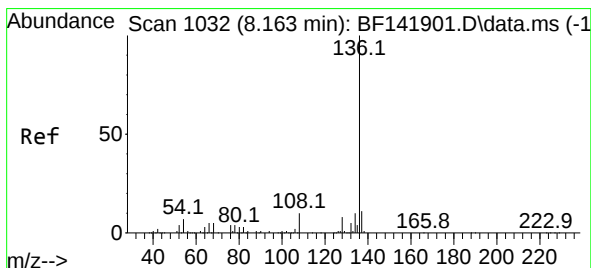
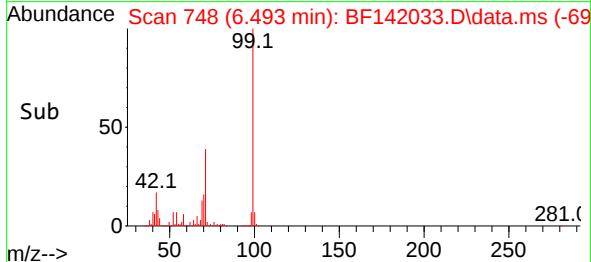
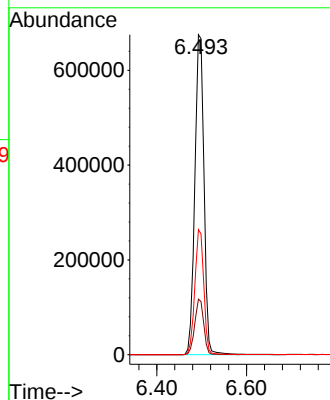
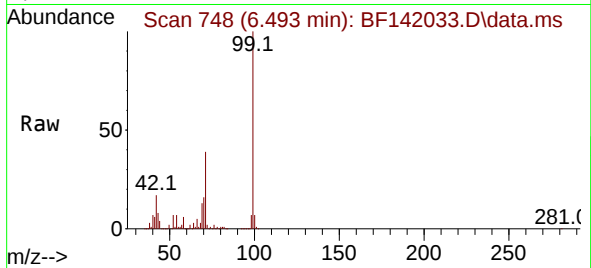


#7
Phenol-d6
Concen: 89.256 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 956863

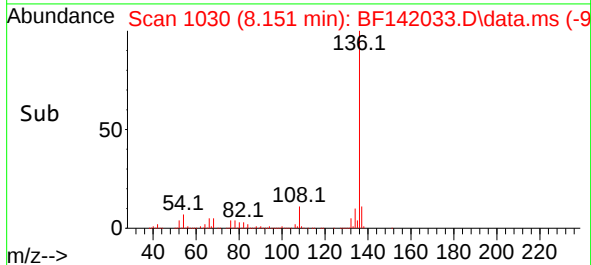
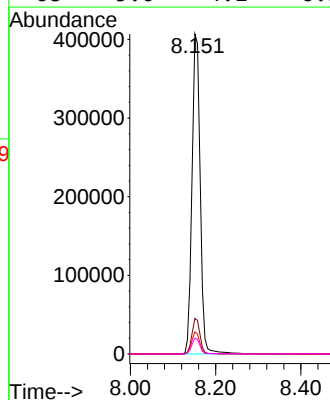
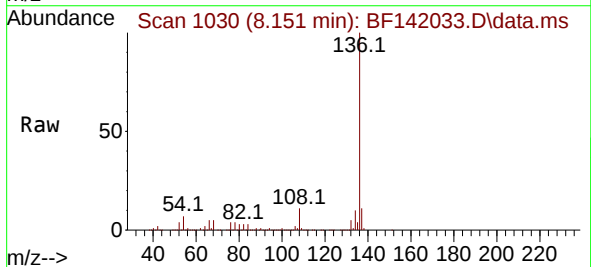
Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.6	21.8
71	39.1	30.8	46.2

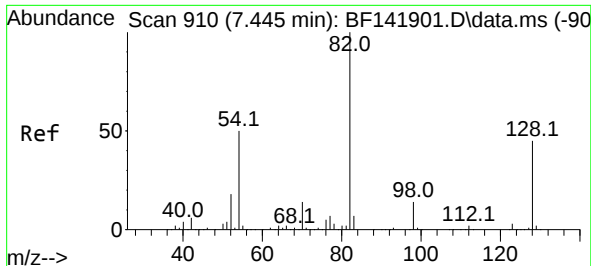


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion:136 Resp: 545257

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	6.9	5.8	8.8
68	5.0	4.1	6.1

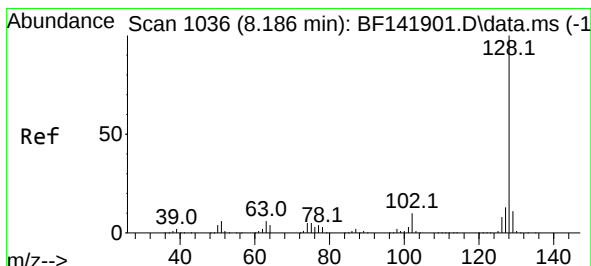
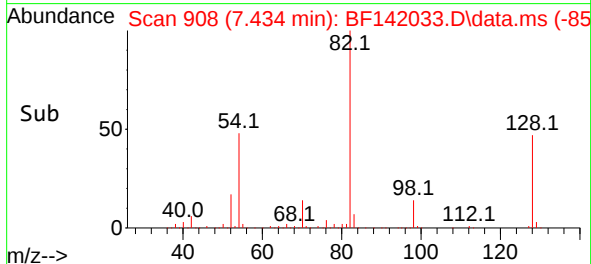
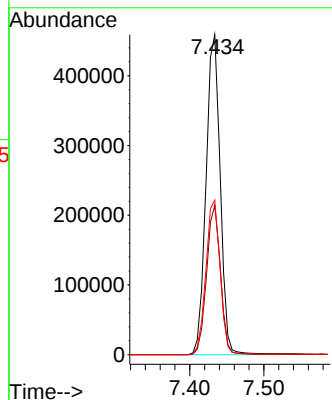
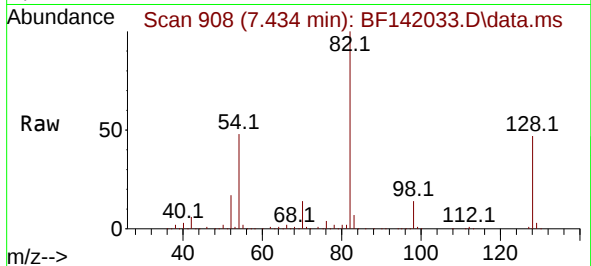




#23
Nitrobenzene-d5
Concen: 63.182 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

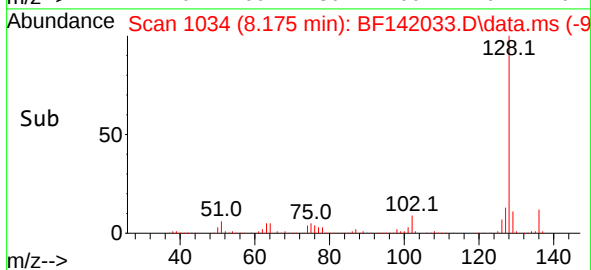
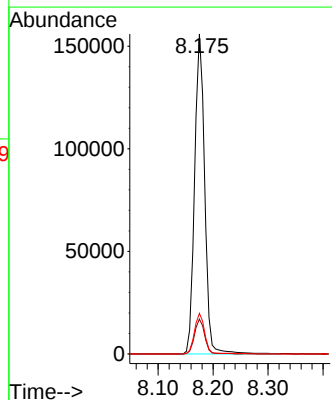
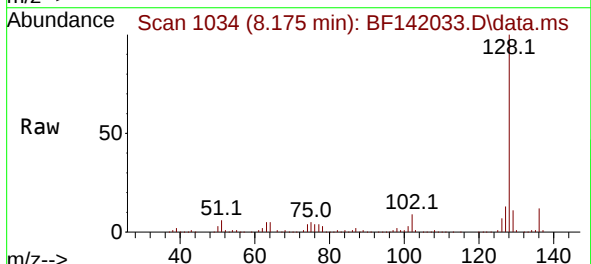
Instrument :
BNA_F
ClientSampleId :
TP-4

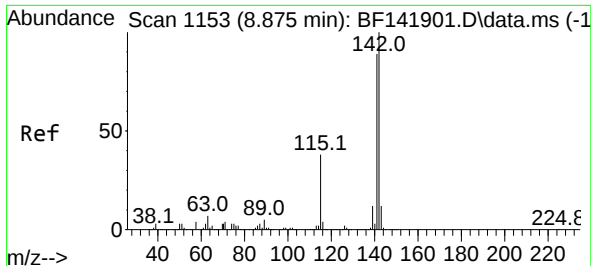
Tgt Ion: 82 Resp: 612169
Ion Ratio Lower Upper
82 100
128 46.6 36.0 54.0
54 48.3 39.6 59.4



#31
Naphthalene
Concen: 7.074 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion: 128 Resp: 198135
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.7 10.8 16.2





#37

2-Methylnaphthalene

Concen: 2.641 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142033.D

Acq: 21 Mar 2025 16:51

Instrument :

BNA_F

ClientSampleId :

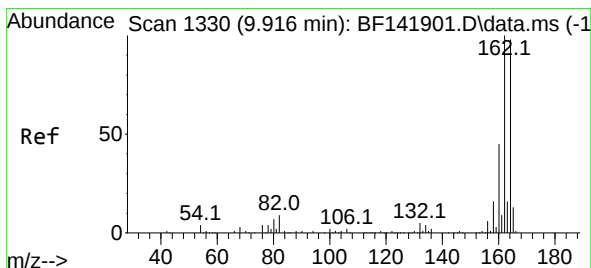
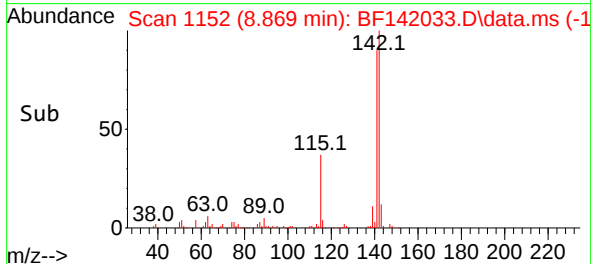
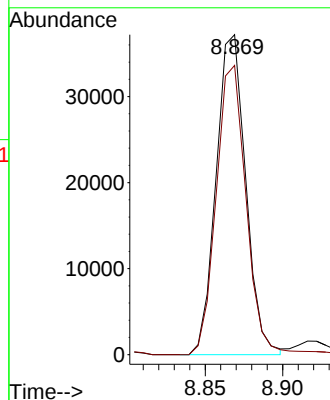
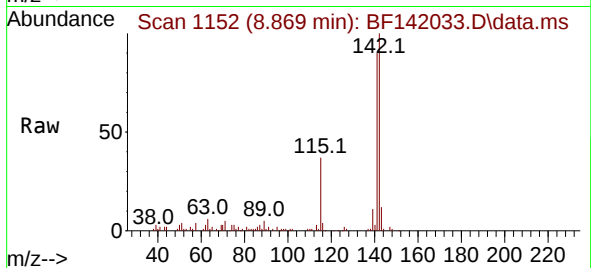
TP-4

Tgt Ion:142 Resp: 49438

Ion Ratio Lower Upper

142 100

141 90.4 71.2 106.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142033.D

Acq: 21 Mar 2025 16:51

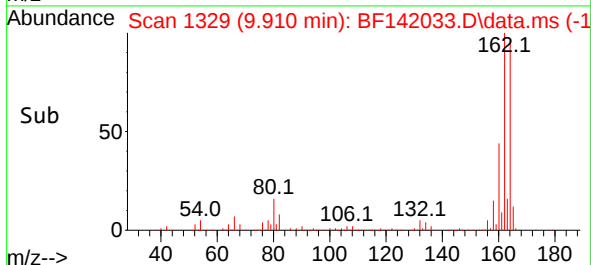
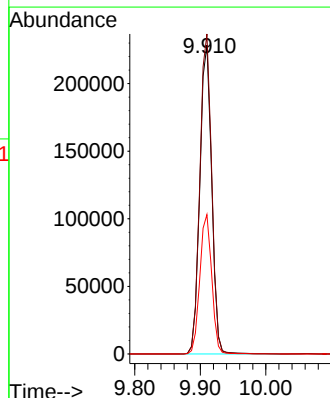
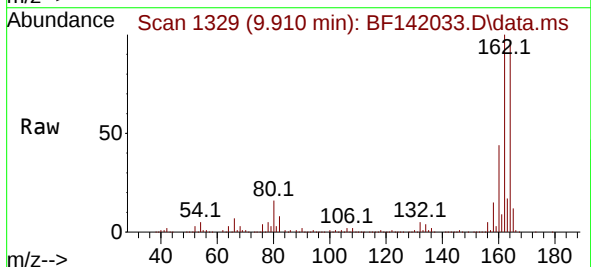
Tgt Ion:164 Resp: 288267

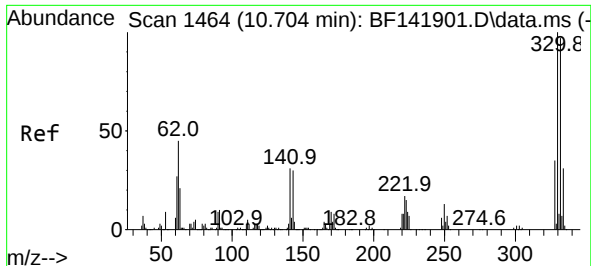
Ion Ratio Lower Upper

164 100

162 103.6 81.8 122.6

160 45.2 36.7 55.1

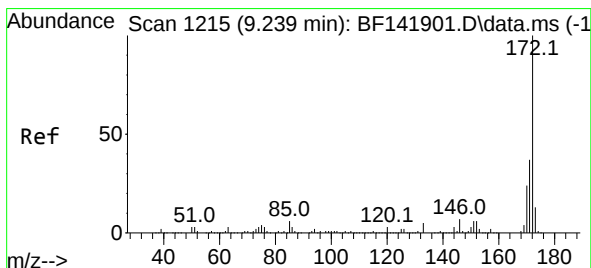
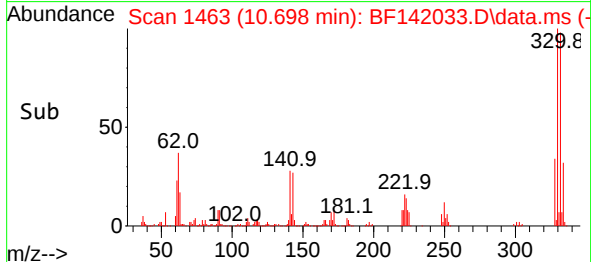
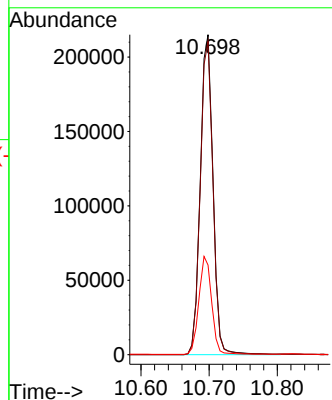
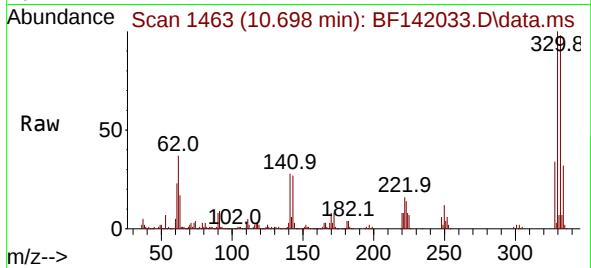




#42
 2,4,6-Tribromophenol
 Concen: 76.338 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. -0.006 min
 Lab File: BF142033.D
 Acq: 21 Mar 2025 16:51

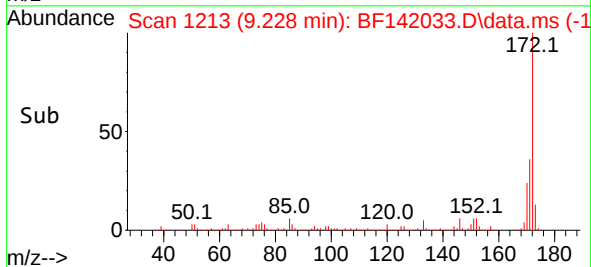
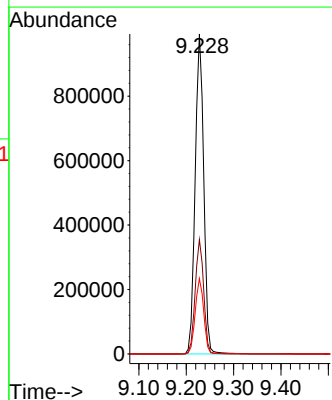
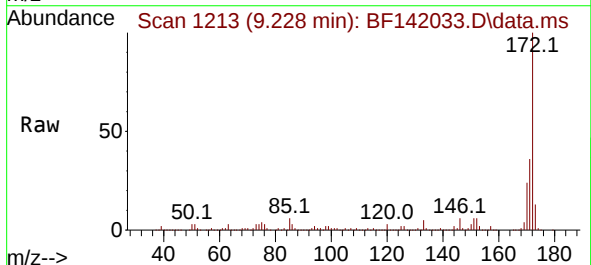
Instrument :
 BNA_F
 ClientSampleId :
 TP-4

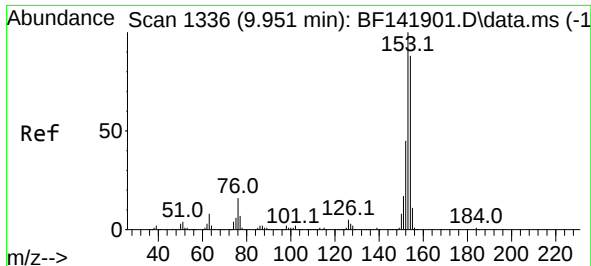
Tgt Ion:330 Resp: 279173
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.6 116.4
 141 30.8 24.7 37.1



#45
 2-Fluorobiphenyl
 Concen: 66.011 ng
 RT: 9.228 min Scan# 1213
 Delta R.T. -0.012 min
 Lab File: BF142033.D
 Acq: 21 Mar 2025 16:51

Tgt Ion:172 Resp: 1251232
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.3 43.9
 170 23.5 19.4 29.0

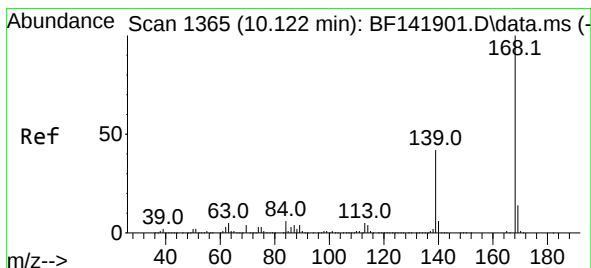
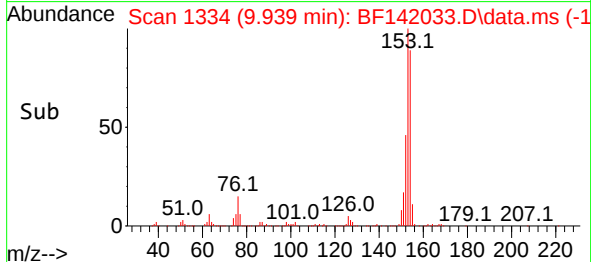
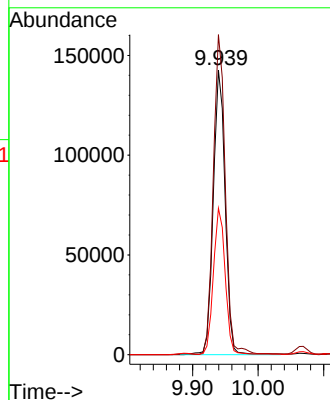
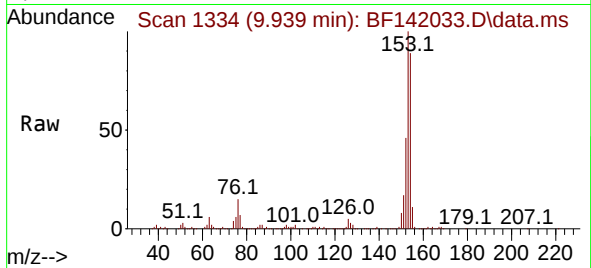




#52
Acenaphthene
Concen: 10.544 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

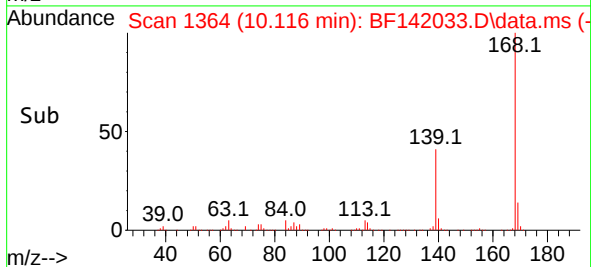
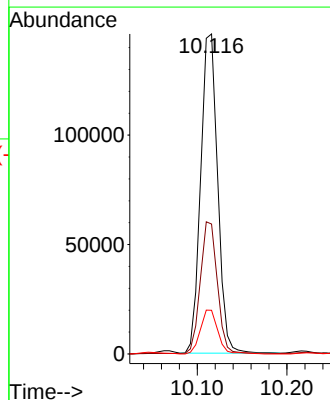
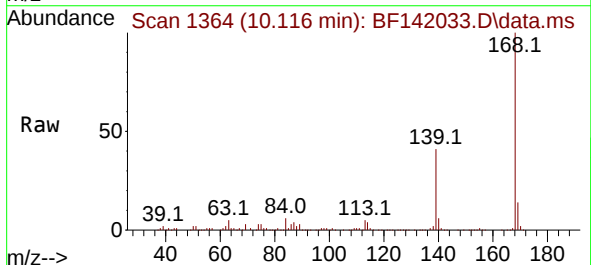
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BNA_F
ClientSampleId :
TP-4

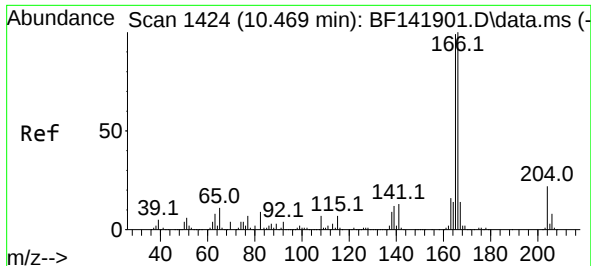
Tgt Ion:154 Resp: 179507
Ion Ratio Lower Upper
154 100
153 112.5 90.7 136.1
152 51.5 41.1 61.7



#55
Dibenzofuran
Concen: 7.890 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion:168 Resp: 191941
Ion Ratio Lower Upper
168 100
139 40.6 33.9 50.9
169 13.7 11.0 16.4

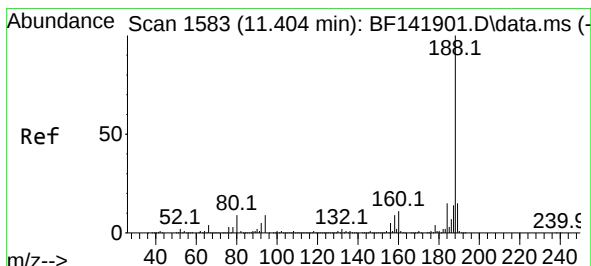
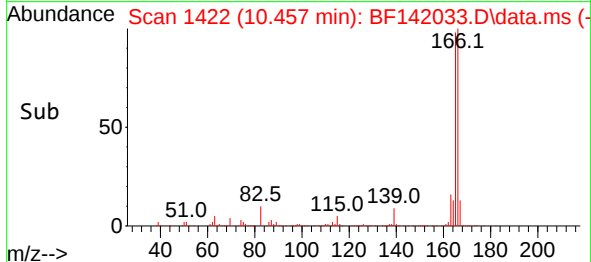
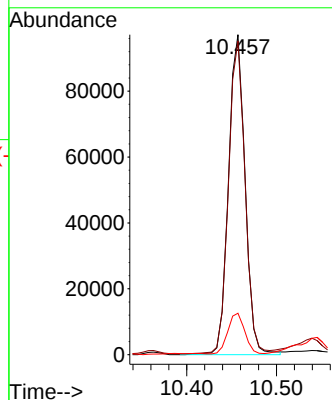
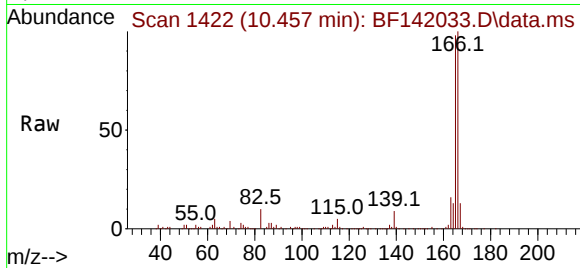




#58
Fluorene
Concen: 6.656 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

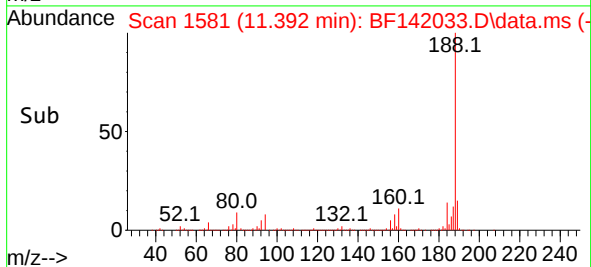
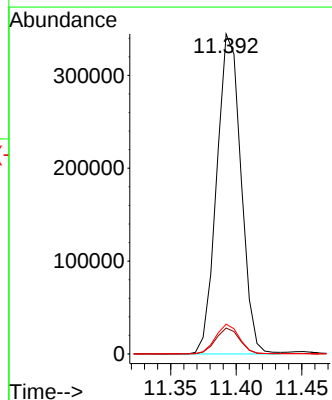
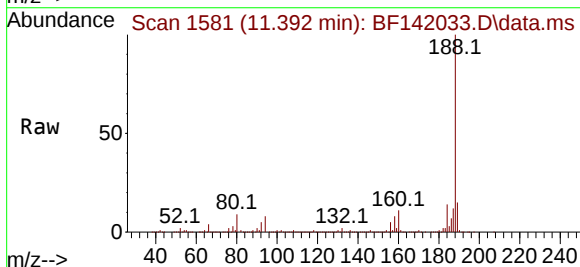
Instrument :
BNA_F
ClientSampleId :
TP-4

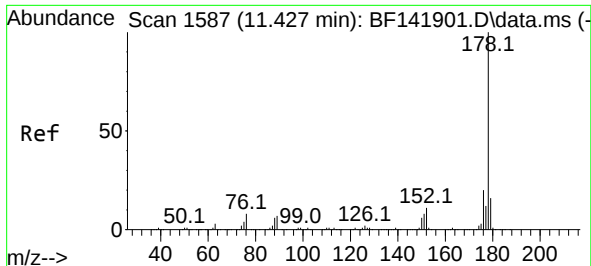
Tgt Ion:166 Resp: 124869
Ion Ratio Lower Upper
166 100
165 98.1 79.0 118.4
167 12.9 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion:188 Resp: 443263
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 9.3 7.6 11.4

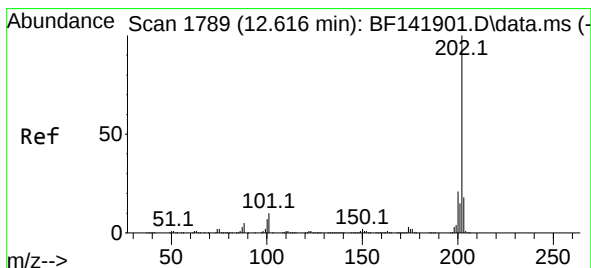
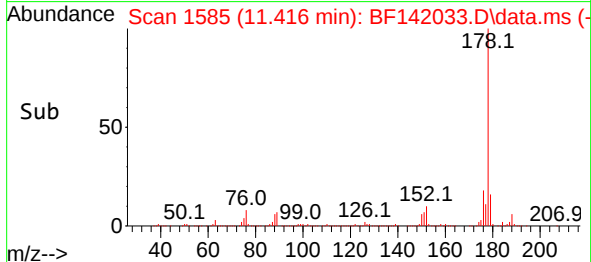
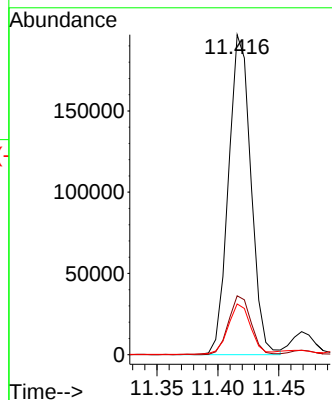
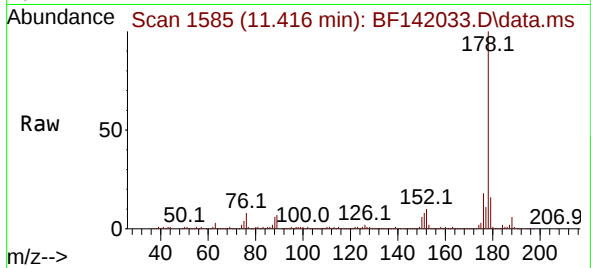




#71
Phenanthrene
Concen: 10.552 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

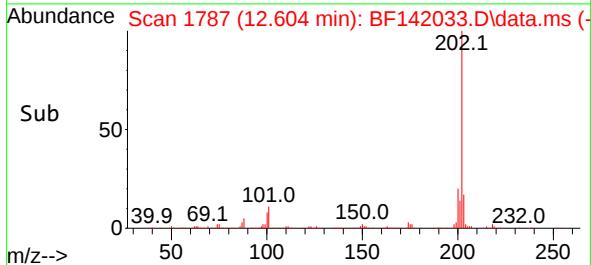
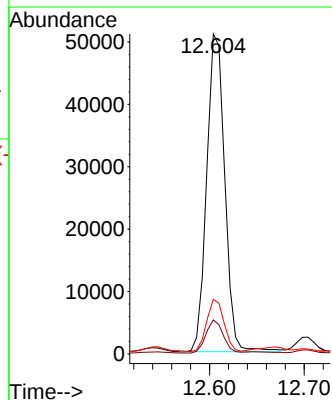
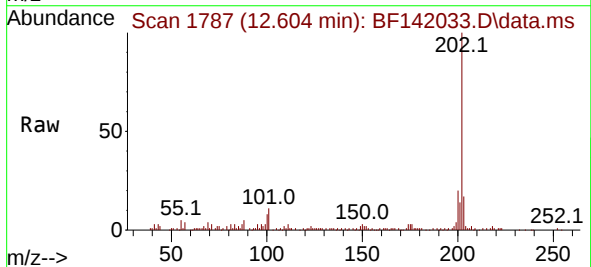
Instrument :
BNA_F
ClientSampleId :
TP-4

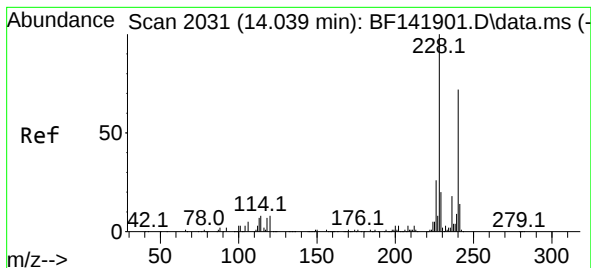
Tgt Ion:178 Resp: 252640
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.8 12.6 19.0



#75
Fluoranthene
Concen: 2.666 ng
RT: 12.604 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF142033.D
Acq: 21 Mar 2025 16:51

Tgt Ion:202 Resp: 67718
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.7
203 17.1 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142033.D

Acq: 21 Mar 2025 16:51

Instrument :

BNA_F

ClientSampleId :

TP-4

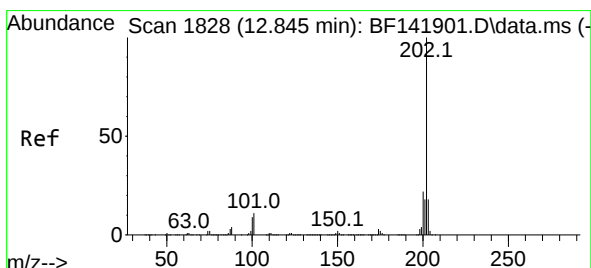
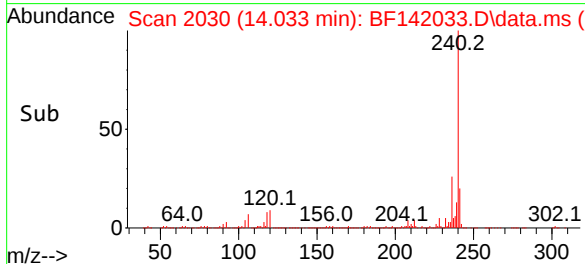
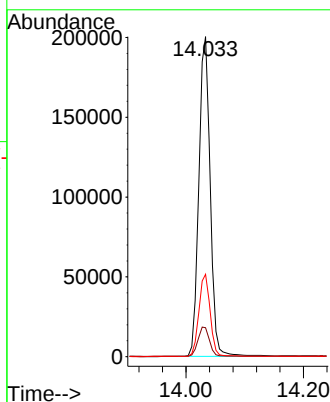
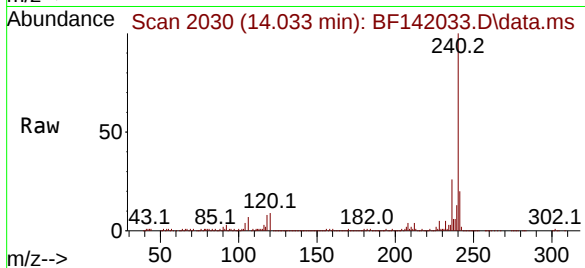
Tgt Ion:240 Resp: 268691

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 25.8 20.5 30.7



#78

Pyrene

Concen: 2.816 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142033.D

Acq: 21 Mar 2025 16:51

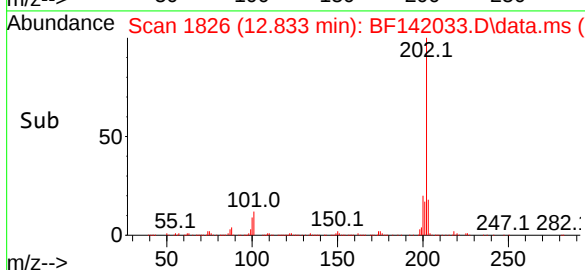
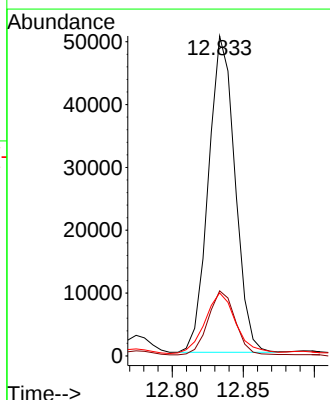
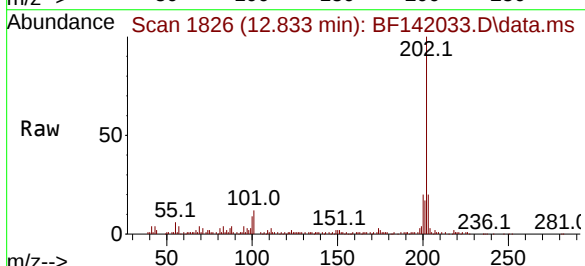
Tgt Ion:202 Resp: 65452

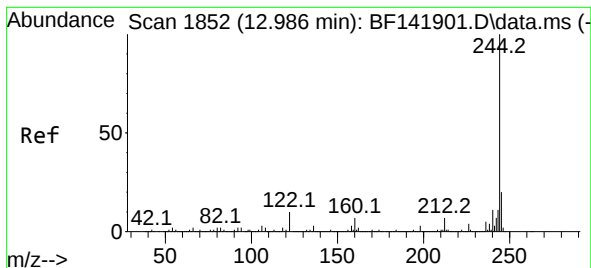
Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

203 19.7 14.4 21.6





#79

Terphenyl-d14

Concen: 61.941 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142033.D

Acq: 21 Mar 2025 16:51

Instrument :

BNA_F

ClientSampleId :

TP-4

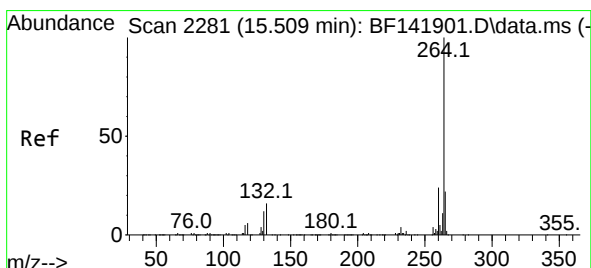
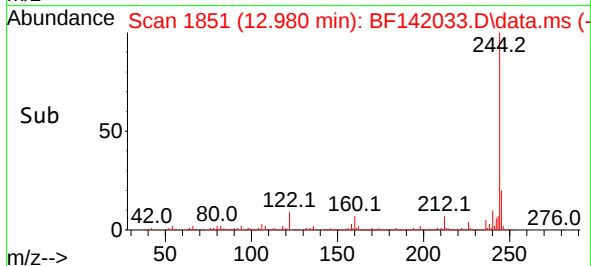
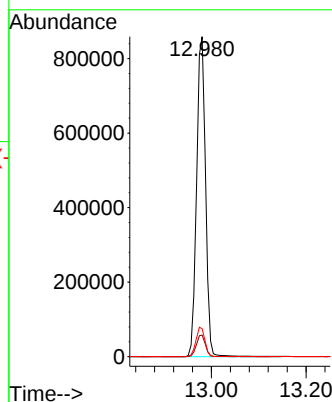
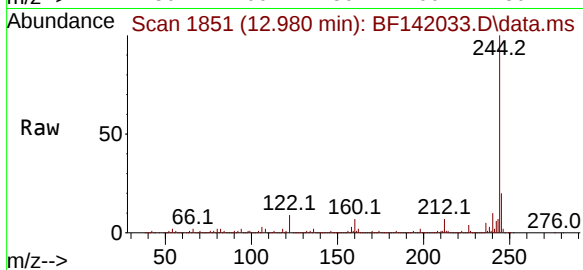
Tgt Ion:244 Resp: 1125704

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 8.7 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: BF142033.D

Acq: 21 Mar 2025 16:51

Tgt Ion:264 Resp: 309109

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.5 17.5 26.3

