

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141609.D
 Acq On : 13 Feb 2025 12:51
 Operator : RC/JU
 Sample : Q1343-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13

Quant Time: Feb 13 13:11:44 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)

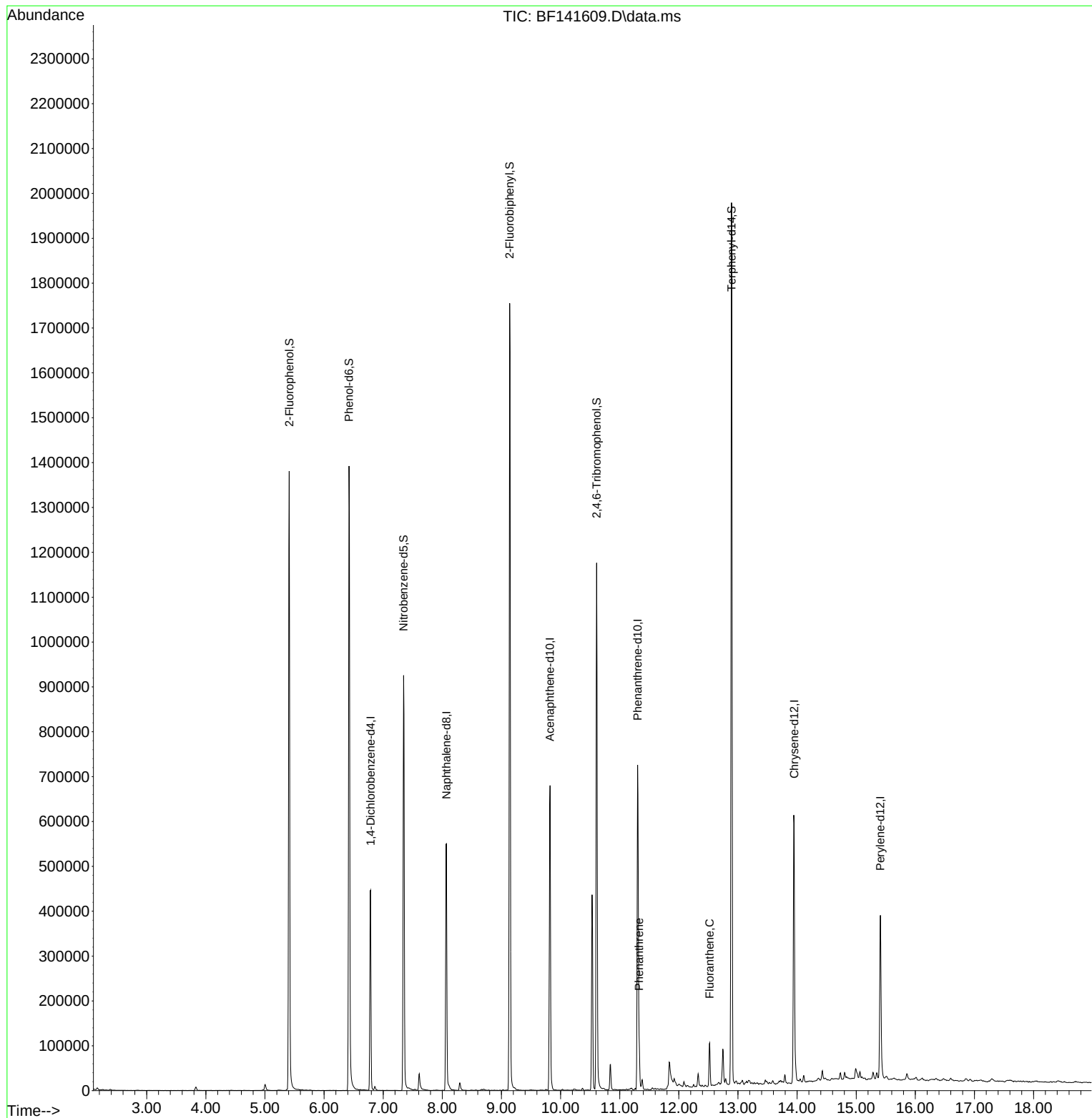
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	95544	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	392144	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	214866	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	388865	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	296511	20.000	ng	-0.01
86) Perylene-d12	15.409	264	220737	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	513169	84.204	ng	0.00
7) Phenol-d6	6.422	99	647406	84.048	ng	-0.02
23) Nitrobenzene-d5	7.345	82	428451	56.987	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	192027	88.966	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	803696	57.627	ng	-0.01
79) Terphenyl-d14	12.892	244	965566	54.974	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.327	178	49430	2.309	ng	97
75) Fluoranthene	12.521	202	60057	2.646	ng	98

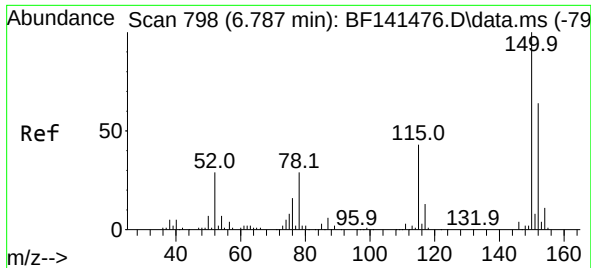
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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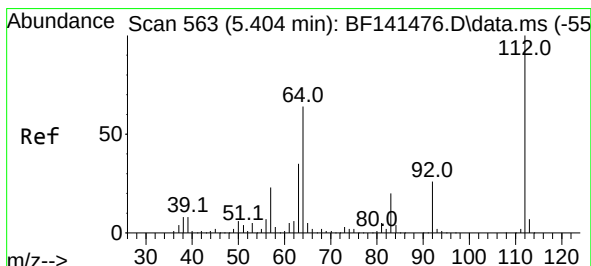
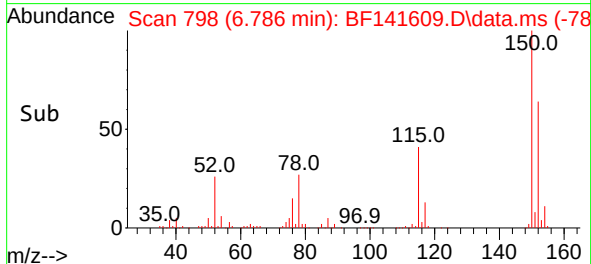
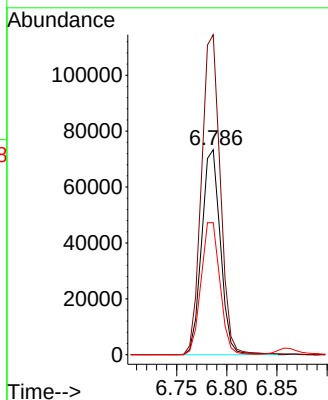
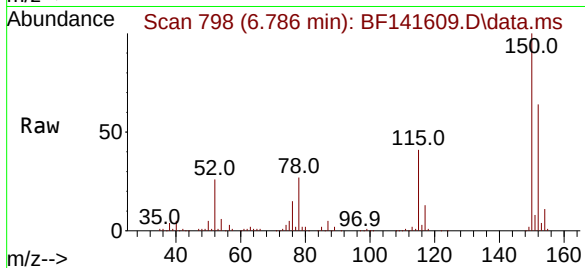




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

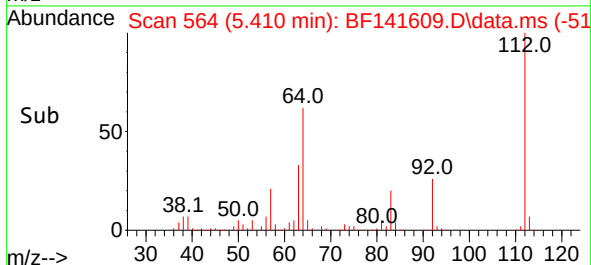
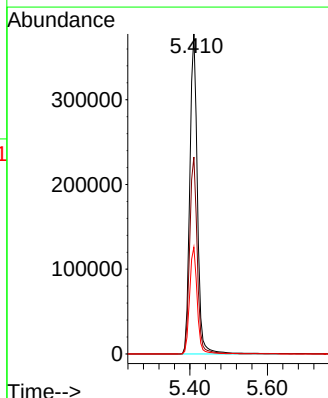
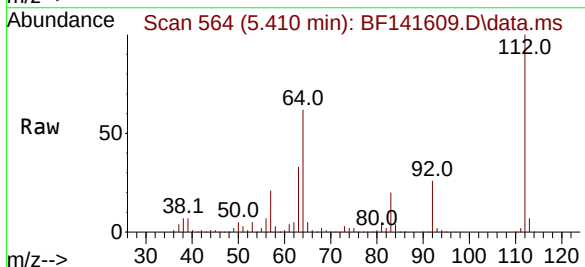
Instrument :
BNA_F
ClientSampleId :
WC-13

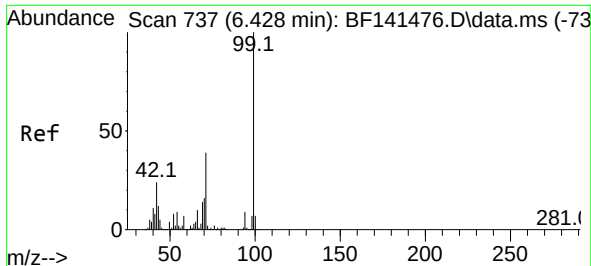
Tgt Ion:152 Resp: 95544
Ion Ratio Lower Upper
152 100
150 156.2 125.0 187.4
115 64.5 53.6 80.4



#5
2-Fluorophenol
Concen: 84.204 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:112 Resp: 513169
Ion Ratio Lower Upper
112 100
64 61.5 51.1 76.7
63 33.3 28.4 42.6

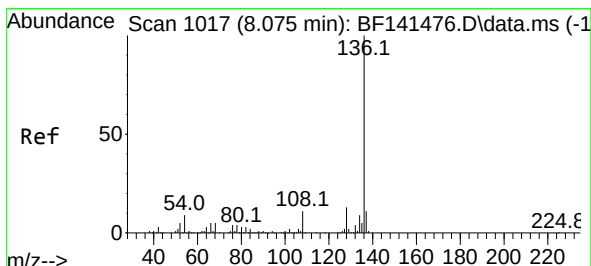
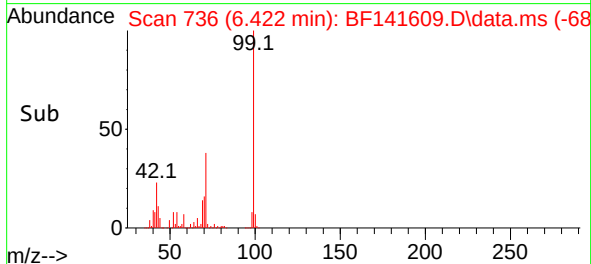
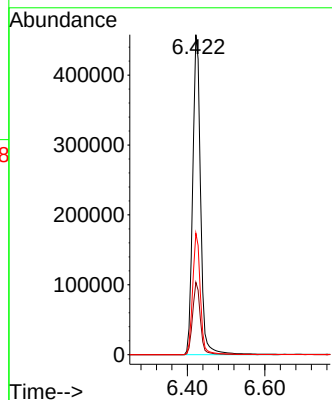
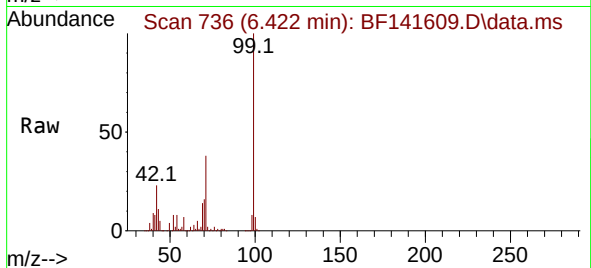




#7
Phenol-d6
Concen: 84.048 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

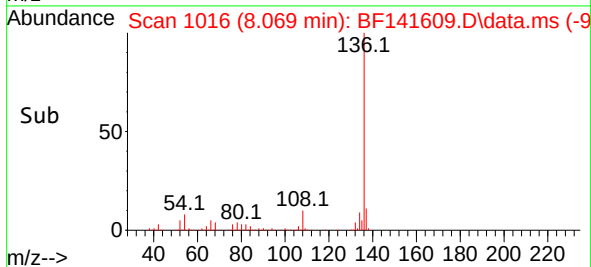
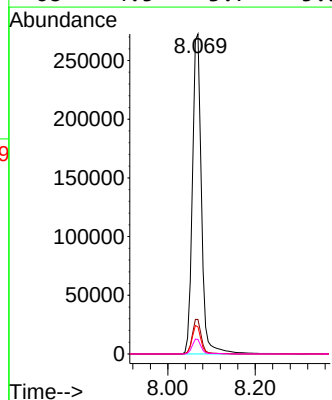
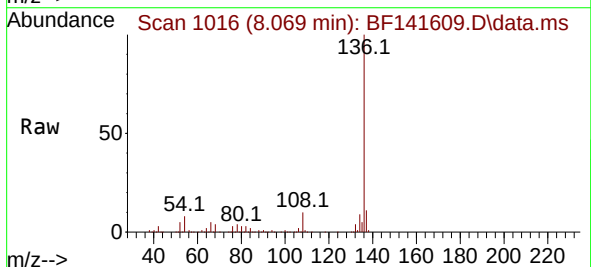
Instrument :
BNA_F
ClientSampleId :
WC-13

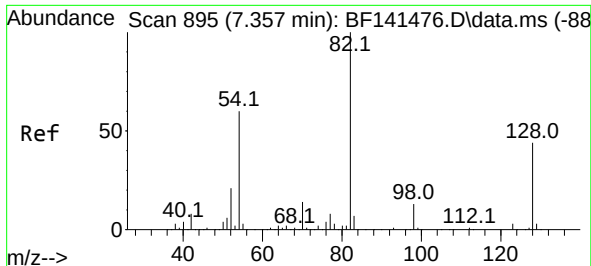
Tgt Ion: 99 Resp: 647406
Ion Ratio Lower Upper
99 100
42 22.6 19.1 28.7
71 38.0 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion: 136 Resp: 392144
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.5 7.2 10.8
68 4.5 3.7 5.5

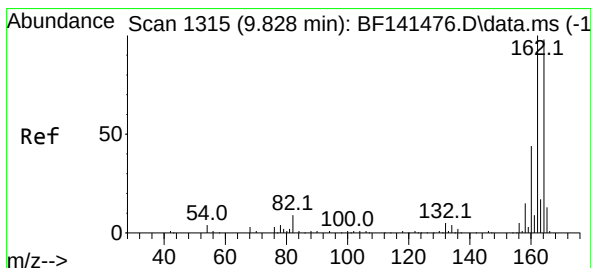
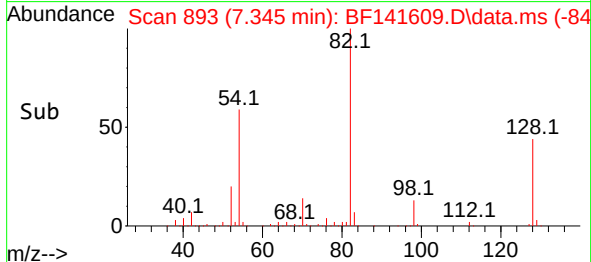
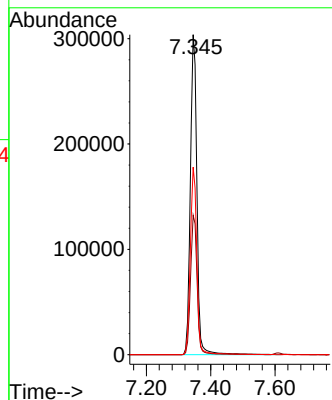
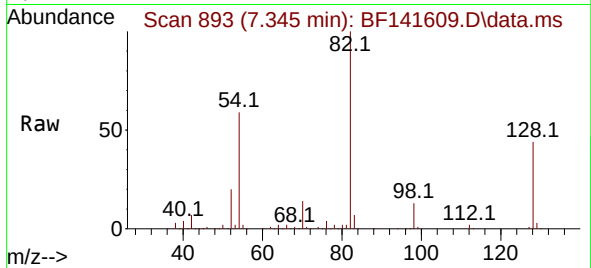




#23
Nitrobenzene-d5
Concen: 56.987 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

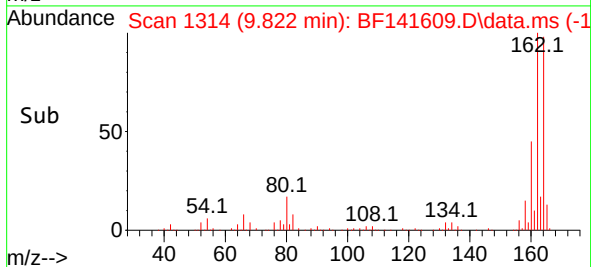
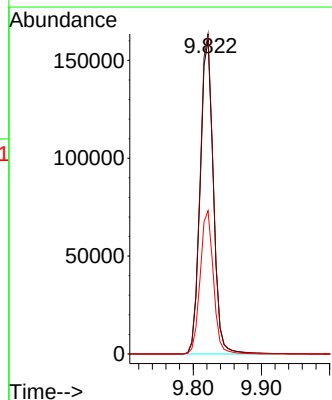
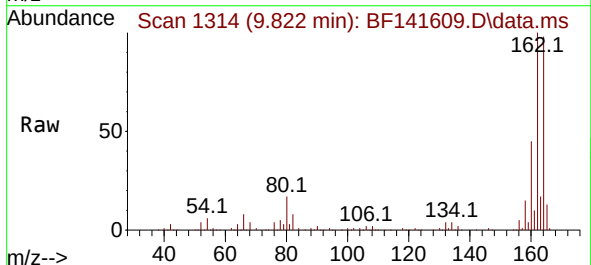
Instrument :
BNA_F
ClientSampleId :
WC-13

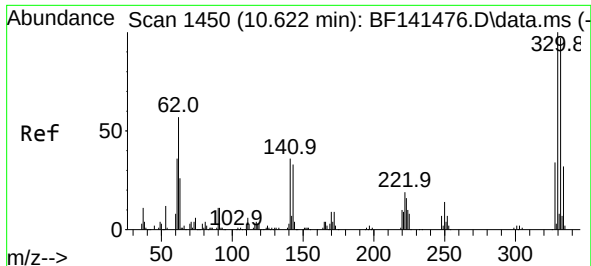
Tgt Ion: 82 Resp: 428451
Ion Ratio Lower Upper
82 100
128 43.6 34.8 52.2
54 58.6 48.2 72.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:164 Resp: 214866
Ion Ratio Lower Upper
164 100
162 102.0 81.3 121.9
160 45.6 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 88.966 ng

RT: 10.610 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Instrument :

BNA_F

ClientSampleId :

WC-13

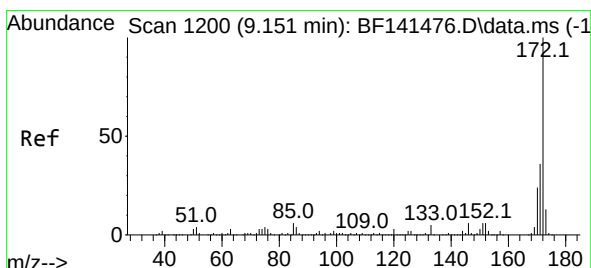
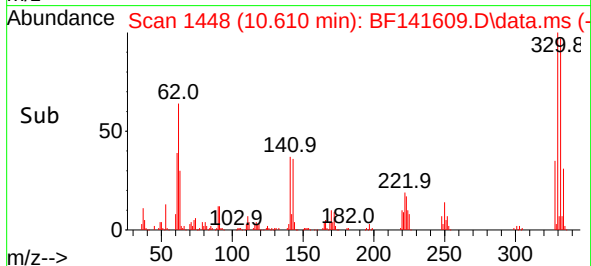
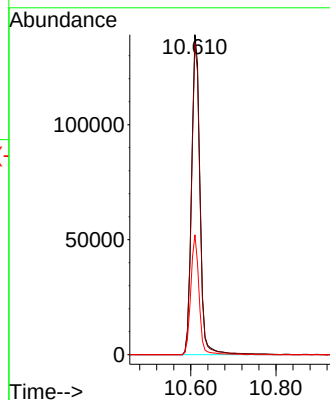
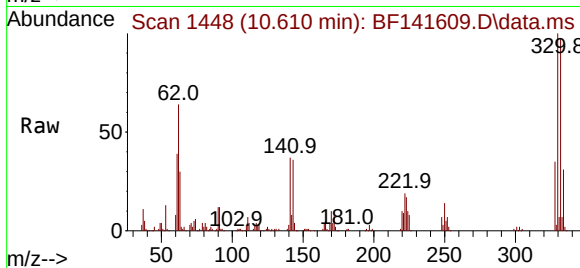
Tgt Ion:330 Resp: 192027

Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 36.4 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 57.627 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

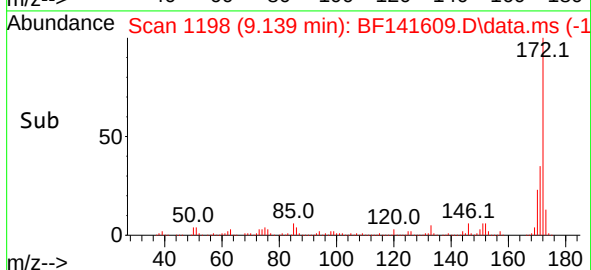
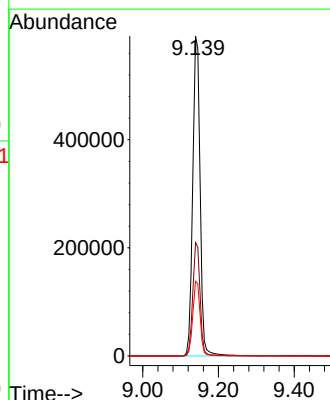
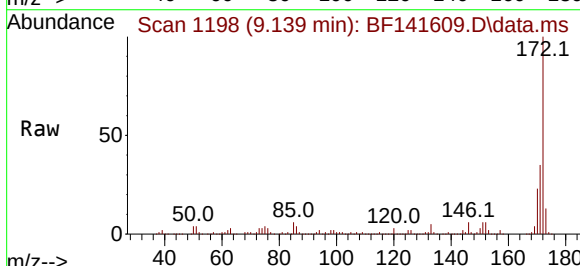
Tgt Ion:172 Resp: 803696

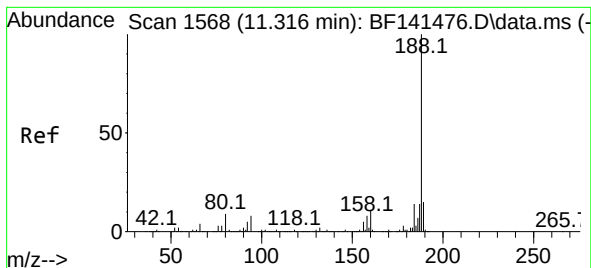
Ion Ratio Lower Upper

172 100

171 35.4 28.7 43.1

170 23.4 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Instrument :

BNA_F

ClientSampleId :

WC-13

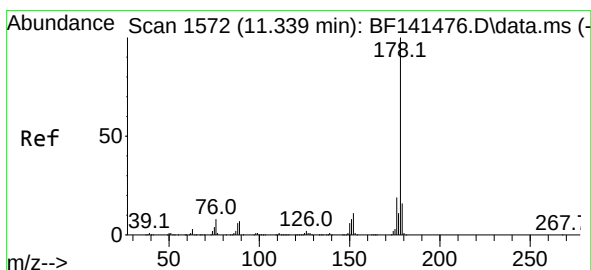
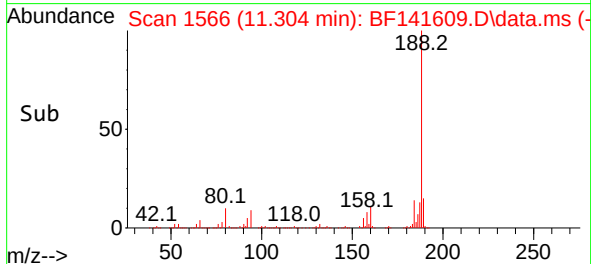
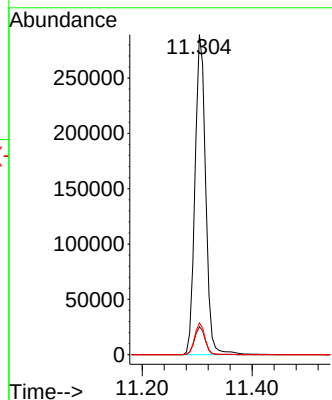
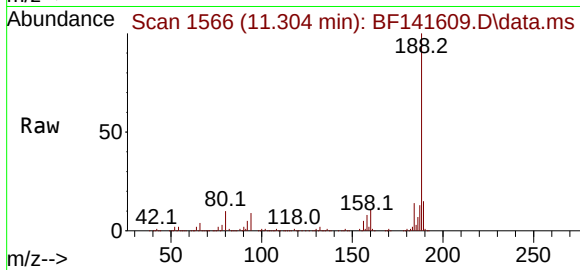
Tgt Ion:188 Resp: 388865

Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 10.0 7.3 10.9



#71

Phenanthrene

Concen: 2.309 ng

RT: 11.327 min Scan# 1570

Delta R.T. -0.018 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

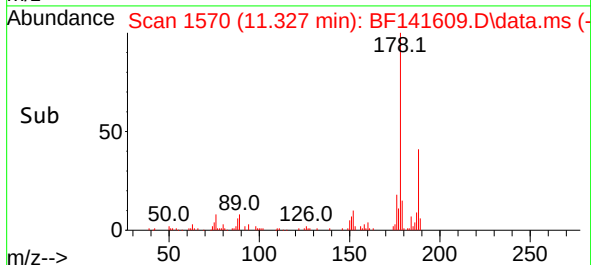
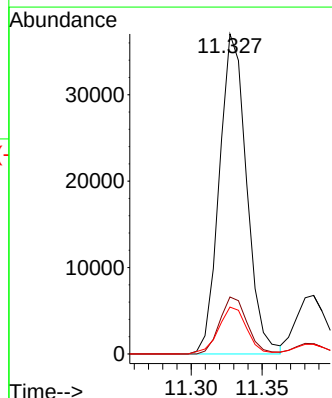
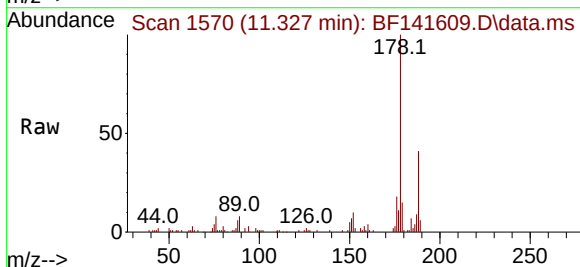
Tgt Ion:178 Resp: 49430

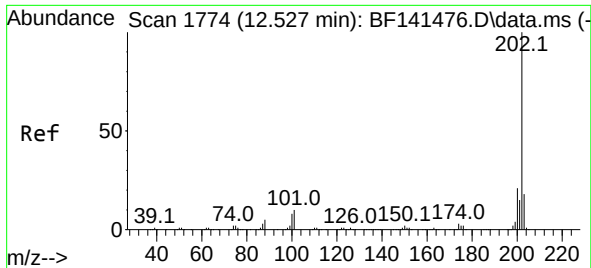
Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.0

179 14.6 12.4 18.6

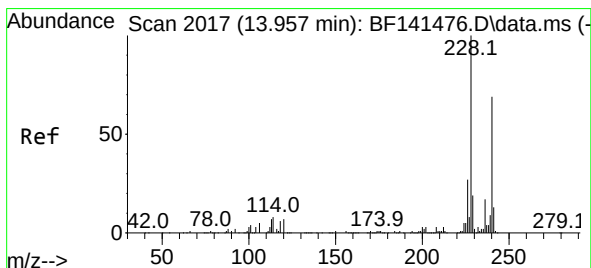
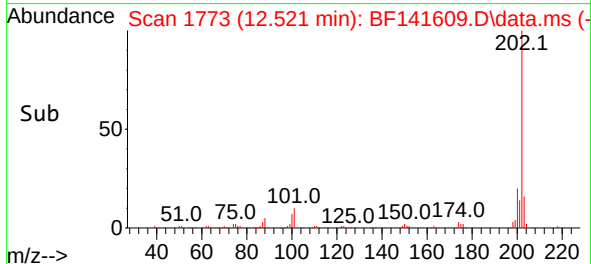
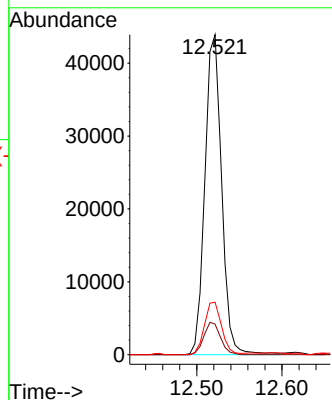
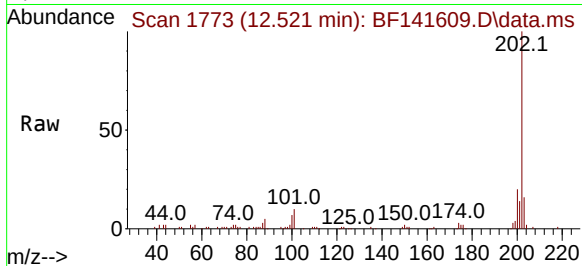




#75
Fluoranthene
Concen: 2.646 ng
RT: 12.521 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

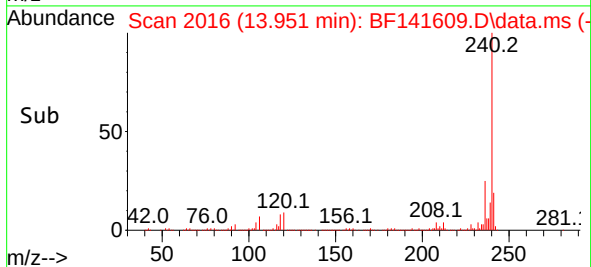
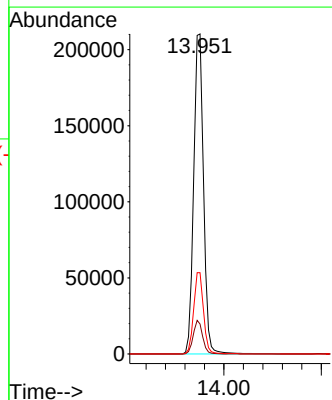
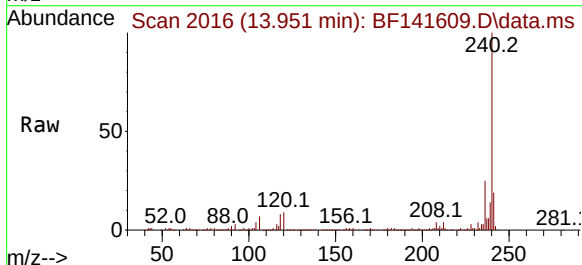
Instrument :
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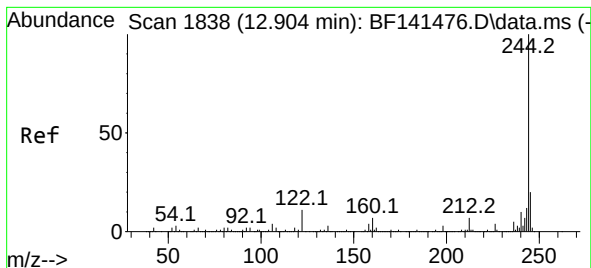
Tgt Ion:202 Resp: 60057
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 16.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141609.D
Acq: 13 Feb 2025 12:51

Tgt Ion:240 Resp: 296511
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 25.4 19.8 29.8





#79

Terphenyl-d14

Concen: 54.974 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Instrument :

BNA_F

ClientSampleId :

WC-13

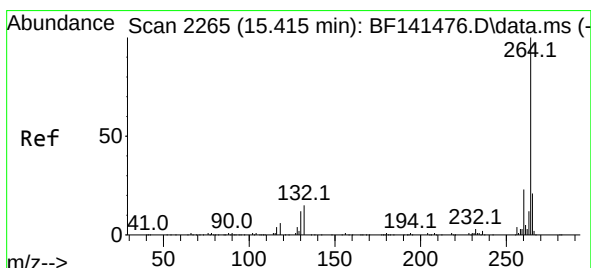
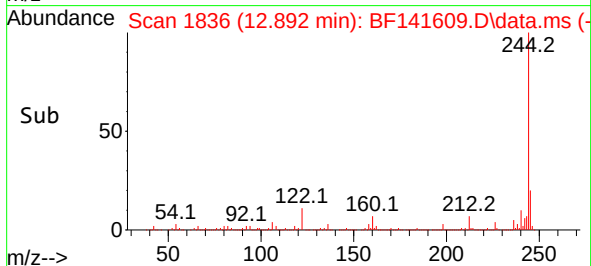
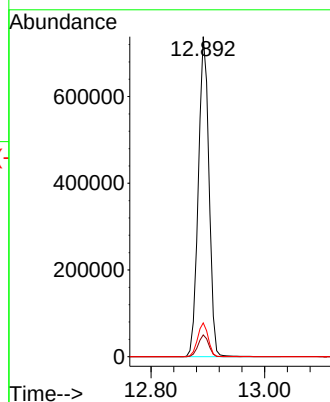
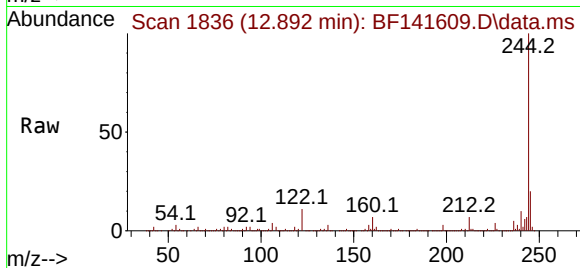
Tgt Ion:244 Resp: 965566

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.6 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF141609.D

Acq: 13 Feb 2025 12:51

Tgt Ion:264 Resp: 220737

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.2 17.0 25.4

