

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052423\
 Data File : BF133469.D
 Acq On : 24 May 2023 14:20
 Operator : CG\JU
 Sample : 02892-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-30

Quant Time: May 24 15:23:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 02:41:39 2023
 Response via : Initial Calibration

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

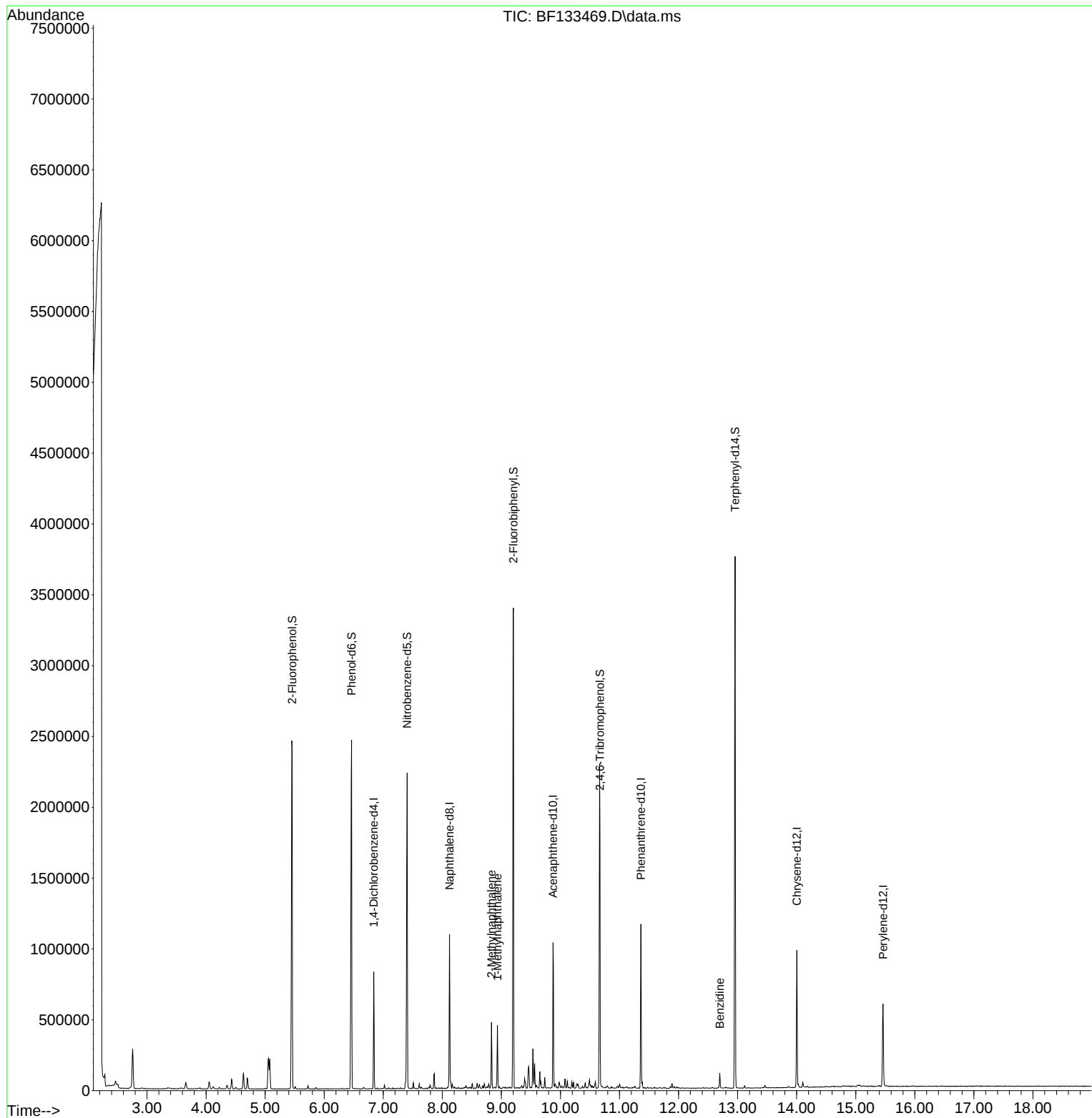
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	102004	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	395654	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	190738	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	374380	20.000	ng	0.00
76) Chrysene-d12	14.004	240	288794	20.000	ng	0.00
86) Perylene-d12	15.462	264	254502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	737509	118.188	ng	0.01
7) Phenol-d6	6.463	99	810184	108.002	ng	0.00
23) Nitrobenzene-d5	7.404	82	604038	105.548	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	265448	150.655	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1058882	78.105	ng	0.00
79) Terphenyl-d14	12.957	244	1292831	85.590	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.833	142	100656	7.726	ng	100
38) 1-Methylnaphthalene	8.933	142	95286	7.849	ng	97
77) Benzidine	12.698	184	35168	5.111	ng	99

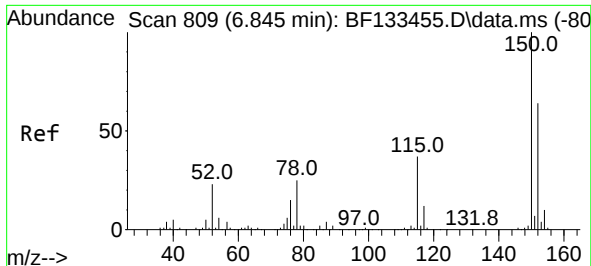
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052323.M
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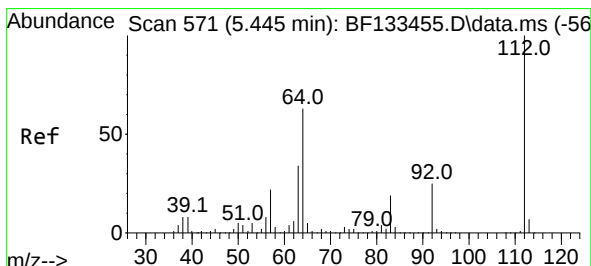
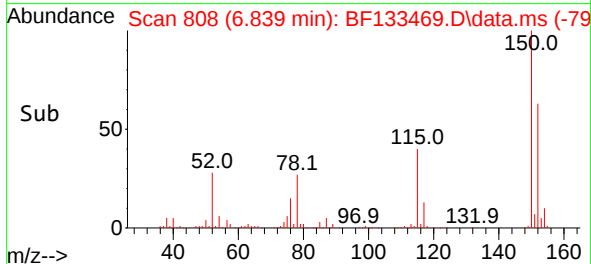
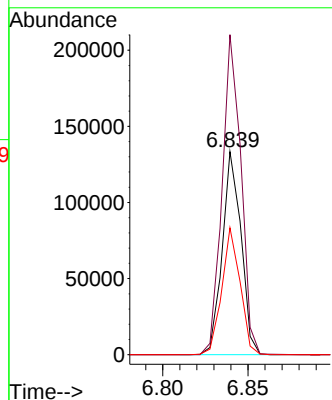
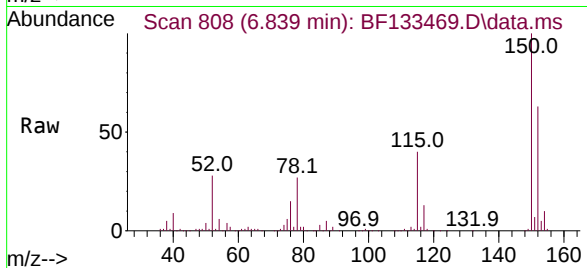




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

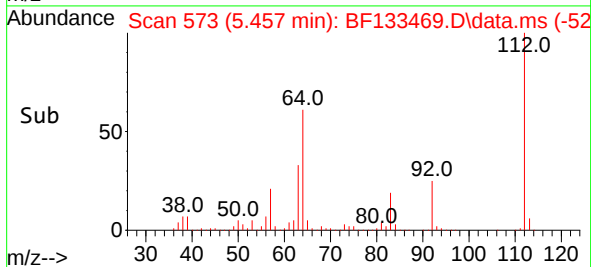
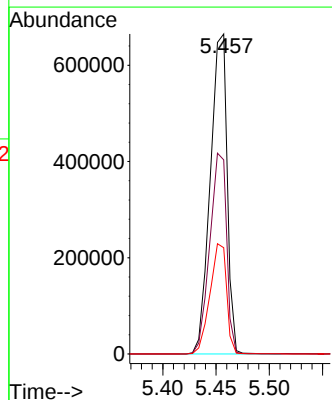
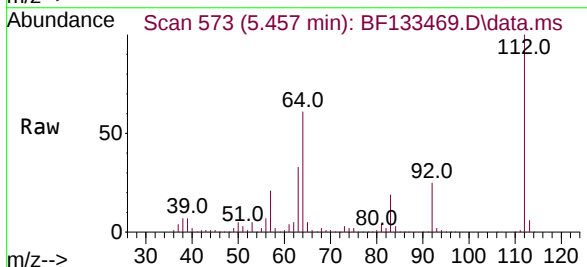
Instrument :
BNA_F
ClientSampleId :
TP-30

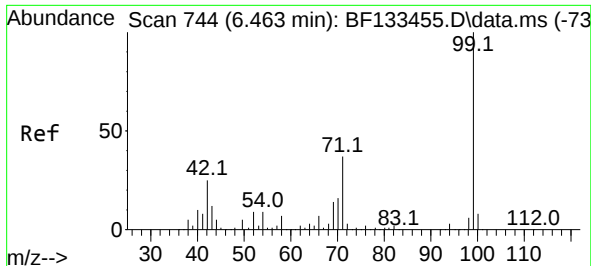
Tgt Ion:152 Resp: 102004
Ion Ratio Lower Upper
152 100
150 157.6 125.6 188.4
115 62.5 47.0 70.4



#5
2-Fluorophenol
Concen: 118.188 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.012 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

Tgt Ion:112 Resp: 737509
Ion Ratio Lower Upper
112 100
64 60.6 50.2 75.4
63 33.2 27.2 40.8





#7

Phenol-d6

Concen: 108.002 ng

RT: 6.463 min Scan# 744

Delta R.T. 0.000 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Instrument :

BNA_F

ClientSampleId :

TP-30

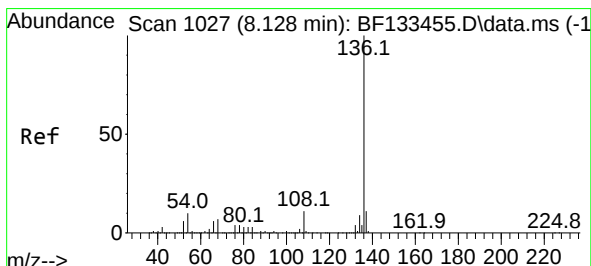
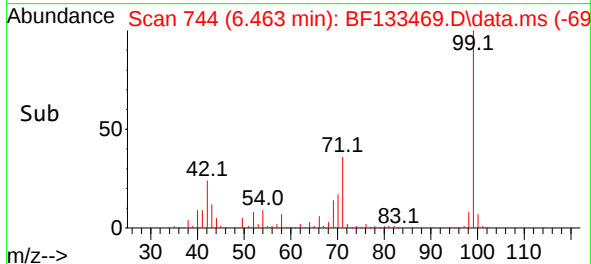
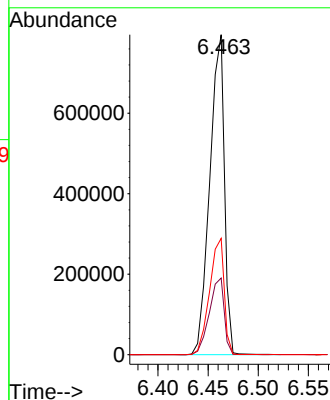
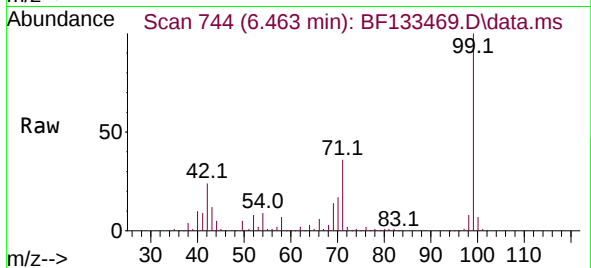
Tgt Ion: 99 Resp: 810184

Ion Ratio Lower Upper

99 100

42 24.0 19.6 29.4

71 36.3 29.5 44.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Tgt Ion: 136 Resp: 395654

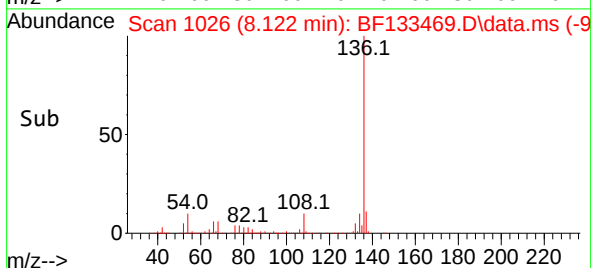
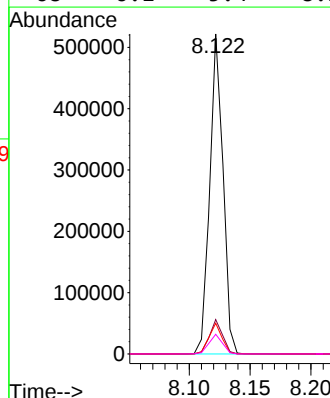
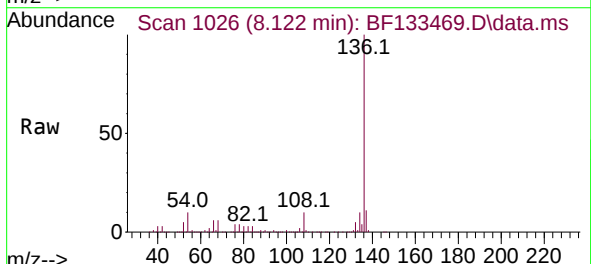
Ion Ratio Lower Upper

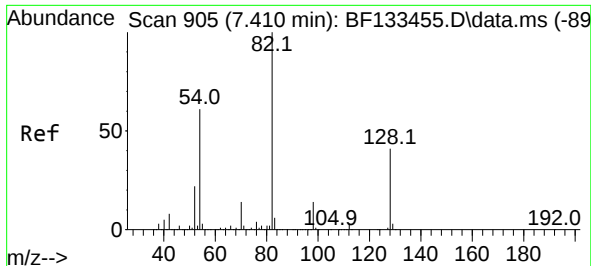
136 100

137 10.7 8.8 13.2

54 9.6 8.0 12.0

68 6.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 105.548 ng

RT: 7.404 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Instrument :

BNA_F

ClientSampleId :

TP-30

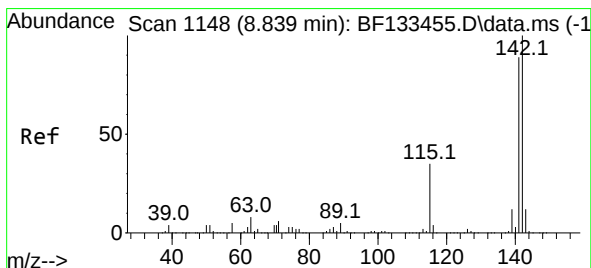
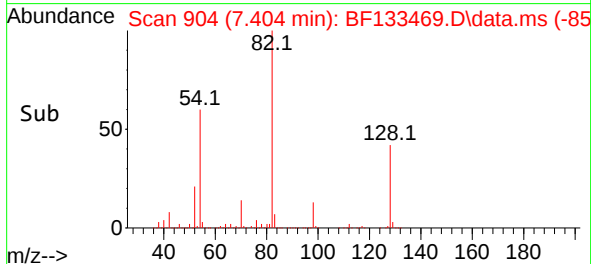
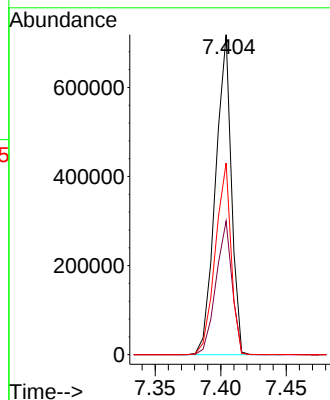
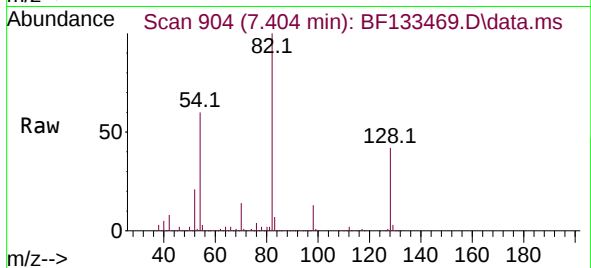
Tgt Ion: 82 Resp: 604038

Ion Ratio Lower Upper

82 100

128 41.8 33.0 49.6

54 59.9 48.5 72.7



#37

2-Methylnaphthalene

Concen: 7.726 ng

RT: 8.833 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF133469.D

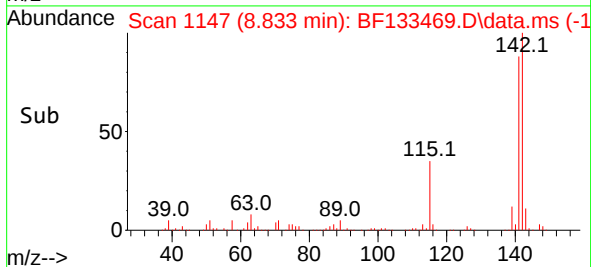
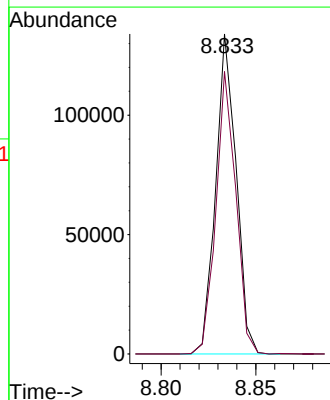
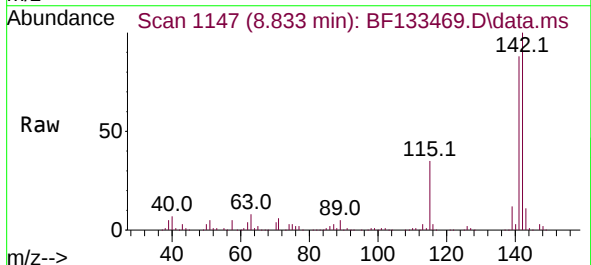
Acq: 24 May 2023 14:20

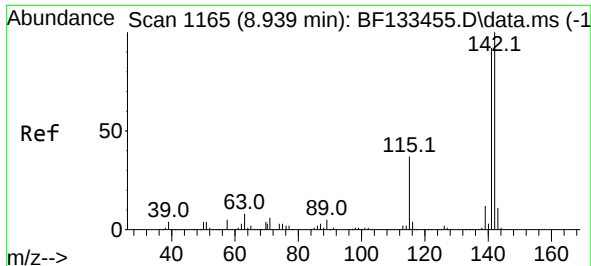
Tgt Ion:142 Resp: 100656

Ion Ratio Lower Upper

142 100

141 88.2 70.9 106.3





#38

1-Methylnaphthalene

Concen: 7.849 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Instrument :

BNA_F

ClientSampleId :

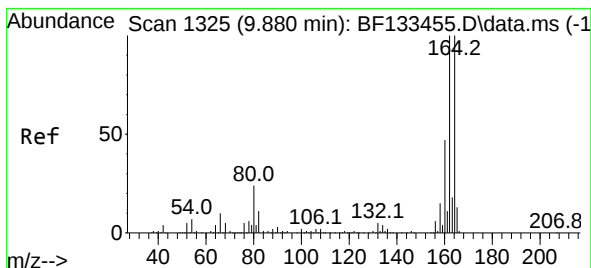
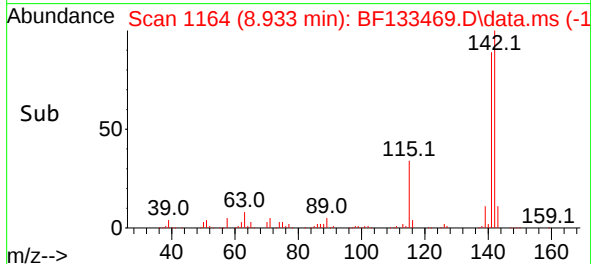
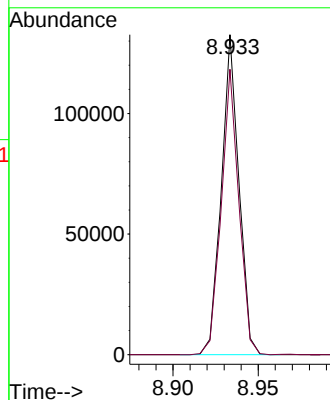
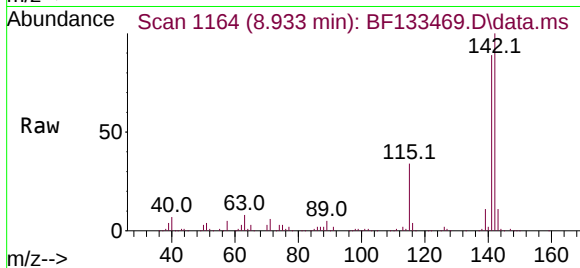
TP-30

Tgt Ion:142 Resp: 95286

Ion Ratio Lower Upper

142 100

141 89.2 73.3 109.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.005 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

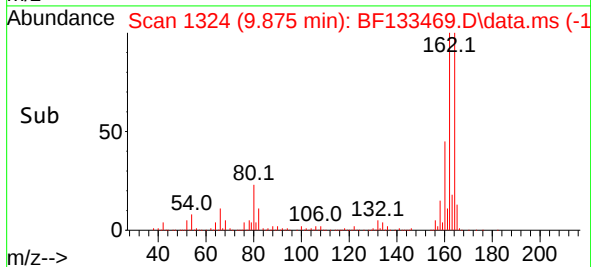
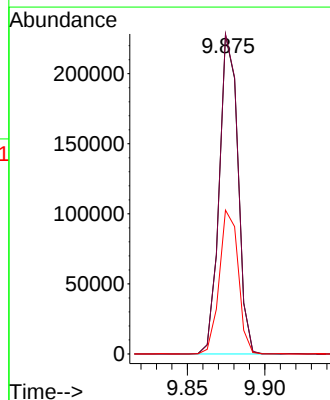
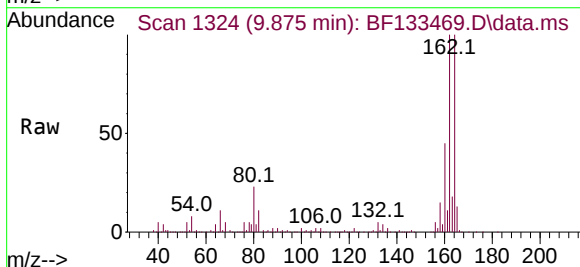
Tgt Ion:164 Resp: 190738

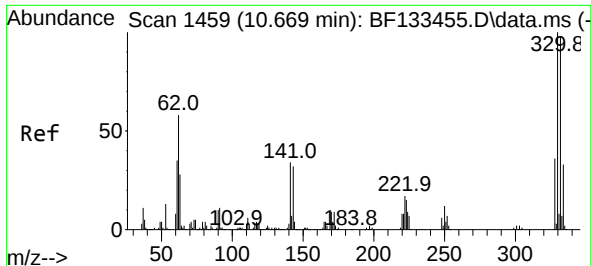
Ion Ratio Lower Upper

164 100

162 100.2 79.8 119.6

160 45.0 37.4 56.0





#42

2,4,6-Tribromophenol

Concen: 150.655 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Instrument :

BNA_F

ClientSampleId :

TP-30

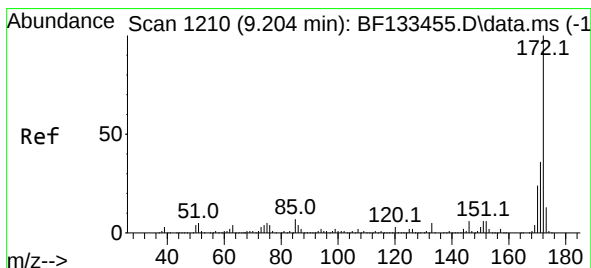
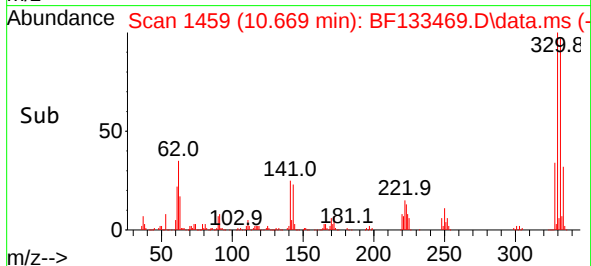
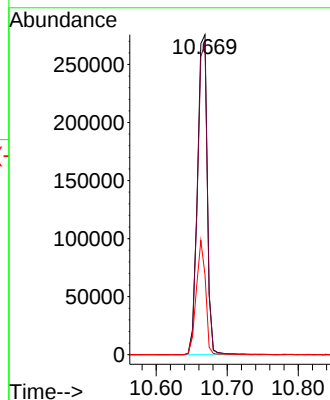
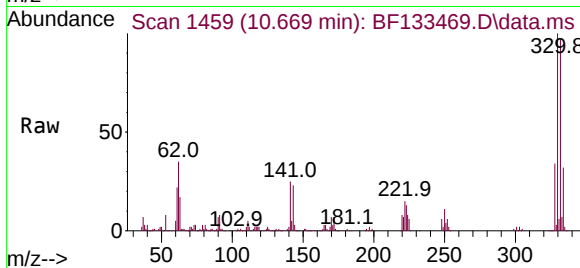
Tgt Ion:330 Resp: 265448

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

141 33.7 28.5 42.7



#45

2-Fluorobiphenyl

Concen: 78.105 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.000 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

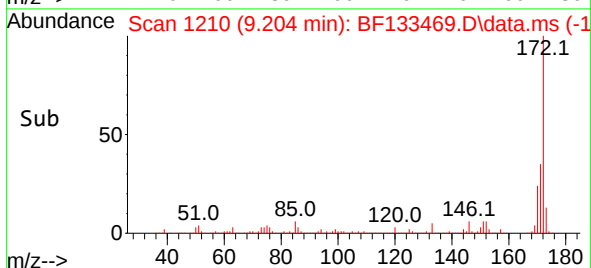
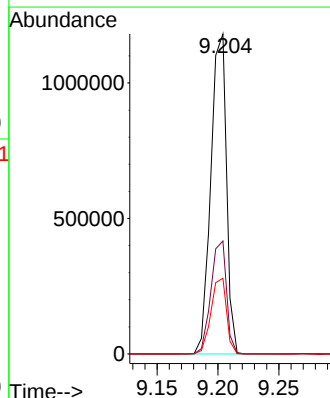
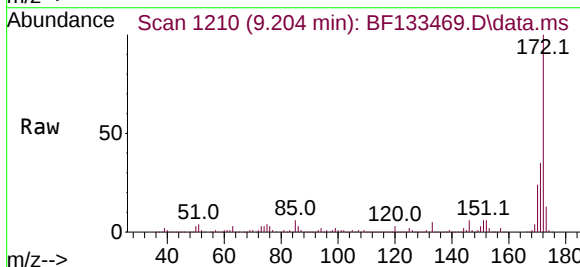
Tgt Ion:172 Resp: 1058882

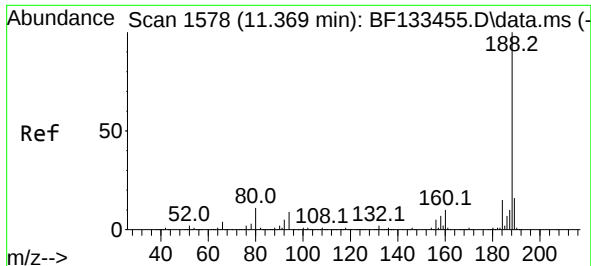
Ion Ratio Lower Upper

172 100

171 35.3 28.5 42.7

170 23.6 19.0 28.4

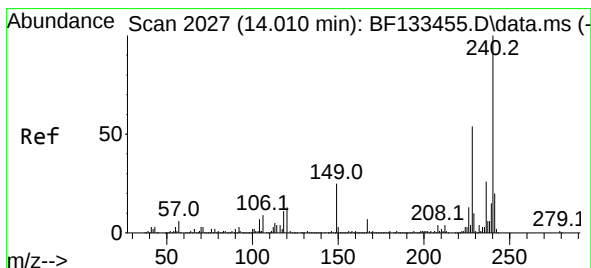
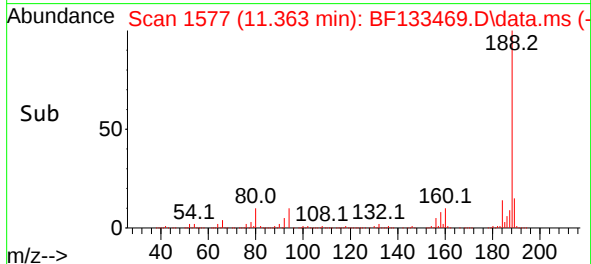
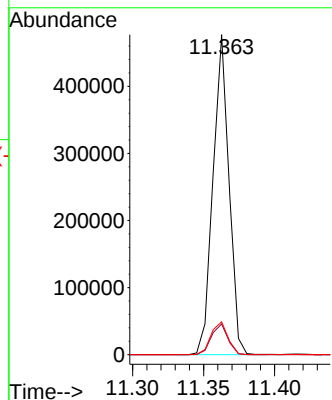
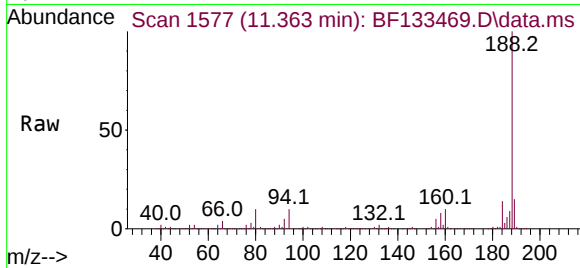




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

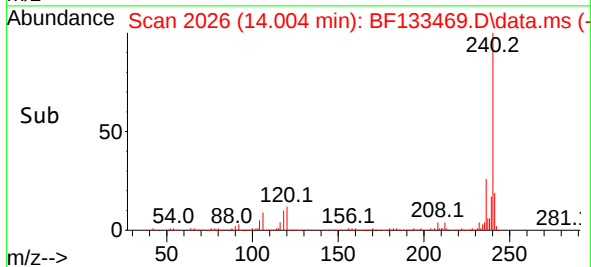
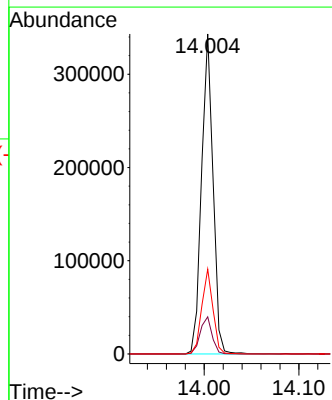
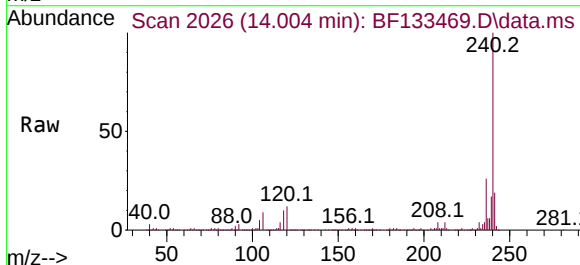
Instrument :
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TP-30

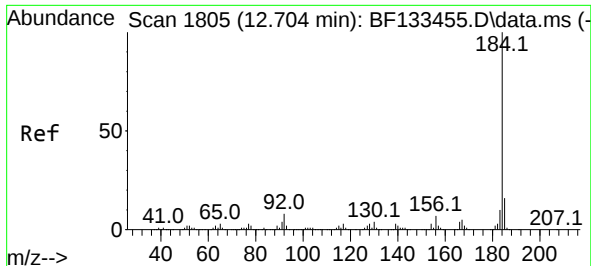
Tgt Ion:188 Resp: 374380
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.3 8.7 13.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

Tgt Ion:240 Resp: 288794
Ion Ratio Lower Upper
240 100
120 11.6 10.2 15.4
236 26.5 20.9 31.3

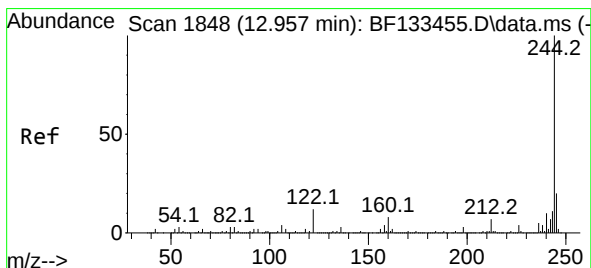
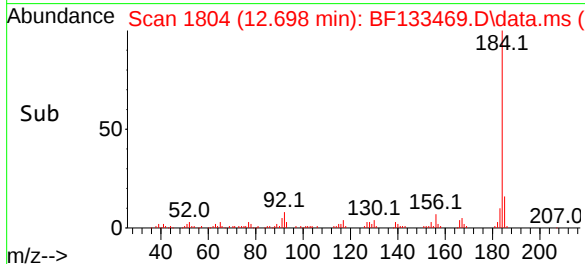
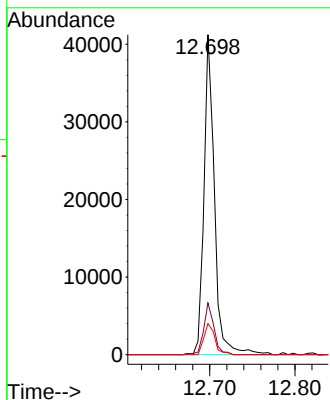
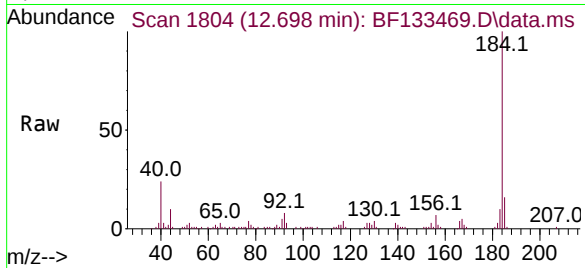




#77
Benzidine
Concen: 5.111 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

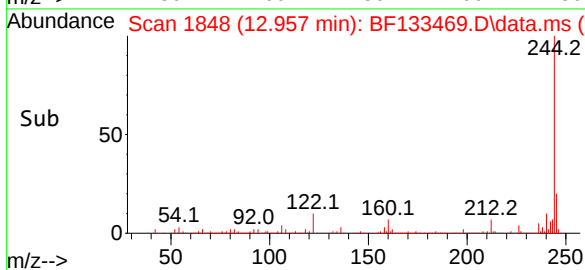
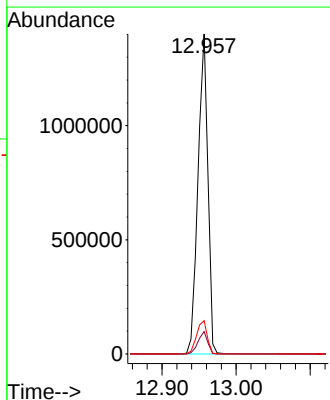
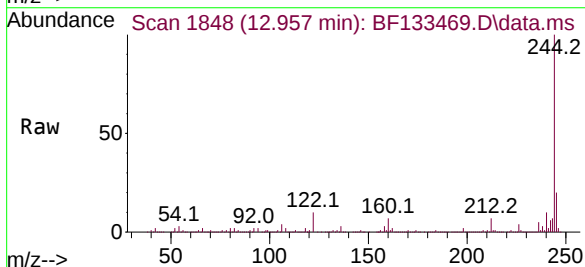
Instrument :
BNA_F
ClientSampleId :
TP-30

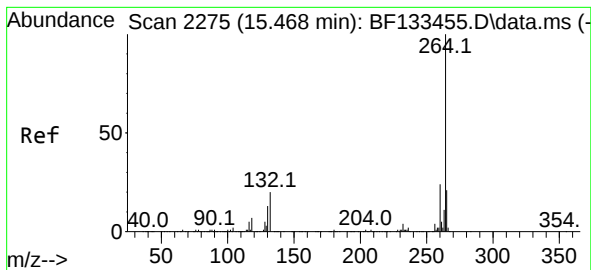
Tgt Ion:184 Resp: 35168
Ion Ratio Lower Upper
184 100
185 16.2 12.6 19.0
183 9.7 8.2 12.2



#79
Terphenyl-d14
Concen: 85.590 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.000 min
Lab File: BF133469.D
Acq: 24 May 2023 14:20

Tgt Ion:244 Resp: 1292831
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.4 9.4 14.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133469.D

Acq: 24 May 2023 14:20

Instrument :

BNA_F

ClientSampleId :

TP-30

Tgt Ion:264 Resp: 254502

Ion Ratio Lower Upper

264 100

260 23.1 18.8 28.2

265 22.5 17.0 25.4

