

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141674.D
 Acq On : 19 Feb 2025 14:46
 Operator : RC/JU
 Sample : Q1382-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-01-021725

Quant Time: Feb 19 15:19:02 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	93381	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	372267	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	198315	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	342347	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	227952	20.000	ng	-0.03
86) Perylene-d12	15.380	264	168628	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	575374	96.598	ng	0.00
7) Phenol-d6	6.422	99	713326	94.751	ng	-0.02
23) Nitrobenzene-d5	7.345	82	461464	64.656	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	194401	97.583	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	879568	68.331	ng	-0.02
79) Terphenyl-d14	12.886	244	950258	70.374	ng	-0.02

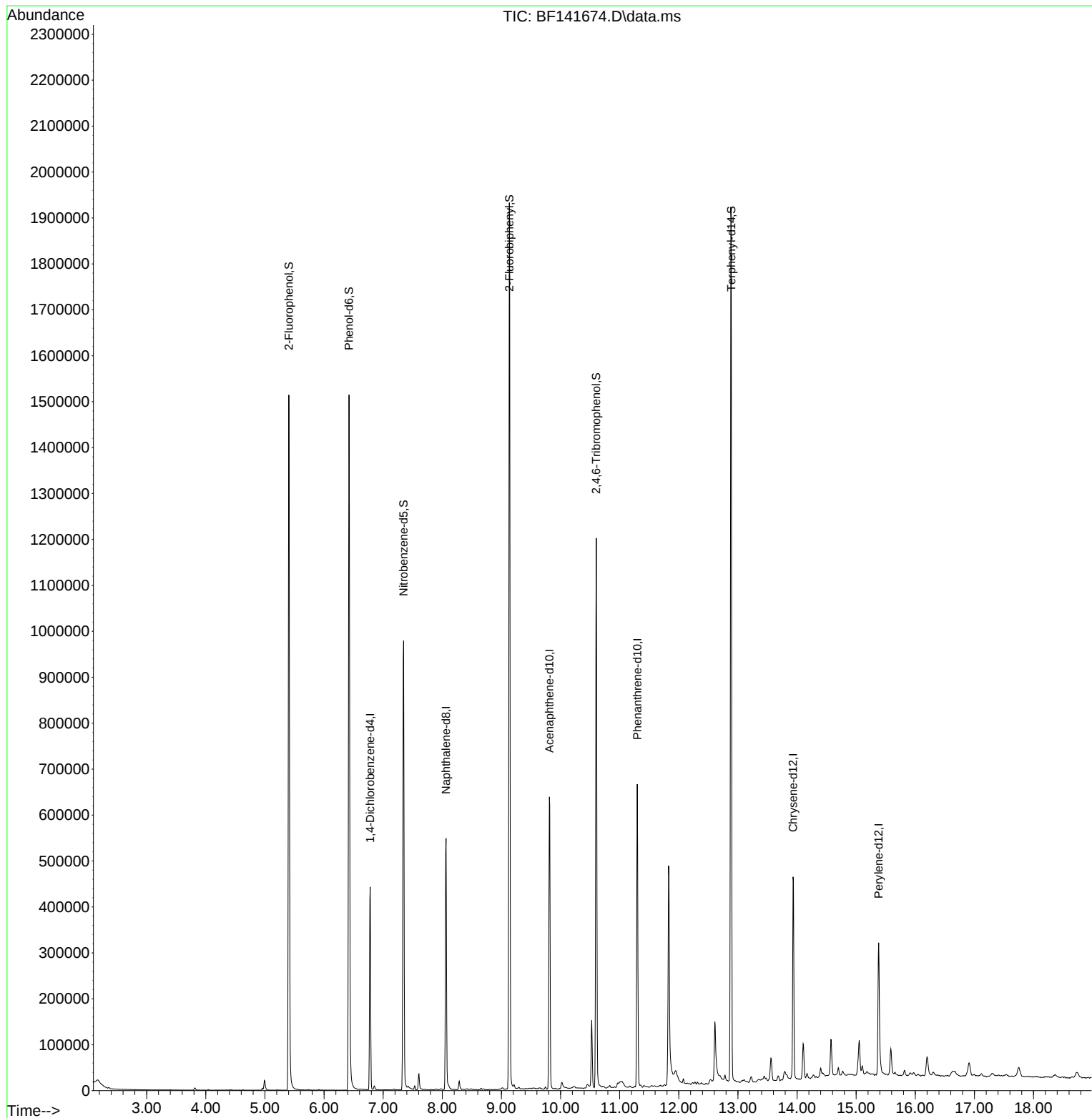
Target Compounds	Qvalue

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

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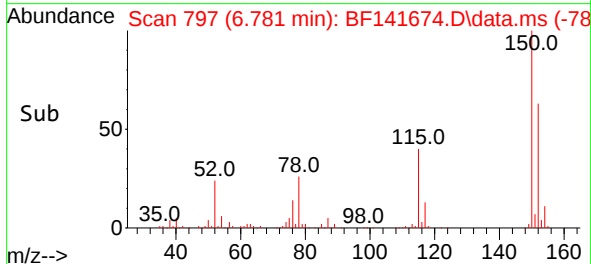
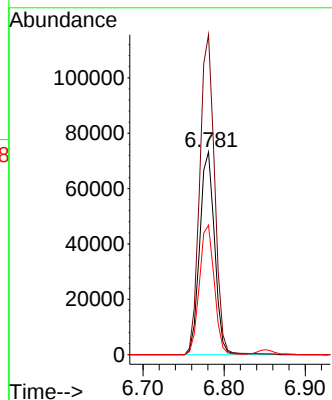
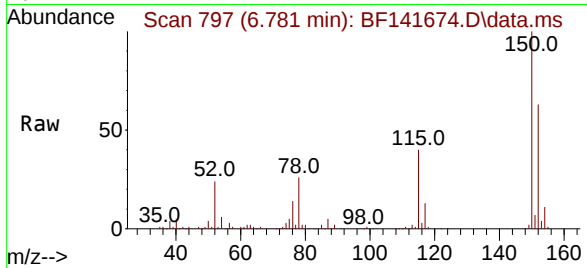




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

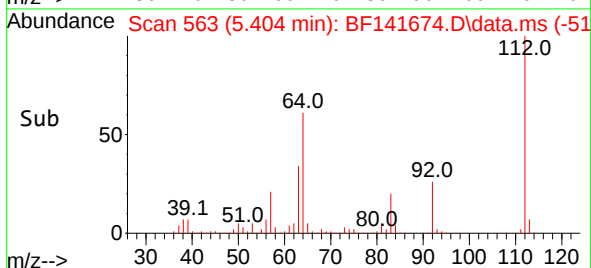
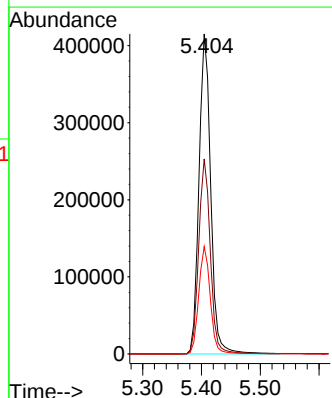
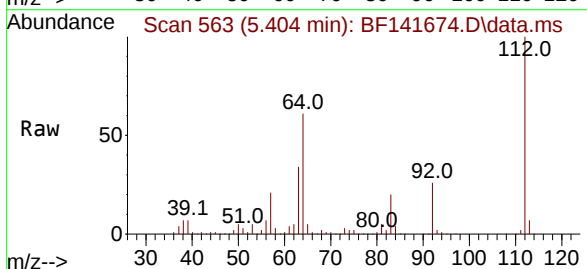
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

Tgt Ion:152 Resp: 93381
Ion Ratio Lower Upper
152 100
150 157.9 125.0 187.4
115 63.9 53.6 80.4



#5
2-Fluorophenol
Concen: 96.598 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion:112 Resp: 575374
Ion Ratio Lower Upper
112 100
64 61.0 51.1 76.7
63 33.5 28.4 42.6

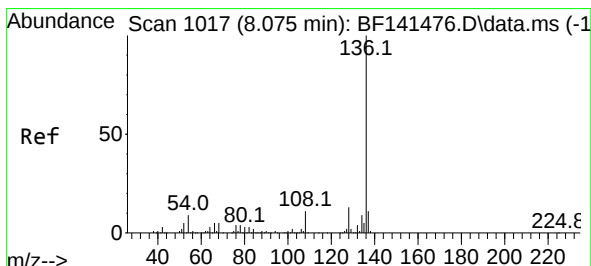
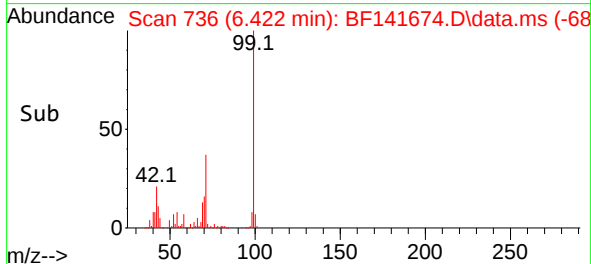
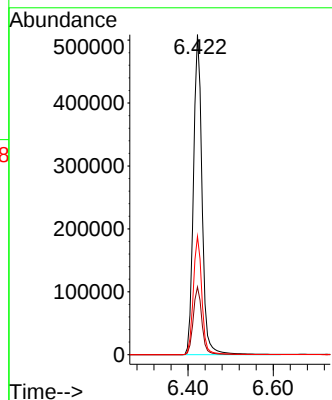
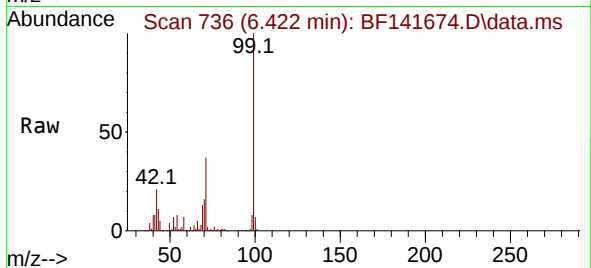




#7
Phenol-d6
Concen: 94.751 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141674.D
Acq: 19 Feb 2025 14:46

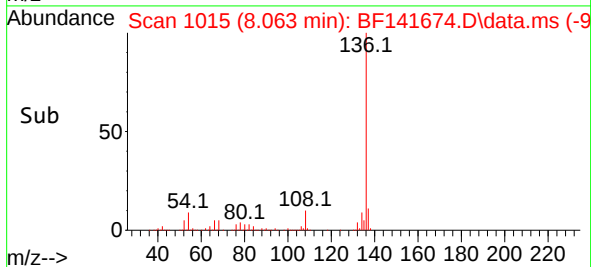
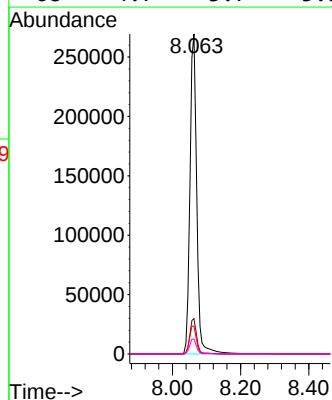
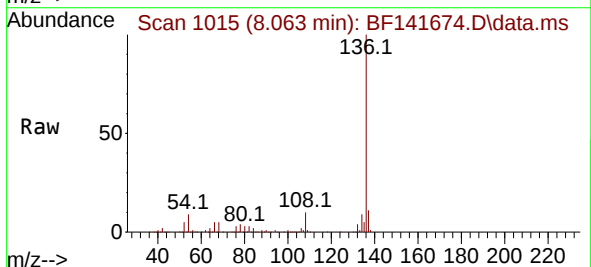
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-01-021725

Tgt Ion: 99 Resp: 713326
Ion Ratio Lower Upper
99 100
42 21.1 19.1 28.7
71 36.9 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: BF141674.D
Acq: 19 Feb 2025 14:46

Tgt Ion: 136 Resp: 372267
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 64.656 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF141674.D

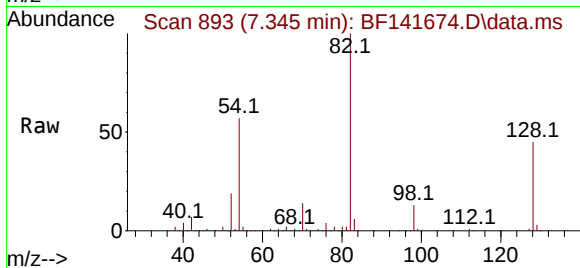
Acq: 19 Feb 2025 14:46

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-01-021725



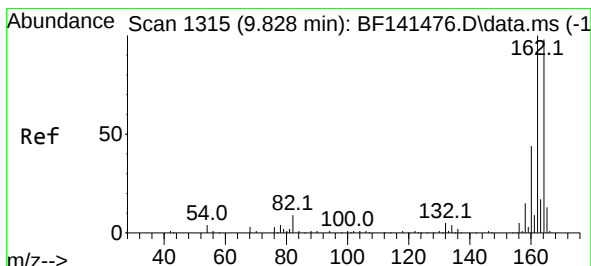
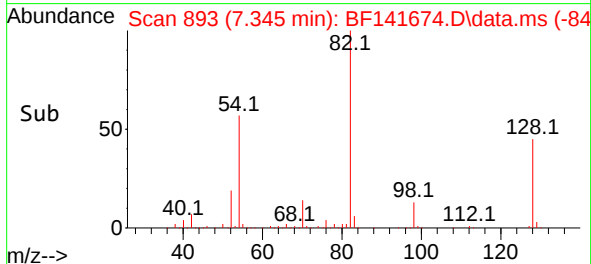
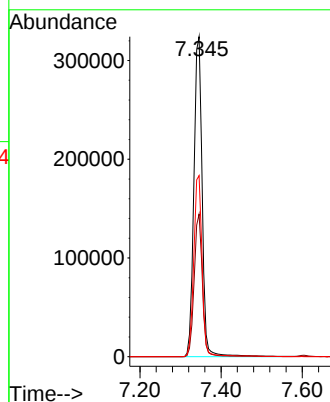
Tgt Ion: 82 Resp: 461464

Ion Ratio Lower Upper

82 100

128 44.5 34.8 52.2

54 56.6 48.2 72.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1312

Delta R.T. -0.023 min

Lab File: BF141674.D

Acq: 19 Feb 2025 14:46

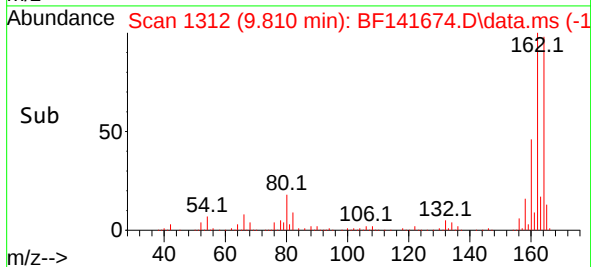
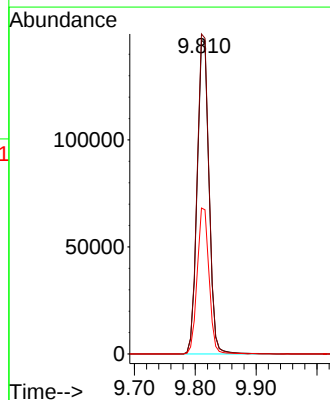
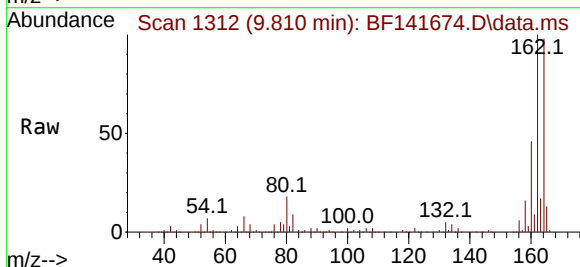
Tgt Ion:164 Resp: 198315

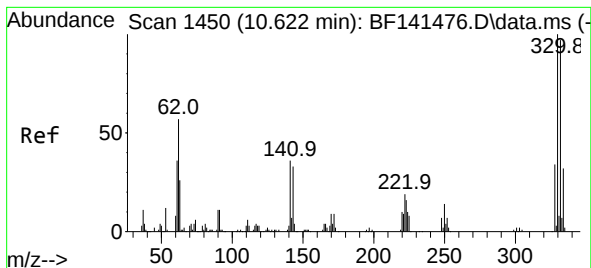
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 46.5 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 97.583 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141674.D

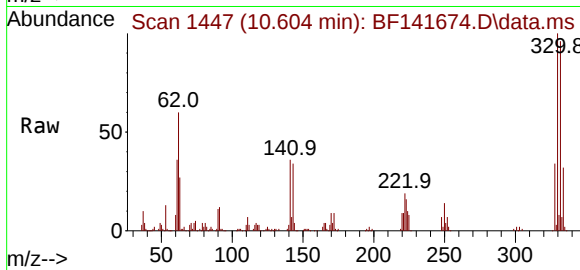
Acq: 19 Feb 2025 14:46

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-01-021725



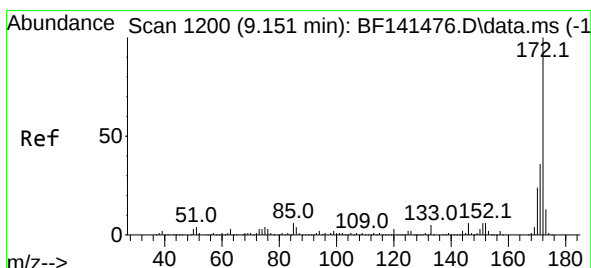
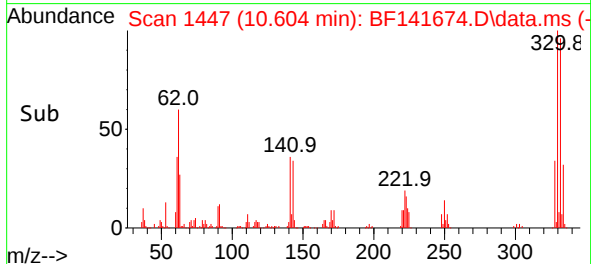
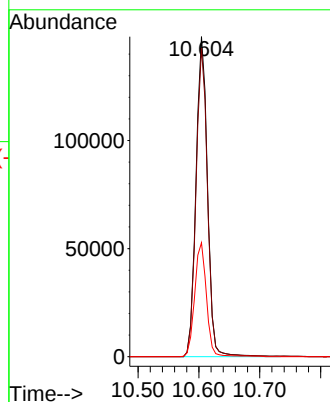
Tgt Ion:330 Resp: 194401

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 36.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 68.331 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141674.D

Acq: 19 Feb 2025 14:46

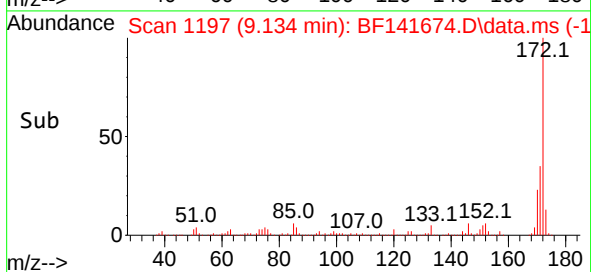
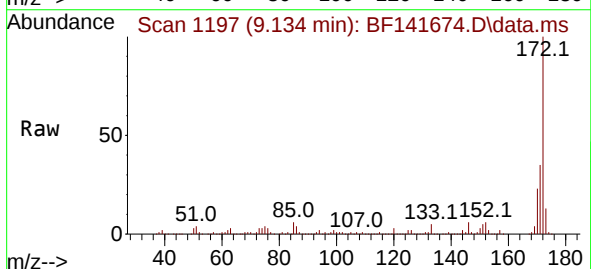
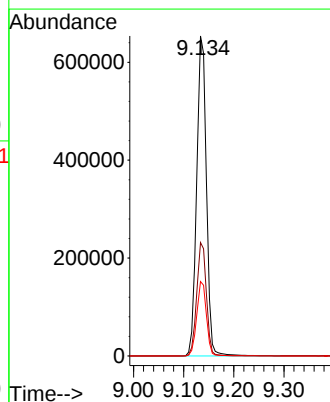
Tgt Ion:172 Resp: 879568

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.2 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.298 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141674.D

Acq: 19 Feb 2025 14:46

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-01-021725

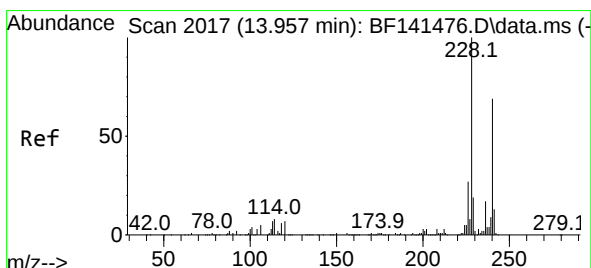
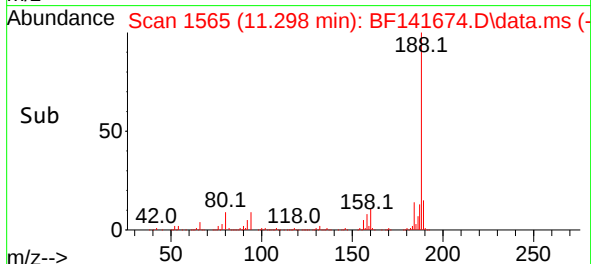
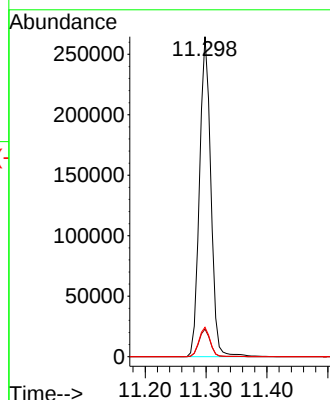
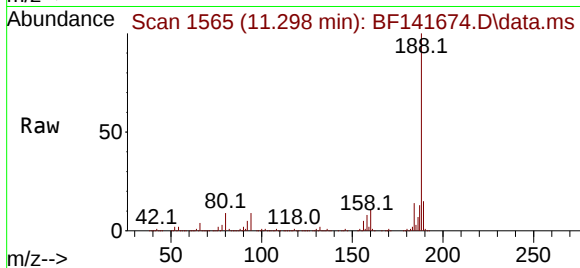
Tgt Ion:188 Resp: 342347

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.2 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: BF141674.D

Acq: 19 Feb 2025 14:46

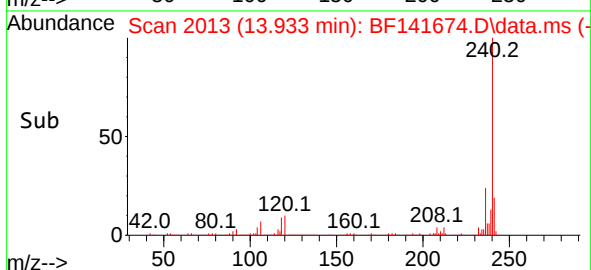
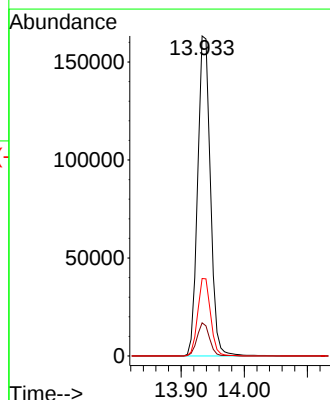
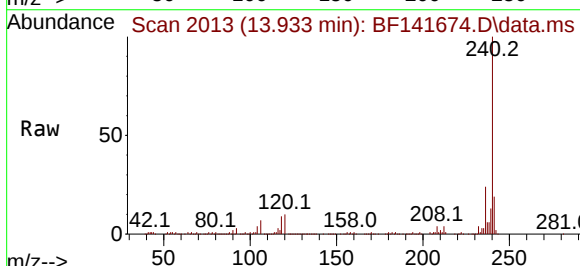
Tgt Ion:240 Resp: 227952

Ion Ratio Lower Upper

240 100

120 10.3 8.0 12.0

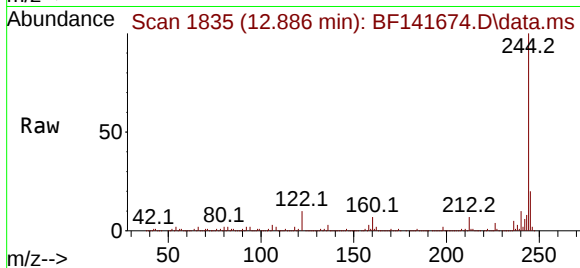
236 24.2 19.8 29.8



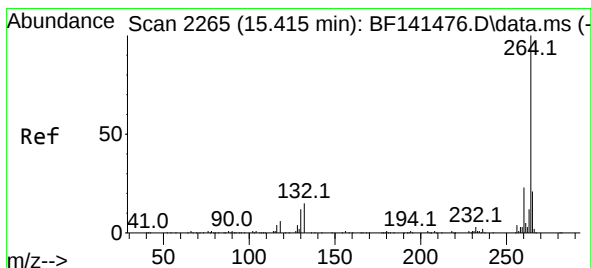
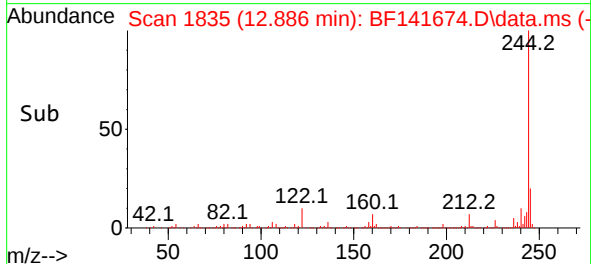
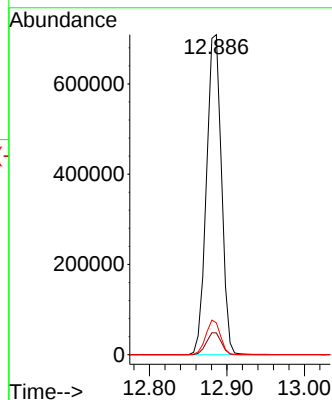


#79
 Terphenyl-d14
 Concen: 70.374 ng
 RT: 12.886 min Scan# 11
 Delta R.T. -0.017 min
 Lab File: BF141674.D
 Acq: 19 Feb 2025 14:46

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-01-021725



Tgt Ion:244 Resp: 950258
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 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: BF141674.D
 Acq: 19 Feb 2025 14:46

Tgt Ion:264 Resp: 168628
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.2 17.0 25.4

