

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130745.D
 Acq On : 21 Oct 2022 15:13
 Operator : CG\JU
 Sample : N5211-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-SOILPILE-1020

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/24/2022
 Supervised By : Jagrut Upadhyay 10/24/2022

Quant Time: Oct 21 18:17:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	99913	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	348009	20.000	ng	0.00
39) Acenaphthene-d10	9.586	164	172797	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	290446	20.000	ng	0.00
76) Chrysene-d12	13.704	240	157675	20.000	ng	# 0.00
86) Perylene-d12	15.080	264	144263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	474143	81.833	ng	0.00
7) Phenol-d6	6.216	99	524035	74.752	ng	0.00
23) Nitrobenzene-d5	7.133	82	360765	54.992	ng	0.00
42) 2,4,6-Tribromophenol	10.380	330	138904	84.528	ng	0.00
45) 2-Fluorobiphenyl	8.916	172	699644	61.703	ng	-0.01
79) Terphenyl-d14	12.651	244	459045	49.061	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.098	178	42909	2.694	ng	98
75) Fluoranthene	12.280	202	77112	4.789	ng	100
78) Pyrene	12.510	202	79249	5.988	ng	99
81) Benzo(a)anthracene	13.692	228	33037	3.136	ng	97
83) Chrysene	13.733	228	34881	3.417	ng	99
88) Benzo(b)fluoranthene	14.709	252	44992m	4.684	ng	
90) Benzo(a)pyrene	15.033	252	29084	3.770	ng	100

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

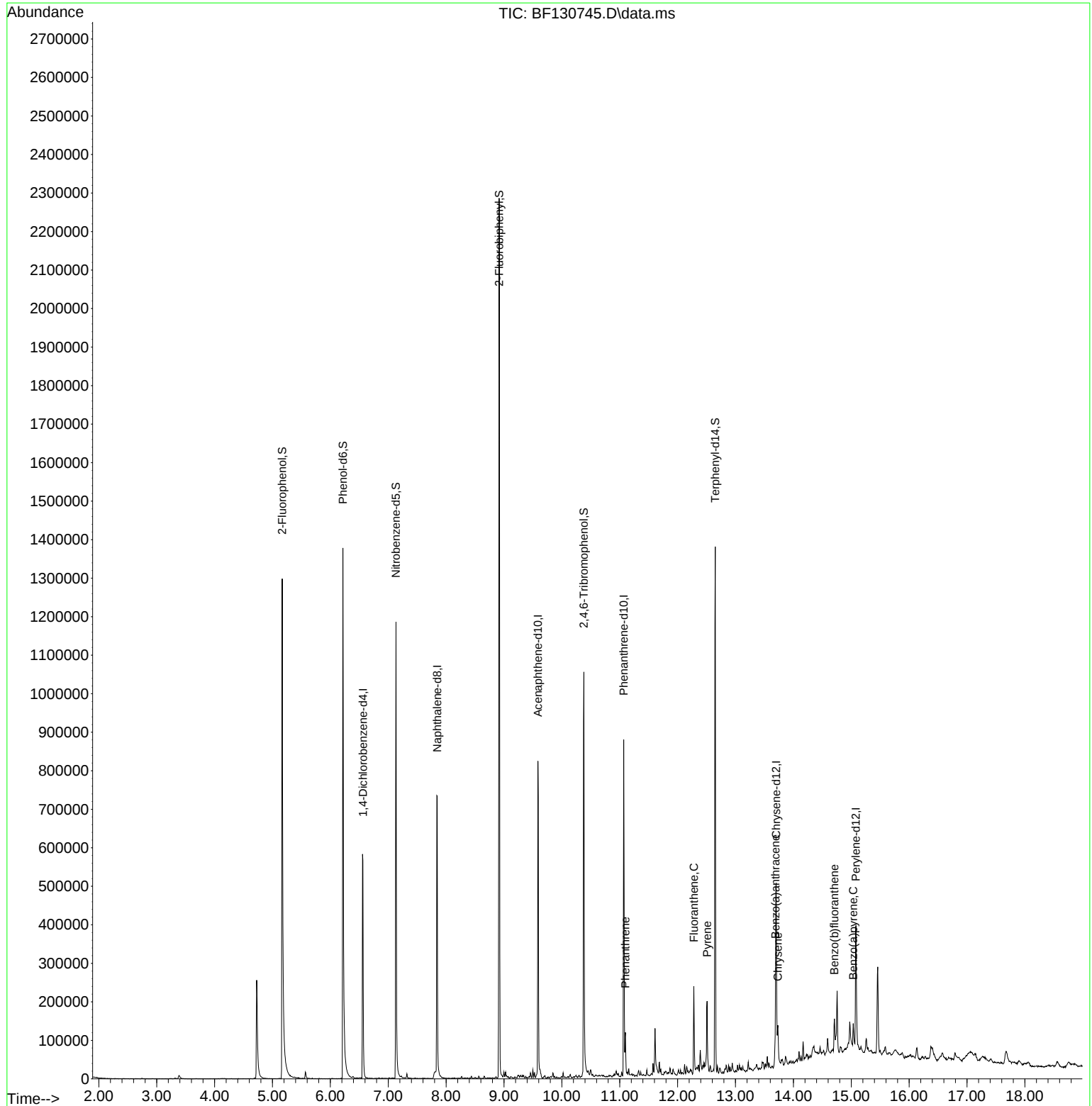
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130745.D
Acq On : 21 Oct 2022 15:13
Operator : CG\JU
Sample : N5211-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

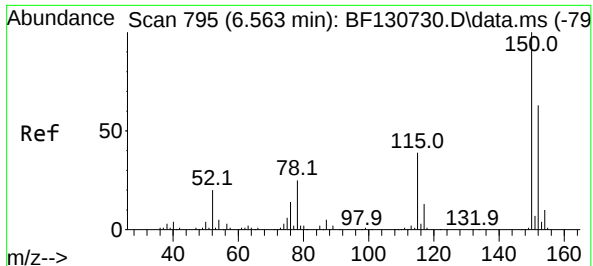
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020

Manual Integrations
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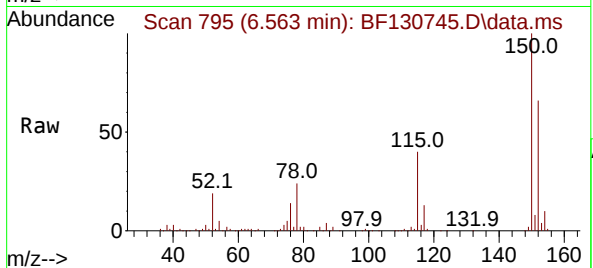
Quant Time: Oct 21 18:17:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

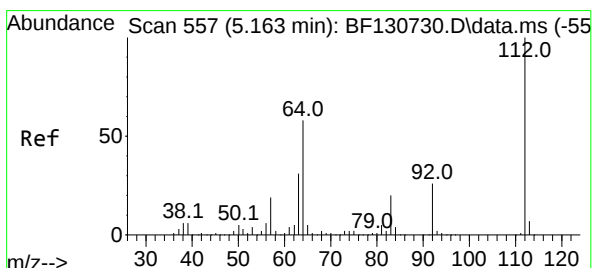
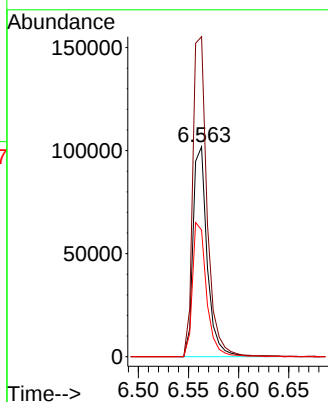
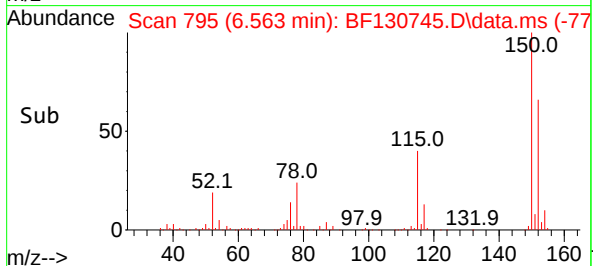
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020



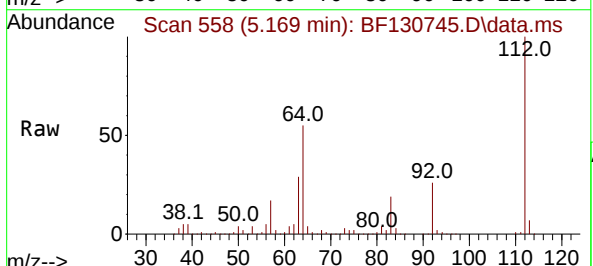
Tgt Ion:152 Resp: 9991
Ion Ratio Lower Upper
152 100
150 152.4 127.0 190.6
115 60.4 49.9 74.9

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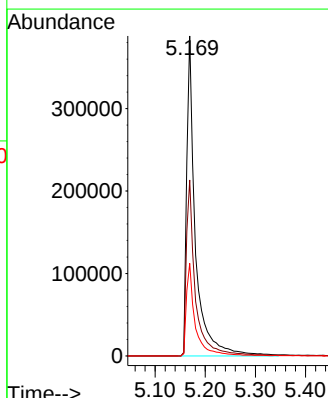
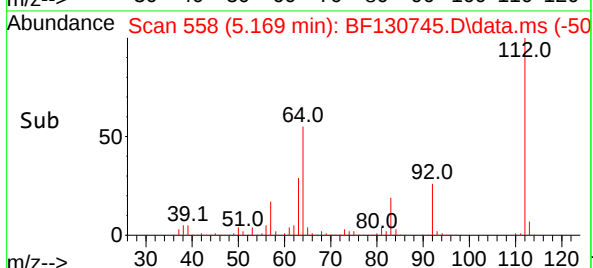
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

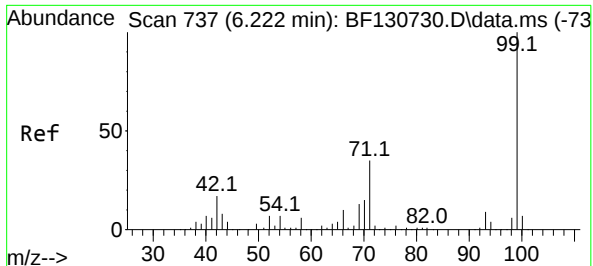


#5
2-Fluorophenol
Concen: 81.833 ng
RT: 5.169 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13



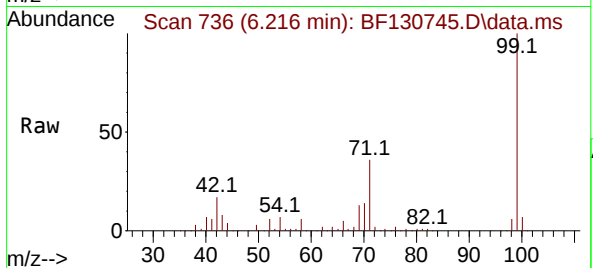
Tgt Ion:112 Resp: 474143
Ion Ratio Lower Upper
112 100
64 55.0 46.2 69.4
63 29.0 25.1 37.7





#7
Phenol-d6
Concen: 74.752 ng
RT: 6.216 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

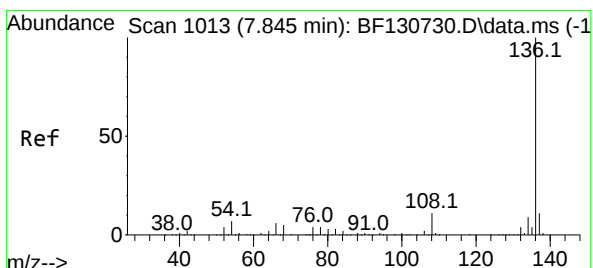
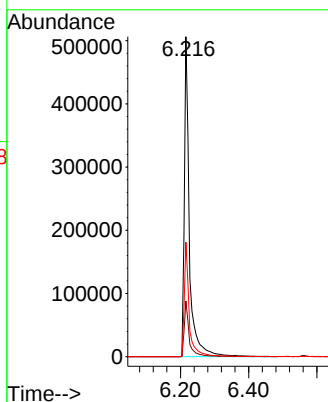
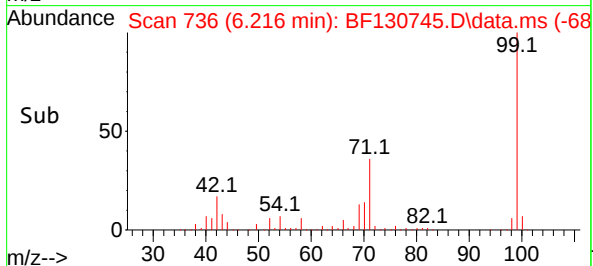
Instrument :
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ClientSampleId :
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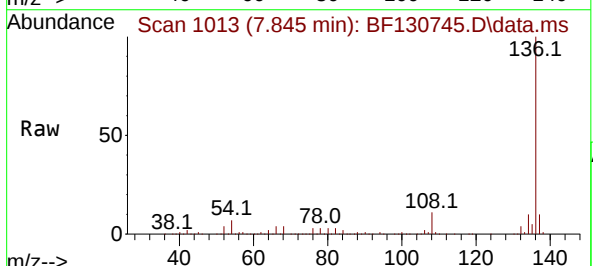
Tgt Ion: 99 Resp: 524035
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 35.8 28.3 42.5

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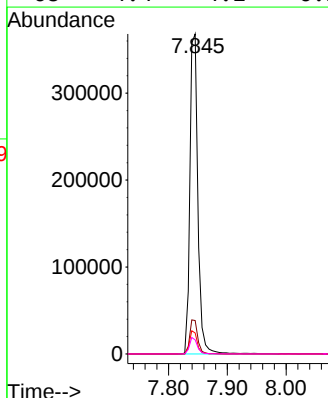
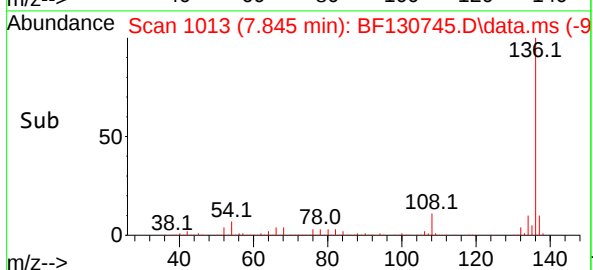
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

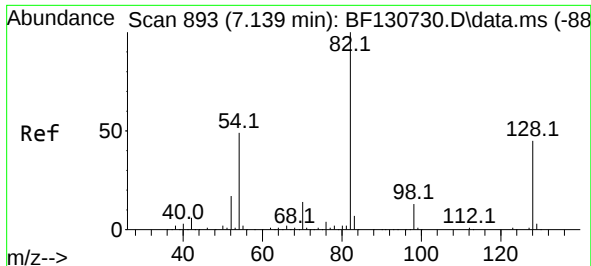


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13



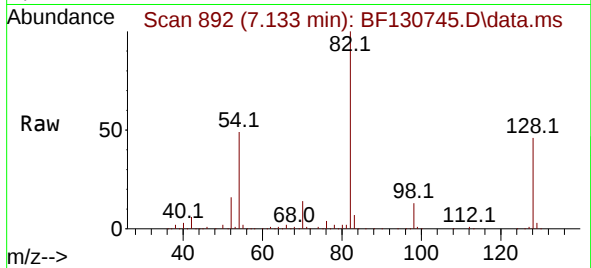
Tgt Ion:136 Resp: 348009
Ion Ratio Lower Upper
136 100
137 10.5 9.1 13.7
54 6.5 5.8 8.8
68 4.4 4.2 6.2





#23
Nitrobenzene-d5
Concen: 54.992 ng
RT: 7.133 min Scan# 893
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

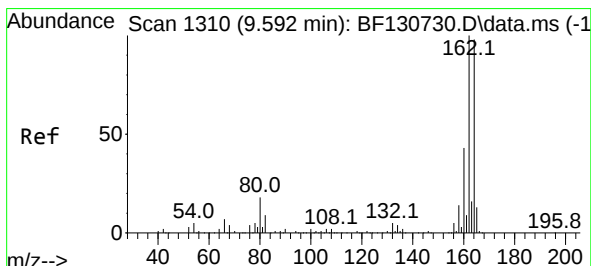
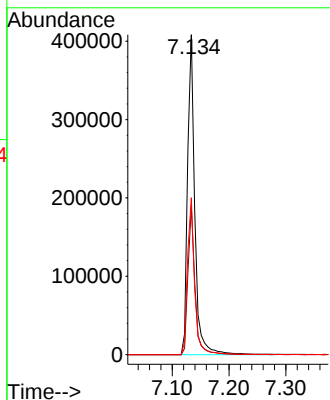
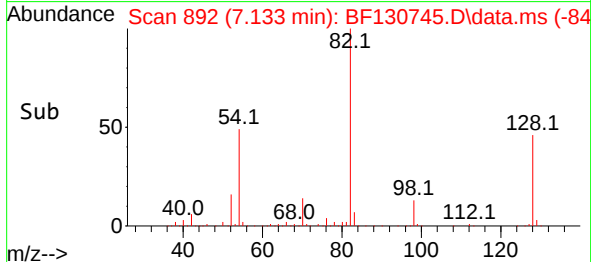
Instrument :
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Tgt Ion: 82 Resp: 36076
Ion Ratio Lower Upper
82 100
128 46.5 35.9 53.9
54 49.1 39.2 58.8

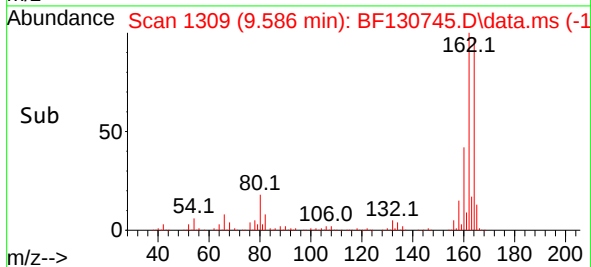
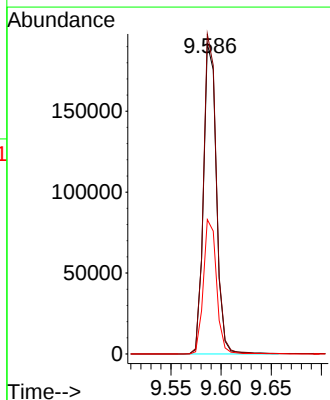
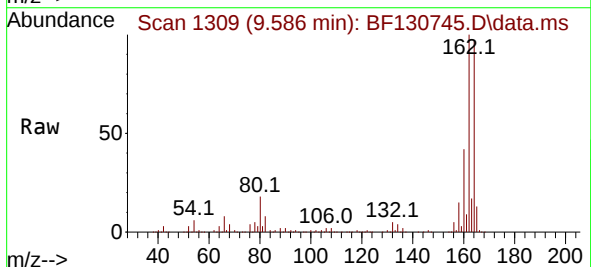
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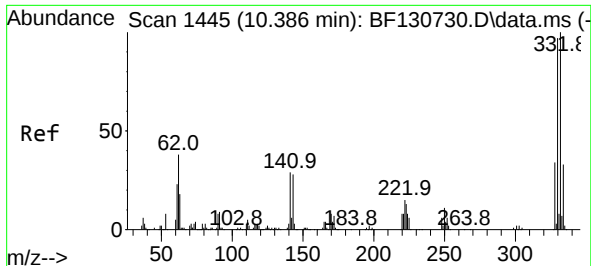
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.586 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

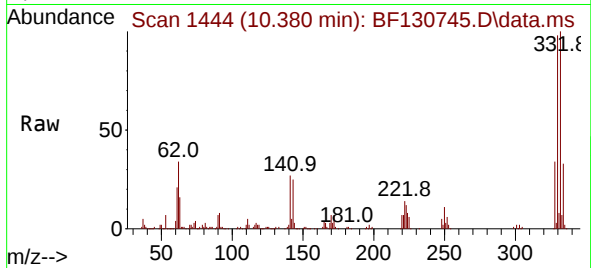
Tgt Ion:164 Resp: 172797
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 43.3 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 84.528 ng
RT: 10.380 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

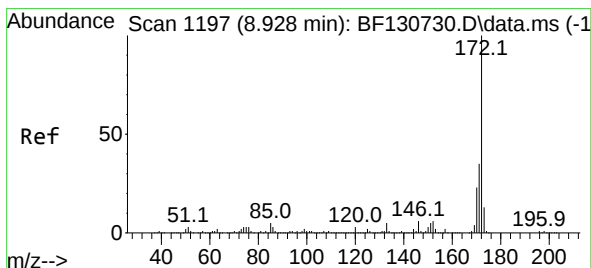
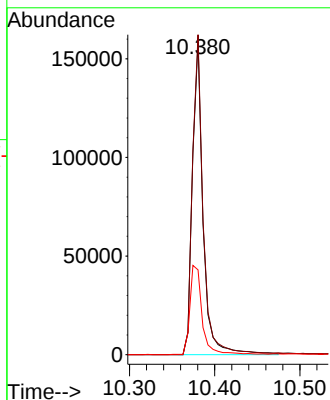
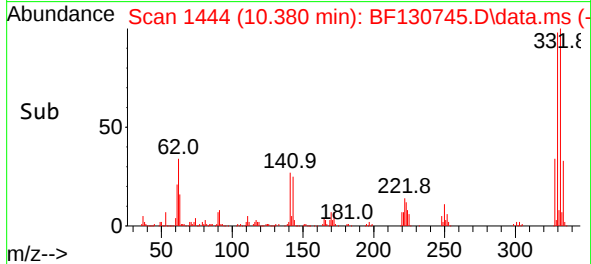
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020



Tgt Ion:330 Resp: 138904
Ion Ratio Lower Upper
330 100
332 103.8 81.4 122.2
141 32.9 24.6 37.0

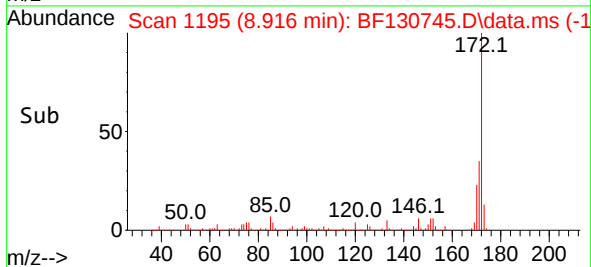
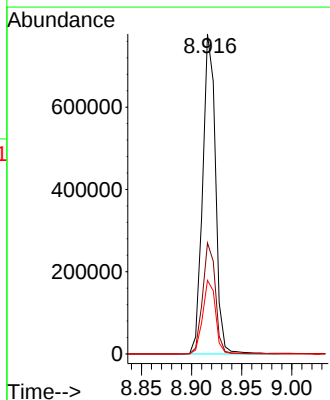
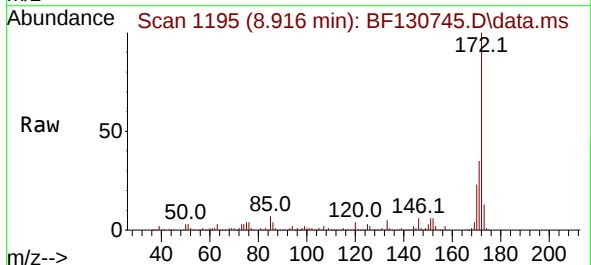
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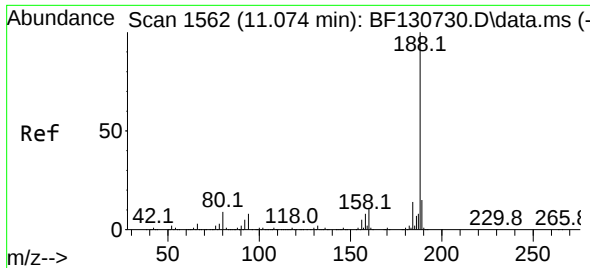
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#45
2-Fluorobiphenyl
Concen: 61.703 ng
RT: 8.916 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:172 Resp: 699644
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.0 18.5 27.7





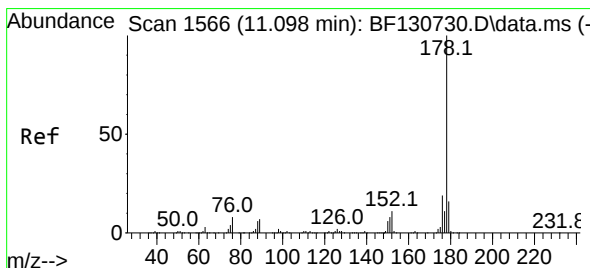
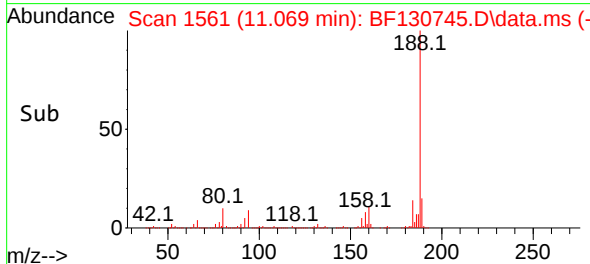
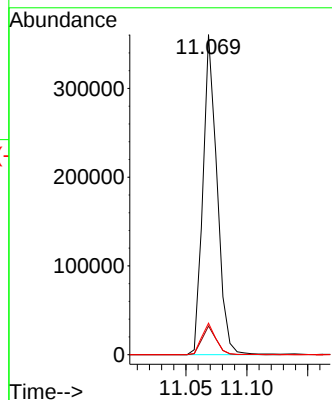
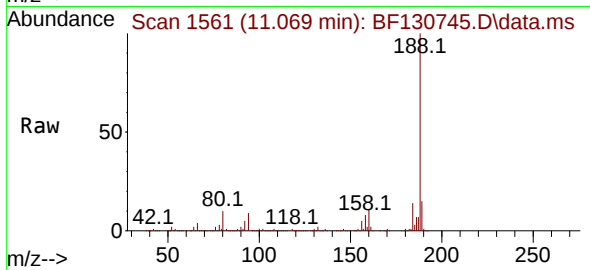
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.069 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Instrument :
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ClientSampleId :
SB-SOILPILE-1020

Tgt Ion:188 Resp: 290440
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.9 7.4 11.0

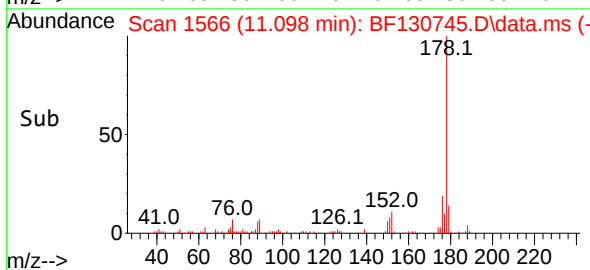
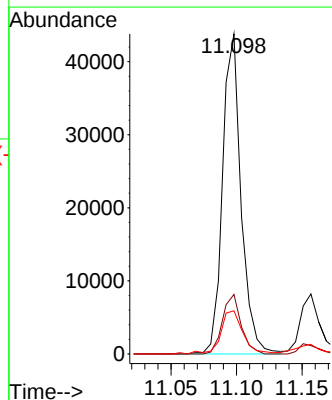
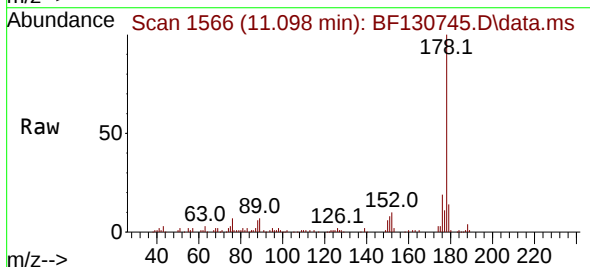
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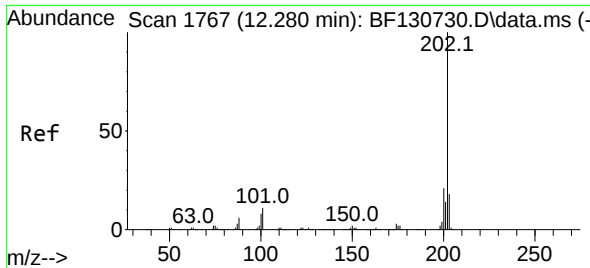
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#71
Phenanthrene
Concen: 2.694 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:178 Resp: 42909
Ion Ratio Lower Upper
178 100
176 18.6 15.1 22.7
179 13.5 12.4 18.6





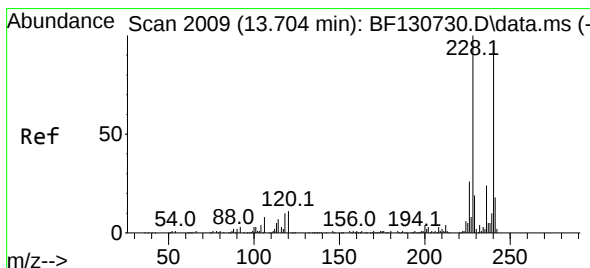
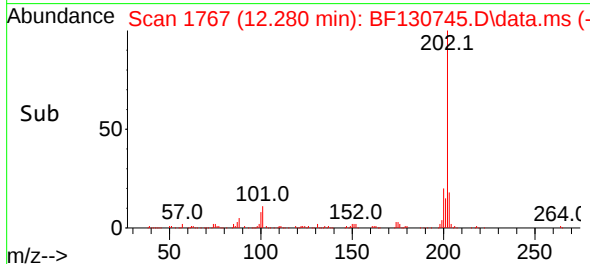
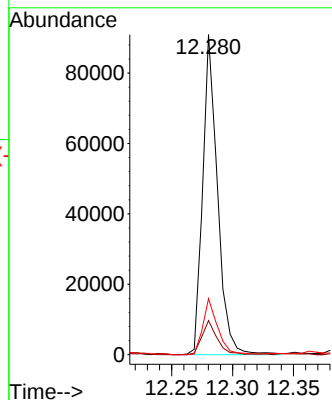
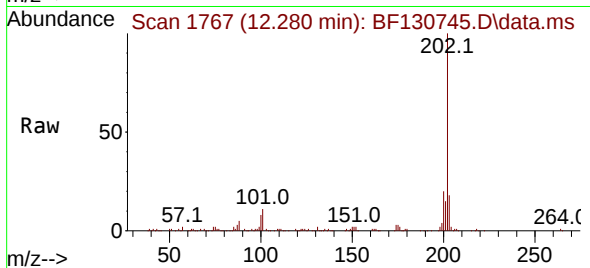
#75
Fluoranthene
Concen: 4.789 ng
RT: 12.280 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Instrument :
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SB-SOILPILE-1020

Tgt Ion:202 Resp: 77111
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.0
203 17.5 0.0 37.6

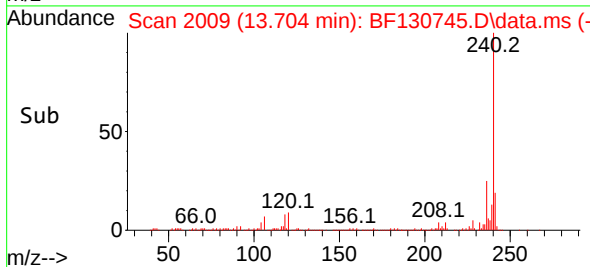
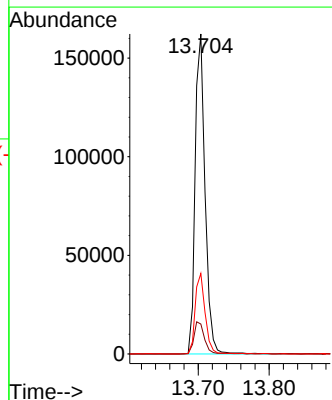
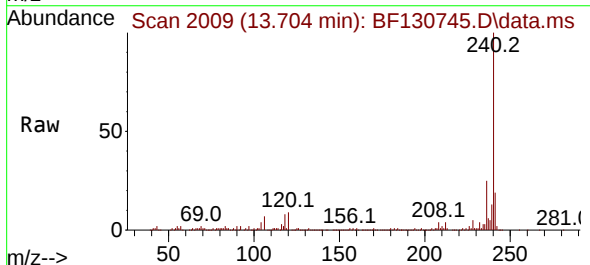
Manual Integrations
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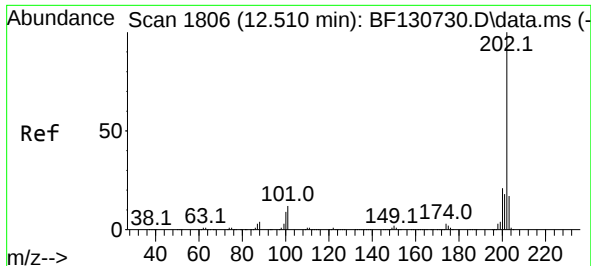
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

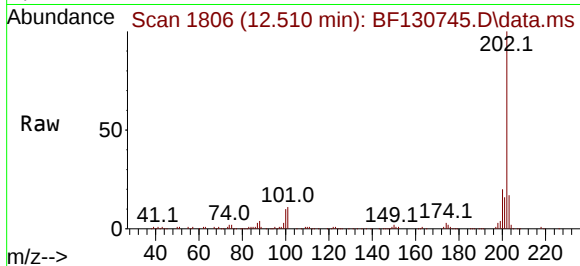
Tgt Ion:240 Resp: 157675
Ion Ratio Lower Upper
240 100
120 9.3 9.6 14.4#
236 25.1 20.2 30.2





#78
Pyrene
Concen: 5.988 ng
RT: 12.510 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

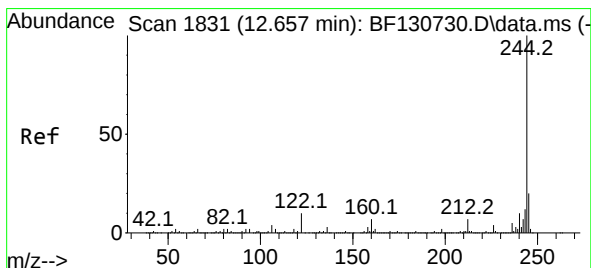
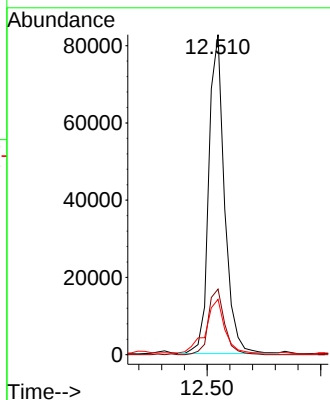
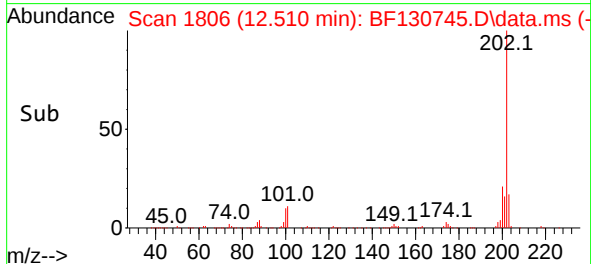
Instrument :
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ClientSampleId :
SB-SOILPILE-1020



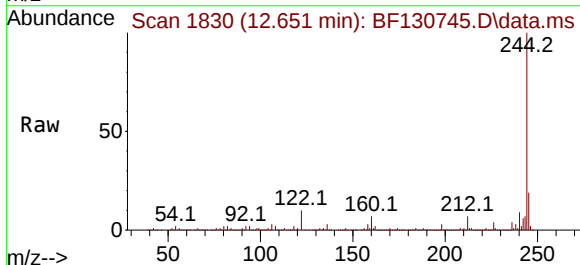
Tgt Ion:202 Resp: 79249
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.3 13.8 20.8

Manual Integrations
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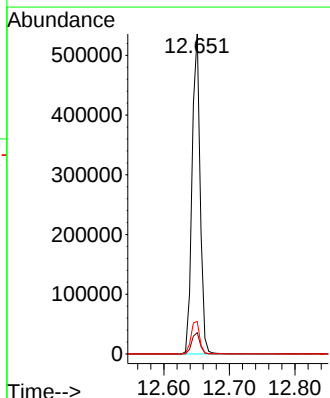
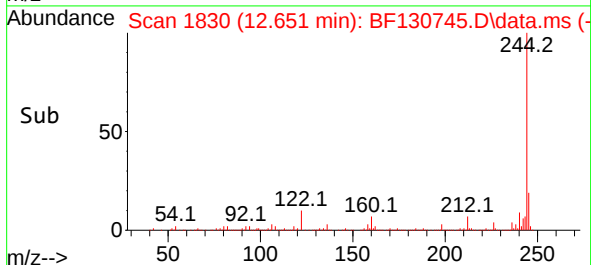
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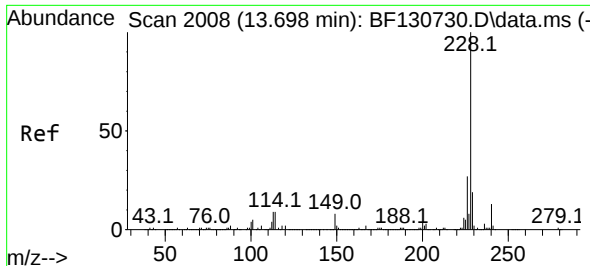


#79
Terphenyl-d14
Concen: 49.061 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13



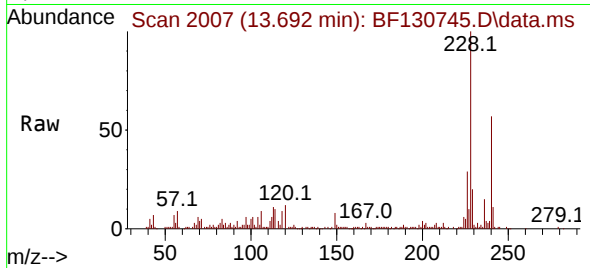
Tgt Ion:244 Resp: 459045
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 10.1 8.2 12.4





#81
Benzo(a)anthracene
Concen: 3.136 ng
RT: 13.692 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

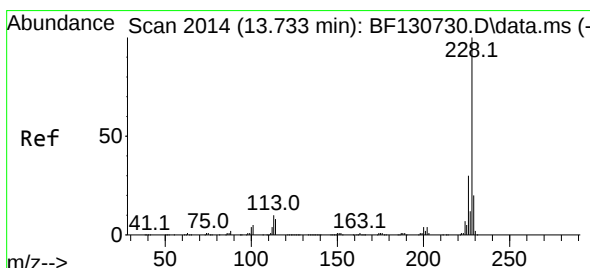
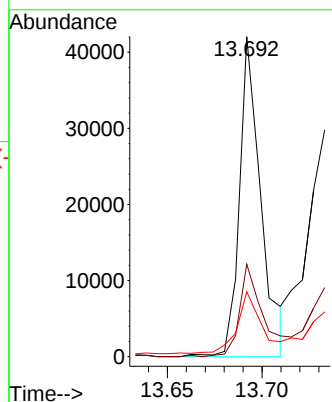
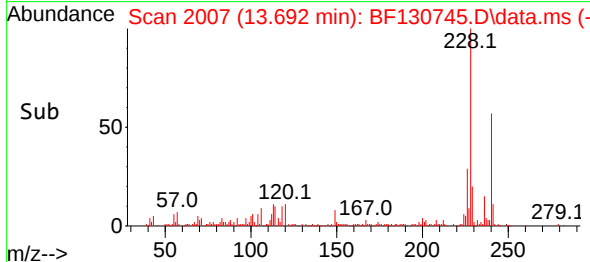
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020



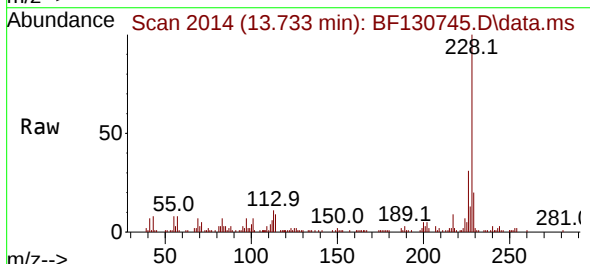
Tgt Ion:228 Resp: 3303
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 20.3 15.4 23.2

Manual Integrations
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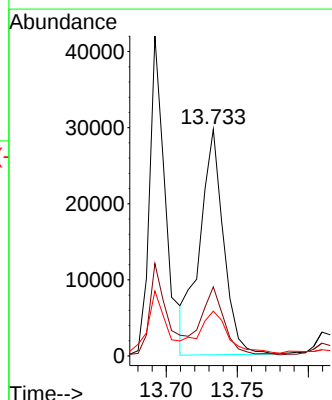
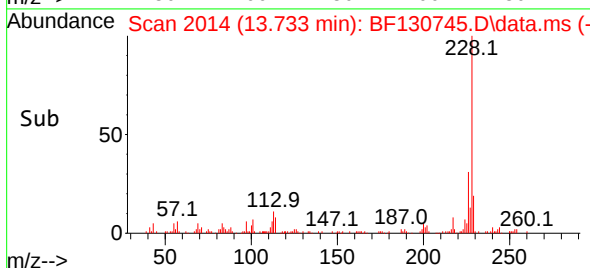
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

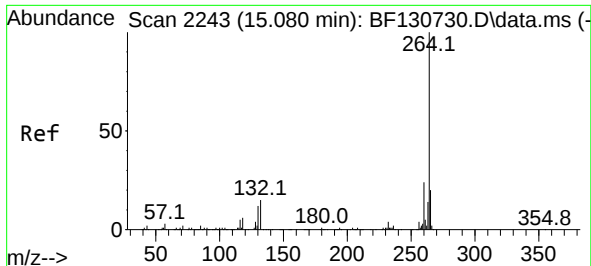


#83
Chrysene
Concen: 3.417 ng
RT: 13.733 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13



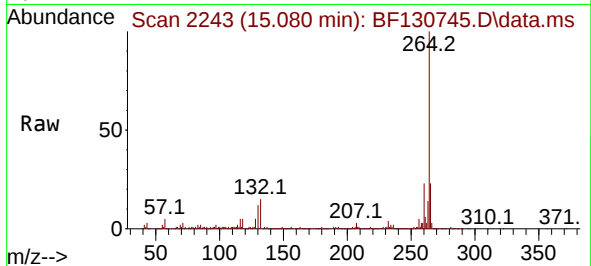
Tgt Ion:228 Resp: 34881
Ion Ratio Lower Upper
228 100
226 30.5 23.6 35.4
229 19.7 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.080 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

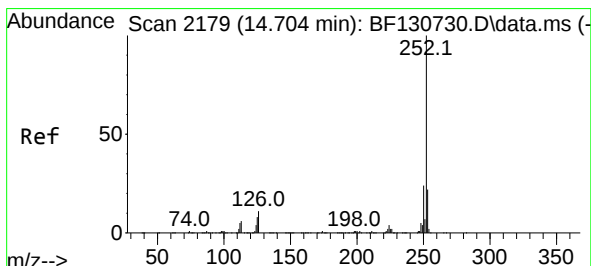
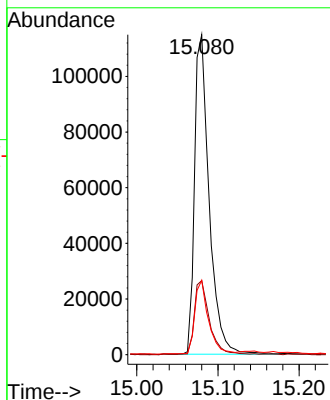
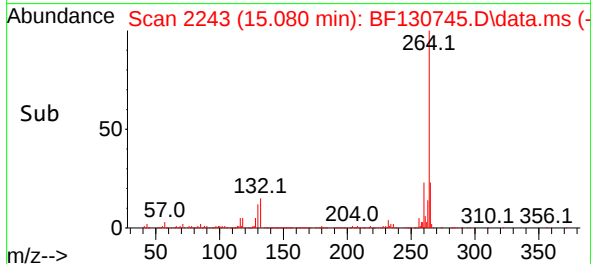
Instrument :
BNA_F
ClientSampleId :
SB-SOILPILE-1020



Tgt Ion:264 Resp: 14426
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 23.3 16.2 24.4

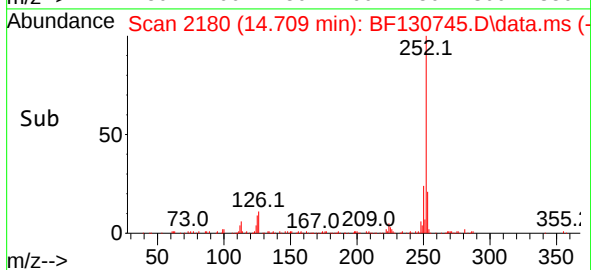
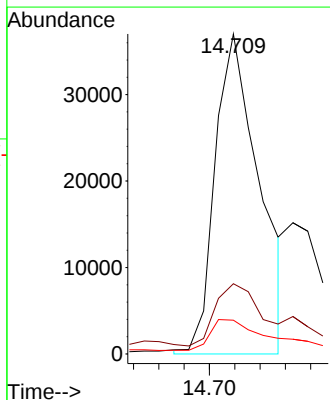
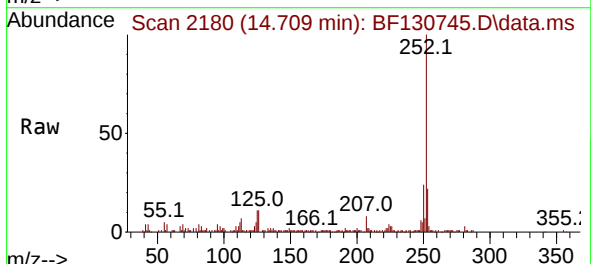
Manual Integrations
APPROVED

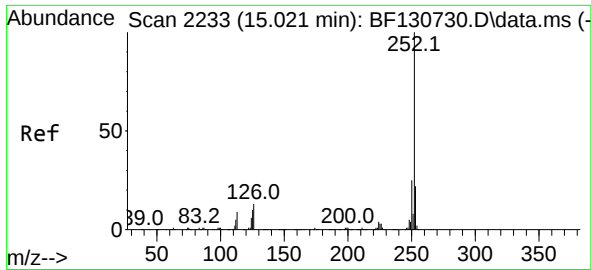
Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022



#88
Benzo(b)fluoranthene
Concen: 4.684 ng m
RT: 14.709 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BF130745.D
Acq: 21 Oct 2022 15:13

Tgt Ion:252 Resp: 44992
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.6 6.4 9.6#





#90

Benzo(a)pyrene

Concen: 3.770 ng

RT: 15.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF130745.D

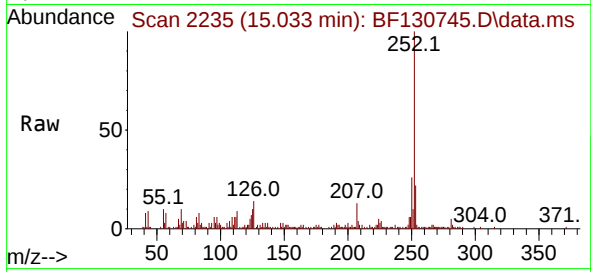
Acq: 21 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

SB-SOILPILE-1020



Tgt Ion:	252	Resp:	29084
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.4	26.0
125	10.5	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/24/2022
Supervised By :Jagrut Upadhyay 10/24/2022

