

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022025\
 Data File : BF141700.D
 Acq On : 20 Feb 2025 13:36
 Operator : RC/JU
 Sample : Q1383-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-PCS-TC-16-021725

Quant Time: Feb 20 14:33:30 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	6.775	152	82444	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	322017	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	167817	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	284309	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	192403	20.000	ng	-0.03
86) Perylene-d12	15.374	264	145631	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	416622	79.224	ng	-0.01
7) Phenol-d6	6.416	99	523552	78.769	ng	-0.02
23) Nitrobenzene-d5	7.340	82	329559	53.380	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	128585	76.275	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	628950	57.741	ng	-0.02
79) Terphenyl-d14	12.880	244	696166	61.083	ng	-0.02

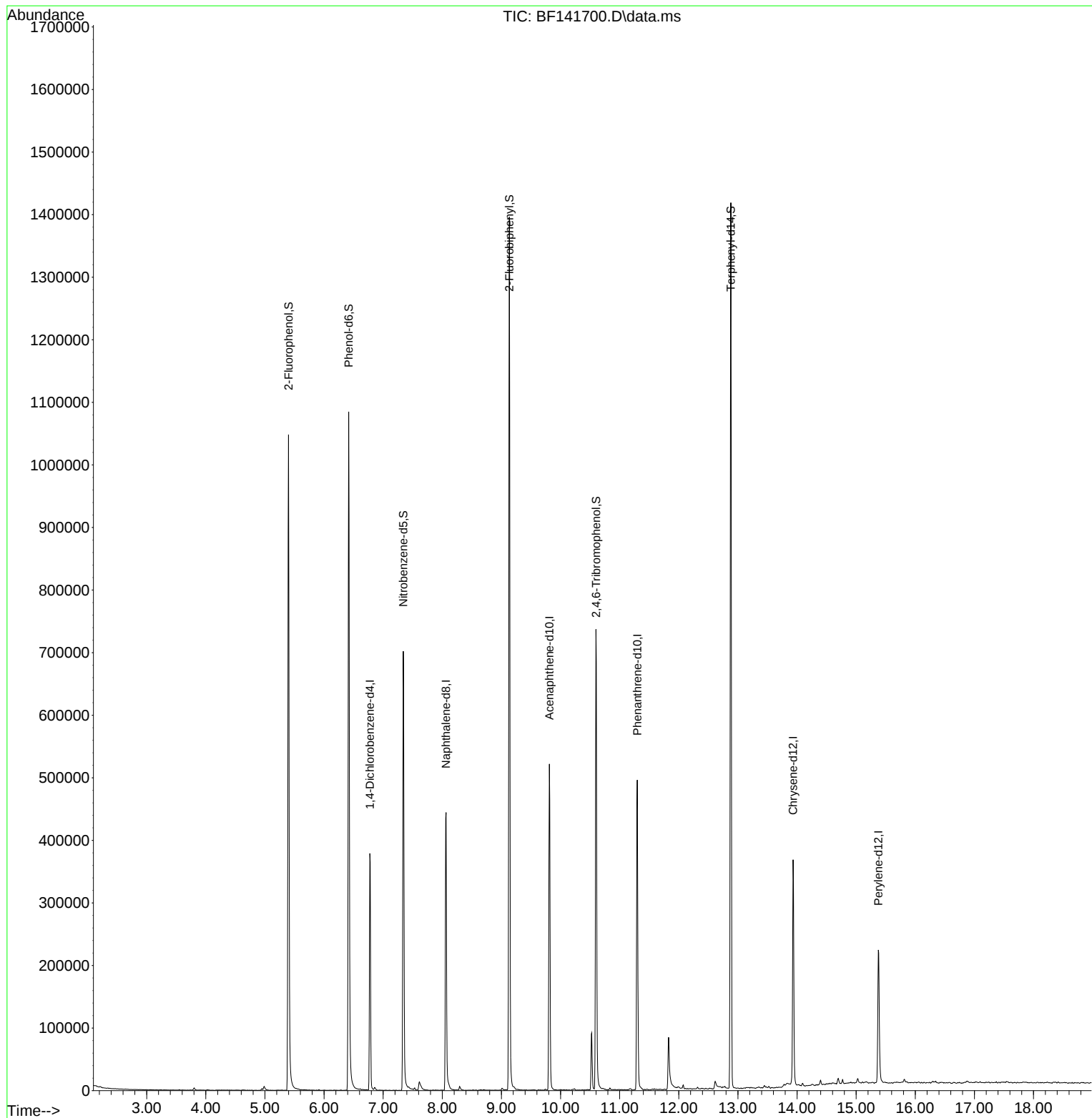
Target Compounds	Qvalue

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

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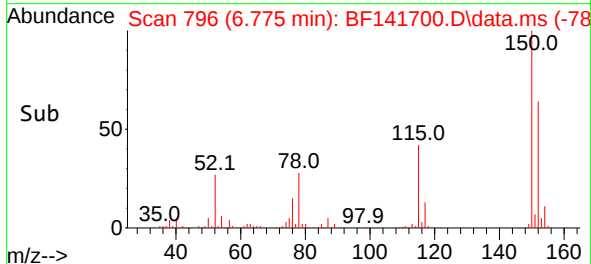
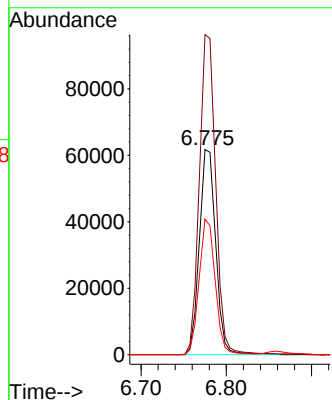
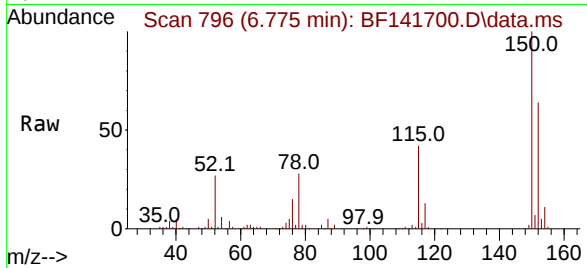




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

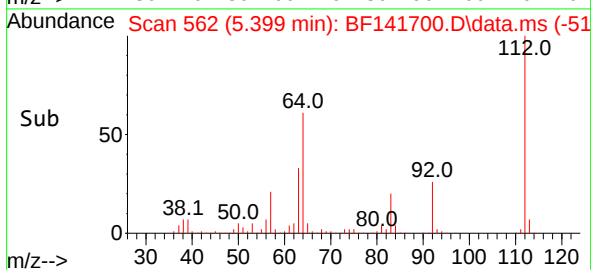
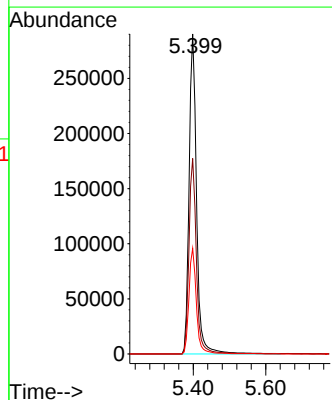
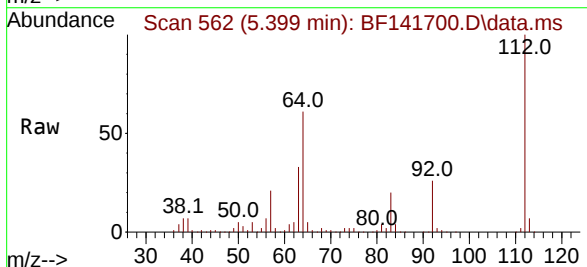
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion:152 Resp: 82444
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 66.0 53.6 80.4



#5
2-Fluorophenol
Concen: 79.224 ng
RT: 5.399 min Scan# 562
Delta R.T. -0.012 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion:112 Resp: 416622
Ion Ratio Lower Upper
112 100
64 61.1 51.1 76.7
63 33.0 28.4 42.6

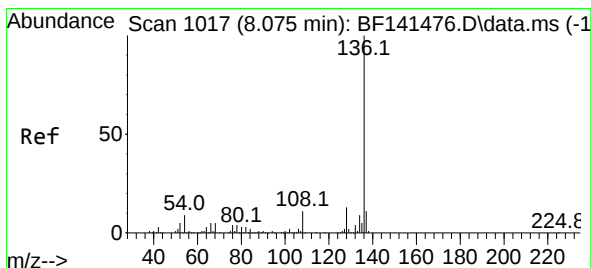
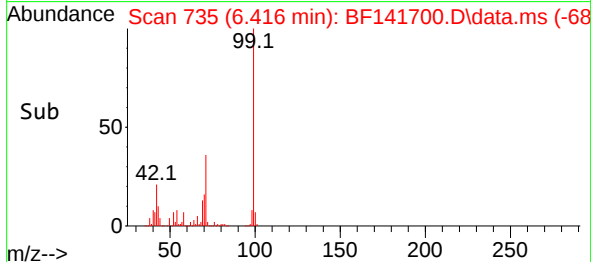
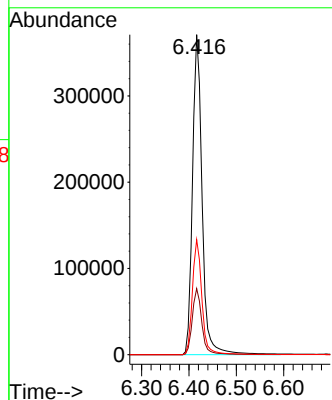
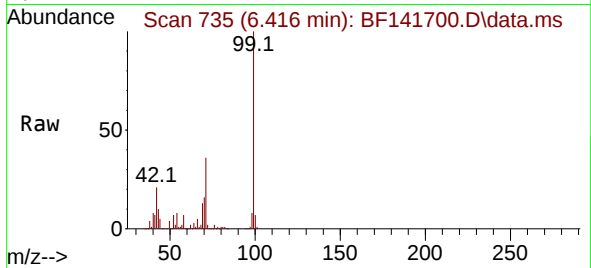




#7
Phenol-d6
Concen: 78.769 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141700.D
Acq: 20 Feb 2025 13:36

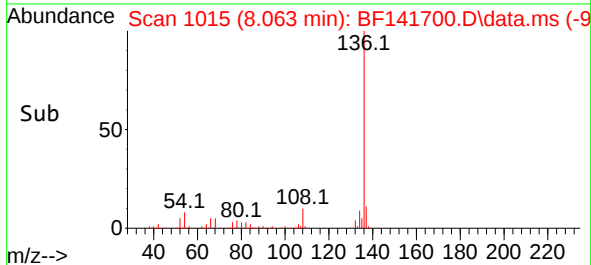
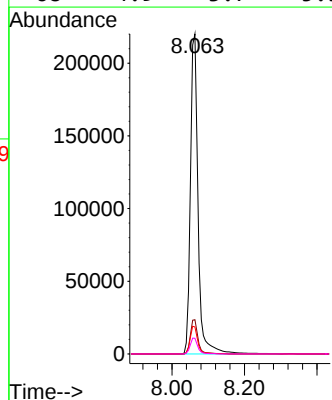
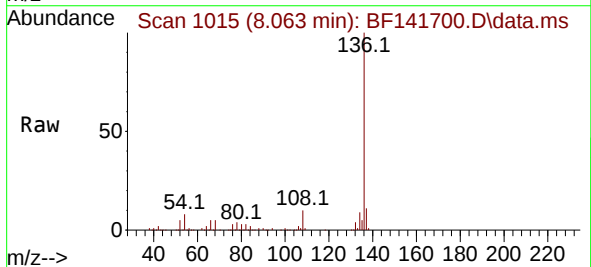
Instrument :
BNA_F
ClientSampleId :
OU4-PCS-TC-16-021725

Tgt Ion: 99 Resp: 523552
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 35.9 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: BF141700.D
Acq: 20 Feb 2025 13:36

Tgt Ion: 136 Resp: 322017
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 53.380 ng

RT: 7.340 min Scan# 895

Delta R.T. -0.023 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725

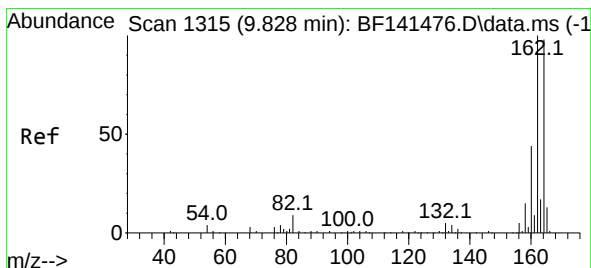
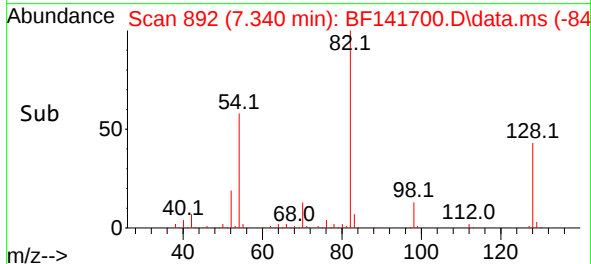
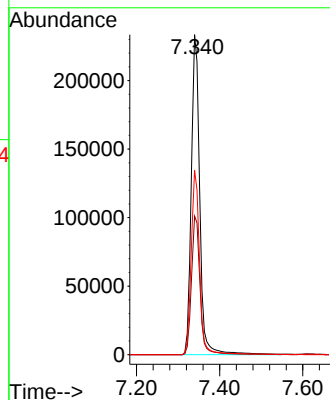
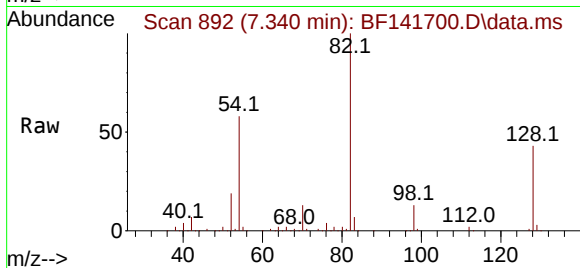
Tgt Ion: 82 Resp: 329559

Ion Ratio Lower Upper

82 100

128 43.3 34.8 52.2

54 57.6 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: BF141700.D

Acq: 20 Feb 2025 13:36

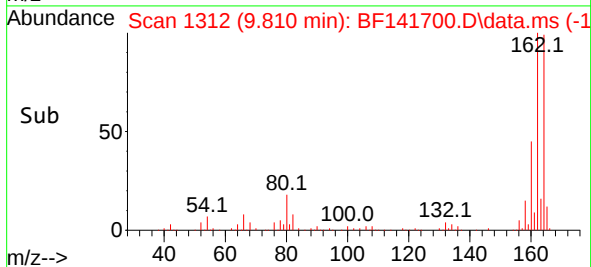
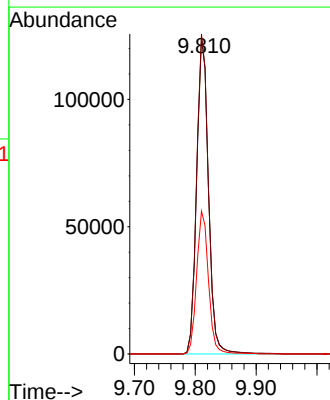
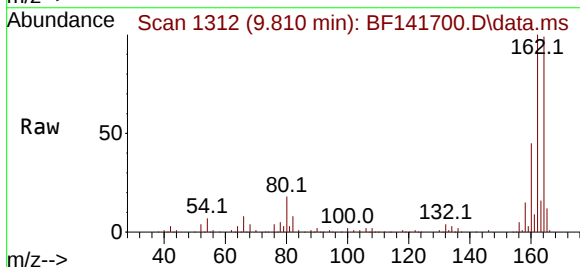
Tgt Ion:164 Resp: 167817

Ion Ratio Lower Upper

164 100

162 101.3 81.3 121.9

160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 76.275 ng

RT: 10.604 min Scan# 1450

Delta R.T. -0.023 min

Lab File: BF141700.D

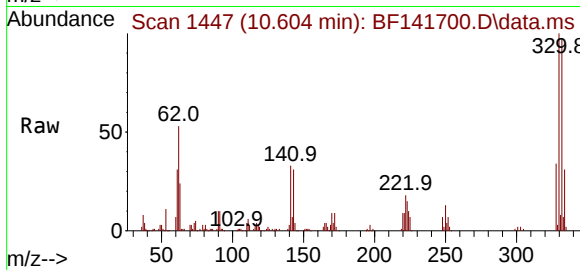
Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725



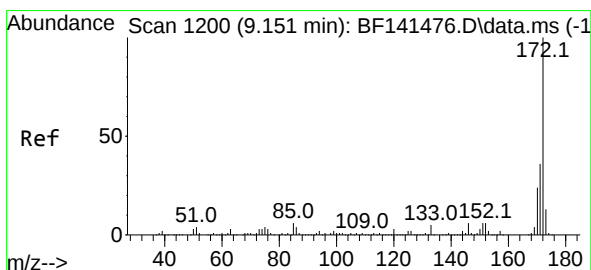
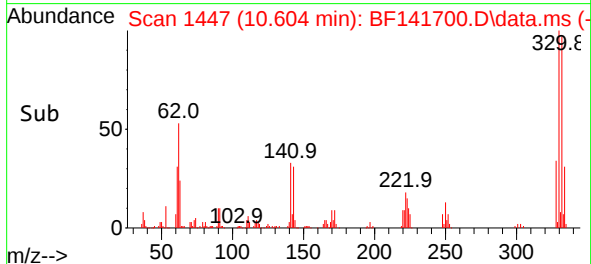
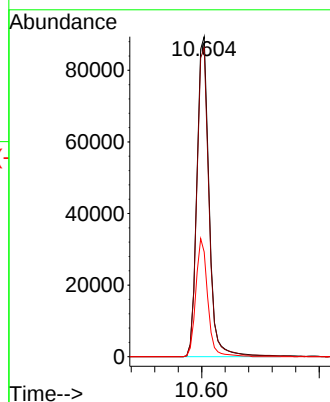
Tgt Ion:330 Resp: 128585

Ion Ratio Lower Upper

330 100

332 96.9 78.5 117.7

141 35.8 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.741 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

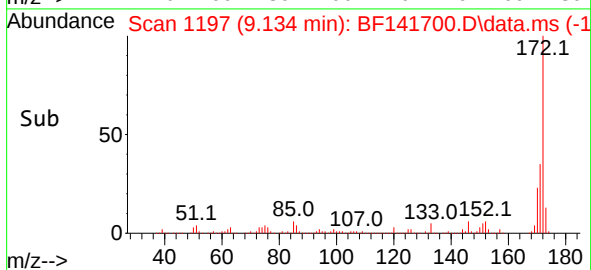
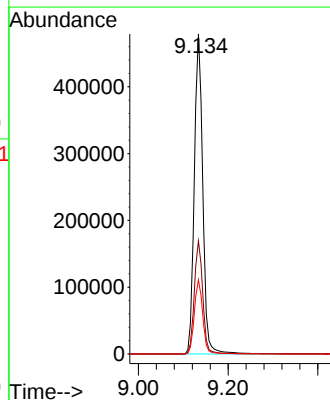
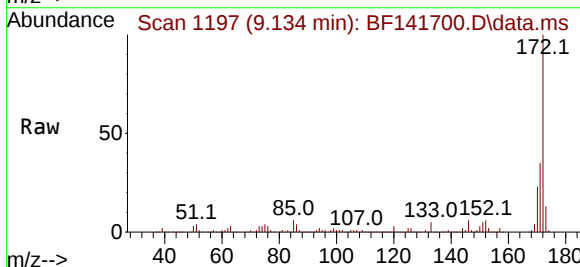
Tgt Ion:172 Resp: 628950

Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.1 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: BF141700.D

Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725

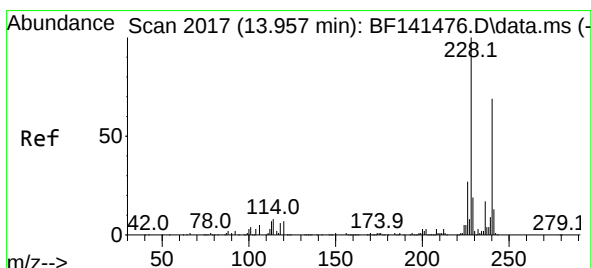
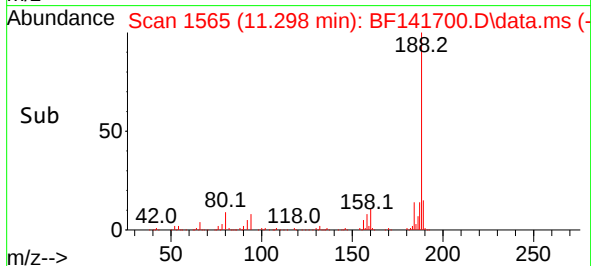
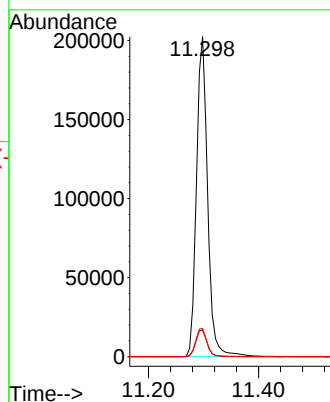
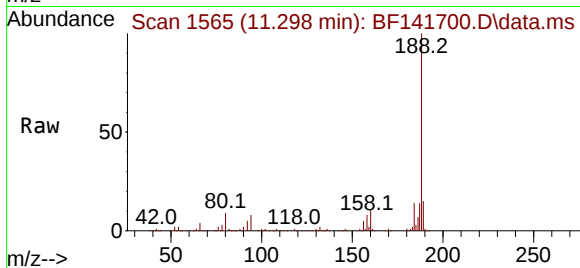
Tgt Ion:188 Resp: 284309

Ion Ratio Lower Upper

188 100

94 8.4 6.6 10.0

80 8.8 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: BF141700.D

Acq: 20 Feb 2025 13:36

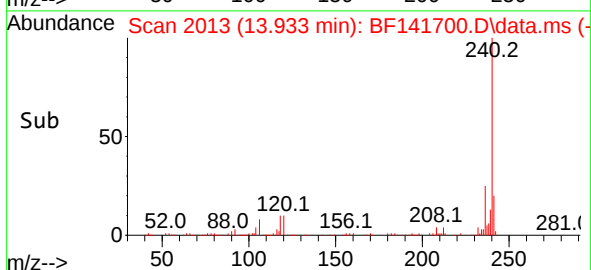
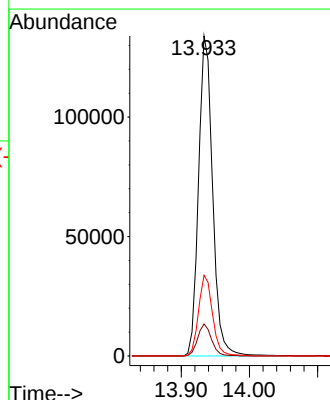
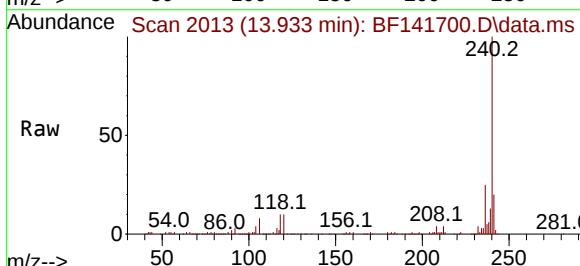
Tgt Ion:240 Resp: 192403

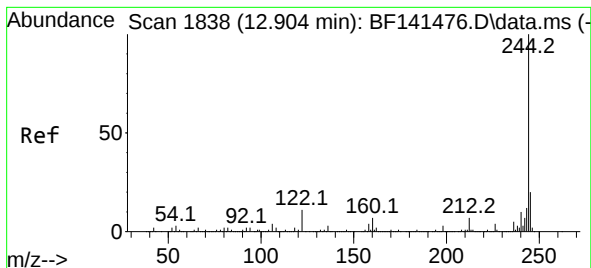
Ion Ratio Lower Upper

240 100

120 10.0 8.0 12.0

236 25.2 19.8 29.8





#79

Terphenyl-d14

Concen: 61.083 ng

RT: 12.880 min Scan# 11

Delta R.T. -0.023 min

Lab File: BF141700.D

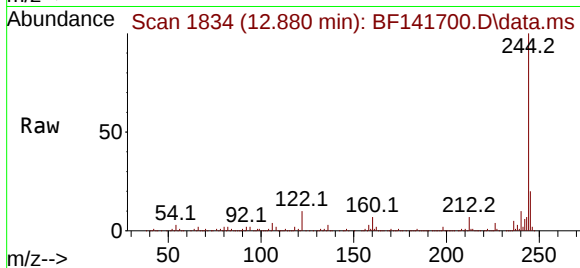
Acq: 20 Feb 2025 13:36

Instrument :

BNA_F

ClientSampleId :

OU4-PCS-TC-16-021725



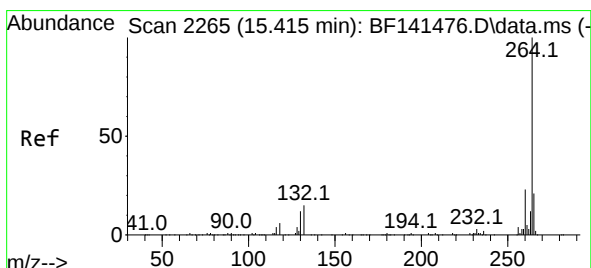
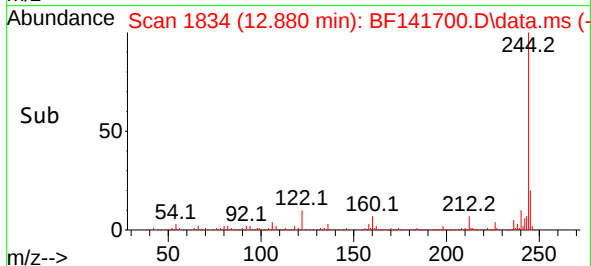
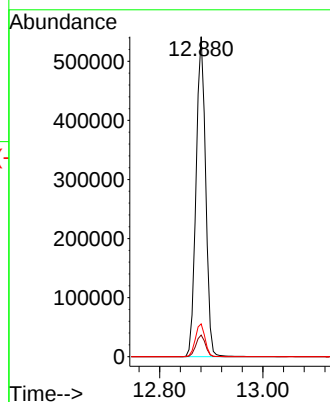
Tgt Ion:244 Resp: 696166

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 10.2 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141700.D

Acq: 20 Feb 2025 13:36

Tgt Ion:264 Resp: 145631

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 21.5 17.0 25.4

