

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
 Data File : BF130026.D
 Acq On : 26 Aug 2022 19:09
 Operator : CG\JU
 Sample : N4264-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/29/2022
 Supervised By : Jagrut Upadhyay 08/29/2022

Quant Time: Aug 27 06:11:40 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 14:45:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	111633	20.000	ng	-0.01
21) Naphthalene-d8	8.028	136	437573	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	207567	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	275702	20.000	ng	0.00
76) Chrysene-d12	13.921	240	215529	20.000	ng	0.00
86) Perylene-d12	15.368	264	176851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	667760	99.040	ng	0.00
7) Phenol-d6	6.410	99	831203	98.445	ng	-0.01
23) Nitrobenzene-d5	7.316	82	535300	65.488	ng	-0.02
42) 2,4,6-Tribromophenol	10.581	330	161032	77.299	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	968569	70.872	ng	-0.01
79) Terphenyl-d14	12.851	244	716028	55.279	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.051	128	71056	3.106	ng	99
37) 2-Methylnaphthalene	8.739	142	49382	3.289	ng	99
38) 1-Methylnaphthalene	8.839	142	46611	3.194	ng	95
49) Acenaphthylene	9.645	152	58422	3.088	ng	98
52) Acenaphthene	9.816	154	30359	2.645	ng	94
55) Dibenzofuran	9.986	168	63852	3.703	ng	# 91
58) Fluorene	10.328	166	132796	9.223	ng	98
71) Phenanthrene	11.298	178	766099	49.754	ng	100
72) Anthracene	11.351	178	151567	9.898	ng	98
73) Carbazole	11.516	167	53040	3.816	ng	99
75) Fluoranthene	12.486	202	578729	36.730	ng	98
78) Pyrene	12.716	202	519080	27.715	ng	98
81) Benzo(a)anthracene	13.910	228	252823	17.052	ng	99
83) Chrysene	13.945	228	208822	15.046	ng	98
84) Bis(2-ethylhexyl)phtha...	13.880	149	28371	3.017	ng	98
87) Indeno(1,2,3-cd)pyrene	16.815	276	69992	5.765	ng	95
88) Benzo(b)fluoranthene	14.951	252	221230m	18.268	ng	
89) Benzo(k)fluoranthene	14.974	252	70590m	6.078	ng	
90) Benzo(a)pyrene	15.310	252	144991	15.204	ng	98
92) Benzo(g,h,i)perylene	17.251	276	67125	6.716	ng	95

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

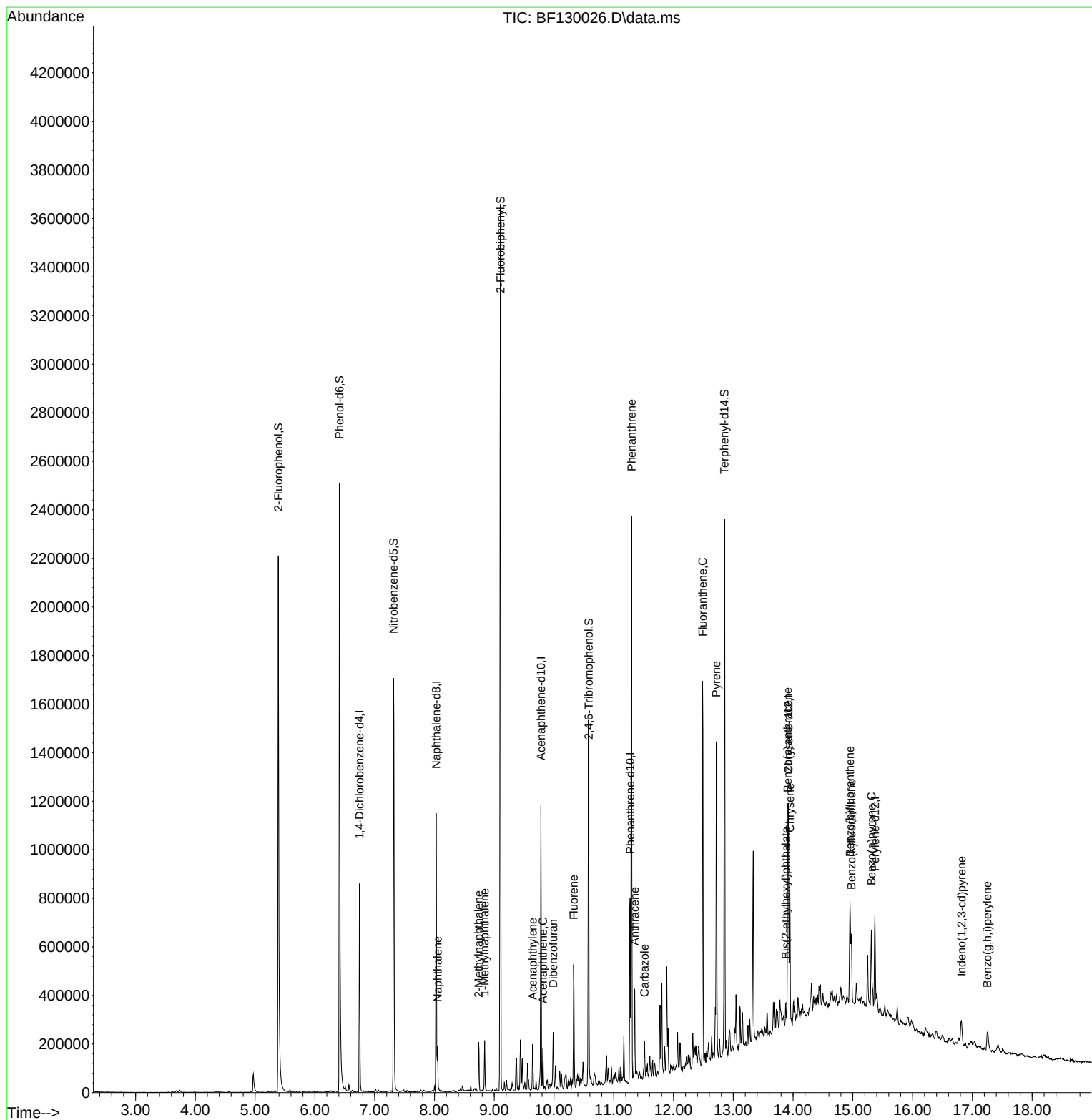
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130026.D
Acq On : 26 Aug 2022 19:09
Operator : CG\JU
Sample : N4264-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

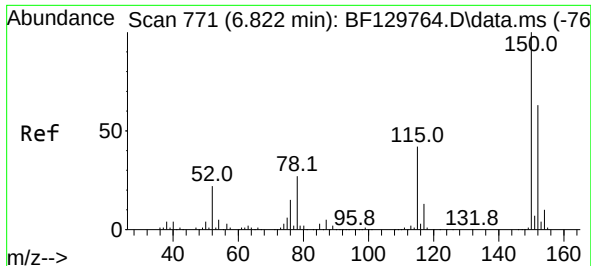
Instrument :
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Supervised By : Jagrut Upadhyay 08/29/2022

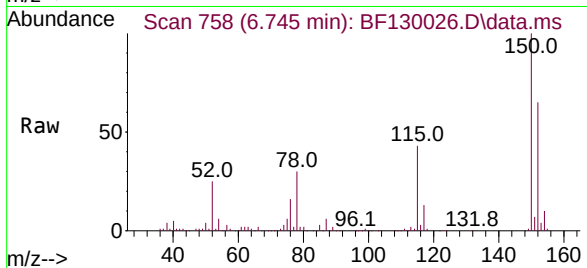
Quant Time: Aug 27 06:11:40 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 25 14:45:09 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 711
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

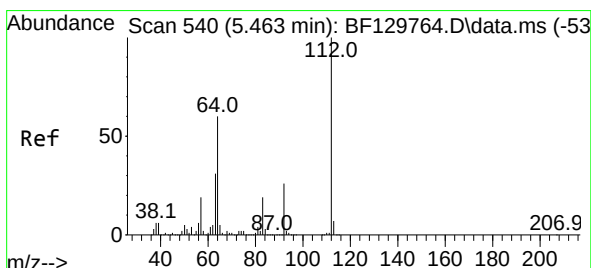
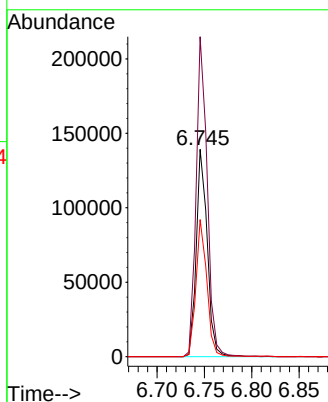
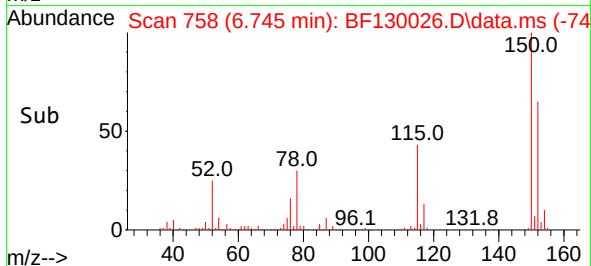
Instrument :
BNA_F
ClientSampleId :
B-3



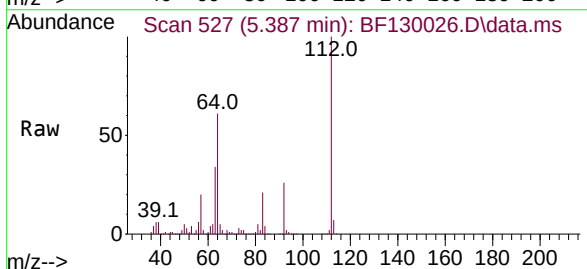
Tgt Ion:152 Resp: 111633
Ion Ratio Lower Upper
152 100
150 154.4 126.9 190.3
115 66.2 53.4 80.0

Manual Integrations
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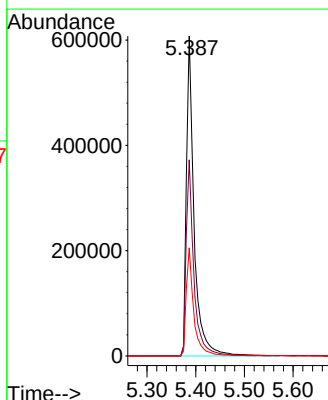
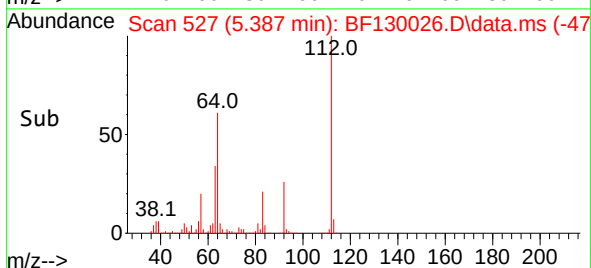
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

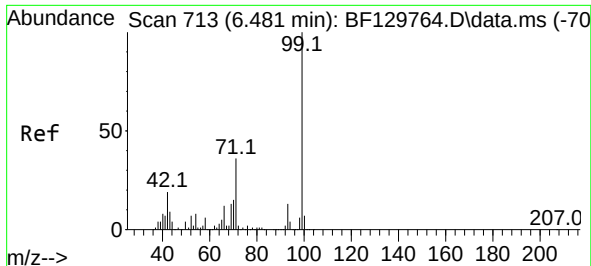


#5
2-Fluorophenol
Concen: 99.040 ng
RT: 5.387 min Scan# 527
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



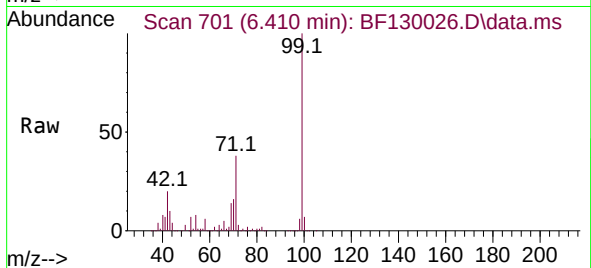
Tgt Ion:112 Resp: 667760
Ion Ratio Lower Upper
112 100
64 61.3 47.6 71.4
63 33.8 24.6 37.0





#7
Phenol-d6
Concen: 98.445 ng
RT: 6.410 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

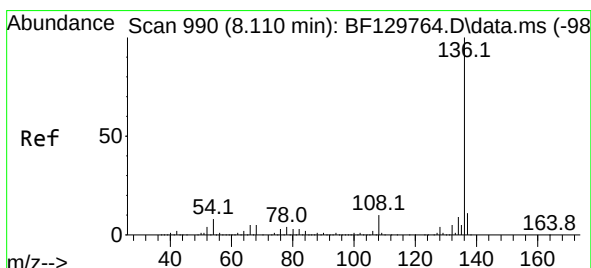
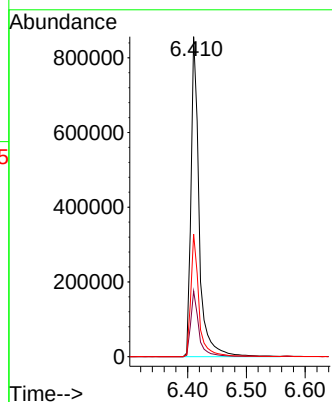
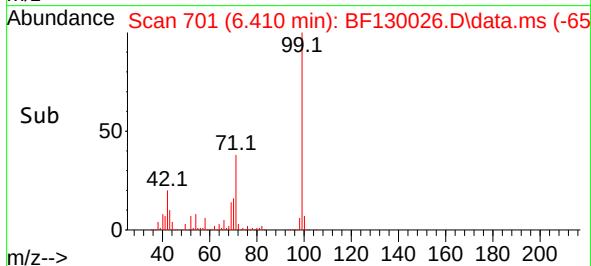
Instrument :
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ClientSampleId :
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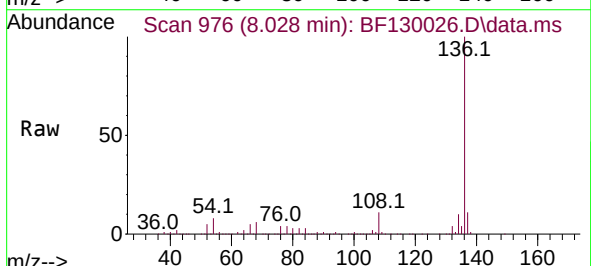
Tgt Ion: 99 Resp: 831203
Ion Ratio Lower Upper
99 100
42 20.5 15.0 22.4
71 38.3 28.8 43.2

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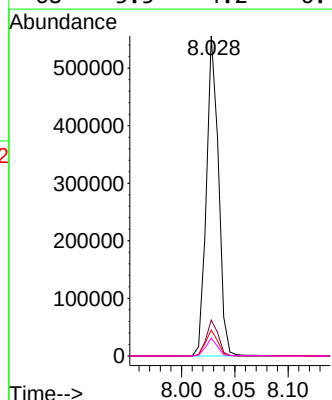
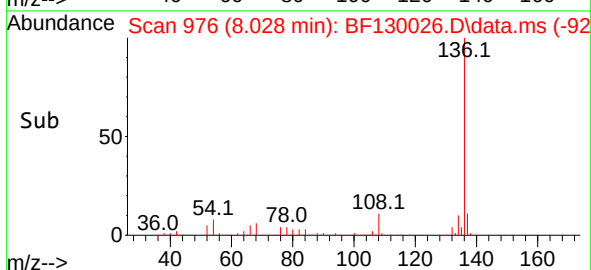
Reviewed By :Christian Giraldo 08/29/2022
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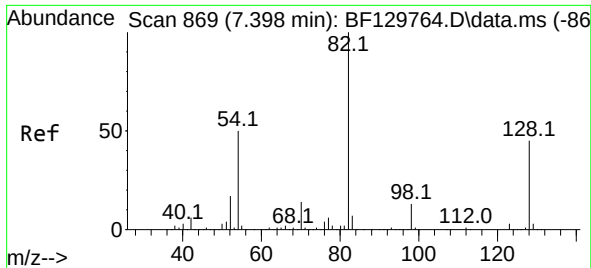


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 976
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



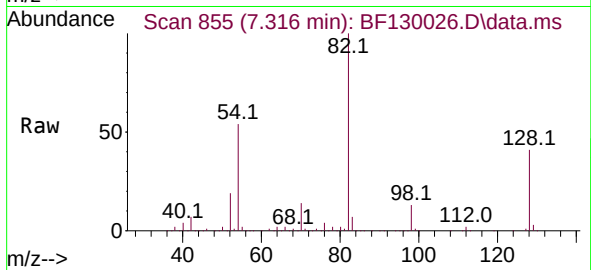
Tgt Ion:136 Resp: 437573
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 8.1 6.2 9.2
68 5.5 4.2 6.4





#23
Nitrobenzene-d5
Concen: 65.488 ng
RT: 7.316 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

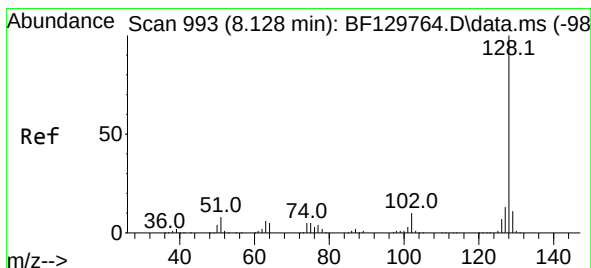
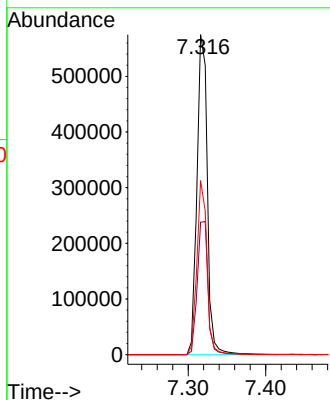
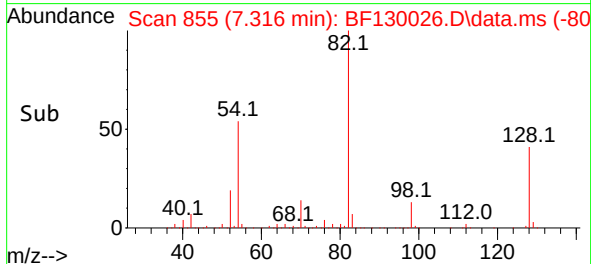
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion: 82 Resp: 535300
Ion Ratio Lower Upper
82 100
128 41.4 36.1 54.1
54 54.4 40.0 60.0

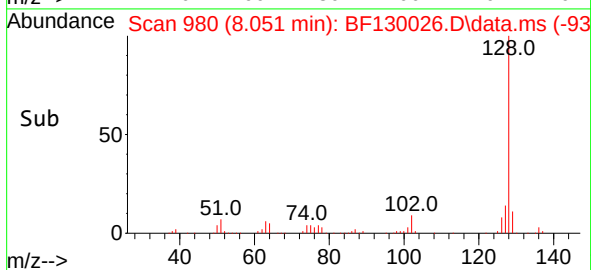
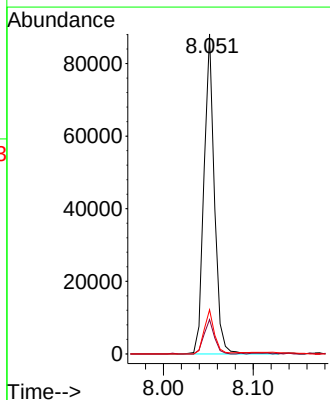
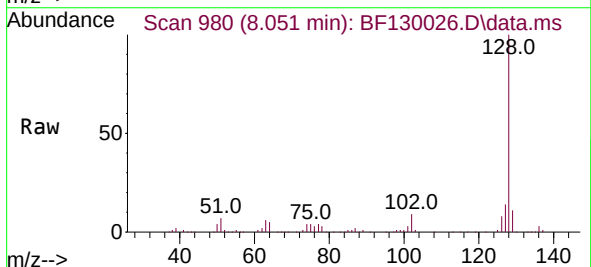
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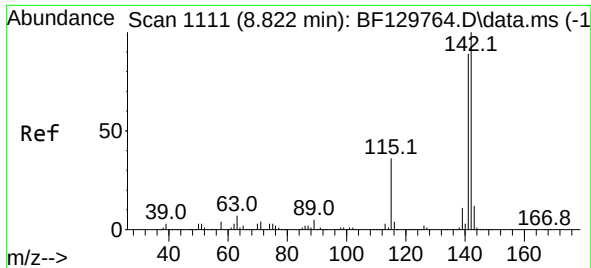
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#31
Naphthalene
Concen: 3.106 ng
RT: 8.051 min Scan# 980
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

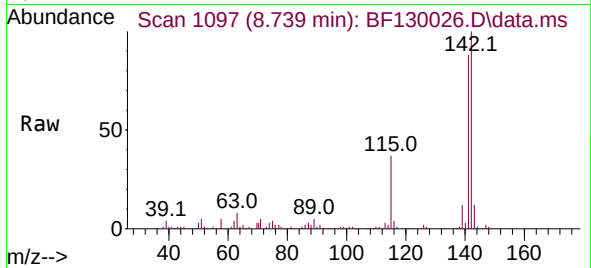
Tgt Ion:128 Resp: 71056
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.8 10.7 16.1





#37
2-Methylnaphthalene
Concen: 3.289 ng
RT: 8.739 min Scan# 1097
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

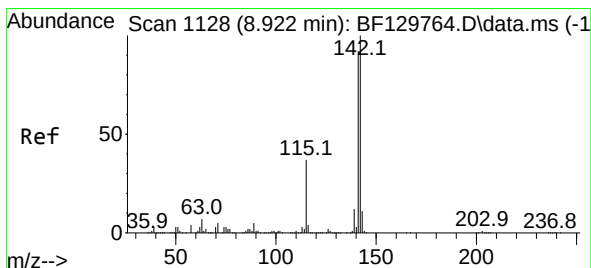
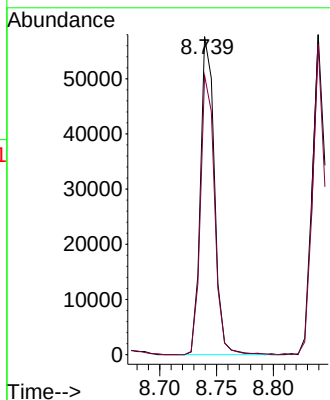
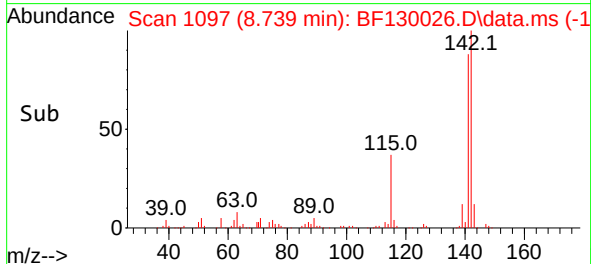
Instrument :
BNA_F
ClientSampleId :
B-3



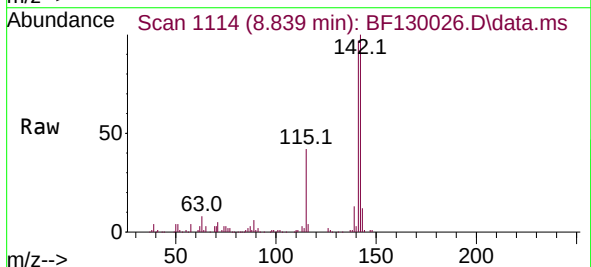
Tgt Ion:142 Resp: 49382
Ion Ratio Lower Upper
142 100
141 87.7 70.9 106.3

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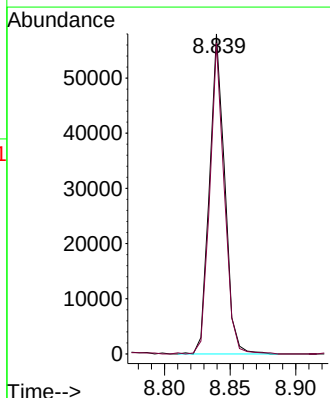
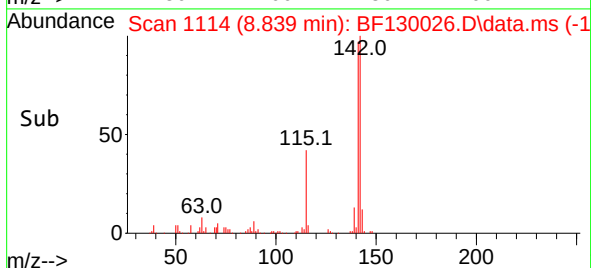
Reviewed By :Christian Giraldo 08/29/2022
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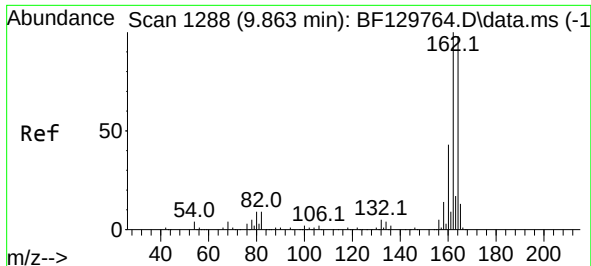


#38
1-Methylnaphthalene
Concen: 3.194 ng
RT: 8.839 min Scan# 1114
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



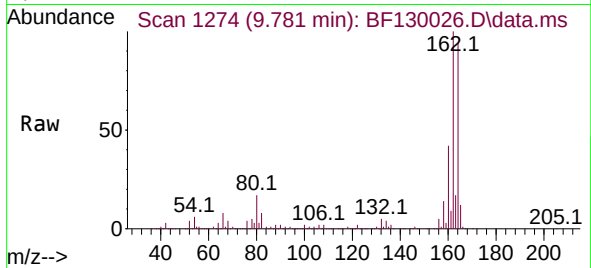
Tgt Ion:142 Resp: 46611
Ion Ratio Lower Upper
142 100
141 97.0 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.781 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

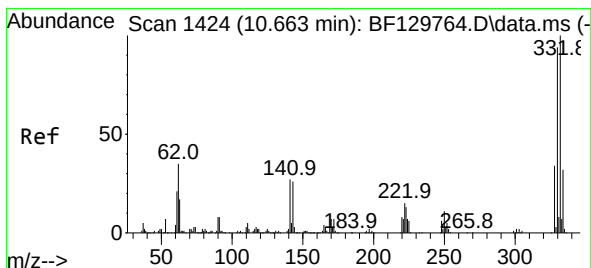
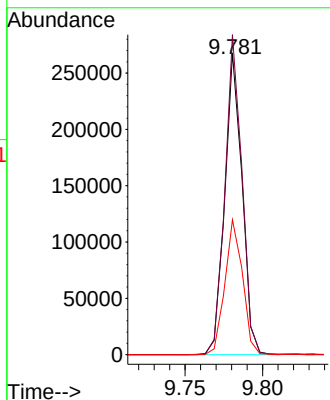
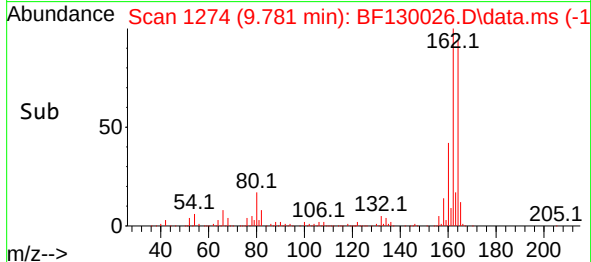
Instrument :
BNA_F
ClientSampleId :
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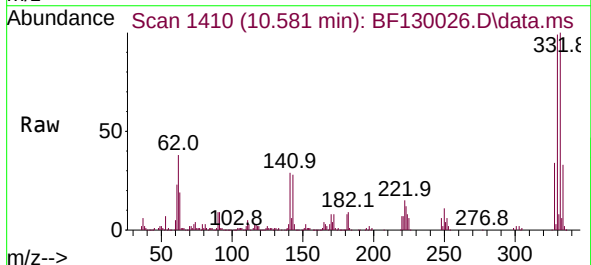
Tgt Ion:164 Resp: 207562
Ion Ratio Lower Upper
164 100
162 106.0 82.0 123.0
160 44.7 35.4 53.0

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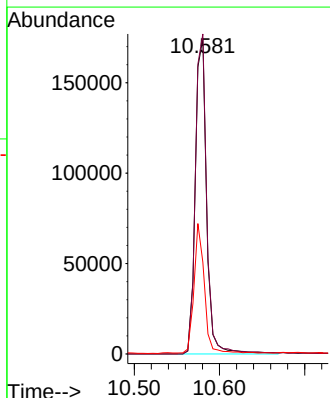
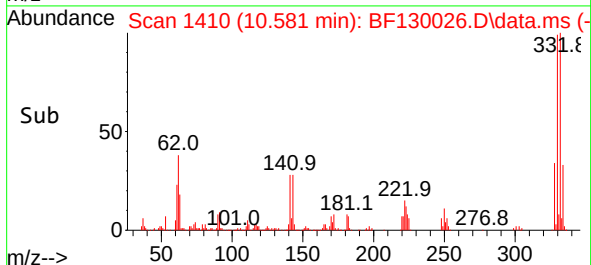
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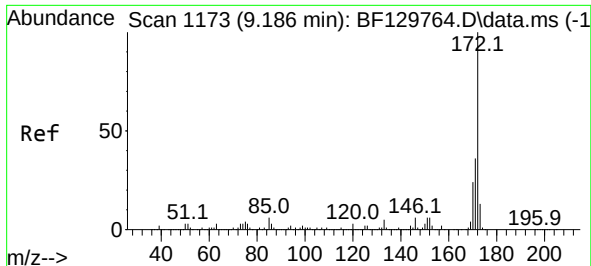


#42
2,4,6-Tribromophenol
Concen: 77.299 ng
RT: 10.581 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



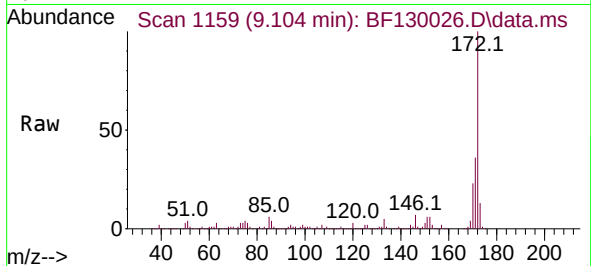
Tgt Ion:330 Resp: 161032
Ion Ratio Lower Upper
330 100
332 101.9 82.6 124.0
141 37.3 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 70.872 ng
RT: 9.104 min Scan# 1173
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

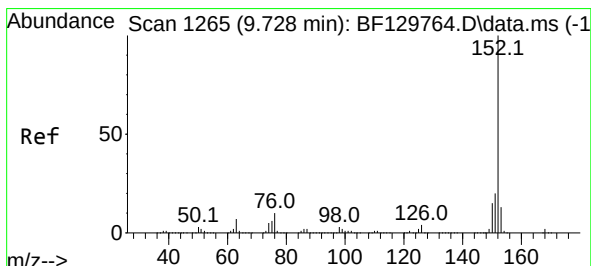
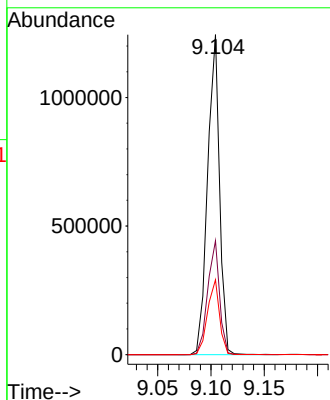
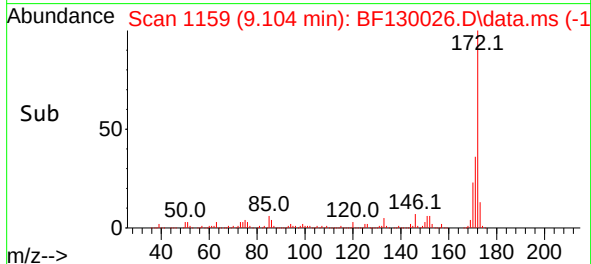
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Tgt Ion:172 Resp: 968569
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.4 19.1 28.7

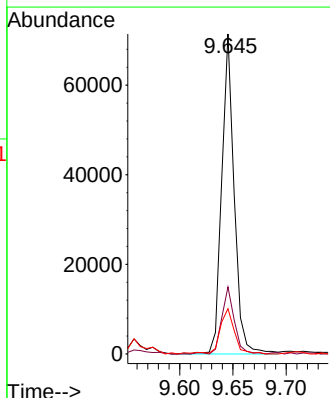
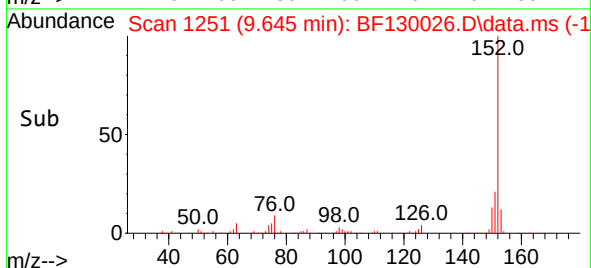
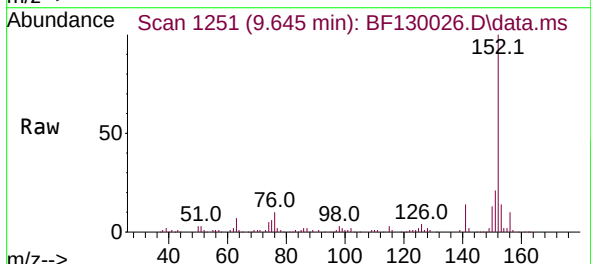
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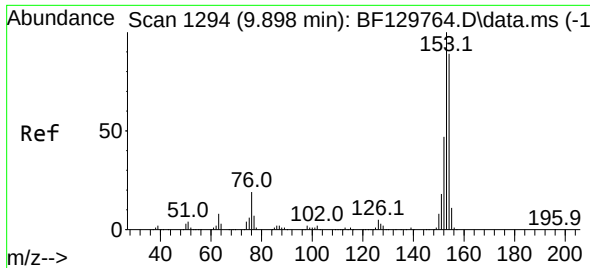
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#49
Acenaphthylene
Concen: 3.088 ng
RT: 9.645 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

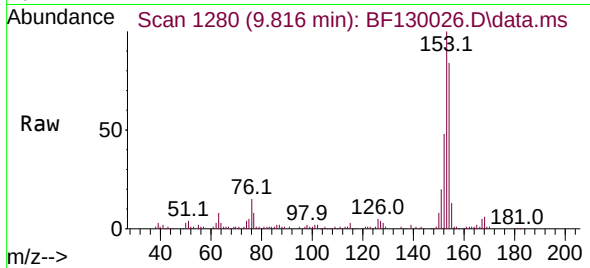
Tgt Ion:152 Resp: 58422
Ion Ratio Lower Upper
152 100
151 20.9 16.1 24.1
153 14.1 10.6 16.0





#52
Acenaphthene
Concen: 2.645 ng
RT: 9.816 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

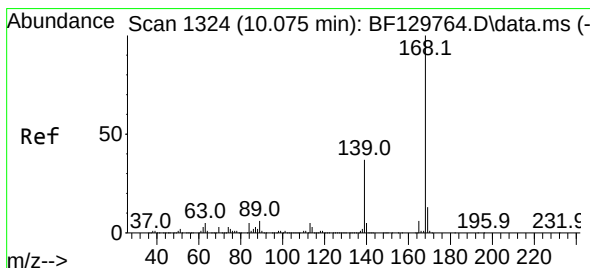
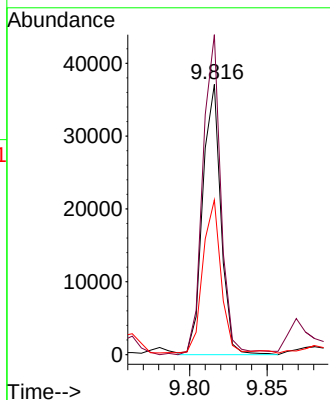
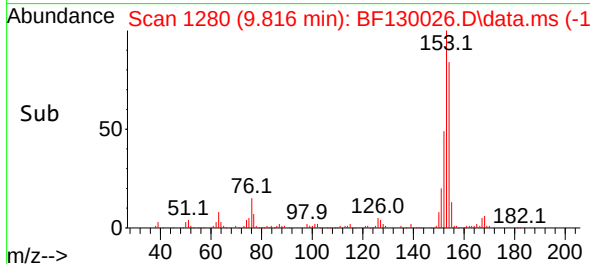
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion:154 Resp: 30359
Ion Ratio Lower Upper
154 100
153 118.4 89.8 134.6
152 57.2 42.1 63.1

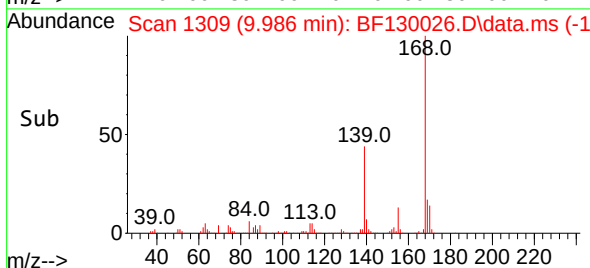
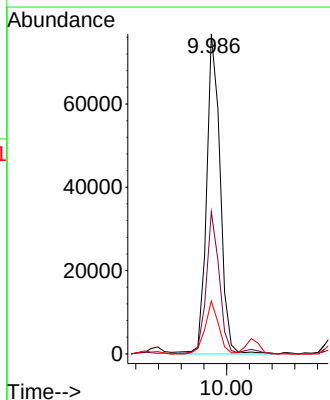
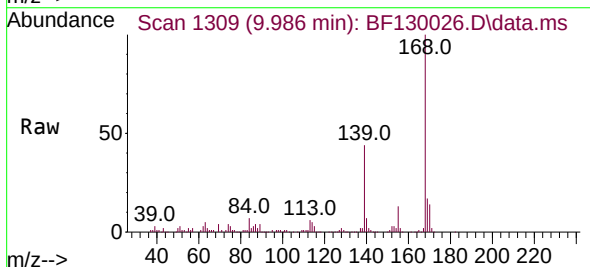
Manual Integrations
APPROVED

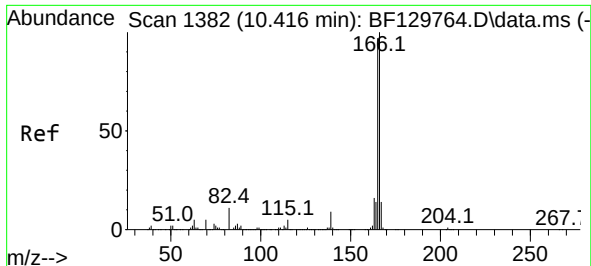
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#55
Dibenzofuran
Concen: 3.703 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

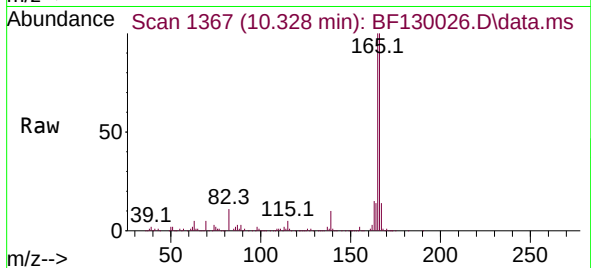
Tgt Ion:168 Resp: 63852
Ion Ratio Lower Upper
168 100
139 44.4 31.3 46.9
169 16.5 10.7 16.1#





#58
Fluorene
Concen: 9.223 ng
RT: 10.328 min Scan# 1382
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

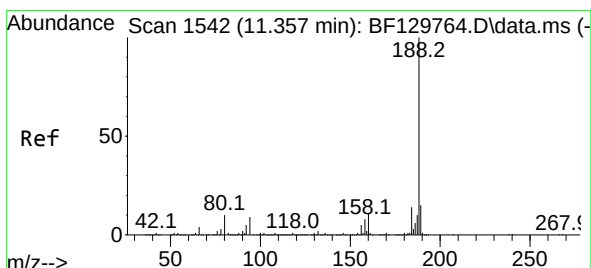
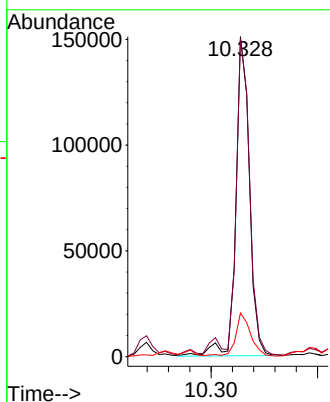
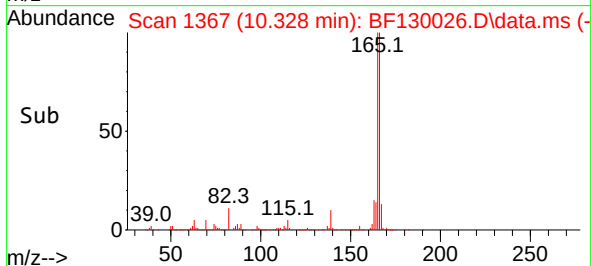
Instrument :
BNA_F
ClientSampleId :
B-3



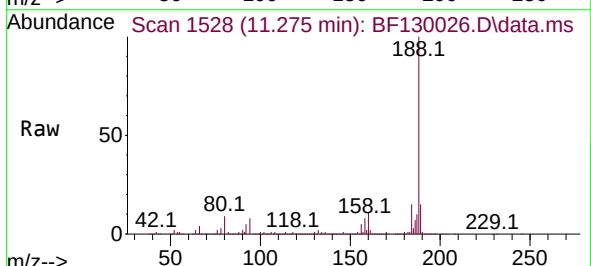
Tgt Ion:166 Resp: 132796
Ion Ratio Lower Upper
166 100
165 99.5 77.9 116.9
167 13.6 11.0 16.4

Manual Integrations
APPROVED

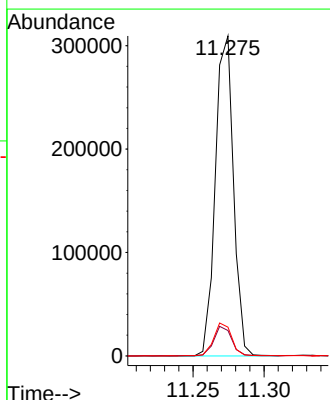
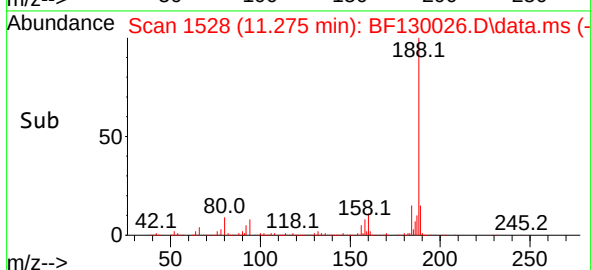
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

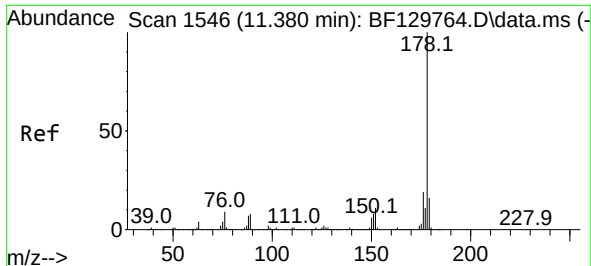


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1528
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



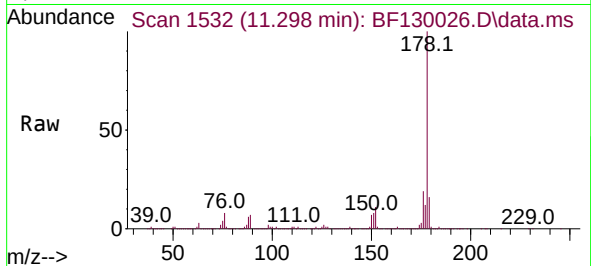
Tgt Ion:188 Resp: 275702
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.2
80 9.0 7.9 11.9





#71
Phenanthrene
Concen: 49.754 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

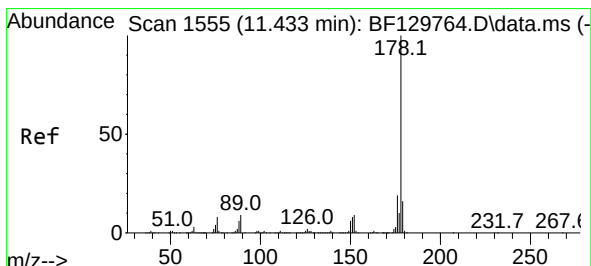
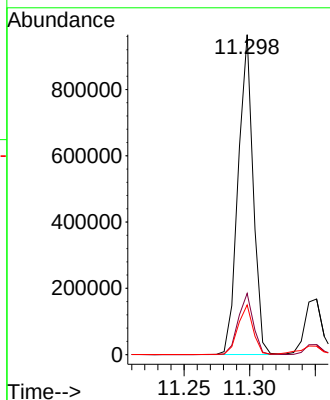
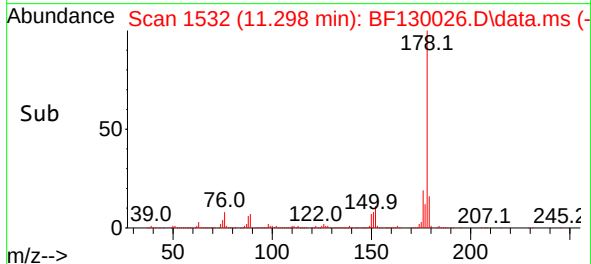
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion:178 Resp: 766099
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.5 12.5 18.7

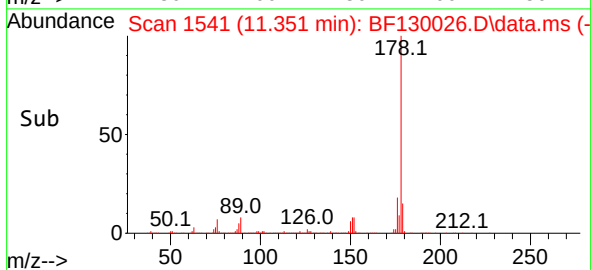
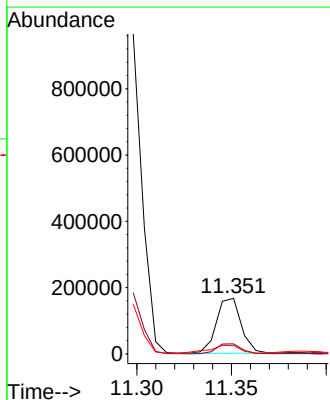
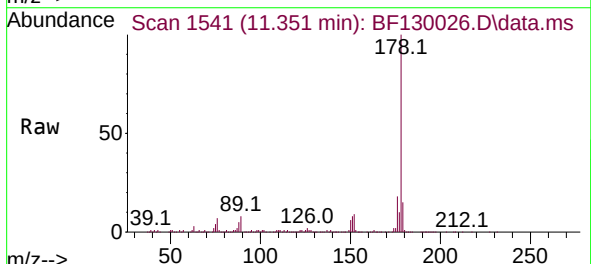
Manual Integrations
APPROVED

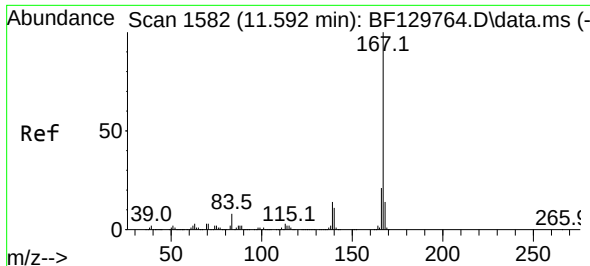
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#72
Anthracene
Concen: 9.898 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

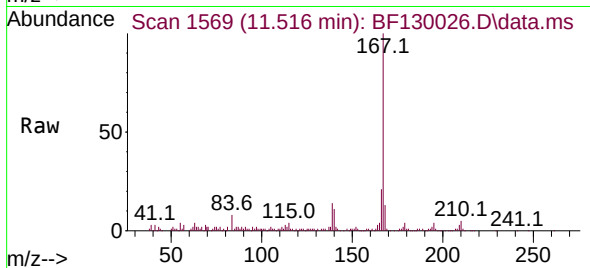
Tgt Ion:178 Resp: 151567
Ion Ratio Lower Upper
178 100
176 18.0 15.1 22.7
179 15.2 12.6 18.8





#73
 Carbazole
 Concen: 3.816 ng
 RT: 11.516 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF130026.D
 Acq: 26 Aug 2022 19:09

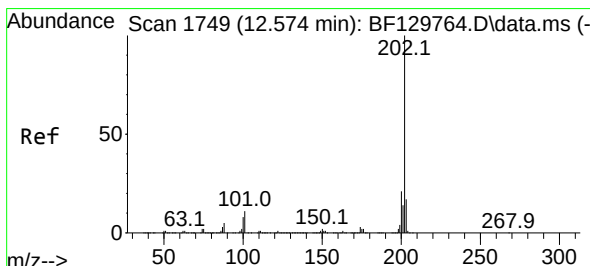
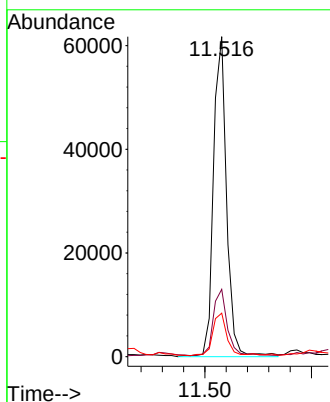
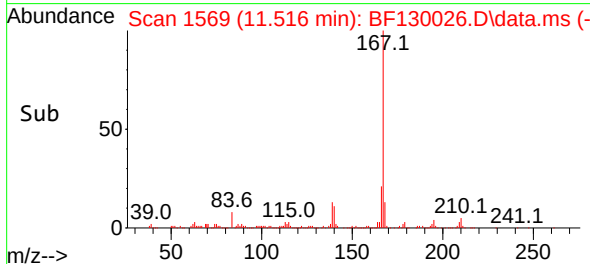
Instrument :
 BNA_F
 ClientSampleId :
 B-3



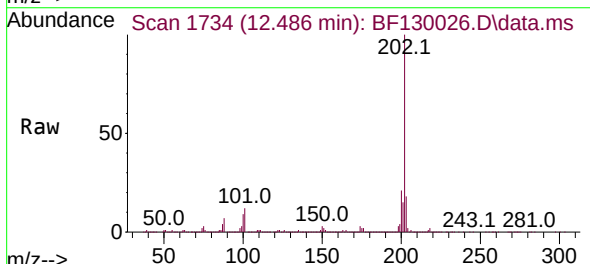
Tgt Ion:167 Resp: 53040
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.1 25.7
 139 13.6 11.0 16.6

Manual Integrations
 APPROVED

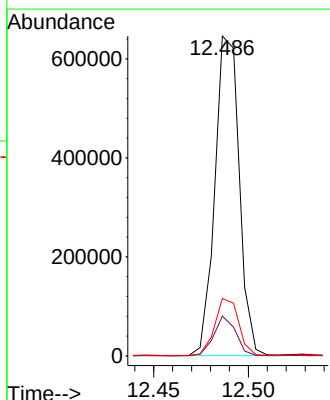
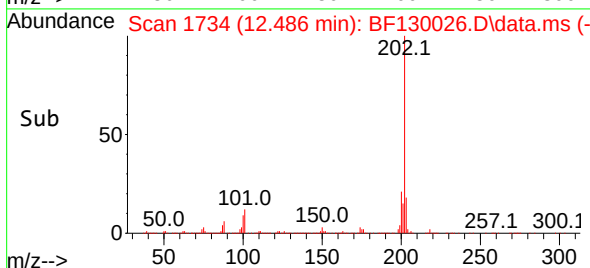
Reviewed By :Christian Giraldo 08/29/2022
 Supervised By :Jagrut Upadhyay 08/29/2022

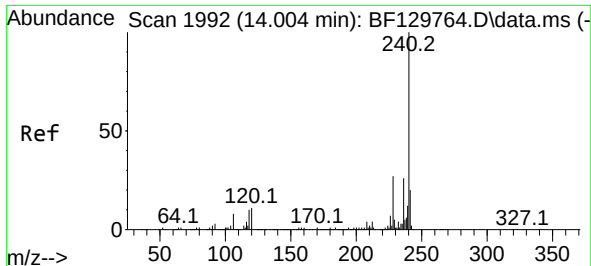


#75
 Fluoranthene
 Concen: 36.730 ng
 RT: 12.486 min Scan# 1734
 Delta R.T. -0.012 min
 Lab File: BF130026.D
 Acq: 26 Aug 2022 19:09



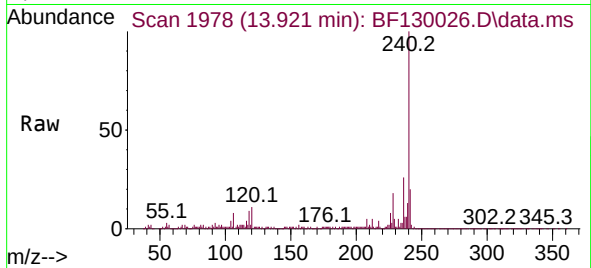
Tgt Ion:202 Resp: 578729
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 30.7
 203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 1992
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

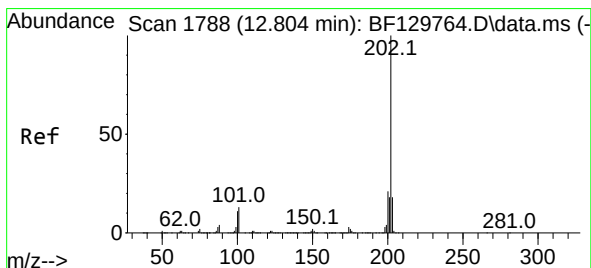
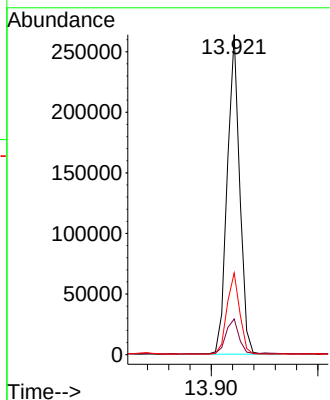
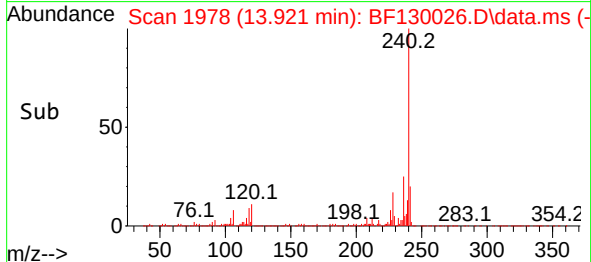
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion:240 Resp: 215529
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 25.6 20.7 31.1

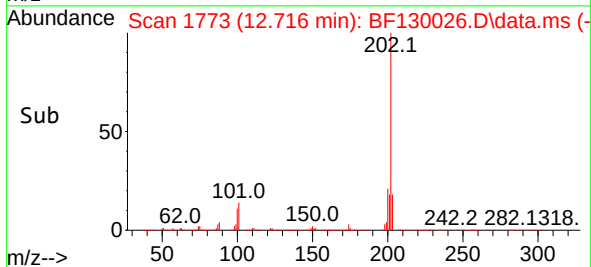
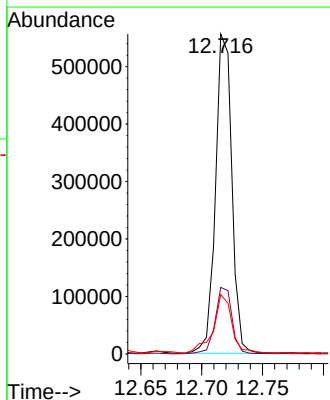
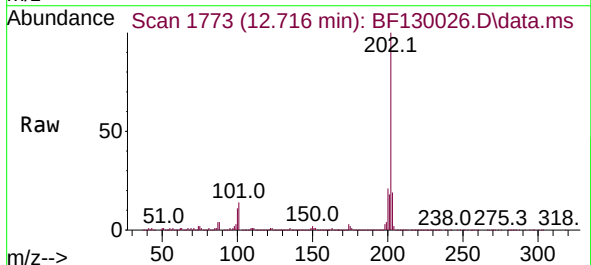
Manual Integrations
APPROVED

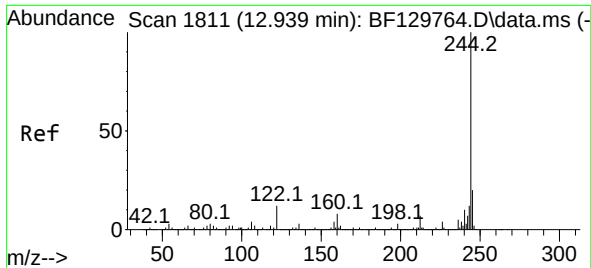
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#78
Pyrene
Concen: 27.715 ng
RT: 12.716 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

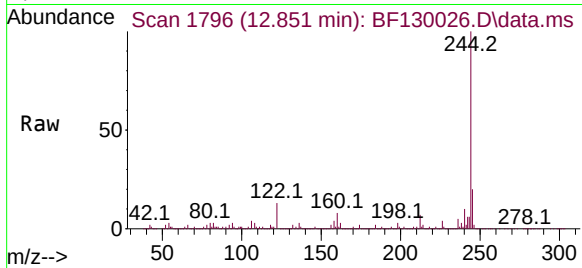
Tgt Ion:202 Resp: 519080
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.6
203 18.5 14.1 21.1





#79
Terphenyl-d14
Concen: 55.279 ng
RT: 12.851 min Scan# 1796
Delta R.T. -0.012 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

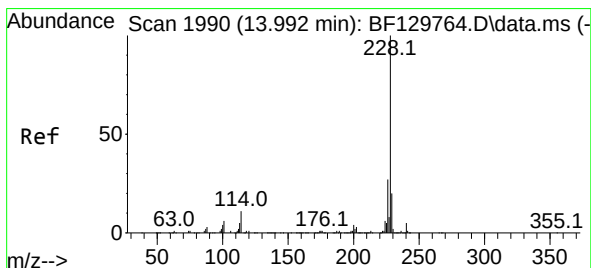
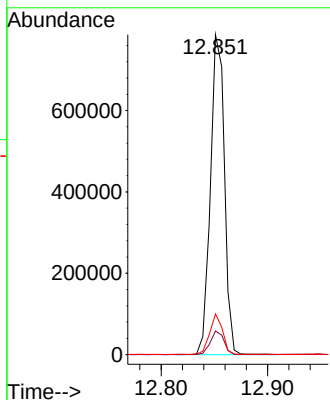
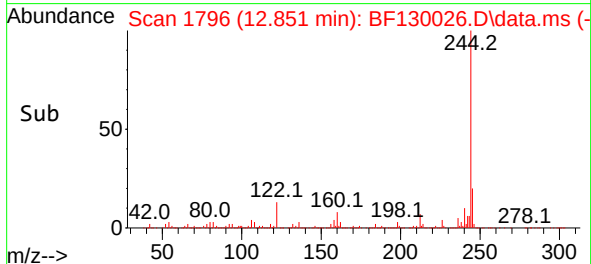
Instrument :
BNA_F
ClientSampleId :
B-3



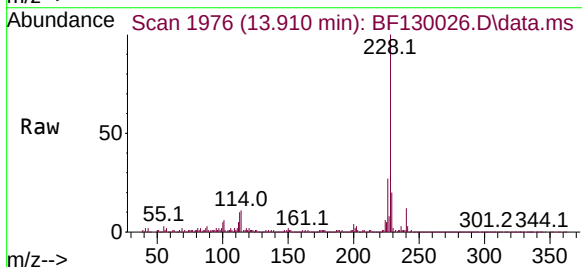
Tgt Ion:244 Resp: 716028
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 12.7 9.9 14.9

Manual Integrations
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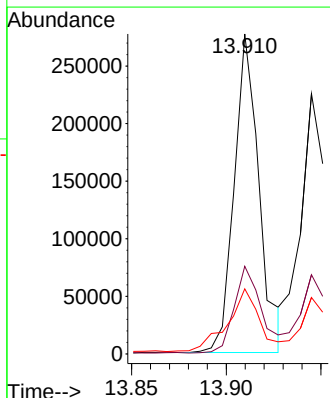
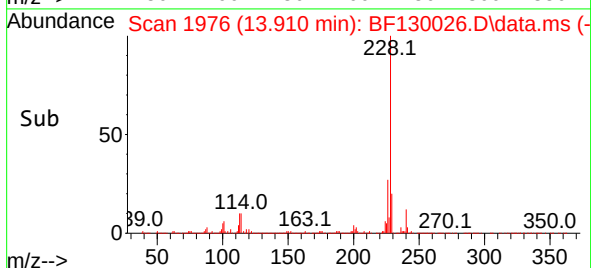
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

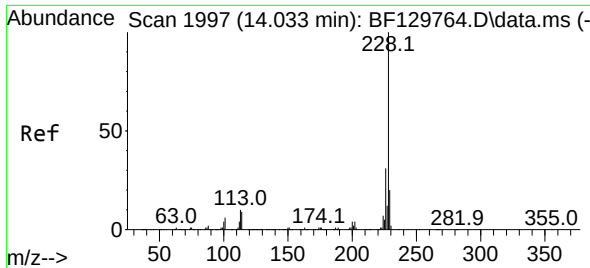


#81
Benzo(a)anthracene
Concen: 17.052 ng
RT: 13.910 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



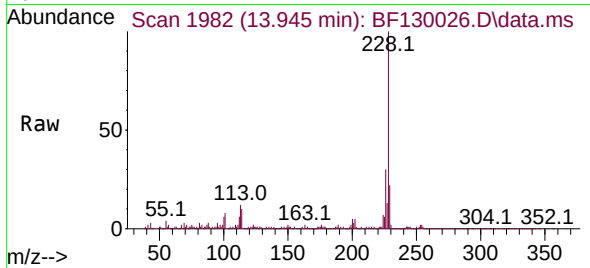
Tgt Ion:228 Resp: 252823
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 20.3 16.1 24.1





#83
Chrysene
Concen: 15.046 ng
RT: 13.945 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

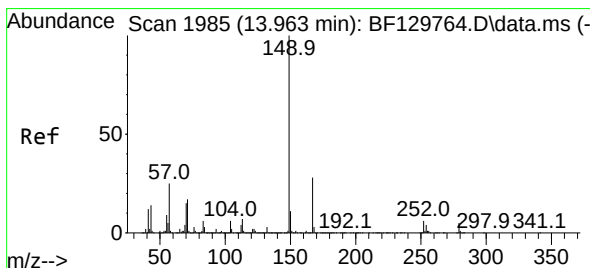
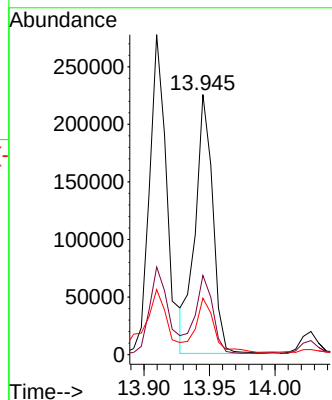
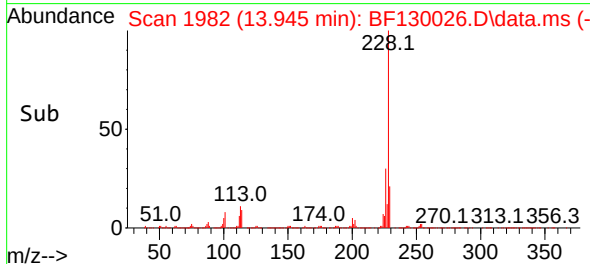
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion:228 Resp: 208822
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 21.7 15.9 23.9

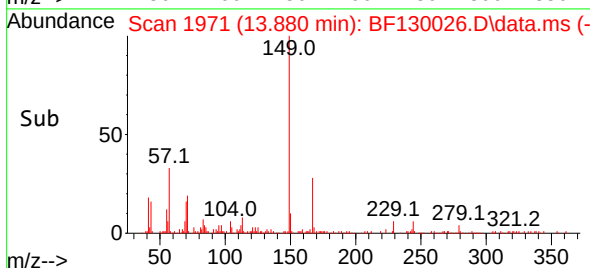
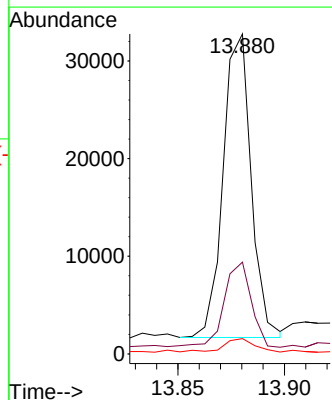
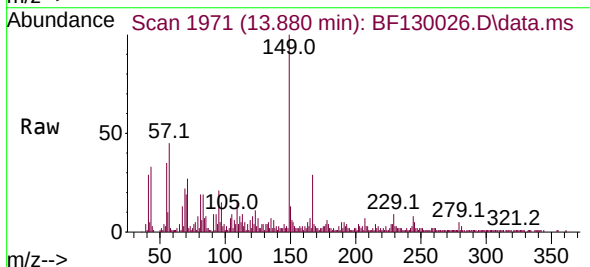
Manual Integrations
APPROVED

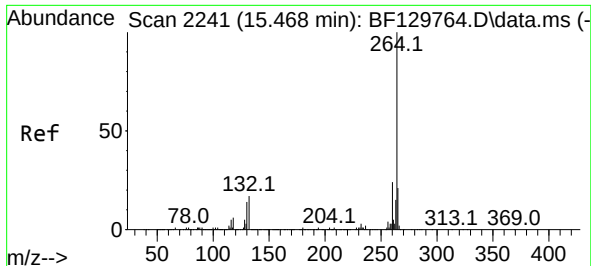
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.017 ng
RT: 13.880 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

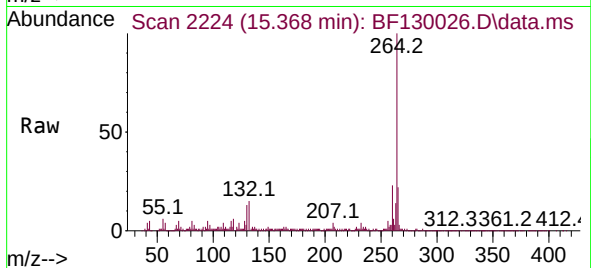
Tgt Ion:149 Resp: 28371
Ion Ratio Lower Upper
149 100
167 28.7 22.0 33.0
279 4.8 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.368 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

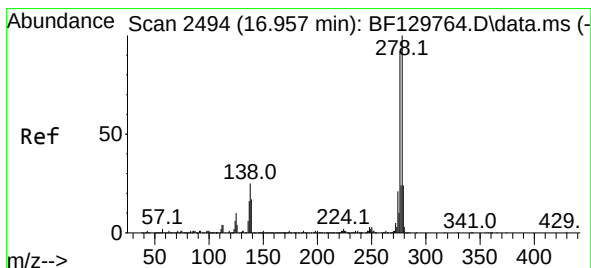
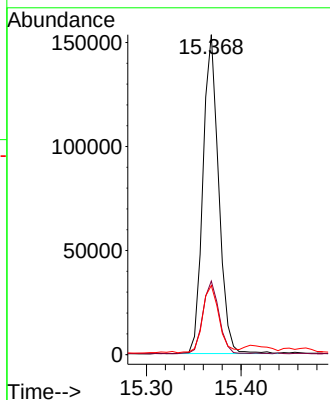
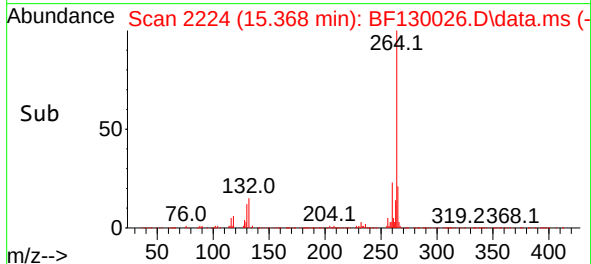
Instrument :
BNA_F
ClientSampleId :
B-3



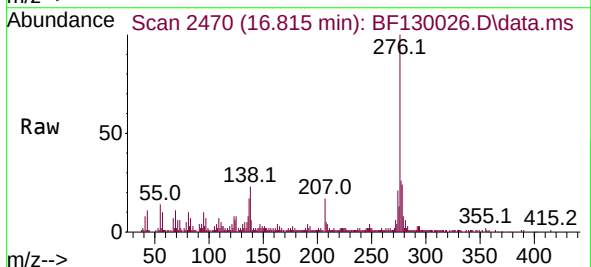
Tgt Ion:264 Resp: 17685
Ion Ratio Lower Upper
264 100
260 23.0 19.1 28.7
265 21.6 16.7 25.1

Manual Integrations
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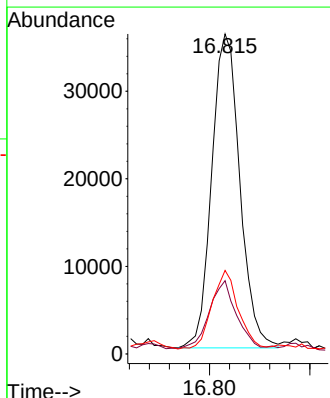
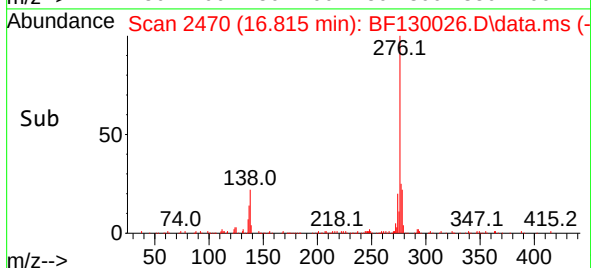
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

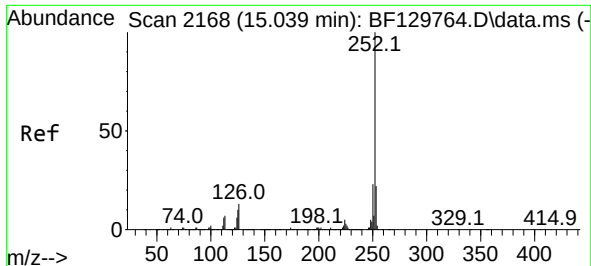


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.765 ng
RT: 16.815 min Scan# 2470
Delta R.T. 0.000 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



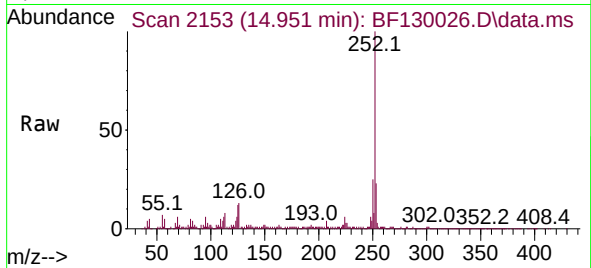
Tgt Ion:276 Resp: 69992
Ion Ratio Lower Upper
276 100
138 21.3 19.8 29.8
277 23.5 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 18.268 ng m
RT: 14.951 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

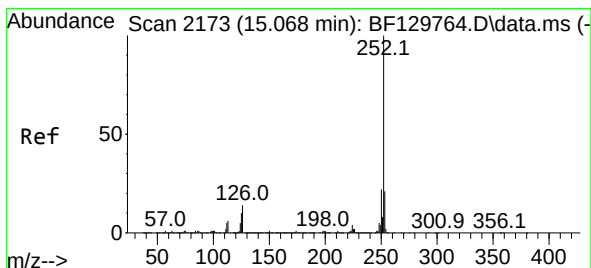
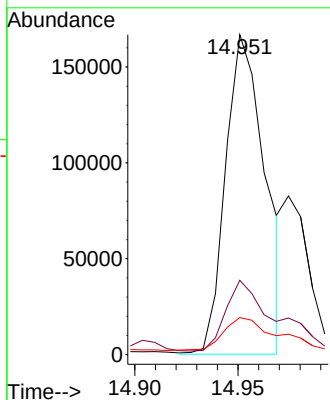
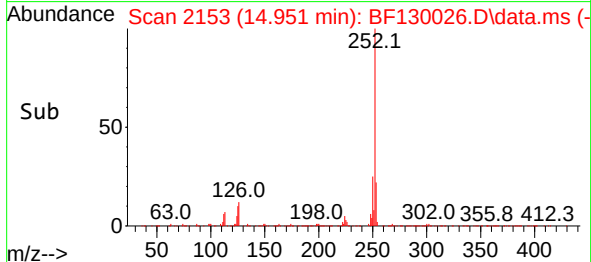
Instrument :
BNA_F
ClientSampleId :
B-3



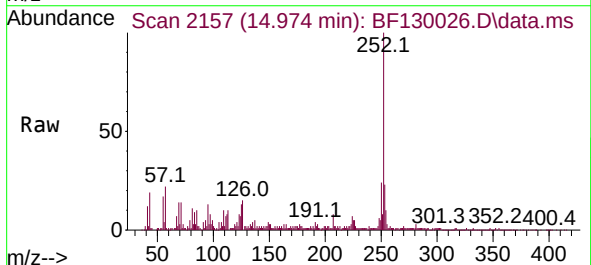
Tgt Ion:252 Resp: 221230
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.6 8.3 12.5

Manual Integrations
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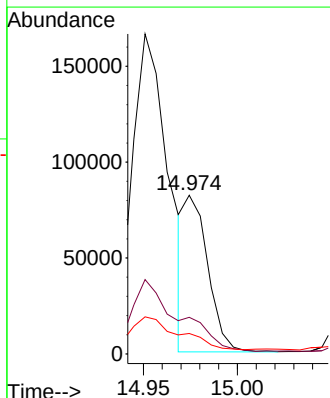
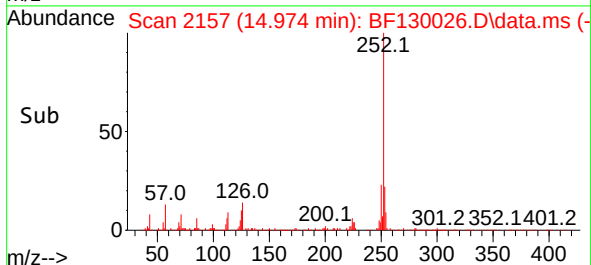
Reviewed By :Christian Giraldo 08/29/2022
Supervised By :Jagrut Upadhyay 08/29/2022

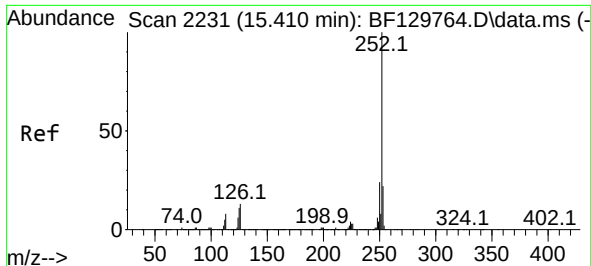


#89
Benzo(k)fluoranthene
Concen: 6.078 ng m
RT: 14.974 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09



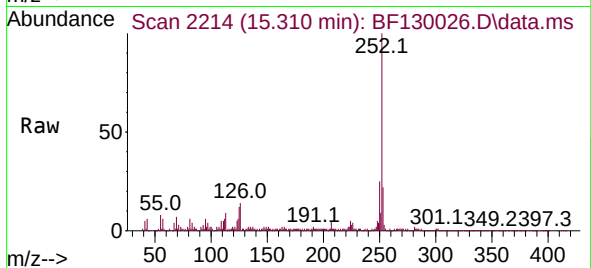
Tgt Ion:252 Resp: 70590
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 12.9 8.3 12.5





#90
Benzo(a)pyrene
Concen: 15.204 ng
RT: 15.310 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

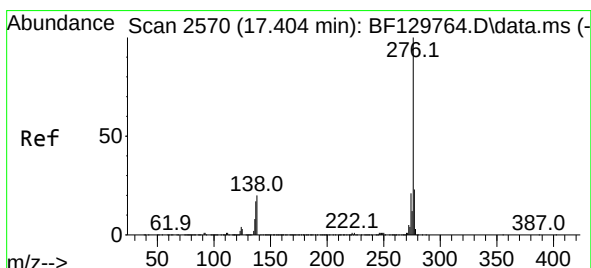
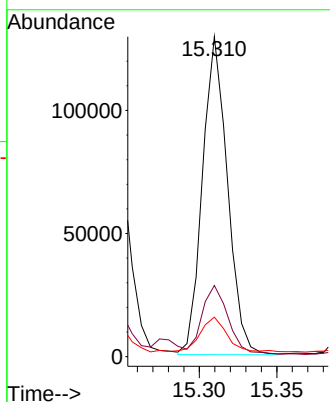
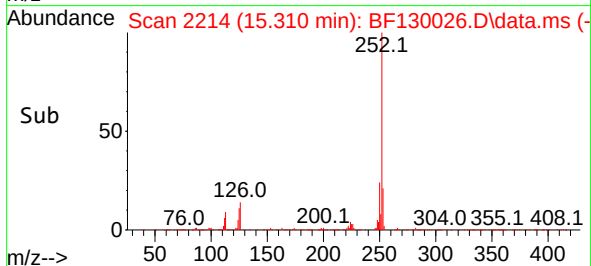
Instrument :
BNA_F
ClientSampleId :
B-3



Tgt Ion: 252 Resp: 144991
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 12.3 8.8 13.2

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 08/29/2022
Supervised By : Jagrut Upadhyay 08/29/2022



#92
Benzo(g,h,i)perylene
Concen: 6.716 ng
RT: 17.251 min Scan# 2544
Delta R.T. 0.006 min
Lab File: BF130026.D
Acq: 26 Aug 2022 19:09

Tgt Ion: 276 Resp: 67125
Ion Ratio Lower Upper
276 100
277 25.9 18.2 27.4
138 21.4 15.8 23.8

