

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141687.D
 Acq On : 19 Feb 2025 21:09
 Operator : RC/JU
 Sample : Q1383-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-12-021725

Quant Time: Feb 20 00:14:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	90790	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	362025	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	192735	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	317483	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	170220	20.000	ng	-0.03
86) Perylene-d12	15.380	264	174477	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	493082	85.144	ng	0.00
7) Phenol-d6	6.416	99	606597	82.874	ng	-0.02
23) Nitrobenzene-d5	7.345	82	395925	57.042	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	149582	77.259	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	751693	60.087	ng	-0.02
79) Terphenyl-d14	12.880	244	713212	70.733	ng	-0.02

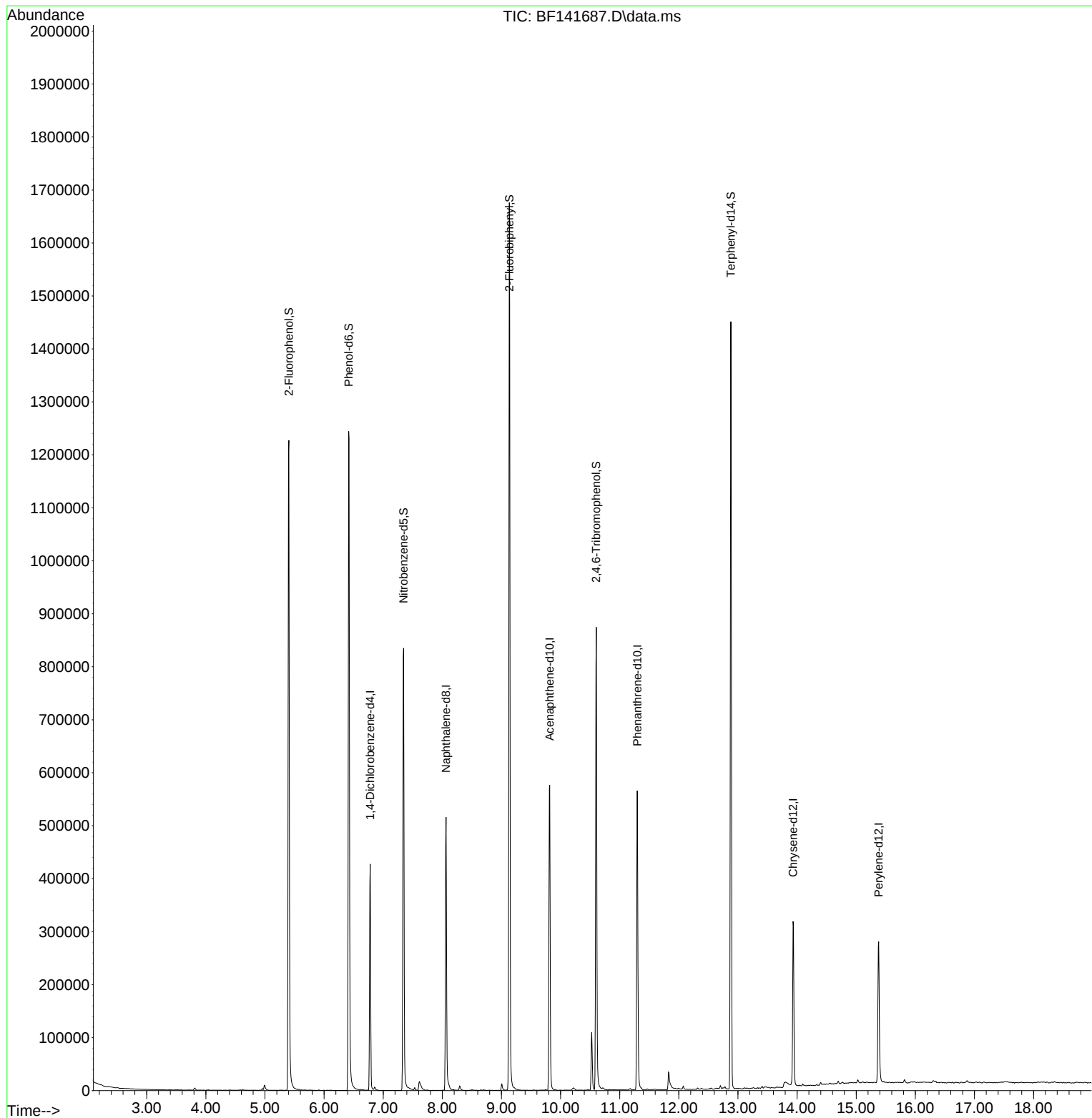
Target Compounds	Qvalue

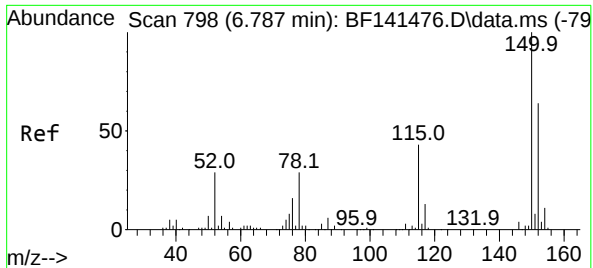
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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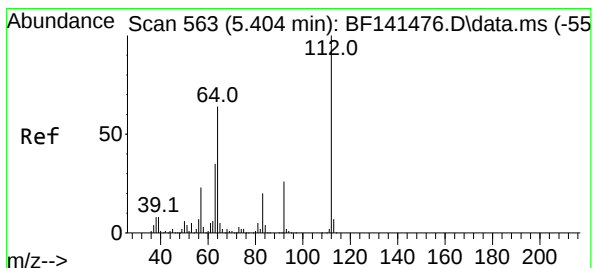
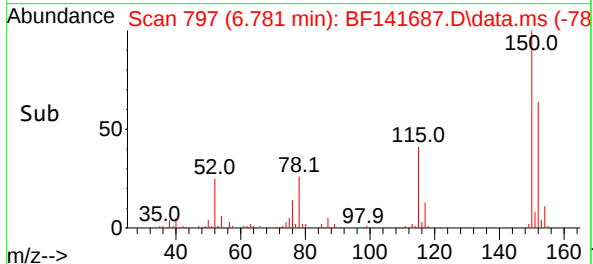
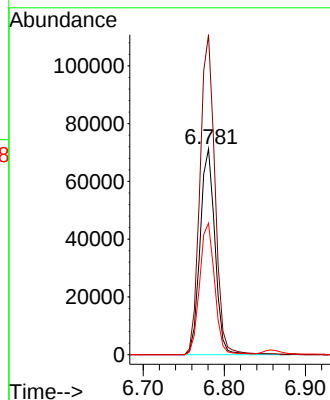
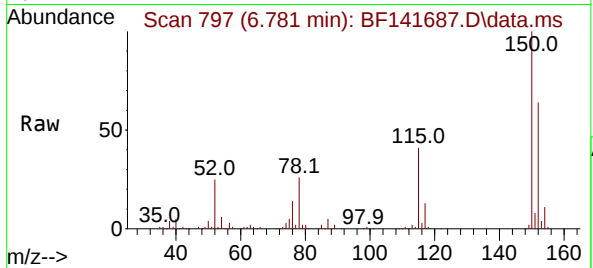




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

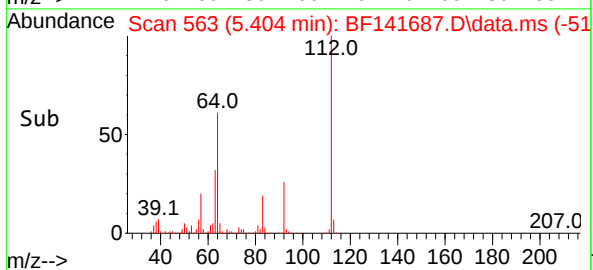
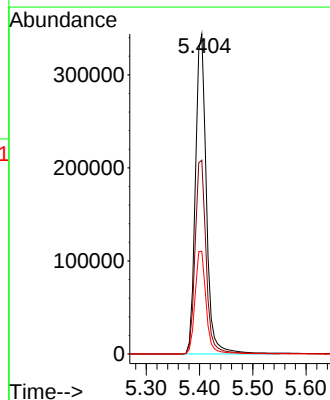
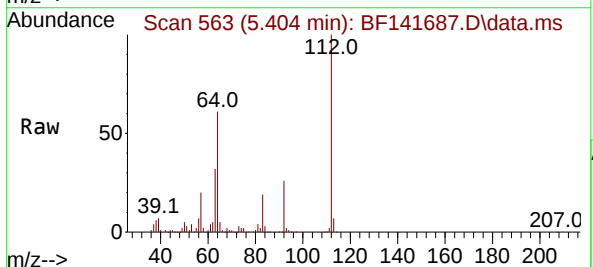
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

Tgt Ion:152 Resp: 90790
Ion Ratio Lower Upper
152 100
150 155.6 125.0 187.4
115 64.0 53.6 80.4



#5
2-Fluorophenol
Concen: 85.144 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:112 Resp: 493082
Ion Ratio Lower Upper
112 100
64 60.6 51.1 76.7
63 32.1 28.4 42.6

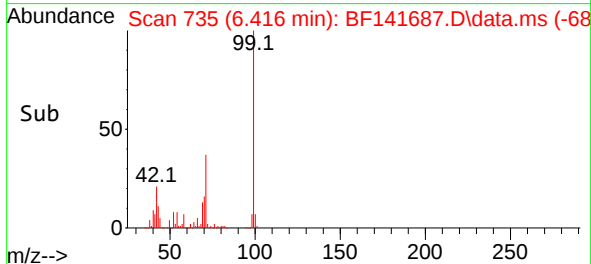
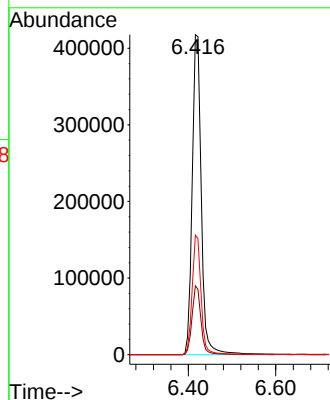
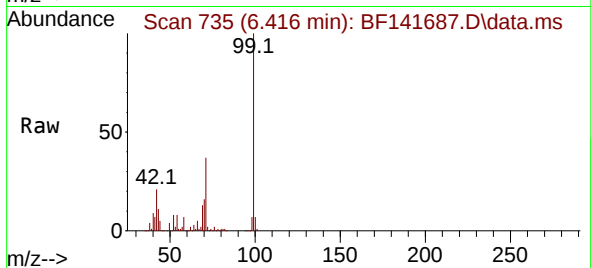




#7
Phenol-d6
Concen: 82.874 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

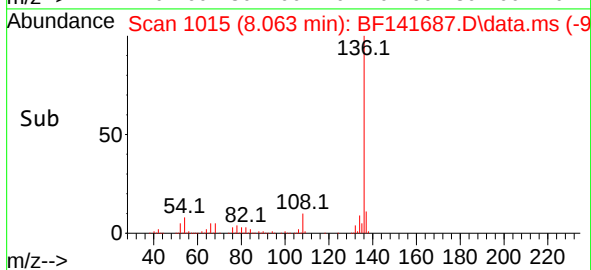
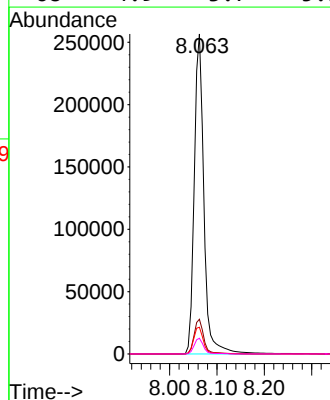
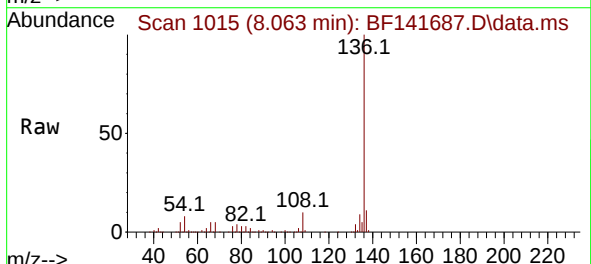
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-12-021725

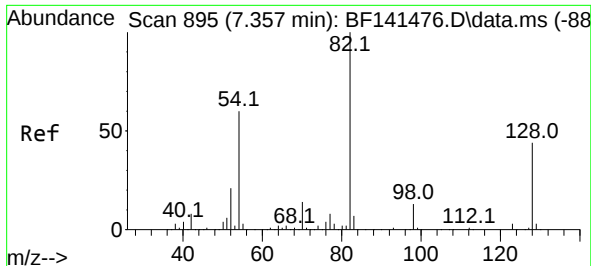
Tgt Ion: 99 Resp: 606597
Ion Ratio Lower Upper
99 100
42 21.5 19.1 28.7
71 37.3 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion: 136 Resp: 362025
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 57.042 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-12-021725

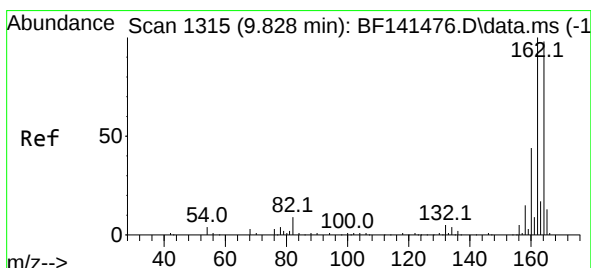
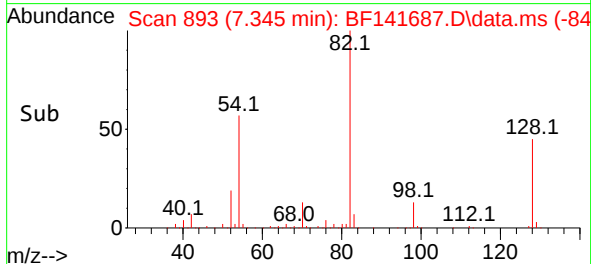
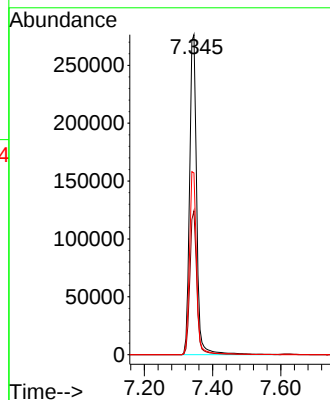
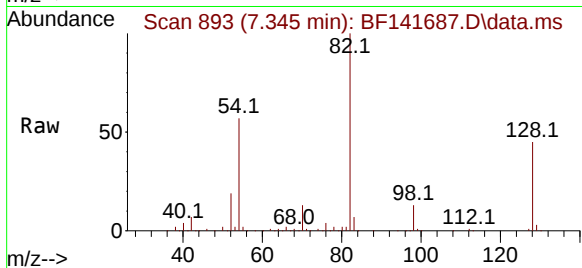
Tgt Ion: 82 Resp: 395925

Ion Ratio Lower Upper

82 100

128 44.9 34.8 52.2

54 56.8 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.018 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

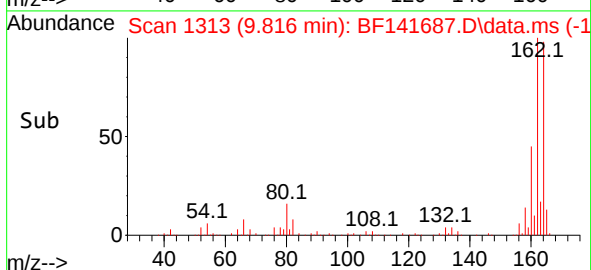
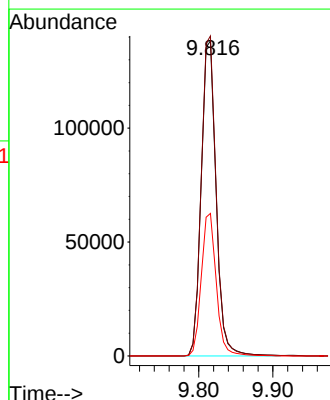
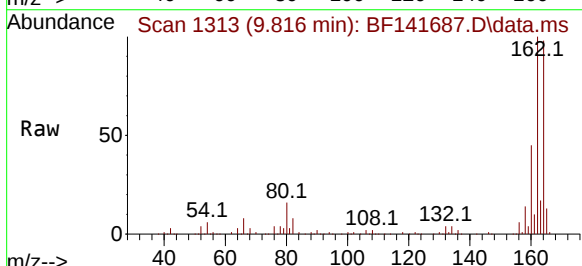
Tgt Ion:164 Resp: 192735

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

160 45.2 35.9 53.9

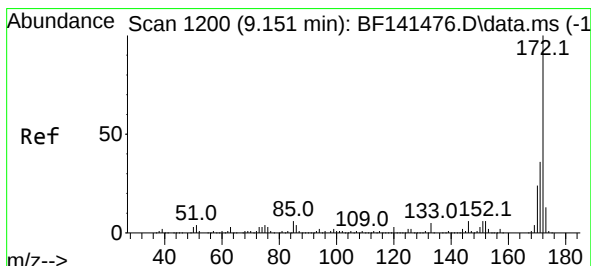
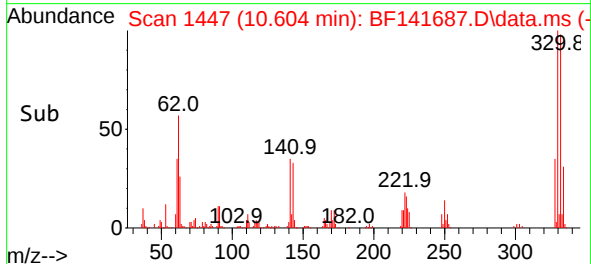
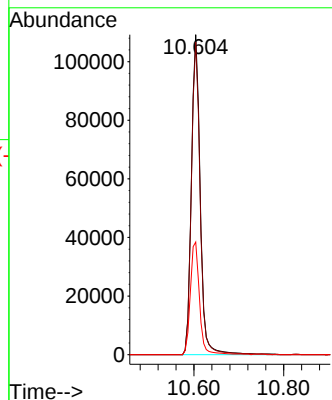
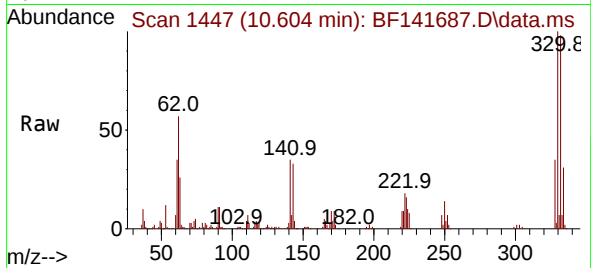




#42
2,4,6-Tribromophenol
Concen: 77.259 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

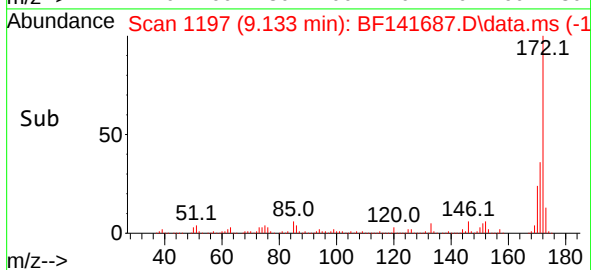
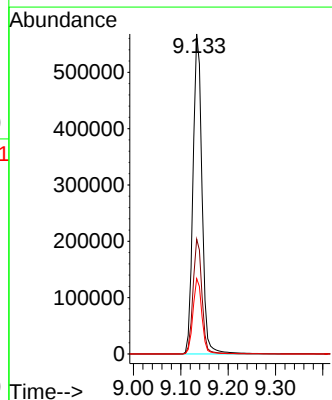
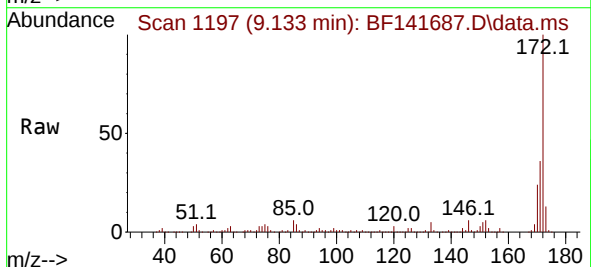
Instrument :
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OU4-PCS-TC-12-021725

Tgt Ion:330 Resp: 149582
Ion Ratio Lower Upper
330 100
332 97.1 78.5 117.7
141 36.5 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 60.087 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141687.D
Acq: 19 Feb 2025 21:09

Tgt Ion:172 Resp: 751693
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-12-021725

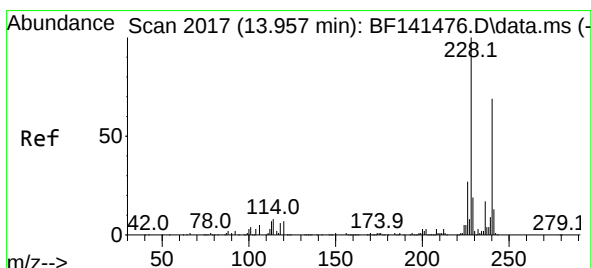
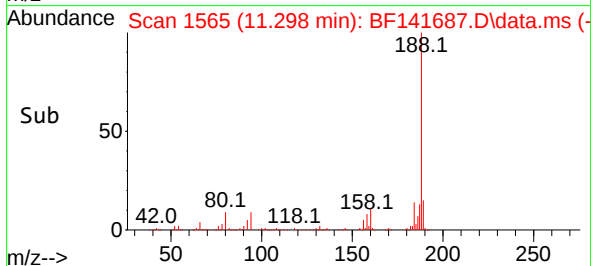
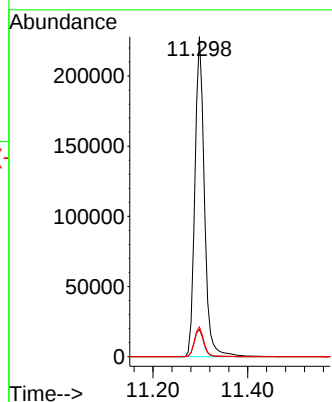
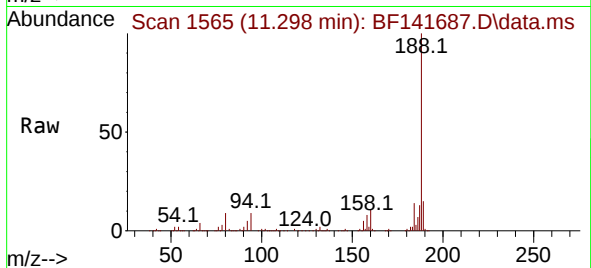
Tgt Ion:188 Resp: 317483

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.3 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.029 min

Lab File: BF141687.D

Acq: 19 Feb 2025 21:09

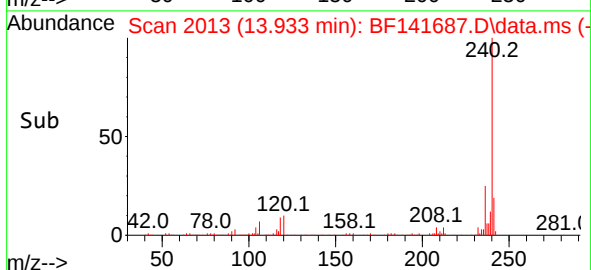
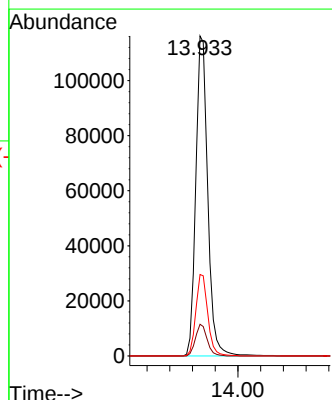
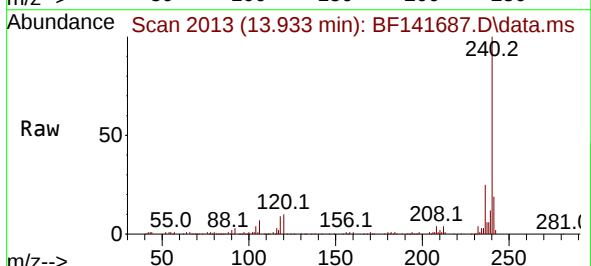
Tgt Ion:240 Resp: 170220

Ion Ratio Lower Upper

240 100

120 9.9 8.0 12.0

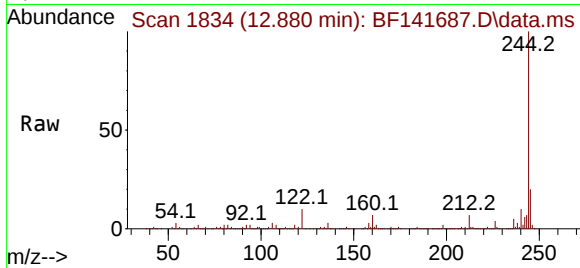
236 25.5 19.8 29.8



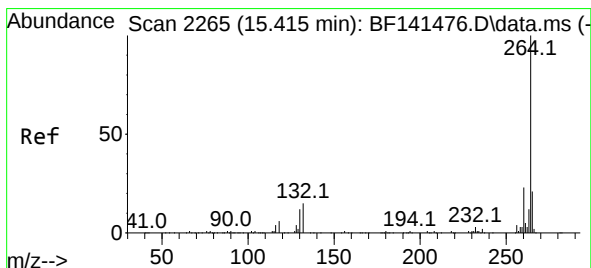
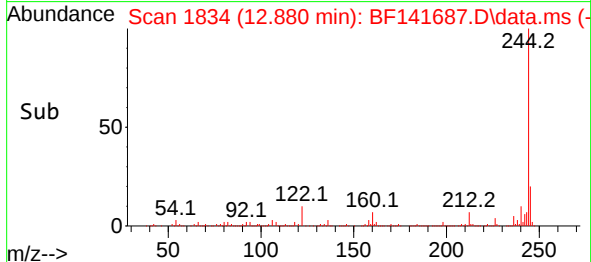
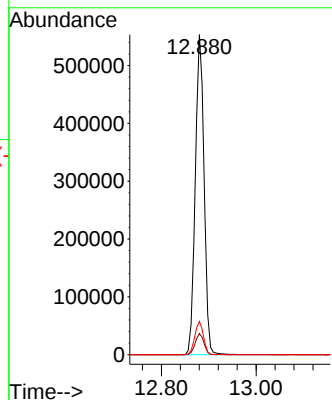


#79
 Terphenyl-d14
 Concen: 70.733 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-12-021725



Tgt Ion:244 Resp: 713212
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.4 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2259
 Delta R.T. -0.035 min
 Lab File: BF141687.D
 Acq: 19 Feb 2025 21:09

Tgt Ion:264 Resp: 174477
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.2 17.0 25.4

