

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032025\
 Data File : BF142019.D
 Acq On : 20 Mar 2025 19:05
 Operator : RC/JU
 Sample : Q1605-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-SOIL-CUTTING

Quant Time: Mar 21 01:08:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

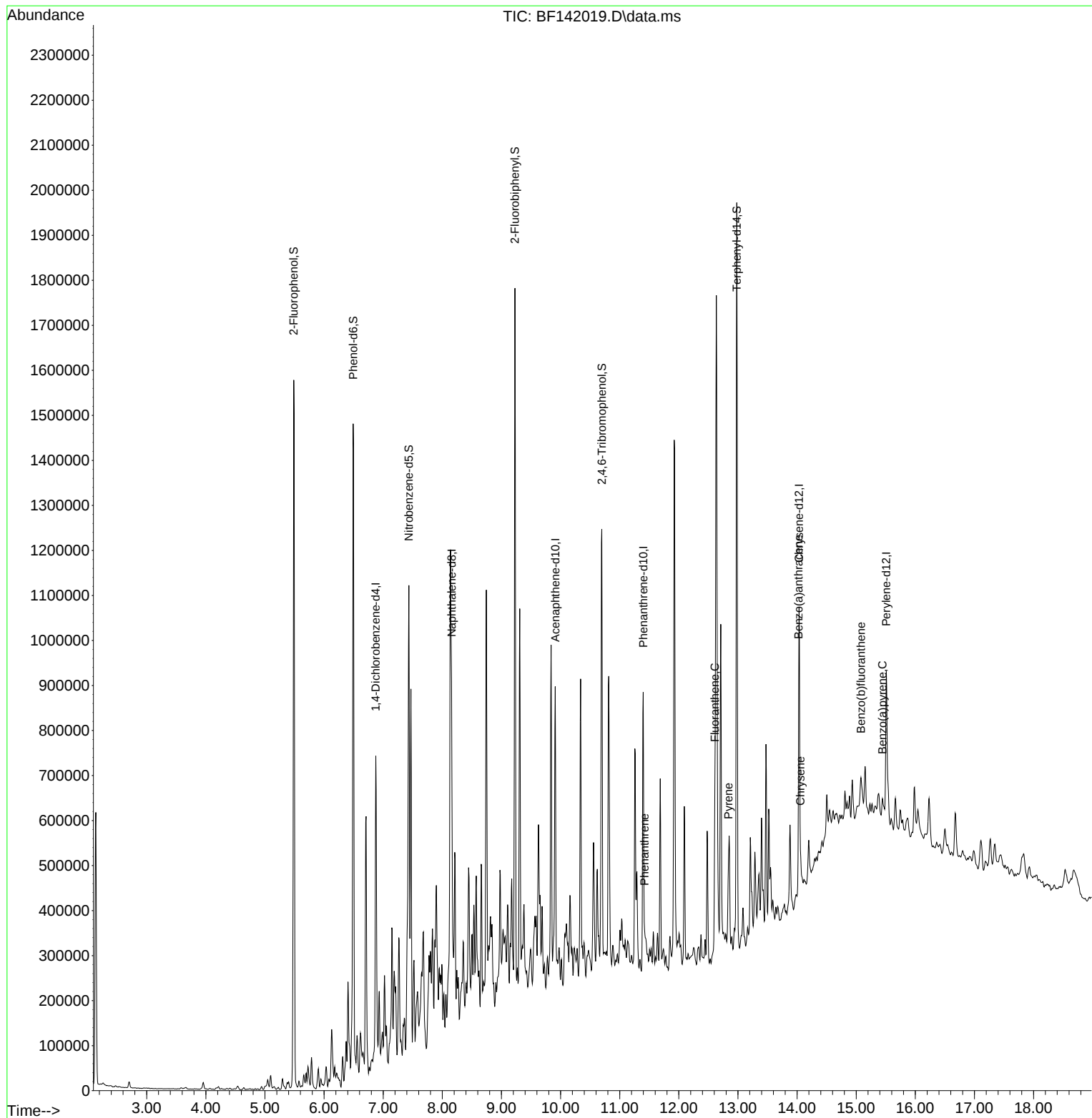
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124507	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	394080	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	178086	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	308709	20.000	ng	0.00
76) Chrysene-d12	14.033	240	293250	20.000	ng	0.00
86) Perylene-d12	15.509	264	201000	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	605133	81.115	ng	0.00
7) Phenol-d6	6.492	99	687692	72.401	ng	-0.01
23) Nitrobenzene-d5	7.434	82	433636	61.925	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	183860	81.381	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	666534	56.920	ng	-0.01
79) Terphenyl-d14	12.980	244	803978	40.533	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	35011	2.100	ng	96
75) Fluoranthene	12.610	202	73691	4.166	ng	98
78) Pyrene	12.839	202	83892	3.307	ng	97
81) Benzo(a)anthracene	14.027	228	40309	2.095	ng	# 81
83) Chrysene	14.057	228	42322	2.426	ng	# 89
88) Benzo(b)fluoranthene	15.080	252	32864m	2.386	ng	
90) Benzo(a)pyrene	15.445	252	23532	2.183	ng	# 60

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

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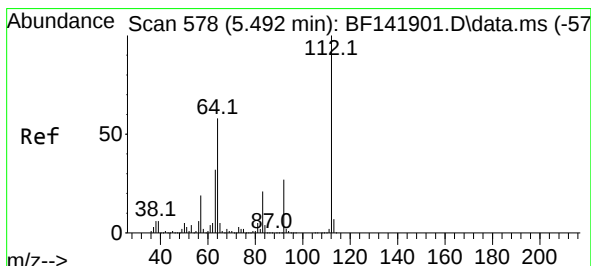
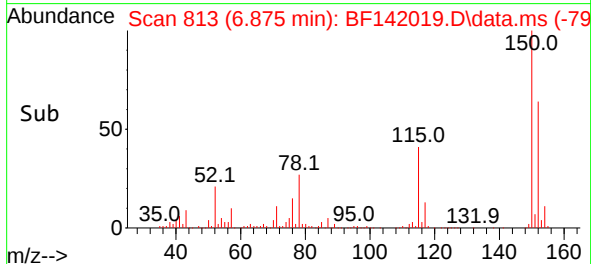
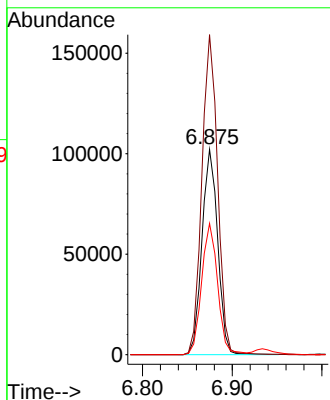
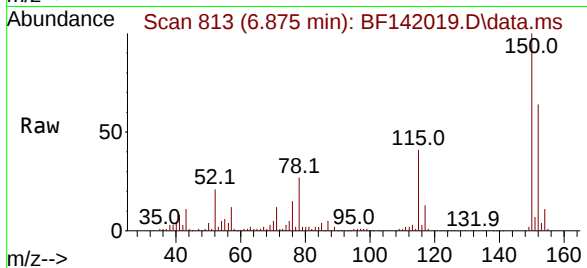




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

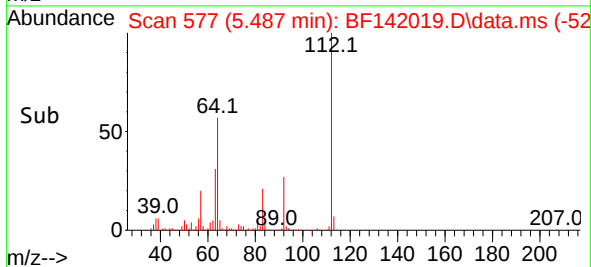
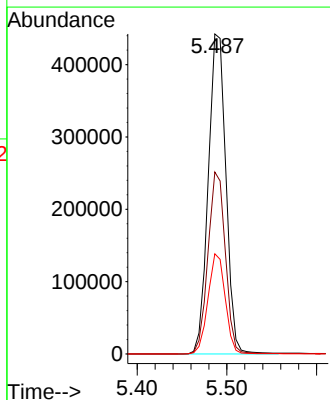
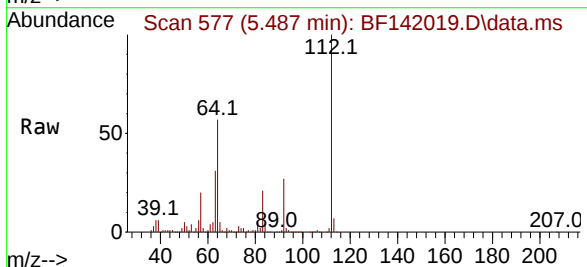
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

Tgt Ion:152 Resp: 124507
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.2
115 63.9 51.9 77.9



#5
2-Fluorophenol
Concen: 81.115 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:112 Resp: 605133
Ion Ratio Lower Upper
112 100
64 56.9 46.5 69.7
63 31.3 25.4 38.2

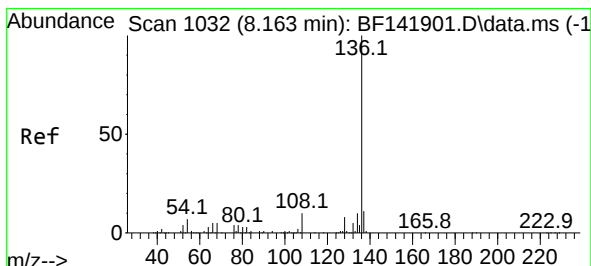
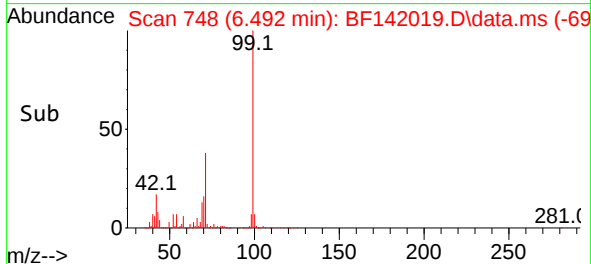
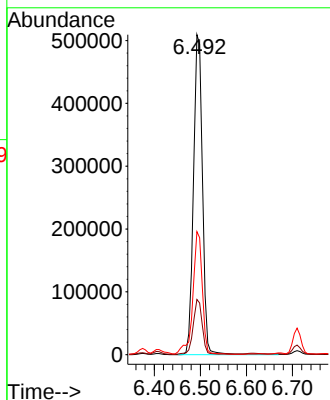
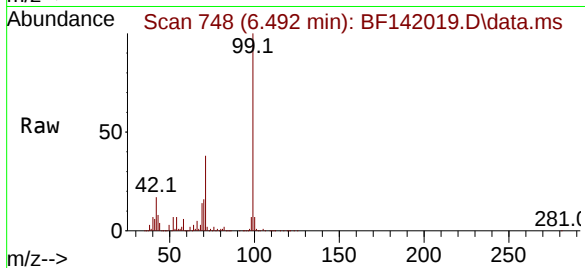




#7
Phenol-d6
Concen: 72.401 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

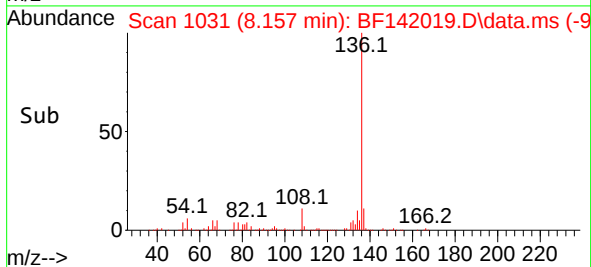
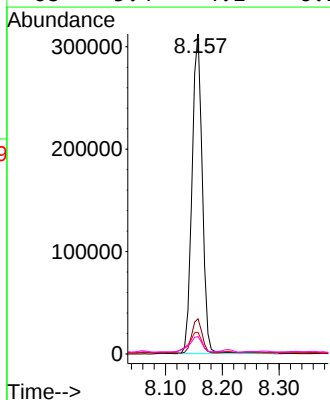
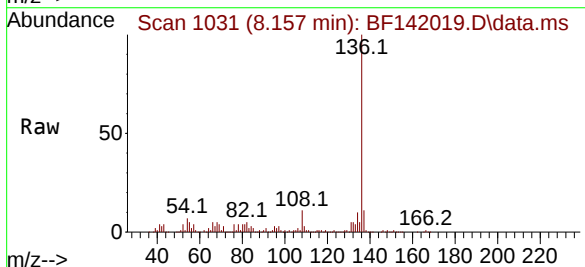
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

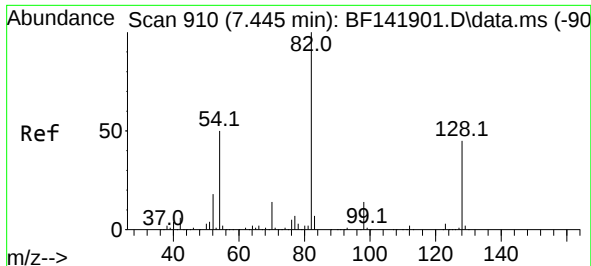
Tgt Ion: 99 Resp: 687692
Ion Ratio Lower Upper
99 100
42 17.3 14.6 21.8
71 38.5 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:136 Resp: 394080
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 6.8 5.8 8.8
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.925 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

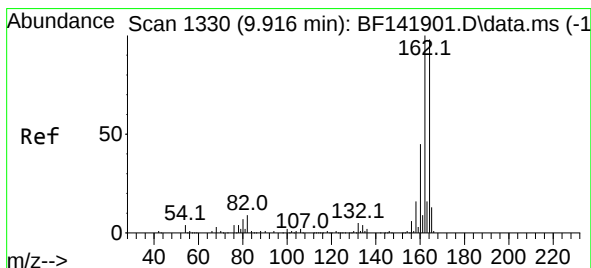
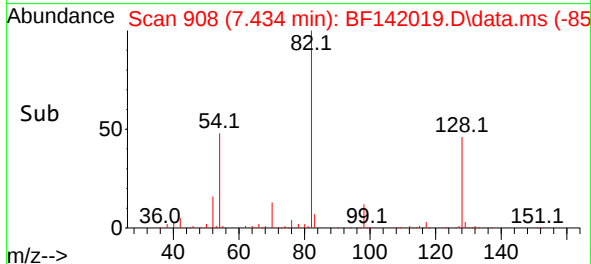
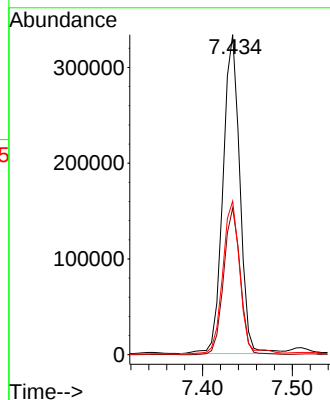
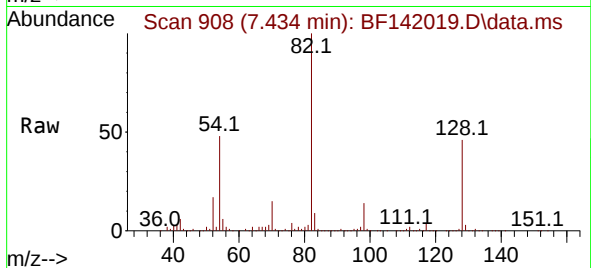
Tgt Ion: 82 Resp: 433636

Ion Ratio Lower Upper

82 100

128 45.8 36.0 54.0

54 48.0 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

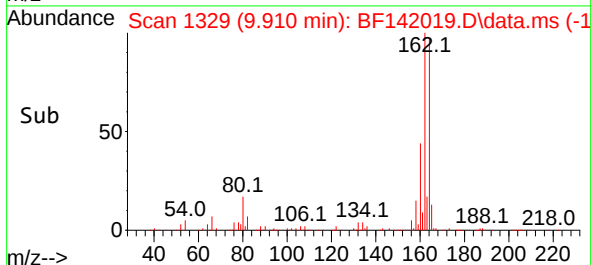
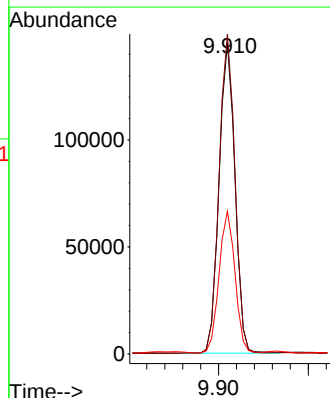
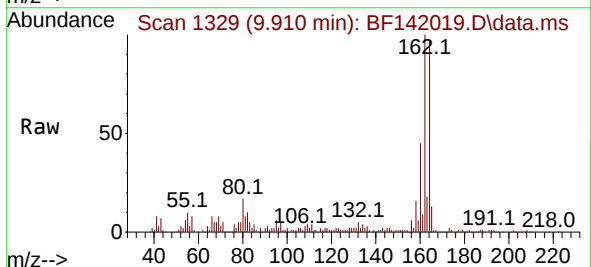
Tgt Ion:164 Resp: 178086

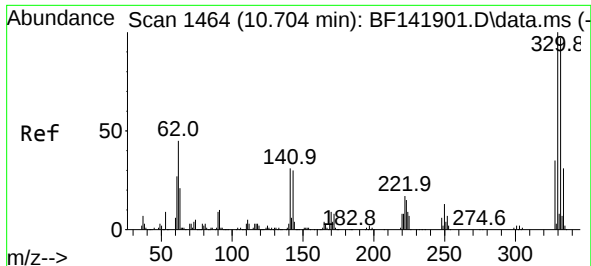
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

160 45.9 36.7 55.1

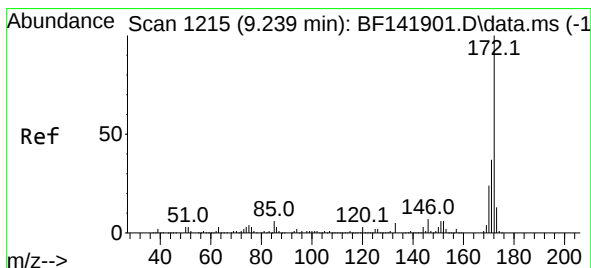
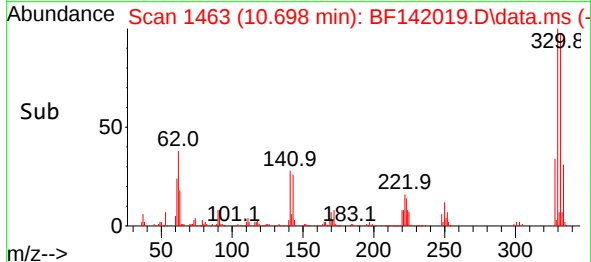
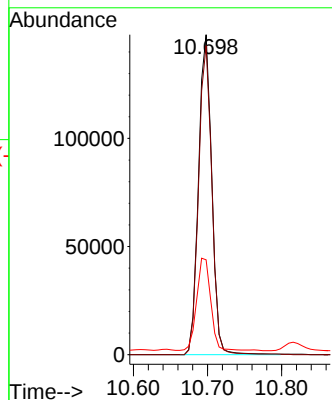
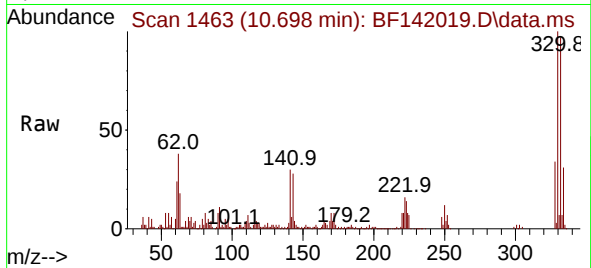




#42
2,4,6-Tribromophenol
Concen: 81.381 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

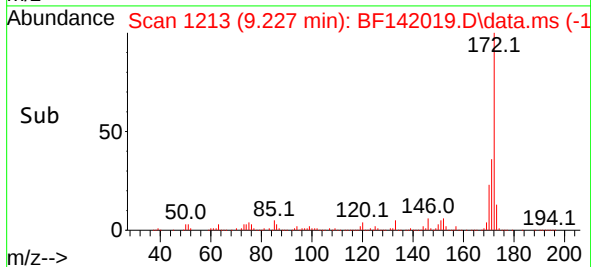
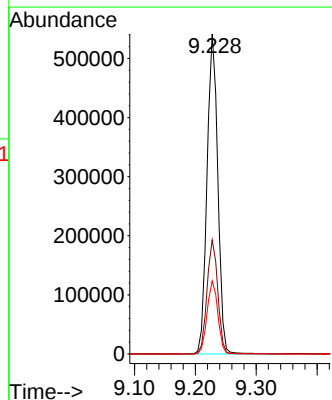
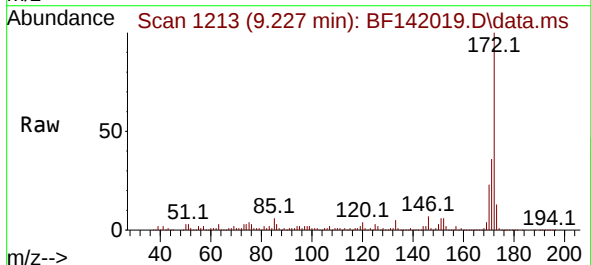
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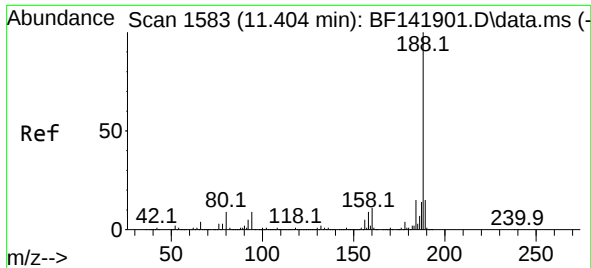
Tgt Ion:330 Resp: 183860
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 30.2 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 56.920 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:172 Resp: 666534
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 22.8 19.4 29.0

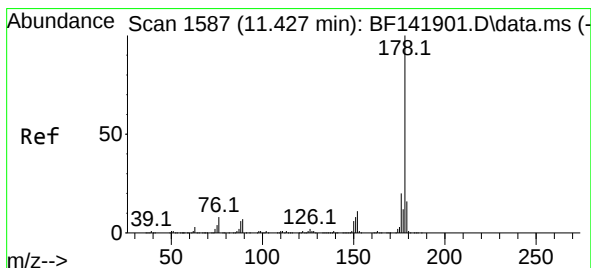
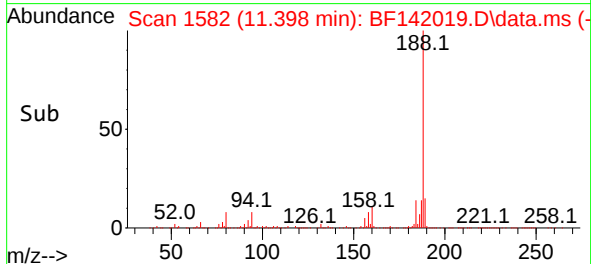
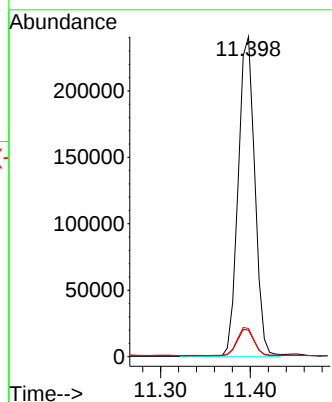
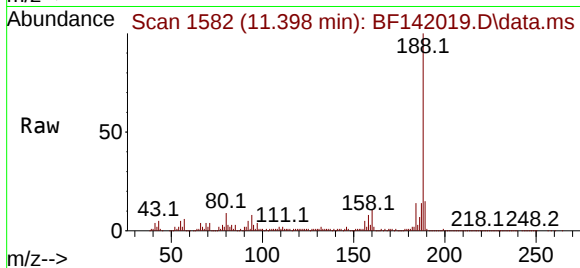




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

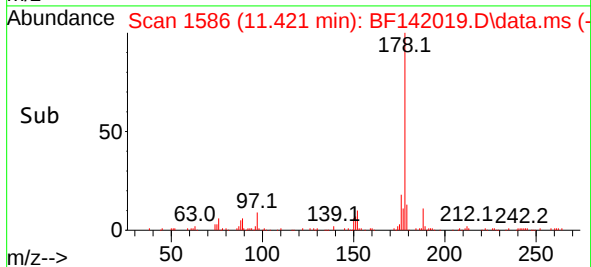
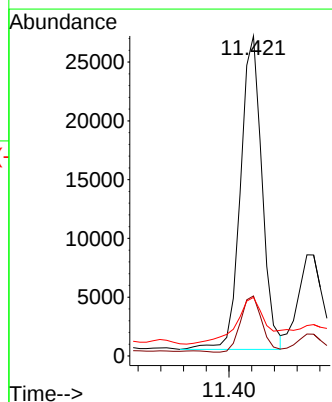
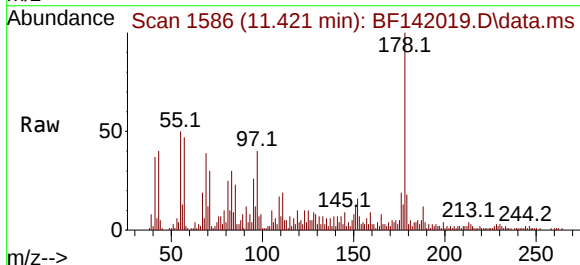
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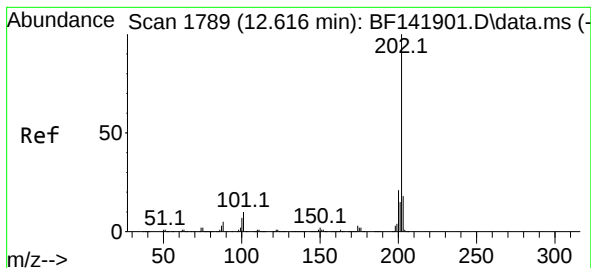
Tgt Ion:188 Resp: 308709
Ion Ratio Lower Upper
188 100
94 8.3 6.8 10.2
80 8.8 7.6 11.4



#71
Phenanthrene
Concen: 2.100 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:178 Resp: 35011
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 18.3 12.6 19.0





#75

Fluoranthene

Concen: 4.166 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

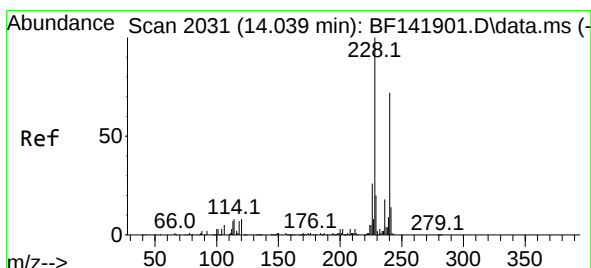
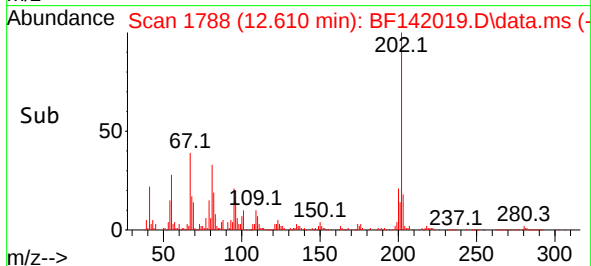
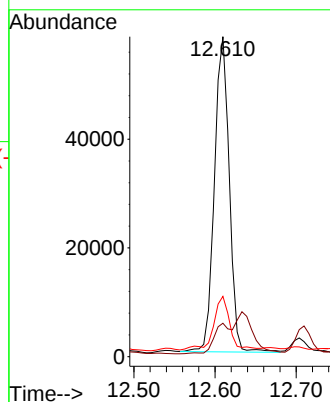
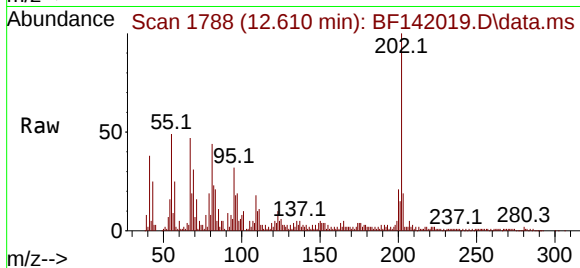
Tgt Ion:202 Resp: 73691

Ion Ratio Lower Upper

202 100

101 10.4 0.0 29.7

203 18.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

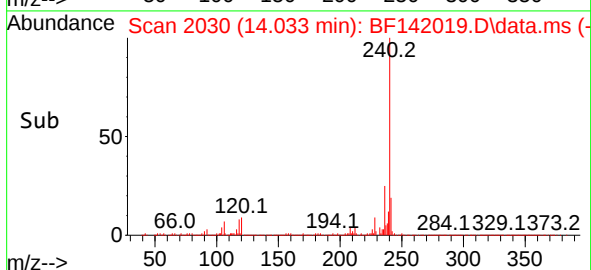
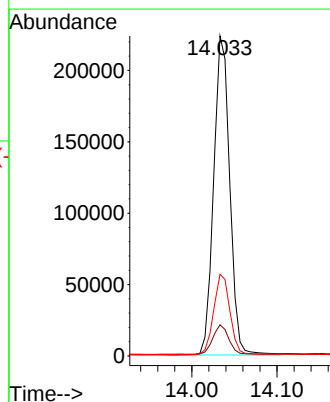
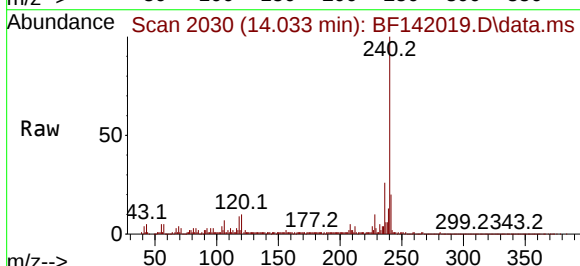
Tgt Ion:240 Resp: 293250

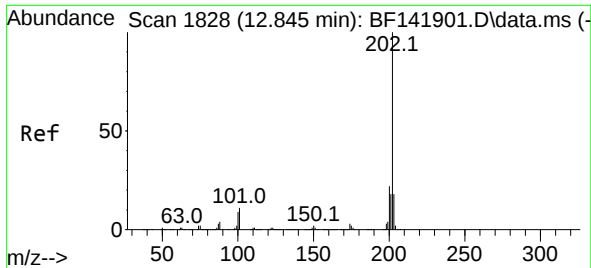
Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 25.6 20.5 30.7

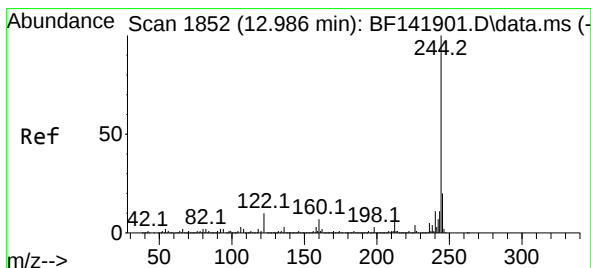
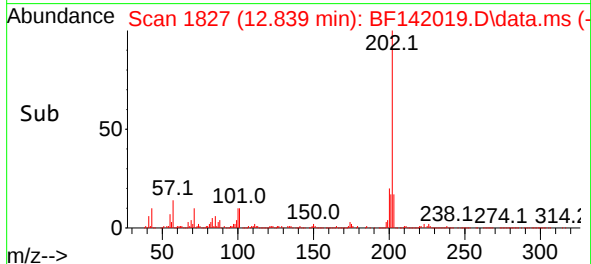
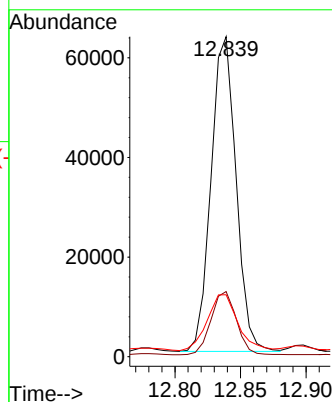
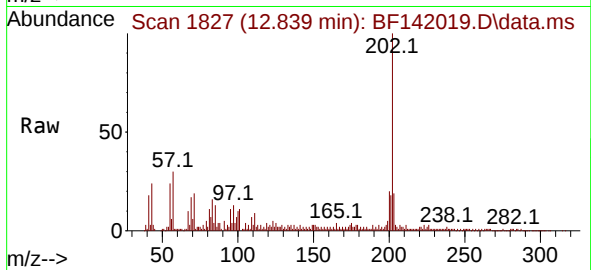




#78
Pyrene
Concen: 3.307 ng
RT: 12.839 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

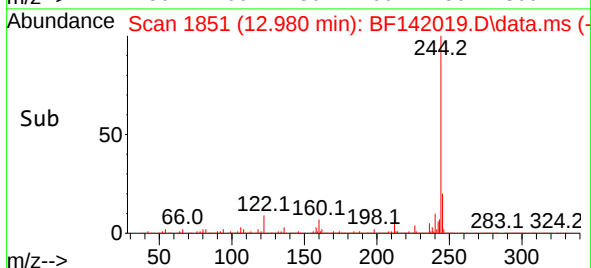
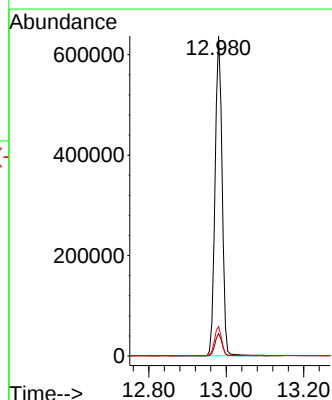
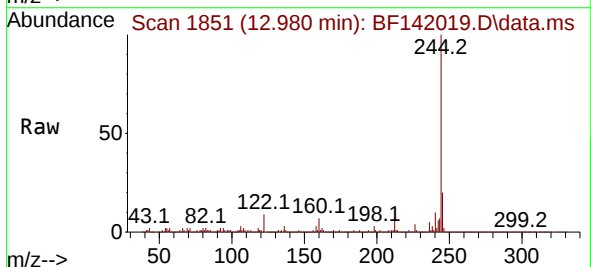
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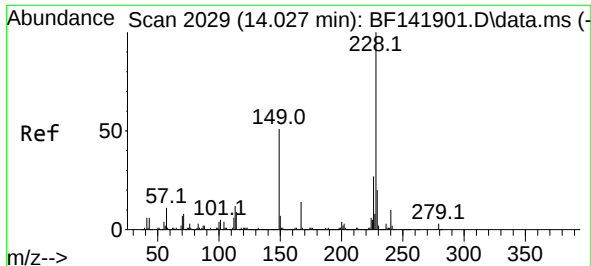
Tgt Ion:	202	Resp:	83892
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.3	25.9
203	19.4	14.4	21.6



#79
Terphenyl-d14
Concen: 40.533 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:	244	Resp:	803978
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	9.2	7.7	11.5

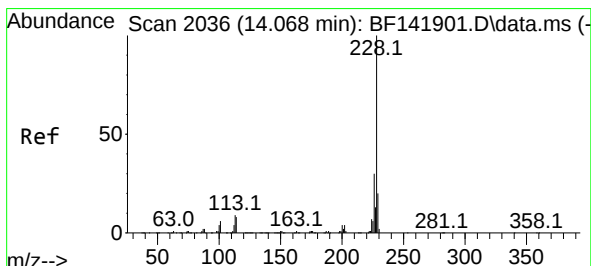
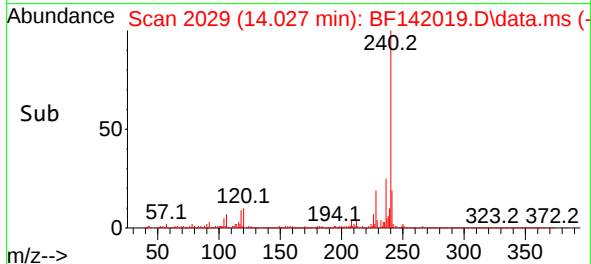
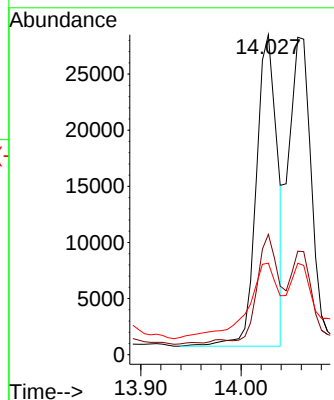
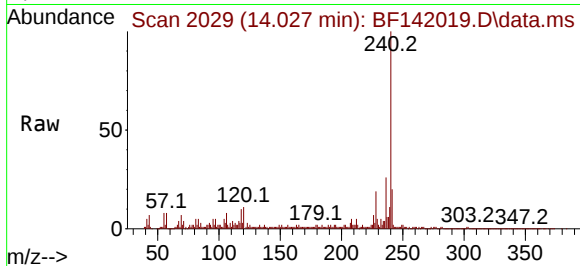




#81
Benzo(a)anthracene
Concen: 2.095 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

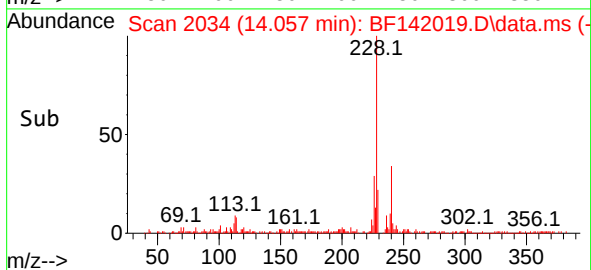
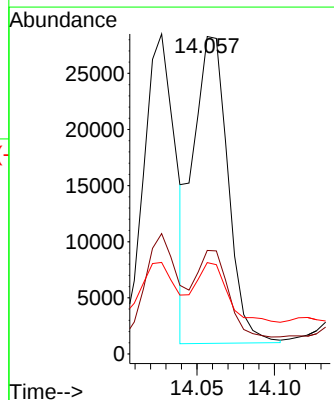
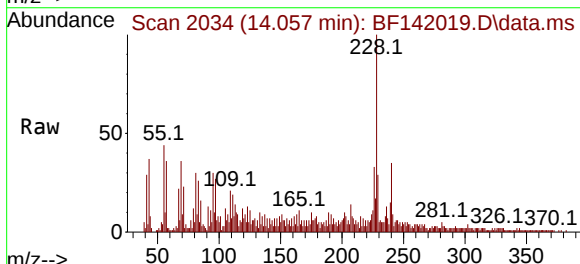
Instrument :
BNA_F
ClientSampleId :
DRUM-SOIL-CUTTING

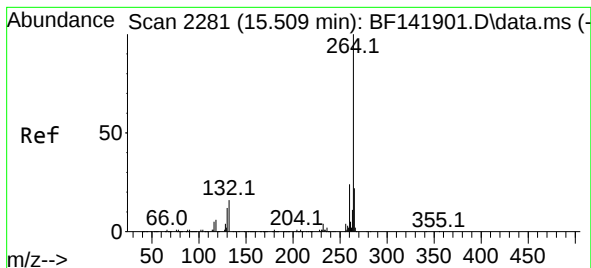
Tgt Ion:228 Resp: 40309
Ion Ratio Lower Upper
228 100
226 37.6 21.8 32.8#
229 28.6 16.0 24.0#



#83
Chrysene
Concen: 2.426 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142019.D
Acq: 20 Mar 2025 19:05

Tgt Ion:228 Resp: 42322
Ion Ratio Lower Upper
228 100
226 32.6 24.1 36.1
229 28.8 15.7 23.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING

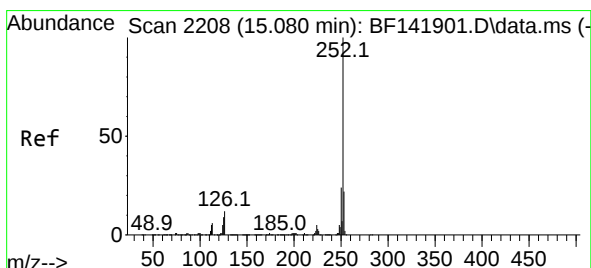
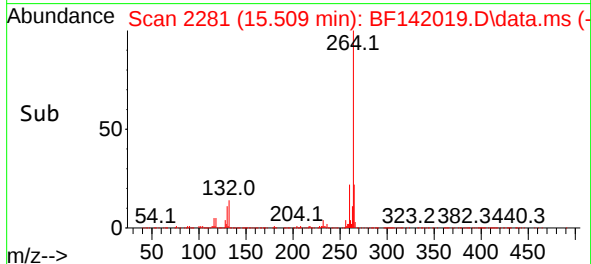
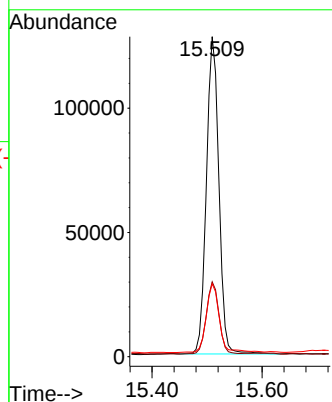
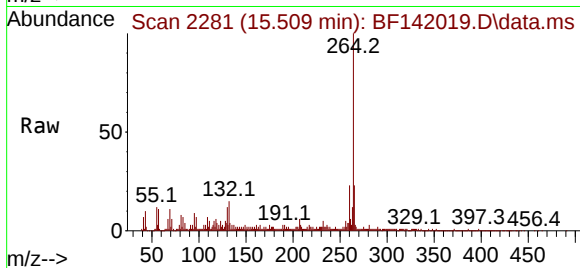
Tgt Ion:264 Resp: 201000

Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 22.8 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 2.386 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF142019.D

Acq: 20 Mar 2025 19:05

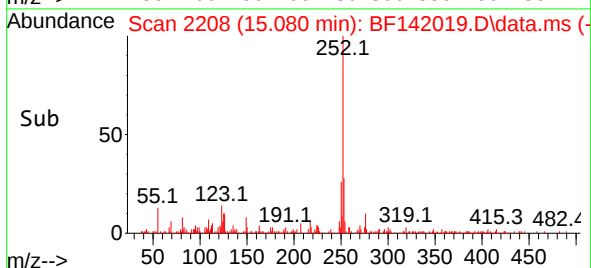
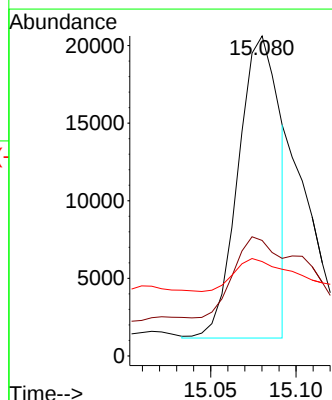
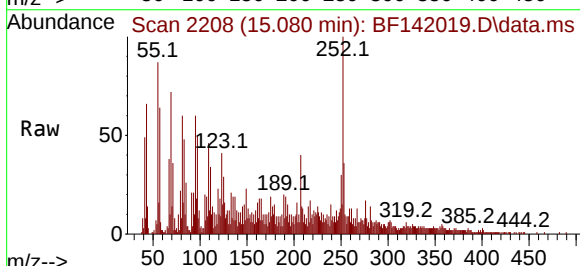
Tgt Ion:252 Resp: 32864

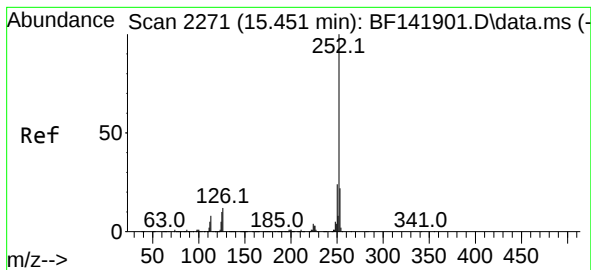
Ion Ratio Lower Upper

252 100

253 36.1 17.5 26.3#

125 29.5 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 2.183 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142019.D

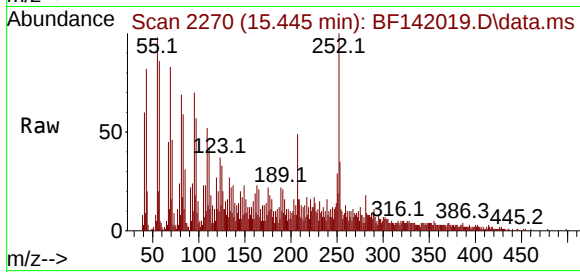
Acq: 20 Mar 2025 19:05

Instrument :

BNA_F

ClientSampleId :

DRUM-SOIL-CUTTING



Tgt Ion:252 Resp: 23532

Ion Ratio Lower Upper

252 100

253 35.4 17.4 26.0#

125 33.2 7.8 11.8#

