

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142368.D
 Acq On : 14 May 2025 16:17
 Operator : RC/JU
 Sample : Q2014-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0145

Quant Time: May 14 16:41:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

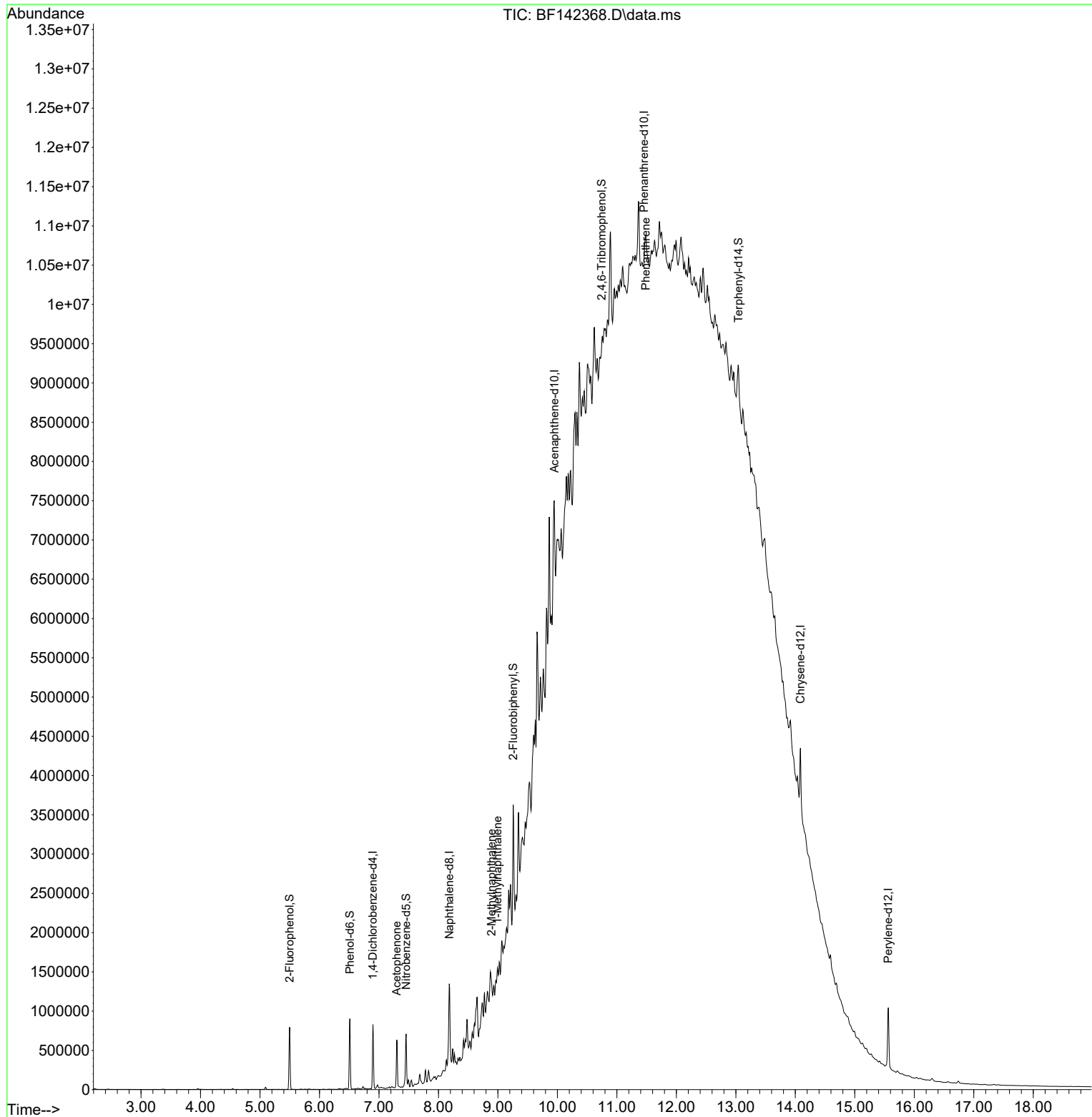
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	173007	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	655563	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	259194	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	248021	20.000	ng	# 0.02
76) Chrysene-d12	14.086	240	401308	20.000	ng	0.02
86) Perylene-d12	15.563	264	466218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	291361	28.749	ng	-0.01
7) Phenol-d6	6.510	99	388216	31.145	ng	-0.01
23) Nitrobenzene-d5	7.457	82	265839	24.731	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	95784	38.276	ng	0.01
45) 2-Fluorobiphenyl	9.257	172	592888	32.616	ng	0.00
79) Terphenyl-d14	13.045	244	391082	14.424	ng	0.03
Target Compounds						
22) Acetophenone	7.298	105	242276	16.621	ng	# 94
37) 2-Methylnaphthalene	8.892	142	69327	3.512	ng	99
38) 1-Methylnaphthalene	8.992	142	49788	2.420	ng	95
71) Phenanthrene	11.486	178	386321	29.716	ng	# 71

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

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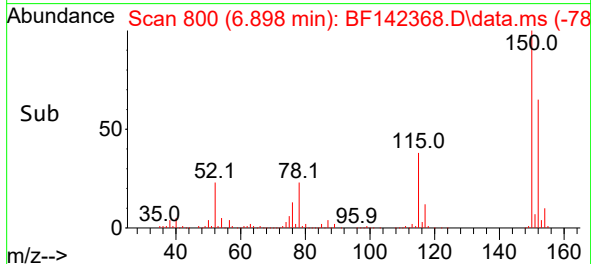
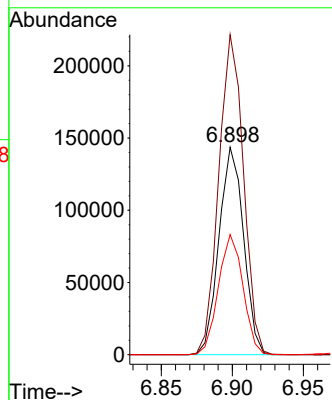
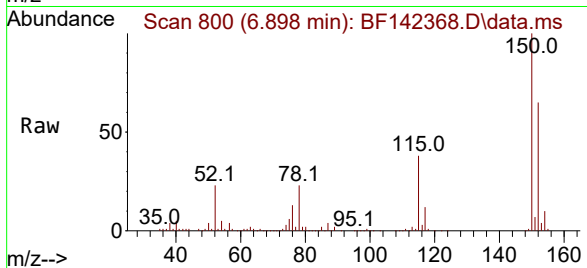




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

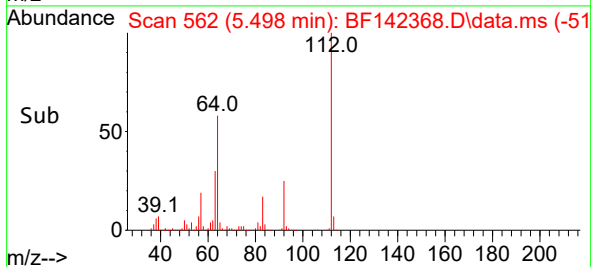
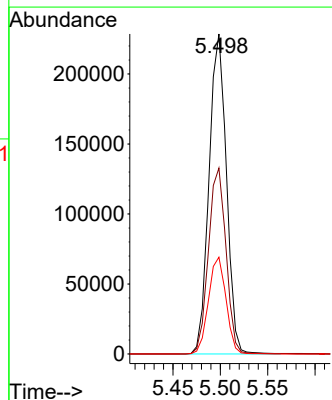
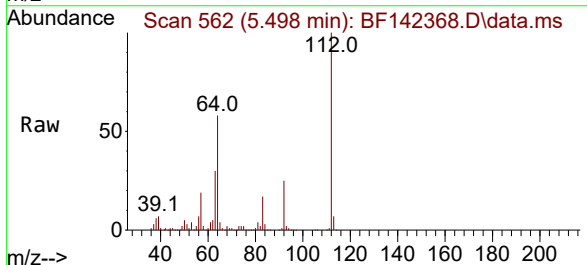
Instrument :
BNA_F
ClientSampleId :
MOO-25-0145

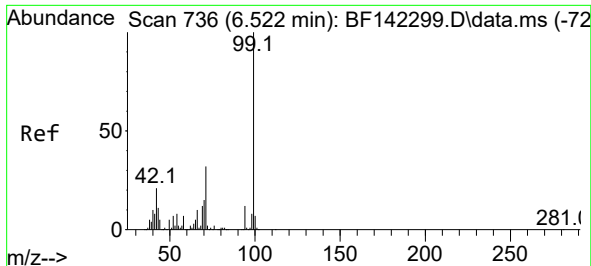
Tgt Ion:152 Resp: 173007
Ion Ratio Lower Upper
152 100
150 154.3 126.6 190.0
115 58.0 47.3 70.9



#5
2-Fluorophenol
Concen: 28.749 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

Tgt Ion:112 Resp: 291361
Ion Ratio Lower Upper
112 100
64 58.1 48.9 73.3
63 30.3 25.6 38.4

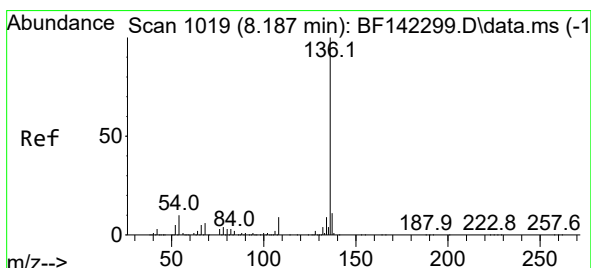
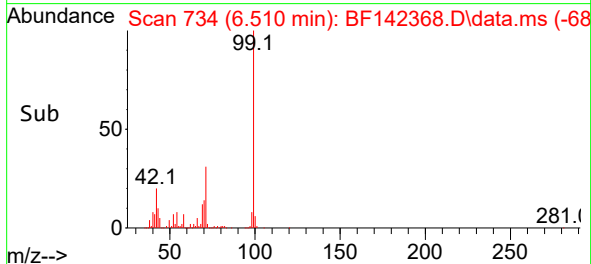
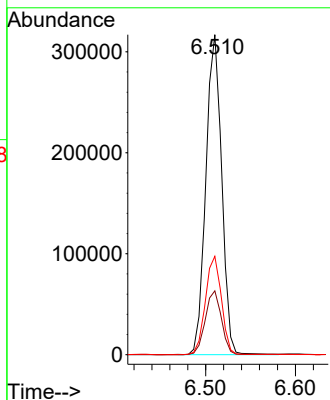
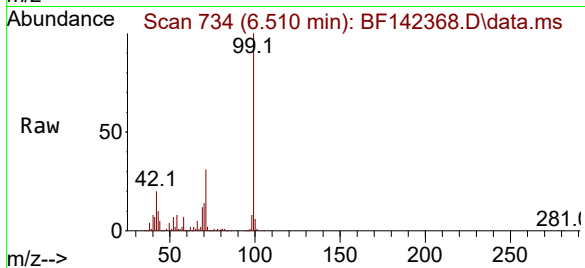




#7
Phenol-d6
Concen: 31.145 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

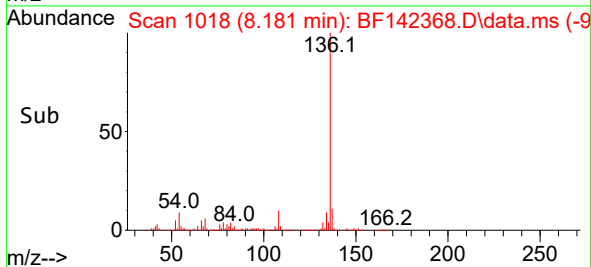
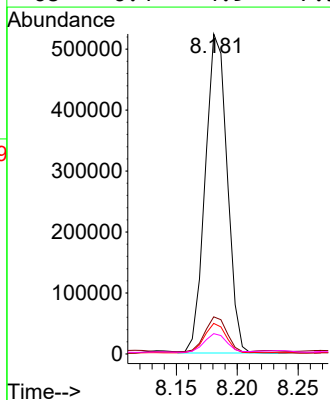
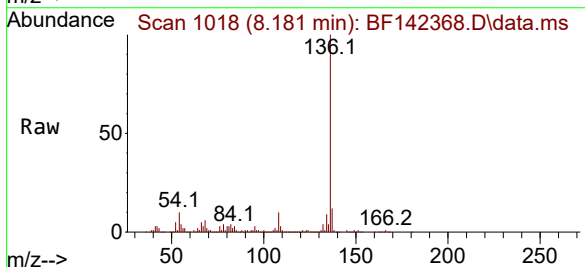
Instrument :
BNA_F
ClientSampleId :
MOO-25-0145

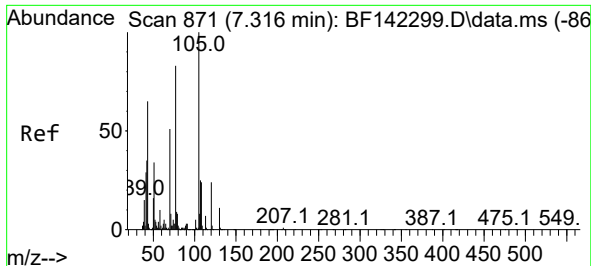
Tgt Ion: 99 Resp: 388216
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.4
71 30.7 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

Tgt Ion: 136 Resp: 655563
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 9.6 7.7 11.5
68 6.4 4.9 7.3

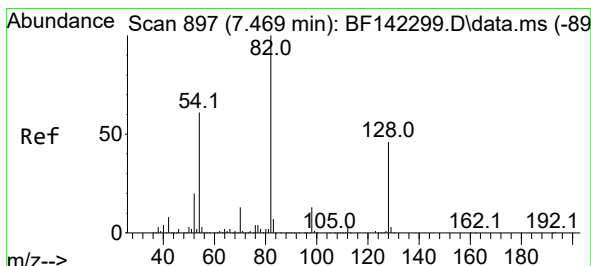
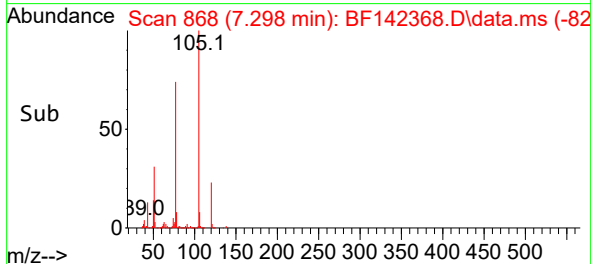
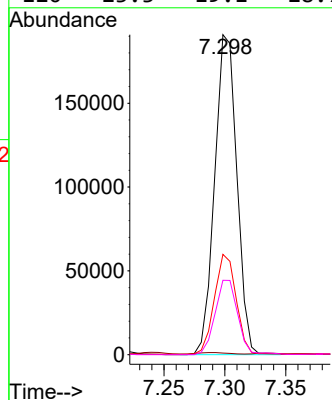
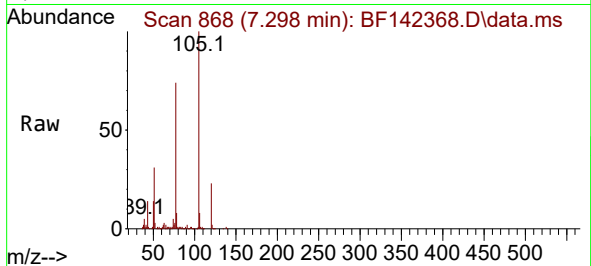




#22
Acetophenone
Concen: 16.621 ng
RT: 7.298 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

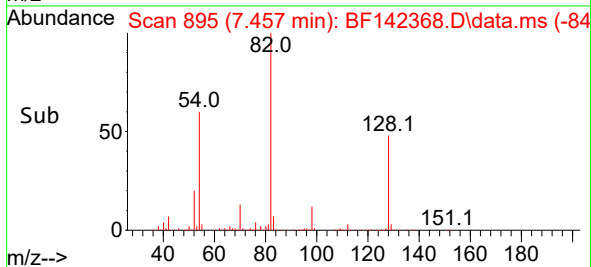
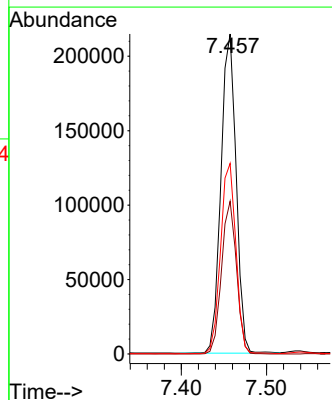
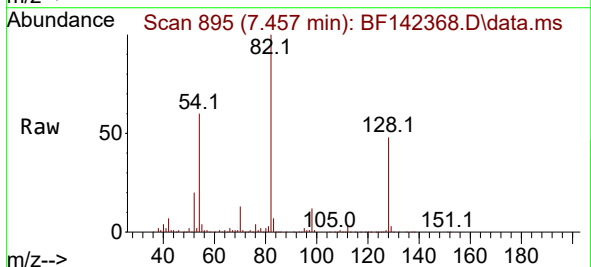
Instrument :
BNA_F
ClientSampleId :
MOO-25-0145

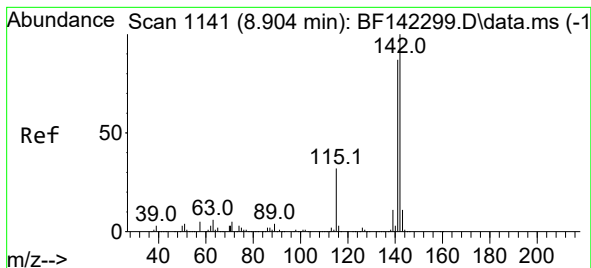
Tgt Ion:105 Resp: 242276
Ion Ratio Lower Upper
105 100
71 0.5 6.7 10.1#
51 31.4 27.6 41.4
120 23.3 19.1 28.7



#23
Nitrobenzene-d5
Concen: 24.731 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

Tgt Ion: 82 Resp: 265839
Ion Ratio Lower Upper
82 100
128 47.7 37.0 55.6
54 59.6 48.6 73.0





#37

2-Methylnaphthalene

Concen: 3.512 ng

RT: 8.892 min Scan# 1139

Delta R.T. -0.012 min

Lab File: BF142368.D

Acq: 14 May 2025 16:17

Instrument :

BNA_F

ClientSampleId :

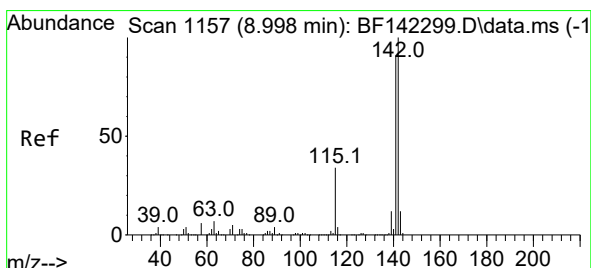
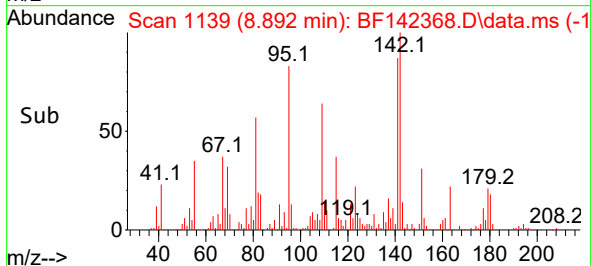
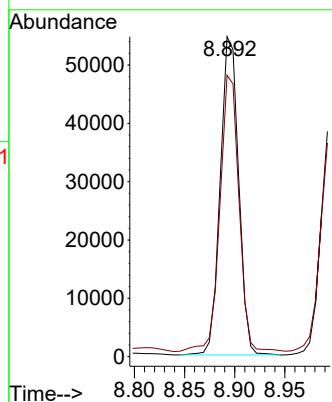
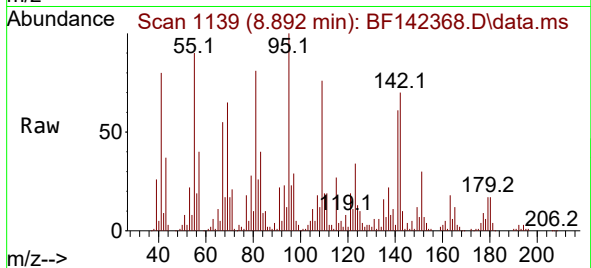
MOO-25-0145

Tgt Ion:142 Resp: 69327

Ion Ratio Lower Upper

142 100

141 87.9 69.4 104.2



#38

1-Methylnaphthalene

Concen: 2.420 ng

RT: 8.992 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF142368.D

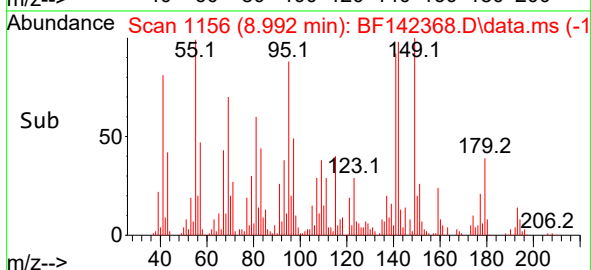
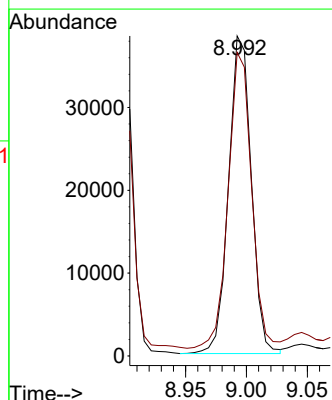
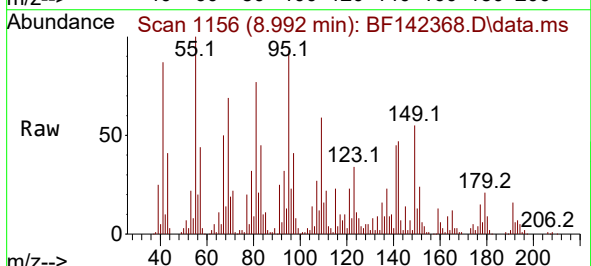
Acq: 14 May 2025 16:17

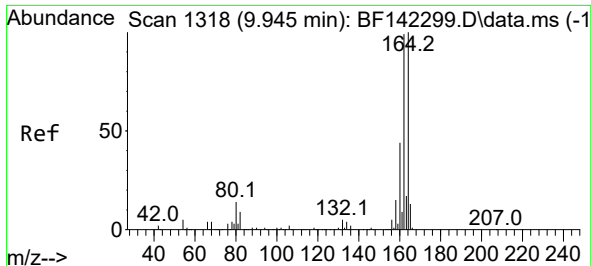
Tgt Ion:142 Resp: 49788

Ion Ratio Lower Upper

142 100

141 94.9 72.5 108.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.951 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142368.D

Acq: 14 May 2025 16:17

Instrument :

BNA_F

ClientSampleId :

MOO-25-0145

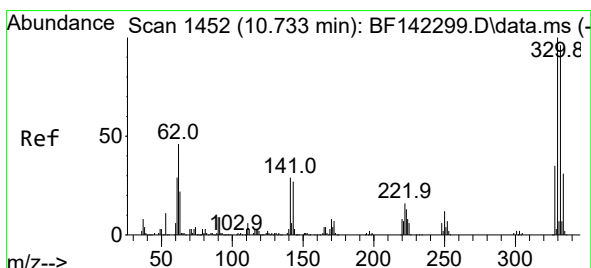
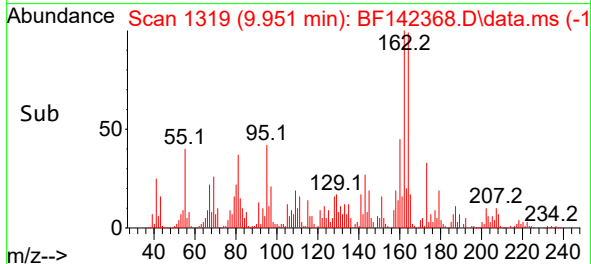
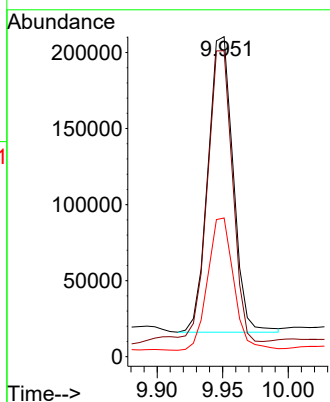
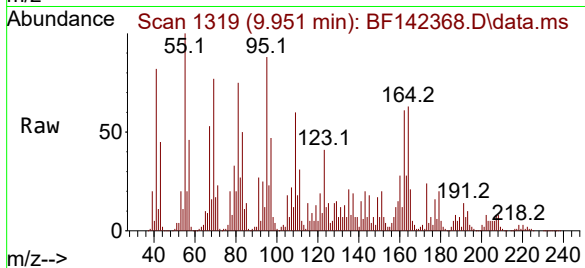
Tgt Ion:164 Resp: 259194

Ion Ratio Lower Upper

164 100

162 95.6 79.2 118.8

160 43.3 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 38.276 ng

RT: 10.745 min Scan# 1454

Delta R.T. 0.012 min

Lab File: BF142368.D

Acq: 14 May 2025 16:17

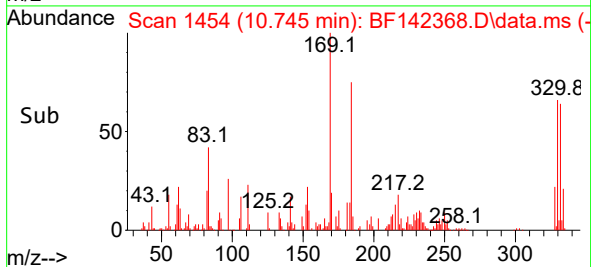
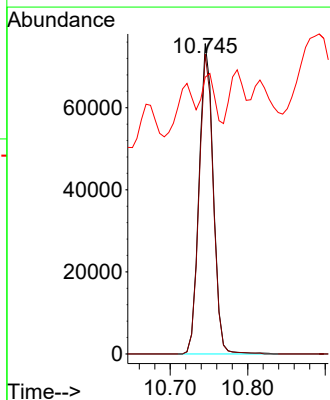
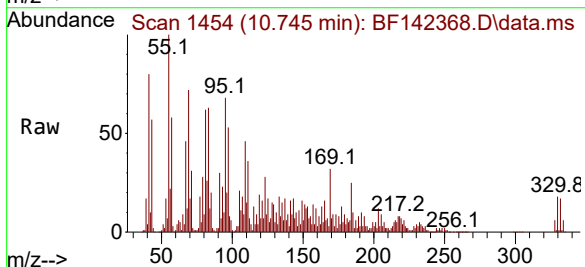
Tgt Ion:330 Resp: 95784

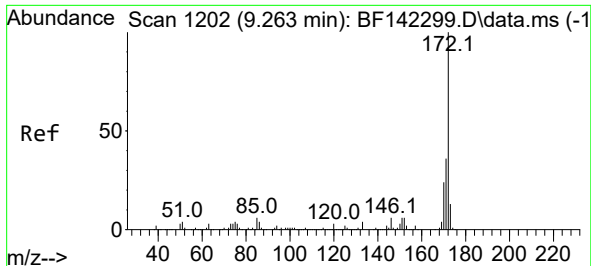
Ion Ratio Lower Upper

330 100

332 96.6 76.8 115.2

141 13.5 24.9 37.3#

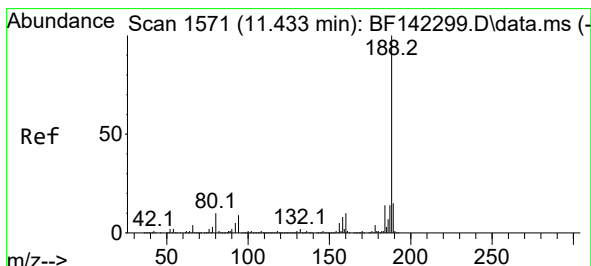
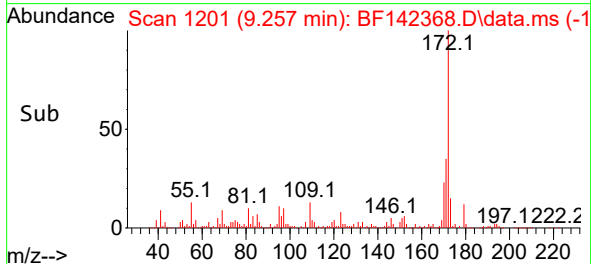
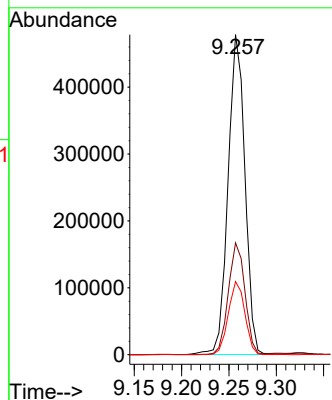
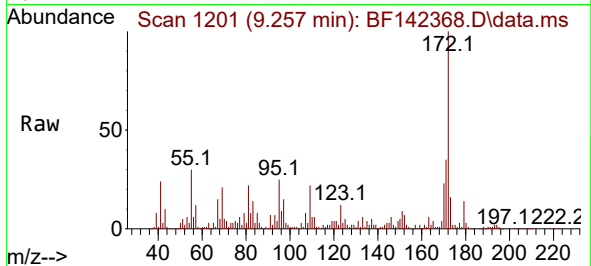




#45
2-Fluorobiphenyl
Concen: 32.616 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

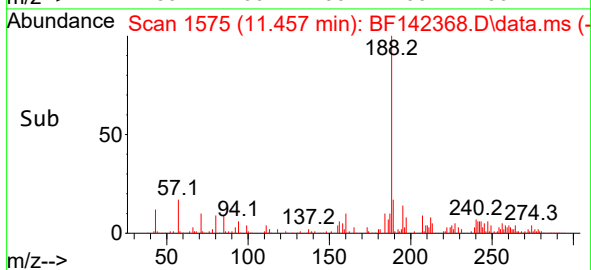
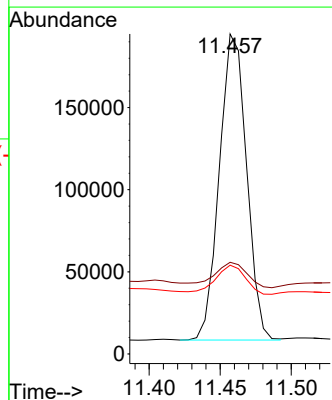
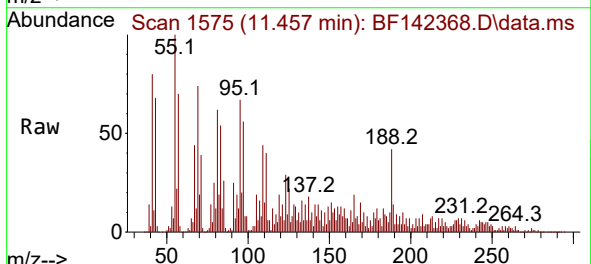
Instrument :
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MOO-25-0145

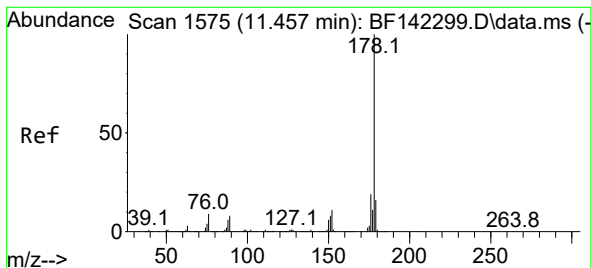
Tgt Ion:172 Resp: 592888
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 22.9 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.024 min
Lab File: BF142368.D
Acq: 14 May 2025 16:17

Tgt Ion:188 Resp: 248021
Ion Ratio Lower Upper
188 100
94 28.7 7.5 11.3#
80 27.8 7.9 11.9#





#71

Phenanthrene

Concen: 29.716 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF142368.D

Acq: 14 May 2025 16:17

Instrument :

BNA_F

ClientSampleId :

MOO-25-0145

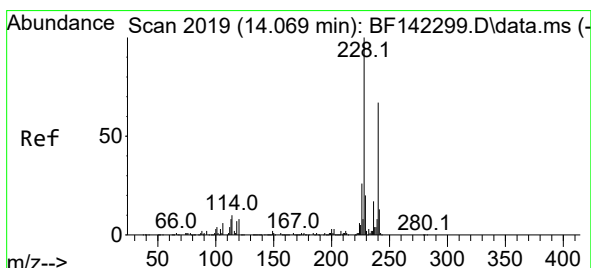
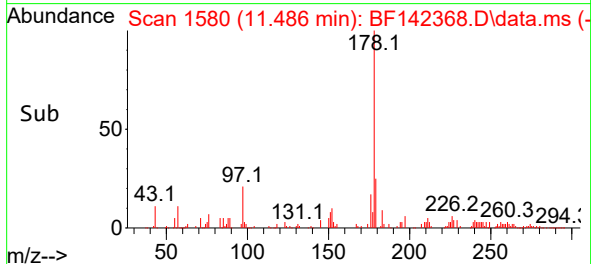
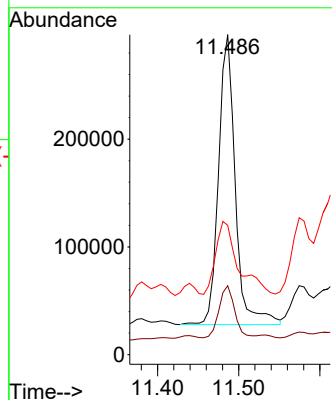
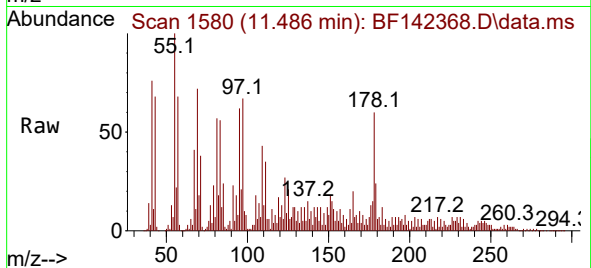
Tgt Ion:178 Resp: 386321

Ion Ratio Lower Upper

178 100

176 21.5 15.5 23.3

179 40.4 12.6 18.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.018 min

Lab File: BF142368.D

Acq: 14 May 2025 16:17

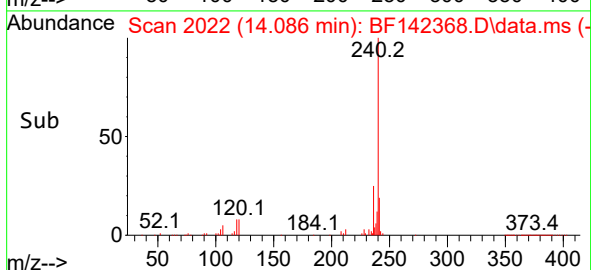
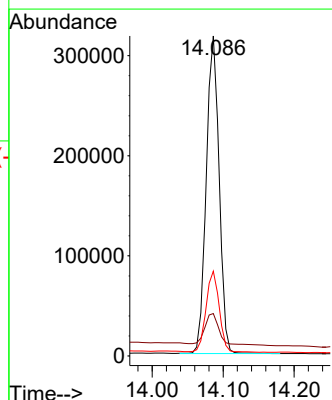
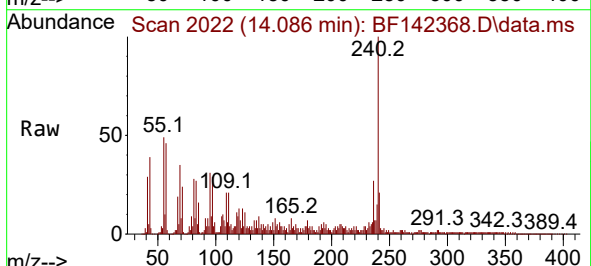
Tgt Ion:240 Resp: 401308

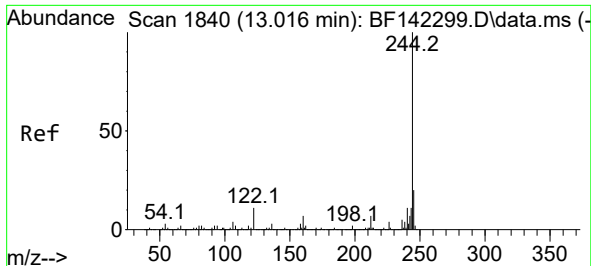
Ion Ratio Lower Upper

240 100

120 13.3 9.7 14.5

236 26.5 20.0 30.0

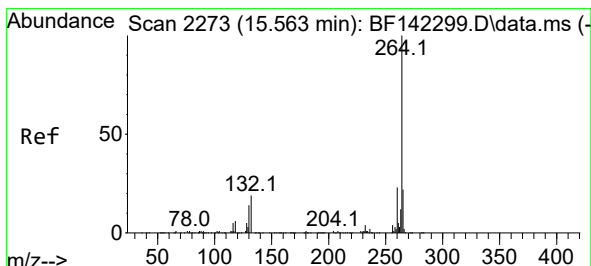
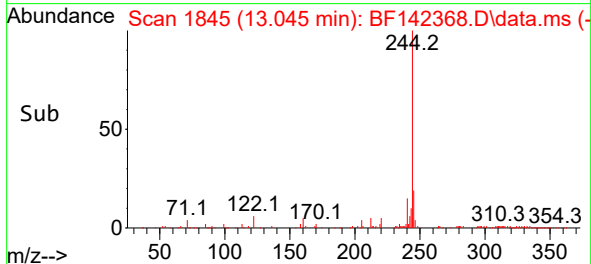
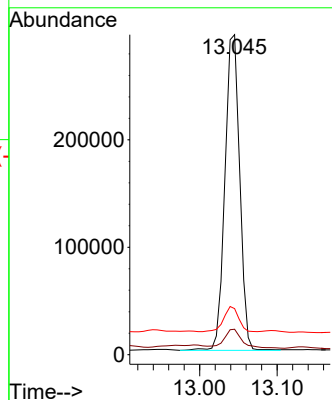
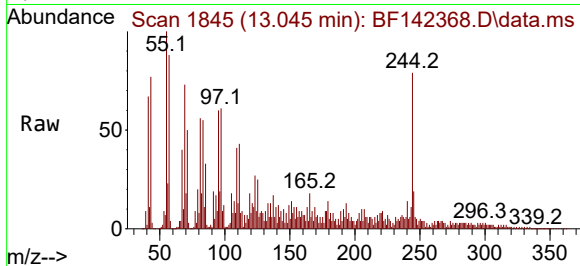




#79
 Terphenyl-d14
 Concen: 14.424 ng
 RT: 13.045 min Scan# 1845
 Delta R.T. 0.029 min
 Lab File: BF142368.D
 Acq: 14 May 2025 16:17

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0145

Tgt Ion:244 Resp: 391082
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.4 8.2
 122 14.4 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.000 min
 Lab File: BF142368.D
 Acq: 14 May 2025 16:17

Tgt Ion:264 Resp: 466218
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 27.8
 265 21.9 17.5 26.3

