

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129439.D
 Acq On : 29 Jul 2022 13:29
 Operator : CG\JU
 Sample : N3964-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/01/2022
 Supervised By : Jagrut Upadhyay 08/01/2022

Quant Time: Jul 29 18:20:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	191224	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	764050	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	394213	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	639616	20.000	ng	0.00
76) Chrysene-d12	14.068	240	362832	20.000	ng	0.00
86) Perylene-d12	15.562	264	377007	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1430811	121.888	ng	0.02
7) Phenol-d6	6.528	99	1856846	125.846	ng	0.01
23) Nitrobenzene-d5	7.451	82	1180680	84.355	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	458654	121.015	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1883624	73.916	ng	0.00
79) Terphenyl-d14	13.010	244	1585876	82.459	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.192	128	883507	22.760	ng	100
37) 2-Methylnaphthalene	8.881	142	118385	4.693	ng	99
38) 1-Methylnaphthalene	8.981	142	332167	13.640	ng	98
49) Acenaphthylene	9.786	152	136571	3.865	ng	# 92
52) Acenaphthene	9.963	154	369181	15.994	ng	100
58) Fluorene	10.475	166	352793	13.857	ng	99
71) Phenanthrene	11.445	178	1416959	40.583	ng	99
72) Anthracene	11.492	178	374187	10.906	ng	99
75) Fluoranthene	12.633	202	564848	15.967	ng	98
78) Pyrene	12.869	202	737203	24.297	ng	98
81) Benzo(a)anthracene	14.057	228	218908	8.832	ng	94
83) Chrysene	14.092	228	204015	8.734	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	61921	2.439	ng	97
88) Benzo(b)fluoranthene	15.121	252	160384m	6.413	ng	
90) Benzo(a)pyrene	15.498	252	136210	6.710	ng	100
92) Benzo(g,h,i)perylene	17.533	276	58482	2.770	ng	97

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

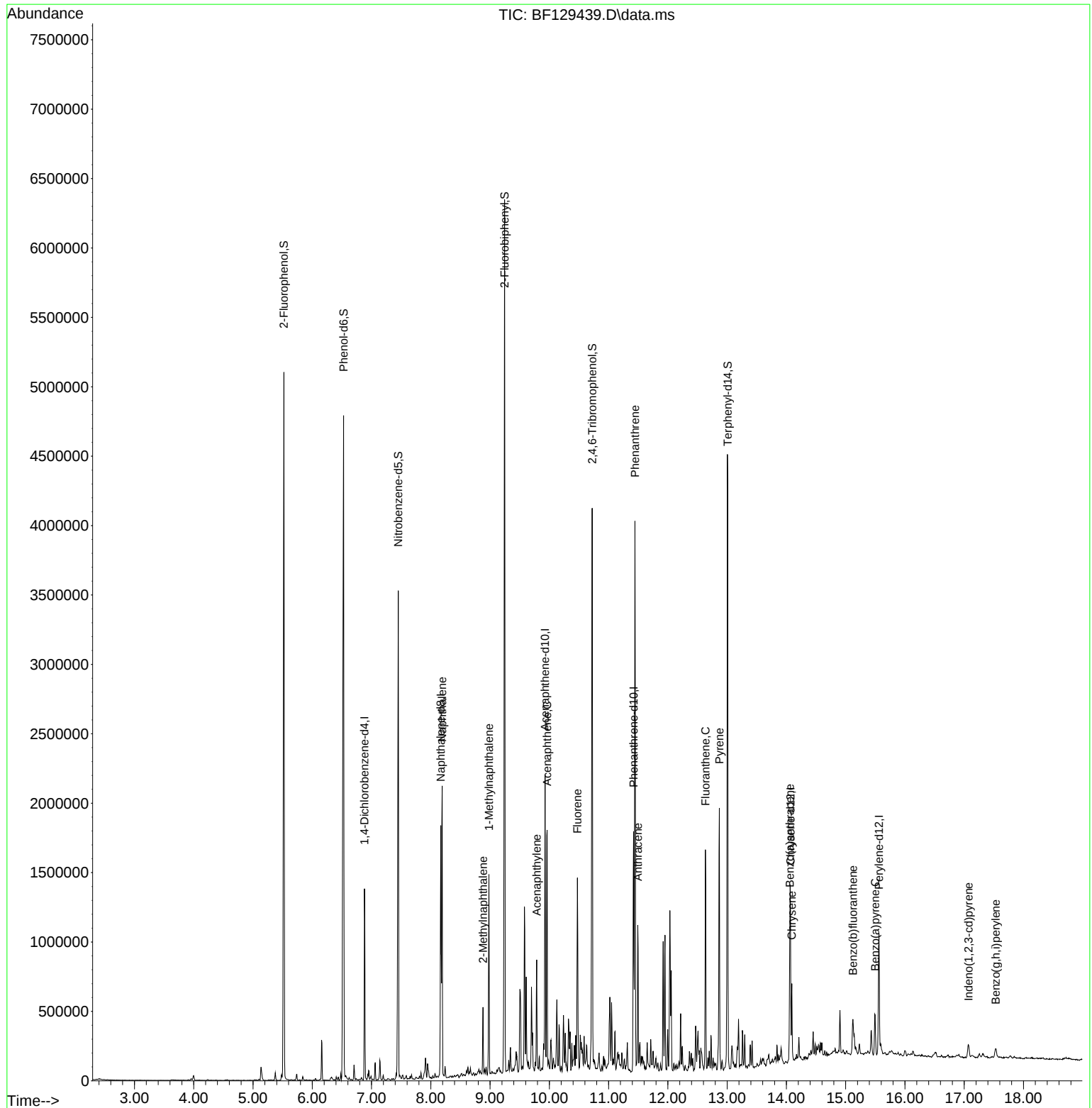
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
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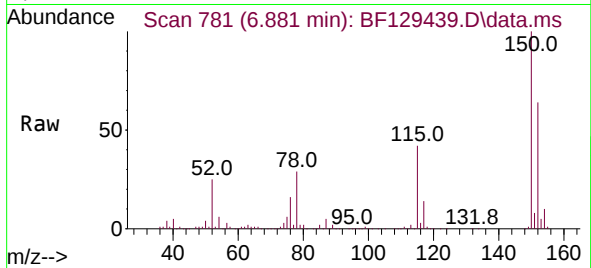
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 782
 Delta R.T. -0.005 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

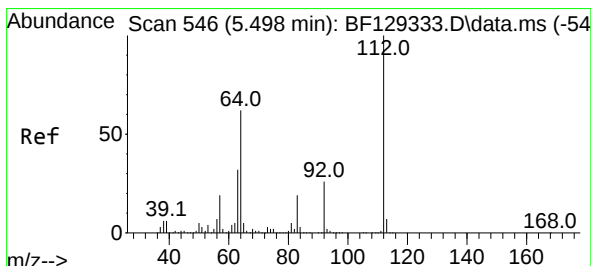
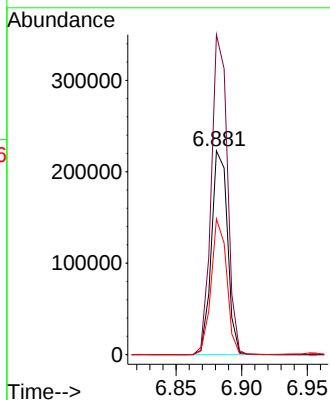
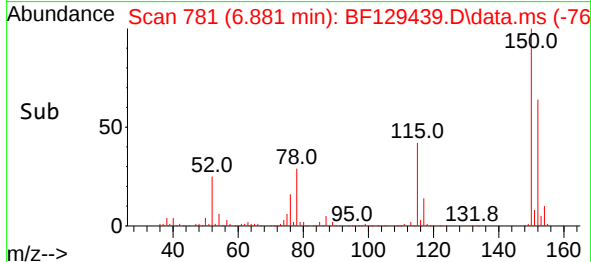
Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 191224
 Ion Ratio Lower Upper
 152 100
 150 157.0 123.7 185.5
 115 66.7 49.9 74.9

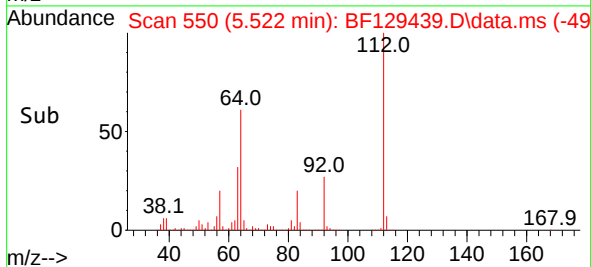
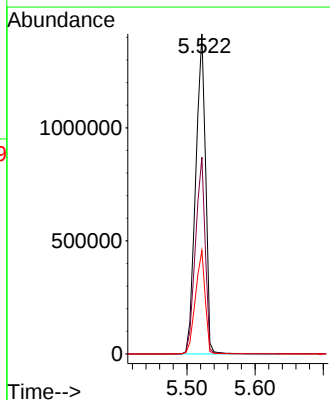
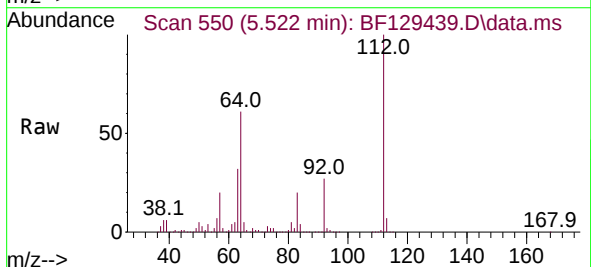
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#5
 2-Fluorophenol
 Concen: 121.888 ng
 RT: 5.522 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

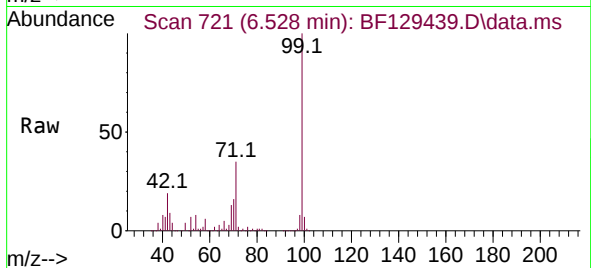
Tgt Ion:112 Resp: 1430811
 Ion Ratio Lower Upper
 112 100
 64 61.5 53.3 79.9
 63 32.3 28.0 42.0





#7
Phenol-d6
Concen: 125.846 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

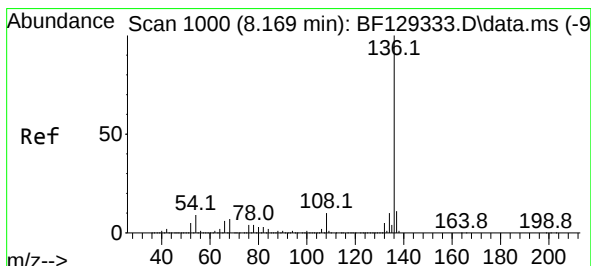
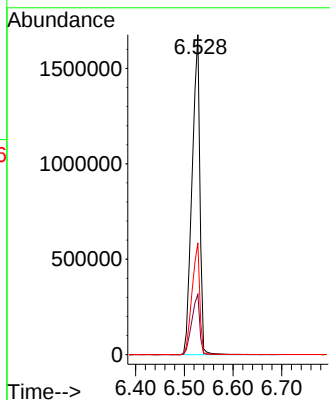
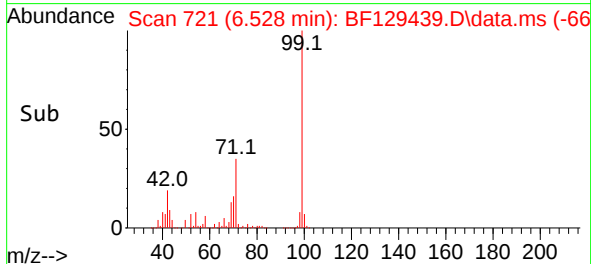
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A



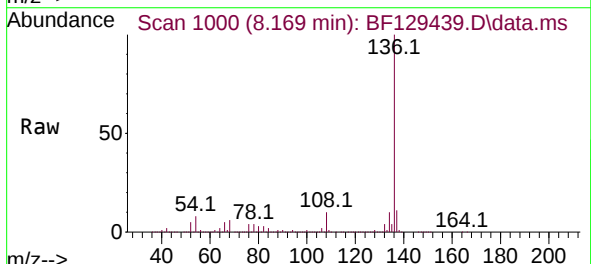
Tgt Ion: 99 Resp: 1856846
Ion Ratio Lower Upper
99 100
42 18.8 17.3 25.9
71 35.0 28.9 43.3

Manual Integrations
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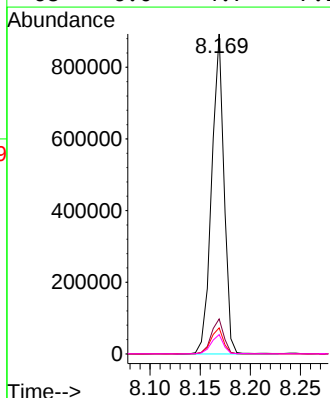
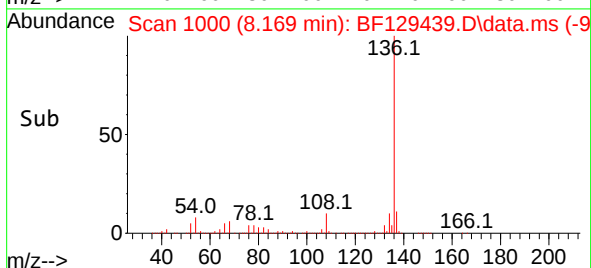
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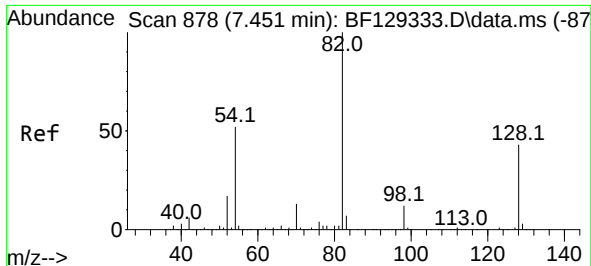


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29



Tgt Ion:136 Resp: 764050
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 7.5 11.3
68 6.0 4.7 7.1





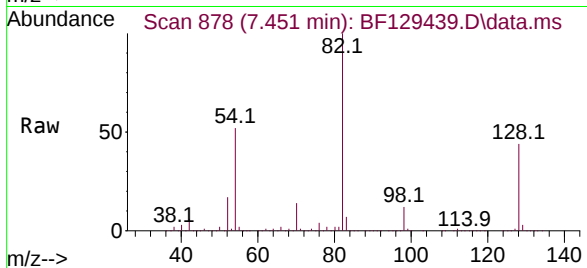
#23
Nitrobenzene-d5
Concen: 84.355 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

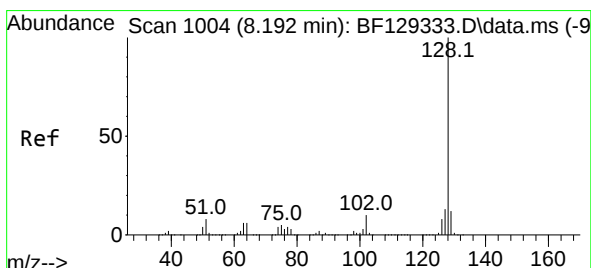
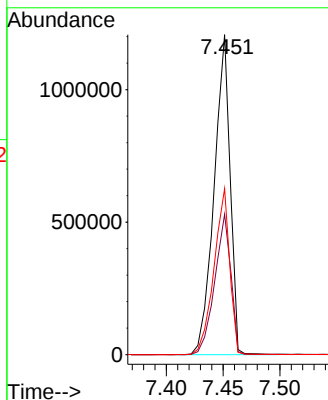
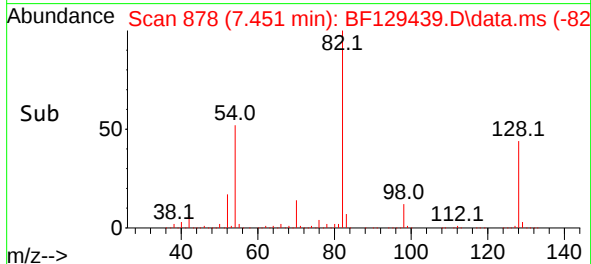


Tgt Ion: 82 Resp: 1180680
Ion Ratio Lower Upper
82 100
128 43.9 34.0 51.0
54 51.9 46.9 70.3

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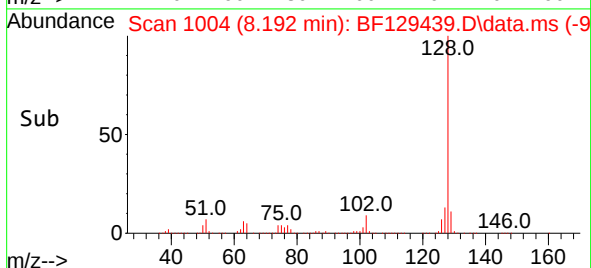
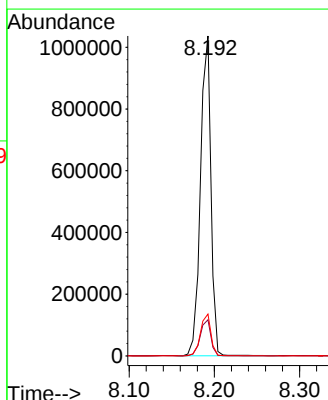
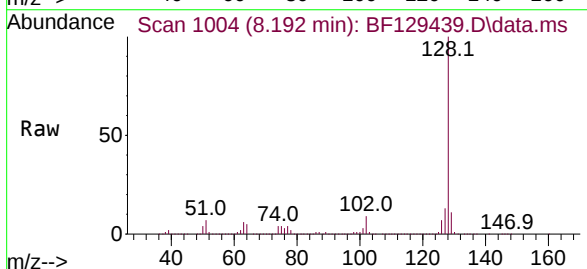
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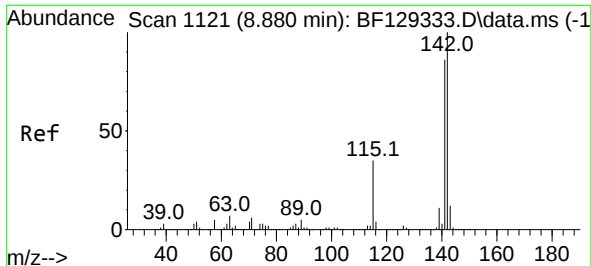
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#31
Naphthalene
Concen: 22.760 ng
RT: 8.192 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:128 Resp: 883507
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 4.693 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:142 Resp: 118385

Ion Ratio Lower Upper

142 100

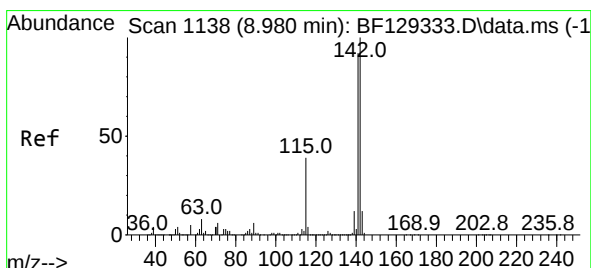
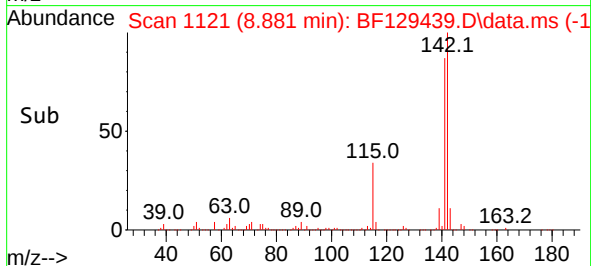
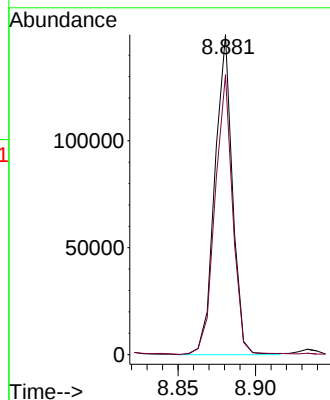
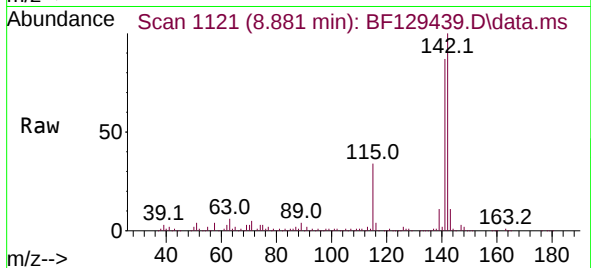
141 87.5 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/01/2022



#38

1-Methylnaphthalene

Concen: 13.640 ng

RT: 8.981 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF129439.D

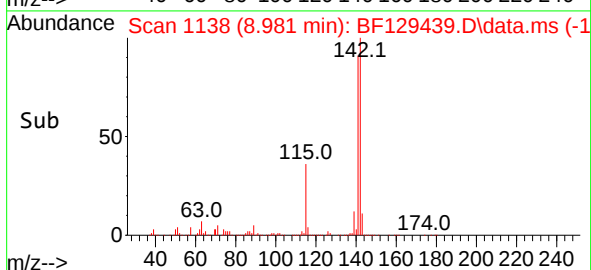
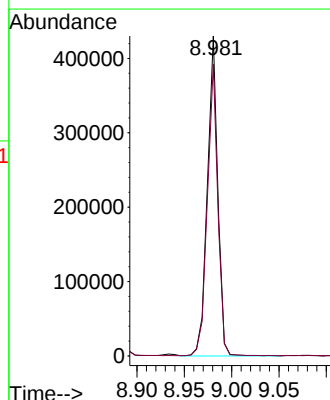
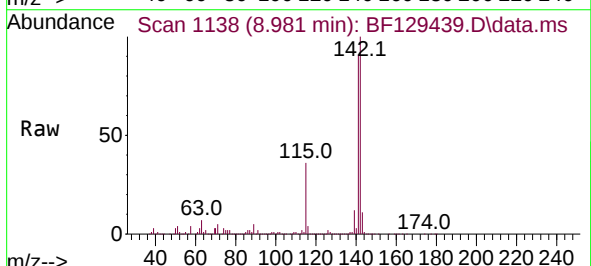
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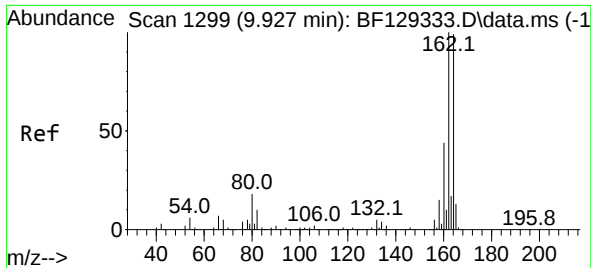
Tgt Ion:142 Resp: 332167

Ion Ratio Lower Upper

142 100

141 91.2 74.2 111.4





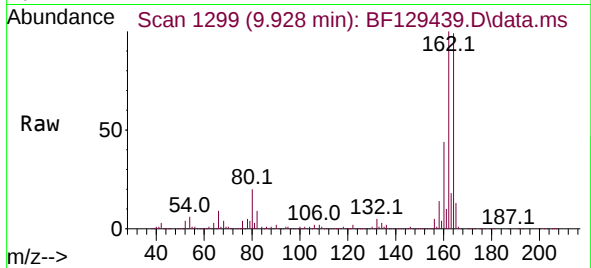
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

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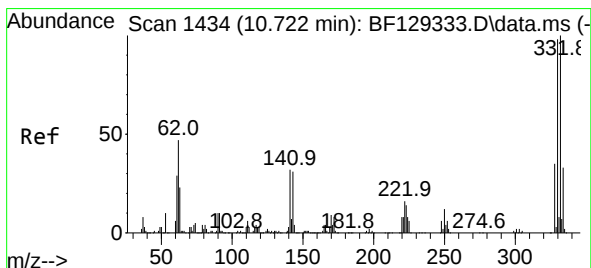
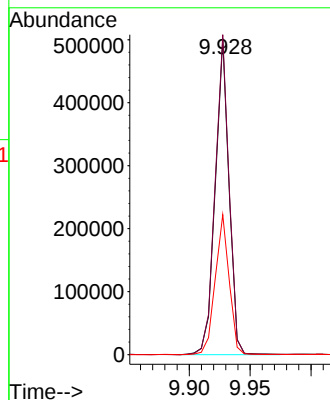
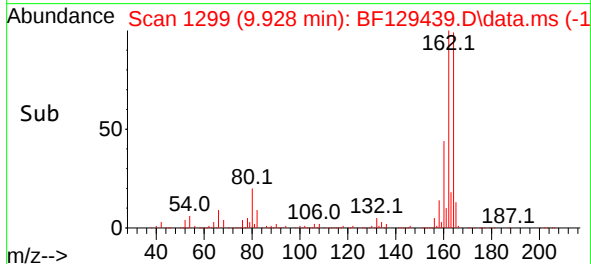


Tgt Ion:164 Resp: 394213
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.3 34.2 51.4

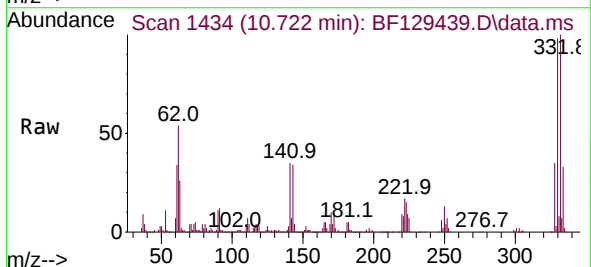
Manual Integrations

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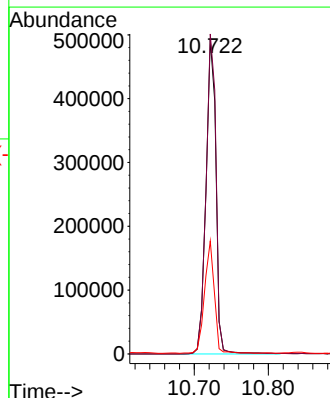
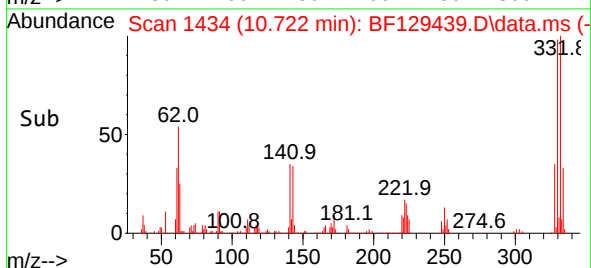
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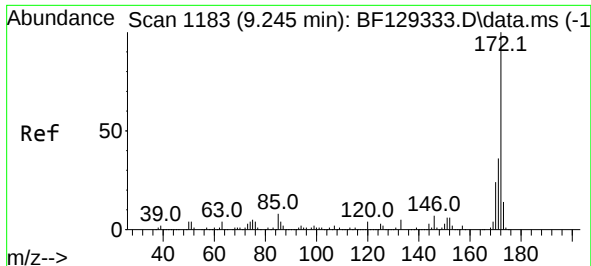


#42
2,4,6-Tribromophenol
Concen: 121.015 ng
RT: 10.722 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29



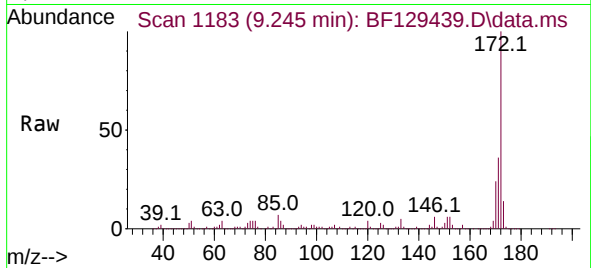
Tgt Ion:330 Resp: 458654
Ion Ratio Lower Upper
330 100
332 102.1 76.8 115.2
141 35.1 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 73.916 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

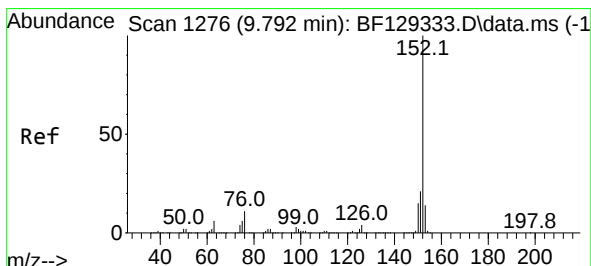
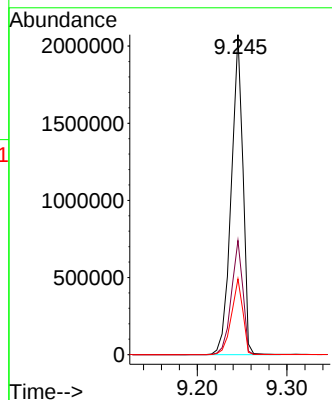
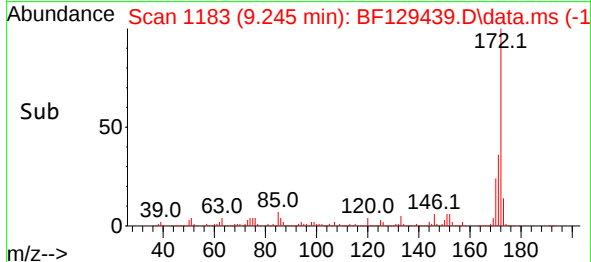
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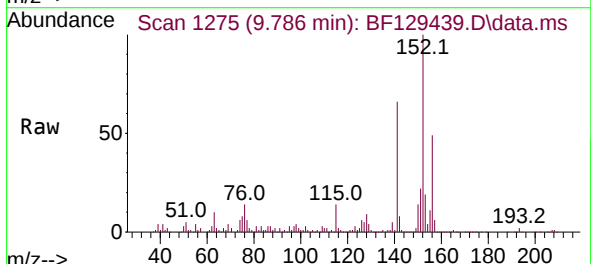
Tgt Ion:172 Resp: 1883624
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.7 19.8 29.8

Manual Integrations
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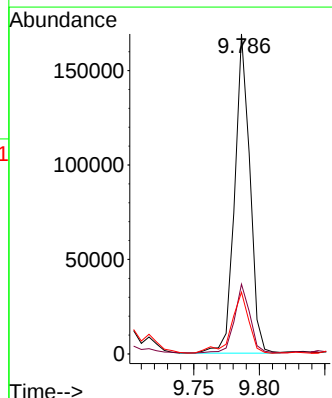
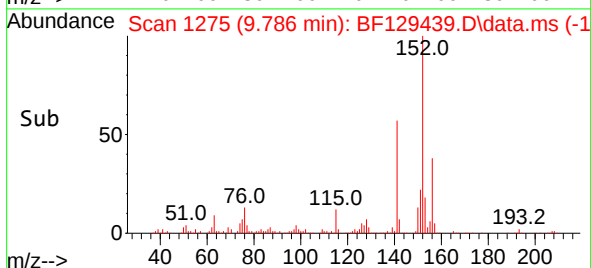
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

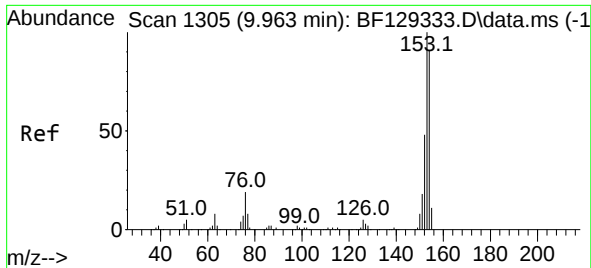


#49
Acenaphthylene
Concen: 3.865 ng
RT: 9.786 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29



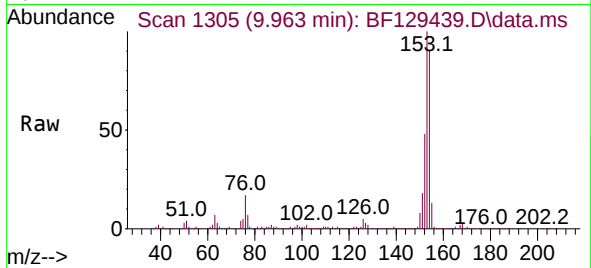
Tgt Ion:152 Resp: 136571
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.4
153 19.3 10.7 16.1





#52
Acenaphthene
Concen: 15.994 ng
RT: 9.963 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

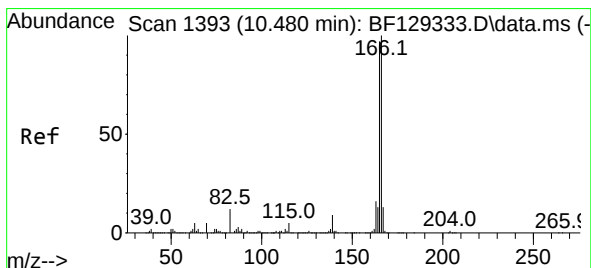
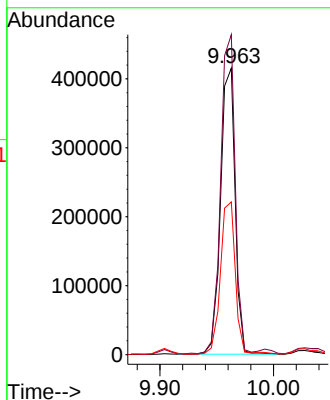
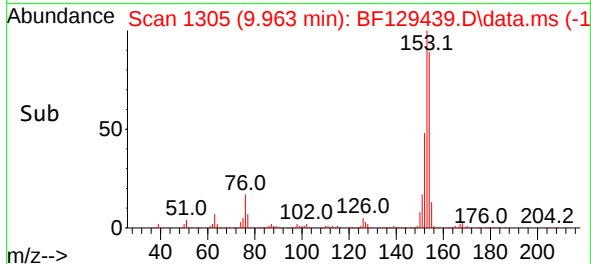
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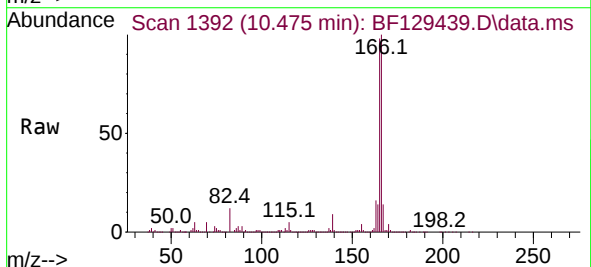
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Ion Ratio Lower Upper
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153 111.7 89.6 134.4
152 53.3 42.4 63.6

Manual Integrations
APPROVED

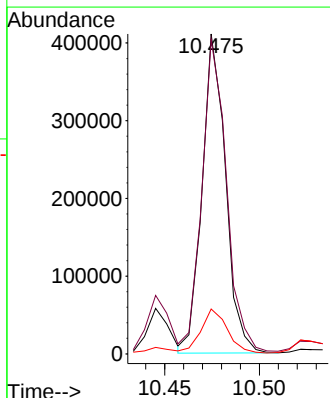
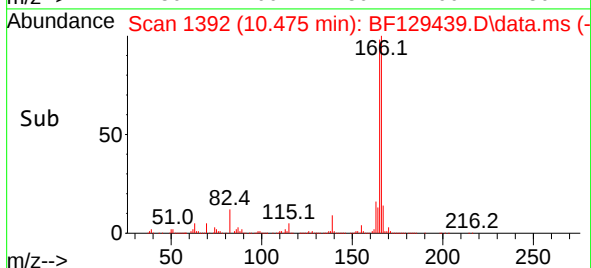
Reviewed By :Christian Giraldo 08/01/2022
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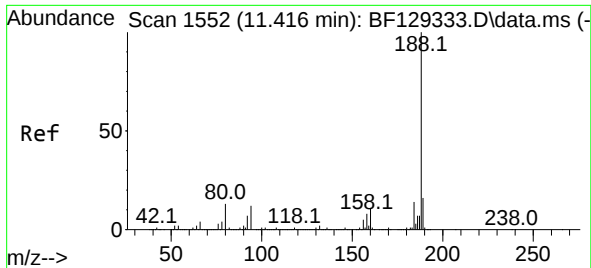


#58
Fluorene
Concen: 13.857 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29



Tgt Ion:166 Resp: 352793
Ion Ratio Lower Upper
166 100
165 98.4 78.1 117.1
167 14.0 10.5 15.7





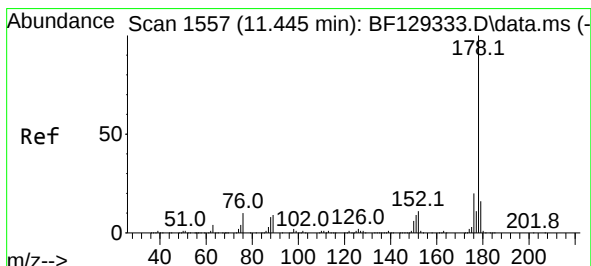
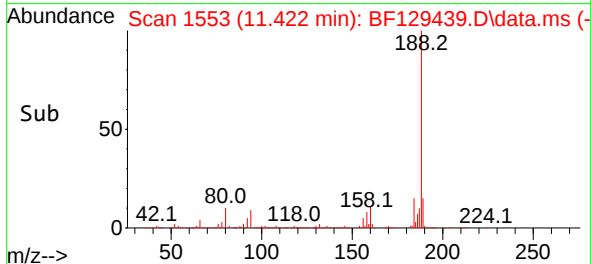
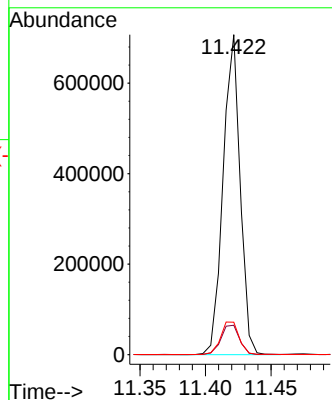
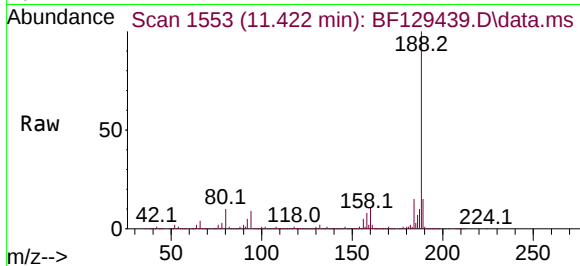
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion:188 Resp: 639616
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 10.2 7.6 11.4

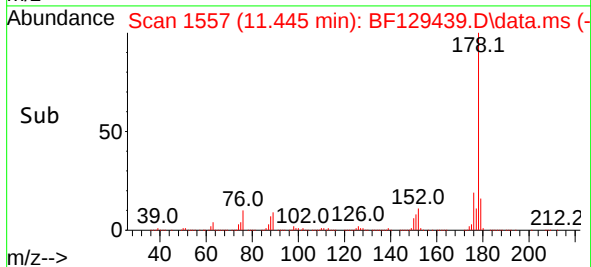
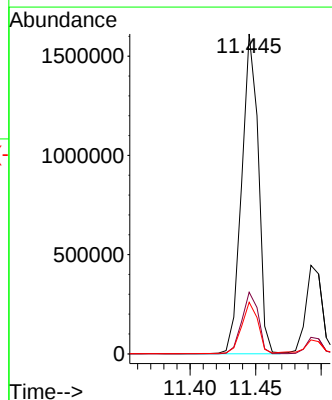
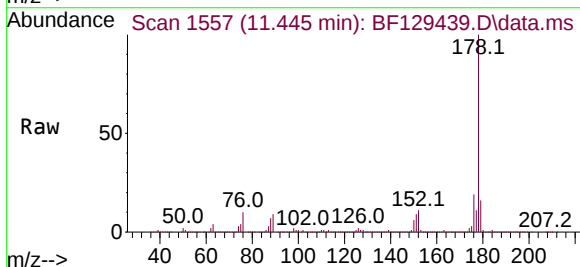
Manual Integrations
APPROVED

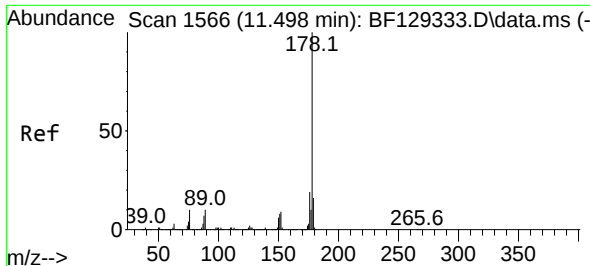
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#71
Phenanthrene
Concen: 40.583 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

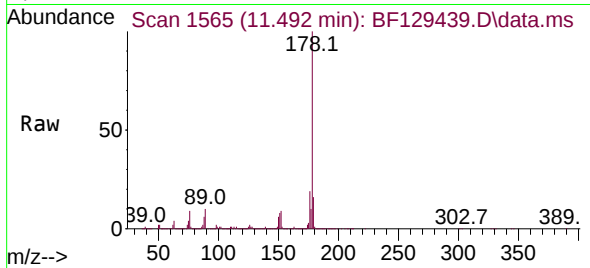
Tgt Ion:178 Resp: 1416959
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.1 12.6 19.0





#72
 Anthracene
 Concen: 10.906 ng
 RT: 11.492 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

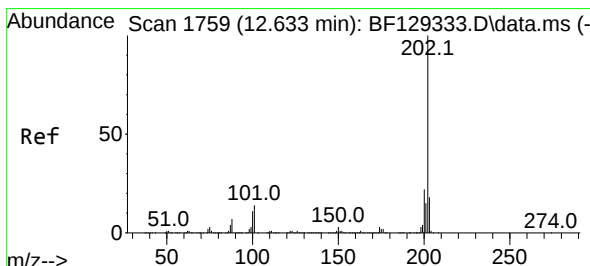
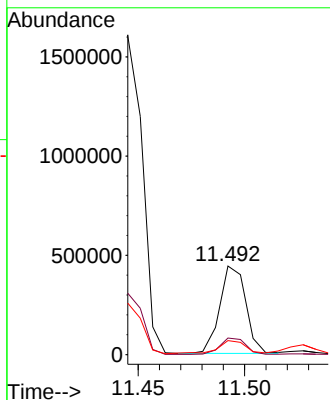
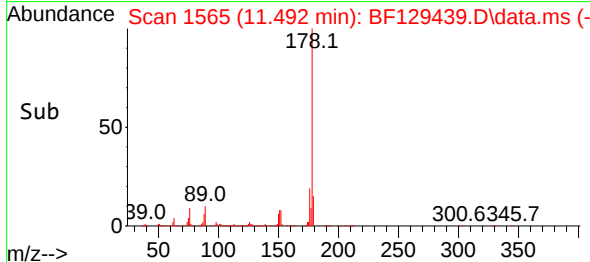
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A



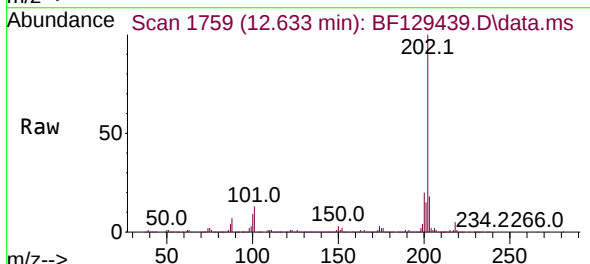
Tgt Ion:178 Resp: 37418
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.8 12.6 19.0

Manual Integrations
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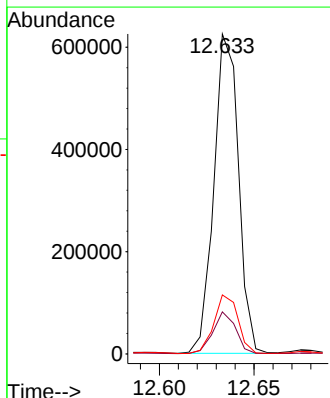
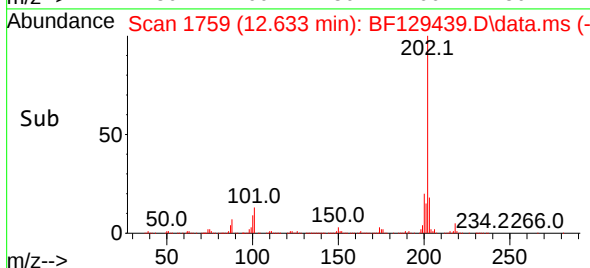
Reviewed By :Christian Giraldo 08/01/2022
 Supervised By :Jagrut Upadhyay 08/01/2022

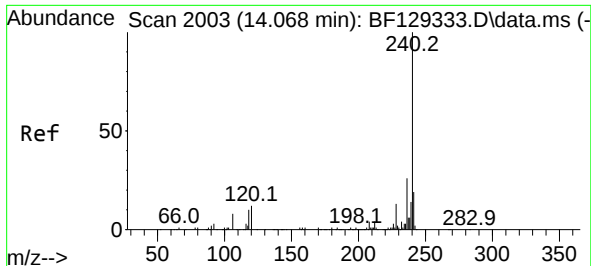


#75
 Fluoranthene
 Concen: 15.967 ng
 RT: 12.633 min Scan# 1759
 Delta R.T. 0.000 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29



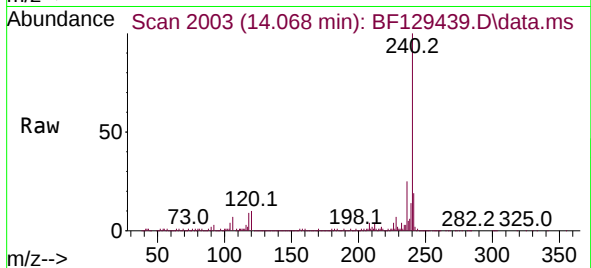
Tgt Ion:202 Resp: 564848
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 31.4
 203 18.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

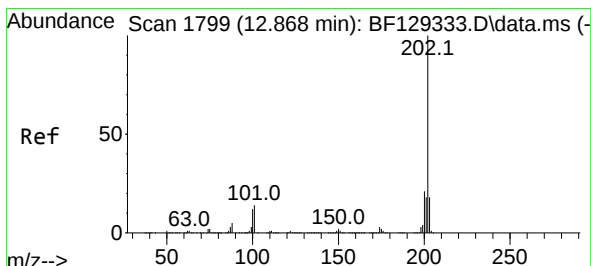
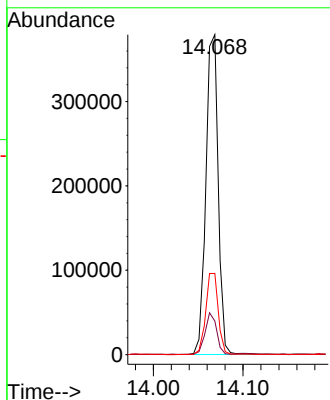
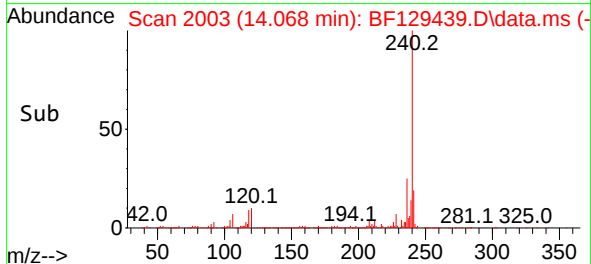
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A



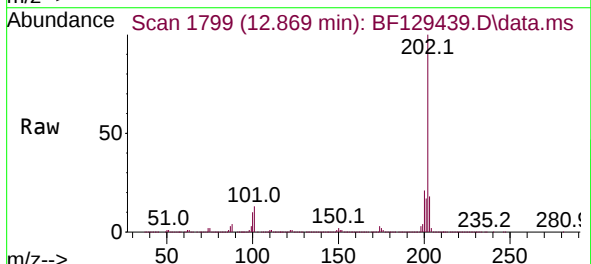
Tgt Ion:240 Resp: 362832
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.4 20.8 31.2

Manual Integrations
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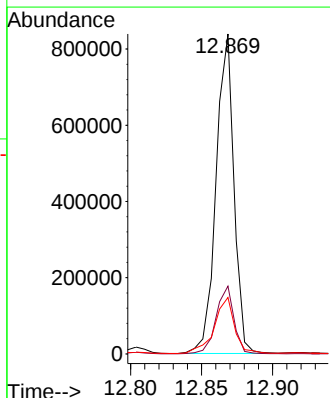
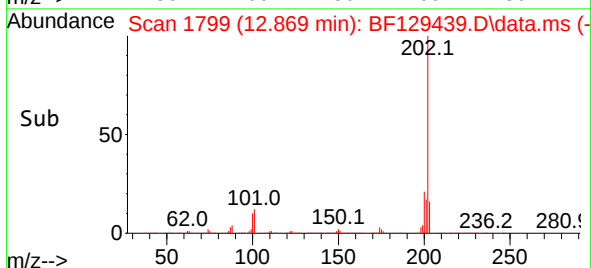
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022

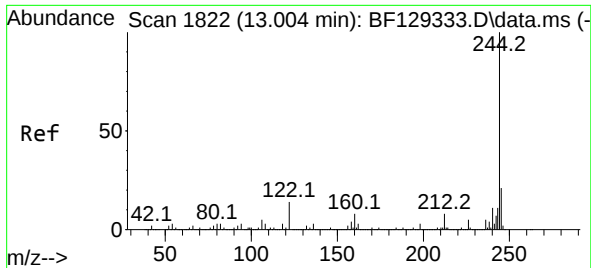


#78
Pyrene
Concen: 24.297 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29



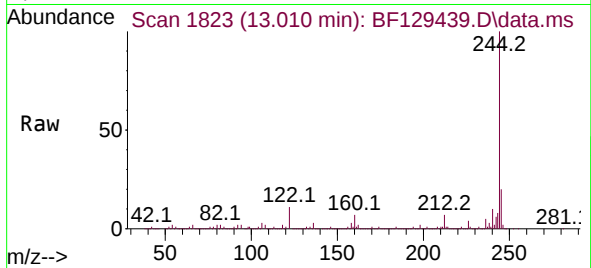
Tgt Ion:202 Resp: 737203
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.6 14.6 21.8





#79
Terphenyl-d14
Concen: 82.459 ng
RT: 13.010 min Scan# 1822
Delta R.T. 0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

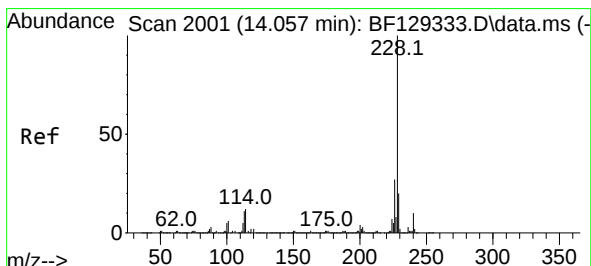
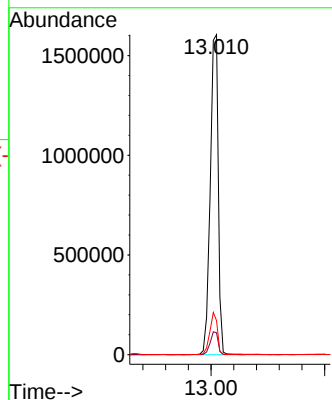
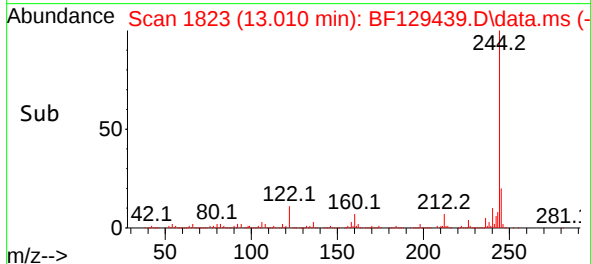
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A



Tgt Ion:244 Resp: 1585876
Ion Ratio Lower Upper
244 100
212 6.8 6.1 9.1
122 10.6 8.8 13.2

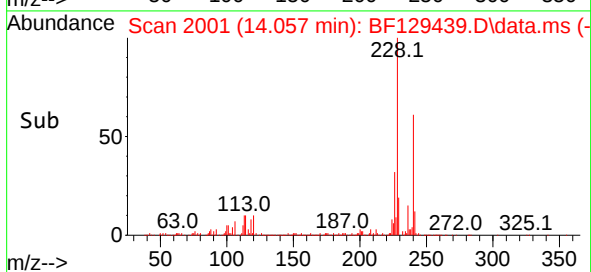
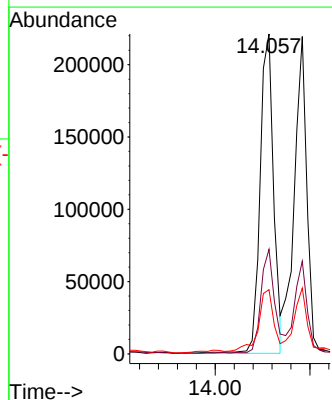
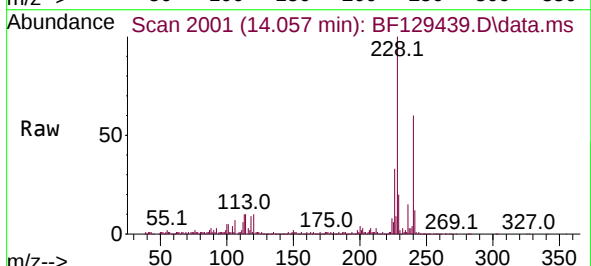
Manual Integrations
APPROVED

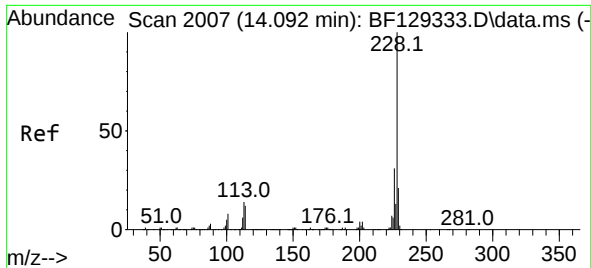
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#81
Benzo(a)anthracene
Concen: 8.832 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

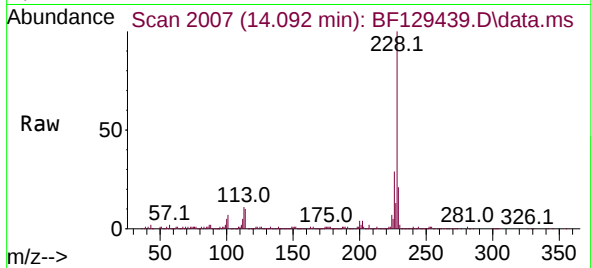
Tgt Ion:228 Resp: 218908
Ion Ratio Lower Upper
228 100
226 32.7 22.1 33.1
229 20.1 15.8 23.8





#83
Chrysene
Concen: 8.734 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

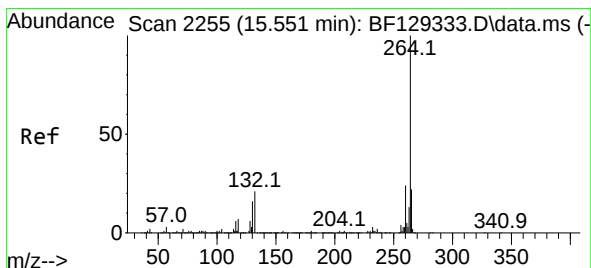
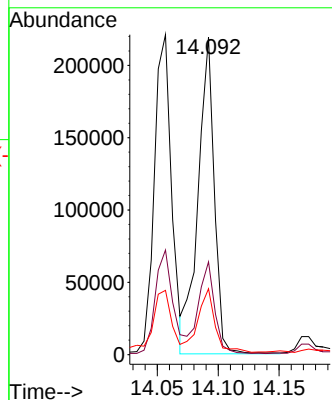
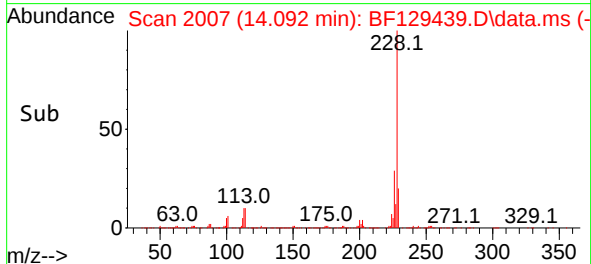
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A



Tgt Ion:228 Resp: 204015
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 20.8 15.9 23.9

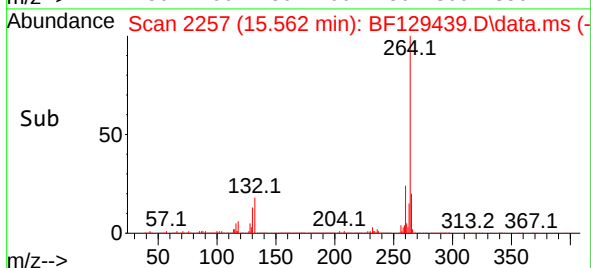
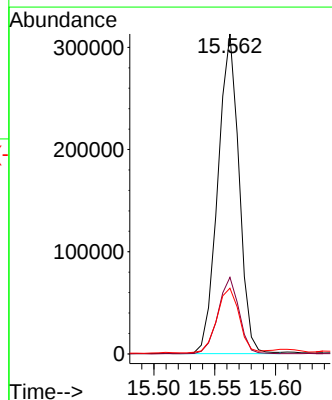
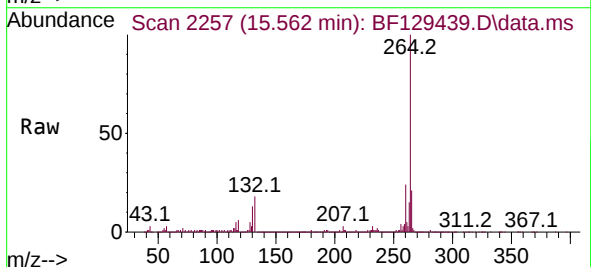
Manual Integrations
APPROVED

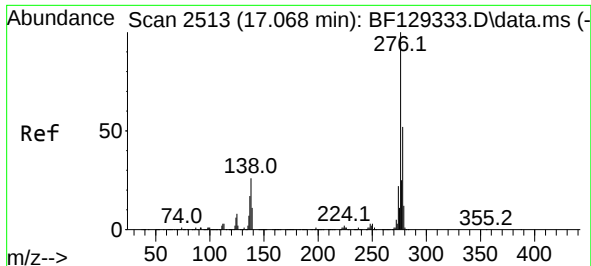
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:264 Resp: 377007
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 20.5 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.439 ng
RT: 17.074 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

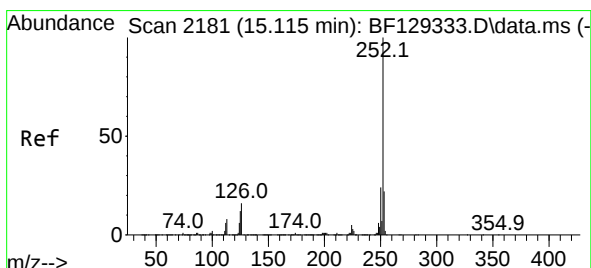
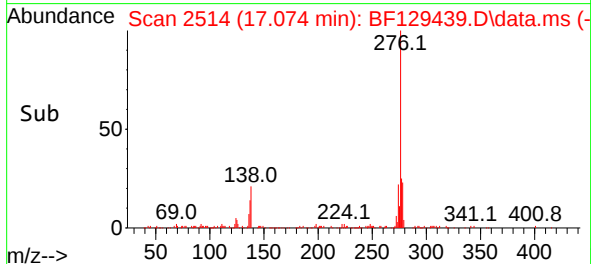
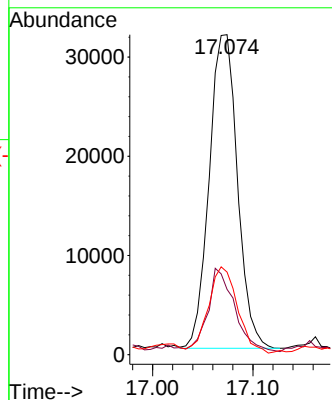
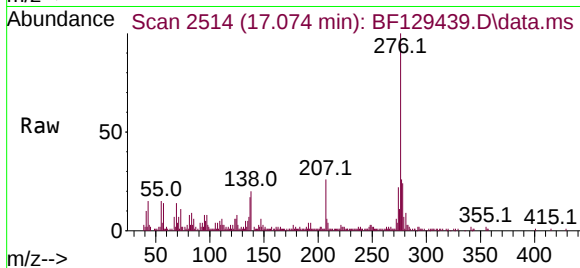
ClientSampleId :

HMGP-SOIL-A

Tgt Ion:276 Resp: 61921
Ion Ratio Lower Upper
276 100
138 25.1 21.1 31.7
277 27.5 20.3 30.5

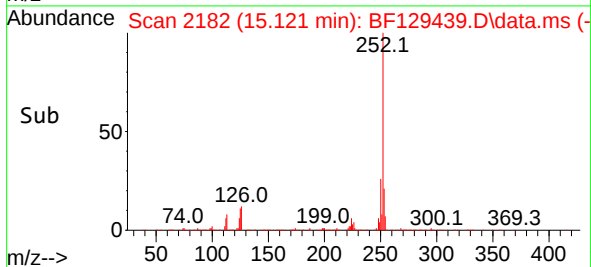
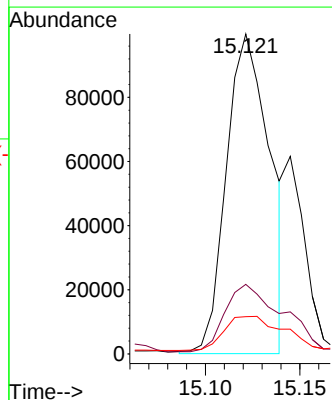
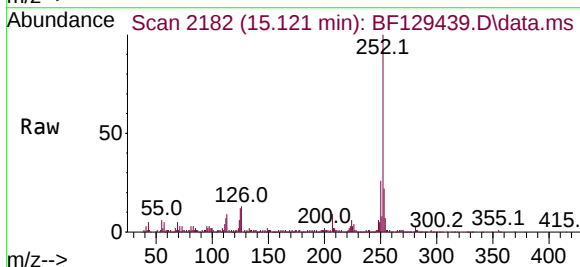
Manual Integrations
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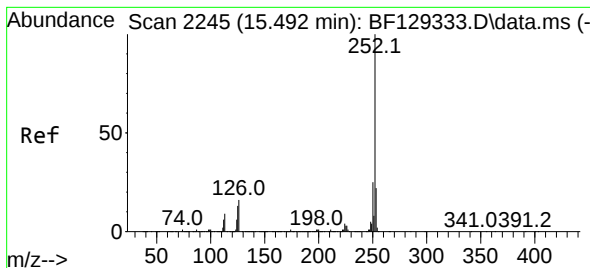
Reviewed By :Christian Giraldo 08/01/2022
Supervised By :Jagrut Upadhyay 08/01/2022



#88
Benzo(b)fluoranthene
Concen: 6.413 ng m
RT: 15.121 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:252 Resp: 160384
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 11.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 6.710 ng

RT: 15.498 min Scan# 2245

Delta R.T. 0.006 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

Tgt Ion:252 Resp: 136210

Ion Ratio Lower Upper

252 100

253 21.5 17.0 25.6

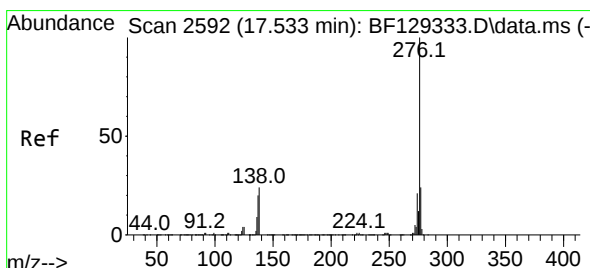
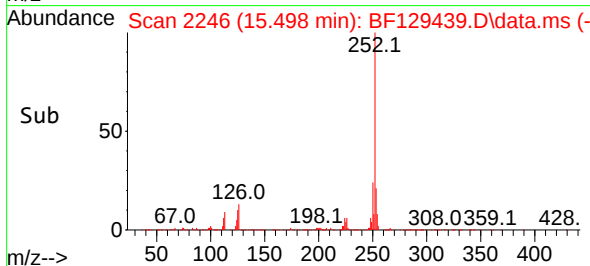
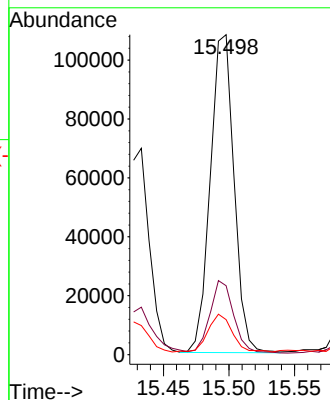
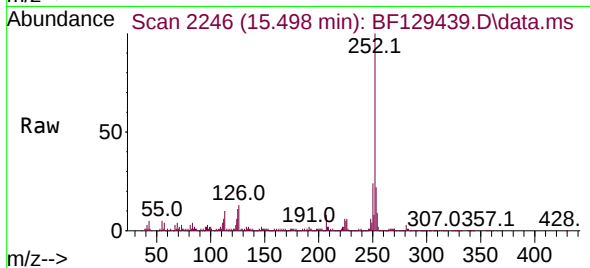
125 10.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/01/2022

Supervised By :Jagrut Upadhyay 08/01/2022



#92

Benzo(g,h,i)perylene

Concen: 2.770 ng

RT: 17.533 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Tgt Ion:276 Resp: 58482

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 25.3 18.0 27.0

