

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092022\
 Data File : BF130345.D
 Acq On : 20 Sep 2022 15:33
 Operator : CG\JU
 Sample : N4700-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-SOIL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/21/2022
 Supervised By : Jagrut Upadhyay 09/21/2022

Quant Time: Sep 21 05:14:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	85613	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	312128	20.000	ng	# 0.00
39) Acenaphthene-d10	9.686	164	143779	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	204630	20.000	ng	0.00
76) Chrysene-d12	13.798	240	163832	20.000	ng	0.00
86) Perylene-d12	15.186	264	190304	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	594934	120.530	ng	0.00
7) Phenol-d6	6.304	99	714101	115.624	ng	0.00
23) Nitrobenzene-d5	7.222	82	467155	76.463	ng	-0.01
42) 2,4,6-Tribromophenol	10.475	330	166857	121.115	ng	0.00
45) 2-Fluorobiphenyl	9.016	172	792252	80.239	ng	0.00
79) Terphenyl-d14	12.757	244	634567	64.161	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.192	178	98075	8.537	ng	99
75) Fluoranthene	12.374	202	185322	16.693	ng	99
78) Pyrene	12.604	202	202497	14.129	ng	98
81) Benzo(a)anthracene	13.786	228	122609	11.250	ng	94
83) Chrysene	13.821	228	123084	11.894	ng	99
84) Bis(2-ethylhexyl)phtha...	13.792	149	19882	3.269	ng	97
87) Indeno(1,2,3-cd)pyrene	16.504	276	89245	6.613	ng	94
88) Benzo(b)fluoranthene	14.798	252	177571m	14.296	ng	
89) Benzo(k)fluoranthene	14.821	252	54891m	4.492	ng	
90) Benzo(a)pyrene	15.127	252	123908	12.592	ng	98
91) Dibenzo(a,h)anthracene	16.515	278	26902m	2.430	ng	
92) Benzo(g,h,i)perylene	16.904	276	90774	8.140	ng	96

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

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TIC: BF130345.D\data.ms

Abundance

Time-->

3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00

3400000

3200000

3000000

2800000

2600000

2400000

2200000

2000000

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

2-Fluorophenol,S

Phenol-d6,S

1,4-Dichlorobenzene-d4,l

Nitrobenzene-d5,S

Naphthalene-d8,l

Acenaphthene-d10,l

2,4,6-Tribromophenol,S

Phenanthrene

Phenanthrene-d10,l

Fluoranthene,C

Pyrene

Chrysene-(a,b)-anthracene-9,10-dicarboxylic acid,1,2,3,4-tetrahydro-5,6,8-trimethyl-,phenyl ester

Benzo(k)fluoranthene

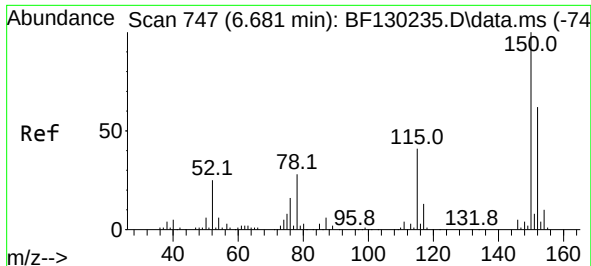
Benzo(a)pyrene-d12,l

Benzo(a)pyrene

Dibenz(a,h)anthracene

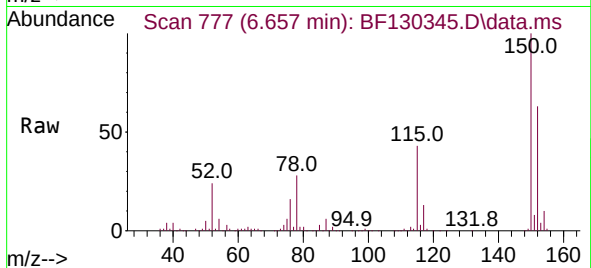
Dibenz(a,h)pyrene

Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

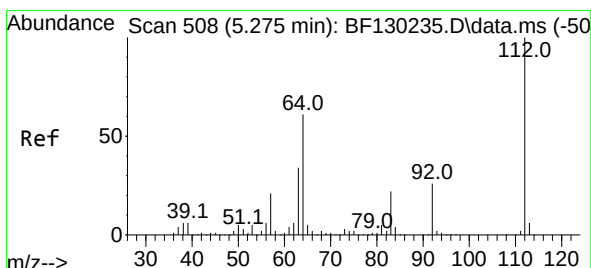
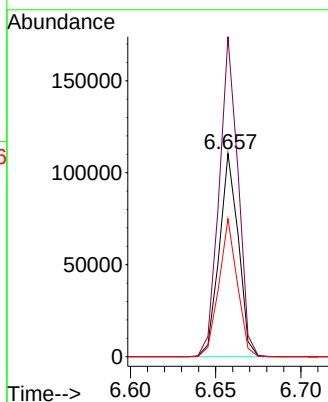
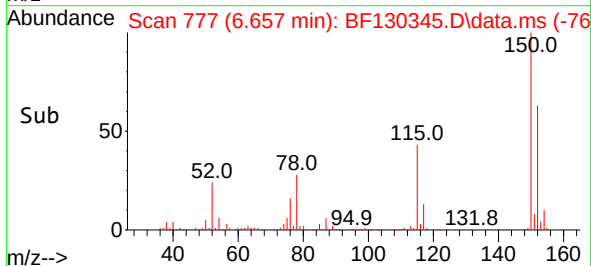
Instrument :
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Tgt Ion:152 Resp: 85613
Ion Ratio Lower Upper
152 100
150 157.6 122.8 184.2
115 67.9 53.8 80.8

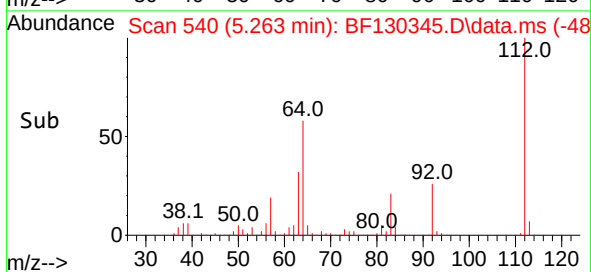
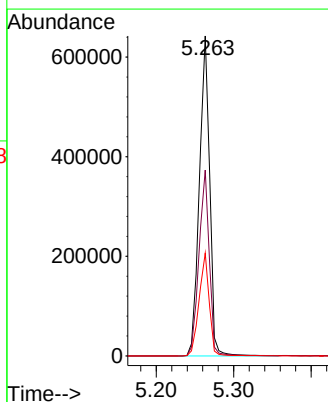
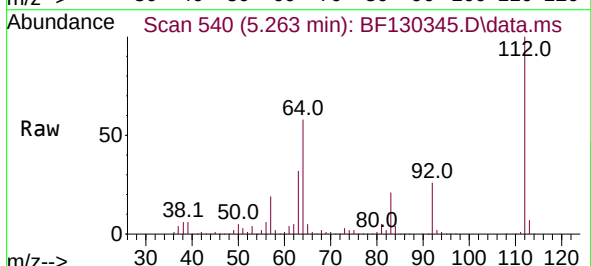
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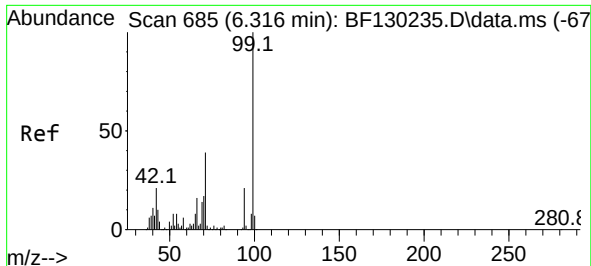
Reviewed By :Christian Giraldo 09/21/2022
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#5
2-Fluorophenol
Concen: 120.530 ng
RT: 5.263 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

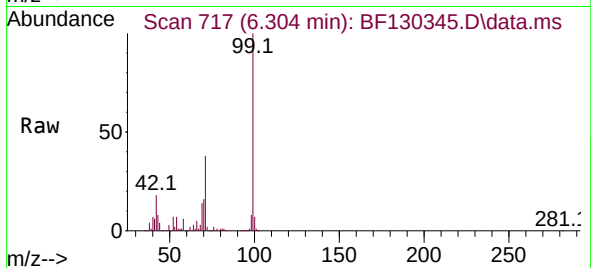
Tgt Ion:112 Resp: 594934
Ion Ratio Lower Upper
112 100
64 58.1 51.4 77.0
63 32.1 28.8 43.2





#7
Phenol-d6
Concen: 115.624 ng
RT: 6.304 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

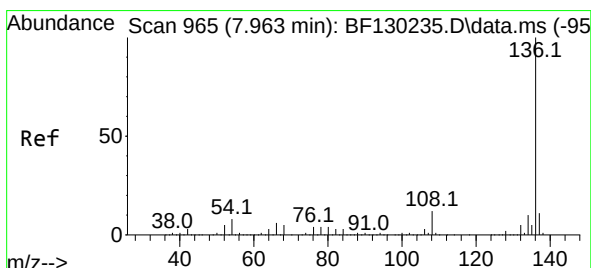
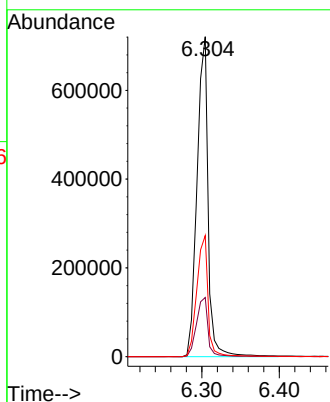
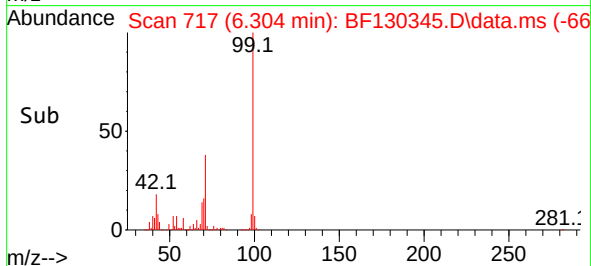
Instrument :
BNA_F
ClientSampleId :
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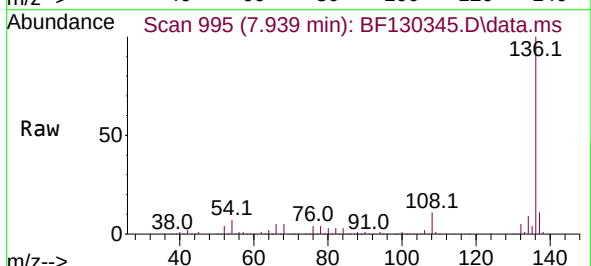
Tgt Ion: 99 Resp: 714101
Ion Ratio Lower Upper
99 100
42 18.5 17.0 25.6
71 37.8 32.3 48.5

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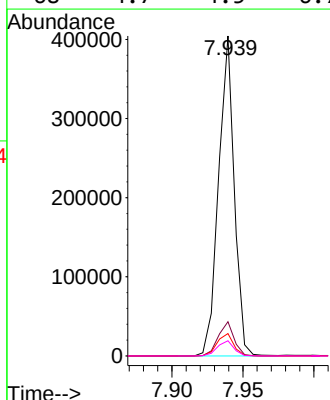
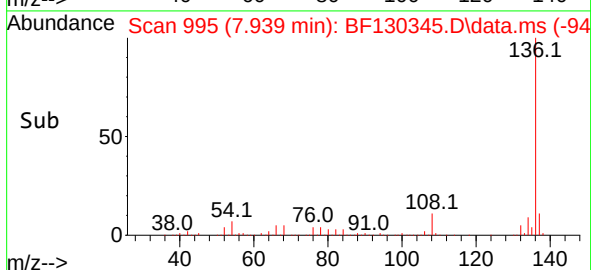
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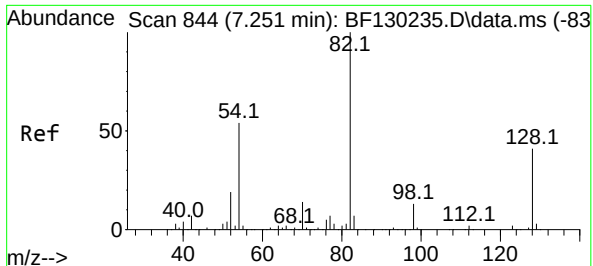


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



Tgt Ion:136 Resp: 312128
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.0 7.1 10.7#
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 76.463 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 46715

Ion Ratio Lower Upper

82 100

128 42.5 32.6 49.0

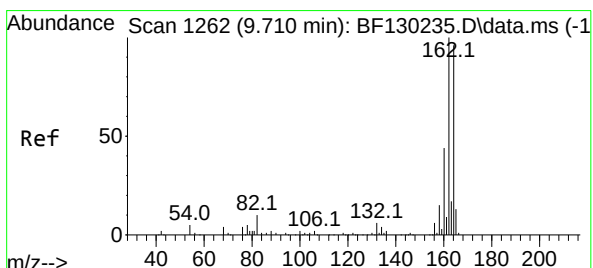
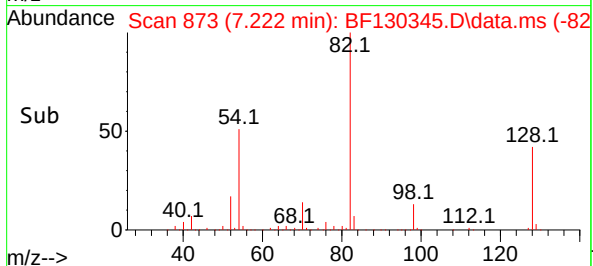
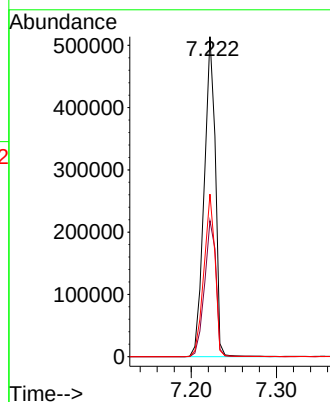
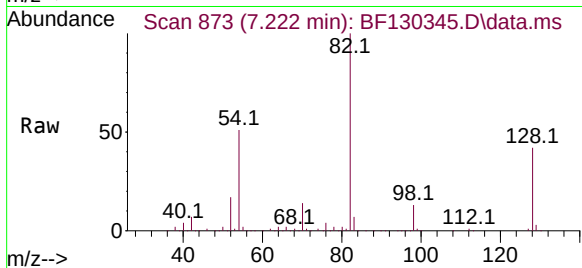
54 50.8 43.8 65.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

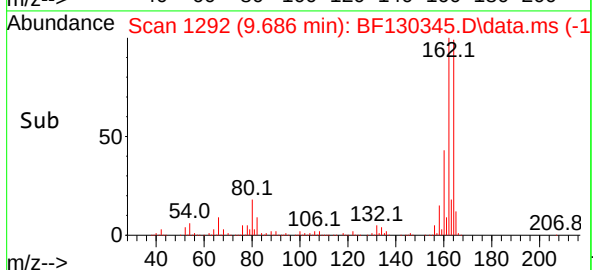
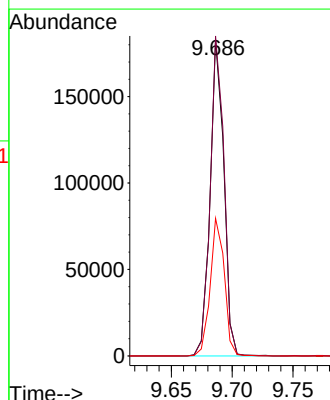
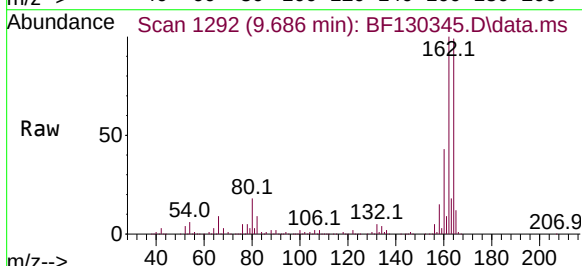
Tgt Ion:164 Resp: 143779

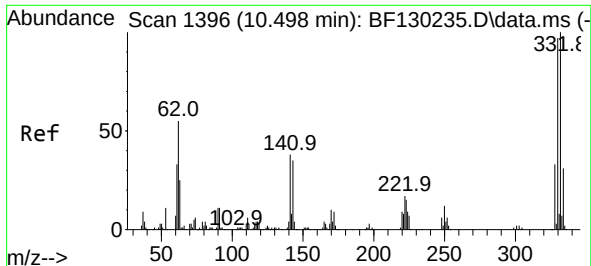
Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.0

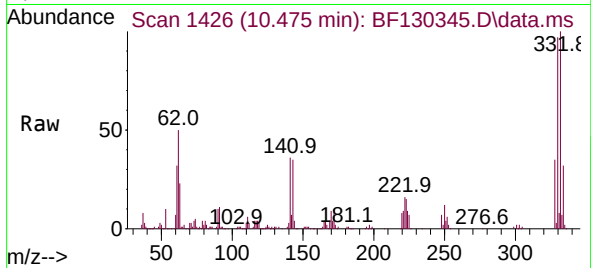
160 43.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 121.115 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

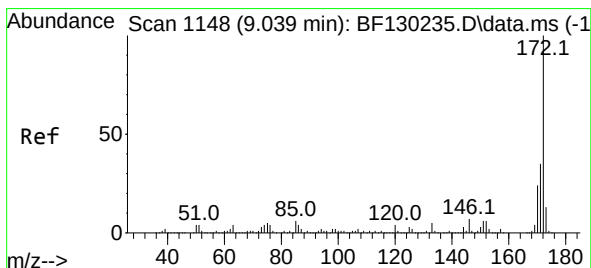
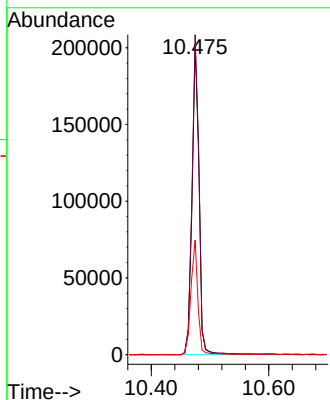
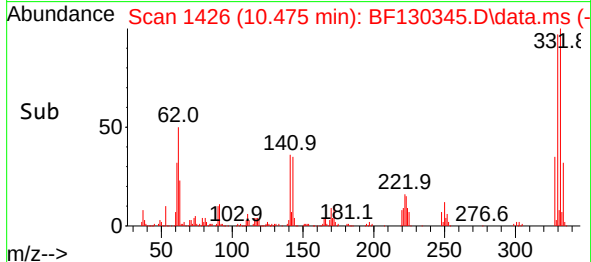
Instrument :
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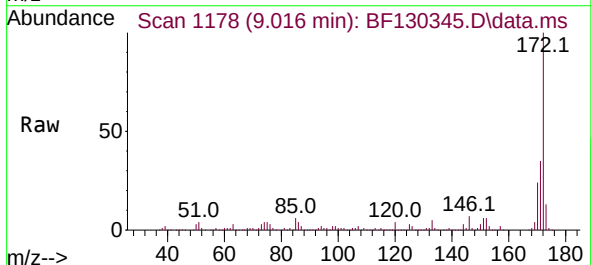
Tgt Ion: 330 Resp: 166852
Ion Ratio Lower Upper
330 100
332 103.7 83.4 125.2
141 36.8 34.0 51.0

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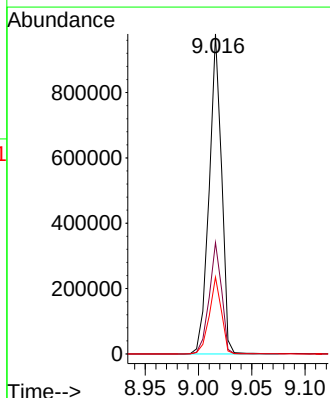
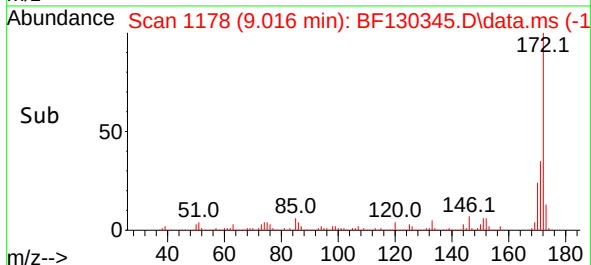
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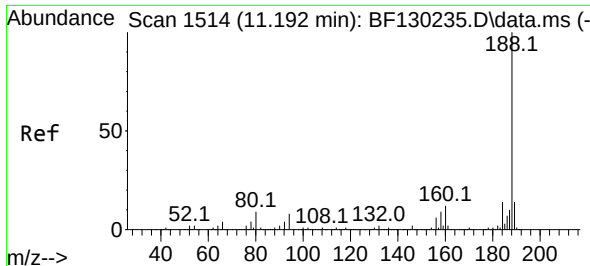


#45
2-Fluorobiphenyl
Concen: 80.239 ng
RT: 9.016 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



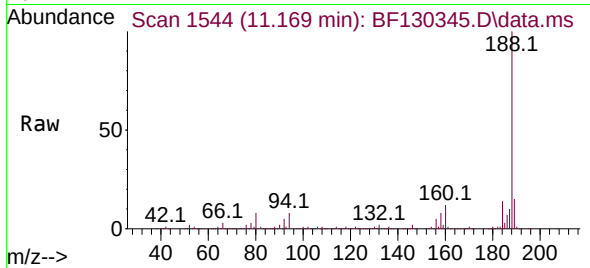
Tgt Ion: 172 Resp: 792252
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 24.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

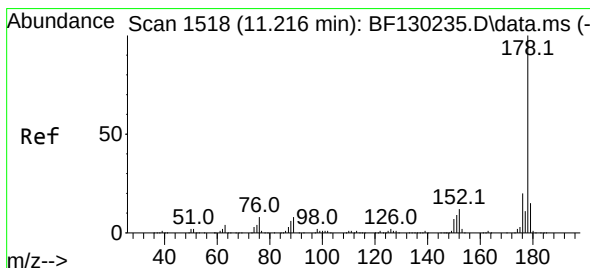
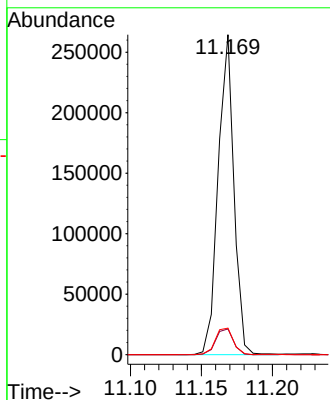
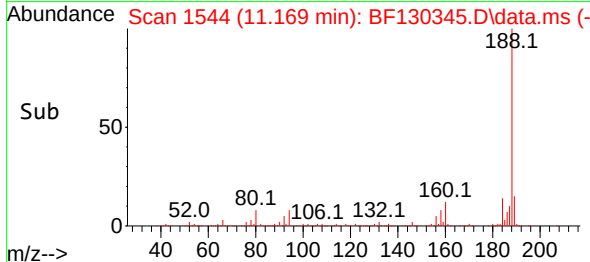
Instrument :
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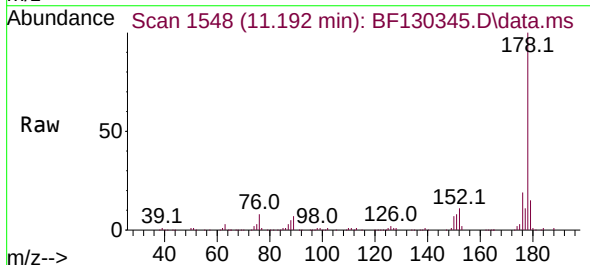
Tgt Ion:188 Resp: 204630
Ion Ratio Lower Upper
188 100
94 8.0 7.4 11.2
80 8.3 7.9 11.9

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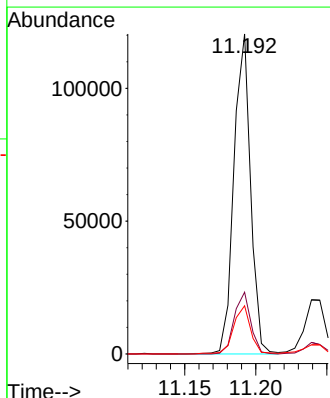
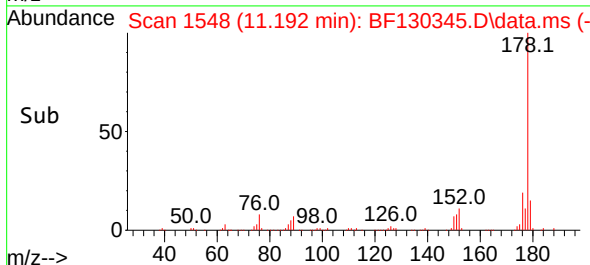
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Supervised By :Jagrut Upadhyay 09/21/2022

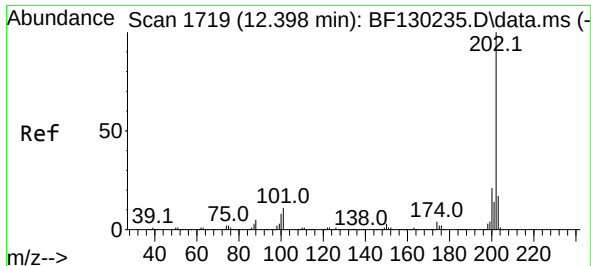


#71
Phenanthrene
Concen: 8.537 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



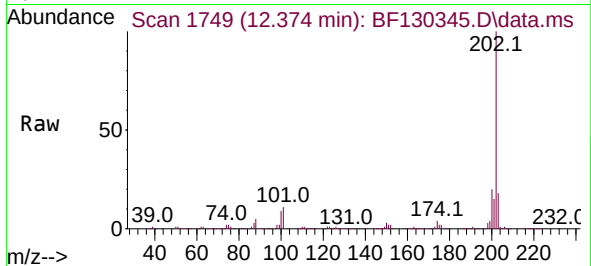
Tgt Ion:178 Resp: 98075
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 16.693 ng
RT: 12.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

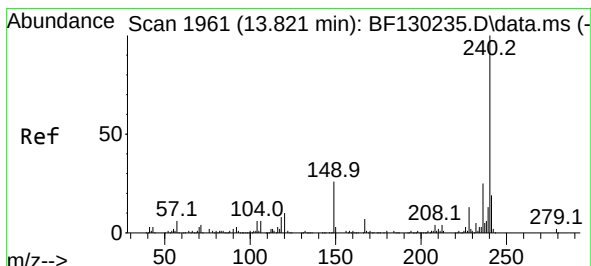
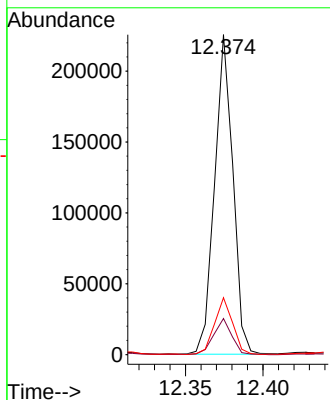
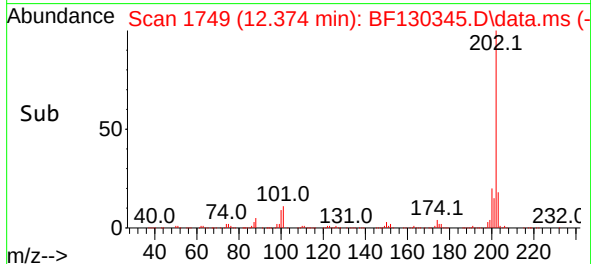
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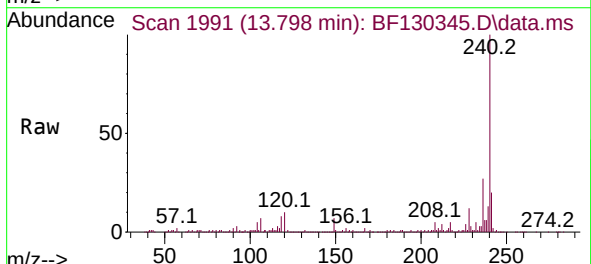
Tgt Ion:202 Resp: 185322
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.8
203 17.8 0.0 37.8

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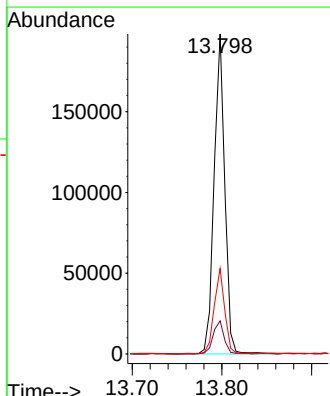
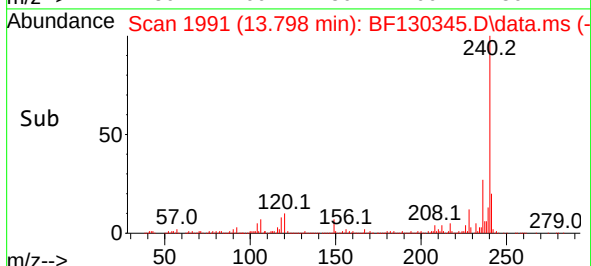
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Supervised By :Jagrut Upadhyay 09/21/2022

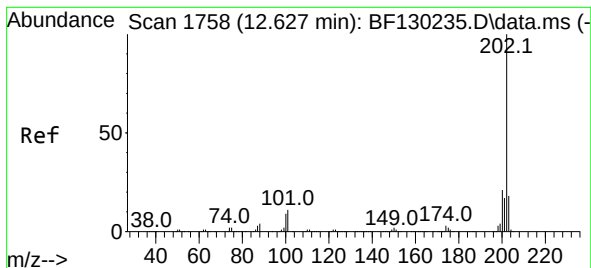


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



Tgt Ion:240 Resp: 163832
Ion Ratio Lower Upper
240 100
120 10.3 8.7 13.1
236 26.7 20.9 31.3





#78

Pyrene

Concen: 14.129 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

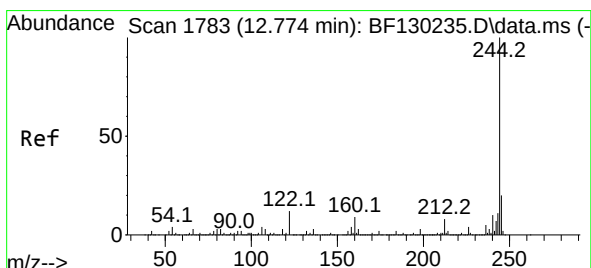
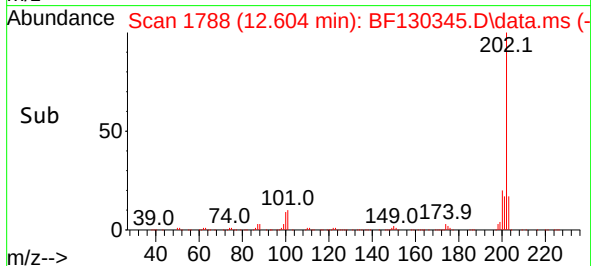
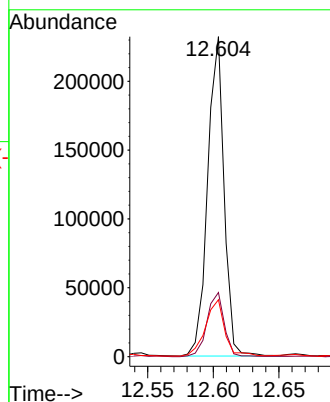
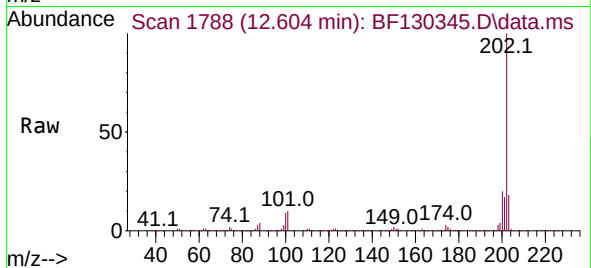
ROLLOFF-SOIL

Tgt Ion:	202	Resp:	202497
Ion Ratio	Lower	Upper	
202	100		
200	20.0	17.2	25.8
203	17.8	14.3	21.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 64.161 ng

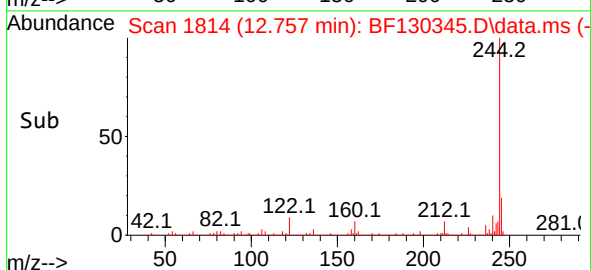
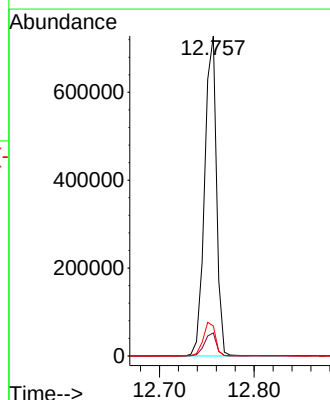
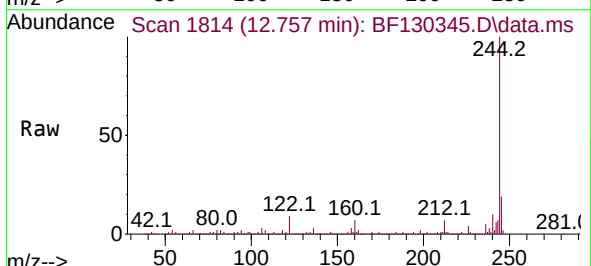
RT: 12.757 min Scan# 1814

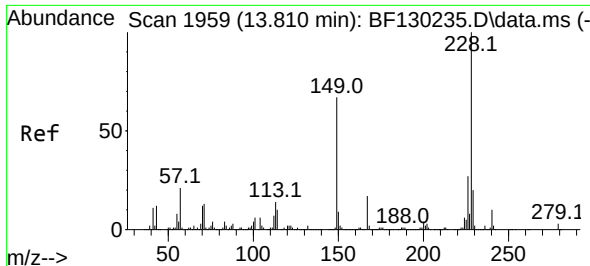
Delta R.T. 0.000 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

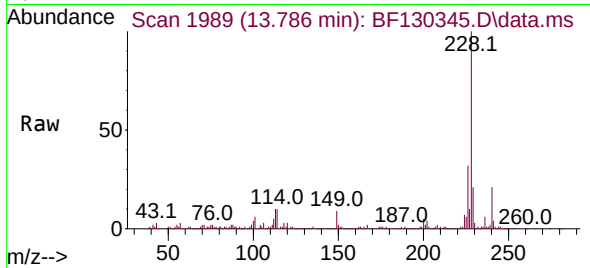
Tgt Ion:	244	Resp:	634567
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	9.4	8.5	12.7





#81
Benzo(a)anthracene
Concen: 11.250 ng
RT: 13.786 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

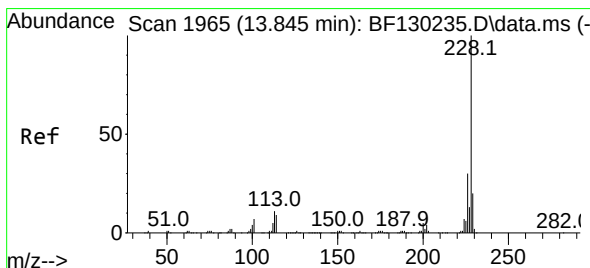
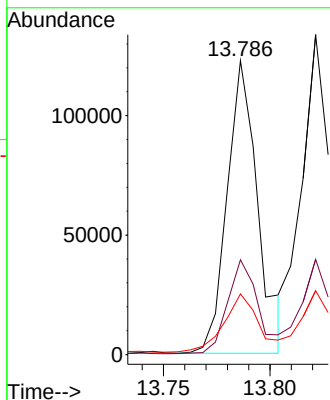
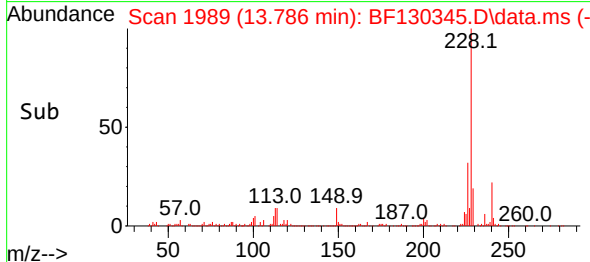
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL



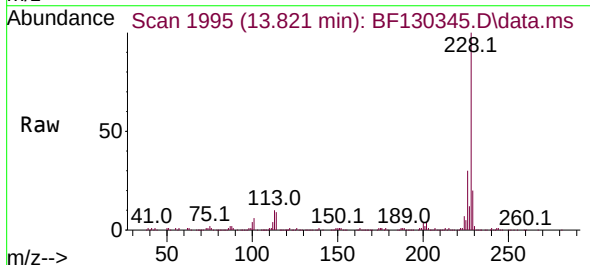
Tgt Ion:228 Resp: 122609
Ion Ratio Lower Upper
228 100
226 32.2 21.9 32.9
229 20.7 16.1 24.1

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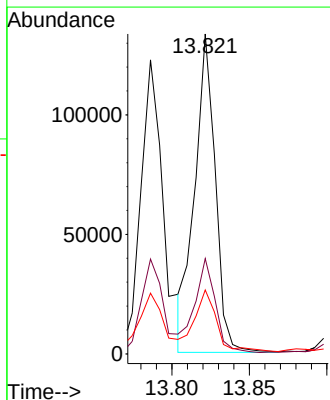
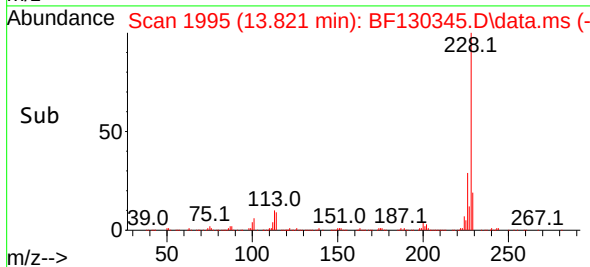
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

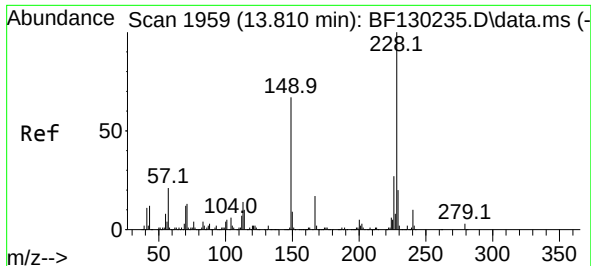


#83
Chrysene
Concen: 11.894 ng
RT: 13.821 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



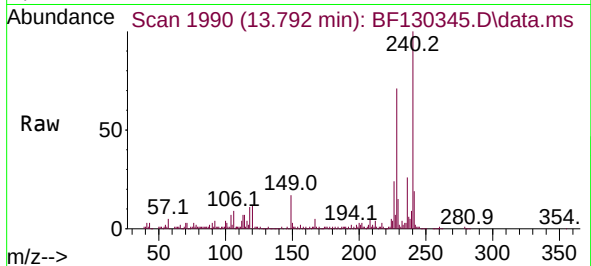
Tgt Ion:228 Resp: 123084
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 20.0 15.3 22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.269 ng
RT: 13.792 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

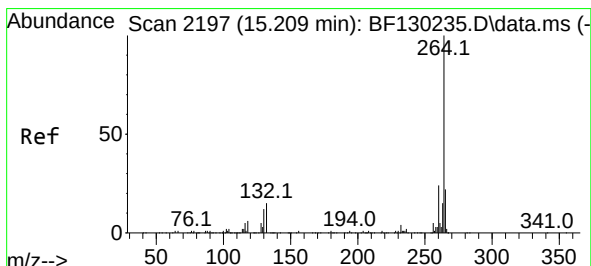
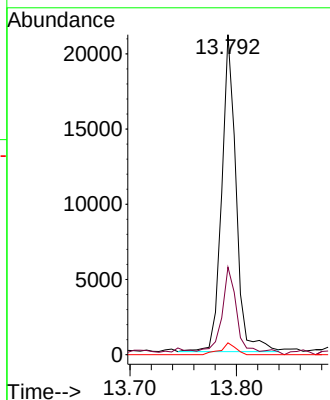
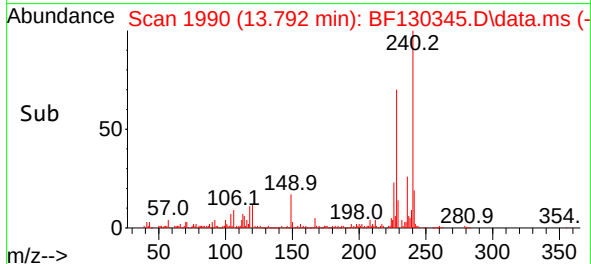
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL



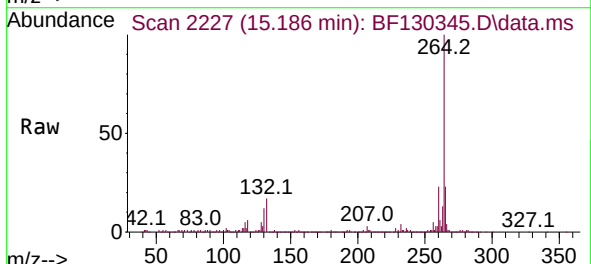
Tgt Ion:149 Resp: 19882
Ion Ratio Lower Upper
149 100
167 27.3 20.5 30.7
279 3.7 2.9 4.3

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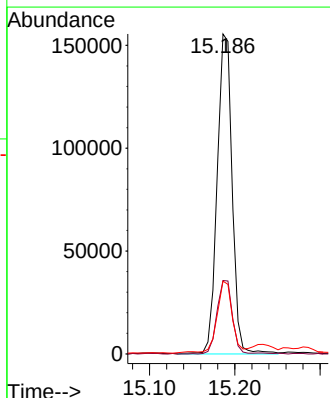
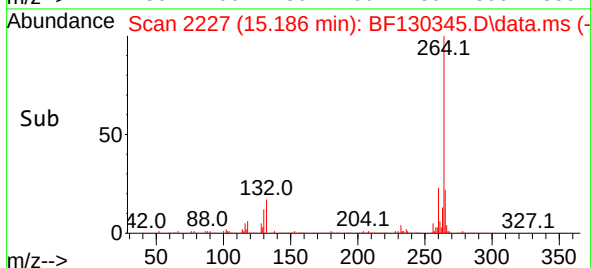
Reviewed By :Christian Giraldo 09/21/2022
Supervised By :Jagrut Upadhyay 09/21/2022

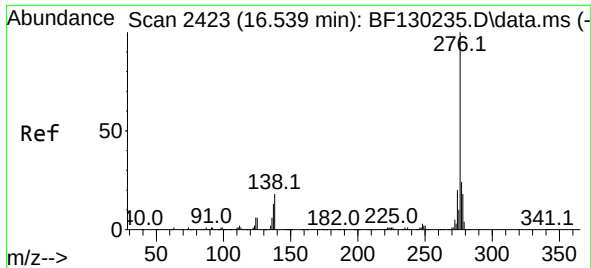


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.186 min Scan# 2227
Delta R.T. 0.000 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33



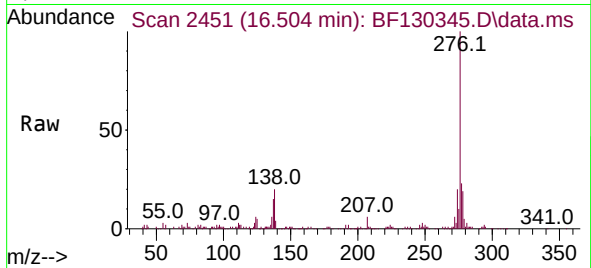
Tgt Ion:264 Resp: 190304
Ion Ratio Lower Upper
264 100
260 22.9 19.3 28.9
265 22.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.613 ng
RT: 16.504 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

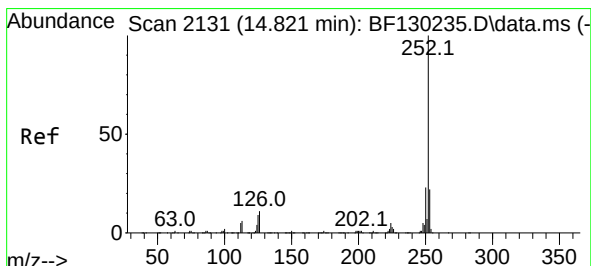
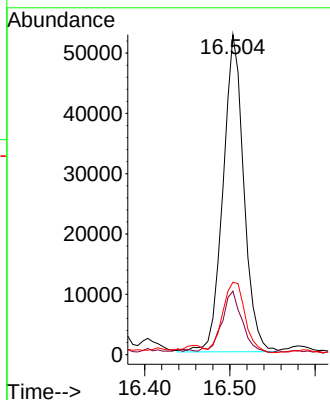
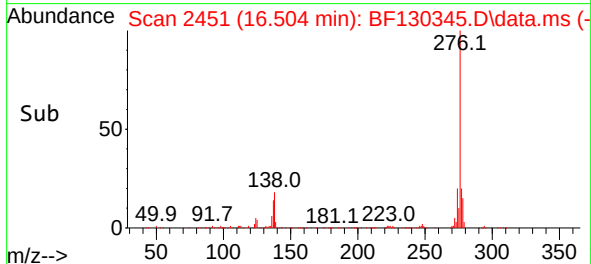
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL



Tgt Ion: 276 Resp: 89245
Ion Ratio Lower Upper
276 100
138 18.5 18.5 27.7
277 23.7 20.2 30.4

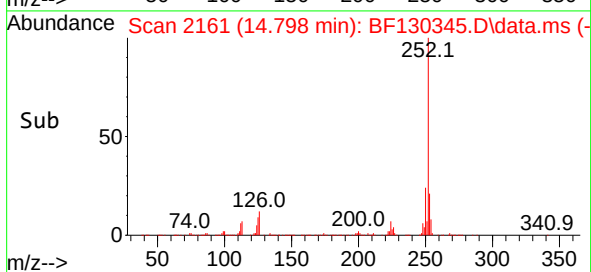
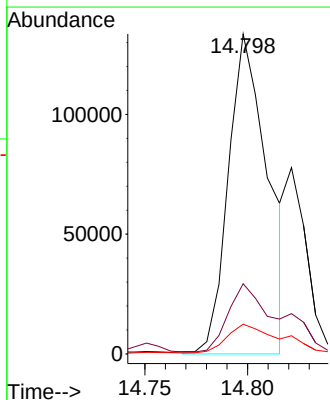
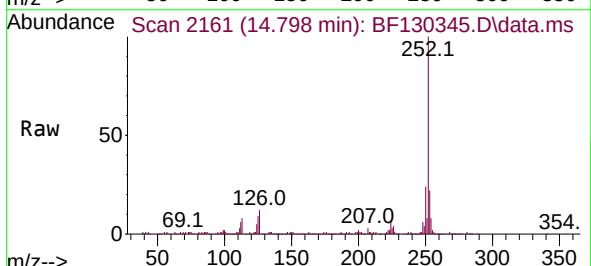
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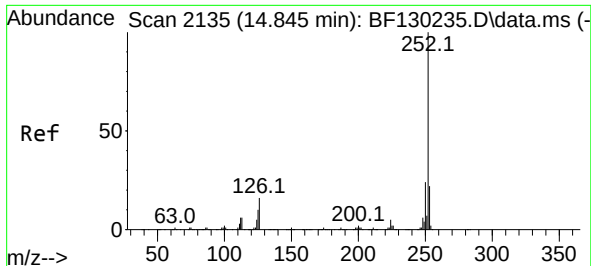
Reviewed By : Christian Giraldo 09/21/2022
Supervised By : Jagrut Upadhyay 09/21/2022



#88
Benzo(b)fluoranthene
Concen: 14.296 ng m
RT: 14.798 min Scan# 2161
Delta R.T. 0.000 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion: 252 Resp: 177571
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 9.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 4.492 ng m

RT: 14.821 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-SOIL

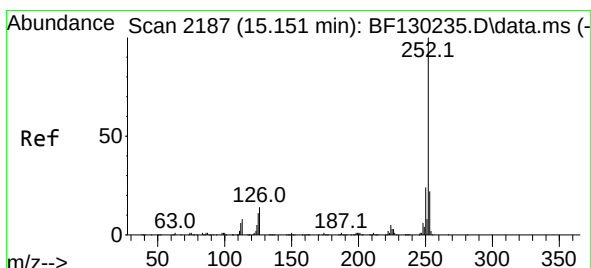
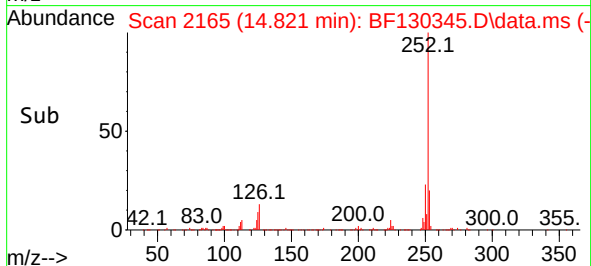
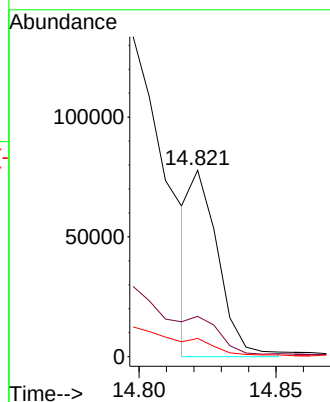
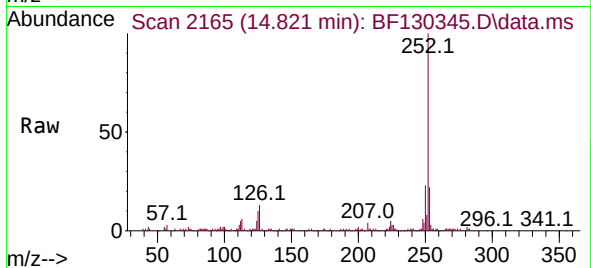
Tgt Ion:252 Resp: 54891
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.4 26.2
 125 9.8 7.9 11.9

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Reviewed By :Christian Giraldo 09/21/2022

Supervised By :Jagrut Upadhyay 09/21/2022



#90

Benzo(a)pyrene

Concen: 12.592 ng

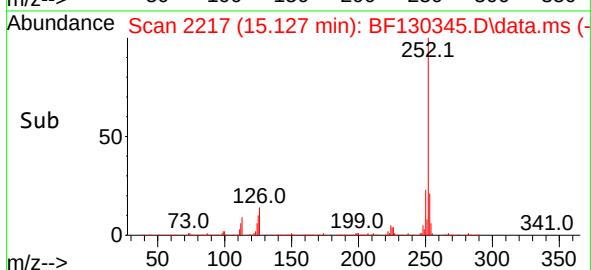
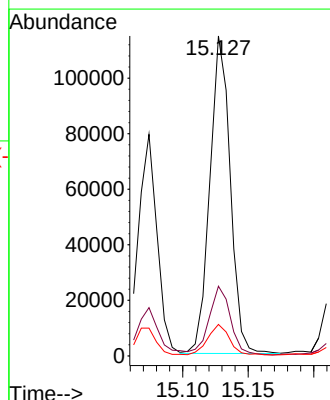
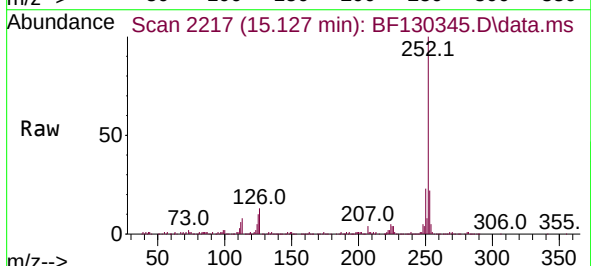
RT: 15.127 min Scan# 2217

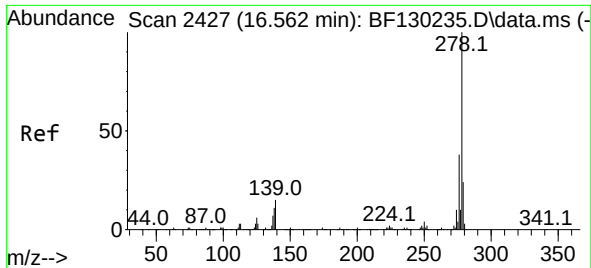
Delta R.T. -0.006 min

Lab File: BF130345.D

Acq: 20 Sep 2022 15:33

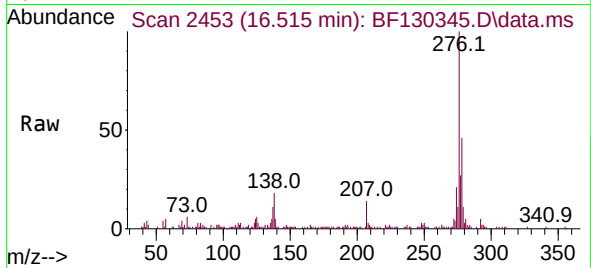
Tgt Ion:252 Resp: 123908
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.8 26.6
 125 9.8 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 2.430 ng m
RT: 16.515 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

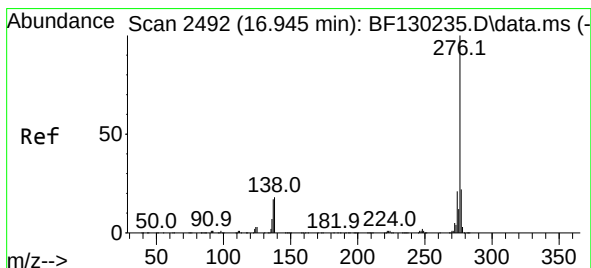
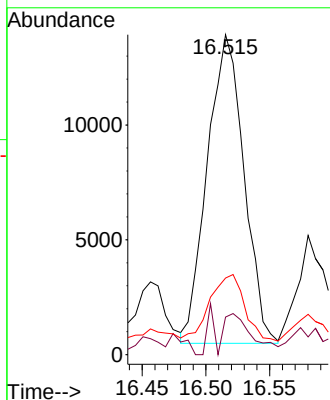
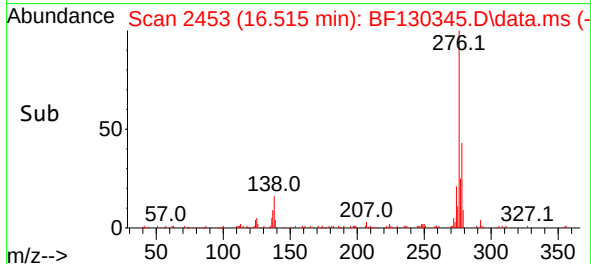
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-SOIL



Tgt Ion: 278 Resp: 26902
Ion Ratio Lower Upper
278 100
139 11.7 11.8 17.8
279 23.9 19.4 29.0

Manual Integrations
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Reviewed By : Christian Giraldo 09/21/2022
Supervised By : Jagrut Upadhyay 09/21/2022



#92
Benzo(g,h,i)perylene
Concen: 8.140 ng
RT: 16.904 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF130345.D
Acq: 20 Sep 2022 15:33

Tgt Ion: 276 Resp: 90774
Ion Ratio Lower Upper
276 100
277 25.3 18.6 27.8
138 19.8 14.6 21.8

