

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141220.D
 Acq On : 20 Jan 2025 14:13
 Operator : RC/JU
 Sample : Q1109-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TAPIAL1-MW04S-011525-00-T2

Quant Time: Jan 20 14:58:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

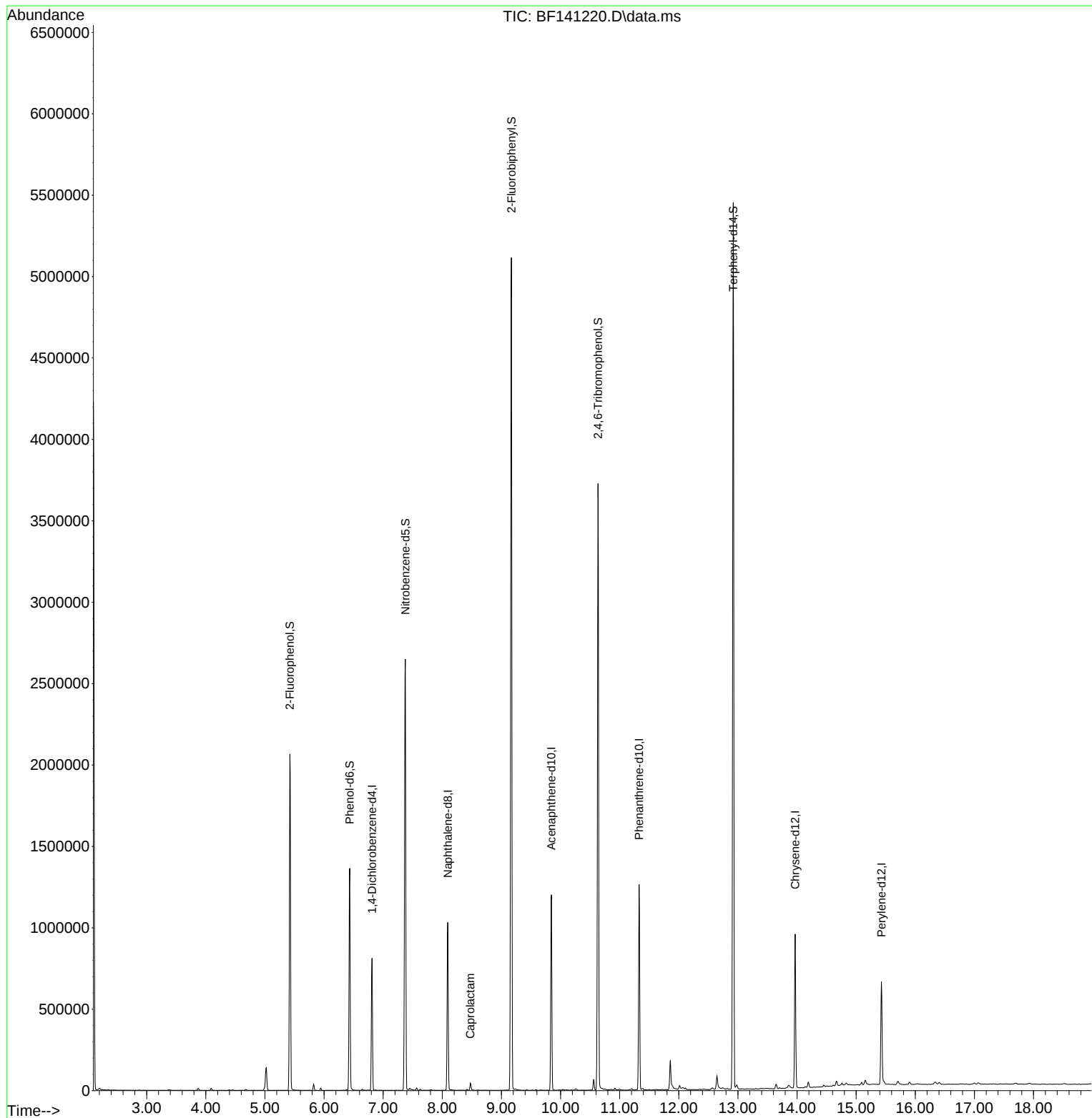
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	168653	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	674085	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	366570	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	632498	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	448689	20.000	ng	-0.02
86) Perylene-d12	15.427	264	364729	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	813174	74.484	ng	0.00
7) Phenol-d6	6.434	99	642974	46.494	ng	-0.01
23) Nitrobenzene-d5	7.375	82	1342653	105.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	736362	176.297	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	2396135	99.817	ng	-0.01
79) Terphenyl-d14	12.922	244	2808633	93.037	ng	-0.01
Target Compounds						
35) Caprolactam	8.475	113	6883	2.177	ng	Qvalue 97

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

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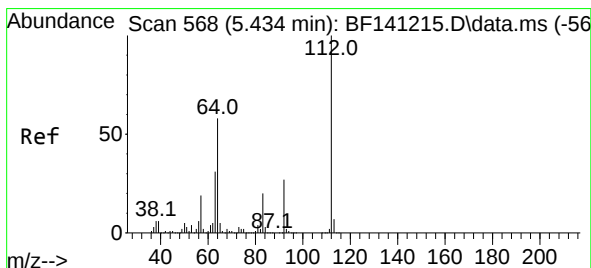
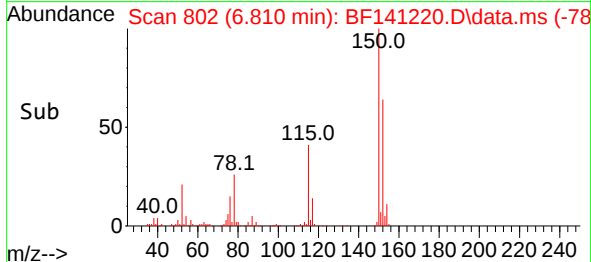
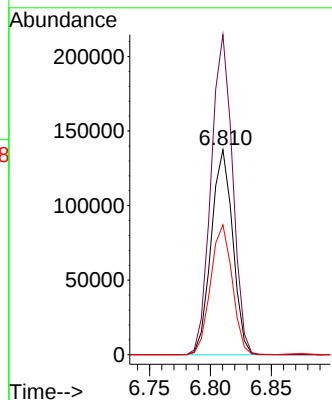
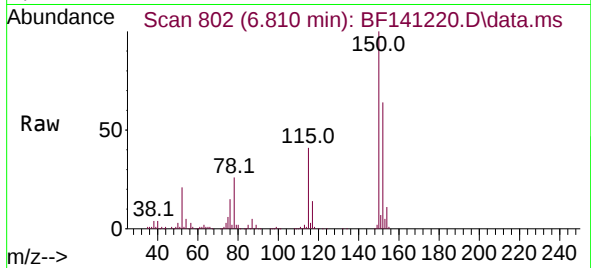




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

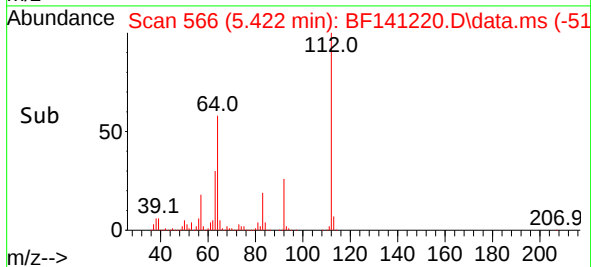
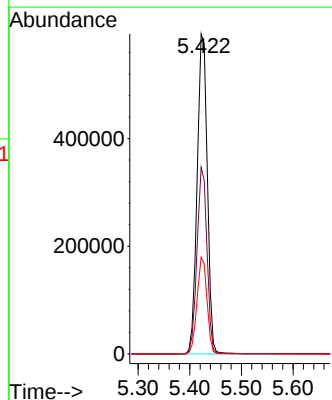
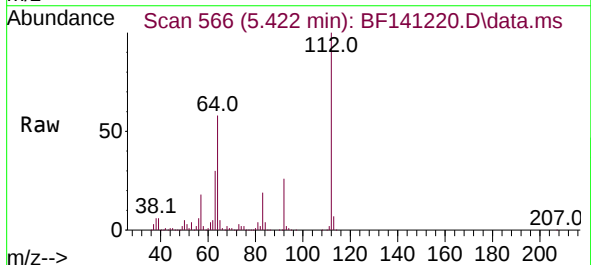
Instrument :
BNA_F
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

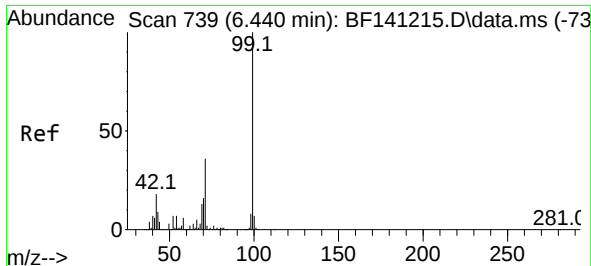
Tgt Ion:152 Resp: 168653
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.8
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 74.484 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

Tgt Ion:112 Resp: 813174
Ion Ratio Lower Upper
112 100
64 58.3 47.3 70.9
63 30.2 24.2 36.2

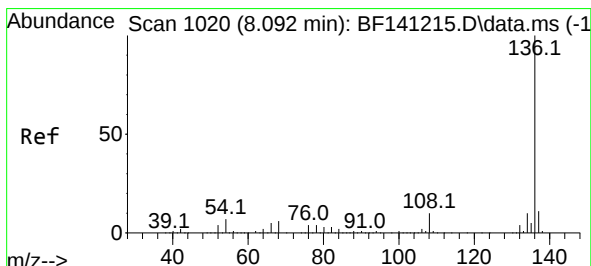
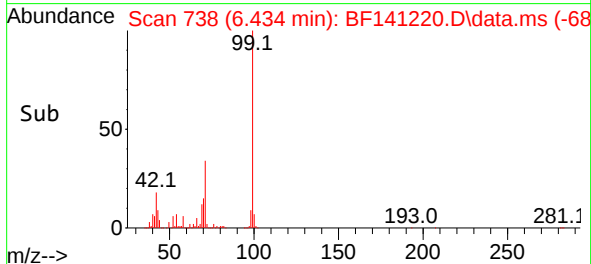
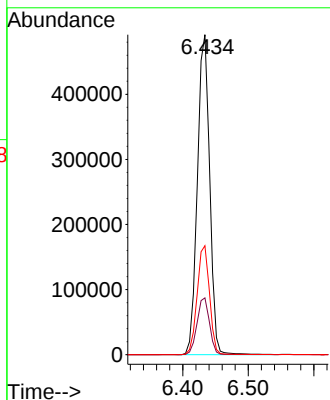
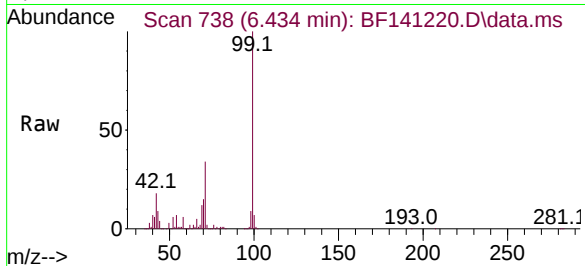




#7
Phenol-d6
Concen: 46.494 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

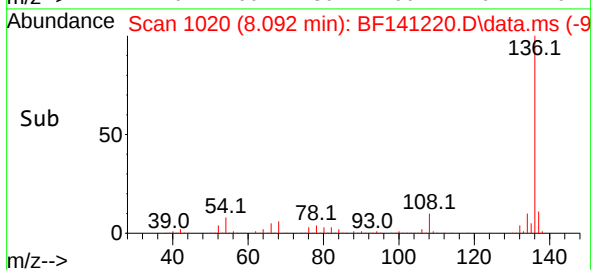
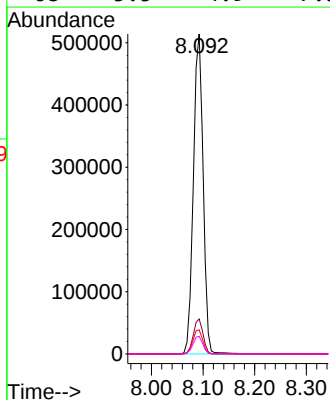
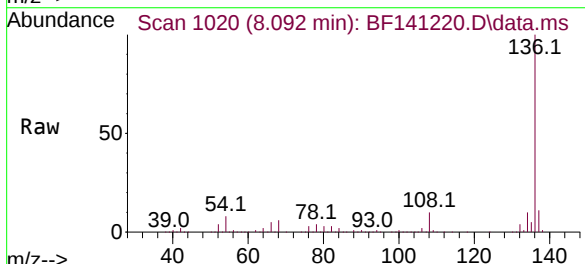
Instrument :
BNA_F
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

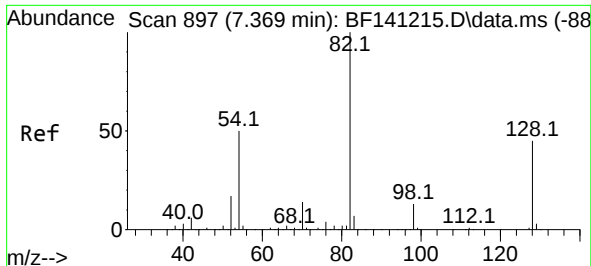
Tgt Ion: 99 Resp: 642974
Ion Ratio Lower Upper
99 100
42 17.8 15.0 22.4
71 34.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

Tgt Ion: 136 Resp: 674085
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.6 6.3 9.5
68 5.5 4.9 7.3

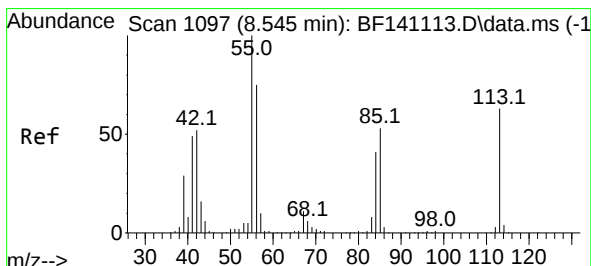
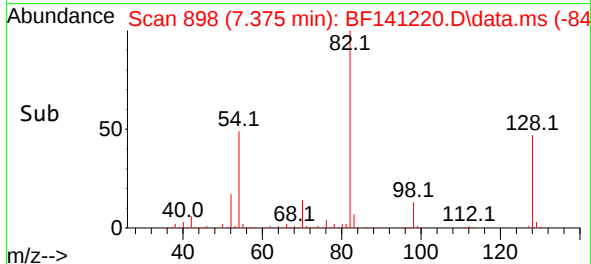
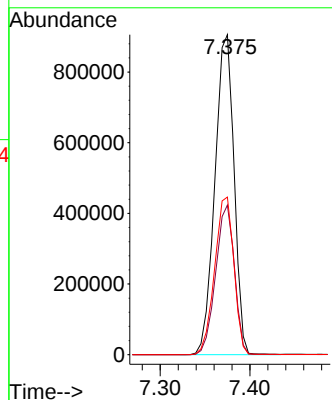
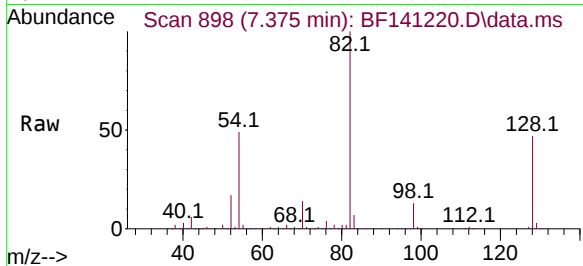




#23
Nitrobenzene-d5
Concen: 105.583 ng
RT: 7.375 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

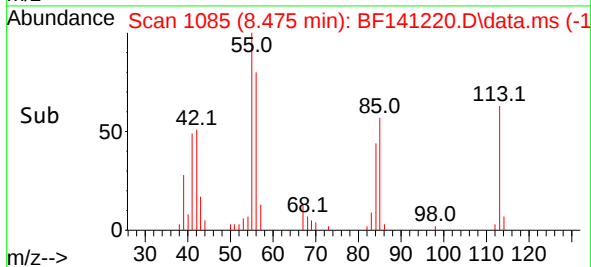
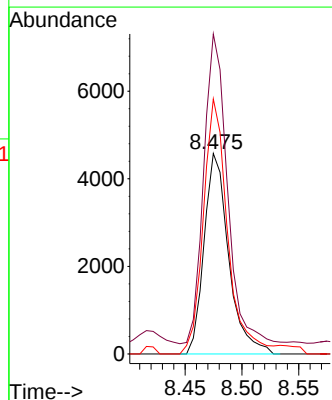
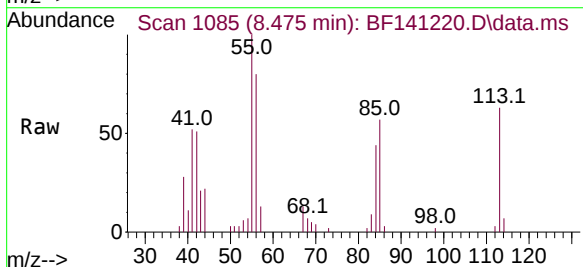
Instrument :
BNA_F
ClientSampleId :
TAPIAL1-MW04S-011525-00-T2

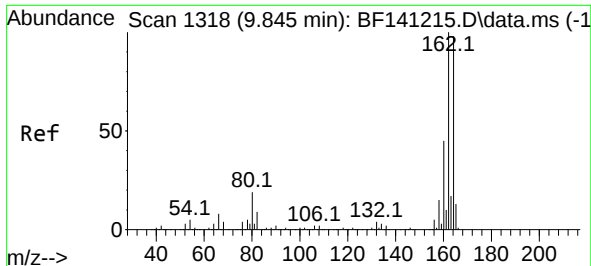
Tgt Ion: 82 Resp: 1342653
Ion Ratio Lower Upper
82 100
128 46.7 36.1 54.1
54 49.2 41.0 61.4



#35
Caprolactam
Concen: 2.177 ng
RT: 8.475 min Scan# 1085
Delta R.T. -0.071 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

Tgt Ion: 113 Resp: 6883
Ion Ratio Lower Upper
113 100
55 159.6 139.7 179.7
56 127.2 99.4 139.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141220.D

Acq: 20 Jan 2025 14:13

Instrument :

BNA_F

ClientSampleId :

TAPIAL1-MW04S-011525-00-T2

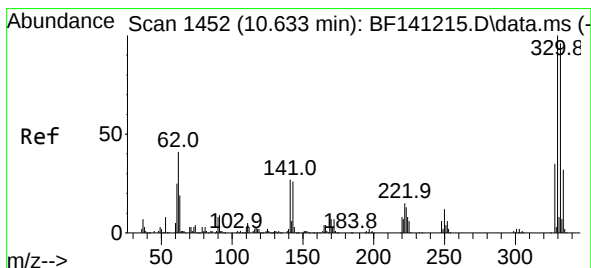
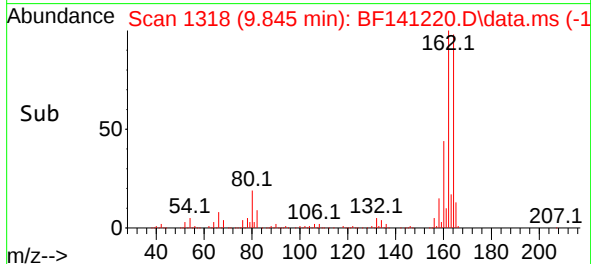
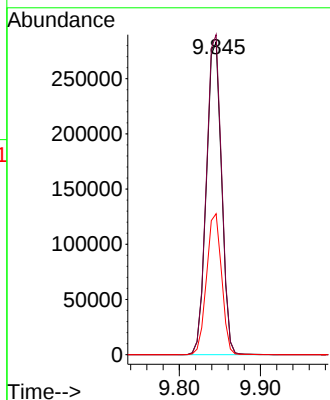
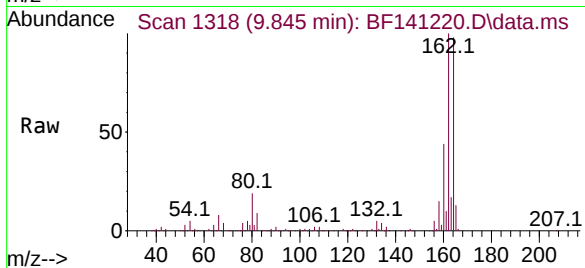
Tgt Ion:164 Resp: 366570

Ion Ratio Lower Upper

164 100

162 102.3 81.0 121.4

160 45.1 36.1 54.1



#42

2,4,6-Tribromophenol

Concen: 176.297 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF141220.D

Acq: 20 Jan 2025 14:13

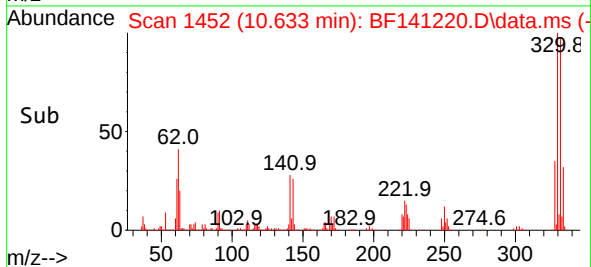
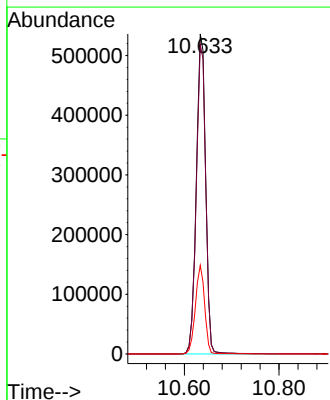
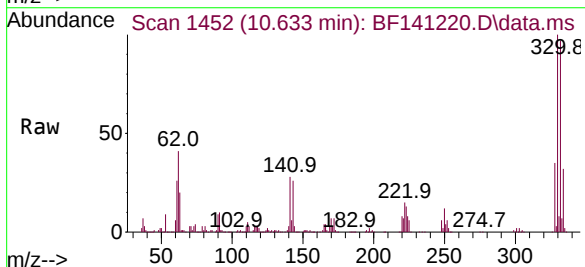
Tgt Ion:330 Resp: 736362

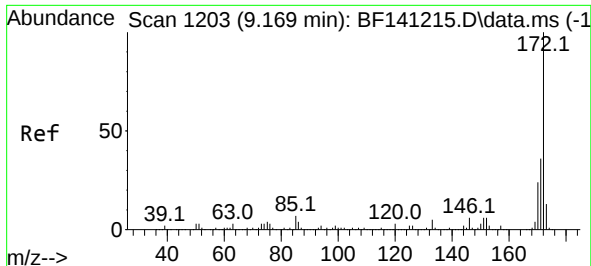
Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 27.6 25.2 37.8

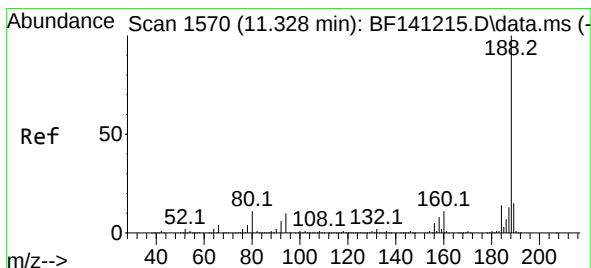
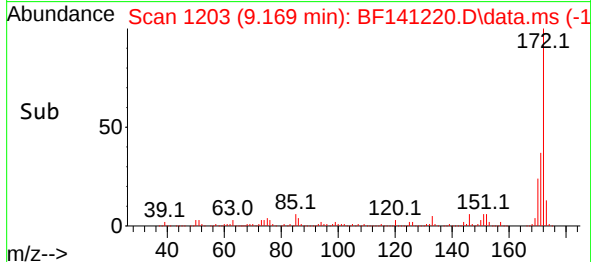
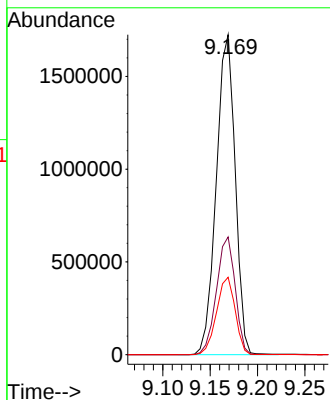
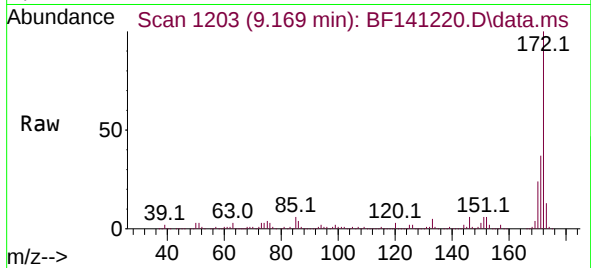




#45
2-Fluorobiphenyl
Concen: 99.817 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

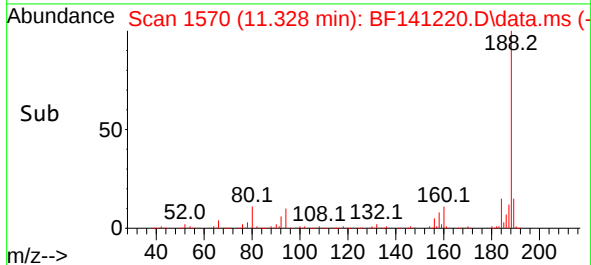
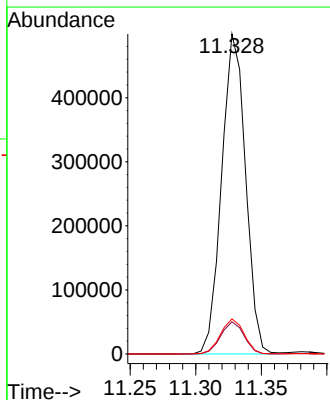
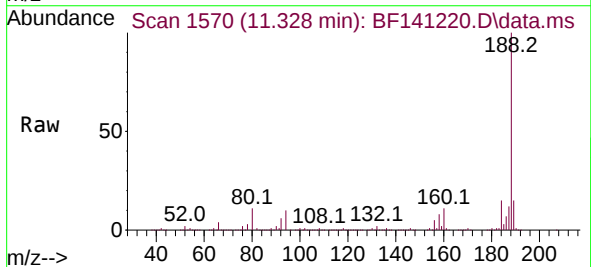
Instrument :
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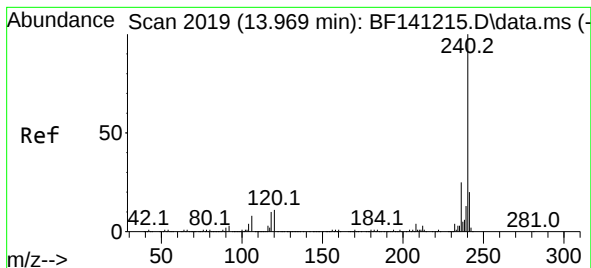
Tgt Ion:172 Resp: 2396135
Ion Ratio Lower Upper
172 100
171 36.8 28.7 43.1
170 24.2 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141220.D
Acq: 20 Jan 2025 14:13

Tgt Ion:188 Resp: 632498
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.0 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141220.D

Acq: 20 Jan 2025 14:13

Instrument :

BNA_F

ClientSampleId :

TAPIAL1-MW04S-011525-00-T2

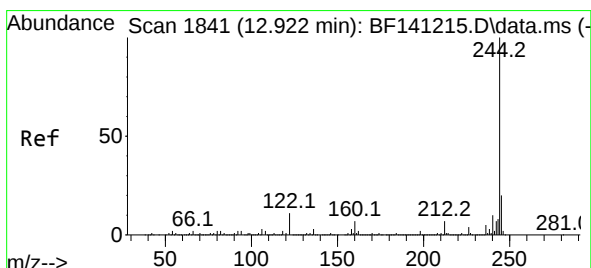
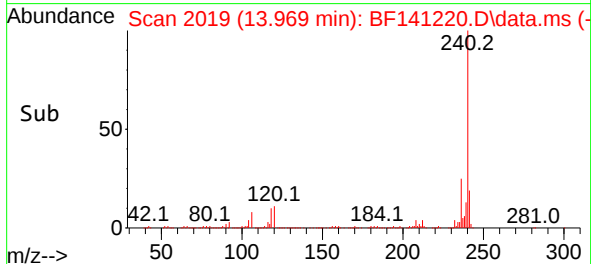
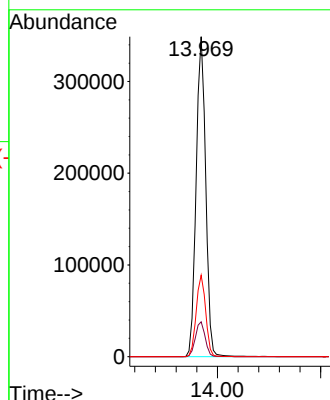
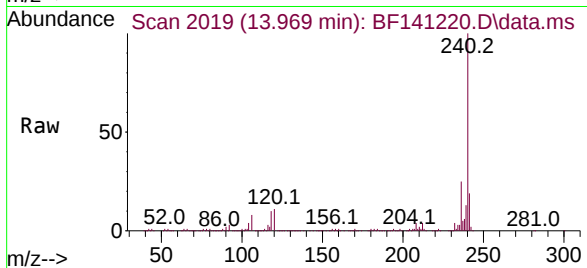
Tgt Ion:240 Resp: 448689

Ion Ratio Lower Upper

240 100

120 10.9 9.1 13.7

236 25.5 19.8 29.6



#79

Terphenyl-d14

Concen: 93.037 ng

RT: 12.922 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF141220.D

Acq: 20 Jan 2025 14:13

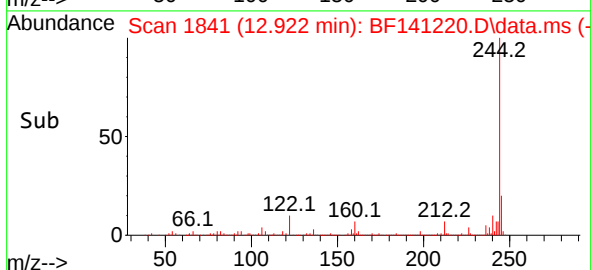
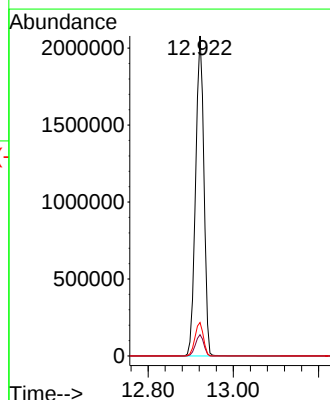
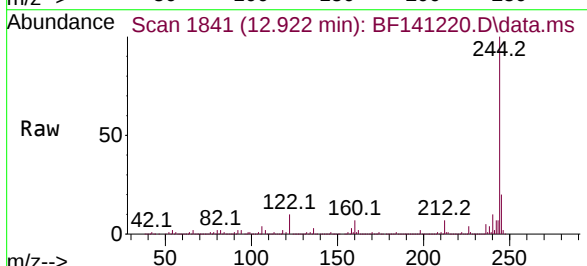
Tgt Ion:244 Resp: 2808633

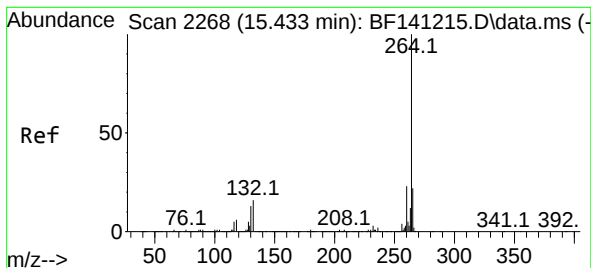
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.5 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141220.D

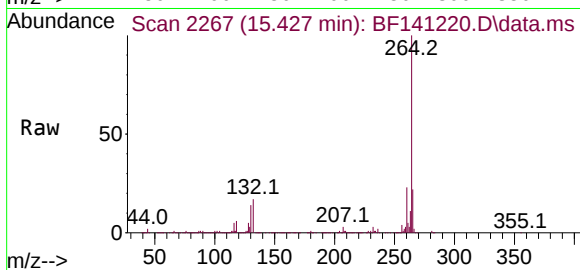
Acq: 20 Jan 2025 14:13

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Tgt Ion:264 Resp: 364729

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 21.7 17.4 26.0

