

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131447.D
 Acq On : 29 Nov 2022 00:45
 Operator : CG\JU
 Sample : N5752-17 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-15S

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 05:01:55 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)

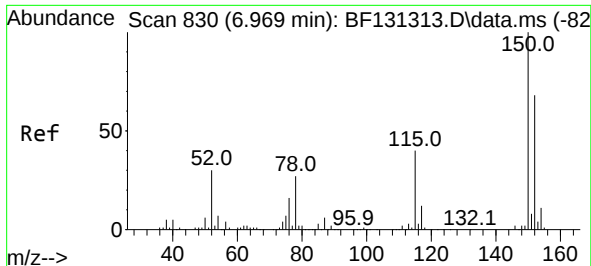
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	65355	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	321753	20.000	ng	# 0.00
39) Acenaphthene-d10	10.016	164	107963	20.000	ng	0.00
64) Phenanthrene-d10	11.527	188	171560	20.000	ng	# 0.02
76) Chrysene-d12	14.233	240	111173	20.000	ng	# 0.06
86) Perylene-d12	15.792	264	100200	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	338261	98.506	ng	0.00
7) Phenol-d6	6.575	99	230016	52.500	ng	0.00
23) Nitrobenzene-d5	7.516	82	177852	27.864	ng	-0.01
42) 2,4,6-Tribromophenol	10.816	330	68500	75.416	ng	0.01
45) 2-Fluorobiphenyl	9.322	172	260905	35.157	ng	0.00
79) Terphenyl-d14	13.157	244	204686	30.108	ng	0.05
Target Compounds						Qvalue
31) Naphthalene	8.269	128	42844	2.499	ng	99
58) Fluorene	10.569	166	18800	2.654	ng	# 72
71) Phenanthrene	11.557	178	108990	11.755	ng	# 74
72) Anthracene	11.610	178	29912	3.283	ng	# 27
74) Di-n-butylphthalate	12.092	149	50978	5.566	ng	# 43
75) Fluoranthene	12.780	202	270698	27.707	ng	83
78) Pyrene	13.022	202	341736	34.840	ng	# 92
81) Benzo(a)anthracene	14.221	228	140093	18.384	ng	# 81
83) Chrysene	14.257	228	197998m	26.483	ng	
84) Bis(2-ethylhexyl)phtha...	14.186	149	184196	42.525	ng	# 86
87) Indeno(1,2,3-cd)pyrene	17.368	276	102561	15.240	ng	97
88) Benzo(b)fluoranthene	15.327	252	267411m	40.173	ng	
89) Benzo(k)fluoranthene	15.351	252	75514m	11.039	ng	
90) Benzo(a)pyrene	15.721	252	112901	20.671	ng	# 64
91) Dibenzo(a,h)anthracene	17.374	278	29702	5.346	ng	# 39
92) Benzo(g,h,i)perylene	17.851	276	135649	24.461	ng	# 90

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

Manual Integrations

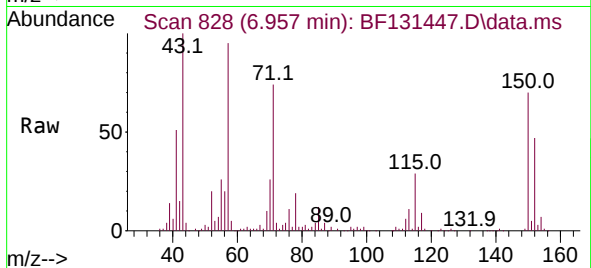
Quant Time: Nov 29 05:01:55 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

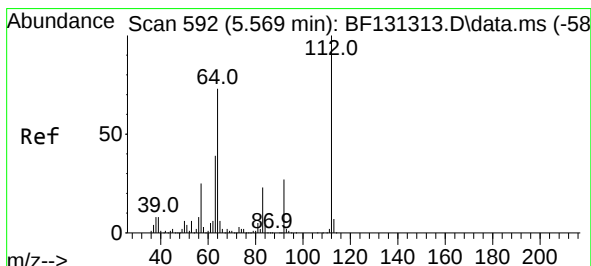
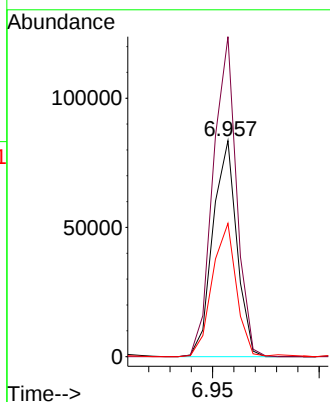
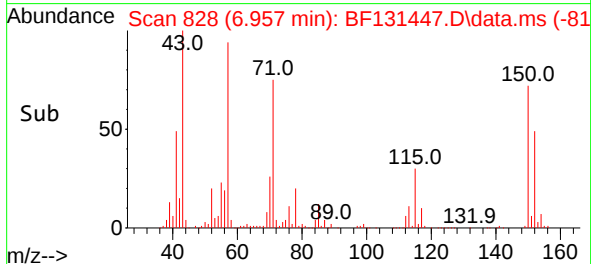
Instrument :
BNA_F
ClientSampleId :
B-15S



Tgt Ion:152 Resp: 6535
Ion Ratio Lower Upper
152 100
150 148.2 117.8 176.8
115 61.7 47.1 70.7

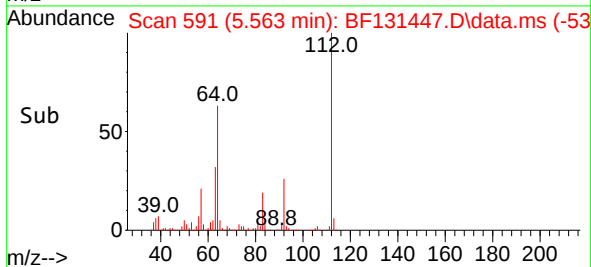
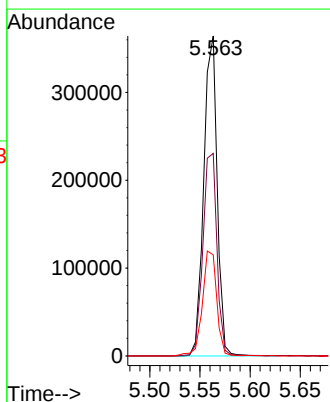
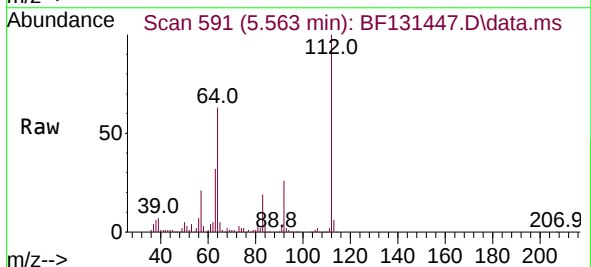
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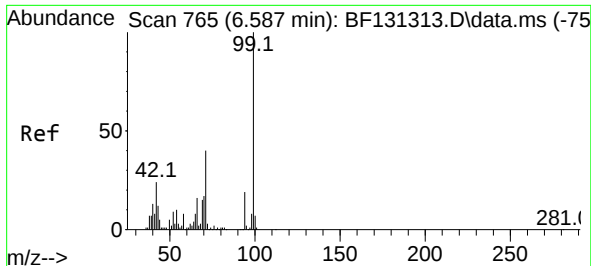
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#5
2-Fluorophenol
Concen: 98.506 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

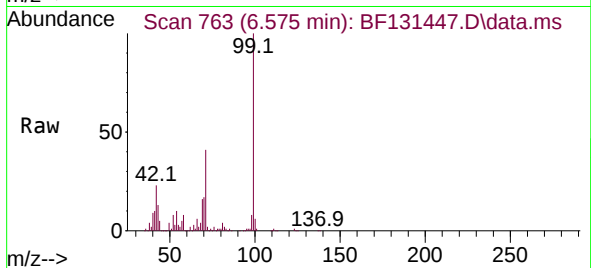
Tgt Ion:112 Resp: 338261
Ion Ratio Lower Upper
112 100
64 63.3 58.6 88.0
63 31.6 31.4 47.0





#7
Phenol-d6
Concen: 52.500 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

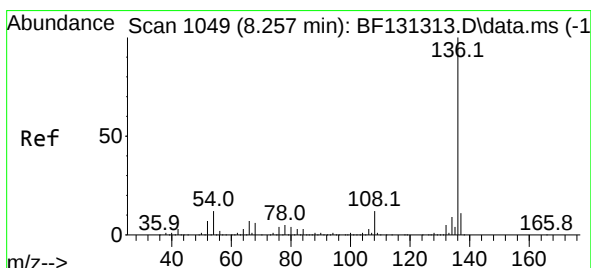
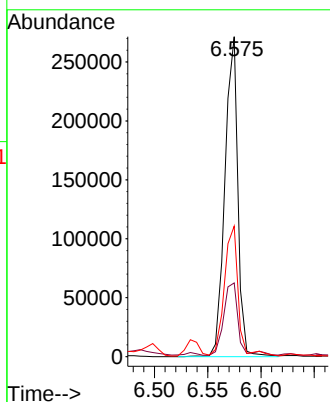
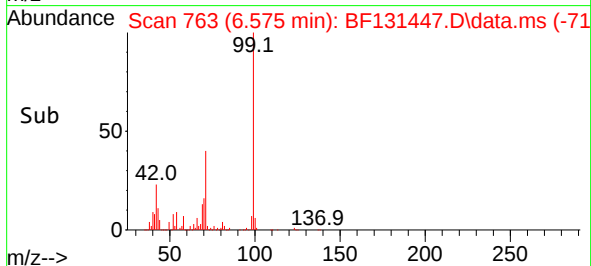
Instrument :
BNA_F
ClientSampleId :
B-15S



Tgt Ion: 99 Resp: 230016
Ion Ratio Lower Upper
99 100
42 23.0 19.4 29.2
71 40.8 32.3 48.5

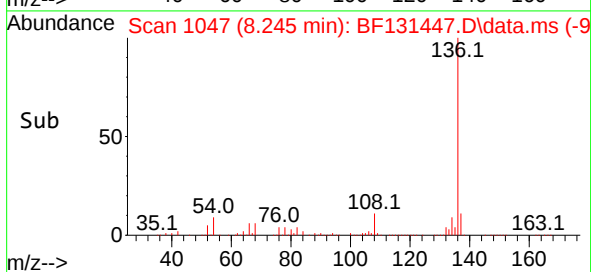
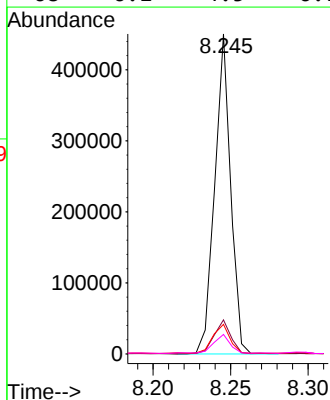
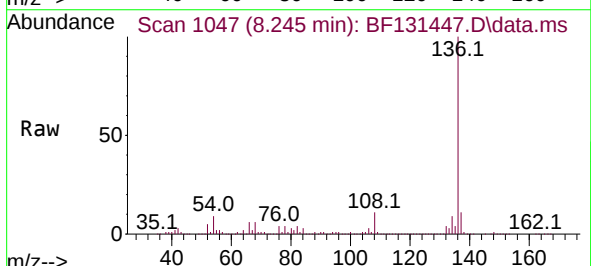
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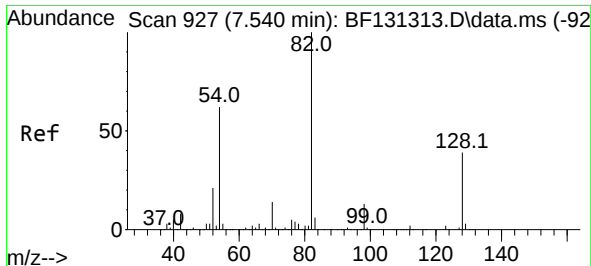
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Supervised By :mohammad ahmed 12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Tgt Ion:136 Resp: 321753
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.2 9.4 14.0#
68 6.1 4.5 6.7





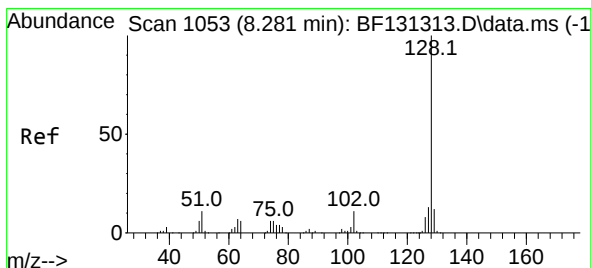
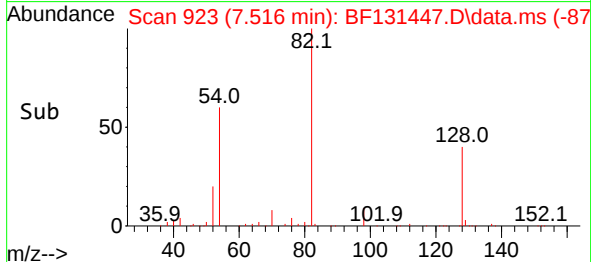
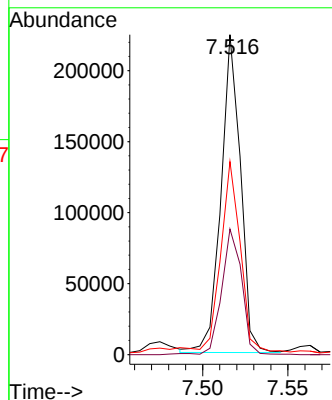
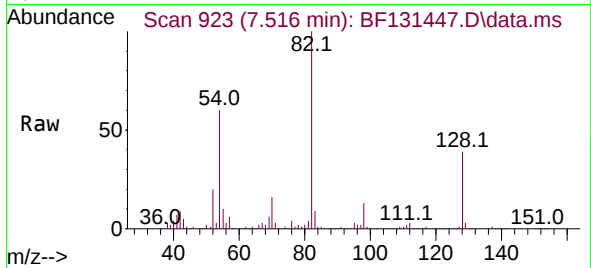
#23
Nitrobenzene-d5
Concen: 27.864 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Instrument :
BNA_F
ClientSampleId :
B-15S

Tgt Ion: 82 Resp: 177852
Ion Ratio Lower Upper
82 100
128 39.2 31.4 47.0
54 60.3 49.8 74.6

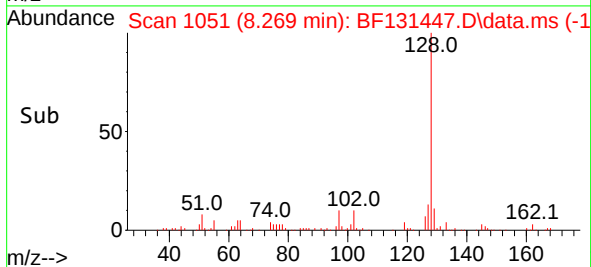
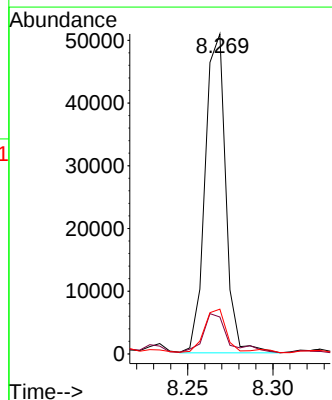
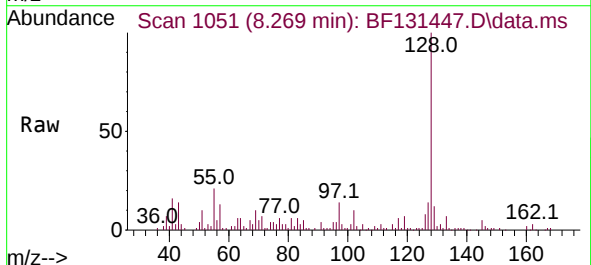
Manual Integrations
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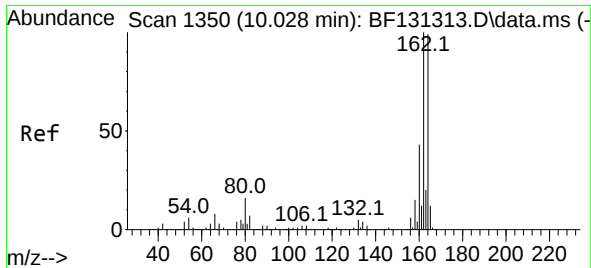
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#31
Naphthalene
Concen: 2.499 ng
RT: 8.269 min Scan# 1051
Delta R.T. -0.000 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Tgt Ion:128 Resp: 42844
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 14.0 10.6 16.0





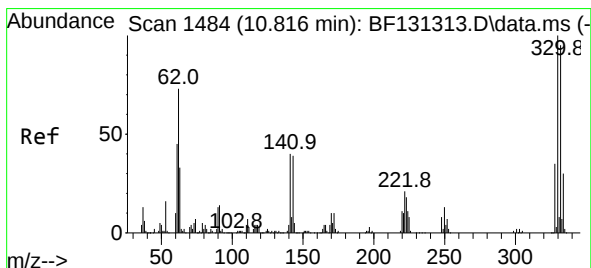
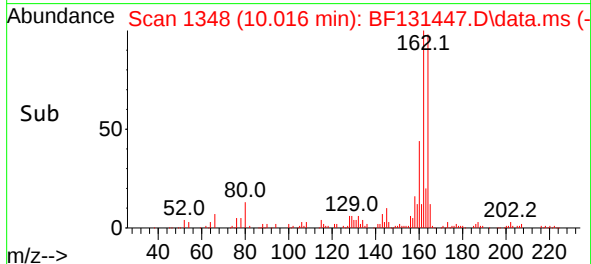
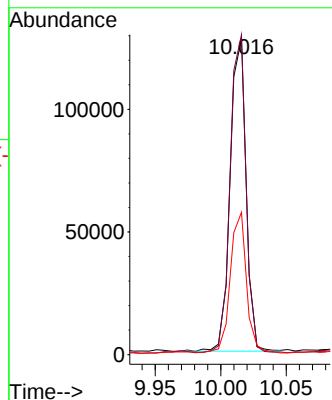
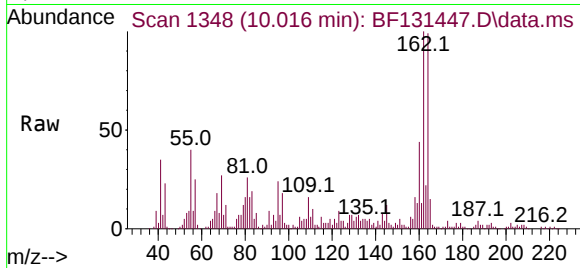
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Instrument :
BNA_F
ClientSampleId :
B-15S

Tgt Ion:164 Resp: 107963
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.0 34.4 51.6

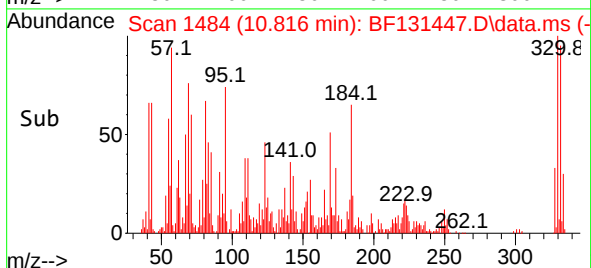
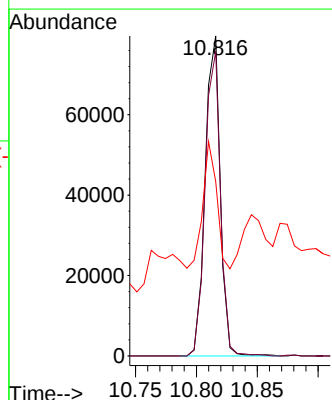
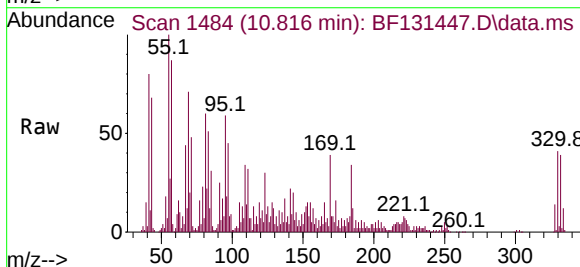
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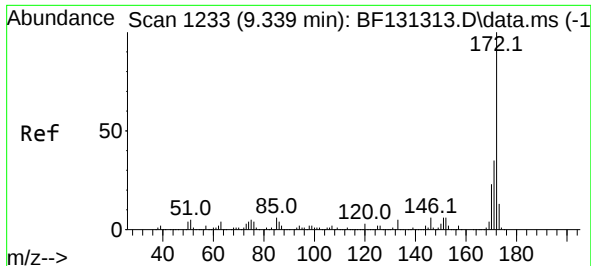
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#42
2,4,6-Tribromophenol
Concen: 75.416 ng
RT: 10.816 min Scan# 1484
Delta R.T. 0.012 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

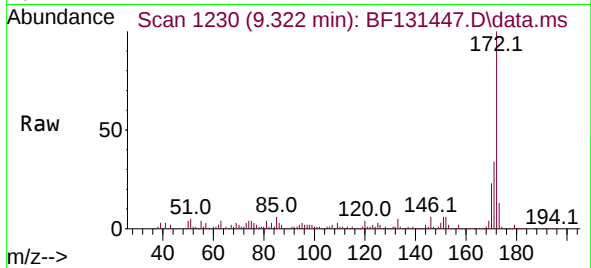
Tgt Ion:330 Resp: 68500
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 37.2 29.3 43.9





#45
2-Fluorobiphenyl
Concen: 35.157 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

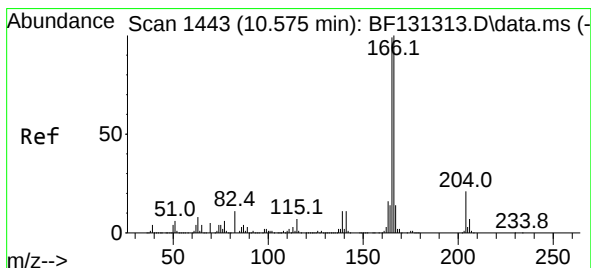
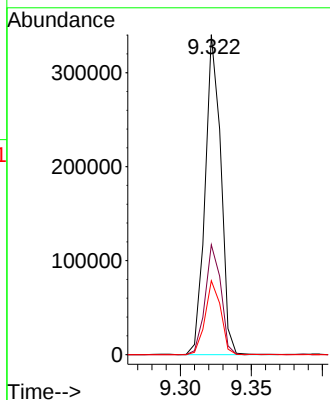
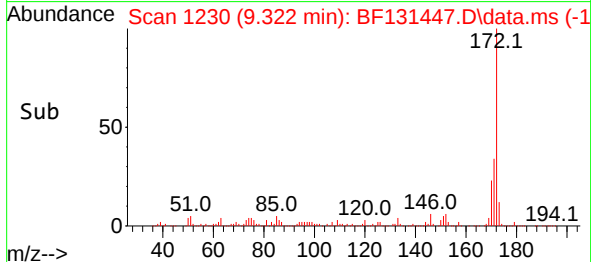
Instrument :
BNA_F
ClientSampleId :
B-15S



Tgt Ion:172 Resp: 260905
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 23.1 18.7 28.1

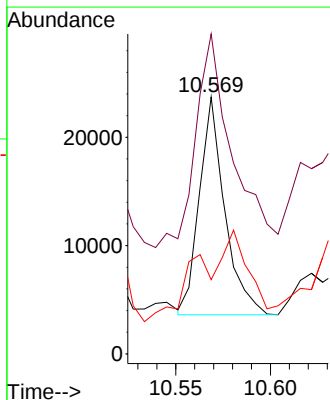
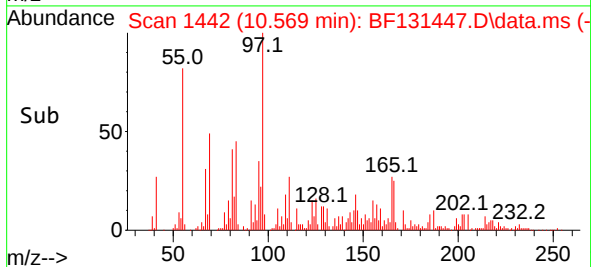
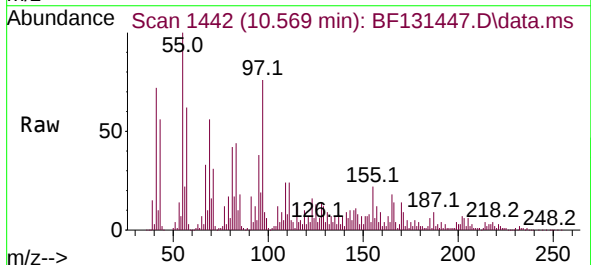
Manual Integrations
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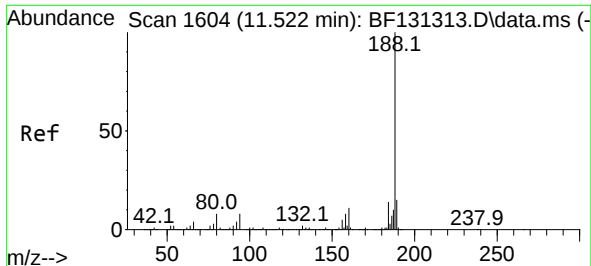
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#58
Fluorene
Concen: 2.654 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

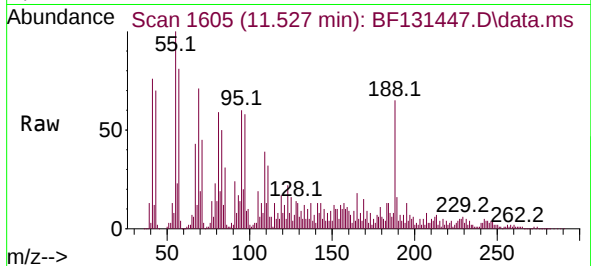
Tgt Ion:166 Resp: 18800
Ion Ratio Lower Upper
166 100
165 124.6 79.0 118.4#
167 28.9 10.9 16.3#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.527 min Scan# 1604
Delta R.T. 0.023 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

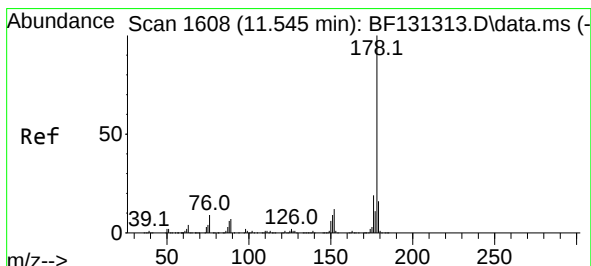
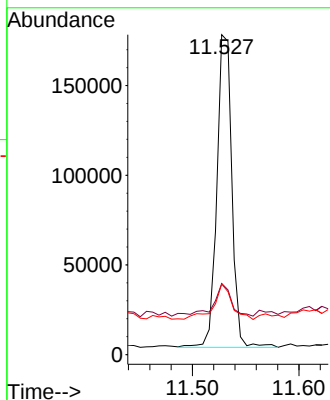
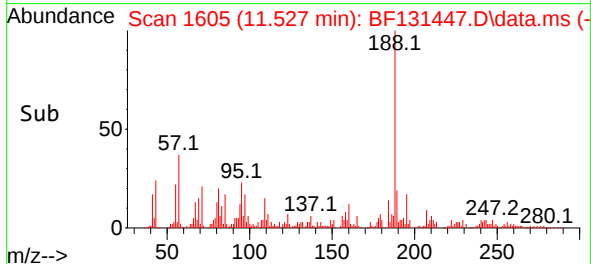
Instrument :
BNA_F
ClientSampleId :
B-15S



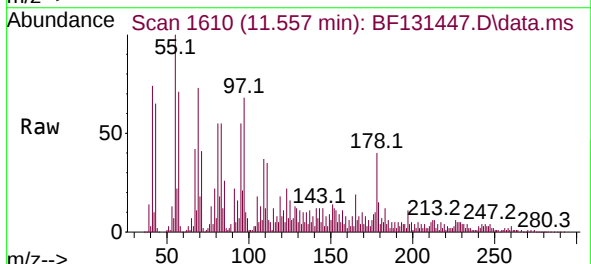
Tgt Ion:188 Resp: 171560
Ion Ratio Lower Upper
188 100
94 22.2 6.3 9.5
80 22.0 6.8 10.2

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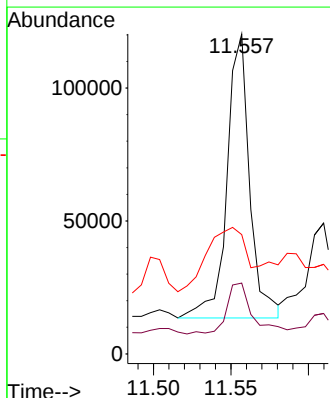
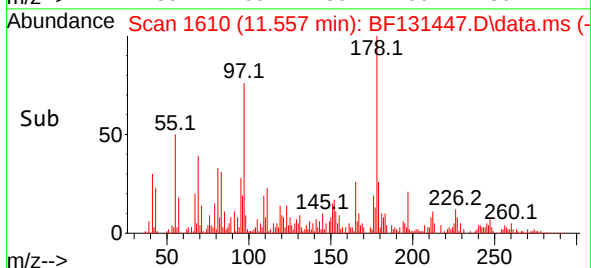
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

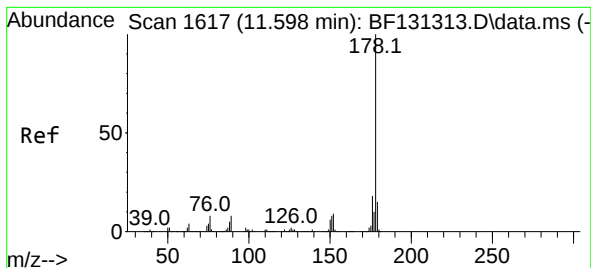


#71
Phenanthrene
Concen: 11.755 ng
RT: 11.557 min Scan# 1610
Delta R.T. 0.023 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45



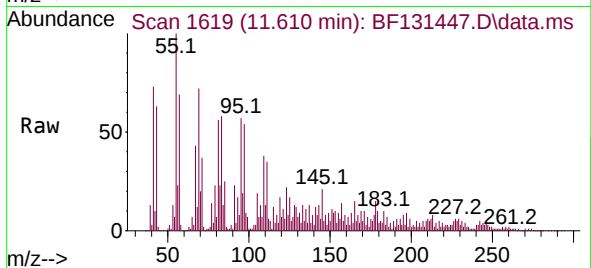
Tgt Ion:178 Resp: 108990
Ion Ratio Lower Upper
178 100
176 22.2 15.6 23.4
179 37.3 12.4 18.6





#72
 Anthracene
 Concen: 3.283 ng
 RT: 11.610 min Scan# 10
 Delta R.T. 0.023 min
 Lab File: BF131447.D
 Acq: 29 Nov 2022 00:45

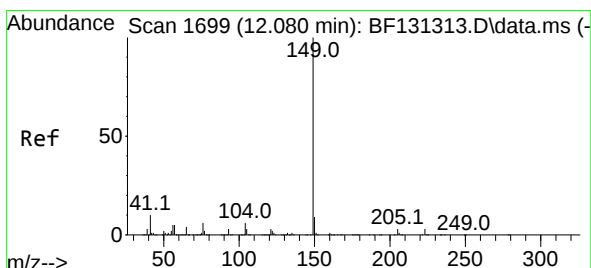
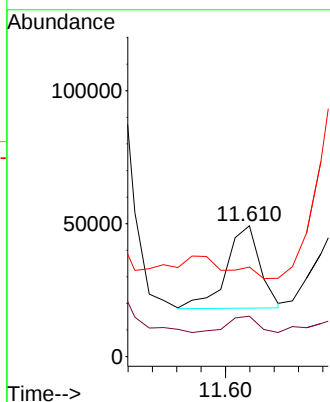
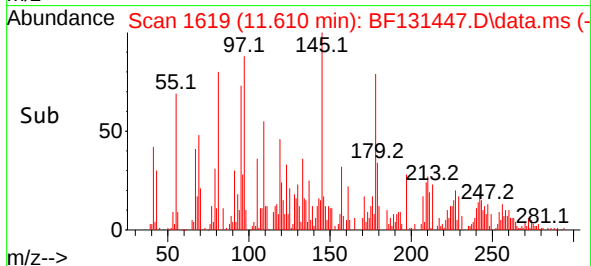
Instrument :
 BNA_F
 ClientSampleId :
 B-15S



Tgt Ion:178 Resp: 29912
 Ion Ratio Lower Upper
 178 100
 176 30.9 14.7 22.1#
 179 68.5 12.2 18.4#

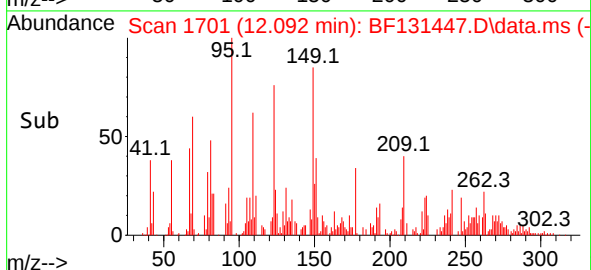
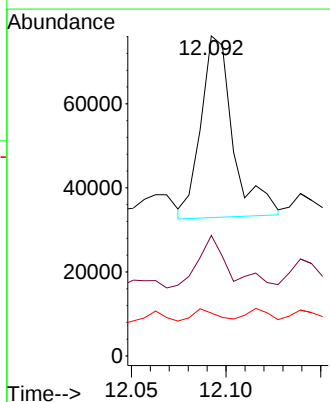
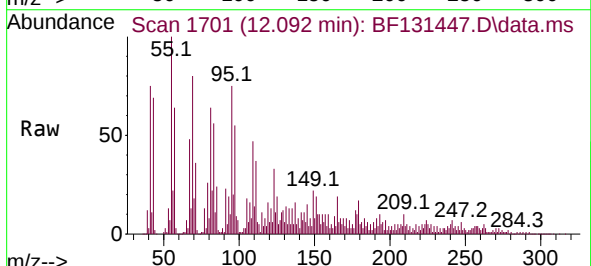
Manual Integrations
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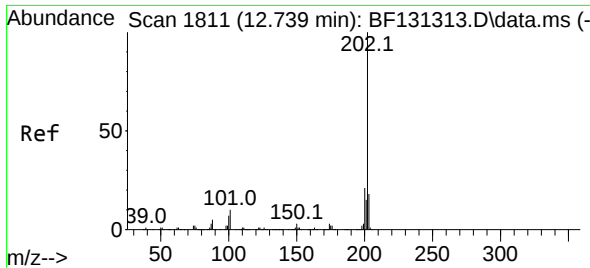
Reviewed By :Christian Giraldo 11/29/2022
 Supervised By :mohammad ahmed 12/02/2022



#74
 Di-n-butylphthalate
 Concen: 5.566 ng
 RT: 12.092 min Scan# 1701
 Delta R.T. 0.023 min
 Lab File: BF131447.D
 Acq: 29 Nov 2022 00:45

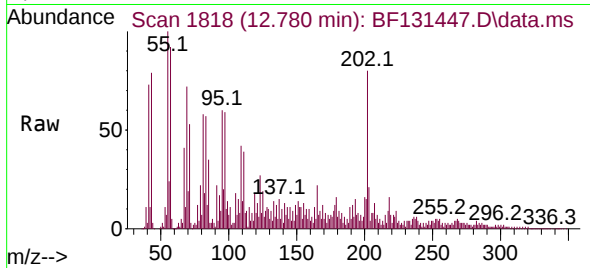
Tgt Ion:149 Resp: 50978
 Ion Ratio Lower Upper
 149 100
 150 37.6 7.3 10.9#
 104 13.4 4.7 7.1#





#75
Fluoranthene
Concen: 27.707 ng
RT: 12.780 min Scan# 1811
Delta R.T. 0.053 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

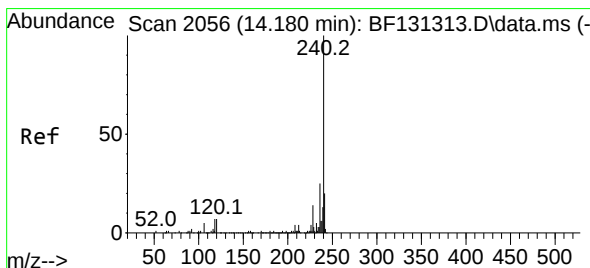
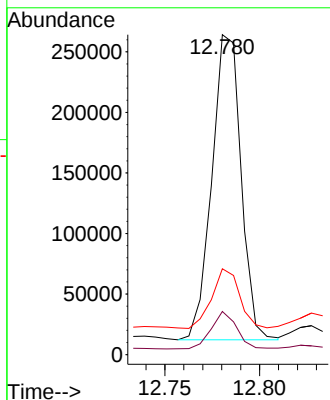
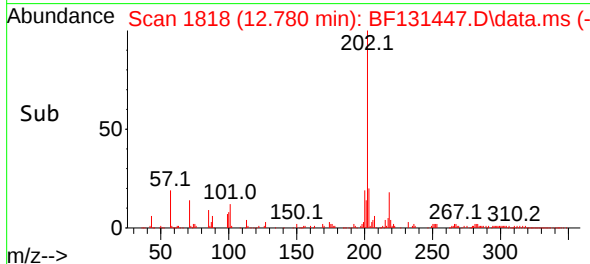
Instrument :
BNA_F
ClientSampleId :
B-15S



Tgt Ion:202 Resp: 270698
Ion Ratio Lower Upper
202 100
101 13.5 0.0 29.6
203 26.8 0.0 37.8

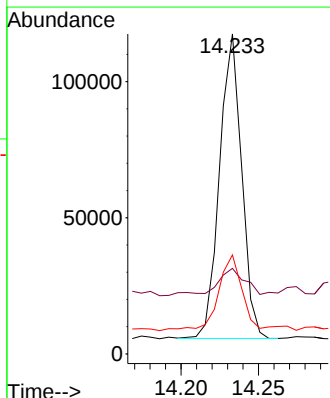
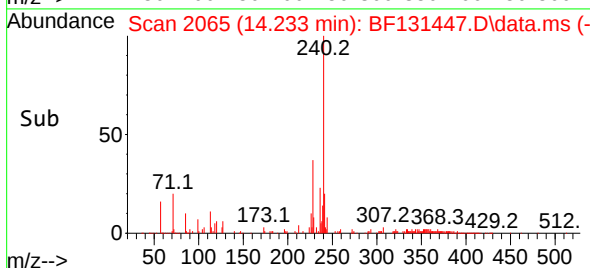
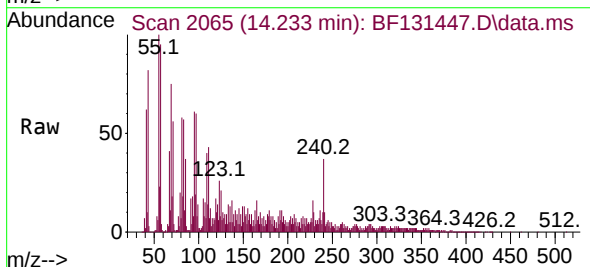
Manual Integrations
APPROVED

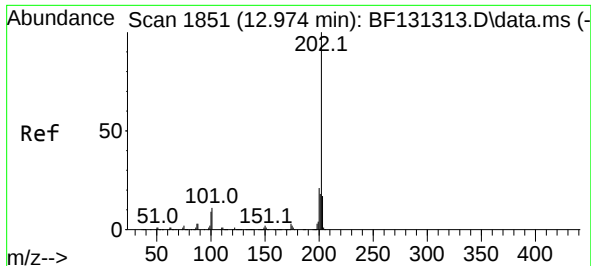
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.233 min Scan# 2065
Delta R.T. 0.065 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

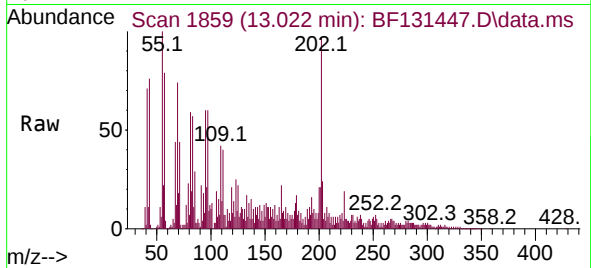
Tgt Ion:240 Resp: 111173
Ion Ratio Lower Upper
240 100
120 26.7 5.8 8.8#
236 30.9 20.3 30.5#





#78
Pyrene
Concen: 34.840 ng
RT: 13.022 min Scan# 1859
Delta R.T. 0.059 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

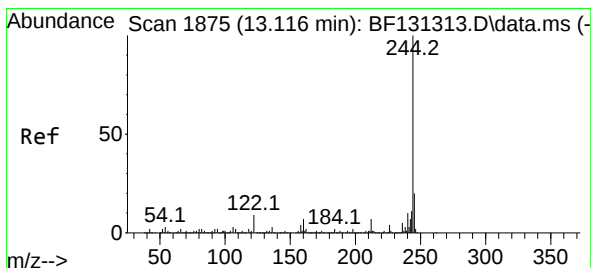
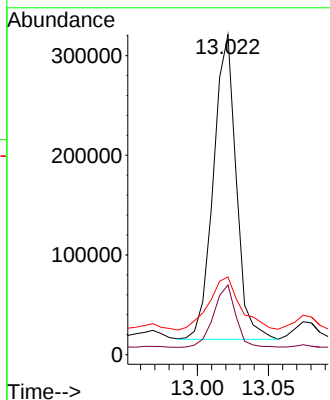
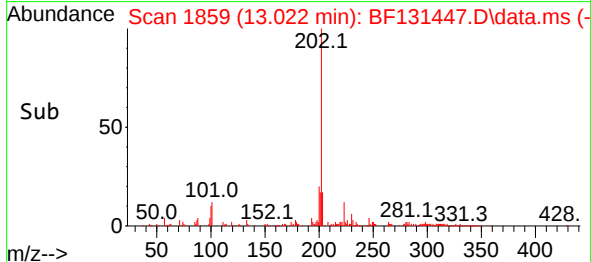
Instrument :
BNA_F
ClientSampleId :
B-15S



Tgt Ion:202 Resp: 341736
Ion Ratio Lower Upper
202 100
200 21.8 16.9 25.3
203 24.3 13.9 20.9

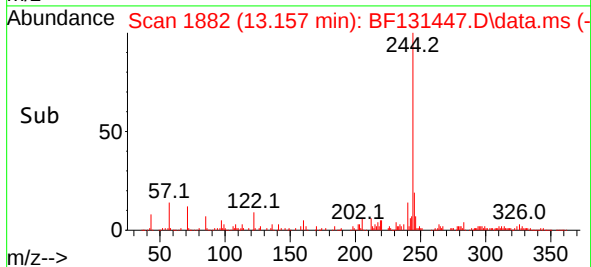
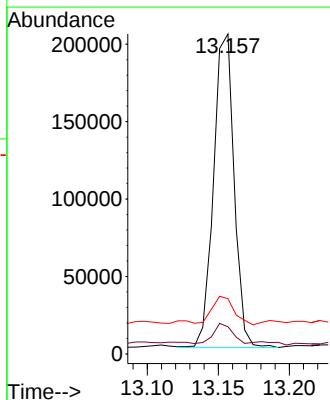
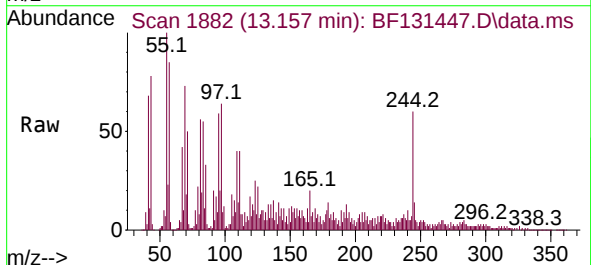
Manual Integrations
APPROVED

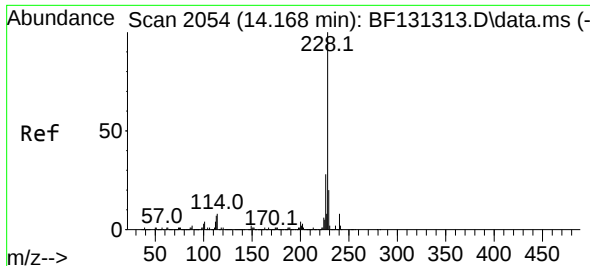
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#79
Terphenyl-d14
Concen: 30.108 ng
RT: 13.157 min Scan# 1882
Delta R.T. 0.053 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Tgt Ion:244 Resp: 204686
Ion Ratio Lower Upper
244 100
212 8.5 5.9 8.9
122 17.2 7.5 11.3





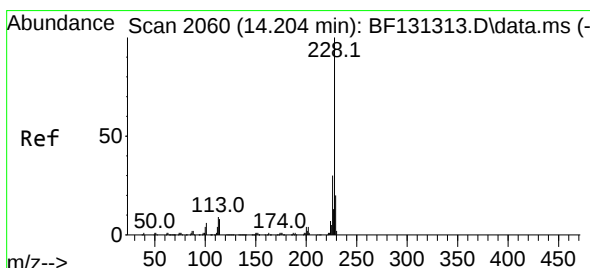
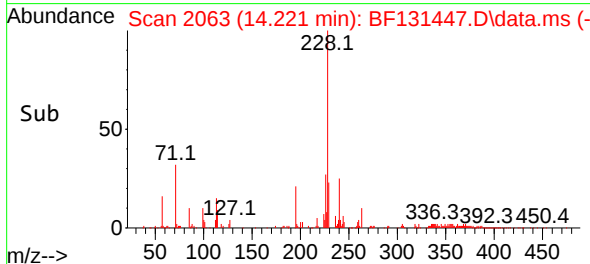
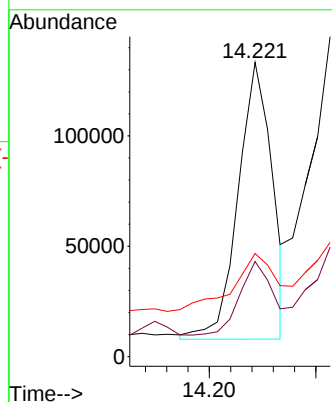
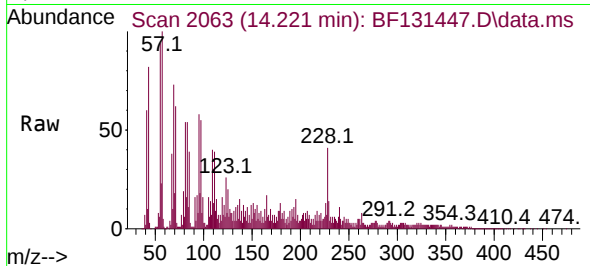
#81
Benzo(a)anthracene
Concen: 18.384 ng
RT: 14.221 min Scan# 2054
Delta R.T. 0.065 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Instrument :
BNA_F
ClientSampleId :
B-15S

Tgt Ion:228 Resp: 140093
Ion Ratio Lower Upper
228 100
226 32.3 22.0 33.0
229 35.0 15.7 23.5

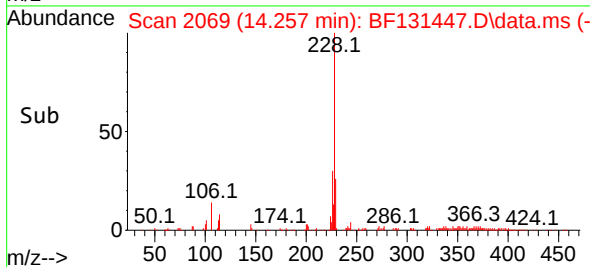
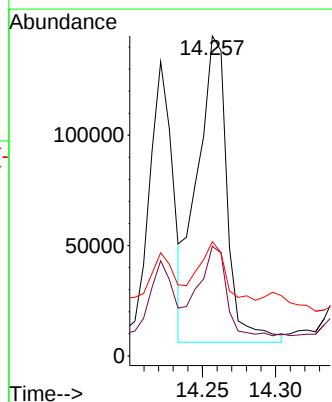
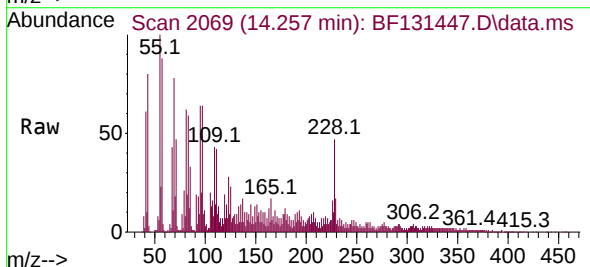
Manual Integrations
APPROVED

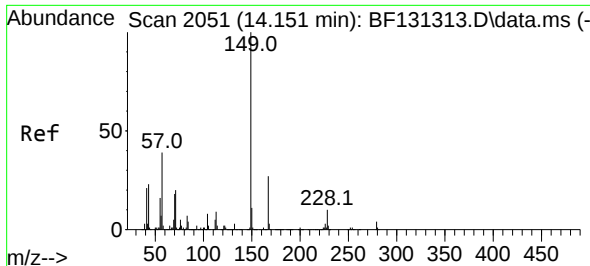
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#83
Chrysene
Concen: 26.483 ng m
RT: 14.257 min Scan# 2069
Delta R.T. 0.065 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Tgt Ion:228 Resp: 197998
Ion Ratio Lower Upper
228 100
226 34.2 23.7 35.5
229 35.7 16.2 24.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 42.525 ng
RT: 14.186 min Scan# 2051
Delta R.T. 0.047 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Instrument :

BNA_F

ClientSampleId :

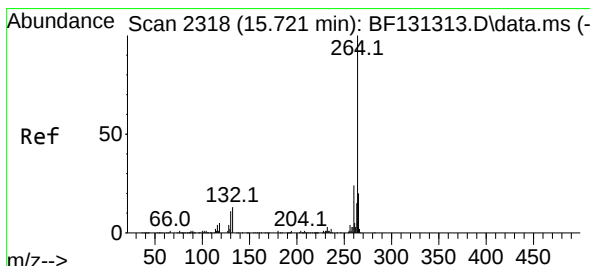
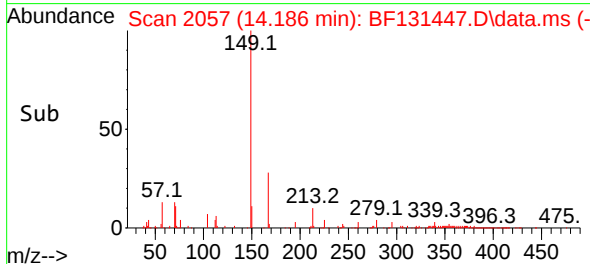
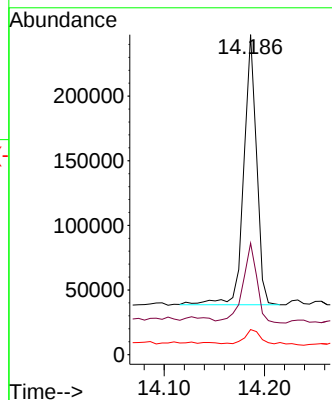
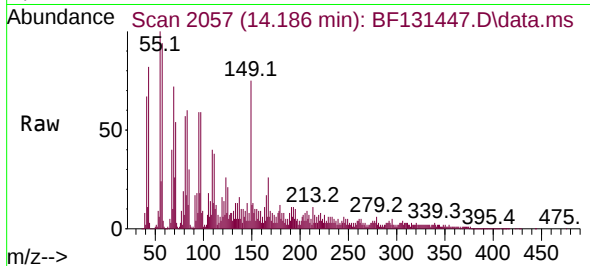
B-15S

Tgt Ion:149 Resp: 184196
Ion Ratio Lower Upper
149 100
167 34.8 21.9 32.9
279 7.8 3.0 4.4

Manual Integrations

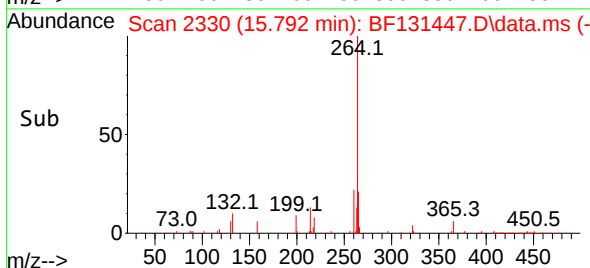
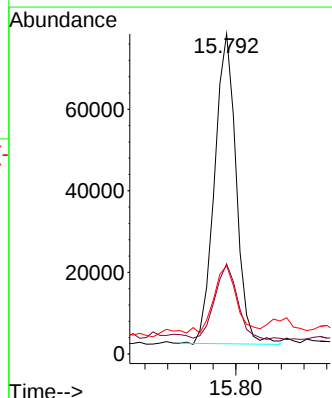
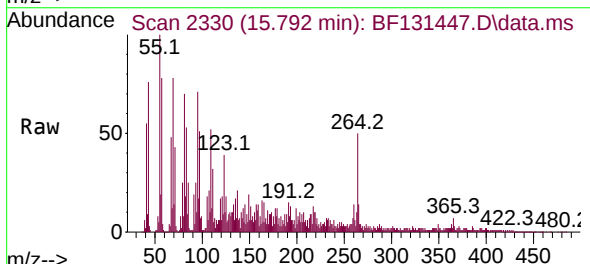
APPROVED

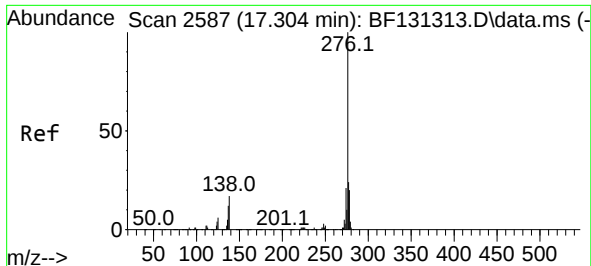
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.792 min Scan# 2330
Delta R.T. 0.094 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Tgt Ion:264 Resp: 100200
Ion Ratio Lower Upper
264 100
260 28.2 19.0 28.4
265 27.5 16.4 24.6





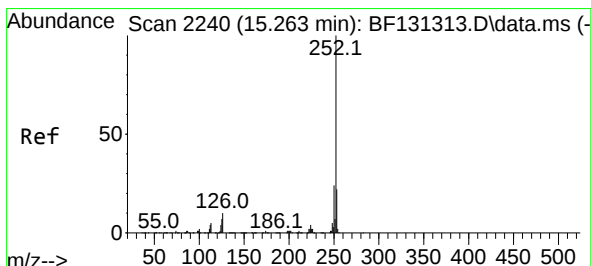
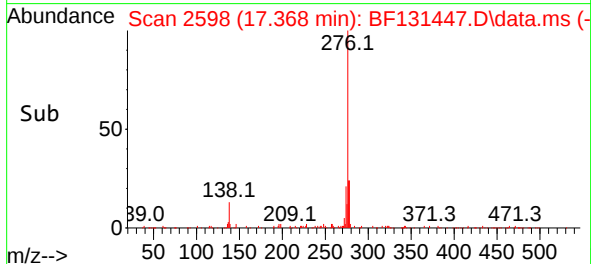
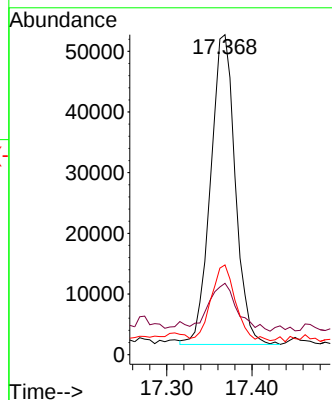
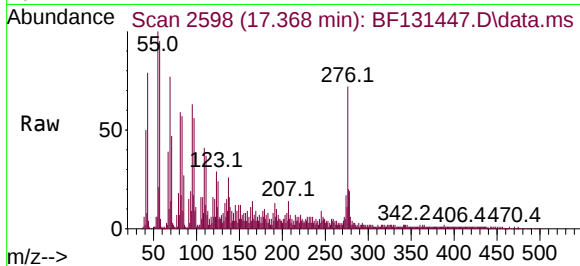
#87
Indeno(1,2,3-cd)pyrene
Concen: 15.240 ng
RT: 17.368 min Scan# 21
Delta R.T. 0.094 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

Instrument :
BNA_F
ClientSampleId :
B-15S

Tgt Ion:276 Resp: 102563
Ion Ratio Lower Upper
276 100
138 17.7 15.8 23.6
277 24.1 20.3 30.5

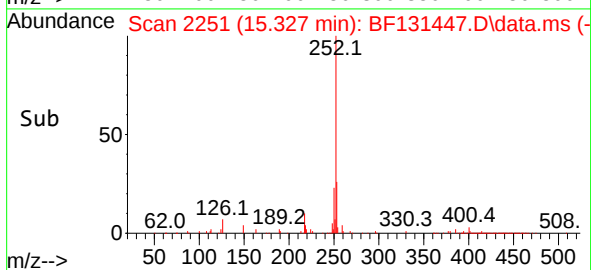
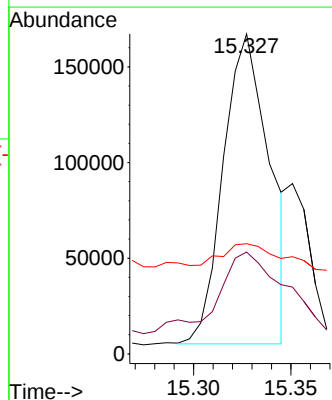
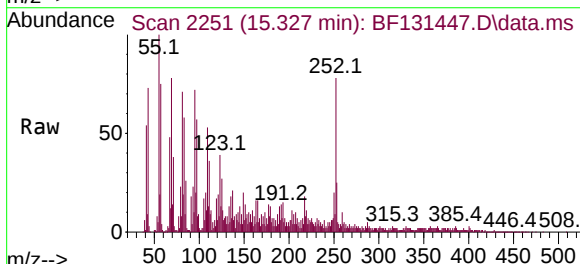
Manual Integrations
APPROVED

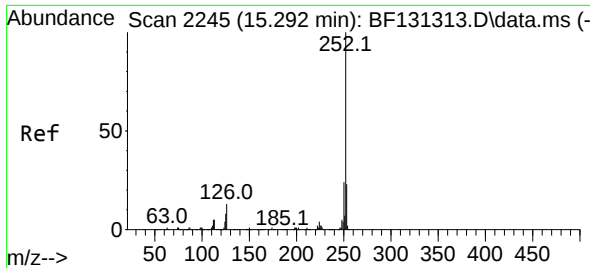
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#88
Benzo(b)fluoranthene
Concen: 40.173 ng m
RT: 15.327 min Scan# 2251
Delta R.T. 0.082 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

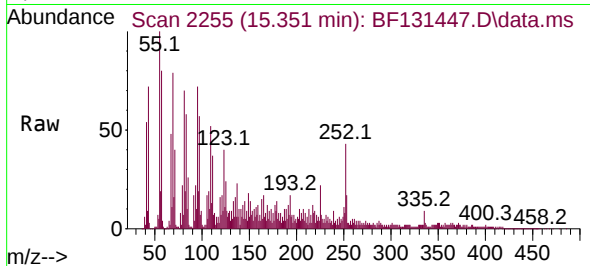
Tgt Ion:252 Resp: 267411
Ion Ratio Lower Upper
252 100
253 31.8 17.5 26.3#
125 34.4 5.8 8.6#





#89
Benzo(k)fluoranthene
Concen: 11.039 ng m
RT: 15.351 min Scan# 2245
Delta R.T. 0.071 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45

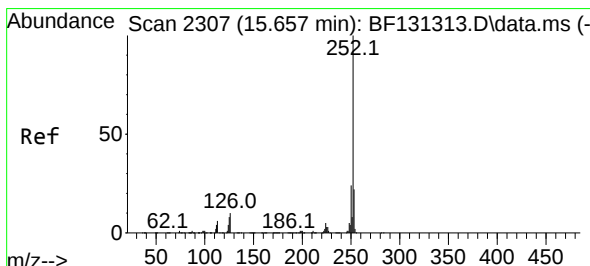
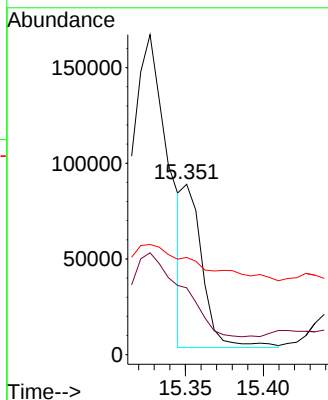
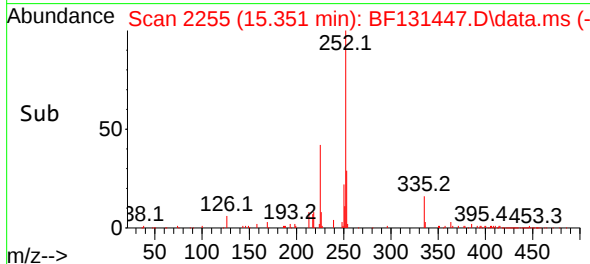
Instrument :
BNA_F
ClientSampleId :
B-15S



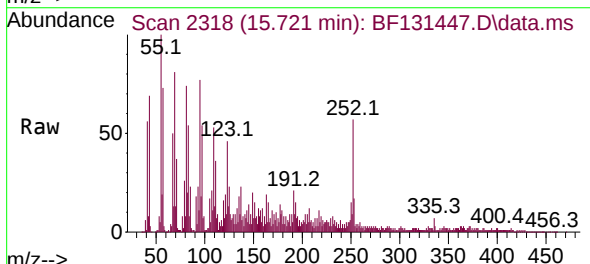
Tgt Ion:252 Resp: 75514
Ion Ratio Lower Upper
252 100
253 39.2 17.9 26.9#
125 57.1 6.6 10.0#

Manual Integrations
APPROVED

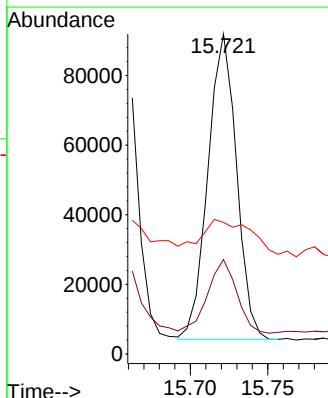
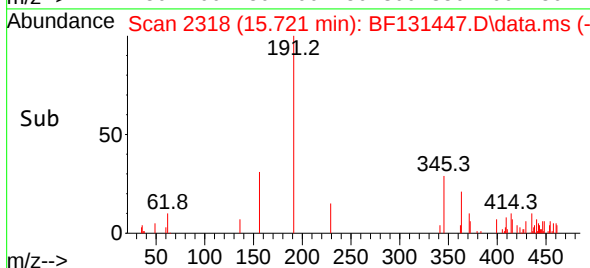
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

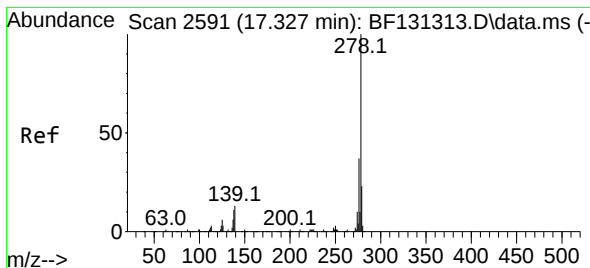


#90
Benzo(a)pyrene
Concen: 20.671 ng
RT: 15.721 min Scan# 2318
Delta R.T. 0.082 min
Lab File: BF131447.D
Acq: 29 Nov 2022 00:45



Tgt Ion:252 Resp: 112901
Ion Ratio Lower Upper
252 100
253 29.5 17.5 26.3#
125 41.1 6.1 9.1#





#91

Dibenzo(a,h)anthracene

Concen: 5.346 ng

RT: 17.374 min Scan# 2591

Delta R.T. 0.076 min

Lab File: BF131447.D

Acq: 29 Nov 2022 00:45

Instrument :

BNA_F

ClientSampleId :

B-15S

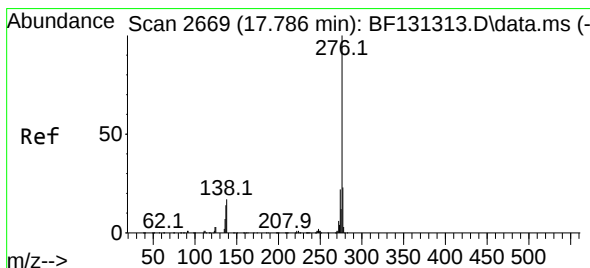
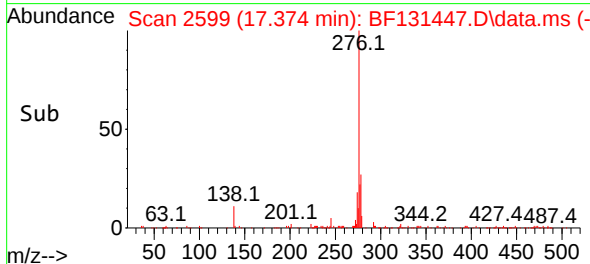
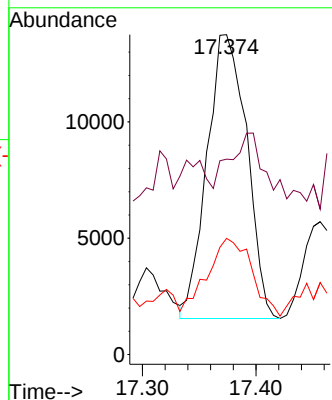
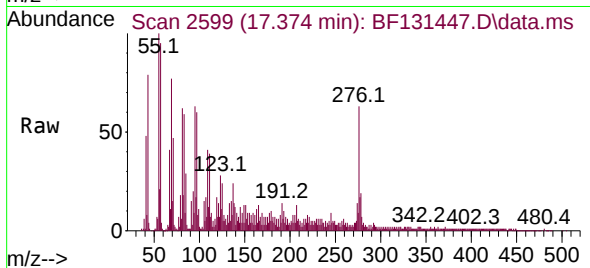
Tgt Ion: 278 Resp: 2970

Ion	Ratio	Lower	Upper
278	100		
139	61.1	10.4	15.6
279	36.3	18.3	27.5

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 24.461 ng

RT: 17.851 min Scan# 2680

Delta R.T. 0.094 min

Lab File: BF131447.D

Acq: 29 Nov 2022 00:45

Tgt Ion: 276 Resp: 135649

Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.3	27.5
138	23.6	13.8	20.6

