

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

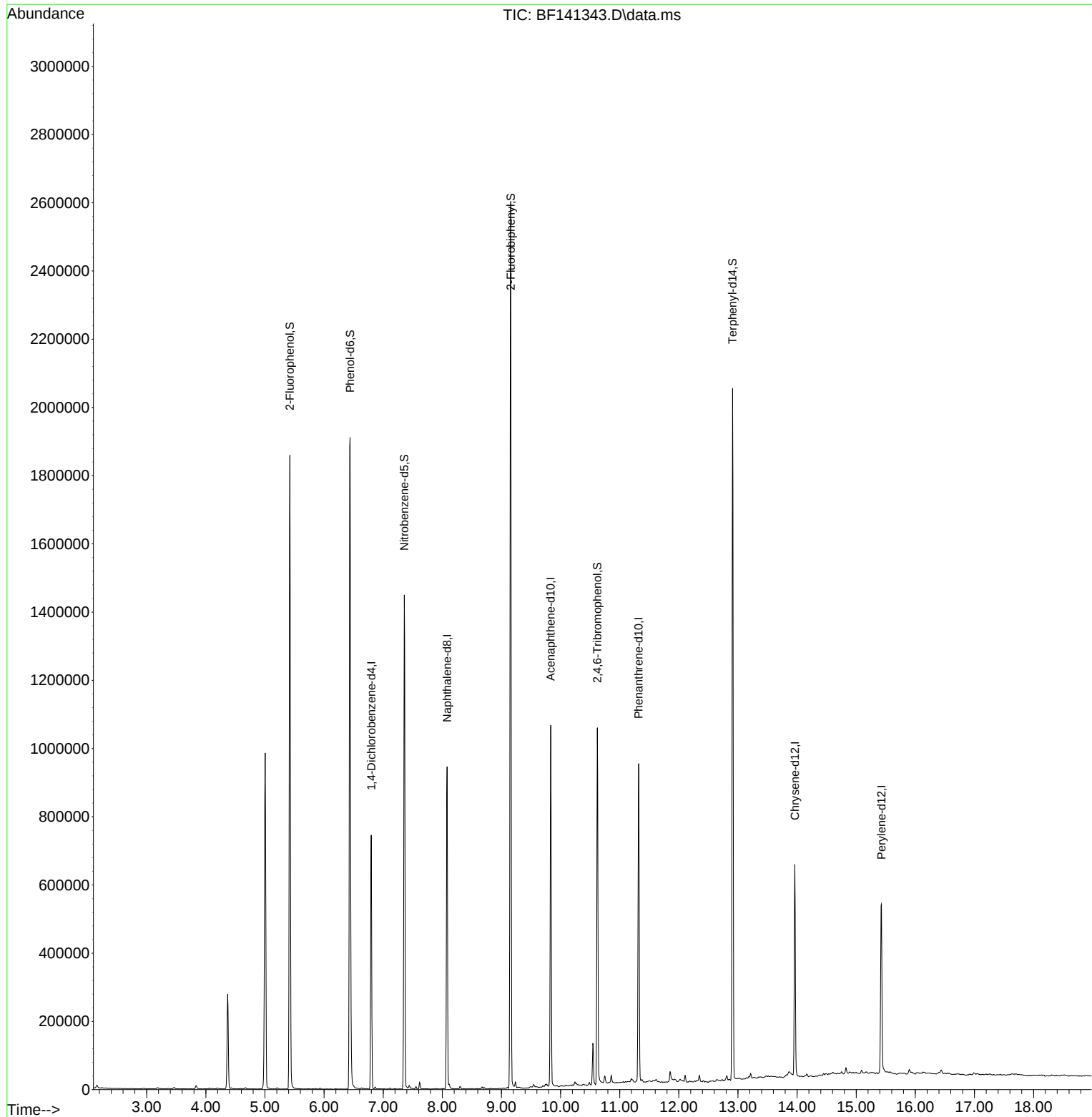
Target Compounds	Qvalue

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

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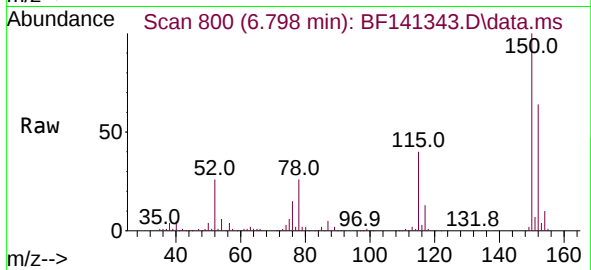
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
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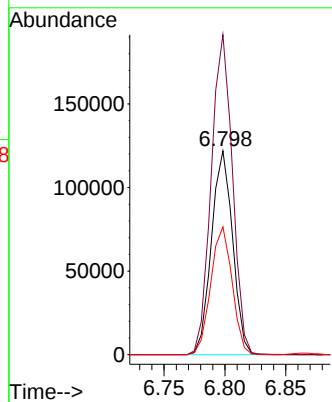
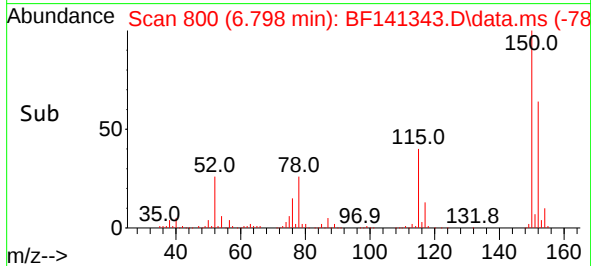


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

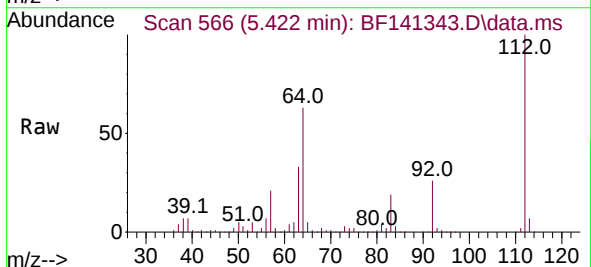
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE



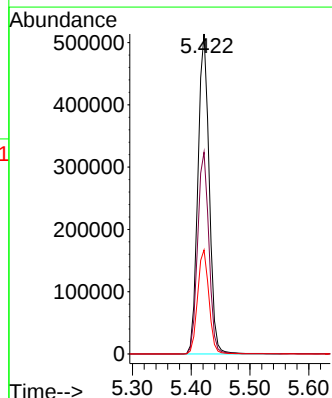
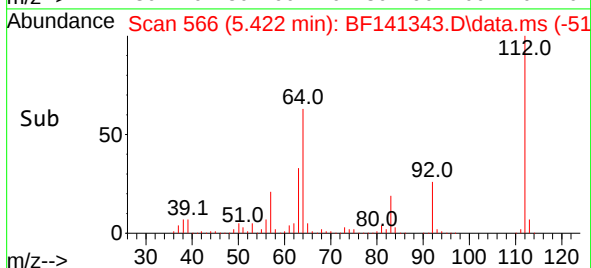
Tgt Ion:152 Resp: 147566
Ion Ratio Lower Upper
152 100
150 156.9 125.9 188.9
115 62.7 49.7 74.5



#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

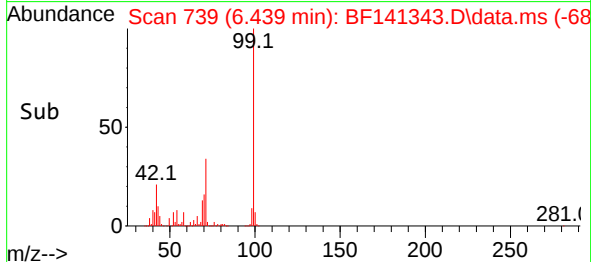
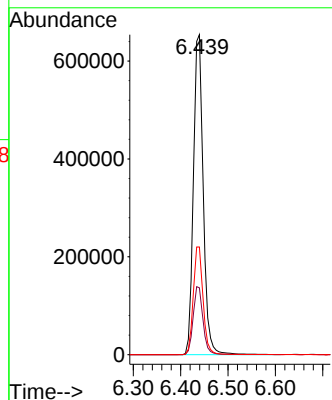
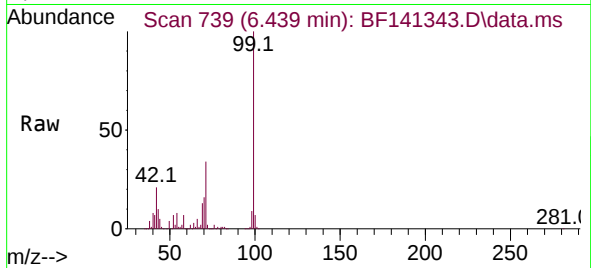




#7
Phenol-d6
Concen: 77.289 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

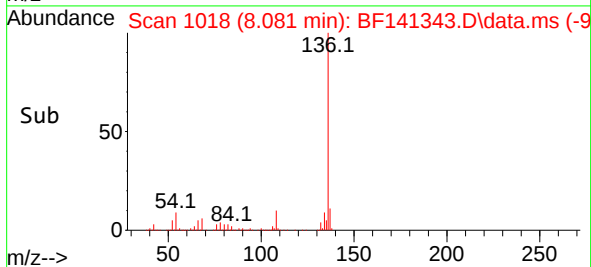
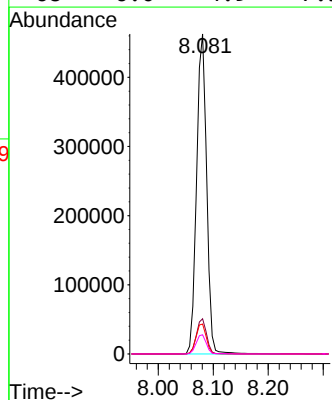
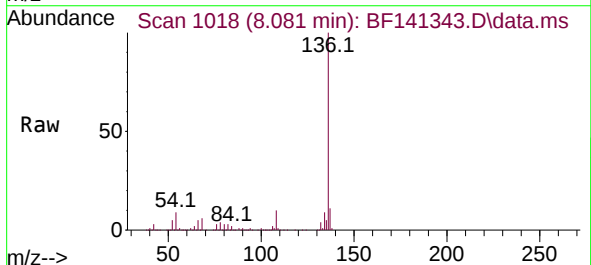
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

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

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE

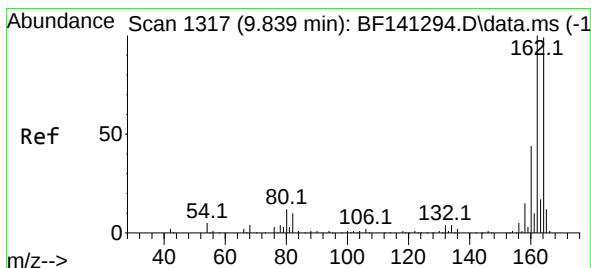
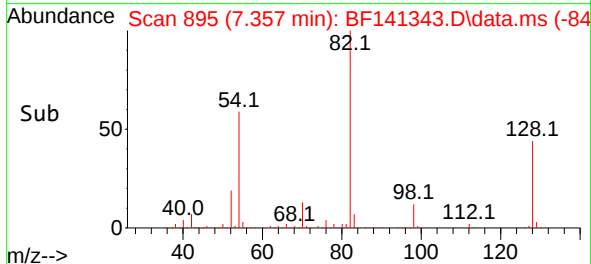
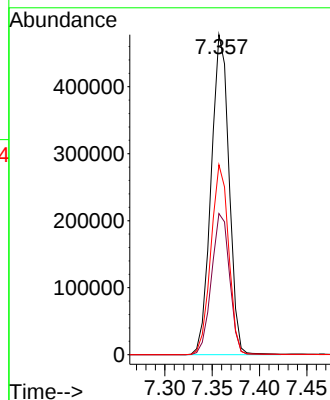
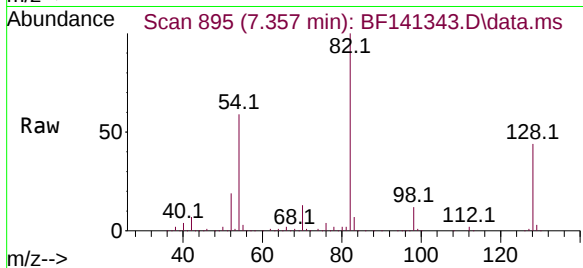
Tgt Ion: 82 Resp: 629945

Ion Ratio Lower Upper

82 100

128 44.1 35.7 53.5

54 59.3 47.1 70.7



#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

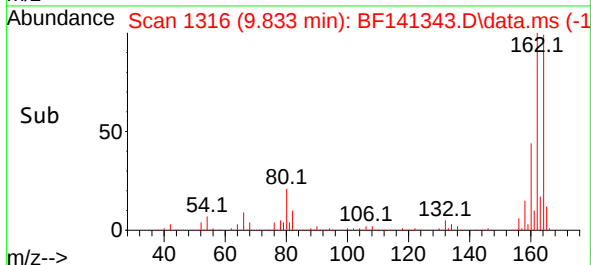
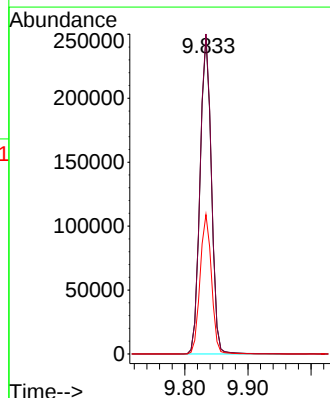
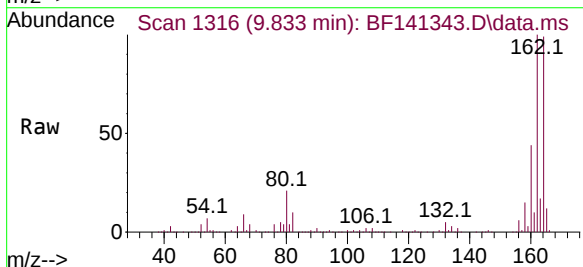
Tgt Ion:164 Resp: 307886

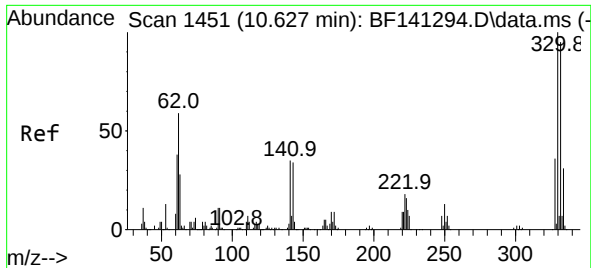
Ion Ratio Lower Upper

164 100

162 101.0 80.6 121.0

160 44.0 35.8 53.6

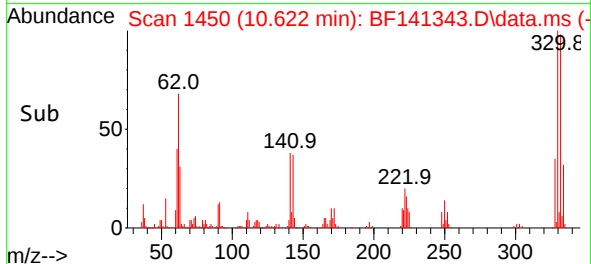
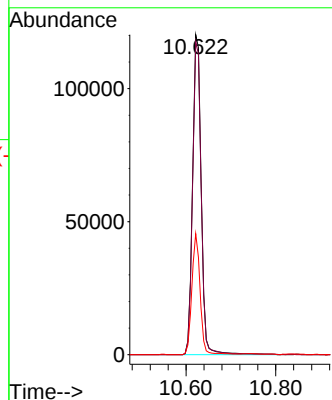
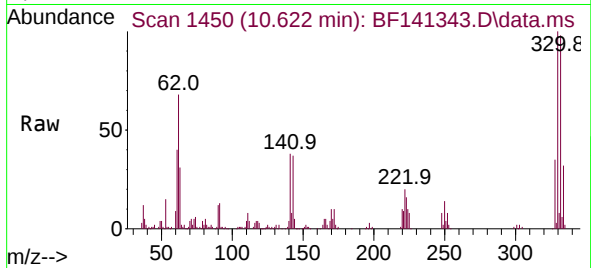




#42
2,4,6-Tribromophenol
Concen: 56.924 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

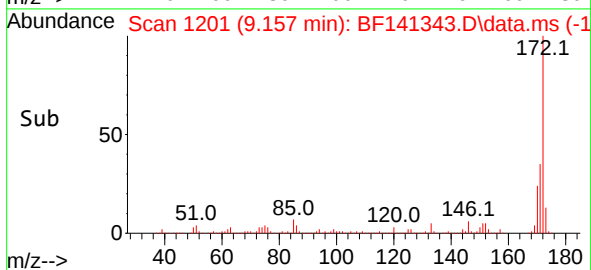
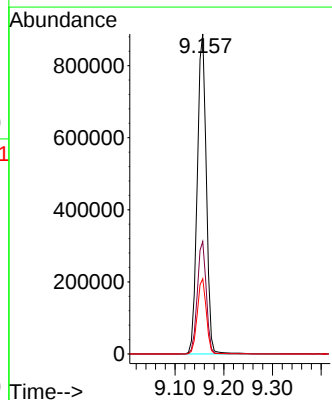
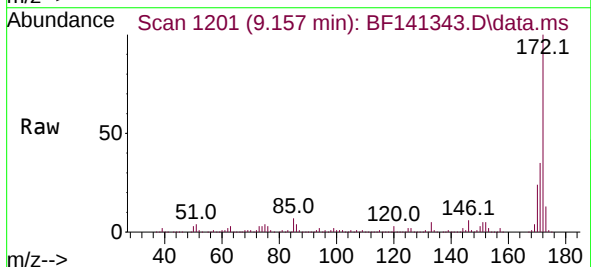
Instrument :
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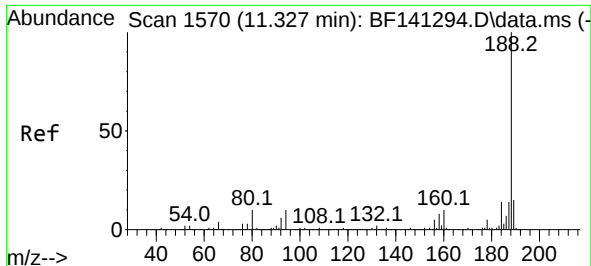
Tgt Ion:330 Resp: 160675
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 36.3 28.8 43.2



#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

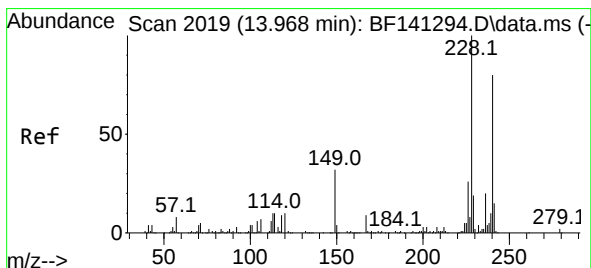
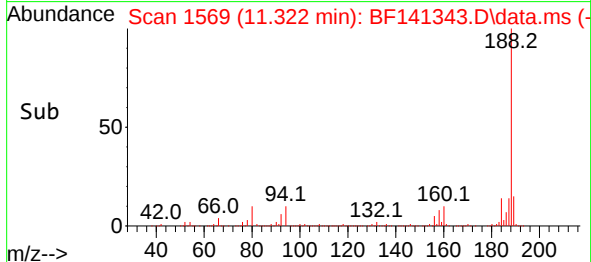
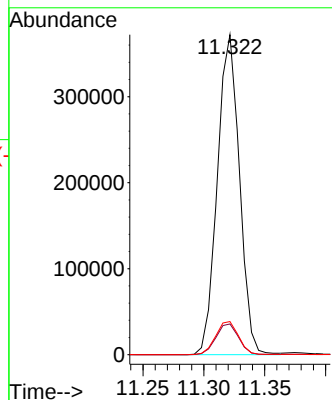
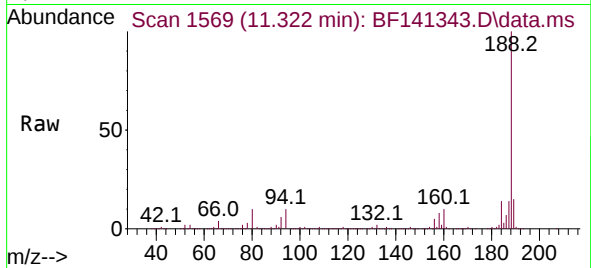




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141343.D
Acq: 31 Jan 2025 20:30

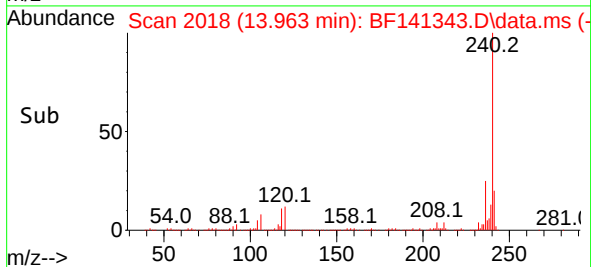
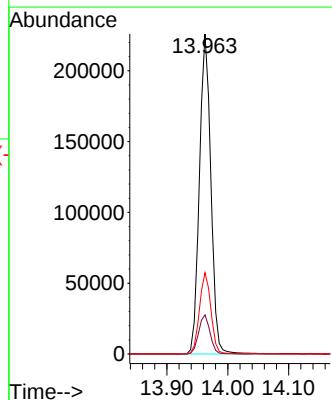
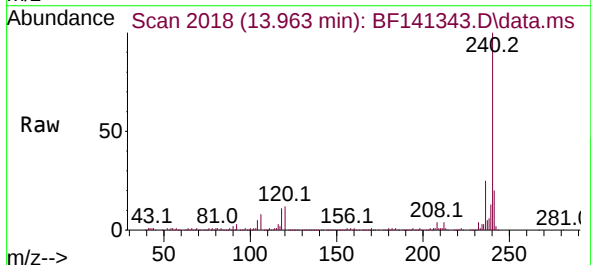
Instrument :
BNA_F
ClientSampleId :
CHESTNUT-CONCRETE

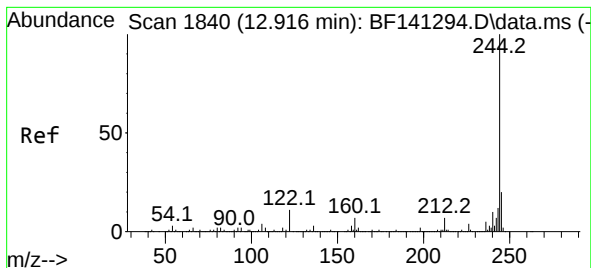
Tgt Ion:188 Resp: 471408
Ion Ratio Lower Upper
188 100
94 9.6 7.8 11.6
80 10.3 8.2 12.4



#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

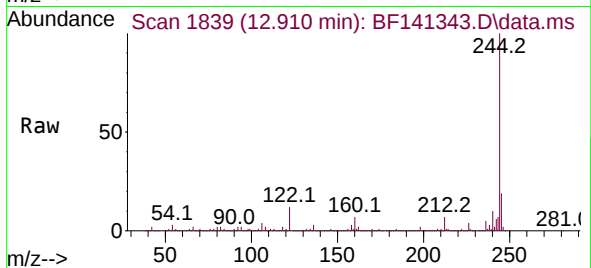
Acq: 31 Jan 2025 20:30

Instrument :

BNA_F

ClientSampleId :

CHESTNUT-CONCRETE



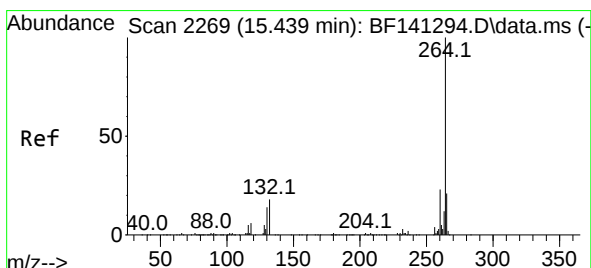
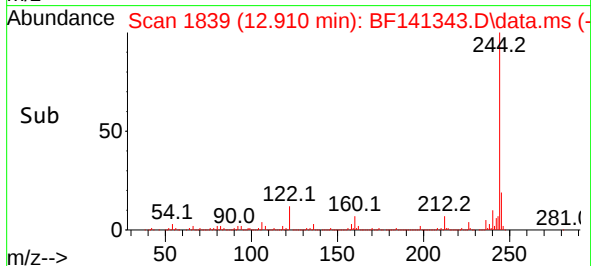
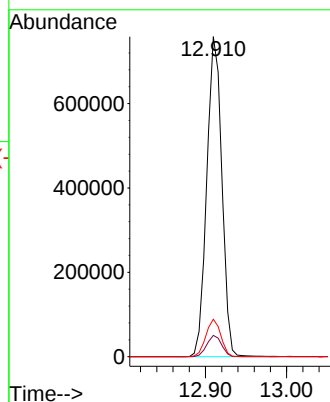
Tgt Ion:244 Resp: 976382

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

