

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
 Data File : BF128419.D
 Acq On : 24 May 2022 00:37
 Operator : CG\JU
 Sample : N2964-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051922

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/24/2022
 Supervised By : Jagrut Upadhyay 05/24/2022

Quant Time: May 24 01:24:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	116447	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	428211	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	222676	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	332856	20.000	ng	0.00
76) Chrysene-d12	14.039	240	234493	20.000	ng	-0.01
86) Perylene-d12	15.527	264	232948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	650040	88.835	ng	0.00
7) Phenol-d6	6.492	99	827766	85.908	ng	0.00
23) Nitrobenzene-d5	7.422	82	574093	60.069	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	166992	72.717	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	843508	61.947	ng	0.00
79) Terphenyl-d14	12.974	244	652261	53.696	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	90284	4.327	ng	98
37) 2-Methylnaphthalene	8.851	142	53757	3.929	ng	100
38) 1-Methylnaphthalene	8.951	142	45349	3.446	ng	97
50) Dimethylphthalate	9.610	163	41755	2.944	ng	100
52) Acenaphthene	9.928	154	27892	2.487	ng	98
58) Fluorene	10.445	166	46836	3.515	ng	98
71) Phenanthrene	11.410	178	220629	13.582	ng	98
72) Anthracene	11.463	178	63322	3.922	ng	99
75) Fluoranthene	12.604	202	177922	10.114	ng	99
78) Pyrene	12.833	202	156074	8.889	ng	97
81) Benzo(a)anthracene	14.027	228	70020	4.693	ng	98
83) Chrysene	14.063	228	58596	4.124	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	27884	2.097	ng	97
88) Benzo(b)fluoranthene	15.086	252	75563m	5.215	ng	
90) Benzo(a)pyrene	15.462	252	55502	4.771	ng	98
92) Benzo(g,h,i)perylene	17.498	276	27426	2.464	ng	94

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

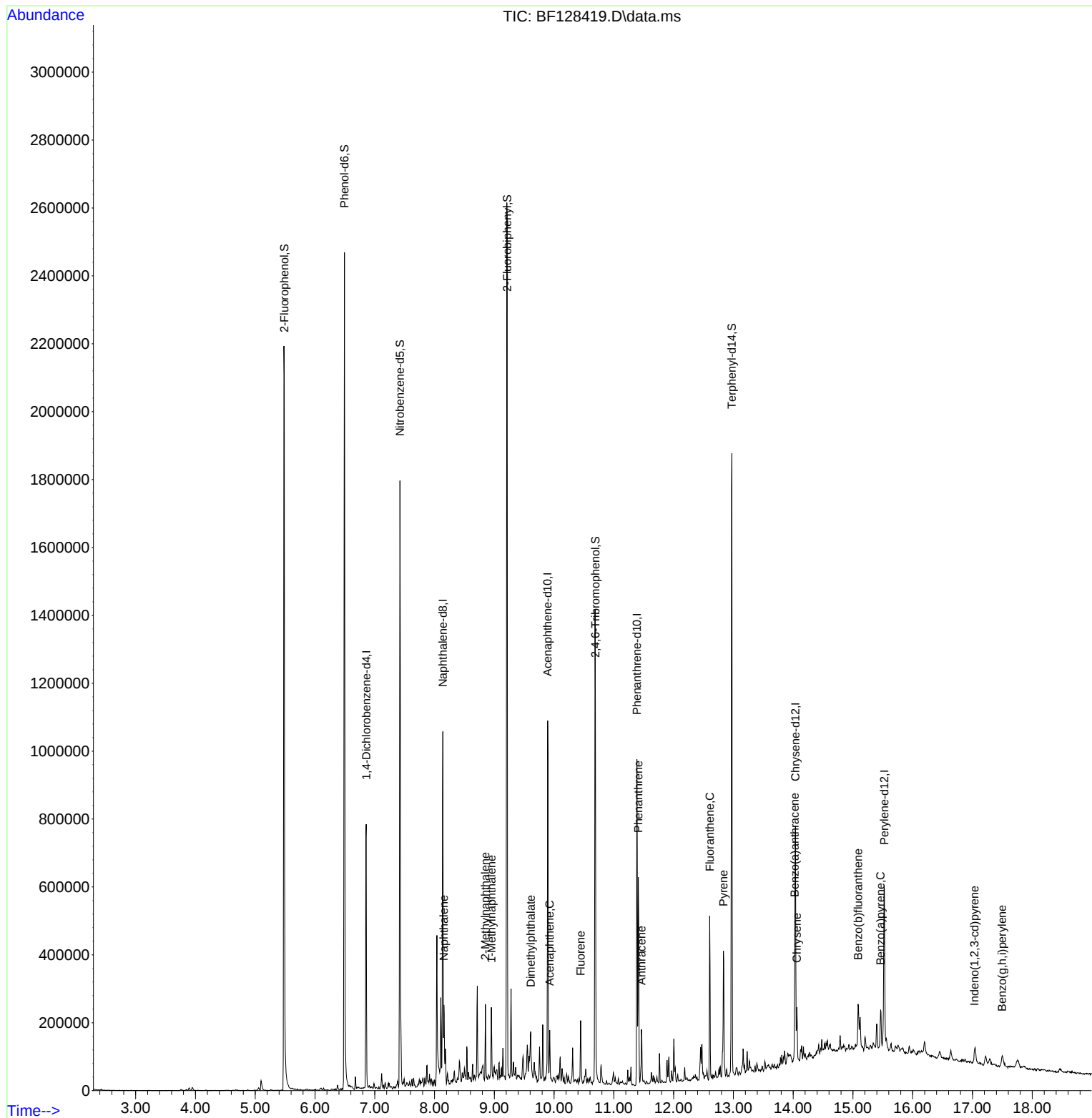
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
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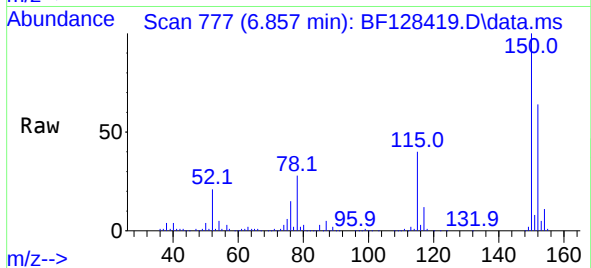
Reviewed By : Christian Giraldo 05/24/2022
Supervised By : Jagrut Upadhyay 05/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

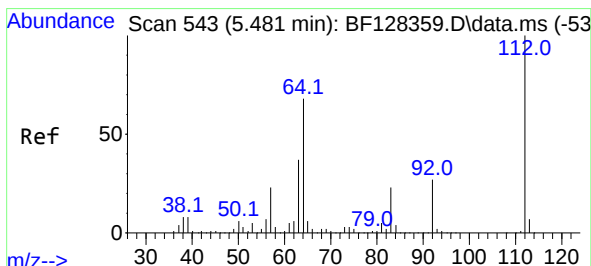
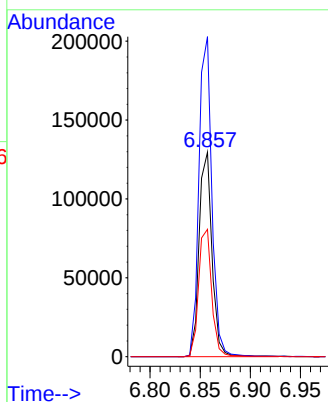
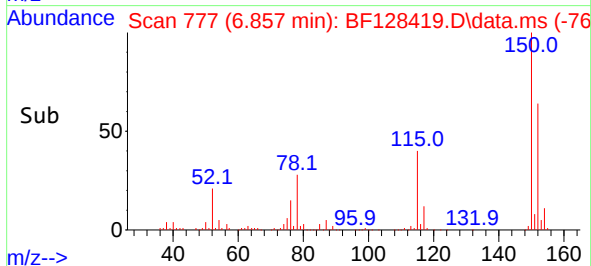
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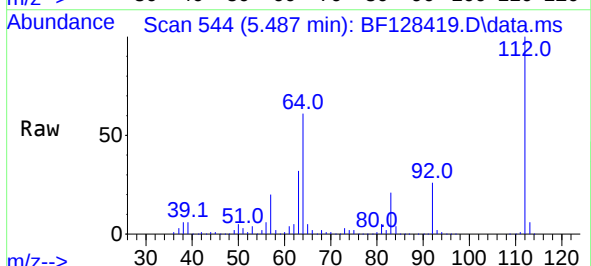
Tgt Ion:152 Resp: 11644
Ion Ratio Lower Upper
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150 156.5 125.3 187.9
115 62.3 48.8 73.2

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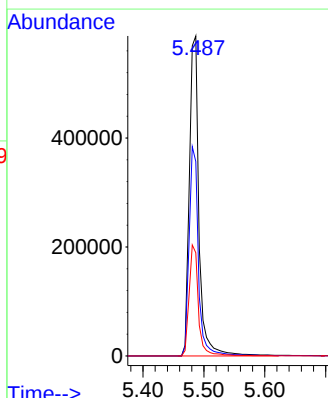
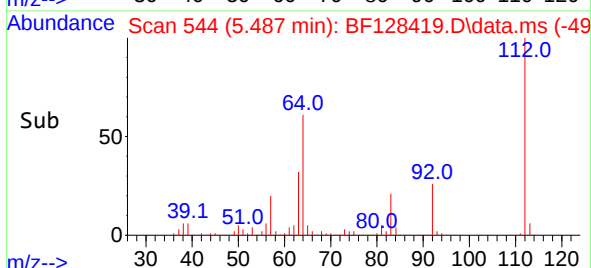
Reviewed By :Christian Giraldo 05/24/2022
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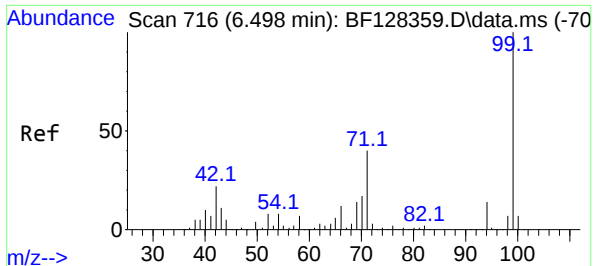


#5
2-Fluorophenol
Concen: 88.835 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



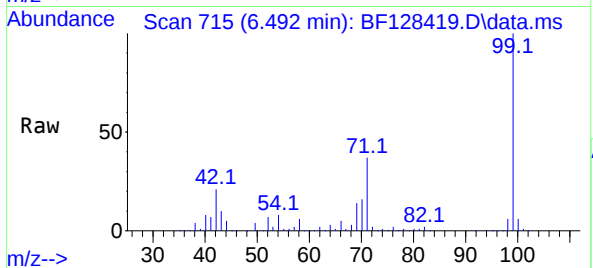
Tgt Ion:112 Resp: 650040
Ion Ratio Lower Upper
112 100
64 60.8 49.5 74.3
63 32.3 26.3 39.5





#7
Phenol-d6
Concen: 85.908 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

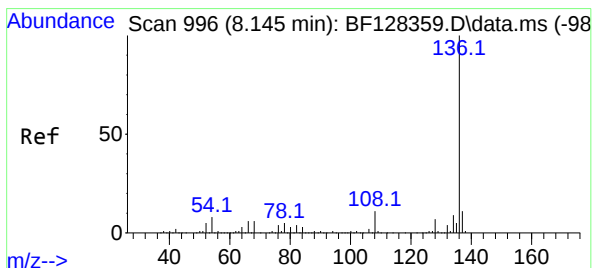
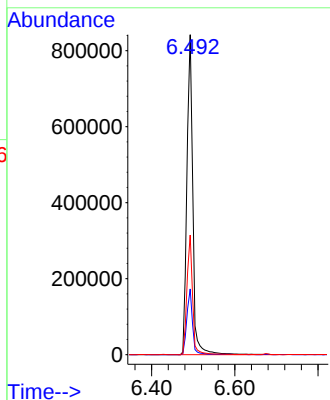
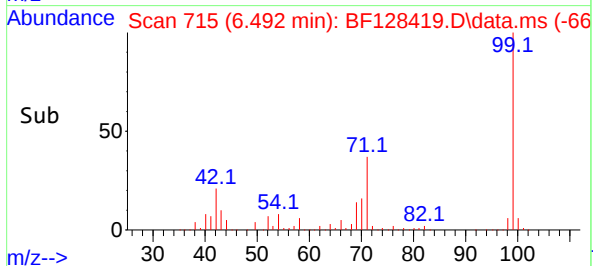
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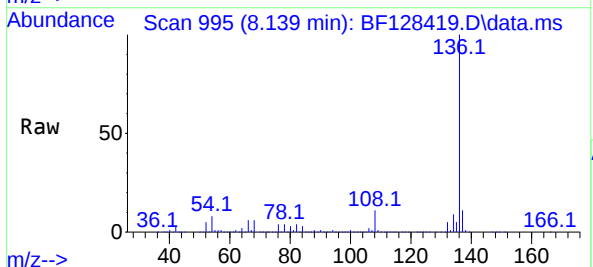
Tgt Ion: 99 Resp: 827760
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 37.4 30.0 45.0

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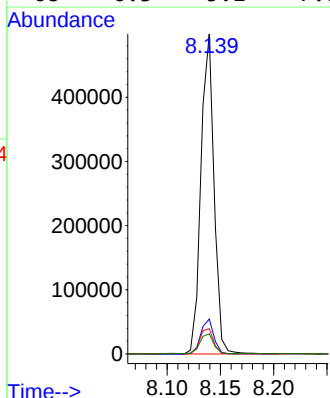
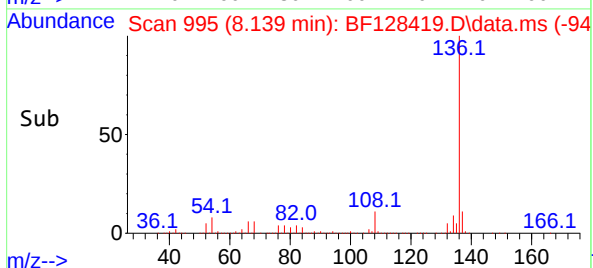
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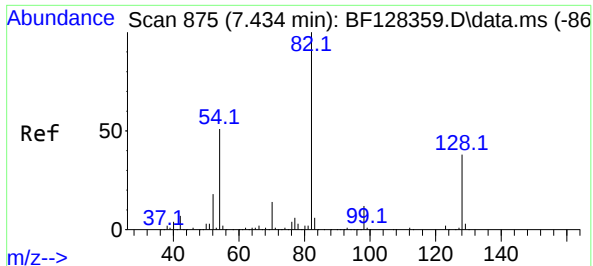


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



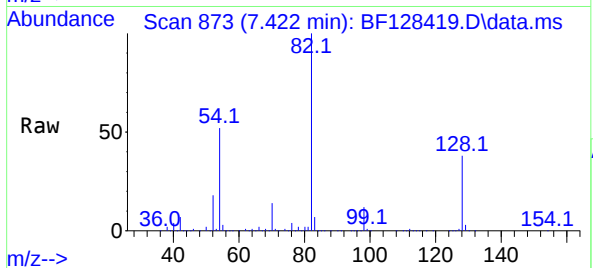
Tgt Ion:136 Resp: 428211
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.9 6.8 10.2
68 6.3 5.1 7.7





#23
Nitrobenzene-d5
Concen: 60.069 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

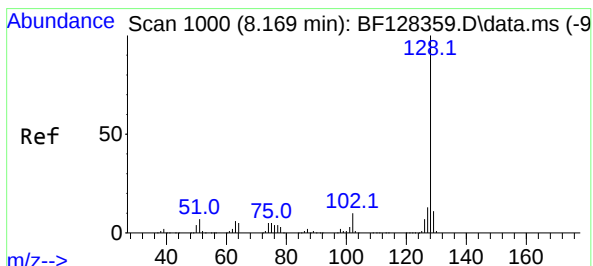
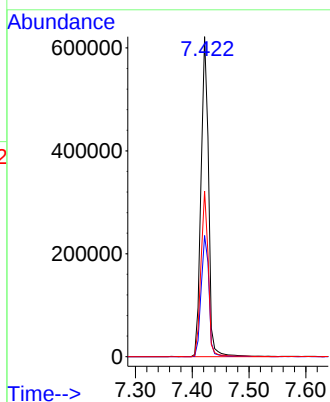
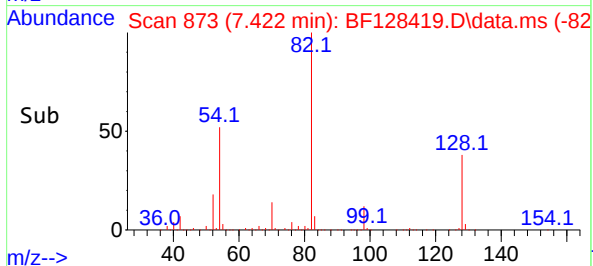
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Tgt Ion: 82 Resp: 57409
Ion Ratio Lower Upper
82 100
128 37.9 30.0 45.0
54 51.7 41.3 61.9

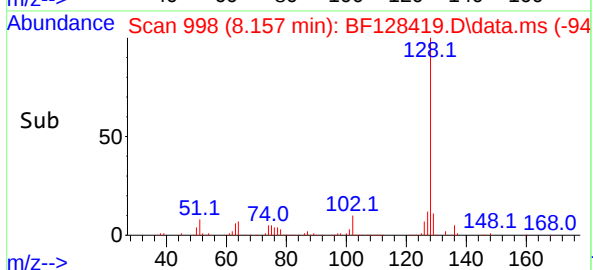
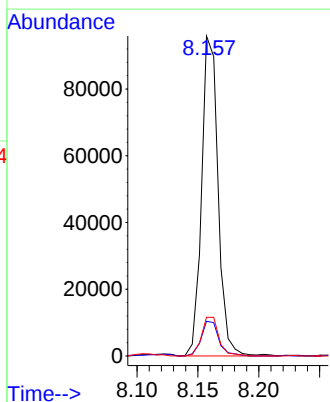
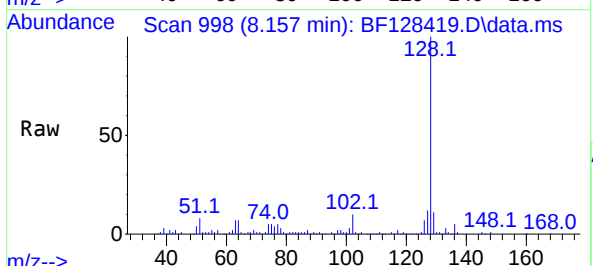
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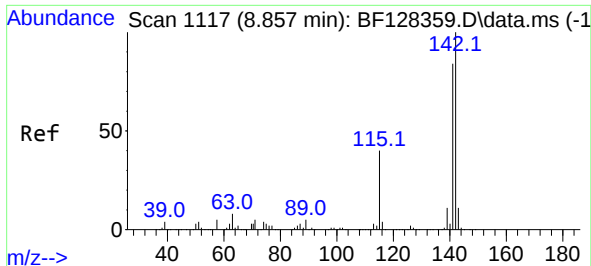
Reviewed By :Christian Giraldo 05/24/2022
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#31
Naphthalene
Concen: 4.327 ng
RT: 8.157 min Scan# 998
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

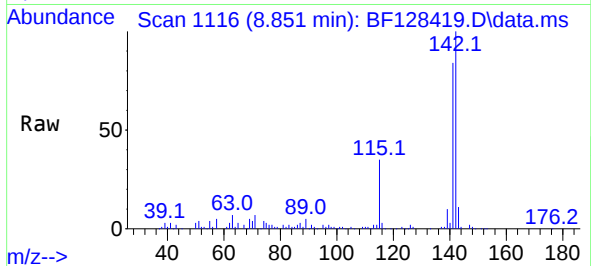
Tgt Ion:128 Resp: 90284
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.4
127 12.1 10.6 16.0





#37
2-Methylnaphthalene
Concen: 3.929 ng
RT: 8.851 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

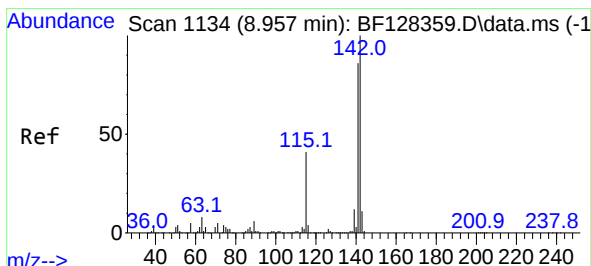
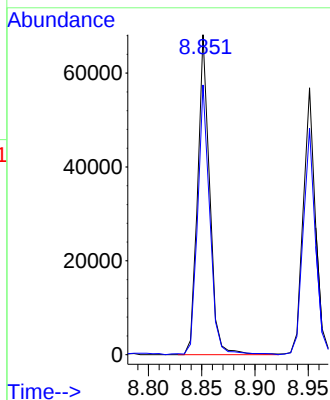
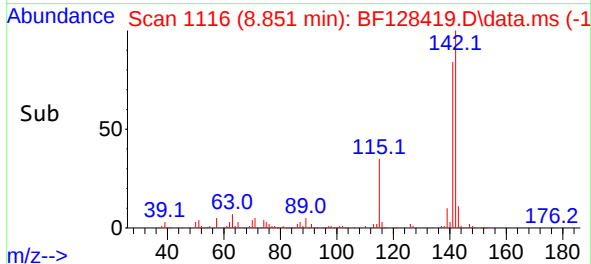
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EO-01-051922



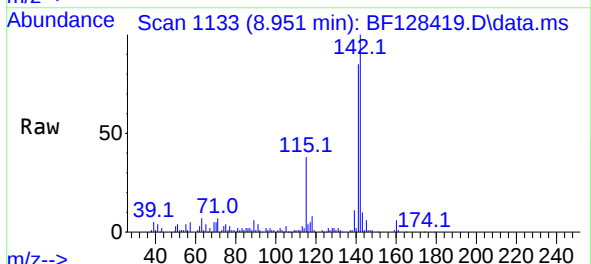
Tgt Ion:142 Resp: 5375
Ion Ratio Lower Upper
142 100
141 84.3 67.4 101.2

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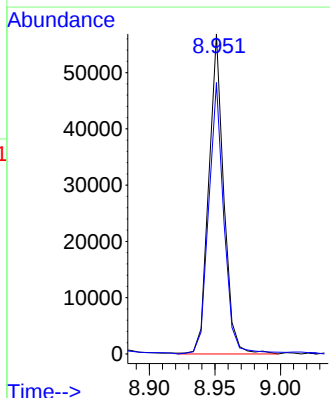
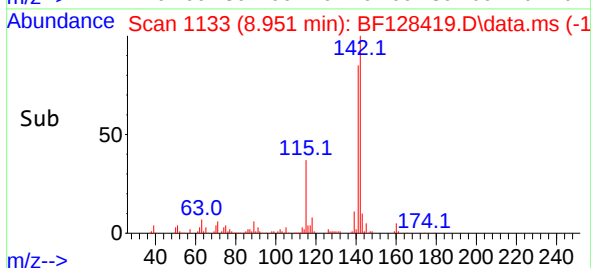
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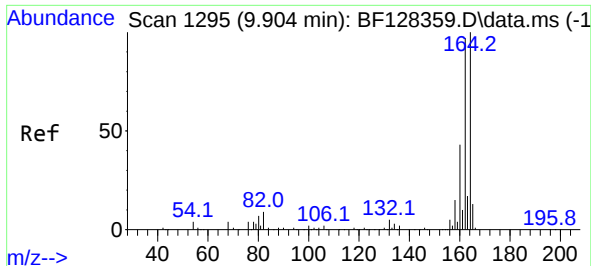


#38
1-Methylnaphthalene
Concen: 3.446 ng
RT: 8.951 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



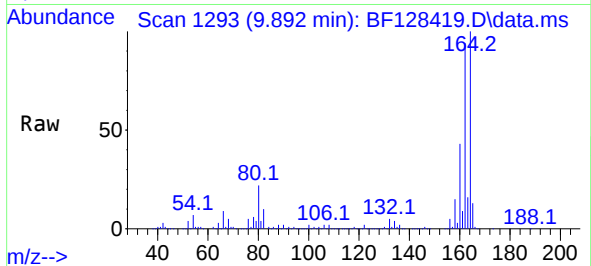
Tgt Ion:142 Resp: 45349
Ion Ratio Lower Upper
142 100
141 84.8 70.1 105.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

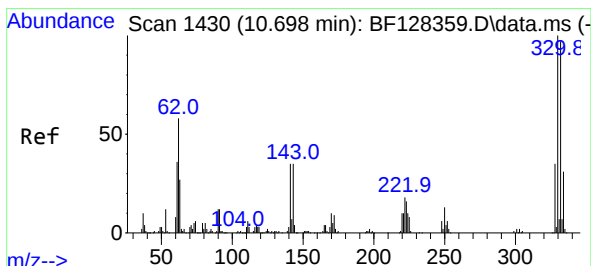
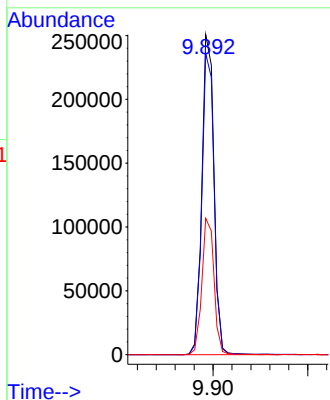
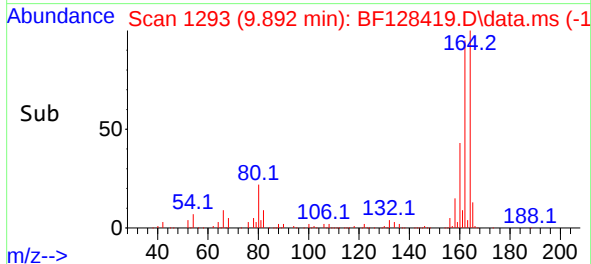
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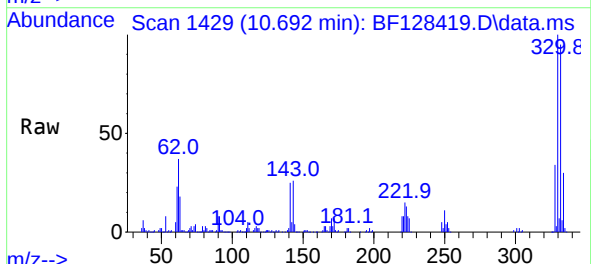
Tgt Ion:164 Resp: 222670
Ion Ratio Lower Upper
164 100
162 94.1 76.0 114.0
160 42.6 34.8 52.2

Manual Integrations
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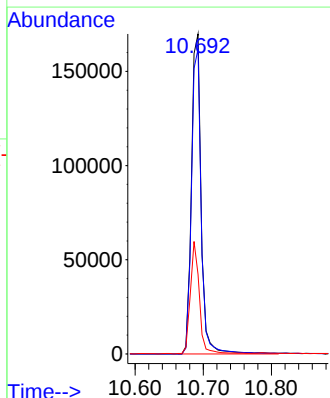
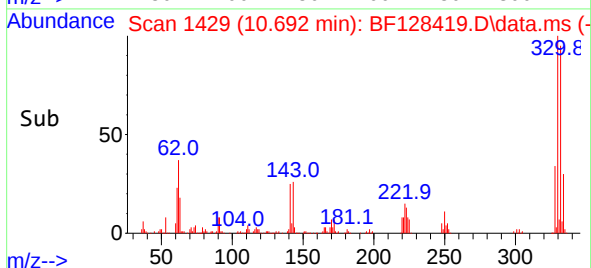
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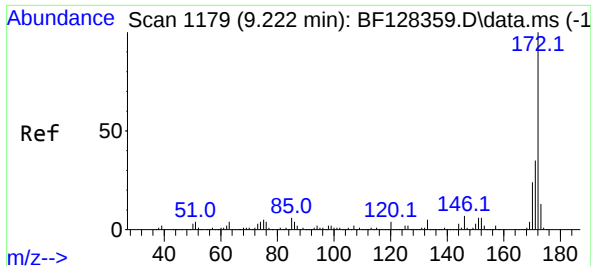


#42
2,4,6-Tribromophenol
Concen: 72.717 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



Tgt Ion:330 Resp: 166992
Ion Ratio Lower Upper
330 100
332 95.8 79.0 118.4
141 32.8 28.9 43.3





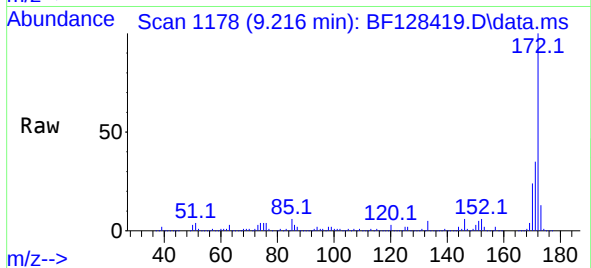
#45
2-Fluorobiphenyl
Concen: 61.947 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

EO-01-051922

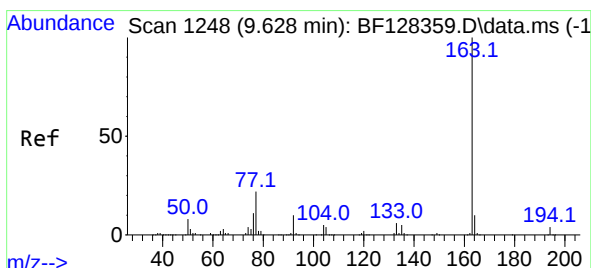
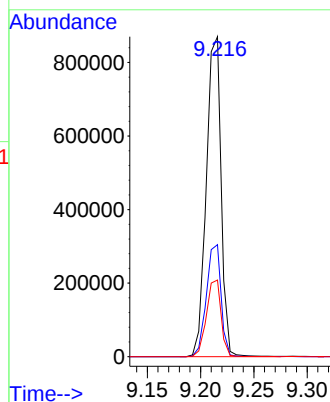
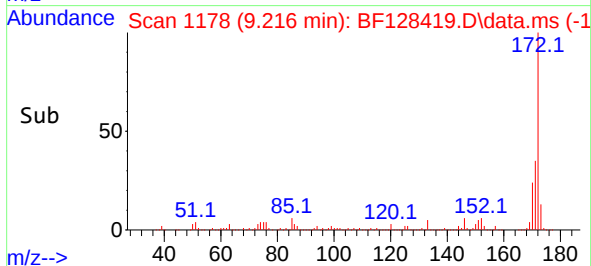


Tgt Ion:172 Resp: 843508
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 24.0 19.1 28.7

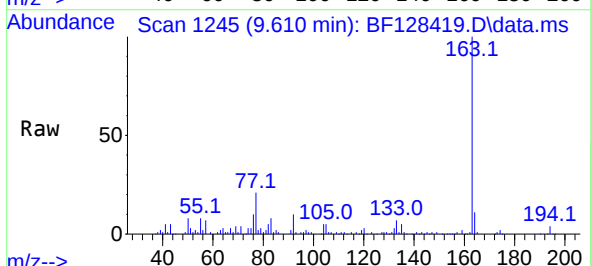
Manual Integrations

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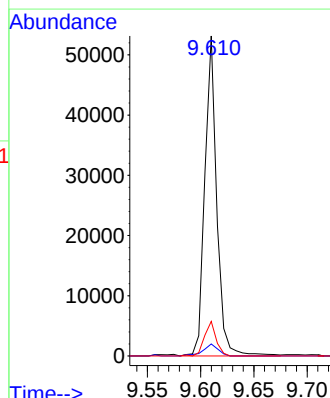
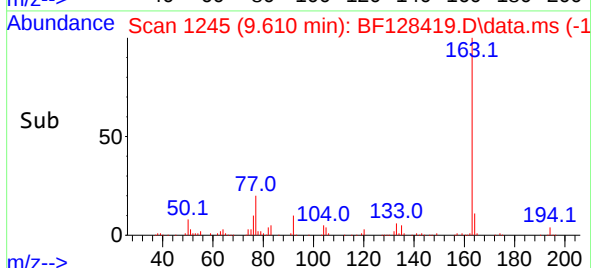
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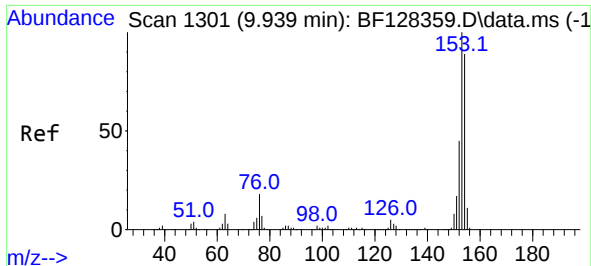


#50
Dimethylphthalate
Concen: 2.944 ng
RT: 9.610 min Scan# 1245
Delta R.T. -0.018 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



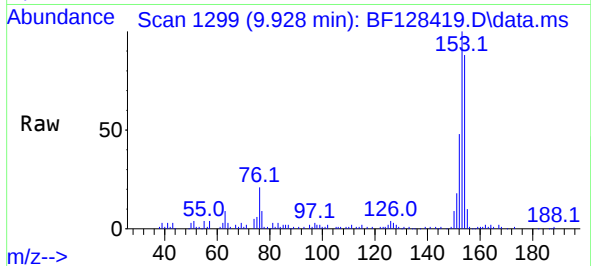
Tgt Ion:163 Resp: 41755
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.8 8.6 13.0





#52
Acenaphthene
Concen: 2.487 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

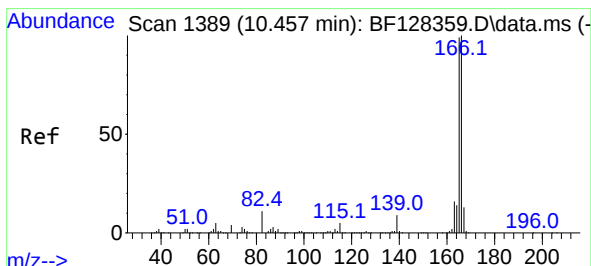
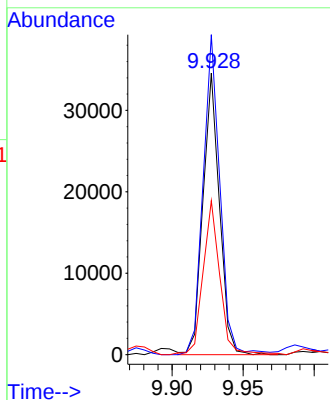
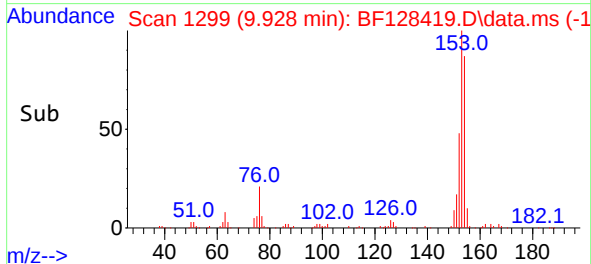
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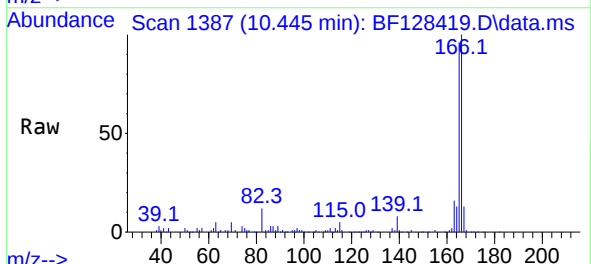
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Ion Ratio Lower Upper
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153 113.7 90.5 135.7
152 54.7 41.0 61.6

Manual Integrations
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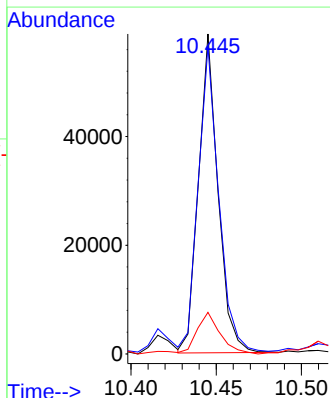
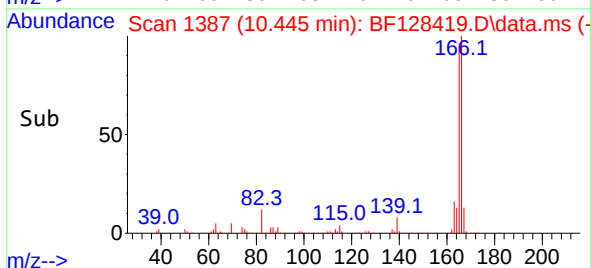
Reviewed By :Christian Giraldo 05/24/2022
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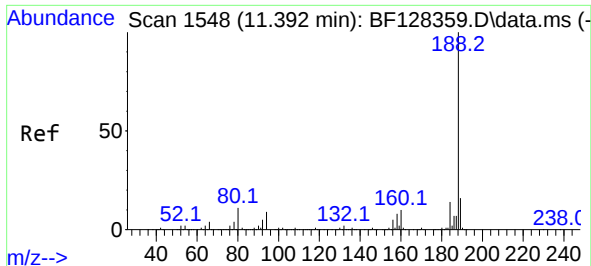


#58
Fluorene
Concen: 3.515 ng
RT: 10.445 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



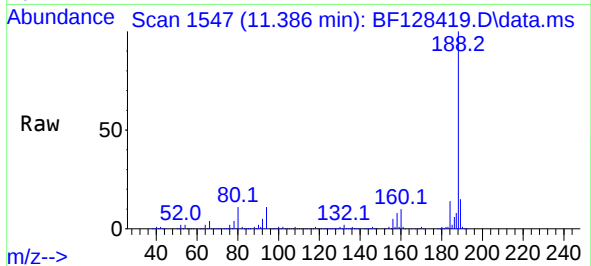
Tgt Ion:166 Resp: 46836
Ion Ratio Lower Upper
166 100
165 96.2 78.6 117.8
167 13.0 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

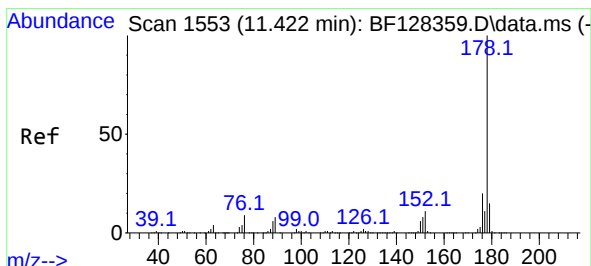
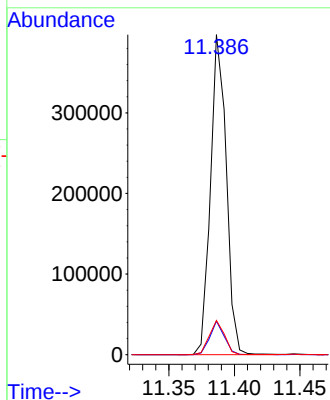
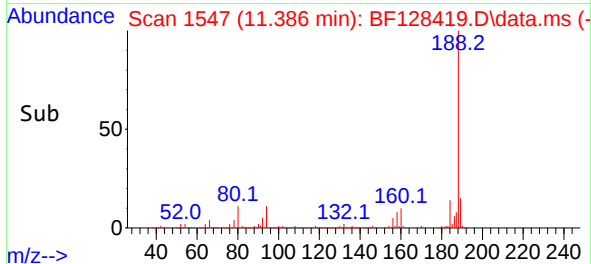
Instrument :
BNA_F
ClientSampleId :
EO-01-051922



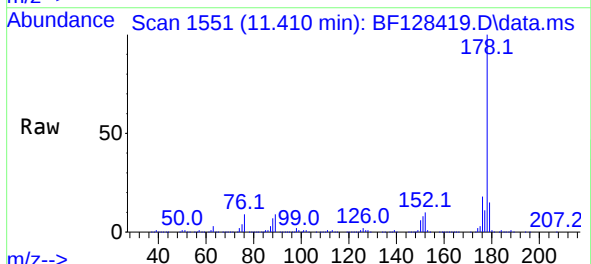
Tgt Ion:188 Resp: 332850
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 10.7 8.9 13.3

Manual Integrations
APPROVED

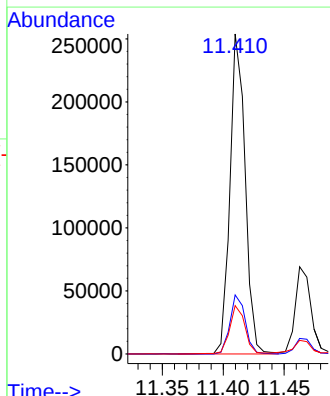
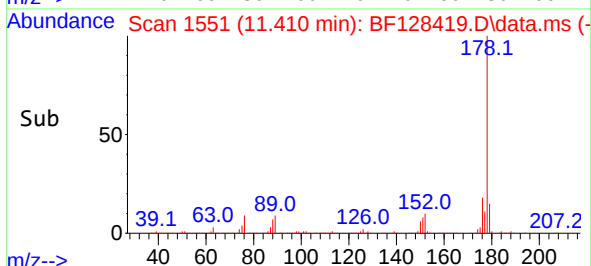
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

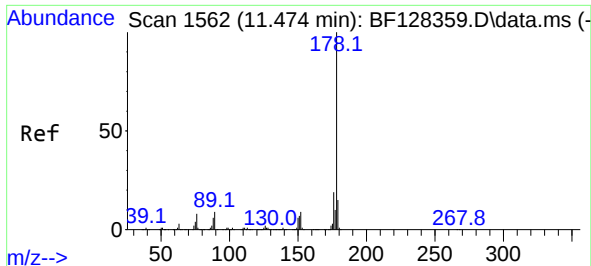


#71
Phenanthrene
Concen: 13.582 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



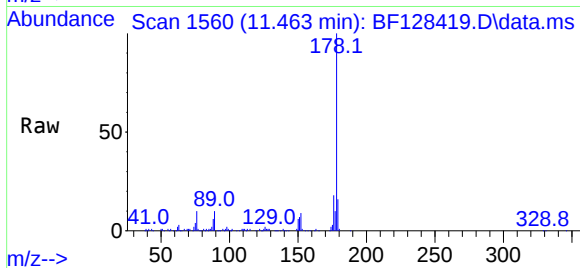
Tgt Ion:178 Resp: 220629
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 3.922 ng
 RT: 11.463 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128419.D
 Acq: 24 May 2022 00:37

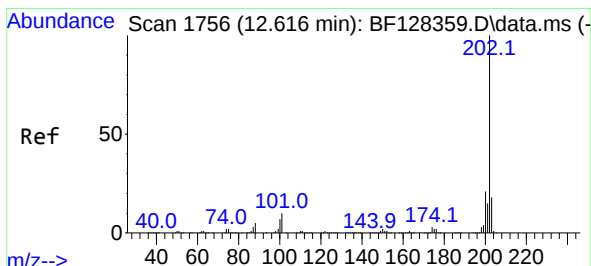
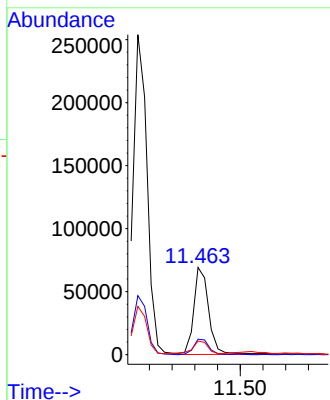
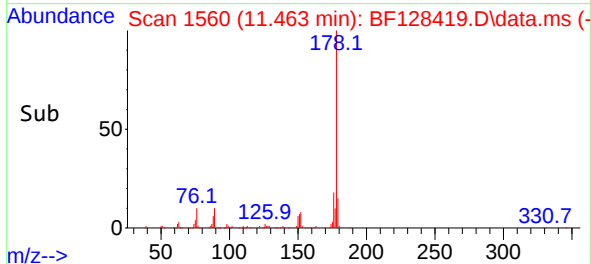
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051922



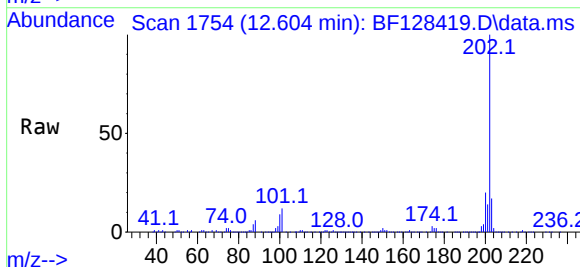
Tgt Ion:178 Resp: 6332
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.5 12.4 18.6

Manual Integrations
 APPROVED

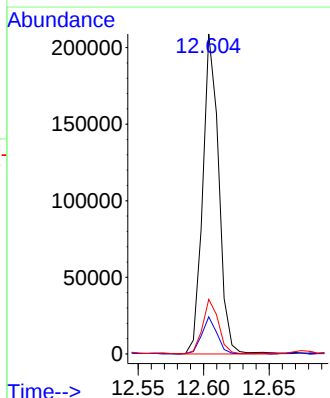
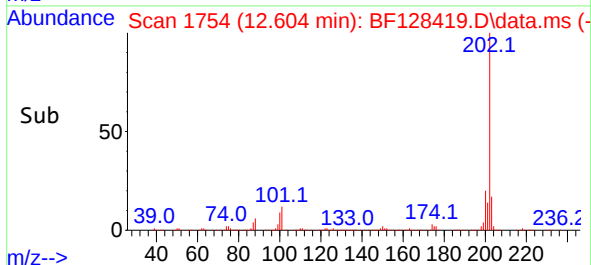
Reviewed By :Christian Giraldo 05/24/2022
 Supervised By :Jagrut Upadhyay 05/24/2022

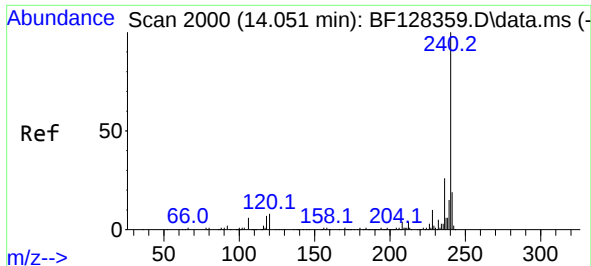


#75
 Fluoranthene
 Concen: 10.114 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. -0.012 min
 Lab File: BF128419.D
 Acq: 24 May 2022 00:37



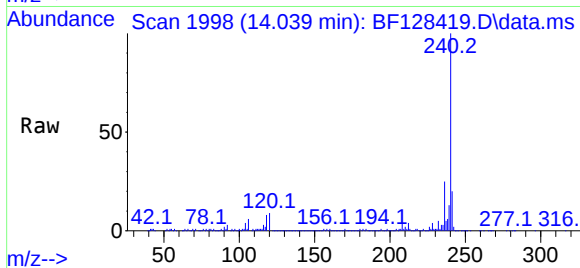
Tgt Ion:202 Resp: 177922
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.6
 203 17.0 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

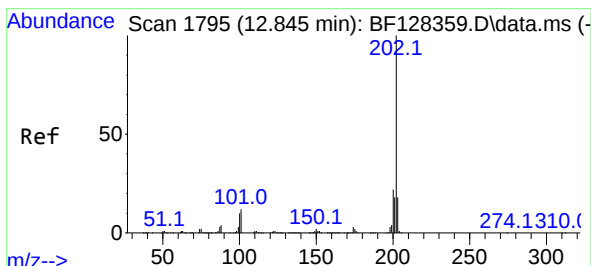
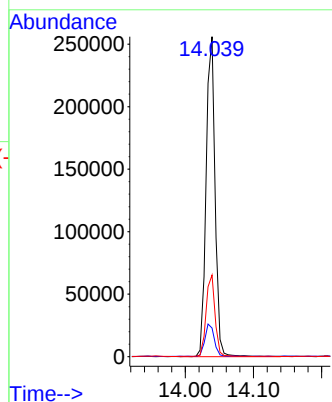
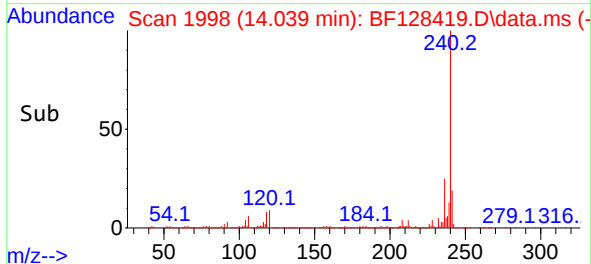
Instrument :
BNA_F
ClientSampleId :
EO-01-051922



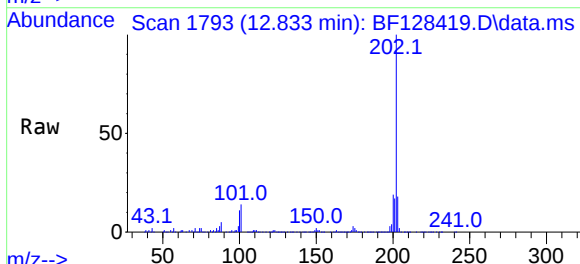
Tgt Ion:240 Resp: 23449
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.5 20.3 30.5

Manual Integrations
APPROVED

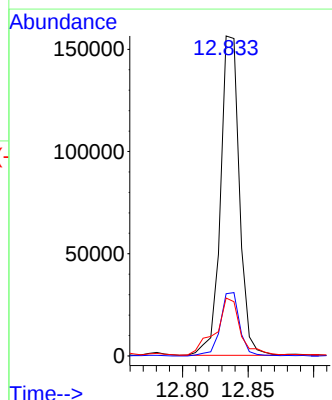
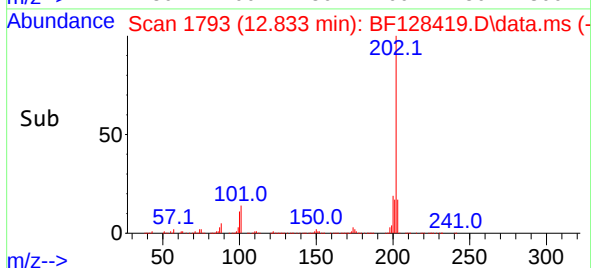
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

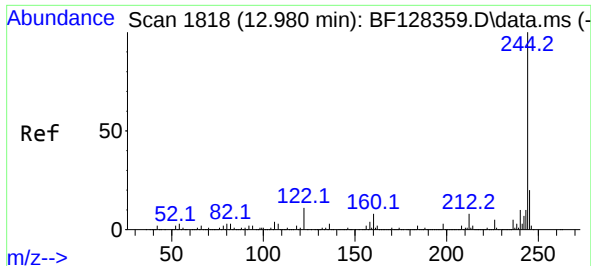


#78
Pyrene
Concen: 8.889 ng
RT: 12.833 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



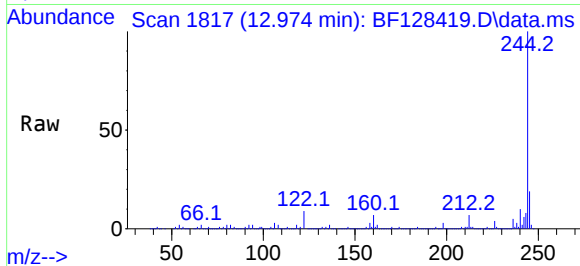
Tgt Ion:202 Resp: 156074
Ion Ratio Lower Upper
202 100
200 19.4 17.4 26.2
203 18.1 14.0 21.0





#79
Terphenyl-d14
Concen: 53.696 ng
RT: 12.974 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

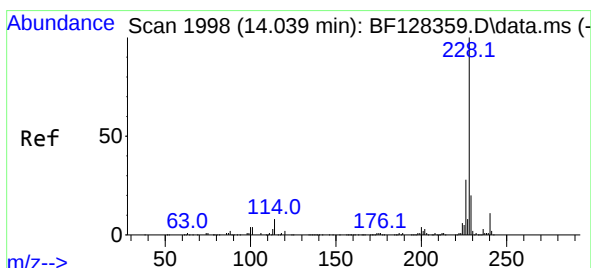
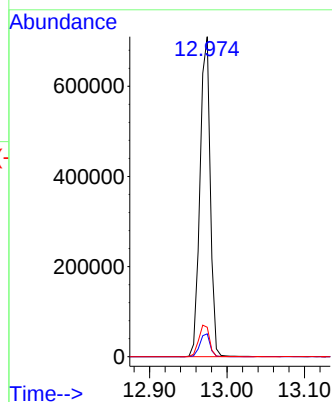
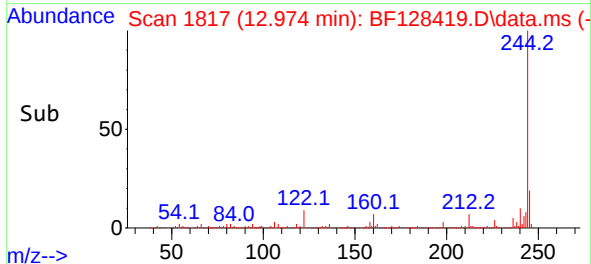
Instrument :
BNA_F
ClientSampleId :
EO-01-051922



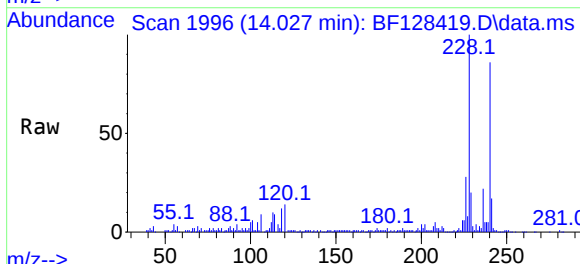
Tgt Ion:244 Resp: 65226
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 9.2 8.6 12.8

Manual Integrations
APPROVED

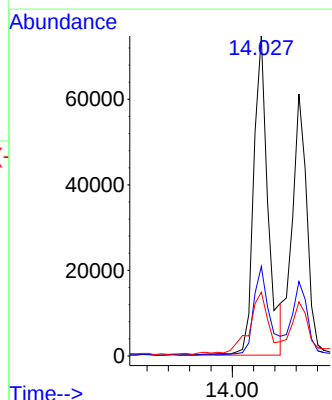
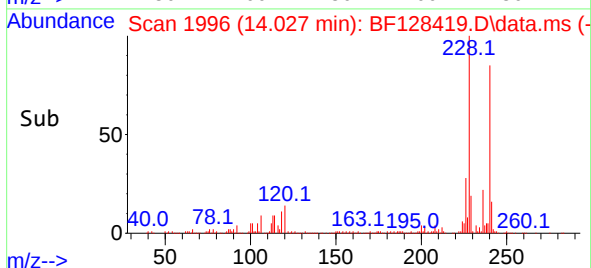
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

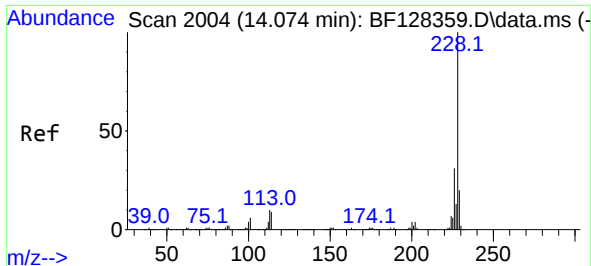


#81
Benzo(a)anthracene
Concen: 4.693 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



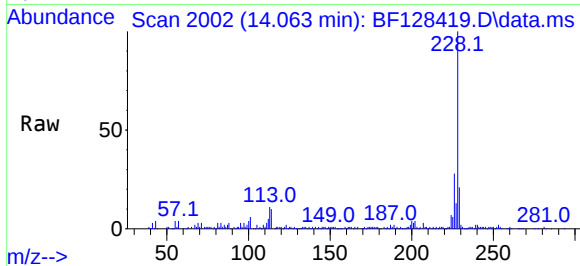
Tgt Ion:228 Resp: 70020
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.0 15.4 23.2





#83
Chrysene
Concen: 4.124 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

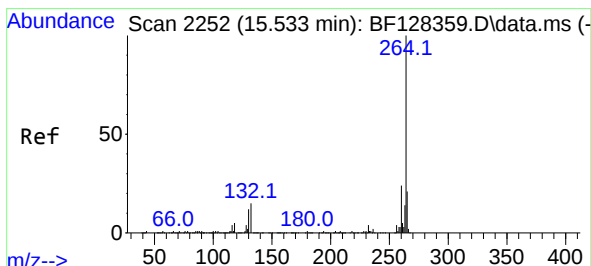
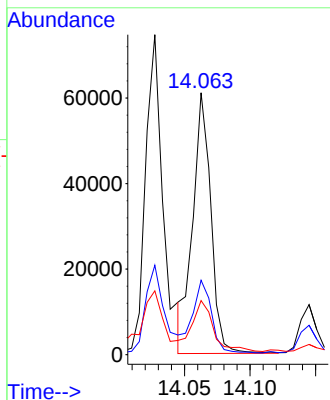
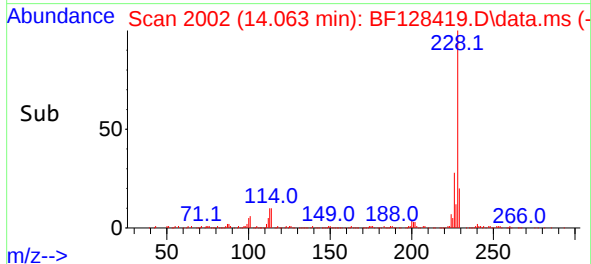
Instrument :
BNA_F
ClientSampleId :
EO-01-051922



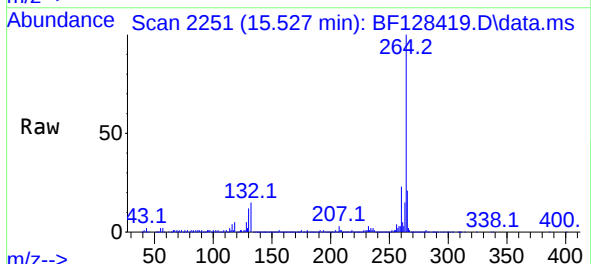
Tgt Ion:228 Resp: 58590
Ion Ratio Lower Upper
228 100
226 28.4 24.4 36.6
229 20.7 15.8 23.8

Manual Integrations
APPROVED

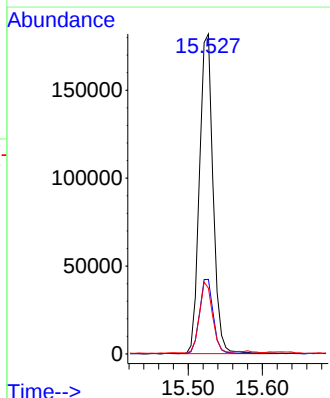
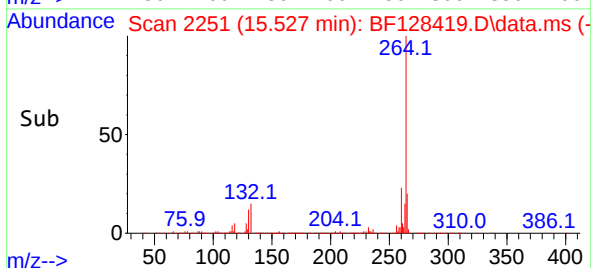
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022

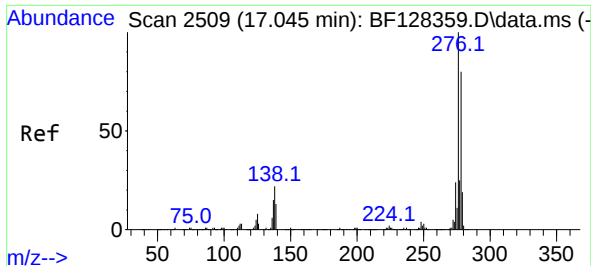


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37



Tgt Ion:264 Resp: 232948
Ion Ratio Lower Upper
264 100
260 23.3 20.1 30.1
265 20.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.097 ng
RT: 17.033 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

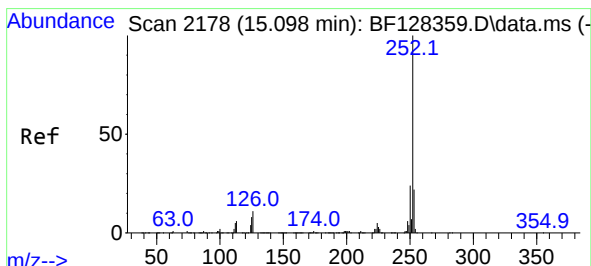
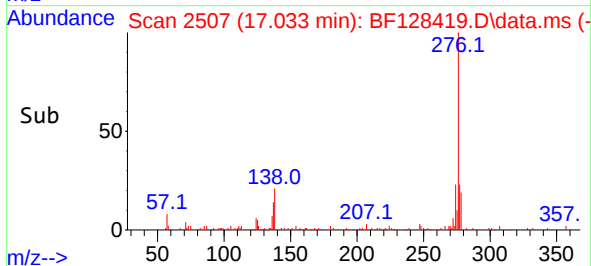
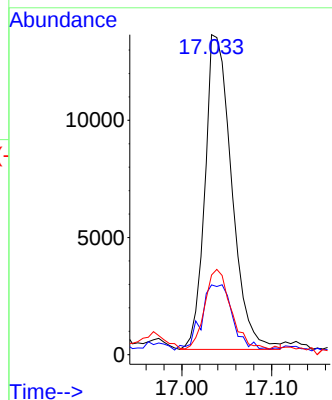
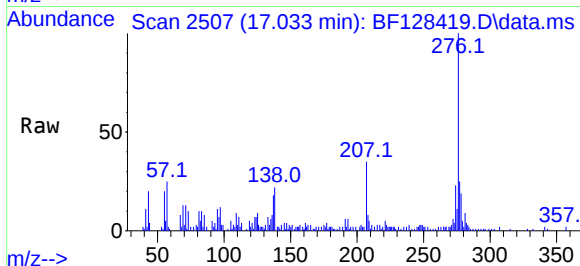
EO-01-051922

Tgt Ion:276 Resp: 27884
Ion Ratio Lower Upper
276 100
138 25.7 19.0 28.4
277 24.4 20.1 30.1

Manual Integrations

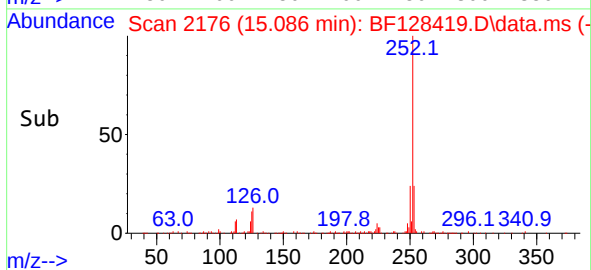
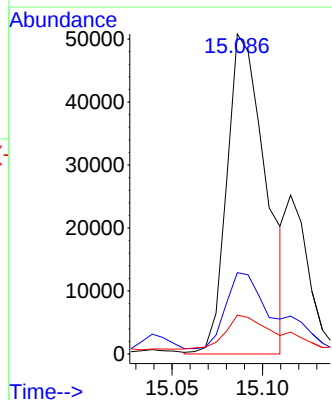
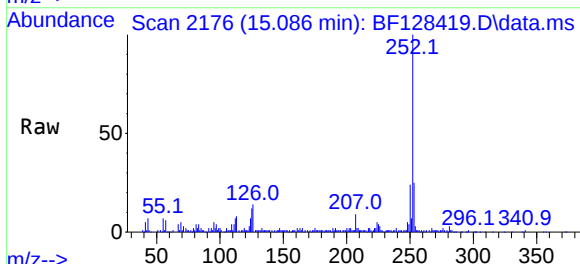
APPROVED

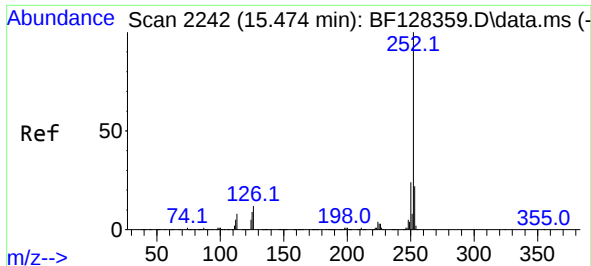
Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#88
Benzo(b)fluoranthene
Concen: 5.215 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:252 Resp: 75563
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 12.1 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 4.771 ng
RT: 15.462 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

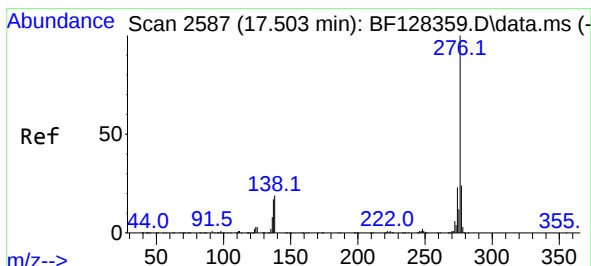
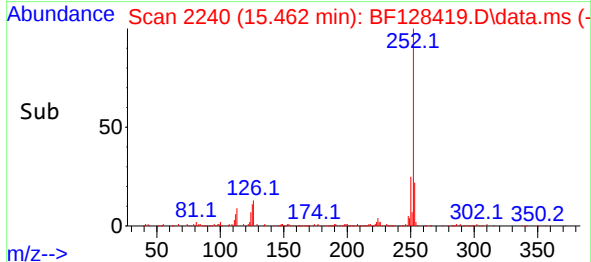
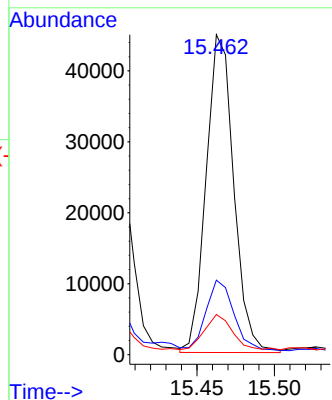
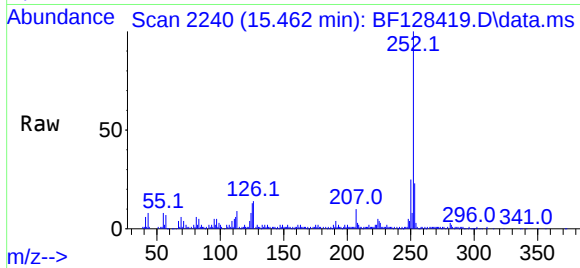
EO-01-051922

Tgt Ion:252 Resp: 5550
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/24/2022
Supervised By :Jagrut Upadhyay 05/24/2022



#92
Benzo(g,h,i)perylene
Concen: 2.464 ng
RT: 17.498 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:276 Resp: 27426
Ion Ratio Lower Upper
276 100
277 26.7 18.8 28.2
138 22.3 16.2 24.2

