

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141343.D
 Acq On : 31 Jan 2025 20:30
 Operator : RC/JU
 Sample : Q1221-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHESTNUT-CONCRETE

Quant Time: Jan 31 22:32:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

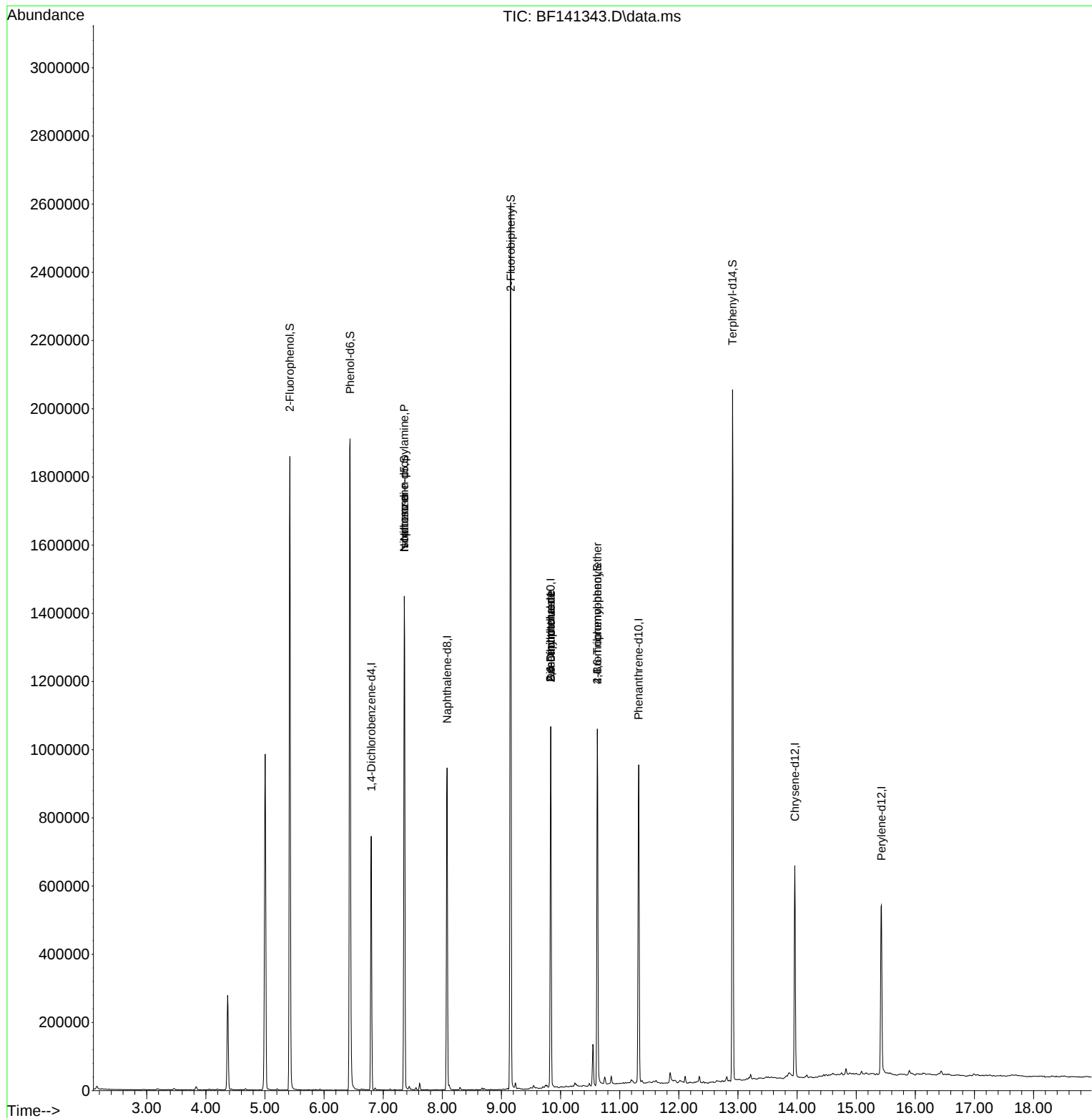
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	147566	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	588272	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	307886	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	471408	20.000	ng	0.00
76) Chrysene-d12	13.963	240	295318	20.000	ng	-0.01
86) Perylene-d12	15.427	264	296220	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	683564	71.115	ng	0.01
7) Phenol-d6	6.439	99	945078	77.289	ng	0.00
23) Nitrobenzene-d5	7.357	82	629945	56.451	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	160675	56.924	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	1158369	57.909	ng	0.00
79) Terphenyl-d14	12.910	244	976382	50.988	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	84603	11.644	ng	# 75
25) Isophorone	7.357	82	622306	32.261	ng	# 65
50) Dimethylphthalate	9.833	163	45283	2.178	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	39252	8.130	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	39253	6.279	ng	# 23
67) 4-Bromophenyl-phenylether	10.622	248	11584	2.195	ng	# 1

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

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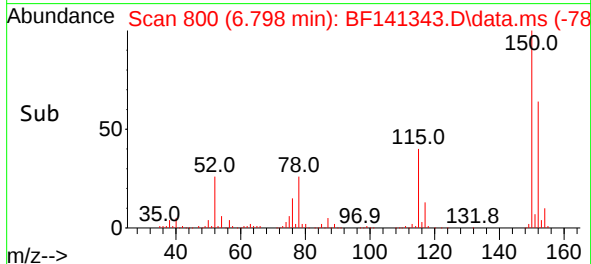
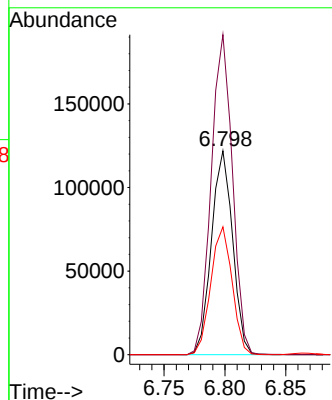
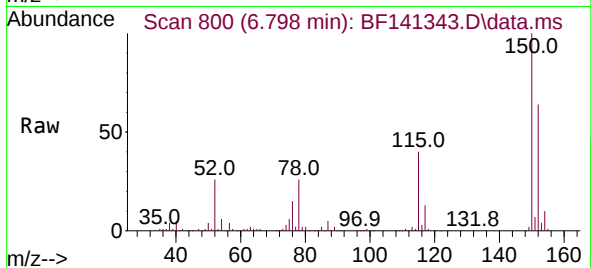




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

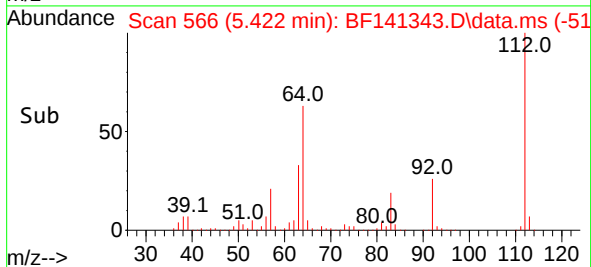
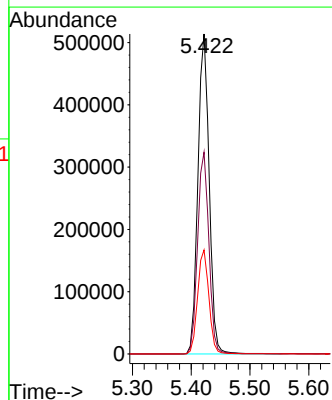
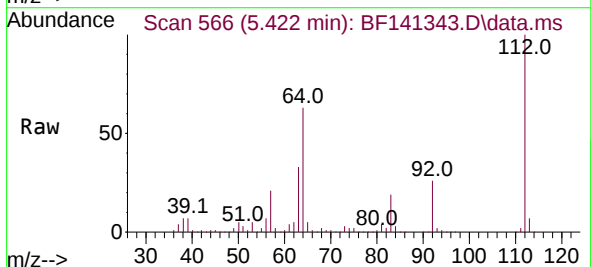
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

Tgt Ion:152 Resp: 147566
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 62.7 49.7 74.5



#5
2-Fluorophenol
Concen: 71.115 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

Tgt Ion:112 Resp: 683564
Ion Ratio Lower Upper
112 100
64 63.0 49.8 74.8
63 32.5 26.1 39.1





#7

Phenol-d6

Concen: 77.289 ng

RT: 6.439 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141343.D

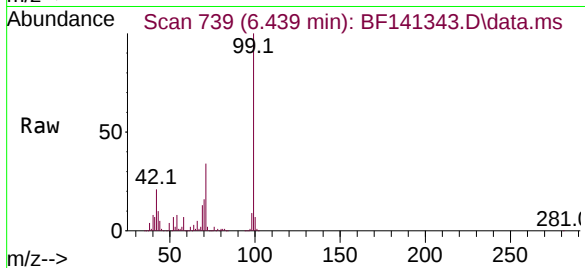
Acq: 31 Jan 2025 20:30

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE



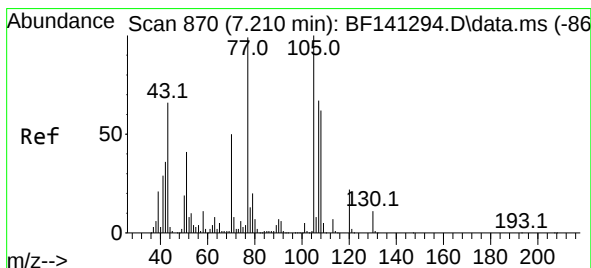
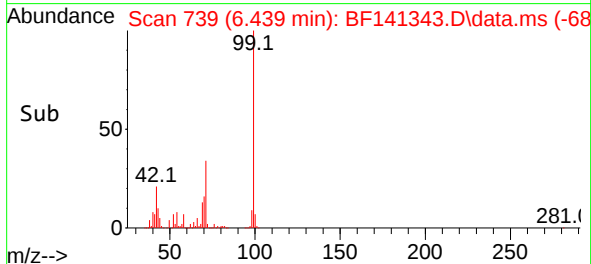
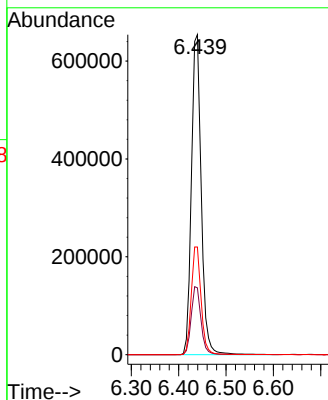
Tgt Ion: 99 Resp: 945078

Ion Ratio Lower Upper

99 100

42 20.9 17.1 25.7

71 33.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.644 ng

RT: 7.357 min Scan# 895

Delta R.T. 0.129 min

Lab File: BF141343.D

Acq: 31 Jan 2025 20:30

Tgt Ion: 70 Resp: 84603

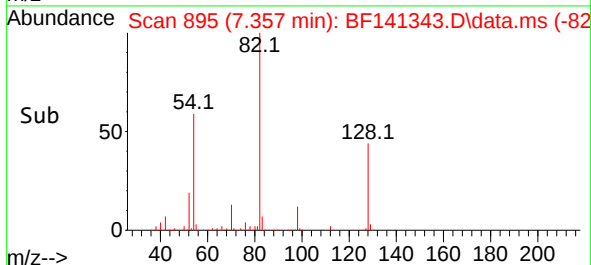
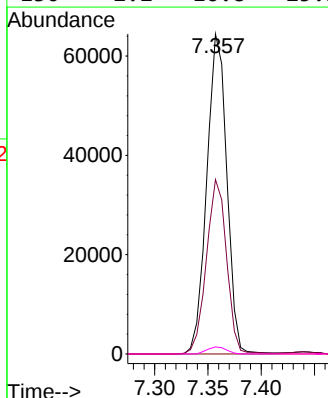
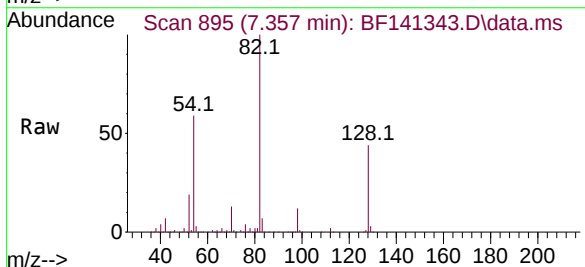
Ion Ratio Lower Upper

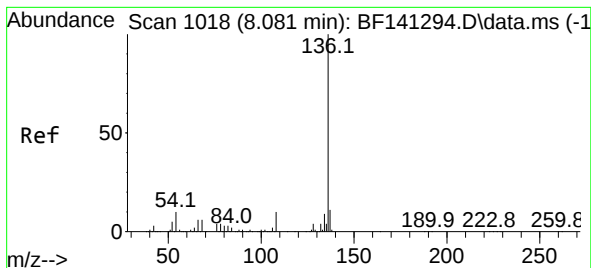
70 100

42 54.5 56.8 85.2#

101 0.0 7.7 11.5#

130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141343.D

Acq: 31 Jan 2025 20:30

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE

Tgt Ion:136 Resp: 588272

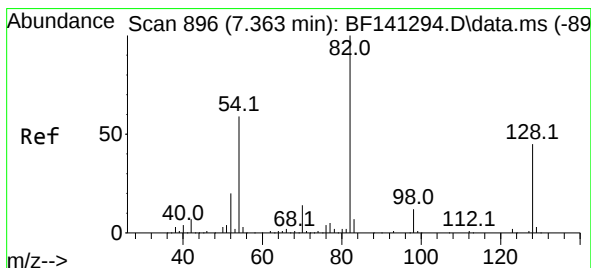
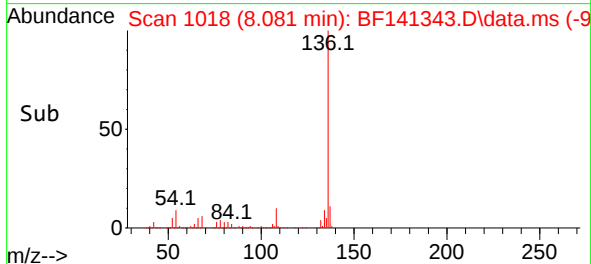
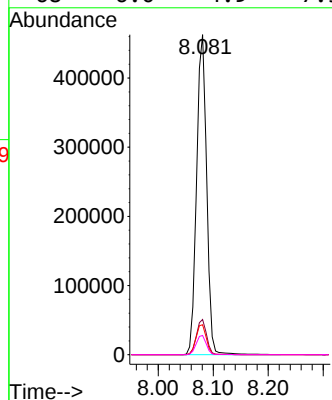
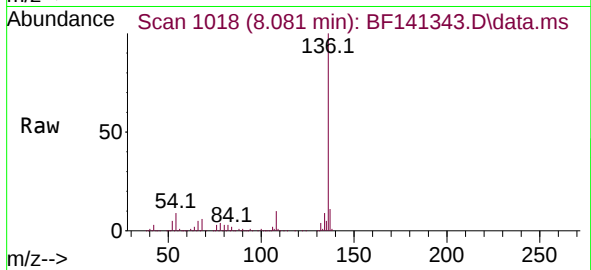
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.4 7.8 11.8

68 6.0 4.9 7.3



#23

Nitrobenzene-d5

Concen: 56.451 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141343.D

Acq: 31 Jan 2025 20:30

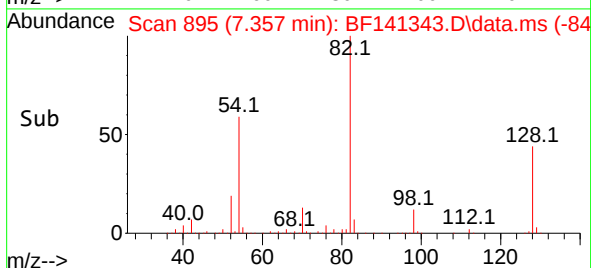
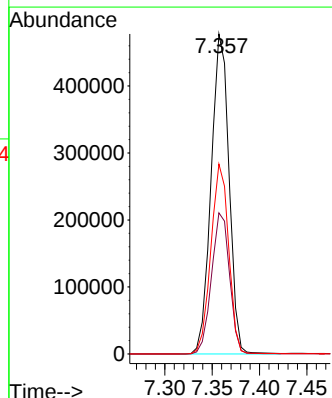
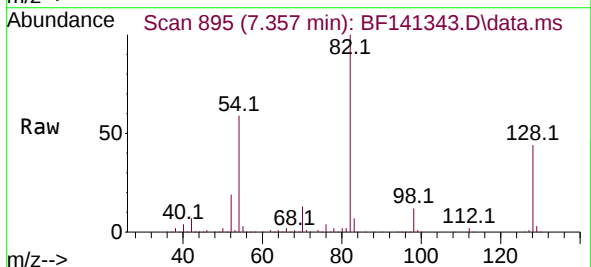
Tgt Ion: 82 Resp: 629945

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 59.3 47.1 70.7

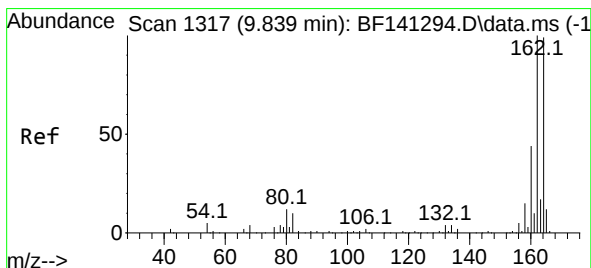
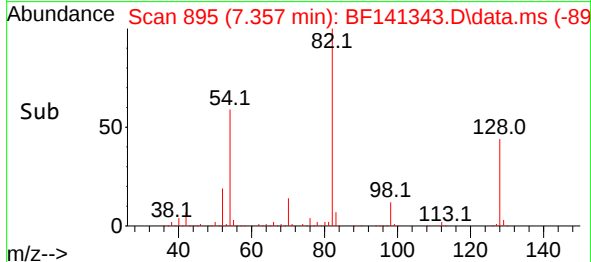
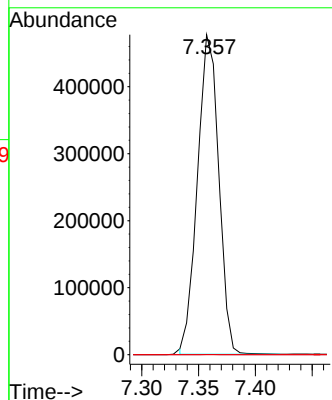
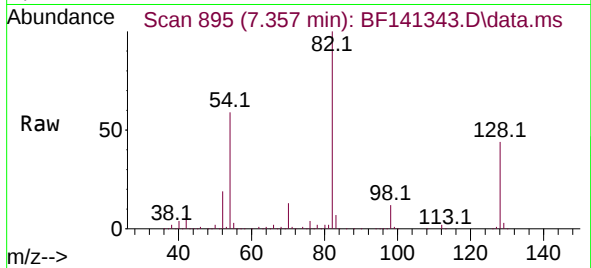




#25
Isophorone
Concen: 32.261 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

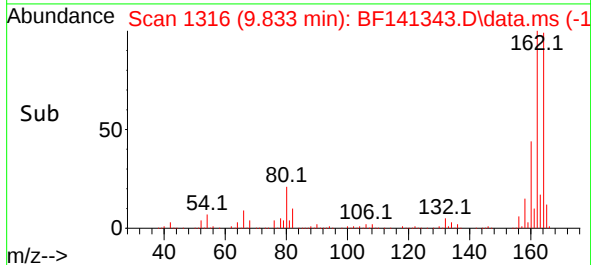
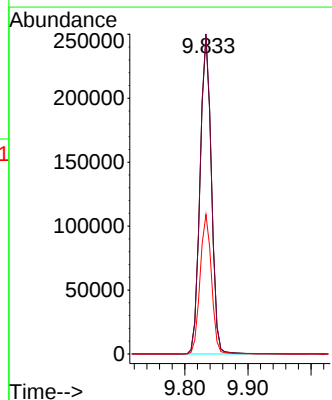
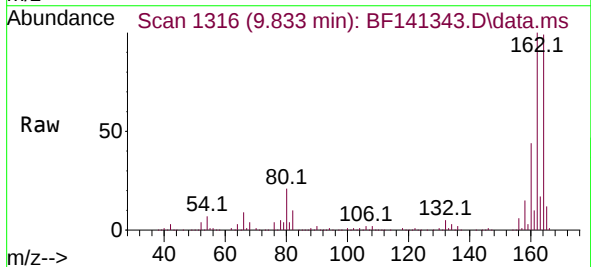
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

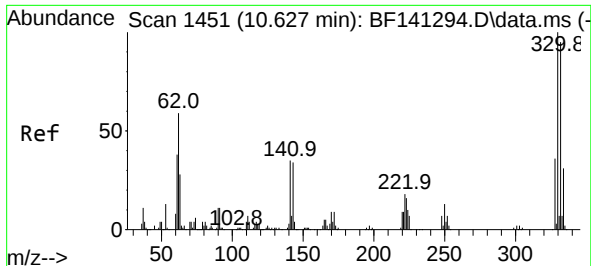
Tgt Ion: 82 Resp: 622306
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

Tgt Ion: 164 Resp: 307886
Ion Ratio Lower Upper
164 100
162 101.0 80.6 121.0
160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 56.924 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF141343.D

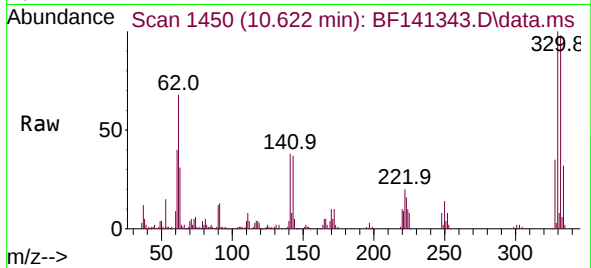
Acq: 31 Jan 2025 20:30

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE



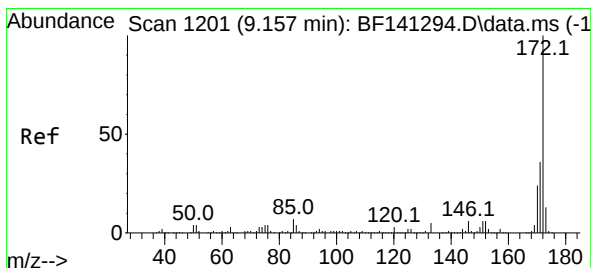
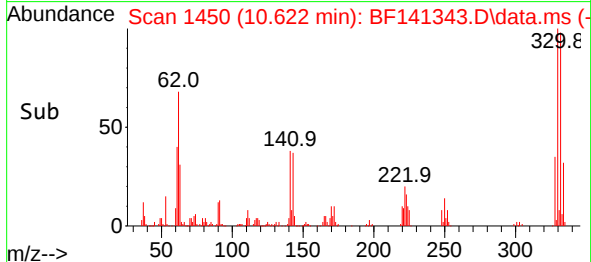
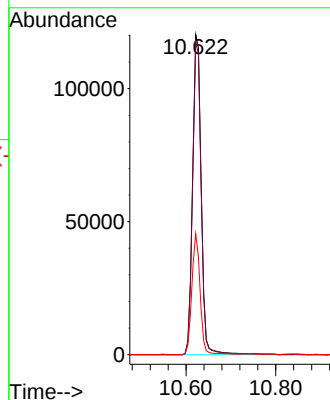
Tgt Ion:330 Resp: 160675

Ion Ratio Lower Upper

330 100

332 97.4 76.1 114.1

141 36.3 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 57.909 ng

RT: 9.157 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF141343.D

Acq: 31 Jan 2025 20:30

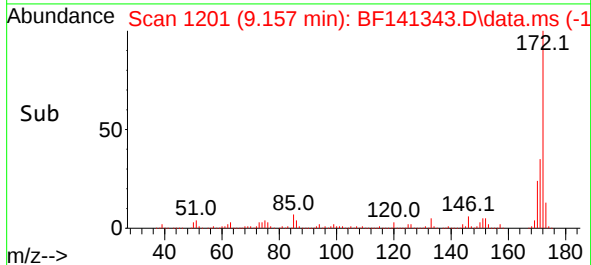
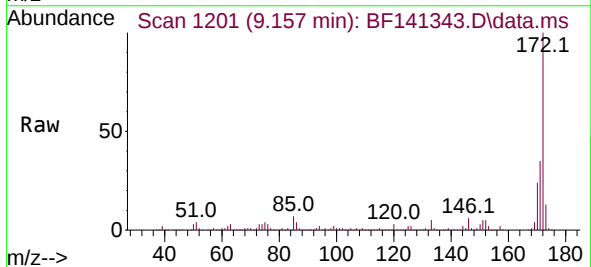
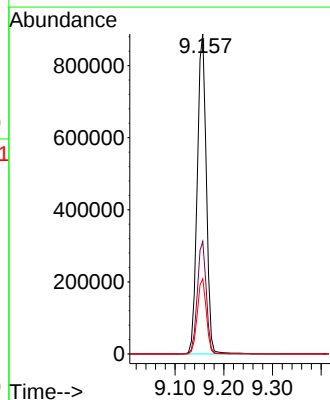
Tgt Ion:172 Resp: 1158369

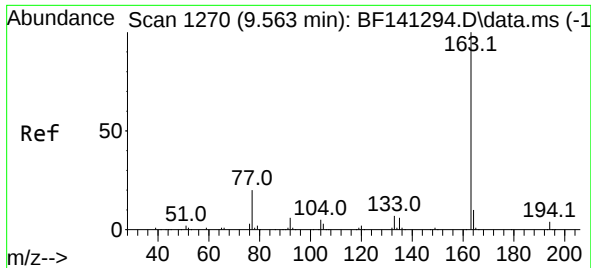
Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.5 19.0 28.6

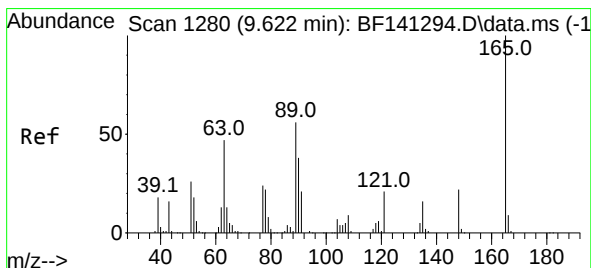
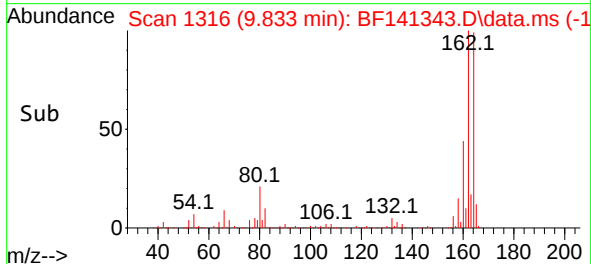
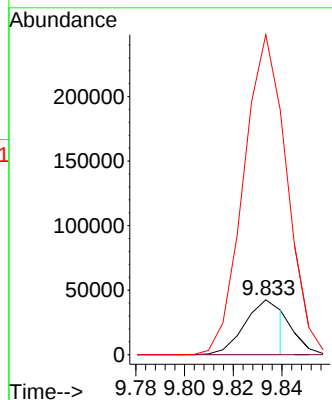
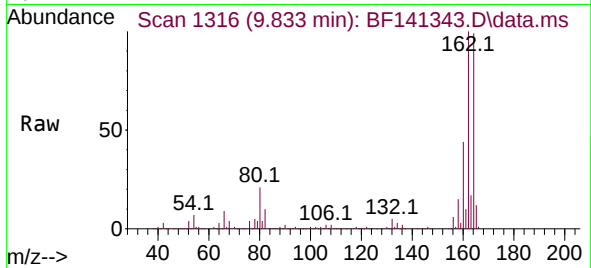




#50
Dimethylphthalate
Concen: 2.178 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.264 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

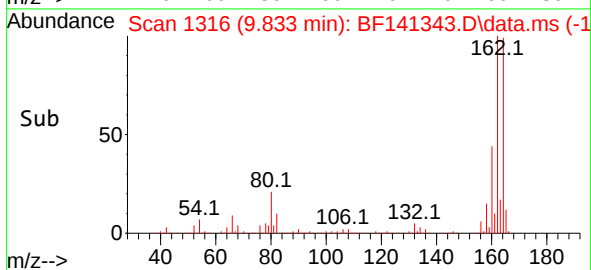
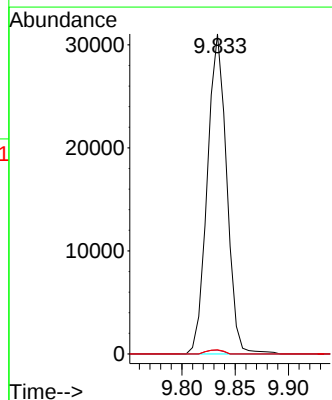
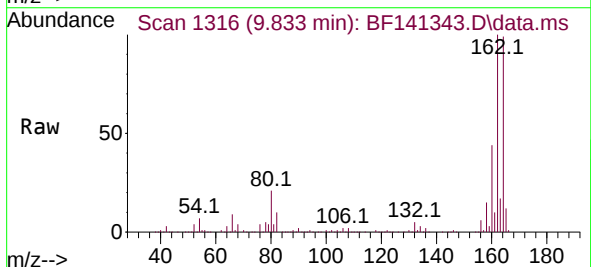
Instrument :
BNA_F
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CHESTNUT-CONCRETE

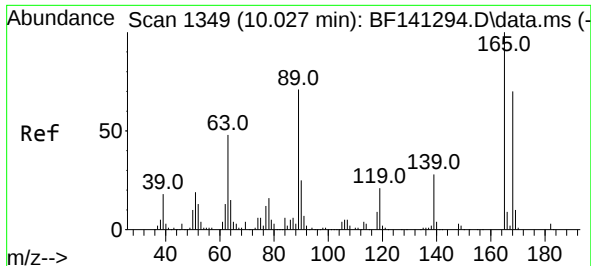
Tgt Ion:163 Resp: 45283
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 582.9 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.130 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

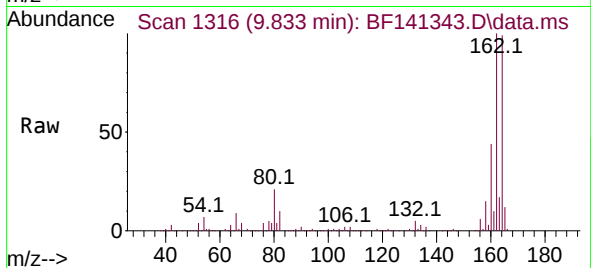
Tgt Ion:165 Resp: 39252
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.3 44.9 67.3#



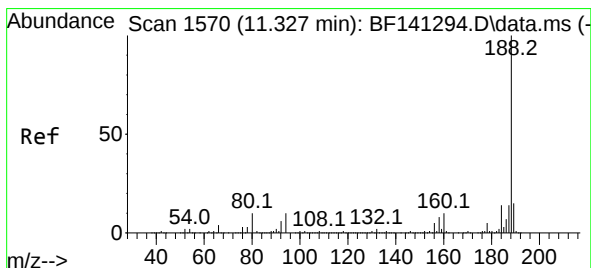
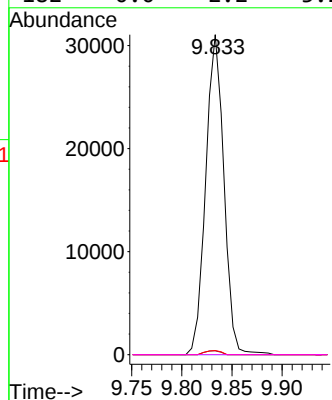
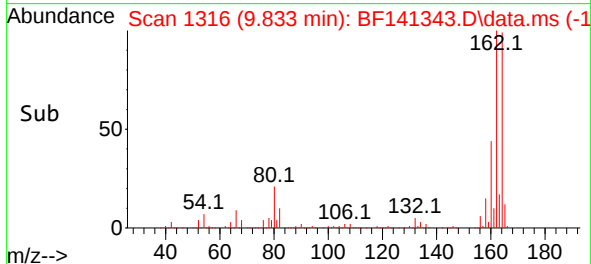


#57
2,4-Dinitrotoluene
Concen: 6.279 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

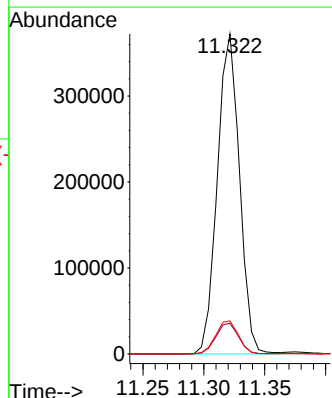
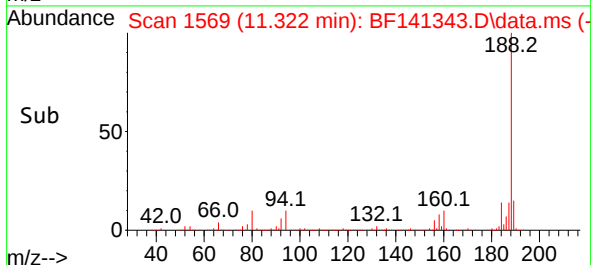
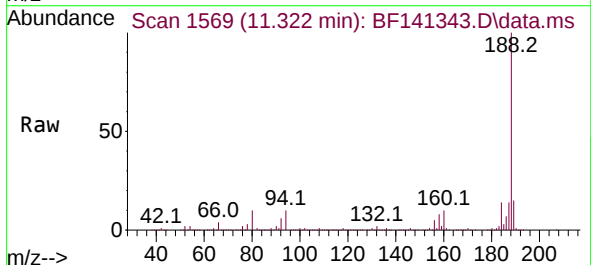


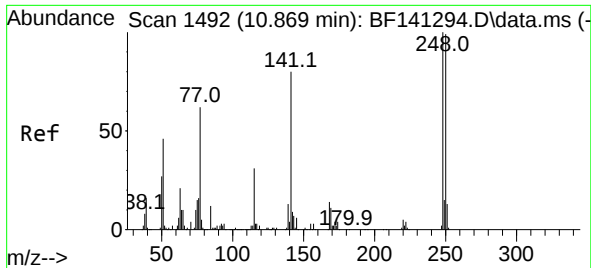
Tgt Ion:165 Resp: 39253
Ion Ratio Lower Upper
165 100
63 1.2 39.2 58.8#
89 1.3 56.9 85.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

Tgt Ion:188 Resp: 471408
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.6
80 10.3 8.2 12.4

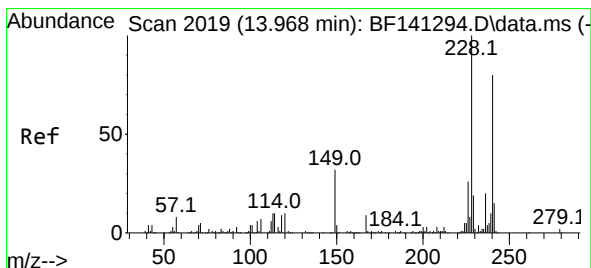
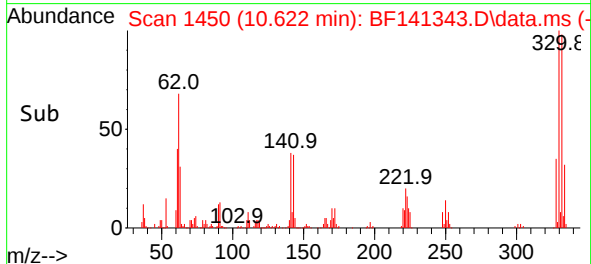
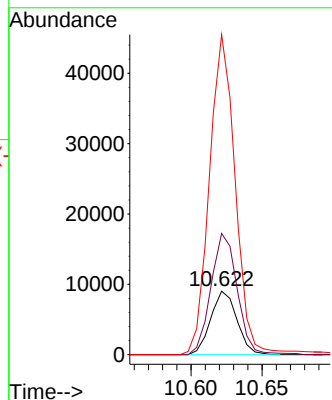
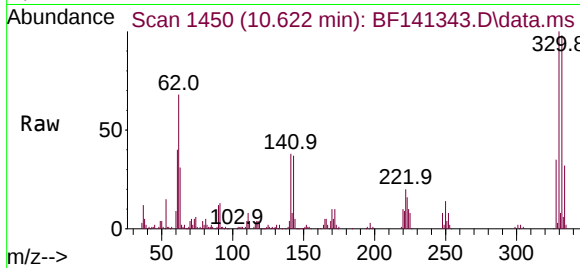




#67
4-Bromophenyl-phenylether
Concen: 2.195 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

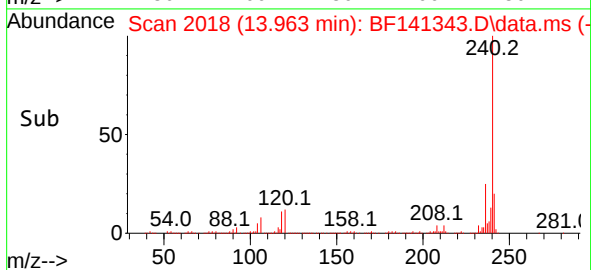
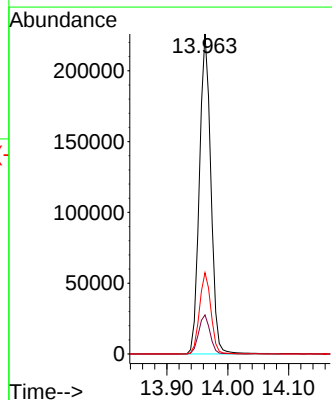
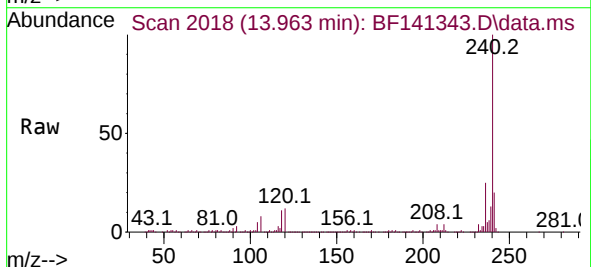
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

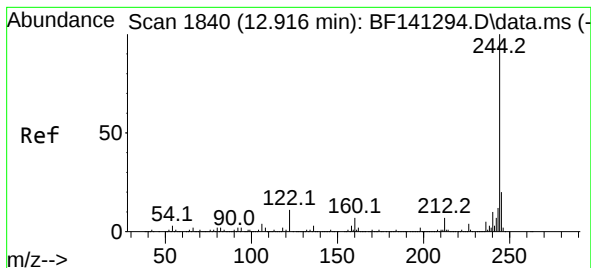
Tgt Ion:248 Resp: 11584
Ion Ratio Lower Upper
248 100
250 190.9 79.0 118.4#
141 504.0 63.7 95.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

Tgt Ion:240 Resp: 295318
Ion Ratio Lower Upper
240 100
120 12.2 10.0 15.0
236 25.4 19.7 29.5





#79

Terphenyl-d14

Concen: 50.988 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141343.D

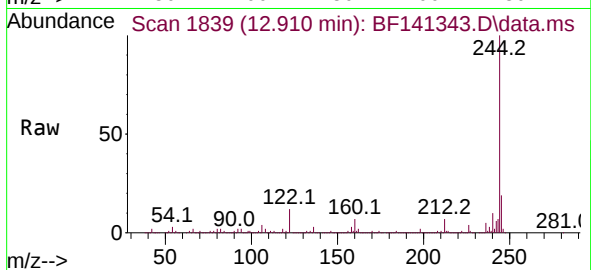
Acq: 31 Jan 2025 20:30

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE



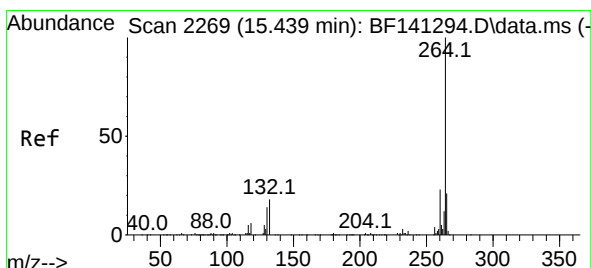
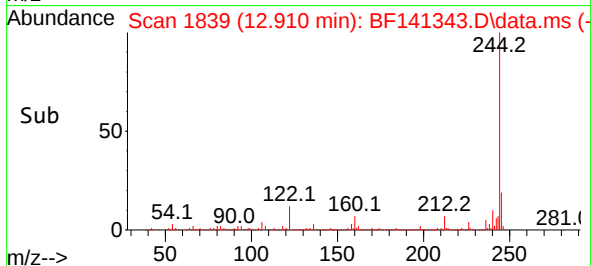
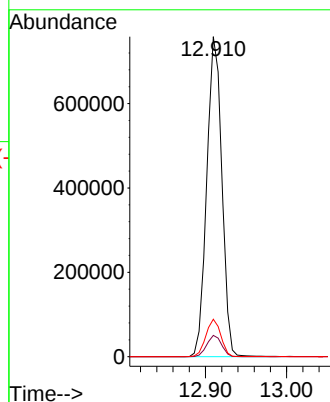
Tgt Ion:244 Resp: 976382

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.7 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141343.D

Acq: 31 Jan 2025 20:30

Tgt Ion:264 Resp: 296220

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.4 16.7 25.1

