

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127924.D
 Acq On : 26 Apr 2022 20:41
 Operator : CG\JU
 Sample : N2479-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E14ST-EB4-041922-0-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022
 Supervised By : Jagrut Upadhyay 04/27/2022

Quant Time: Apr 27 01:48:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	144238	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	576322	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	332179	20.000	ng	0.00
64) Phenanthrene-d10	11.474	188	575602	20.000	ng	0.00
76) Chrysene-d12	14.121	240	288365	20.000	ng	0.00
86) Perylene-d12	15.639	264	303676	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	999399	110.361	ng	0.01
7) Phenol-d6	6.569	99	1361253	115.847	ng	0.00
23) Nitrobenzene-d5	7.504	82	993689	81.079	ng	0.00
42) 2,4,6-Tribromophenol	10.780	330	379907	113.610	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	1592154	81.086	ng	0.00
79) Terphenyl-d14	13.063	244	1450452	91.975	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.016	154	43134	2.239	ng	97
58) Fluorene	10.533	166	52705	2.541	ng	99
71) Phenanthrene	11.504	178	703923	23.363	ng	99
72) Anthracene	11.551	178	185956	6.196	ng	98
73) Carbazole	11.704	167	61856	2.138	ng	99
75) Fluoranthene	12.692	202	625944	19.739	ng	98
78) Pyrene	12.921	202	511297	21.965	ng	99
81) Benzo(a)anthracene	14.110	228	183816	9.564	ng	98
83) Chrysene	14.145	228	150888	8.220	ng	98
87) Indeno(1,2,3-cd)pyrene	17.174	276	83824	4.135	ng	95
88) Benzo(b)fluoranthene	15.186	252	185259m	9.713	ng	
89) Benzo(k)fluoranthene	15.209	252	59264m	3.084	ng	
90) Benzo(a)pyrene	15.568	252	143610	9.077	ng	98
92) Benzo(g,h,i)perylene	17.650	276	74137	4.327	ng	99

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

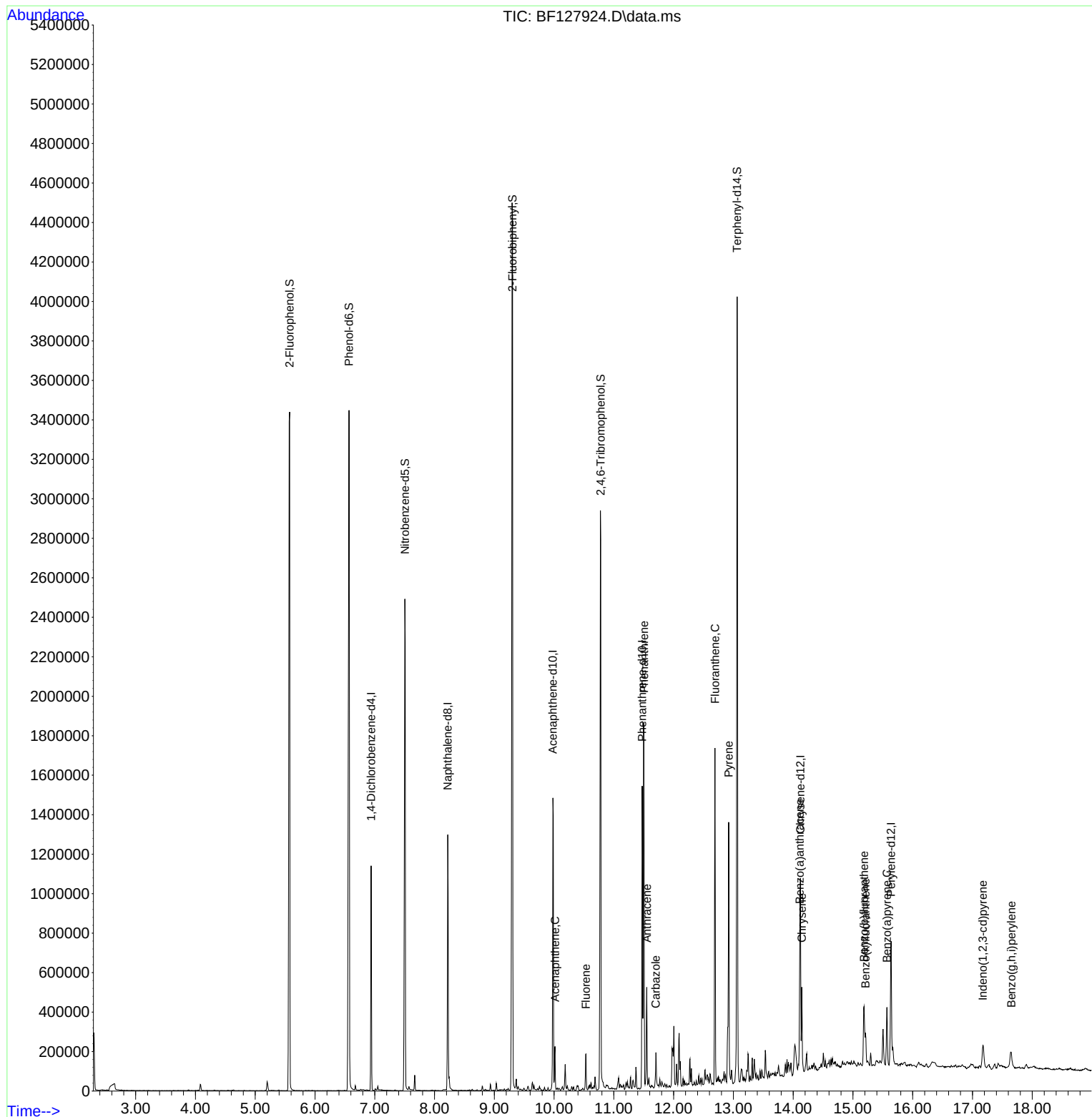
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
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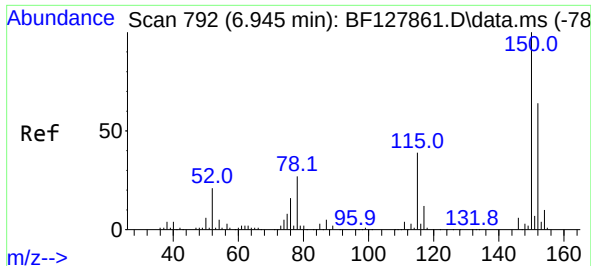
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Quant Time: Apr 27 01:48:52 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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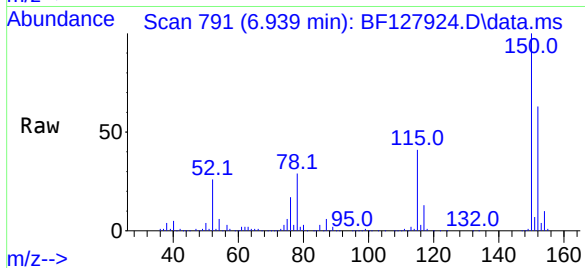
Reviewed By : Christian Giraldo 04/27/2022
Supervised By : Jagrut Upadhyay 04/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

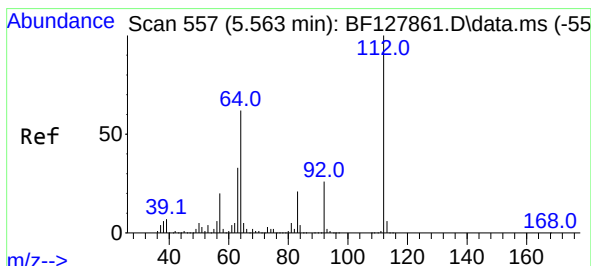
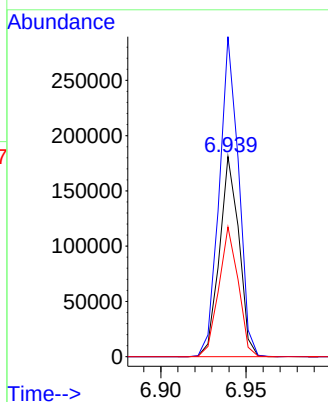
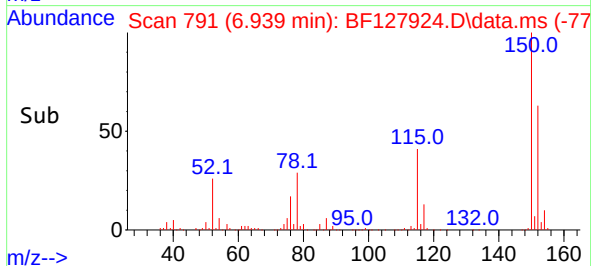
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



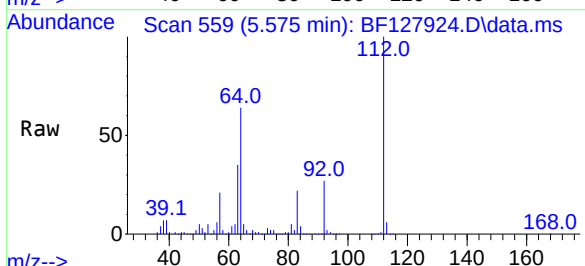
Tgt Ion:152 Resp: 144238
Ion Ratio Lower Upper
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150 159.9 125.3 187.9
115 64.9 48.8 73.2

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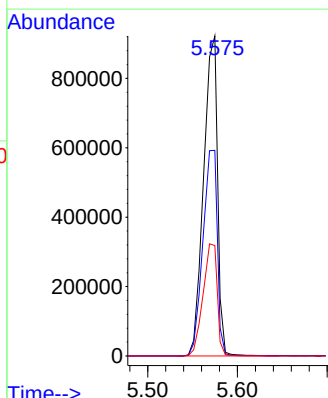
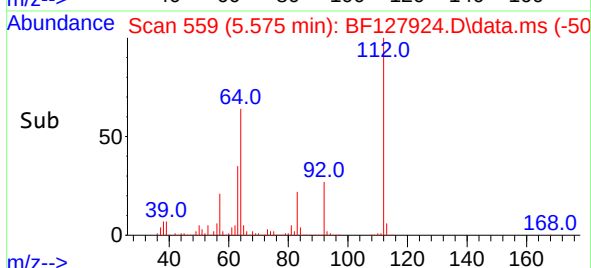
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

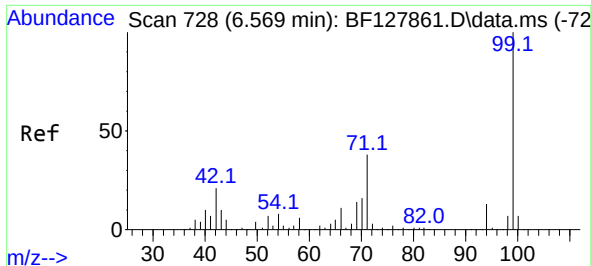


#5
2-Fluorophenol
Concen: 110.361 ng
RT: 5.575 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



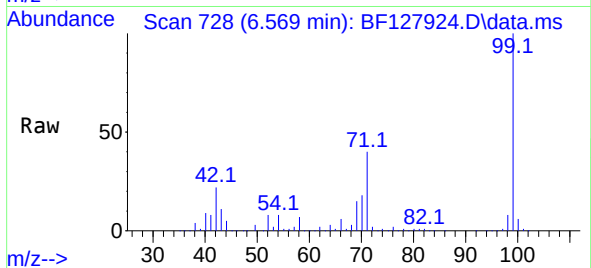
Tgt Ion:112 Resp: 999399
Ion Ratio Lower Upper
112 100
64 64.3 49.5 74.3
63 34.5 26.3 39.5





#7
Phenol-d6
Concen: 115.847 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

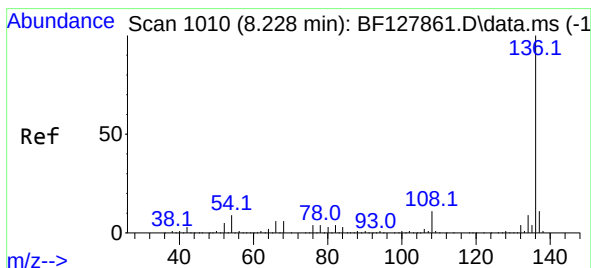
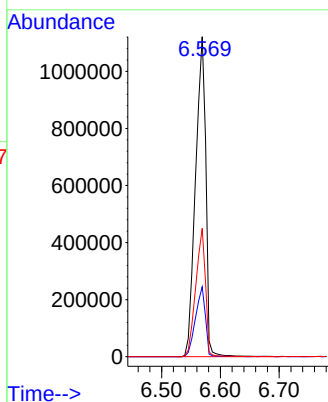
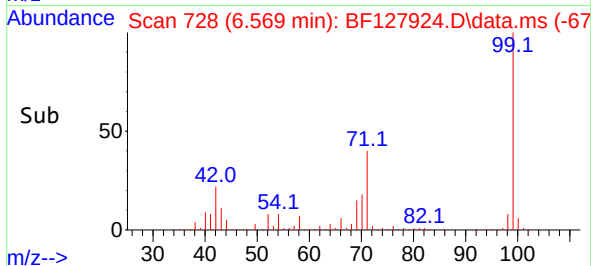
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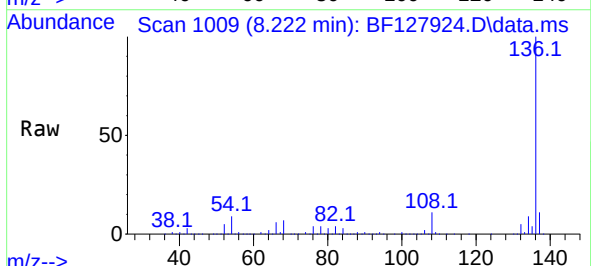
Tgt Ion: 99 Resp: 136125
Ion Ratio Lower Upper
99 100
42 21.8 16.6 24.8
71 40.1 30.0 45.0

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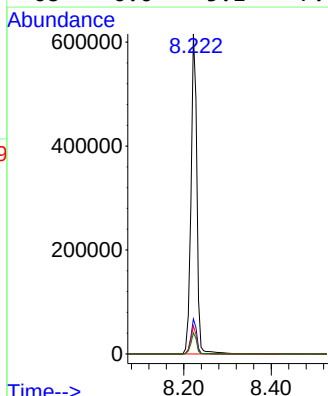
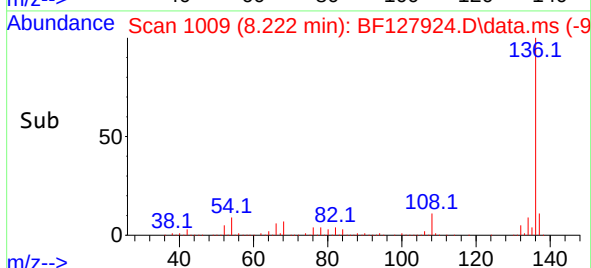
Reviewed By :Christian Giraldo 04/27/2022
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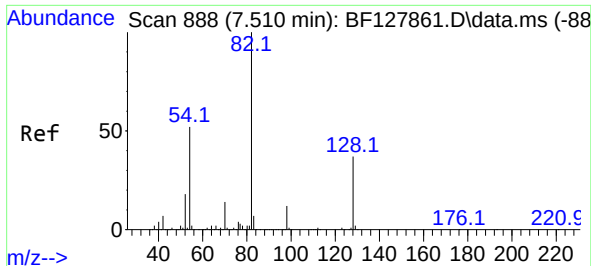


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



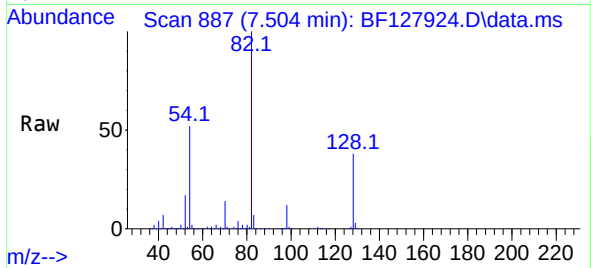
Tgt Ion:136 Resp: 576322
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 6.8 10.2
68 6.6 5.1 7.7





#23
Nitrobenzene-d5
Concen: 81.079 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

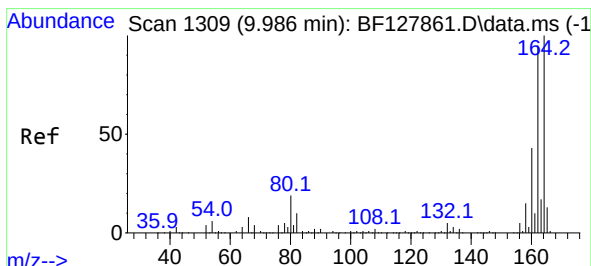
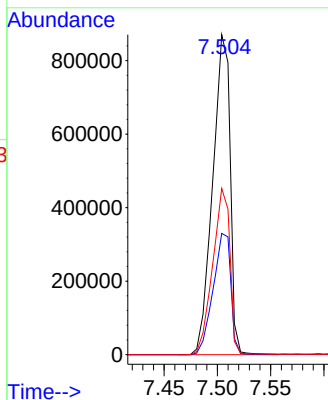
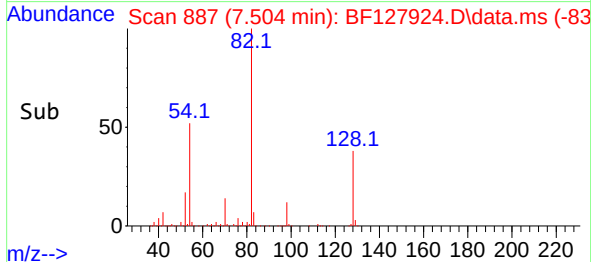
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Tgt Ion: 82 Resp: 993689
Ion Ratio Lower Upper
82 100
128 37.9 30.0 45.0
54 52.0 41.3 61.9

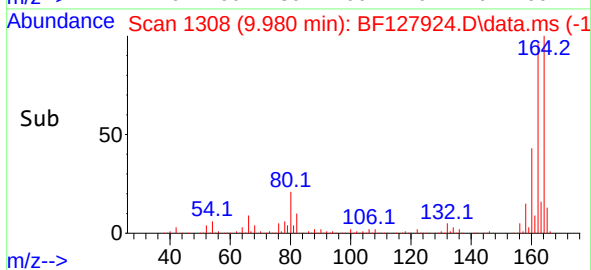
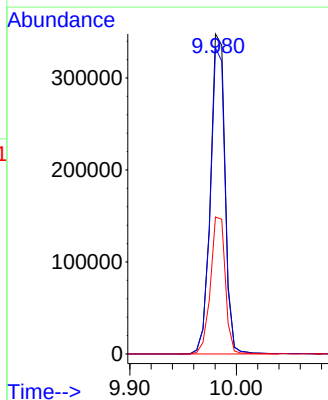
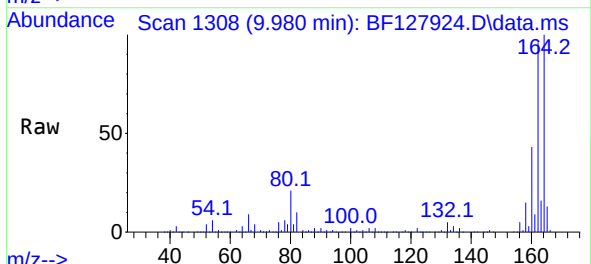
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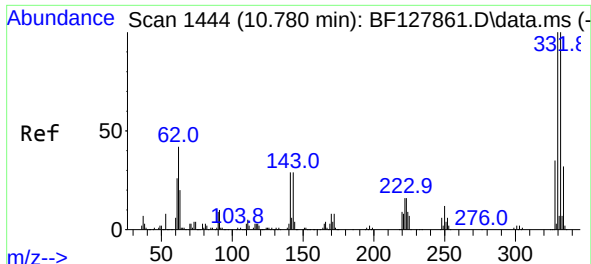
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

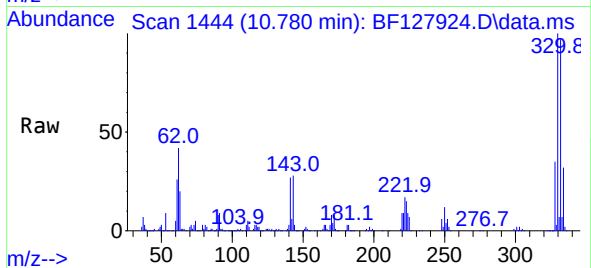
Tgt Ion:164 Resp: 332179
Ion Ratio Lower Upper
164 100
162 95.7 76.0 114.0
160 42.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 113.610 ng
RT: 10.780 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

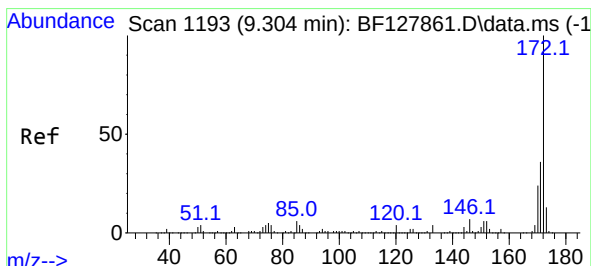
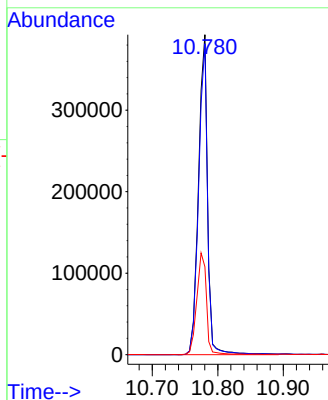
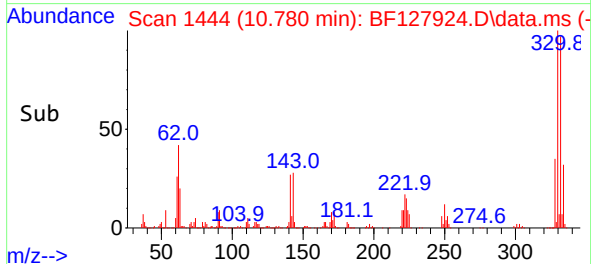
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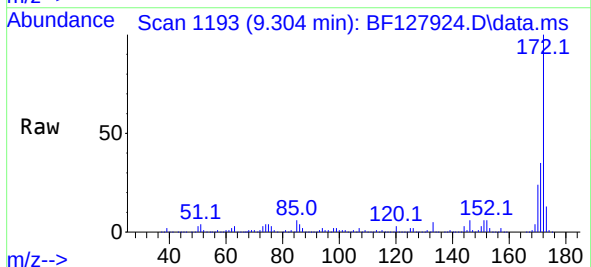
Tgt Ion:330 Resp: 379907
Ion Ratio Lower Upper
330 100
332 96.0 79.0 118.4
141 33.9 28.9 43.3

Manual Integrations
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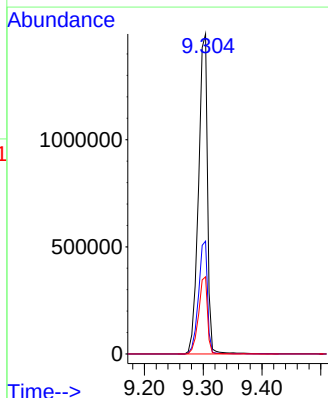
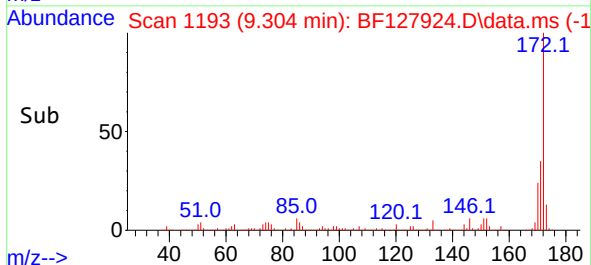
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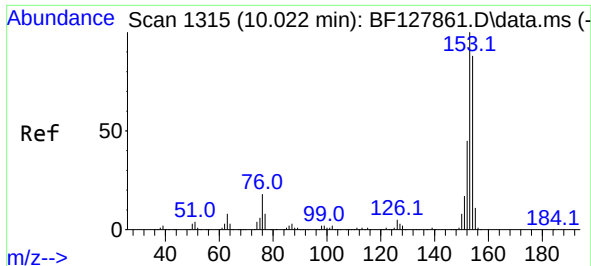


#45
2-Fluorobiphenyl
Concen: 81.086 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



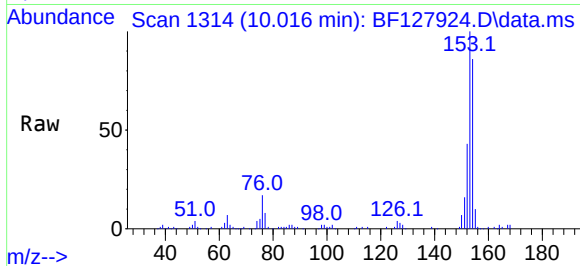
Tgt Ion:172 Resp: 1592154
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 24.1 19.1 28.7





#52
Acenaphthene
Concen: 2.239 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

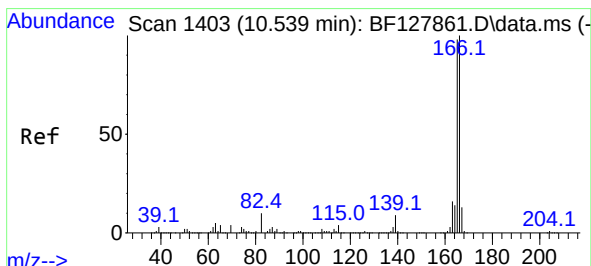
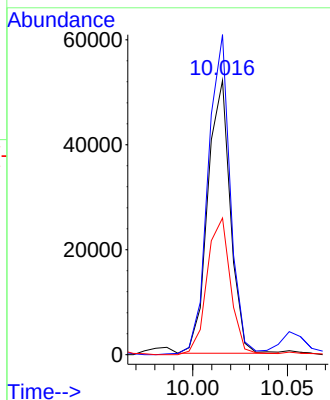
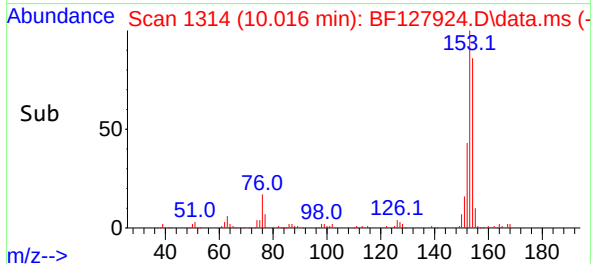
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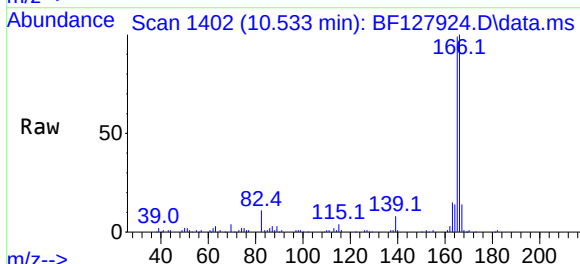
Tgt Ion:154 Resp: 43134
Ion Ratio Lower Upper
154 100
153 116.7 90.5 135.7
152 49.8 41.0 61.6

Manual Integrations
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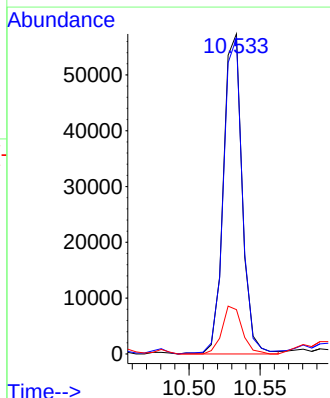
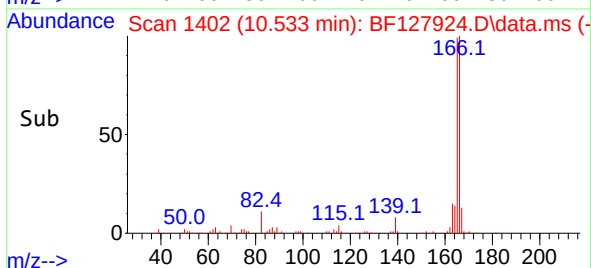
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

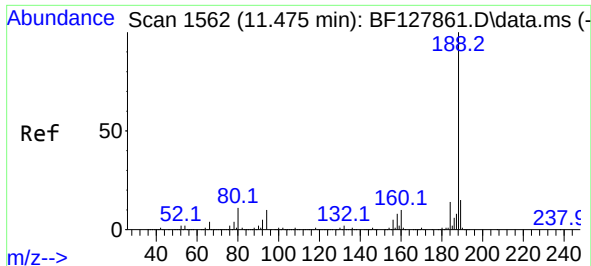


#58
Fluorene
Concen: 2.541 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



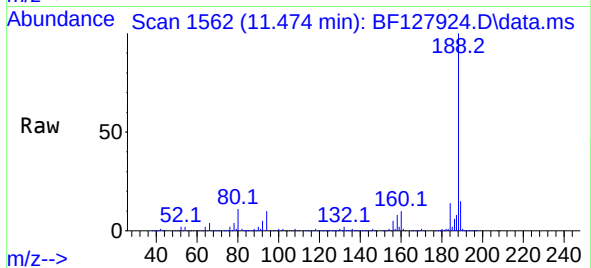
Tgt Ion:166 Resp: 52705
Ion Ratio Lower Upper
166 100
165 98.7 78.6 117.8
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

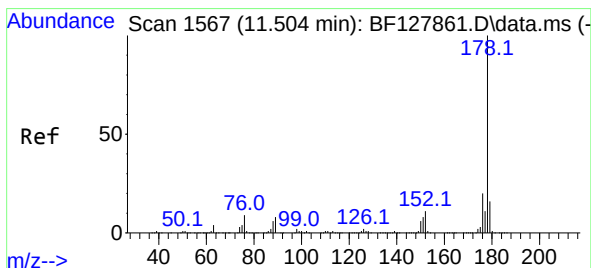
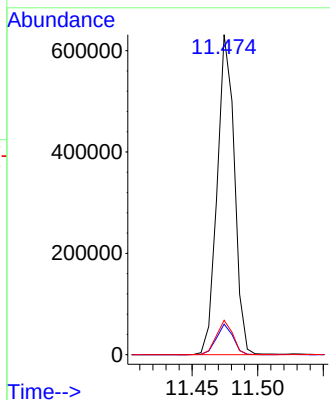
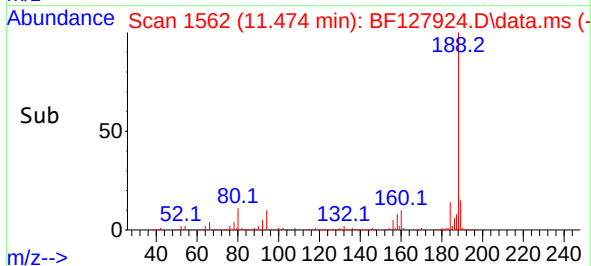
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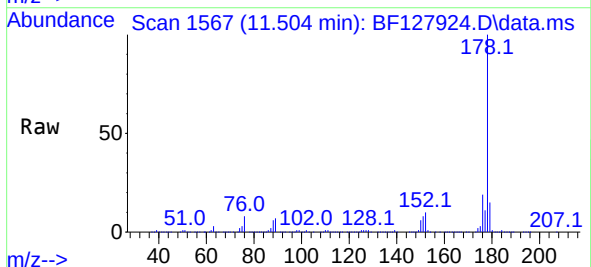
Tgt Ion:188 Resp: 575602
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.7 8.9 13.3

Manual Integrations
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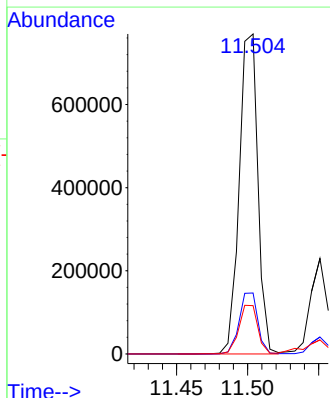
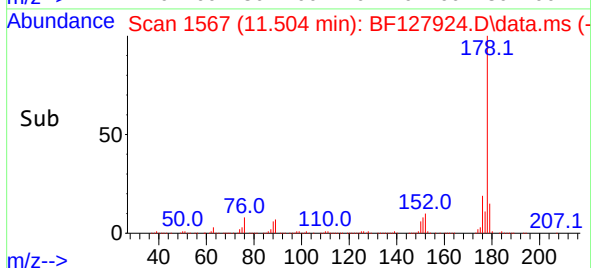
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

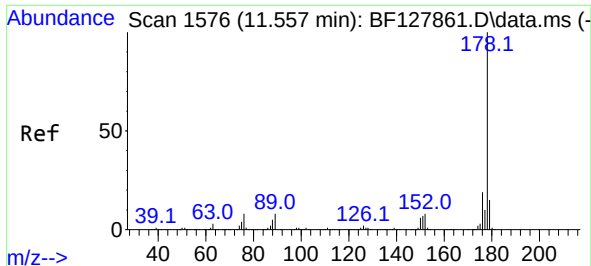


#71
Phenanthrene
Concen: 23.363 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



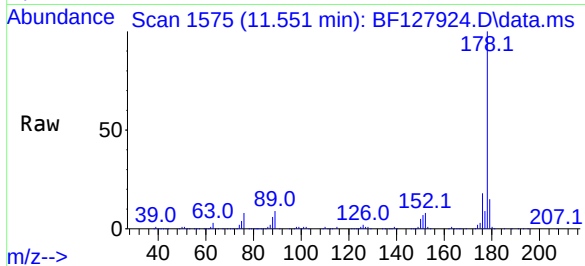
Tgt Ion:178 Resp: 703923
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 6.196 ng
 RT: 11.551 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41

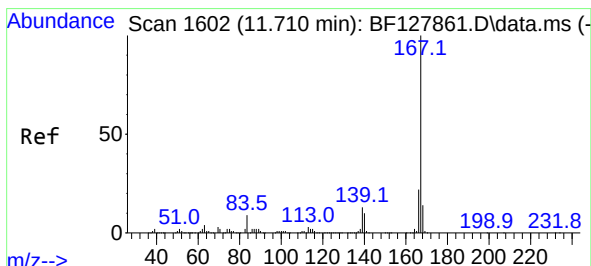
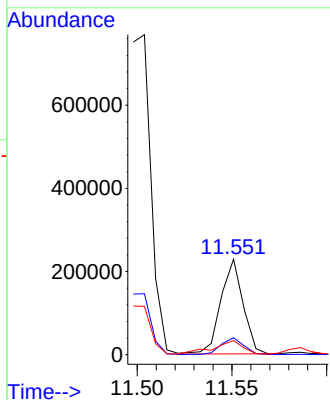
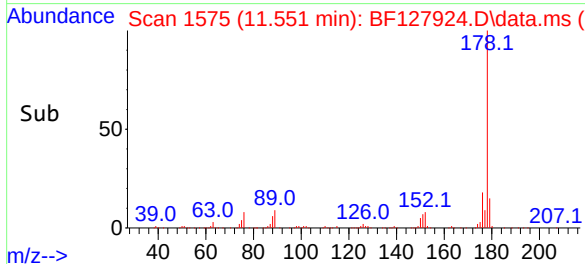
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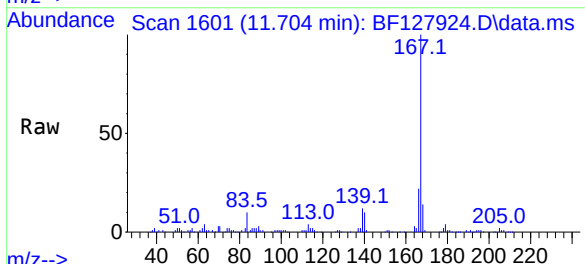
Tgt Ion:178 Resp: 185950
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 14.8 12.4 18.6

Manual Integrations
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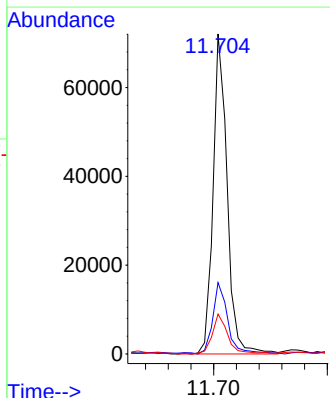
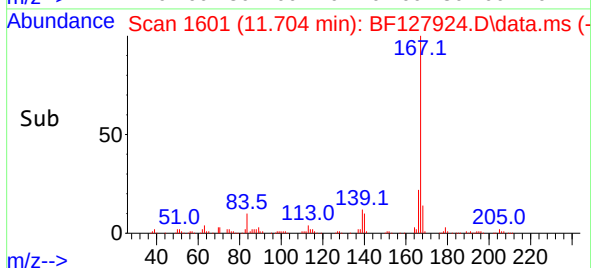
Reviewed By :Christian Giraldo 04/27/2022
 Supervised By :Jagrut Upadhyay 04/27/2022

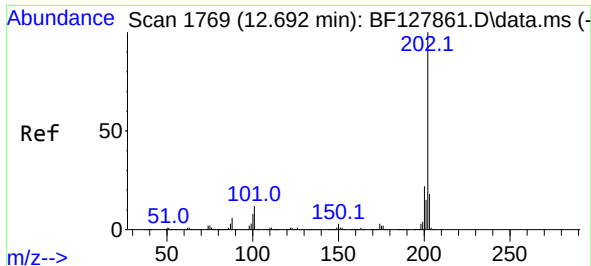


#73
 Carbazole
 Concen: 2.138 ng
 RT: 11.704 min Scan# 1601
 Delta R.T. -0.006 min
 Lab File: BF127924.D
 Acq: 26 Apr 2022 20:41



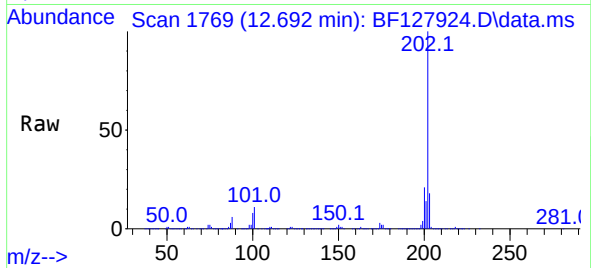
Tgt Ion:167 Resp: 61856
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 12.4 10.7 16.1





#75
Fluoranthene
Concen: 19.739 ng
RT: 12.692 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

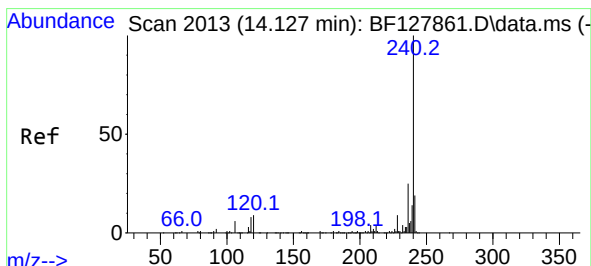
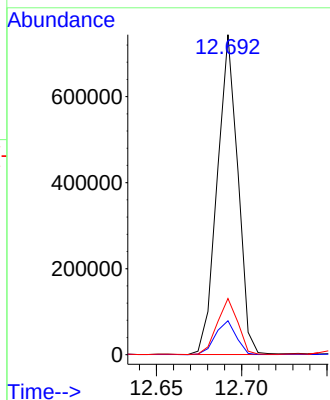
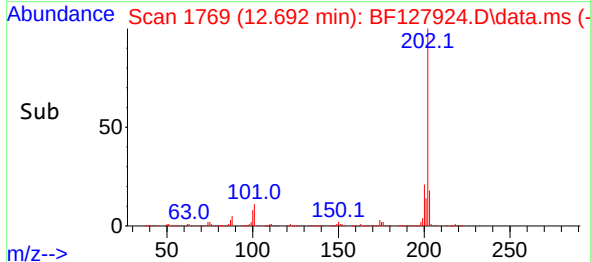
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



Tgt Ion:202 Resp: 625944
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 17.5 0.0 38.1

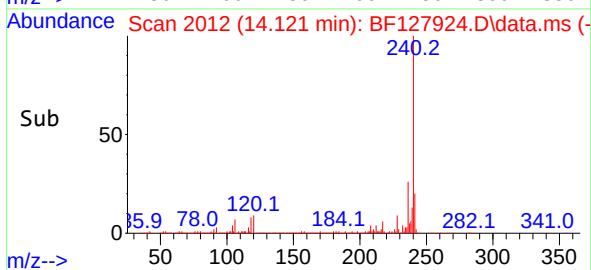
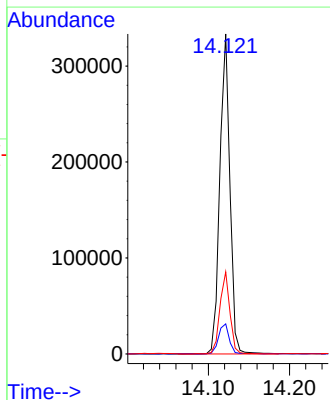
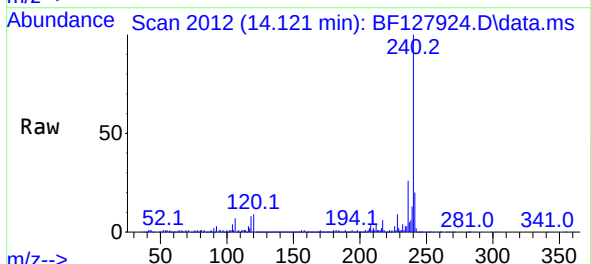
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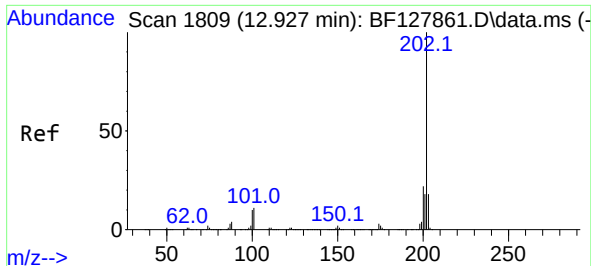
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

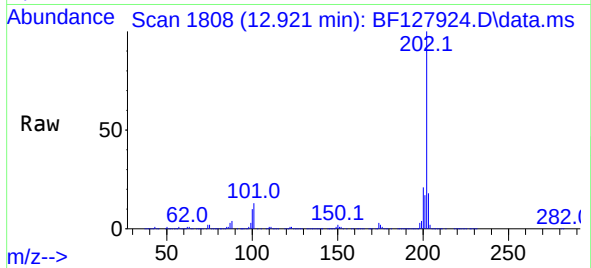
Tgt Ion:240 Resp: 288365
Ion Ratio Lower Upper
240 100
120 9.4 7.0 10.6
236 25.7 20.3 30.5





#78
Pyrene
Concen: 21.965 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

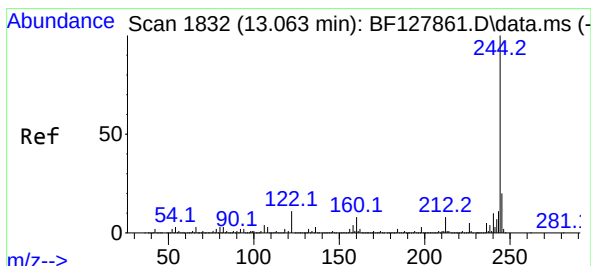
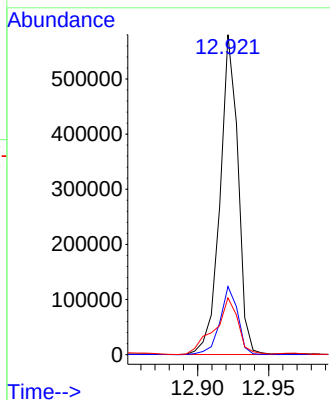
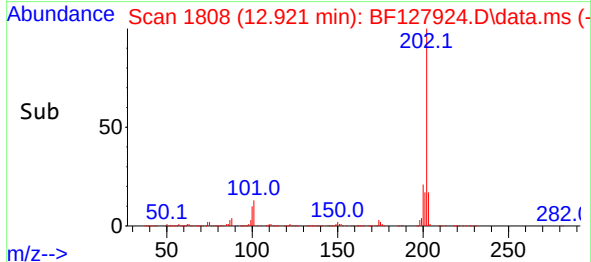
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



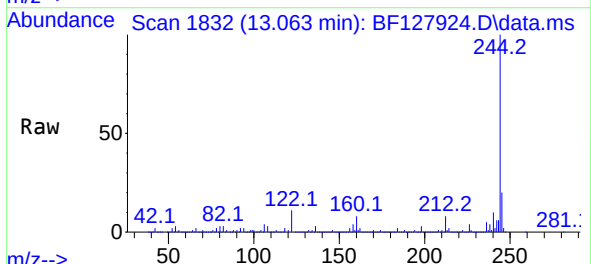
Tgt Ion:202 Resp: 511297
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 17.8 14.0 21.0

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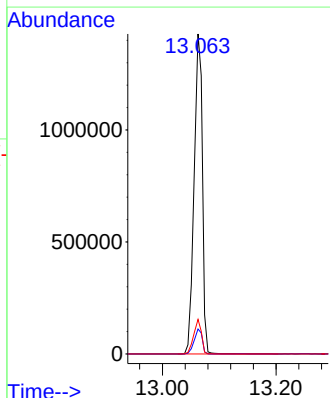
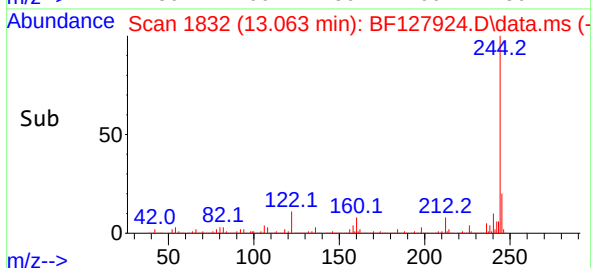
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

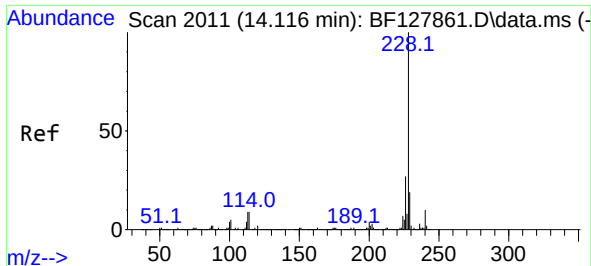


#79
Terphenyl-d14
Concen: 91.975 ng
RT: 13.063 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



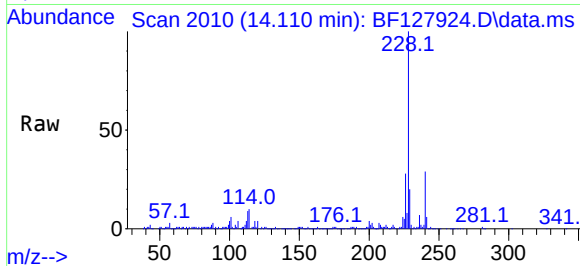
Tgt Ion:244 Resp: 1450452
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 10.8 8.6 12.8





#81
Benzo(a)anthracene
Concen: 9.564 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

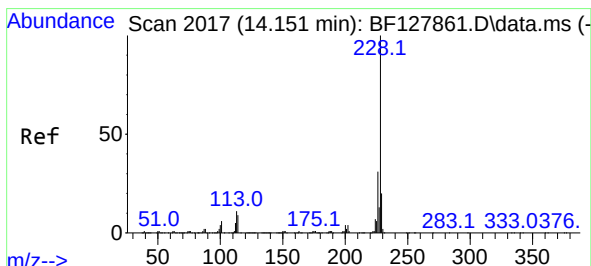
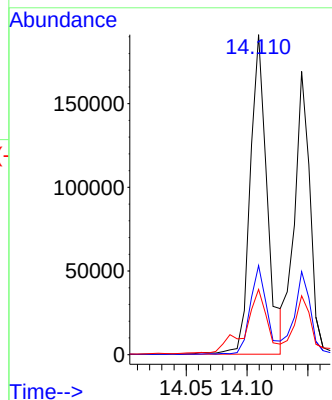
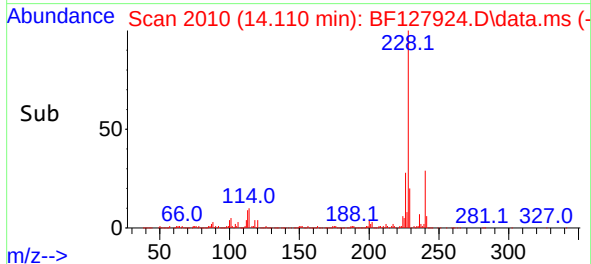
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



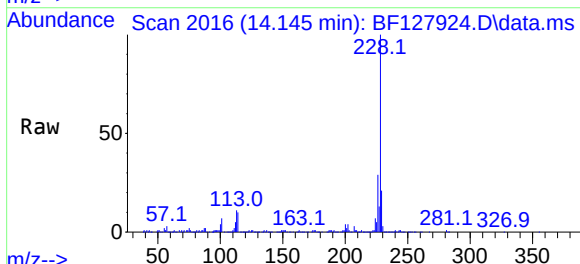
Tgt Ion:228 Resp: 183810
Ion Ratio Lower Upper
228 100
226 27.8 21.7 32.5
229 20.4 15.4 23.2

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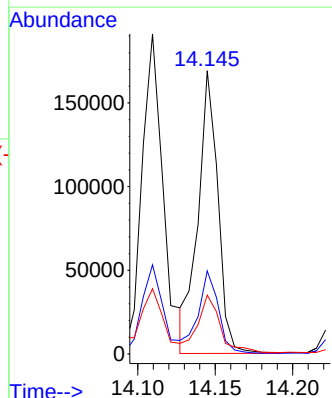
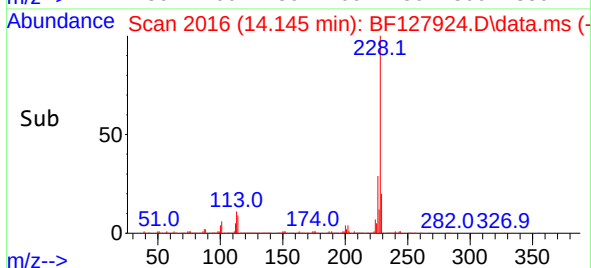
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

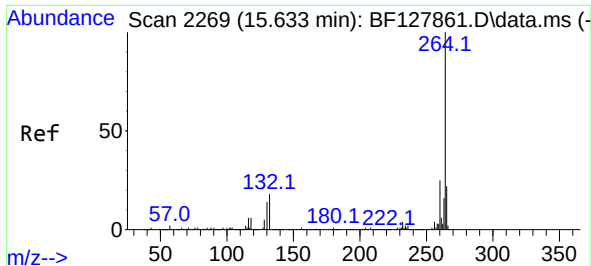


#83
Chrysene
Concen: 8.220 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



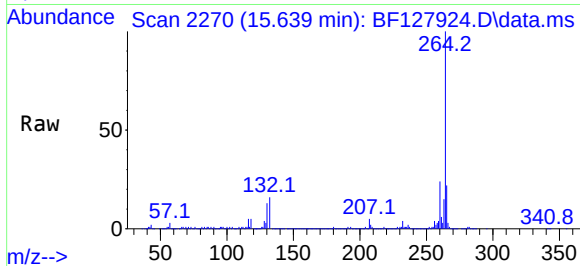
Tgt Ion:228 Resp: 150888
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 20.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

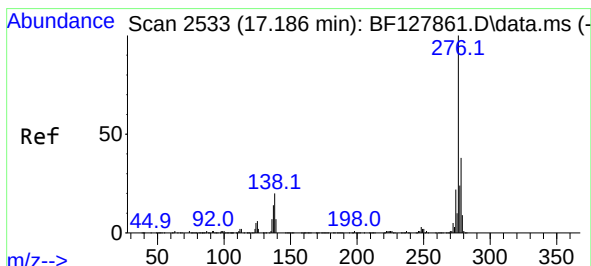
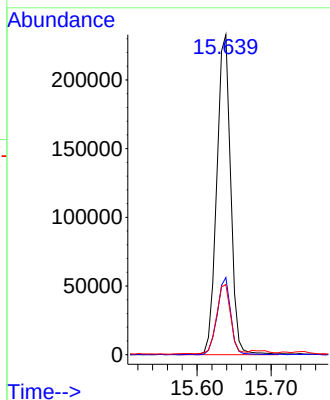
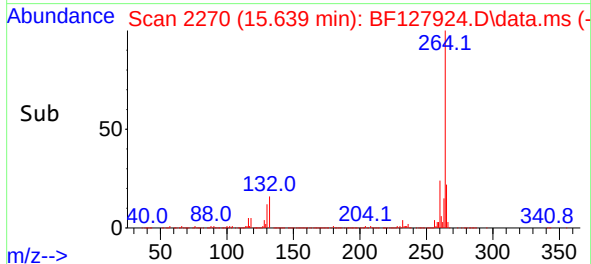
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



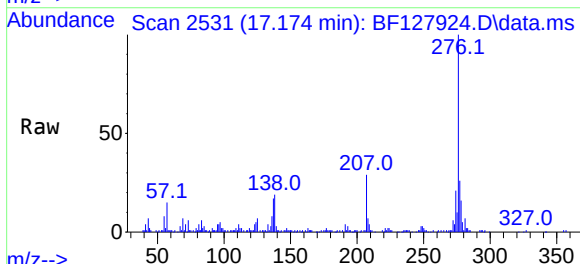
Tgt Ion:264 Resp: 303670
Ion Ratio Lower Upper
264 100
260 24.1 20.1 30.1
265 21.9 17.5 26.3

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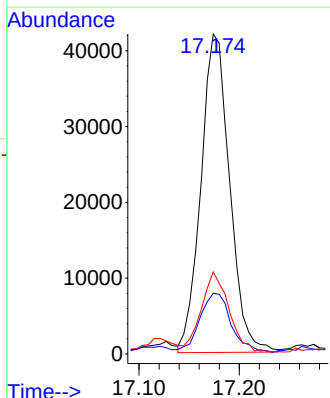
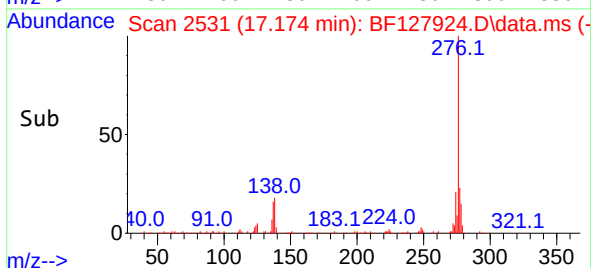
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

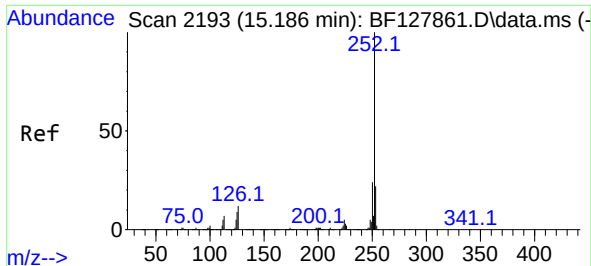


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.135 ng
RT: 17.174 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



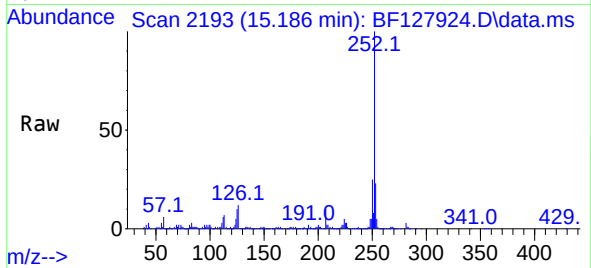
Tgt Ion:276 Resp: 83824
Ion Ratio Lower Upper
276 100
138 20.1 19.0 28.4
277 23.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 9.713 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

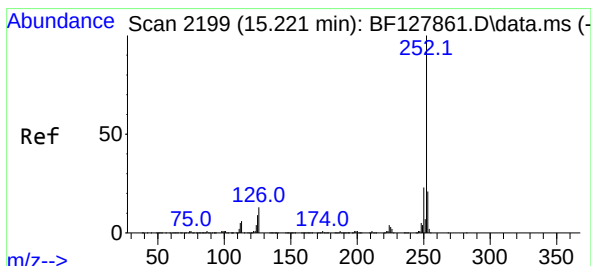
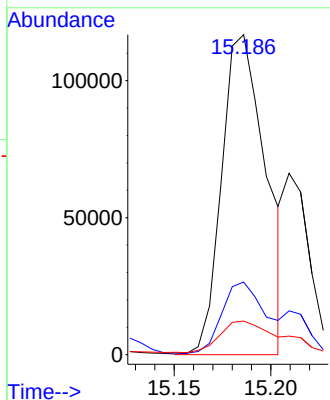
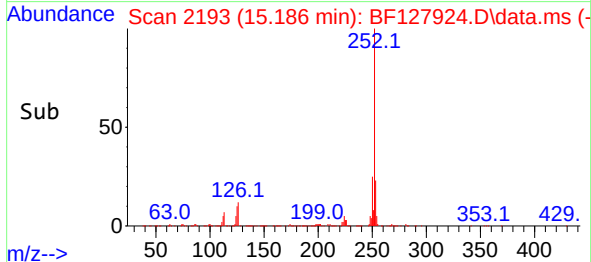
Instrument :
BNA_F
ClientSampleId :
E14ST-EB4-041922-0-5



Tgt Ion:252 Resp: 185259
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 10.5 7.4 11.2

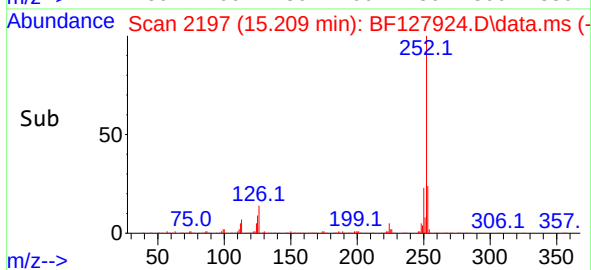
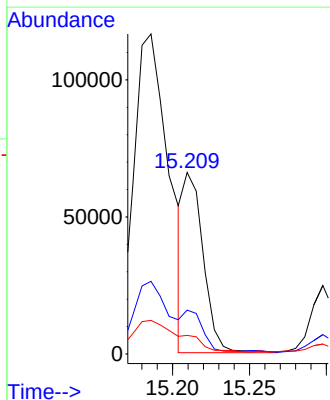
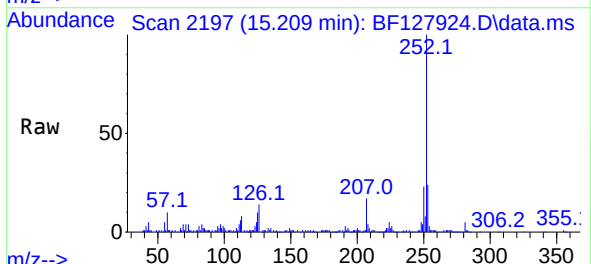
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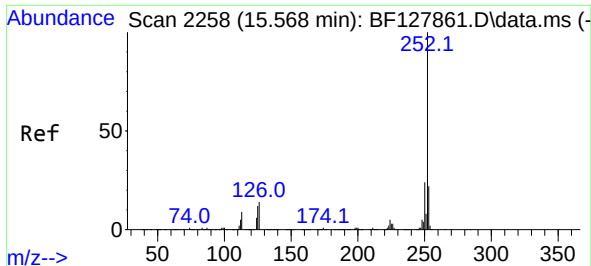
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#89
Benzo(k)fluoranthene
Concen: 3.084 ng m
RT: 15.209 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

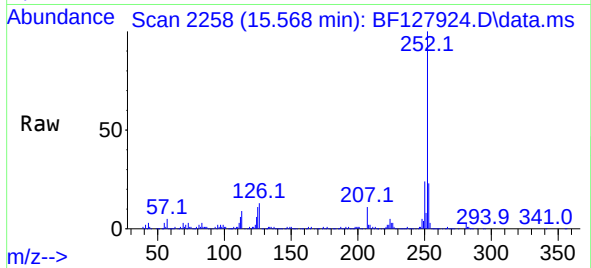
Tgt Ion:252 Resp: 59264
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.4
125 10.2 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 9.077 ng
RT: 15.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41

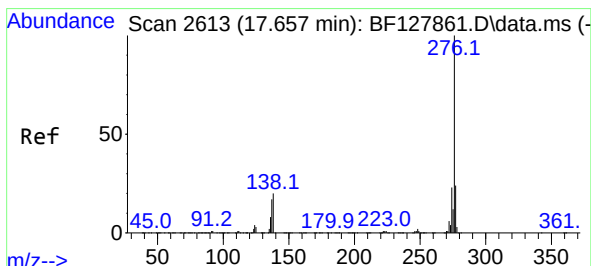
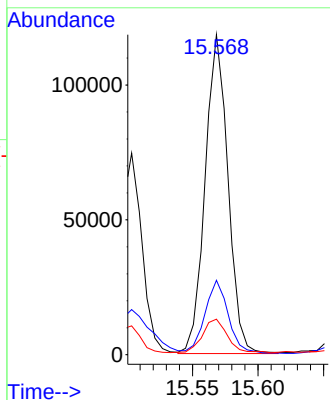
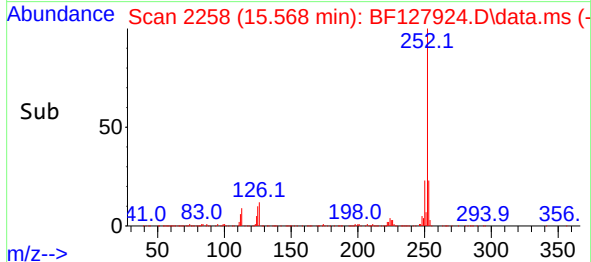
Instrument :
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ClientSampleId :
E14ST-EB4-041922-0-5



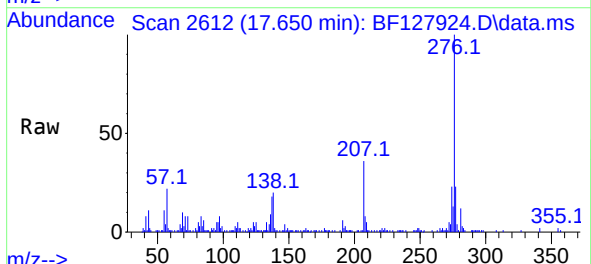
Tgt Ion:252 Resp: 143610
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 11.1 9.2 13.8

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Supervised By :Jagrut Upadhyay 04/27/2022



#92
Benzo(g,h,i)perylene
Concen: 4.327 ng
RT: 17.650 min Scan# 2612
Delta R.T. -0.006 min
Lab File: BF127924.D
Acq: 26 Apr 2022 20:41



Tgt Ion:276 Resp: 74137
Ion Ratio Lower Upper
276 100
277 22.9 18.8 28.2
138 20.3 16.2 24.2

