

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131445.D
 Acq On : 28 Nov 2022 23:41
 Operator : CG\JU
 Sample : N5752-15 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14S

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022

Quant Time: Nov 29 01:00:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	90141	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	310838	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	187855	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	222636	20.000	ng	# 0.02
76) Chrysene-d12	14.227	240	117747	20.000	ng	# 0.06
86) Perylene-d12	15.786	264	122745	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	236886	50.016	ng	0.00
7) Phenol-d6	6.569	99	337637	55.873	ng	0.00
23) Nitrobenzene-d5	7.516	82	164144	26.619	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	70304	44.484	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	300935	23.306	ng	0.00
79) Terphenyl-d14	13.145	244	201820	28.029	ng	0.04
Target Compounds						Qvalue
31) Naphthalene	8.263	128	75841	4.579	ng	99
37) 2-Methylnaphthalene	8.957	142	41183	3.669	ng	94
52) Acenaphthene	10.039	154	62038	5.651	ng	94
55) Dibenzofuran	10.216	168	55438	3.510	ng	97
58) Fluorene	10.563	166	78093	6.336	ng	99
71) Phenanthrene	11.545	178	553026	45.963	ng	97
72) Anthracene	11.598	178	149074m	12.607	ng	
73) Carbazole	11.751	167	57639	5.714	ng	# 63
75) Fluoranthene	12.775	202	511892	40.375	ng	95
78) Pyrene	13.010	202	511265m	49.214	ng	
81) Benzo(a)anthracene	14.216	228	246500	30.542	ng	# 87
83) Chrysene	14.251	228	234095	29.563	ng	# 87
84) Bis(2-ethylhexyl)phtha...	14.180	149	42587	12.213	ng	# 66
87) Indeno(1,2,3-cd)pyrene	17.357	276	184924	22.431	ng	98
88) Benzo(b)fluoranthene	15.321	252	343369m	42.109	ng	
89) Benzo(k)fluoranthene	15.351	252	104509m	12.472	ng	
90) Benzo(a)pyrene	15.715	252	228537	34.157	ng	# 79
91) Dibenzo(a,h)anthracene	17.368	278	46372	6.813	ng	# 57
92) Benzo(g,h,i)perylene	17.833	276	204946	30.169	ng	94

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

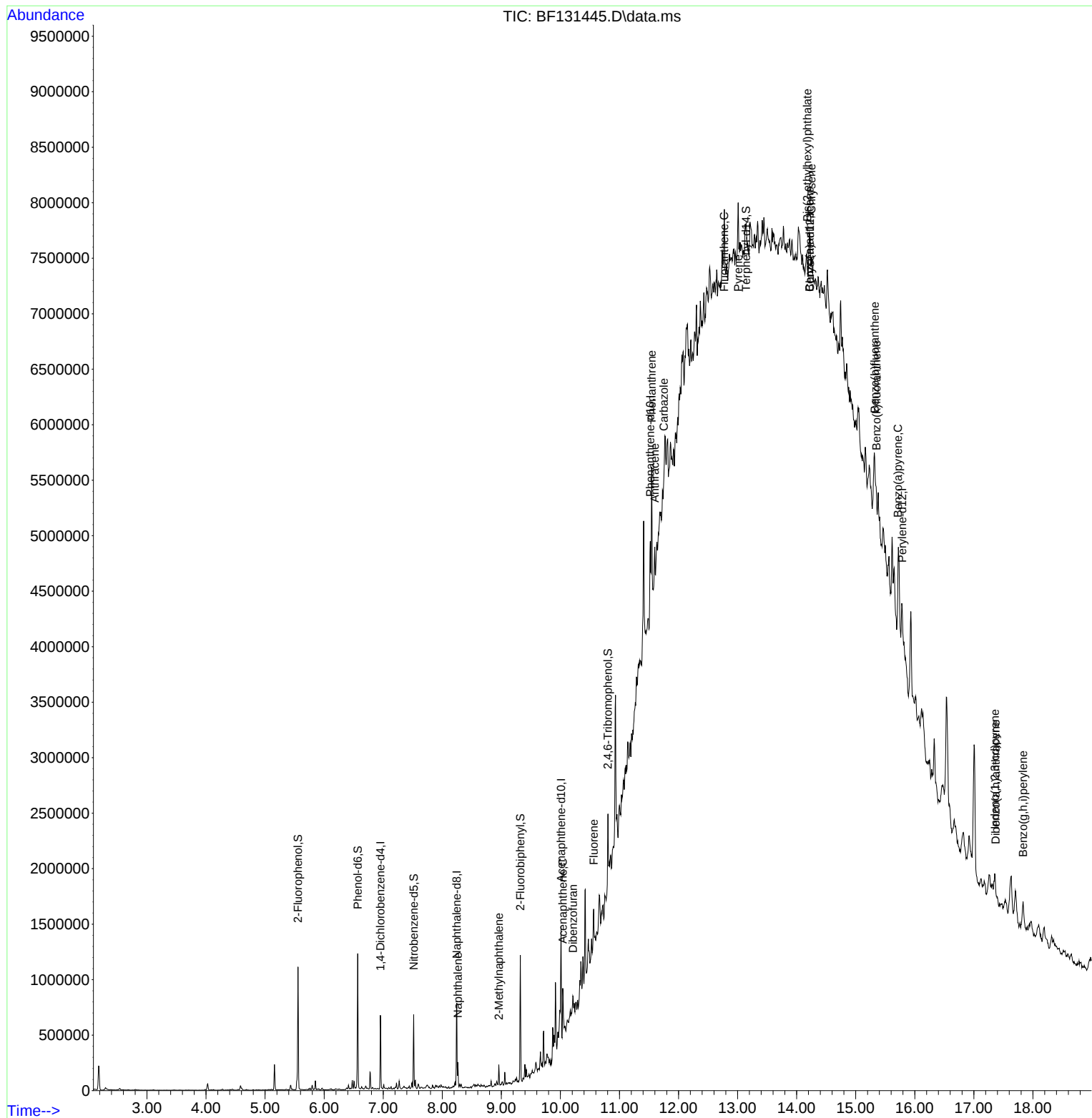
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131445.D
Acq On : 28 Nov 2022 23:41
Operator : CG\JU
Sample : N5752-15 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

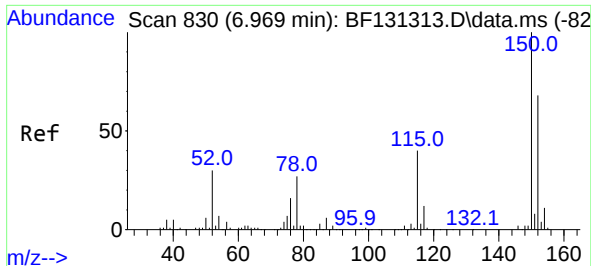
Instrument :
BNA_F
ClientSampleId :
B-14S

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

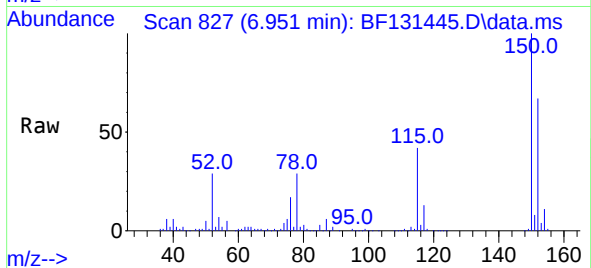
Quant Time: Nov 29 01:00:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

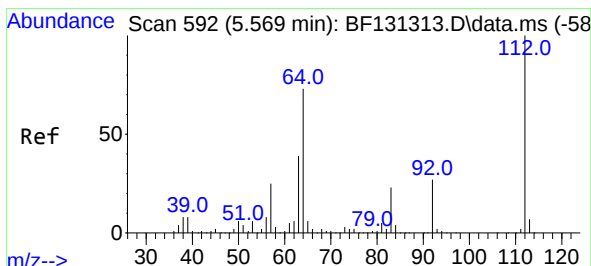
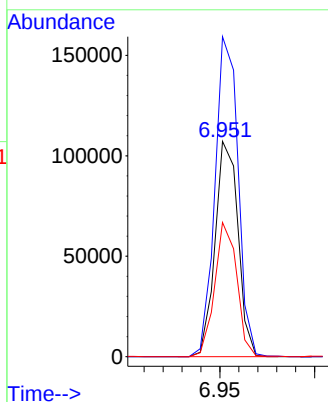
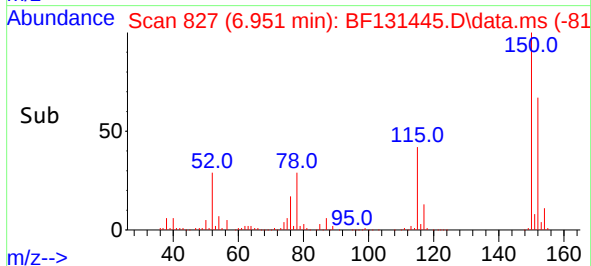
Instrument :
BNA_F
ClientSampleId :
B-14S



Tgt Ion:152 Resp: 9014
Ion Ratio Lower Upper
152 100
150 148.6 117.8 176.8
115 62.4 47.1 70.7

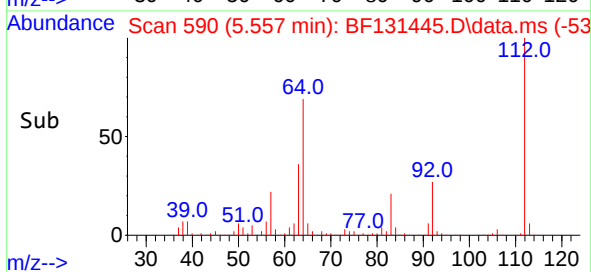
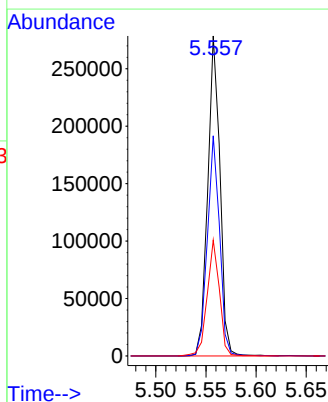
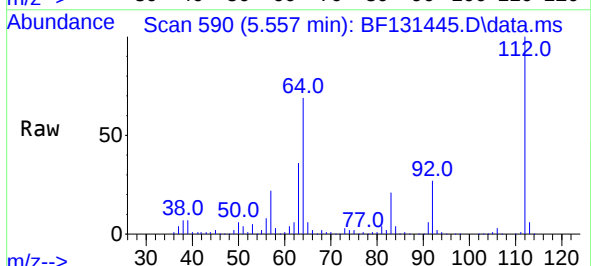
Manual Integrations
APPROVED

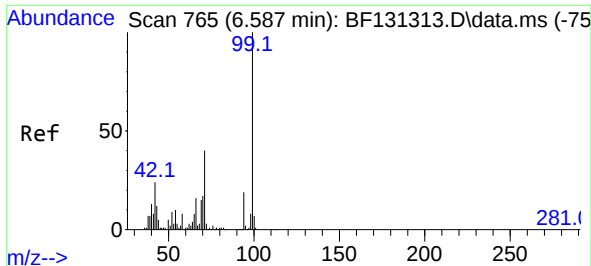
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#5
2-Fluorophenol
Concen: 50.016 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

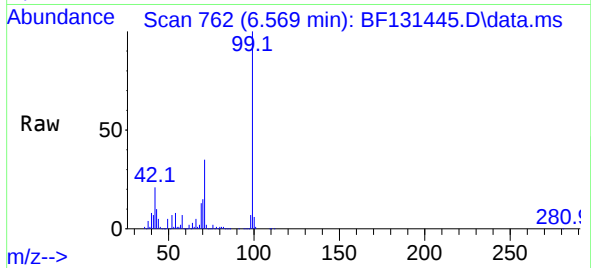
Tgt Ion:112 Resp: 236886
Ion Ratio Lower Upper
112 100
64 68.8 58.6 88.0
63 36.2 31.4 47.0





#7
Phenol-d6
Concen: 55.873 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

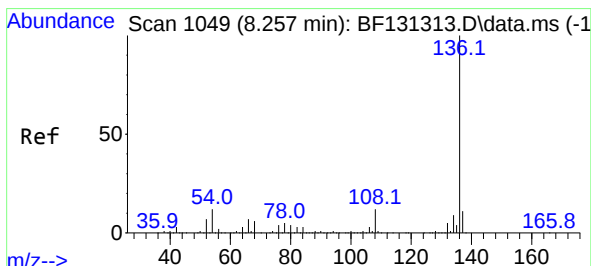
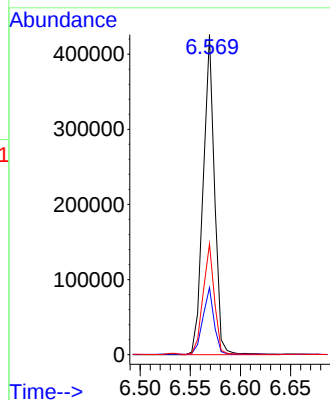
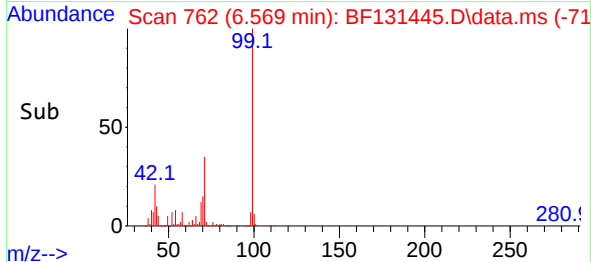
Instrument :
BNA_F
ClientSampleId :
B-14S



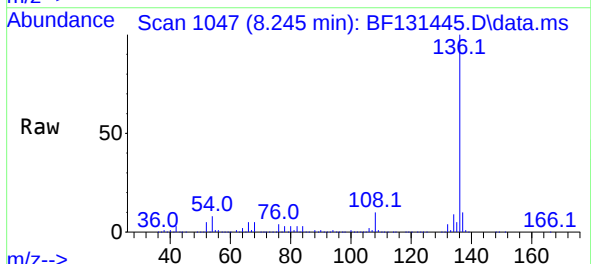
Tgt Ion: 99 Resp: 33763
Ion Ratio Lower Upper
99 100
42 20.9 19.4 29.2
71 34.6 32.3 48.5

Manual Integrations
APPROVED

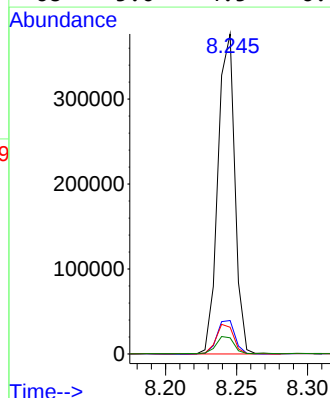
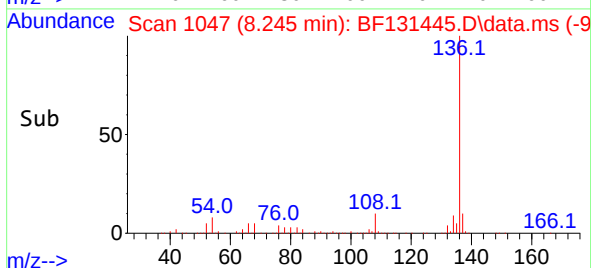
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

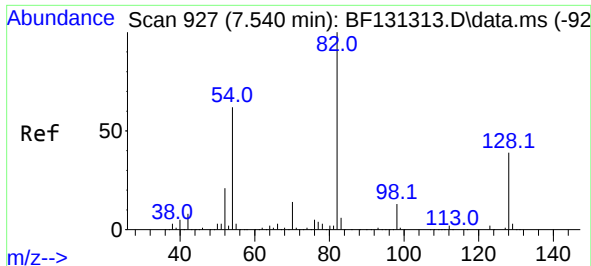


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



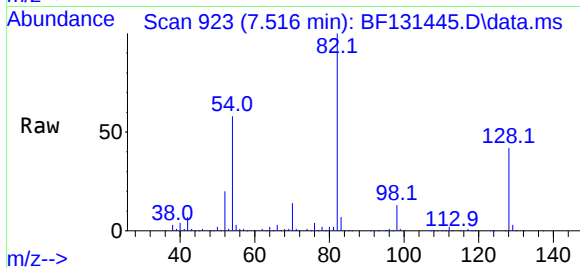
Tgt Ion:136 Resp: 310838
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 8.3 9.4 14.0#
68 5.0 4.5 6.7





#23
Nitrobenzene-d5
Concen: 26.619 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

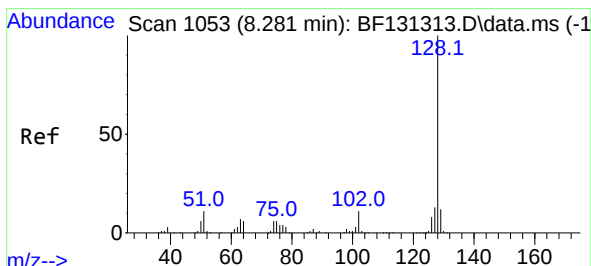
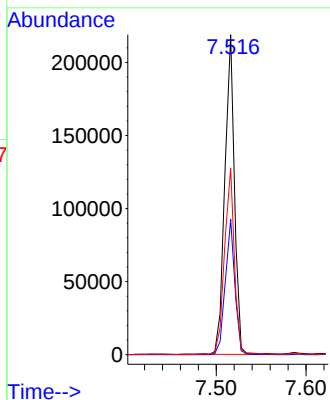
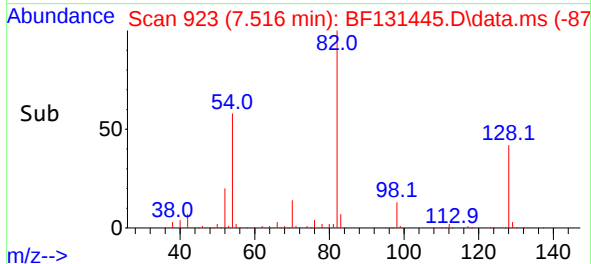
Instrument :
BNA_F
ClientSampleId :
B-14S



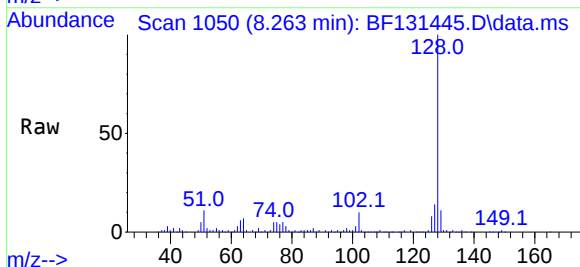
Tgt Ion: 82 Resp: 164144
Ion Ratio Lower Upper
82 100
128 42.3 31.4 47.0
54 58.3 49.8 74.6

Manual Integrations
APPROVED

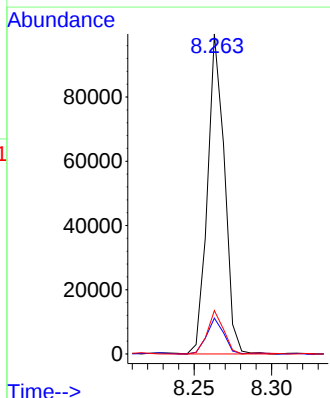
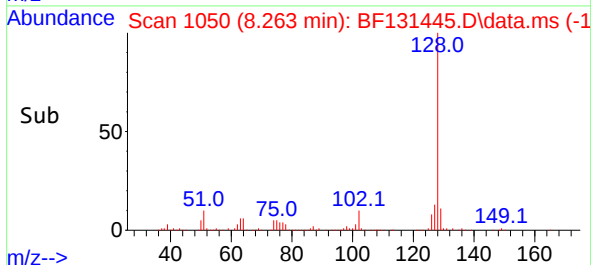
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

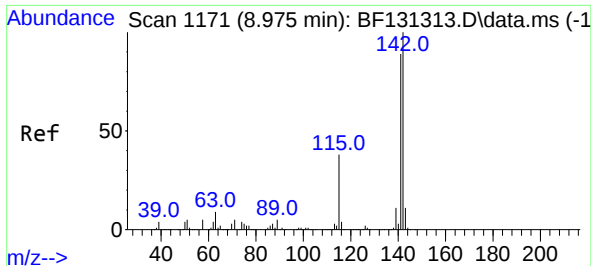


#31
Naphthalene
Concen: 4.579 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.006 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



Tgt Ion:128 Resp: 75841
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.5 10.6 16.0





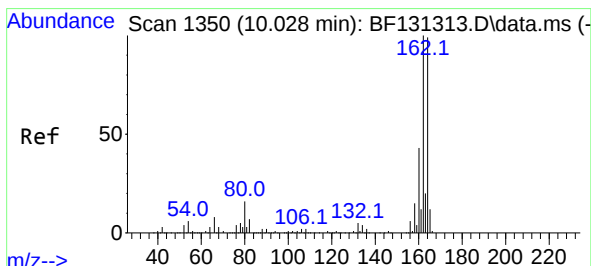
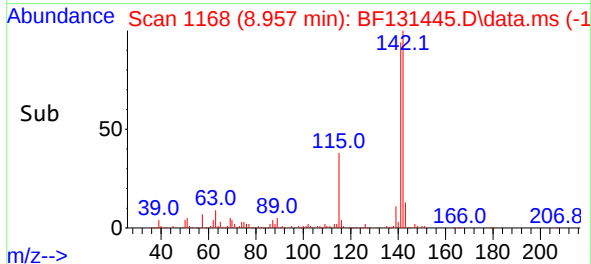
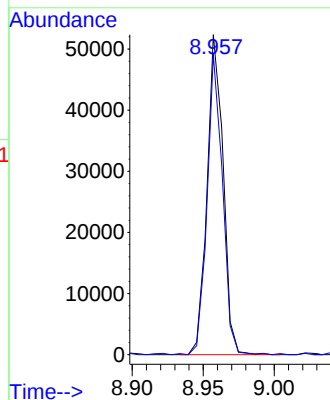
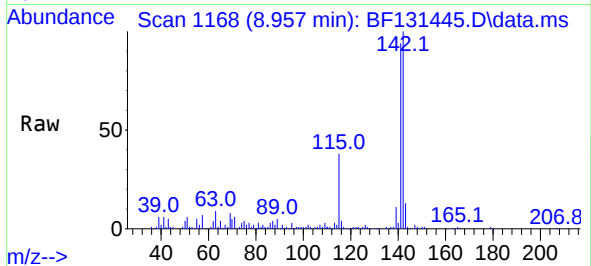
#37
2-Methylnaphthalene
Concen: 3.669 ng
RT: 8.957 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

Instrument :
BNA_F
ClientSampleId :
B-14S

Tgt Ion:142 Resp: 4118
Ion Ratio Lower Upper
142 100
141 93.8 71.0 106.4

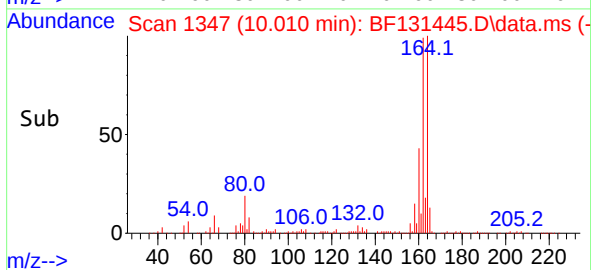
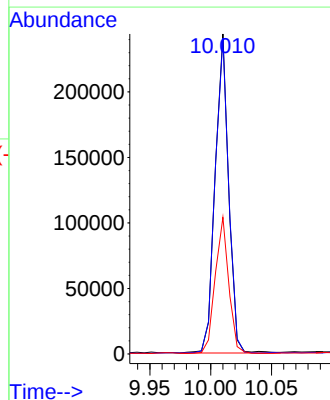
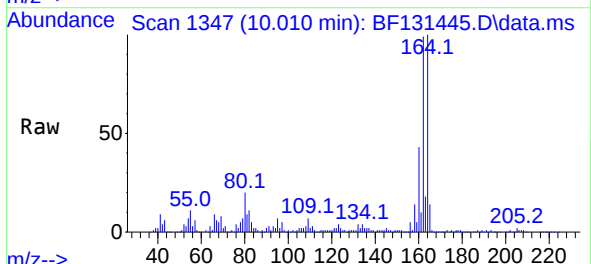
Manual Integrations
APPROVED

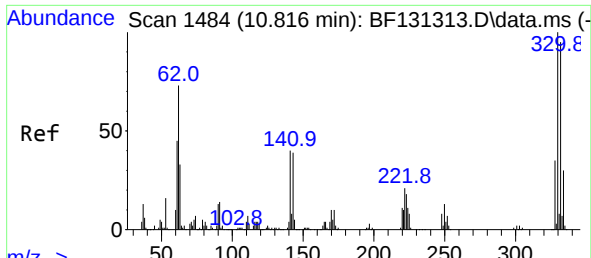
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

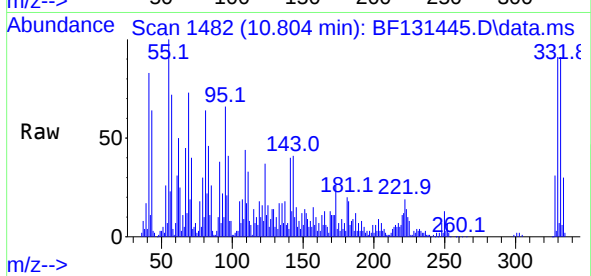
Tgt Ion:164 Resp: 187855
Ion Ratio Lower Upper
164 100
162 98.7 80.6 120.8
160 42.7 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 44.484 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

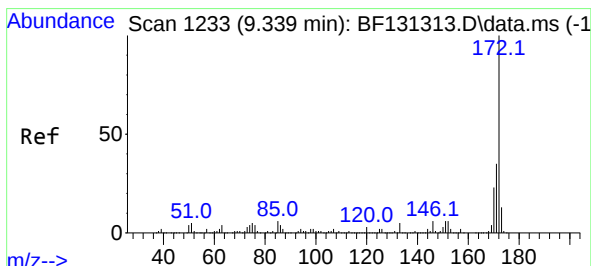
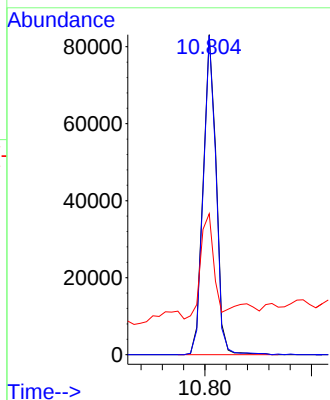
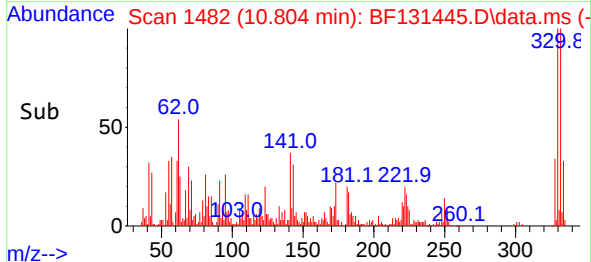
Instrument :
BNA_F
ClientSampleId :
B-14S



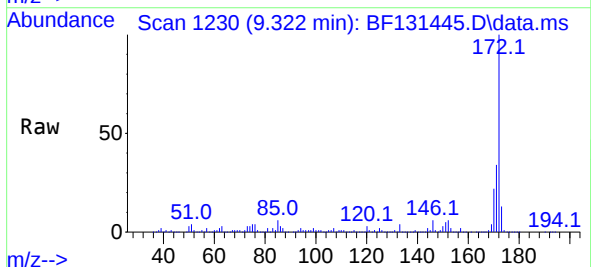
Tgt Ion: 330 Resp: 70304
Ion Ratio Lower Upper
330 100
332 98.0 77.5 116.3
141 34.7 29.3 43.9

Manual Integrations
APPROVED

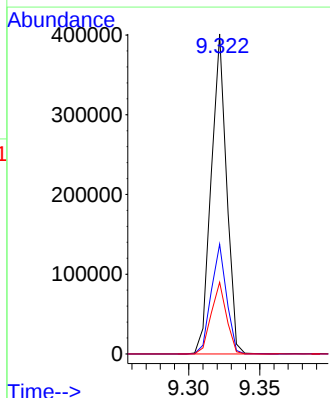
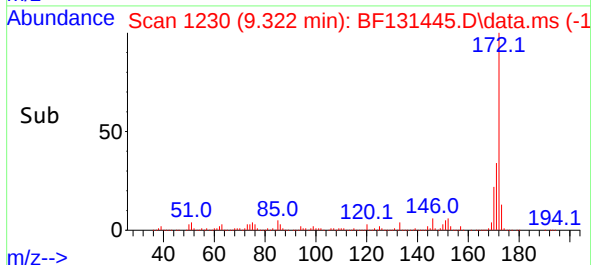
Reviewed By : Christian Giraldo 11/29/2022
Supervised By : mohammad ahmed 12/02/2022

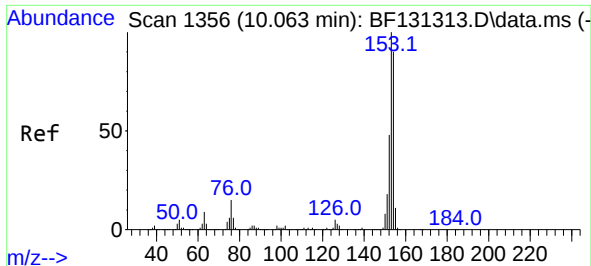


#45
2-Fluorobiphenyl
Concen: 23.306 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



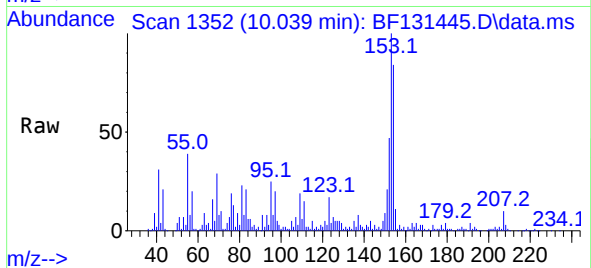
Tgt Ion: 172 Resp: 300935
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 22.4 18.7 28.1





#52
Acenaphthene
Concen: 5.651 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

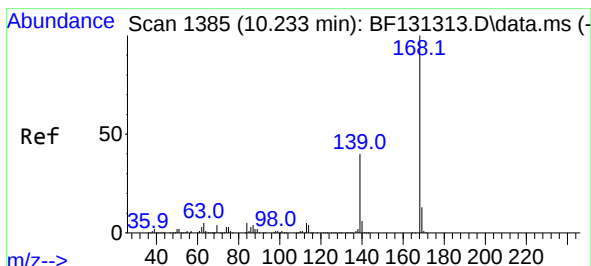
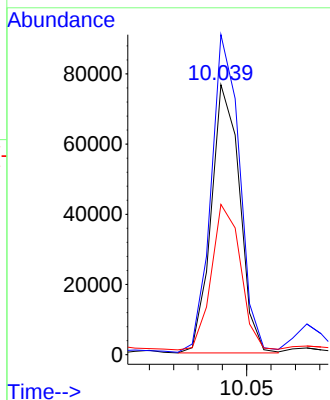
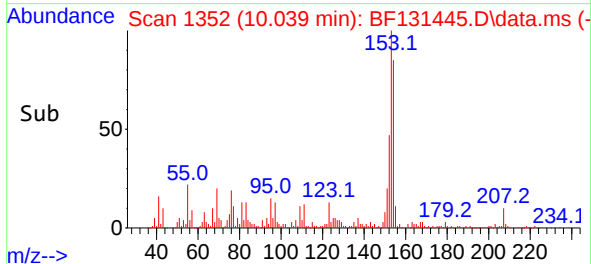
Instrument :
BNA_F
ClientSampleId :
B-14S



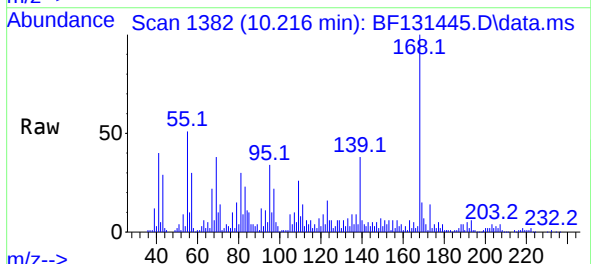
Tgt Ion:154 Resp: 62038
Ion Ratio Lower Upper
154 100
153 118.5 88.4 132.6
152 55.7 42.8 64.2

Manual Integrations
APPROVED

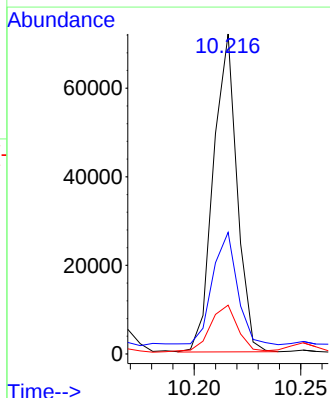
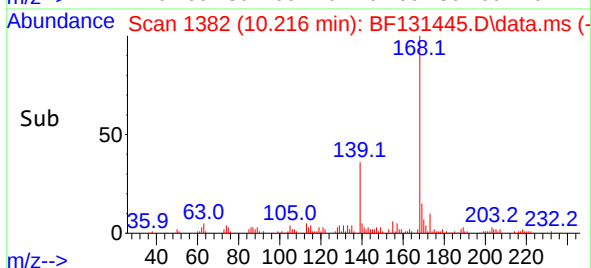
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

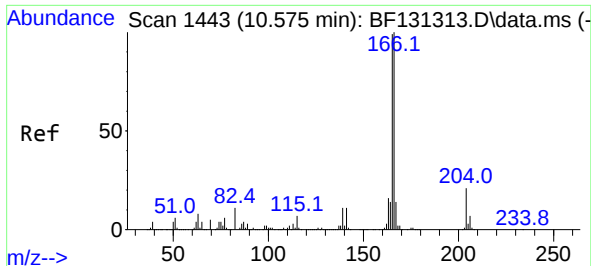


#55
Dibenzofuran
Concen: 3.510 ng
RT: 10.216 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



Tgt Ion:168 Resp: 55438
Ion Ratio Lower Upper
168 100
139 38.0 31.7 47.5
169 15.2 10.6 15.8





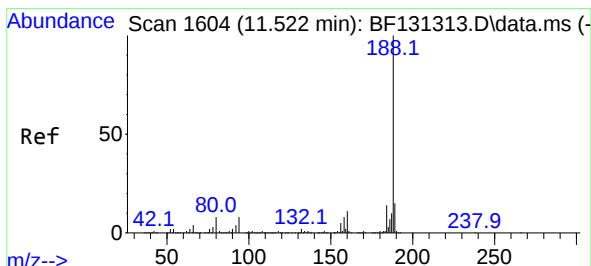
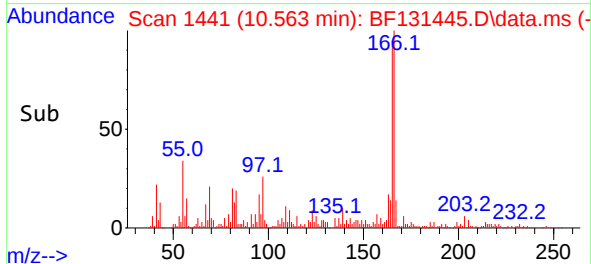
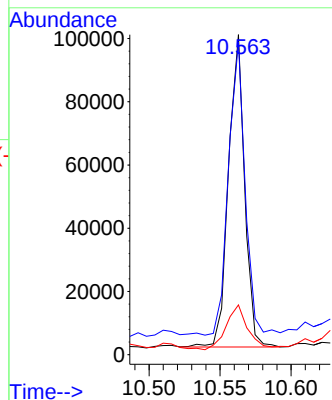
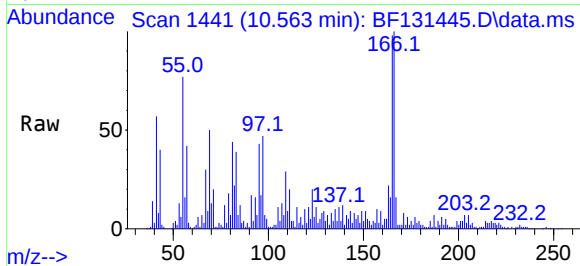
#58
Fluorene
Concen: 6.336 ng
RT: 10.563 min Scan# 1441
Delta R.T. -0.000 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

Instrument :
BNA_F
ClientSampleId :
B-14S

Tgt Ion:166 Resp: 7809
Ion Ratio Lower Upper
166 100
165 97.7 79.0 118.4
167 15.5 10.9 16.3

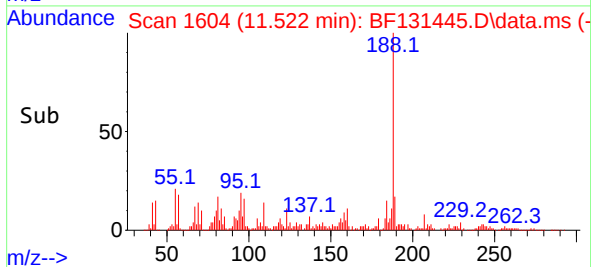
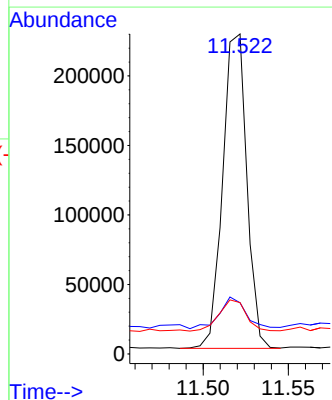
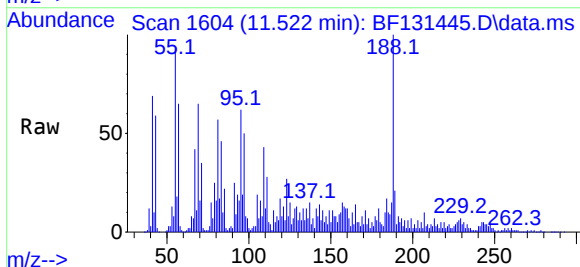
Manual Integrations
APPROVED

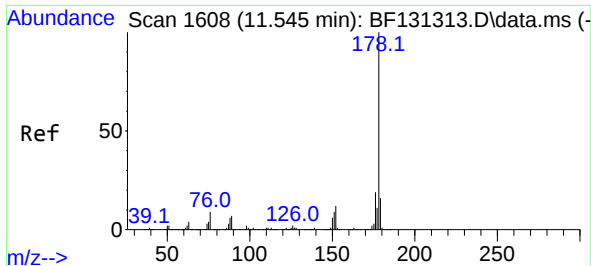
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. 0.018 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

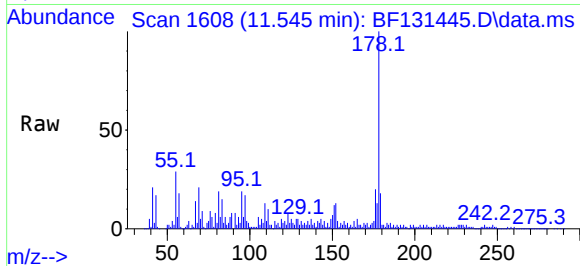
Tgt Ion:188 Resp: 222636
Ion Ratio Lower Upper
188 100
94 16.0 6.3 9.5#
80 16.1 6.8 10.2#





#71
Phenanthrene
Concen: 45.963 ng
RT: 11.545 min Scan# 1608
Delta R.T. 0.012 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

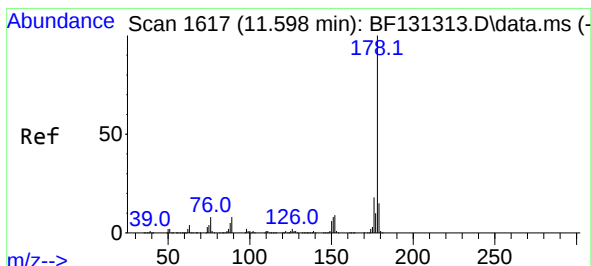
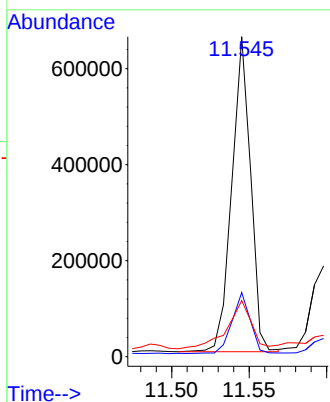
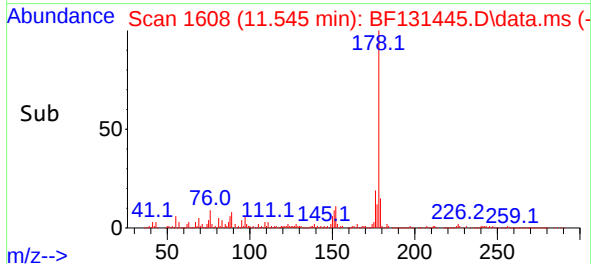
Instrument :
BNA_F
ClientSampleId :
B-14S



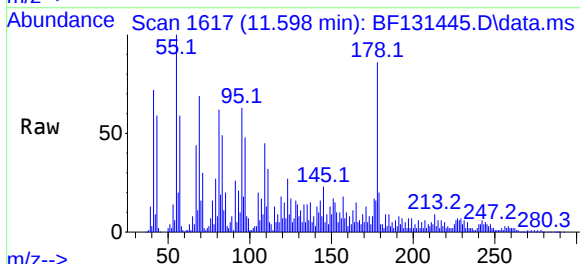
Tgt Ion:178 Resp: 553020
Ion Ratio Lower Upper
178 100
176 20.1 15.6 23.4
179 17.5 12.4 18.6

Manual Integrations
APPROVED

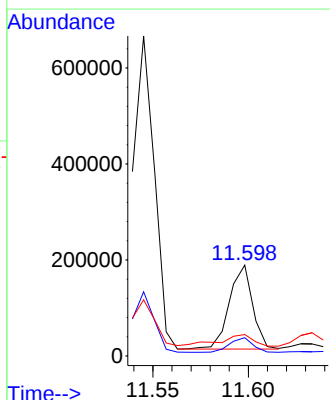
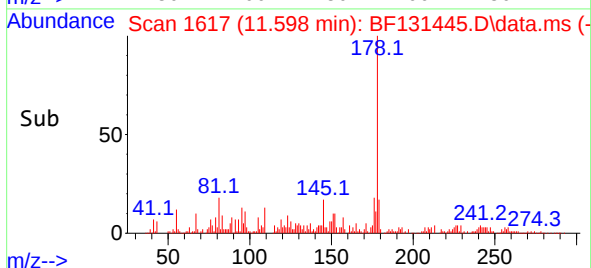
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

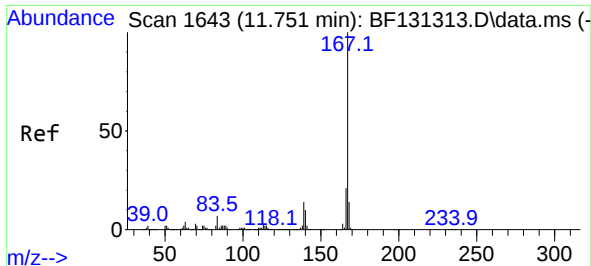


#72
Anthracene
Concen: 12.607 ng m
RT: 11.598 min Scan# 1617
Delta R.T. 0.012 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



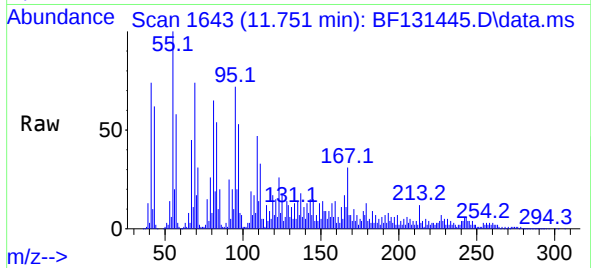
Tgt Ion:178 Resp: 149074
Ion Ratio Lower Upper
178 100
176 20.1 14.7 22.1
179 23.6 12.2 18.4#





#73
 Carbazole
 Concen: 5.714 ng
 RT: 11.751 min Scan# 1643
 Delta R.T. 0.012 min
 Lab File: BF131445.D
 Acq: 28 Nov 2022 23:41

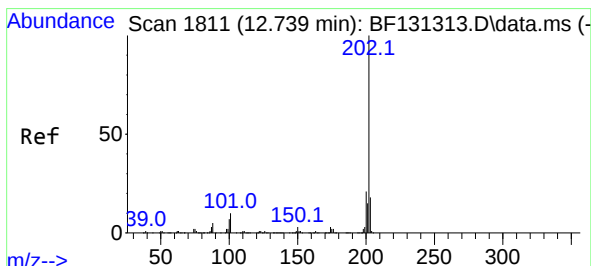
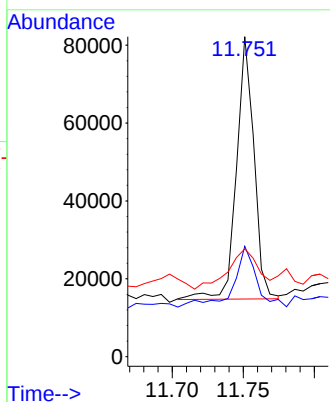
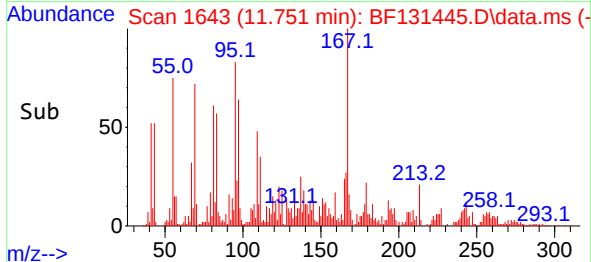
Instrument :
 BNA_F
 ClientSampleId :
 B-14S



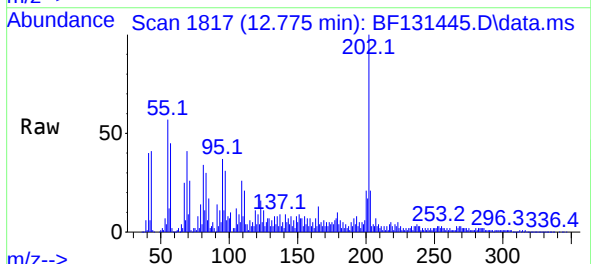
Tgt Ion:167 Resp: 57639
 Ion Ratio Lower Upper
 167 100
 166 34.5 17.0 25.6
 139 33.7 10.8 16.2

Manual Integrations
 APPROVED

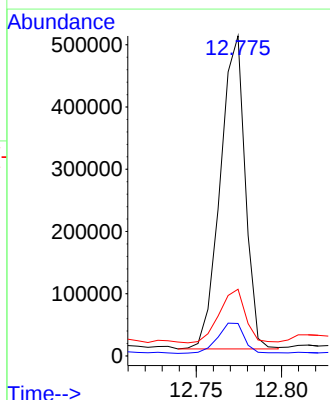
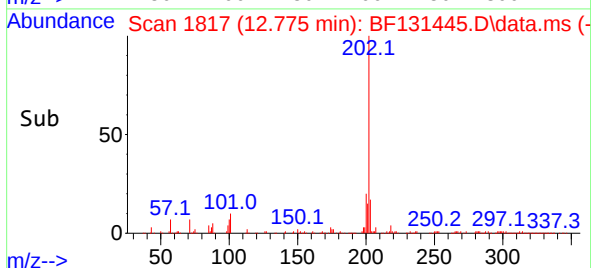
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022

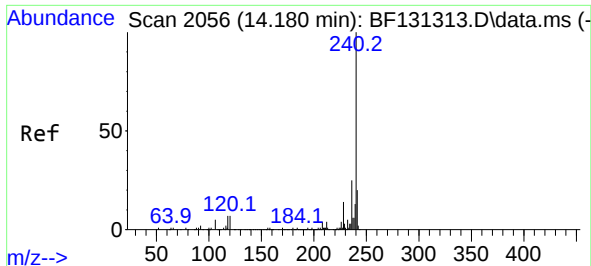


#75
 Fluoranthene
 Concen: 40.375 ng
 RT: 12.775 min Scan# 1817
 Delta R.T. 0.047 min
 Lab File: BF131445.D
 Acq: 28 Nov 2022 23:41



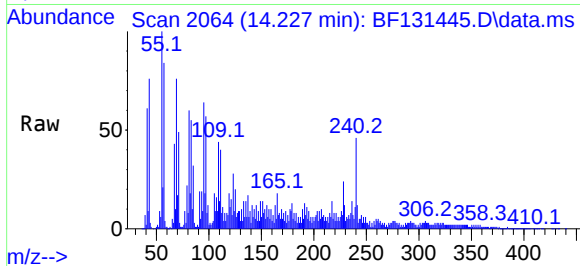
Tgt Ion:202 Resp: 511892
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.6
 203 20.9 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2056
Delta R.T. 0.059 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

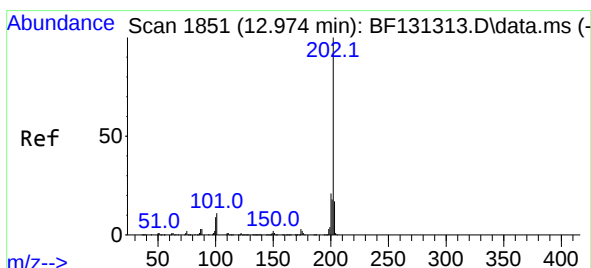
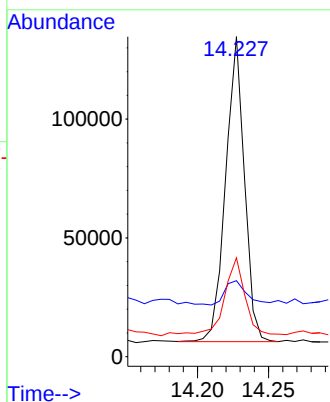
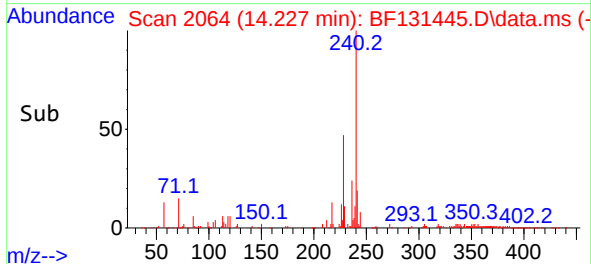
Instrument :
BNA_F
ClientSampleId :
B-14S



Tgt Ion:240 Resp: 11774
Ion Ratio Lower Upper
240 100
120 23.7 5.8 8.8
236 30.9 20.3 30.5

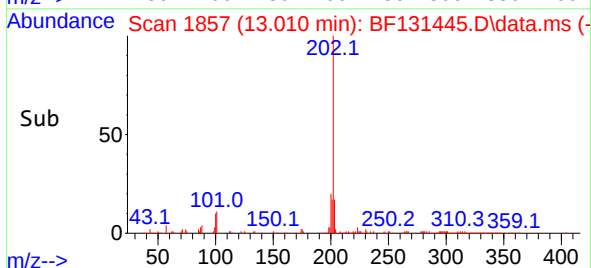
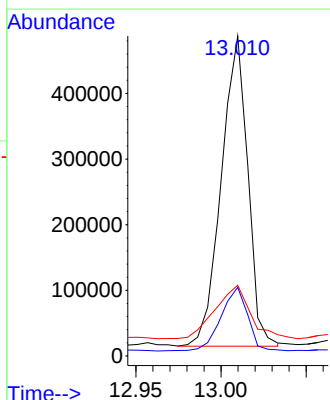
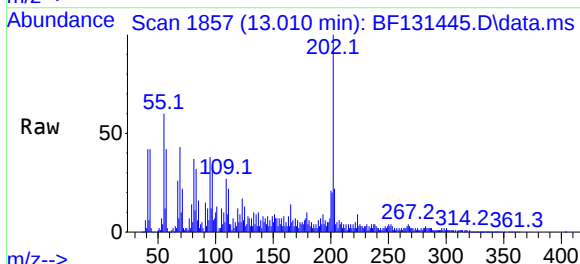
Manual Integrations
APPROVED

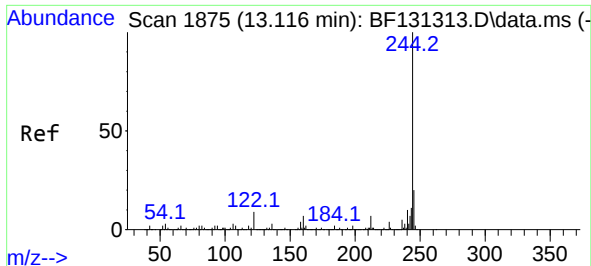
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#78
Pyrene
Concen: 49.214 ng m
RT: 13.010 min Scan# 1857
Delta R.T. 0.047 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

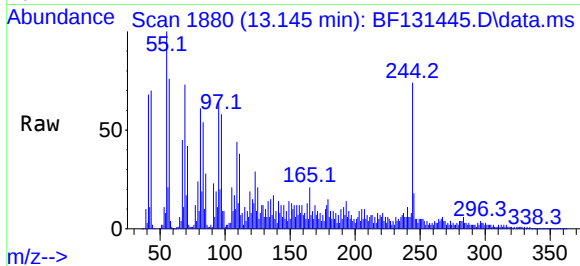
Tgt Ion:202 Resp: 511265
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 22.1 13.9 20.9





#79
 Terphenyl-d14
 Concen: 28.029 ng
 RT: 13.145 min Scan# 1880
 Delta R.T. 0.041 min
 Lab File: BF131445.D
 Acq: 28 Nov 2022 23:41

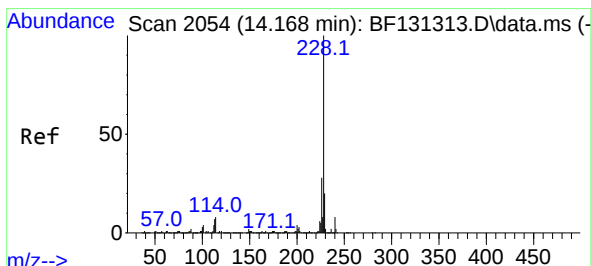
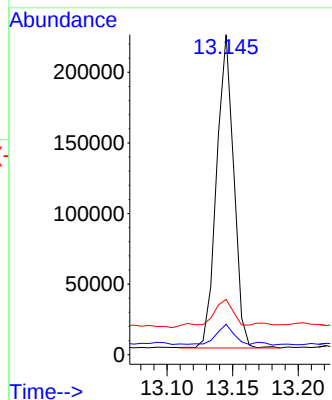
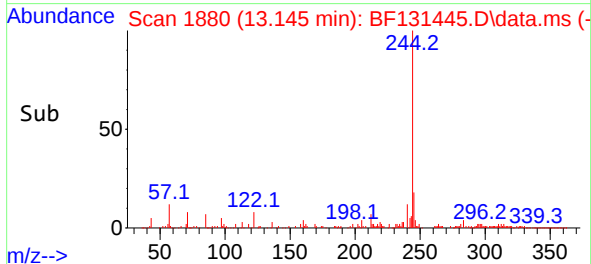
Instrument :
 BNA_F
 ClientSampleId :
 B-14S



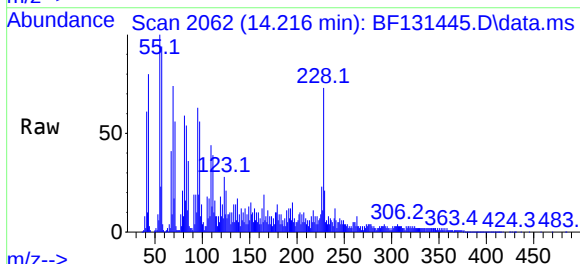
Tgt Ion:244 Resp: 201820
 Ion Ratio Lower Upper
 244 100
 212 9.5 5.9 8.9
 122 17.2 7.5 11.3

Manual Integrations
 APPROVED

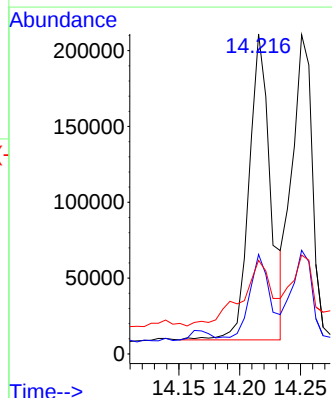
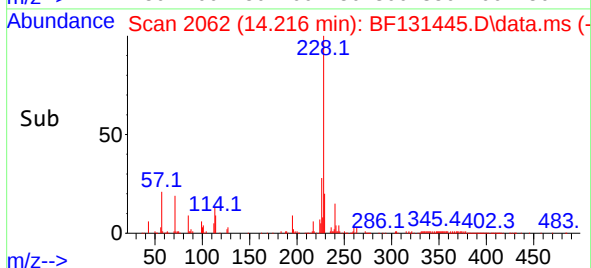
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022

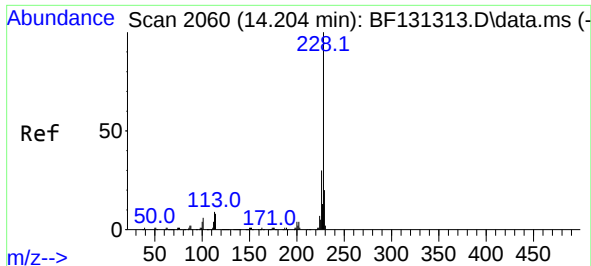


#81
 Benzo(a)anthracene
 Concen: 30.542 ng
 RT: 14.216 min Scan# 2062
 Delta R.T. 0.059 min
 Lab File: BF131445.D
 Acq: 28 Nov 2022 23:41



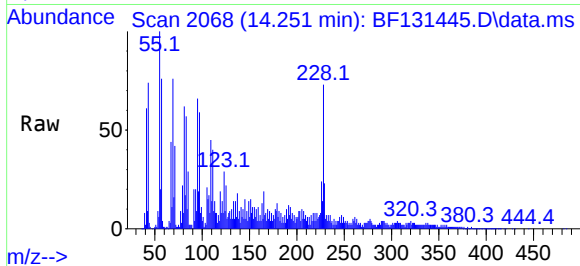
Tgt Ion:228 Resp: 246500
 Ion Ratio Lower Upper
 228 100
 226 31.1 22.0 33.0
 229 29.2 15.7 23.5





#83
Chrysene
Concen: 29.563 ng
RT: 14.251 min Scan# 2068
Delta R.T. 0.059 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

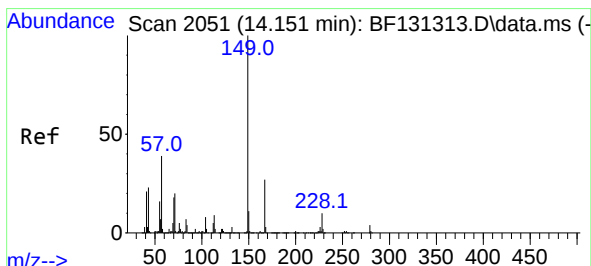
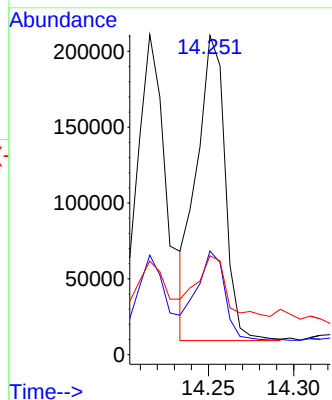
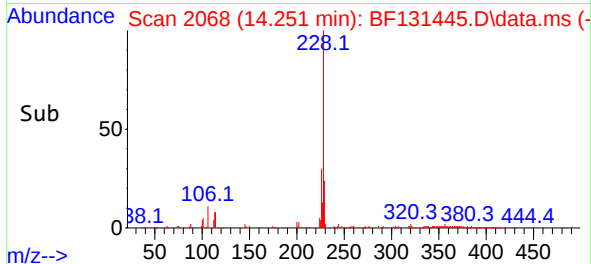
Instrument :
BNA_F
ClientSampleId :
B-14S



Tgt Ion:228 Resp: 23409
Ion Ratio Lower Upper
228 100
226 32.5 23.7 35.5
229 31.0 16.2 24.4

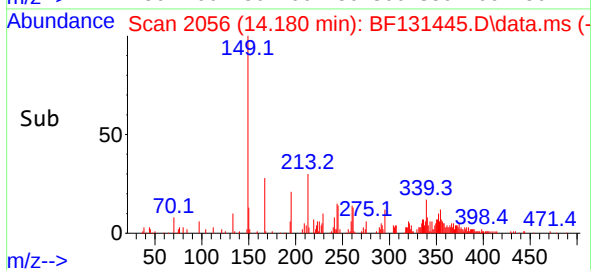
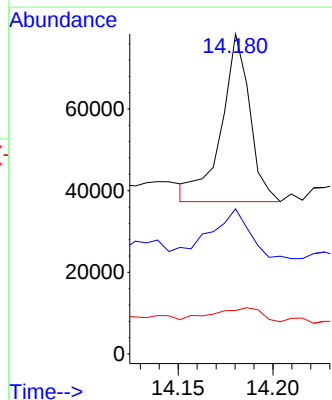
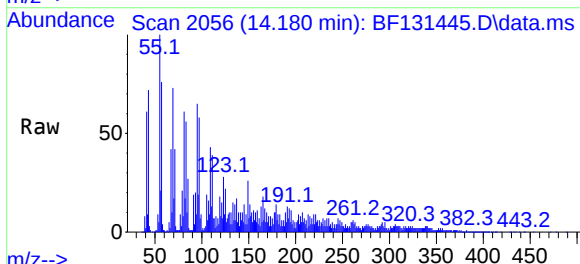
Manual Integrations
APPROVED

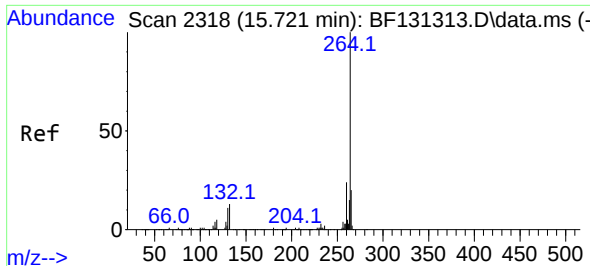
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 12.213 ng
RT: 14.180 min Scan# 2056
Delta R.T. 0.041 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

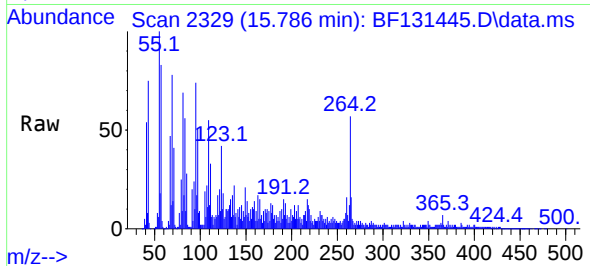
Tgt Ion:149 Resp: 42587
Ion Ratio Lower Upper
149 100
167 45.4 21.9 32.9#
279 13.6 3.0 4.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.786 min Scan# 21
Delta R.T. 0.088 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

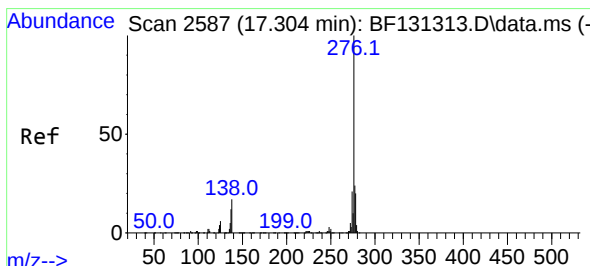
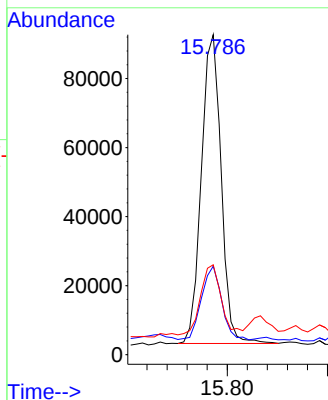
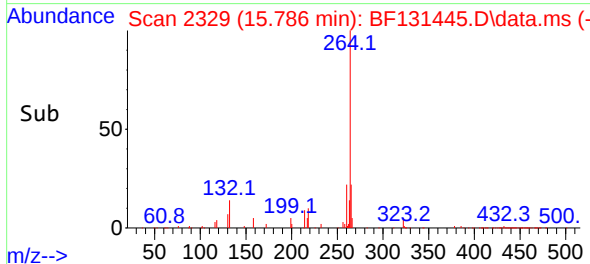
Instrument :
BNA_F
ClientSampleId :
B-14S



Tgt Ion:264 Resp: 122745
Ion Ratio Lower Upper
264 100
260 27.7 19.0 28.4
265 28.1 16.4 24.6

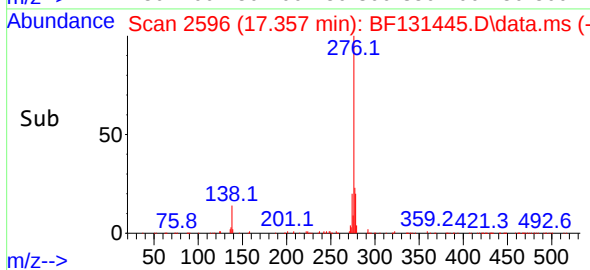
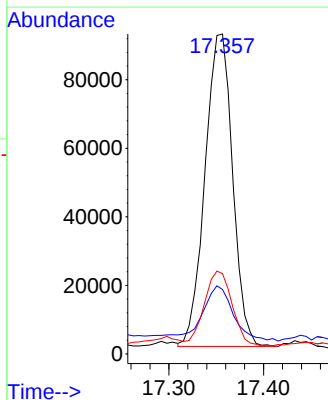
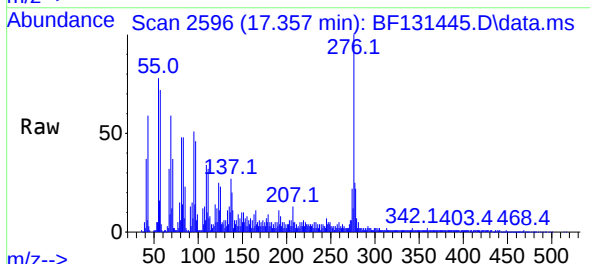
Manual Integrations
APPROVED

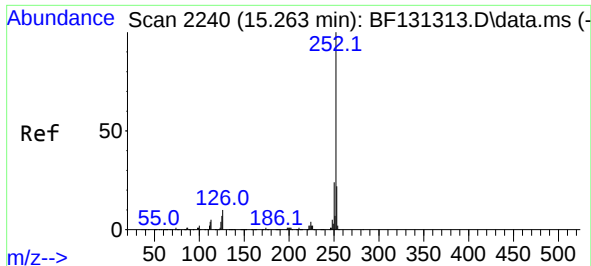
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 22.431 ng
RT: 17.357 min Scan# 2596
Delta R.T. 0.082 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

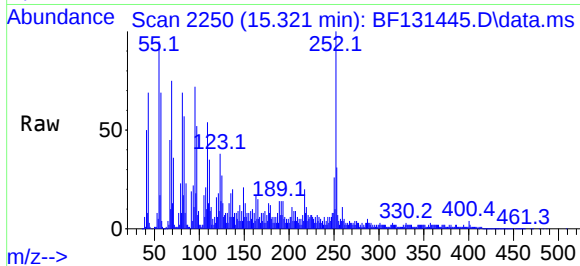
Tgt Ion:276 Resp: 184924
Ion Ratio Lower Upper
276 100
138 19.3 15.8 23.6
277 24.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 42.109 ng m
RT: 15.321 min Scan# 2250
Delta R.T. 0.076 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

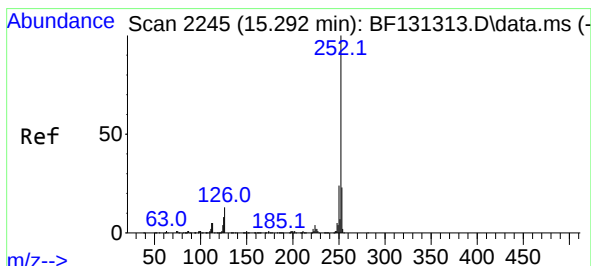
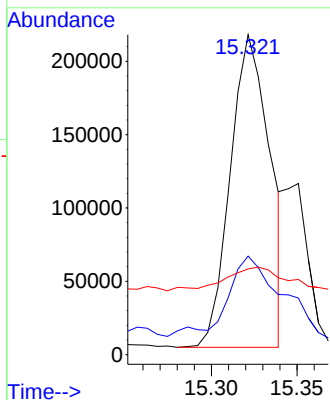
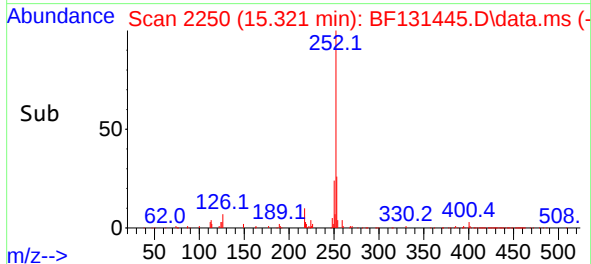
Instrument :
BNA_F
ClientSampleId :
B-14S



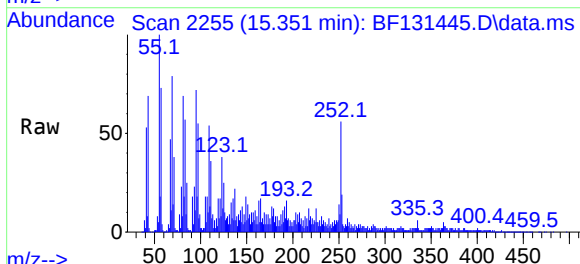
Tgt Ion:252 Resp: 343369
Ion Ratio Lower Upper
252 100
253 30.8 17.5 26.3#
125 26.8 5.8 8.6#

Manual Integrations
APPROVED

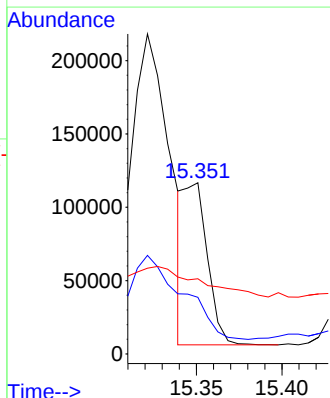
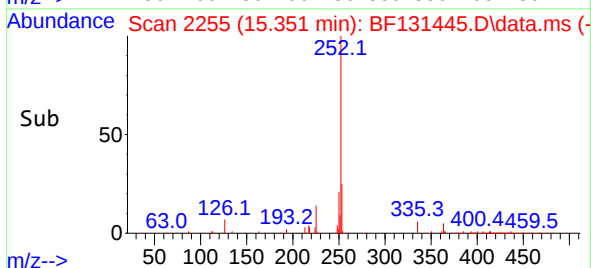
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

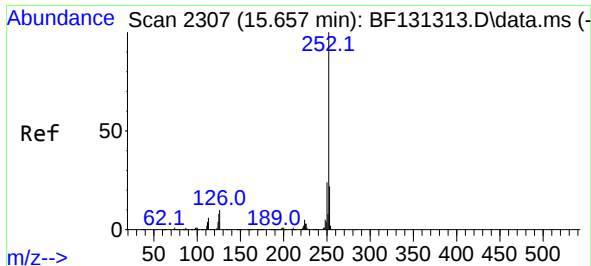


#89
Benzo(k)fluoranthene
Concen: 12.472 ng m
RT: 15.351 min Scan# 2255
Delta R.T. 0.071 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



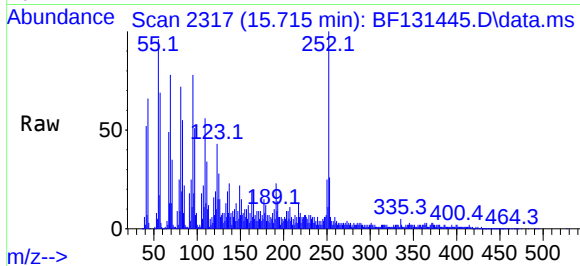
Tgt Ion:252 Resp: 104509
Ion Ratio Lower Upper
252 100
253 33.1 17.9 26.9#
125 44.0 6.6 10.0#





#90
Benzo(a)pyrene
Concen: 34.157 ng
RT: 15.715 min Scan# 21
Delta R.T. 0.076 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41

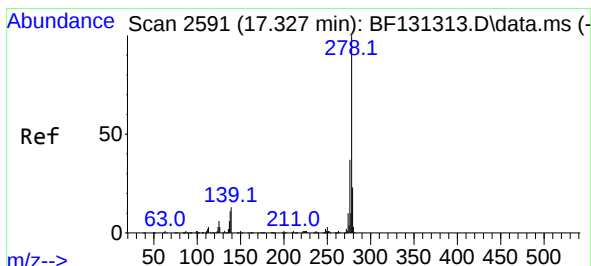
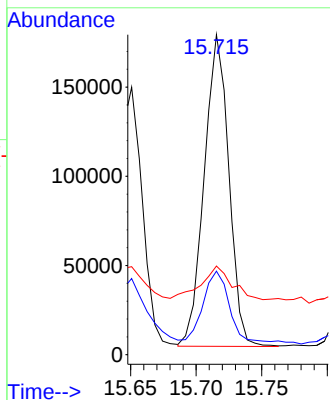
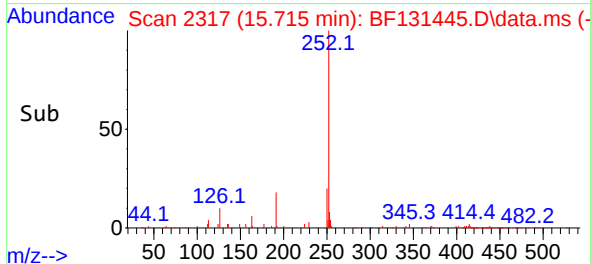
Instrument :
BNA_F
ClientSampleId :
B-14S



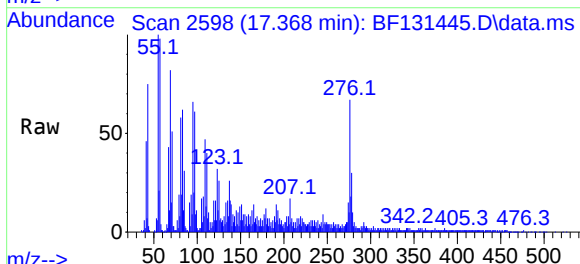
Tgt Ion:252 Resp: 22853
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 27.7 6.1 9.1

Manual Integrations
APPROVED

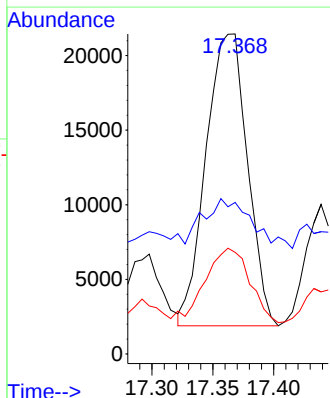
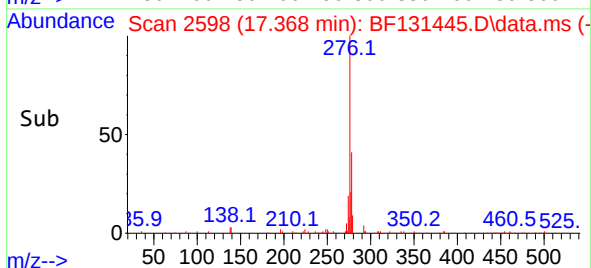
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

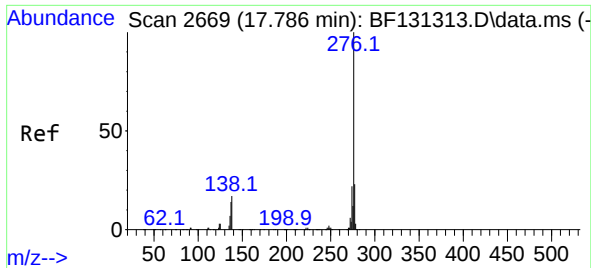


#91
Dibenzo(a,h)anthracene
Concen: 6.813 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.071 min
Lab File: BF131445.D
Acq: 28 Nov 2022 23:41



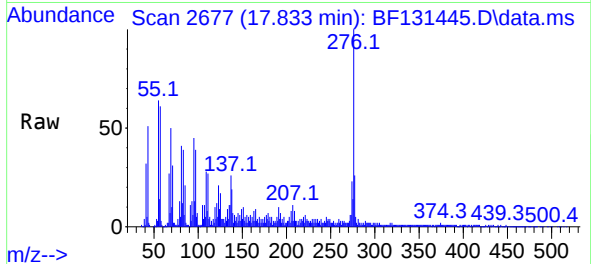
Tgt Ion:278 Resp: 46372
Ion Ratio Lower Upper
278 100
139 47.3 10.4 15.6#
279 31.8 18.3 27.5#





#92
 Benzo(g,h,i)perylene
 Concen: 30.169 ng
 RT: 17.833 min Scan# 20
 Delta R.T. 0.076 min
 Lab File: BF131445.D
 Acq: 28 Nov 2022 23:41

Instrument :
 BNA_F
 ClientSampleId :
 B-14S



Tgt Ion:276 Resp: 204940
 Ion Ratio Lower Upper
 276 100
 277 26.2 18.3 27.5
 138 19.2 13.8 20.6

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022

