

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021925\
 Data File : BF141676.D
 Acq On : 19 Feb 2025 15:45
 Operator : RC/JU
 Sample : Q1382-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725

Quant Time: Feb 19 16:08:38 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	85261	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	338240	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	180374	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	300038	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	162405	20.000	ng	-0.02
86) Perylene-d12	15.380	264	150976	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	492518	90.562	ng	0.00
7) Phenol-d6	6.422	99	607378	88.362	ng	-0.02
23) Nitrobenzene-d5	7.345	82	395440	60.979	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	158831	87.658	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	767983	65.596	ng	-0.02
79) Terphenyl-d14	12.880	244	748368	77.792	ng	-0.02

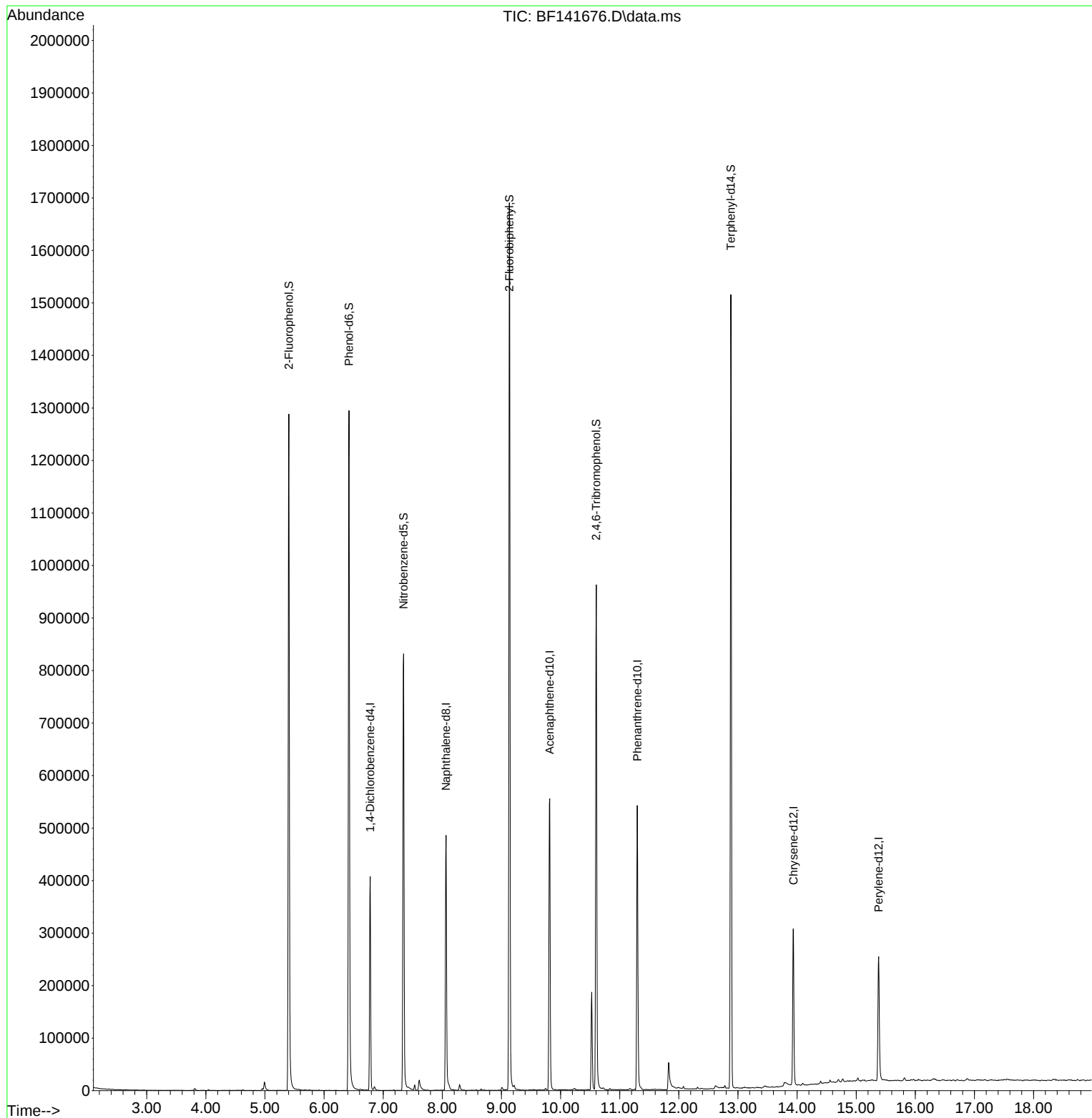
Target Compounds	Qvalue
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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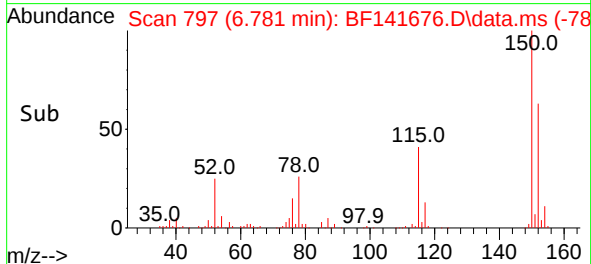
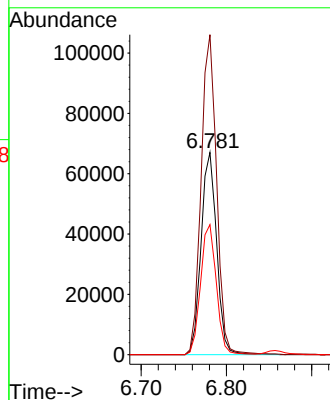
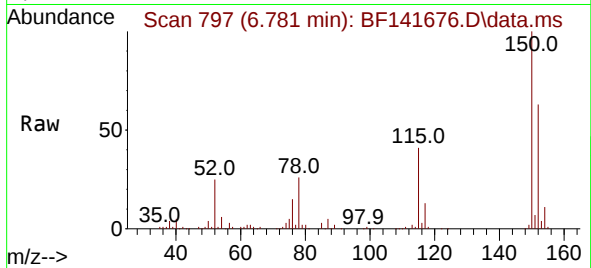




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141676.D
Acq: 19 Feb 2025 15:45

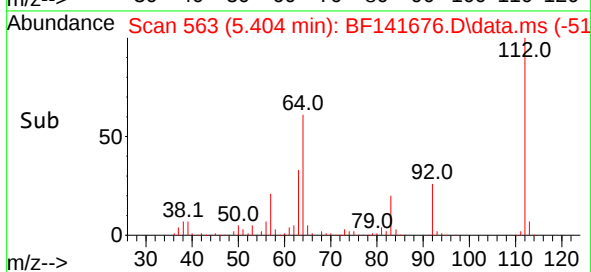
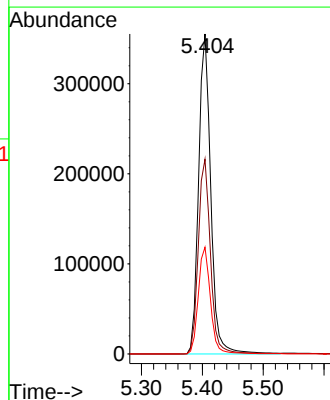
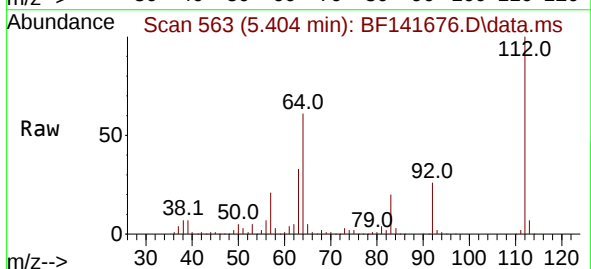
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725

Tgt Ion:152 Resp: 85261
Ion Ratio Lower Upper
152 100
150 158.2 125.0 187.4
115 64.3 53.6 80.4



#5
2-Fluorophenol
Concen: 90.562 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141676.D
Acq: 19 Feb 2025 15:45

Tgt Ion:112 Resp: 492518
Ion Ratio Lower Upper
112 100
64 60.9 51.1 76.7
63 33.3 28.4 42.6

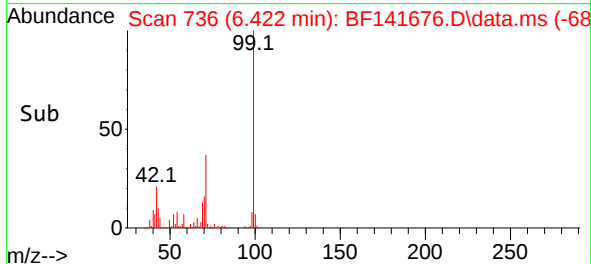
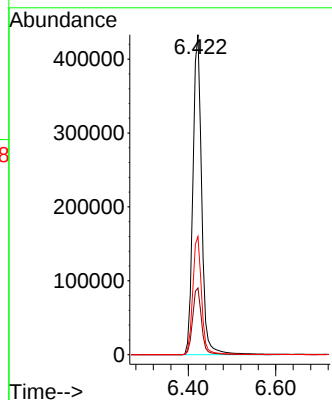
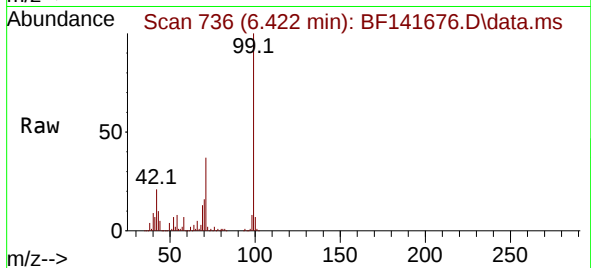




#7
Phenol-d6
Concen: 88.362 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141676.D
Acq: 19 Feb 2025 15:45

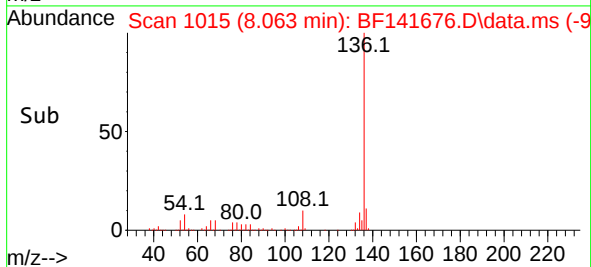
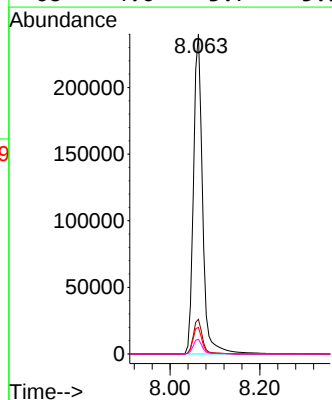
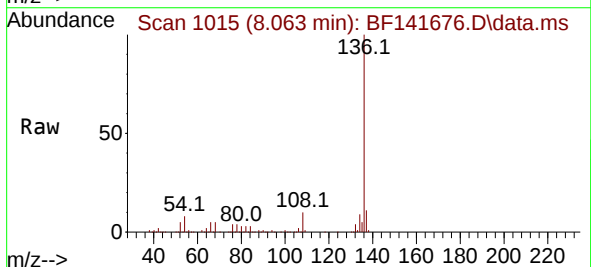
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725

Tgt Ion: 99 Resp: 607378
Ion Ratio Lower Upper
99 100
42 20.9 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: BF141676.D
Acq: 19 Feb 2025 15:45

Tgt Ion: 136 Resp: 338240
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.2 10.8
68 4.6 3.7 5.5

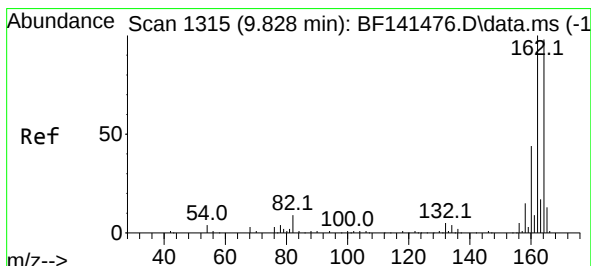
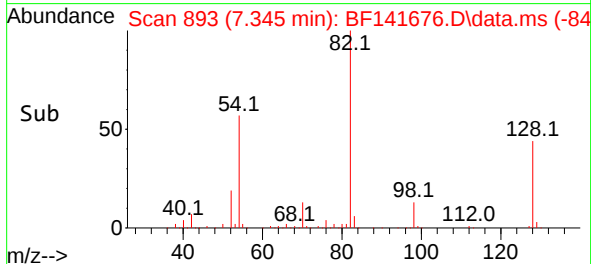
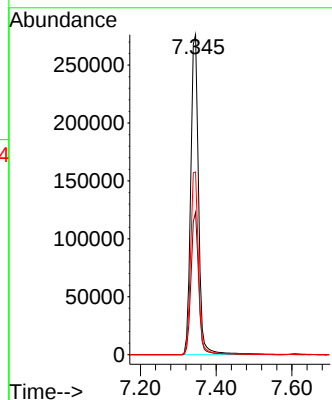
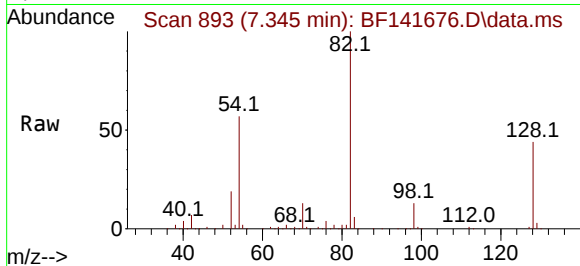




#23
Nitrobenzene-d5
Concen: 60.979 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF141676.D
Acq: 19 Feb 2025 15:45

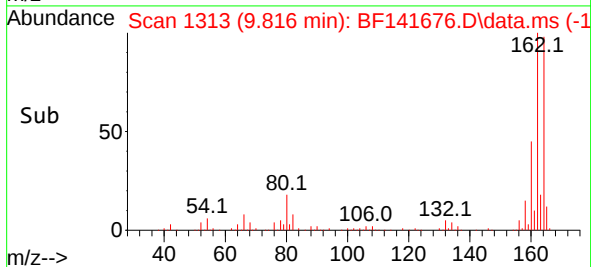
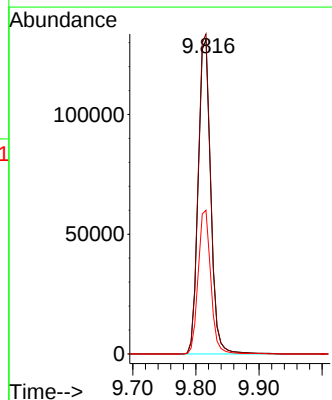
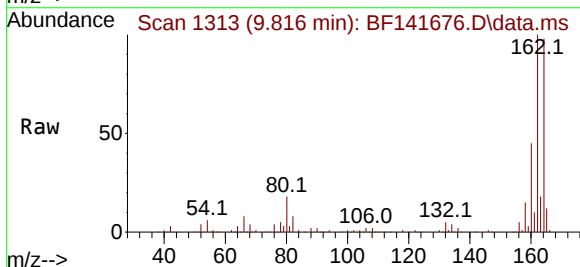
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-03-021725

Tgt Ion: 82 Resp: 395440
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 57.1 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: BF141676.D
Acq: 19 Feb 2025 15:45

Tgt Ion:164 Resp: 180374
Ion Ratio Lower Upper
164 100
162 101.8 81.3 121.9
160 45.7 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 87.658 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141676.D

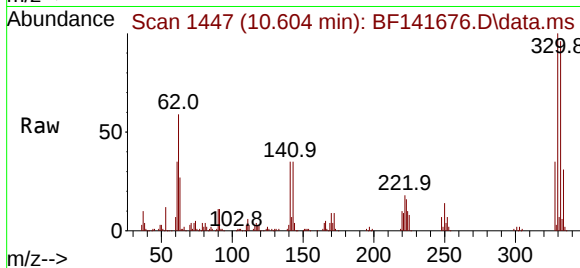
Acq: 19 Feb 2025 15:45

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725



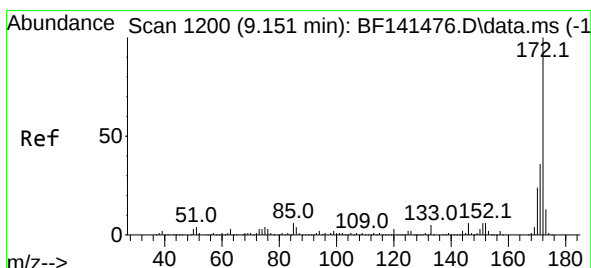
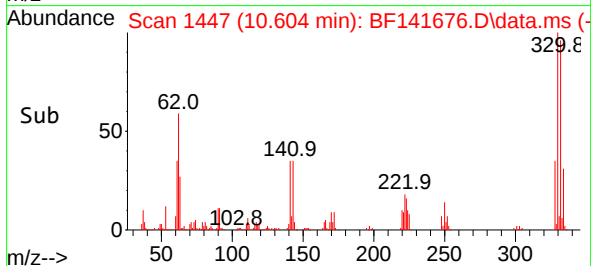
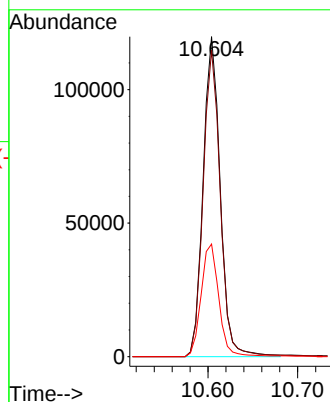
Tgt Ion:330 Resp: 158831

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 36.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 65.596 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141676.D

Acq: 19 Feb 2025 15:45

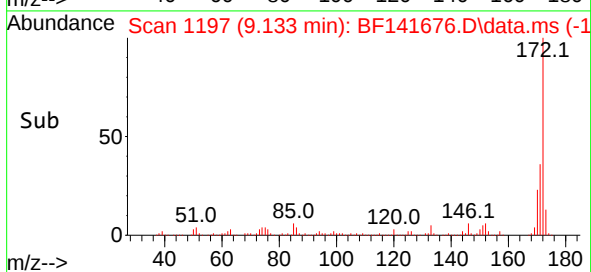
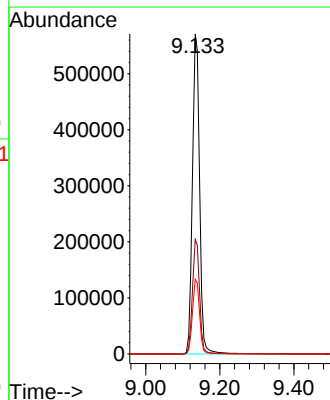
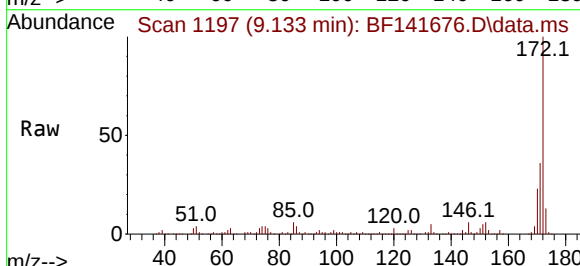
Tgt Ion:172 Resp: 767983

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.3 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: BF141676.D

Acq: 19 Feb 2025 15:45

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-03-021725

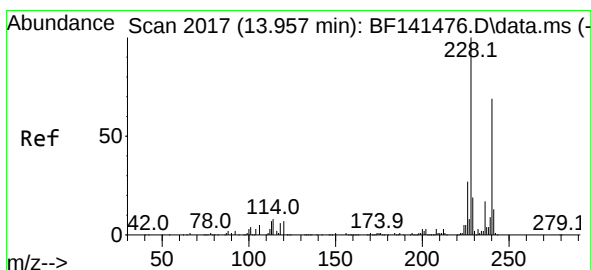
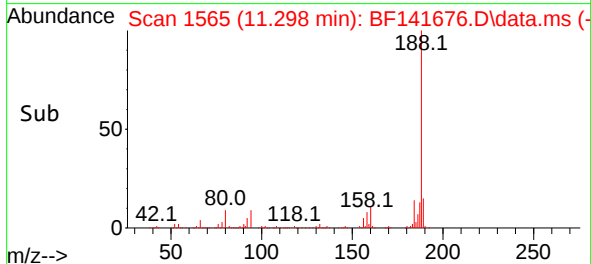
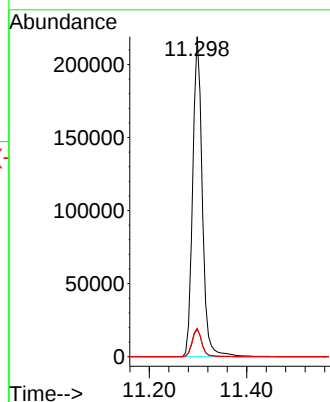
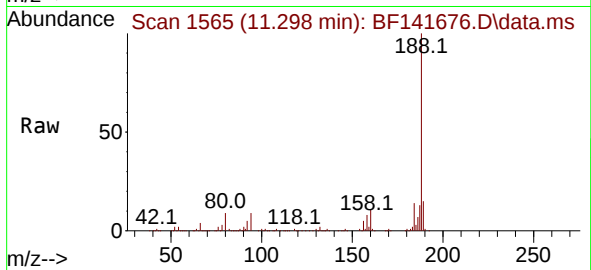
Tgt Ion:188 Resp: 300038

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 8.9 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141676.D

Acq: 19 Feb 2025 15:45

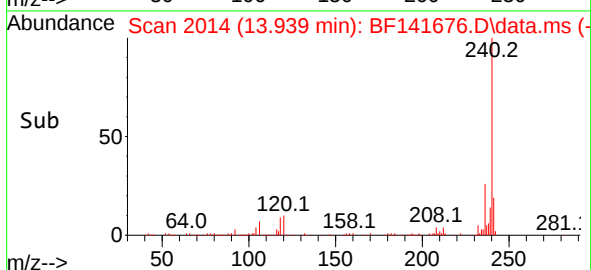
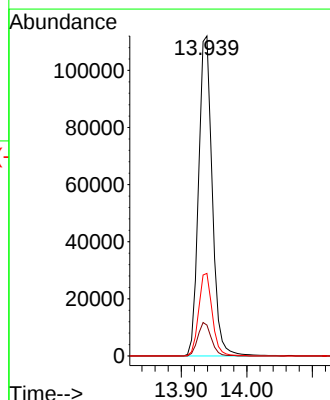
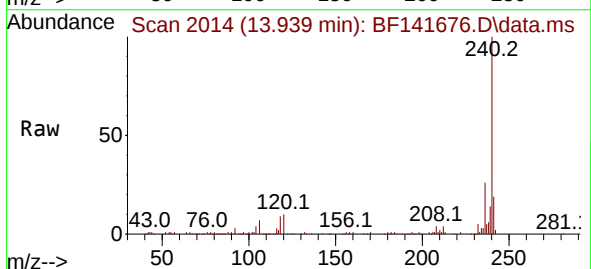
Tgt Ion:240 Resp: 162405

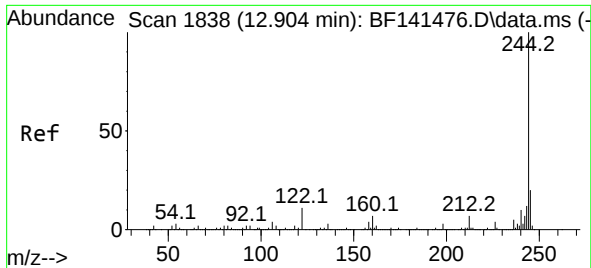
Ion Ratio Lower Upper

240 100

120 9.7 8.0 12.0

236 25.8 19.8 29.8

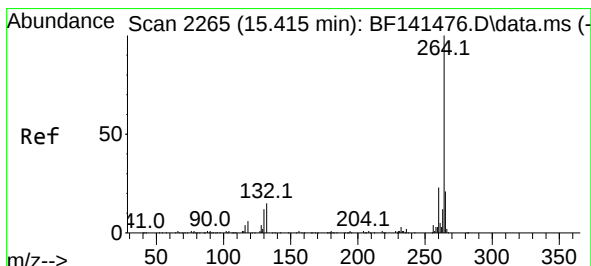
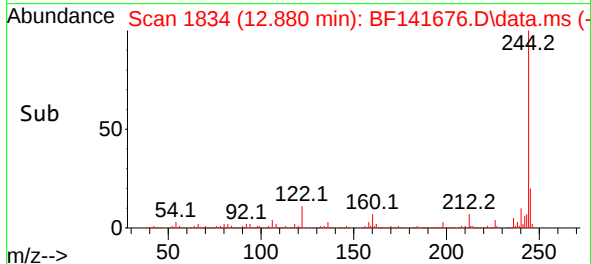
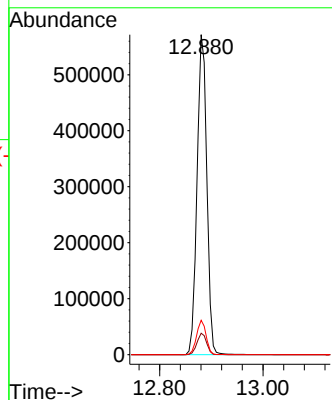
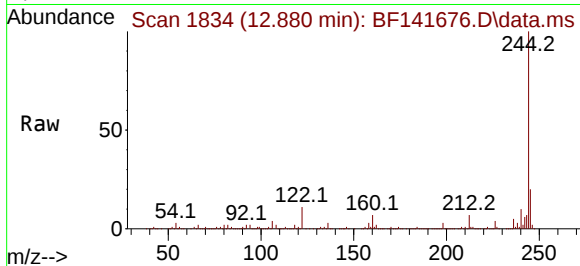




#79
 Terphenyl-d14
 Concen: 77.792 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141676.D
 Acq: 19 Feb 2025 15:45

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-03-021725

Tgt Ion:244 Resp: 748368
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.8 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: BF141676.D
 Acq: 19 Feb 2025 15:45

Tgt Ion:264 Resp: 150976
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.6 28.0
 265 20.9 17.0 25.4

