

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112922\
 Data File : BF131457.D
 Acq On : 29 Nov 2022 15:25
 Operator : CG\JU
 Sample : N5762-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 30 01:05:54 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

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :mohammad ahmed 12/01/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	144815	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	562786	20.000	ng	#-0.01
39) Acenaphthene-d10	9.998	164	320230	20.000	ng	-0.01
64) Phenanthrene-d10	11.498	188	558396	20.000	ng	0.00
76) Chrysene-d12	14.151	240	382613	20.000	ng	#-0.02
86) Perylene-d12	15.686	264	305393	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1211360	159.202	ng	0.02
7) Phenol-d6	6.575	99	1534390	158.052	ng	0.00
23) Nitrobenzene-d5	7.510	82	986010	88.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.798	330	441270	163.790	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1710089	77.690	ng	-0.01
79) Terphenyl-d14	13.092	244	1773837	75.813	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	10.028	154	37815	2.021	ng	99
71) Phenanthrene	11.516	178	295757	9.801	ng	98
72) Anthracene	11.569	178	70031	2.361	ng	99
75) Fluoranthene	12.716	202	385807	12.133	ng	99
78) Pyrene	12.945	202	307227	9.101	ng	99
81) Benzo(a)anthracene	14.139	228	145155	5.535	ng	97
83) Chrysene	14.174	228	129839	5.046	ng	99
87) Indeno(1,2,3-cd)pyrene	17.233	276	51968	2.534	ng	96
88) Benzo(b)fluoranthene	15.227	252	138377m	6.821	ng	
89) Benzo(k)fluoranthene	15.251	252	44047m	2.113	ng	
90) Benzo(a)pyrene	15.615	252	87612	5.263	ng	# 96
92) Benzo(g,h,i)perylene	17.709	276	46617	2.758	ng	96

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

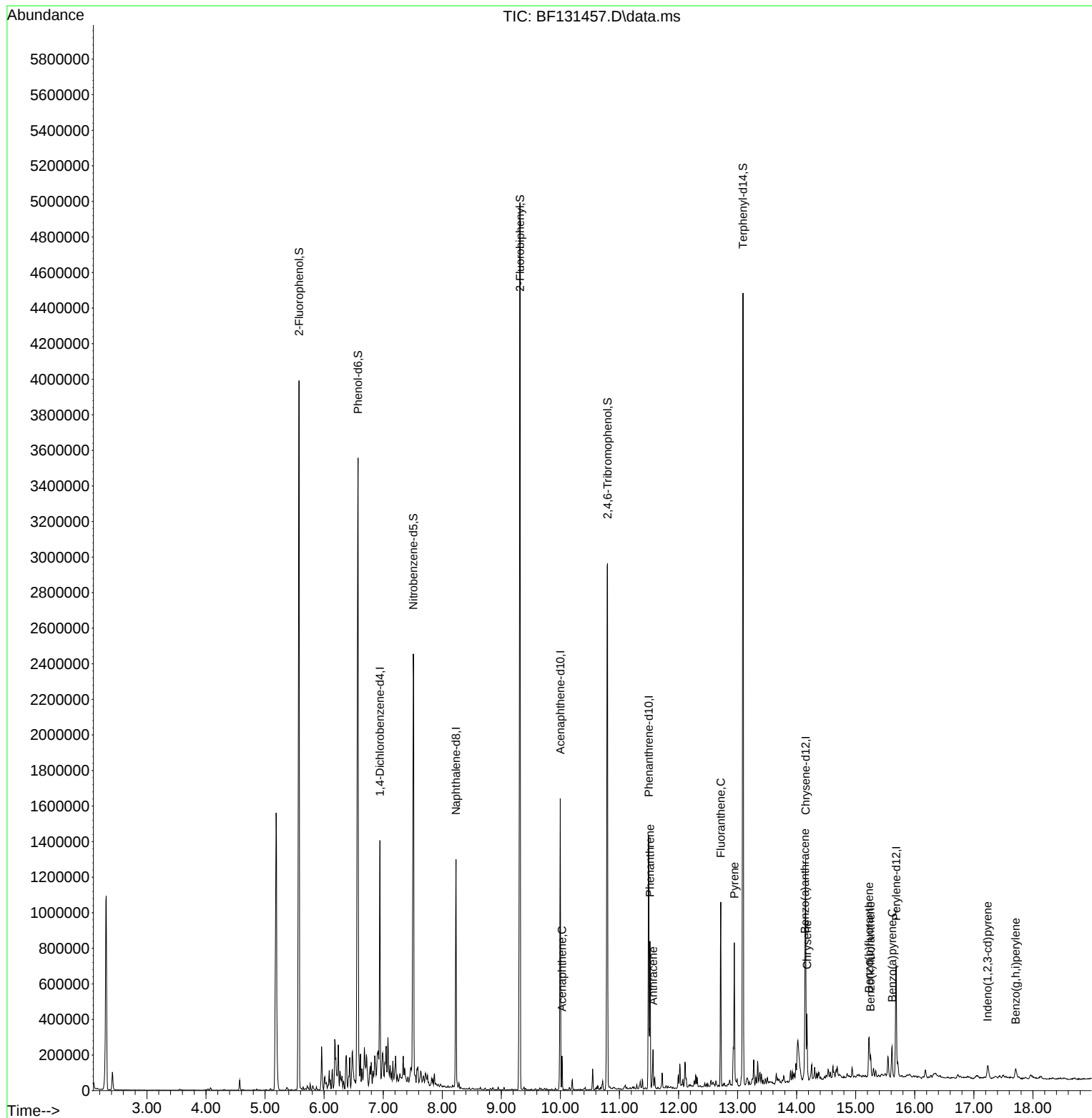
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112922\
Data File : BF131457.D
Acq On : 29 Nov 2022 15:25
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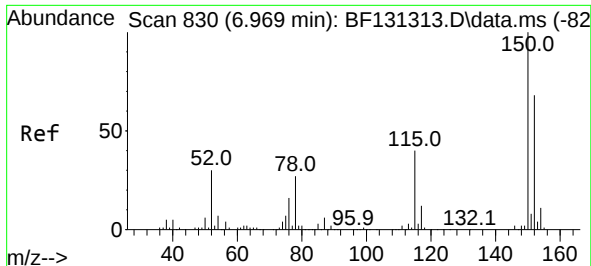
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Nov 30 01:05:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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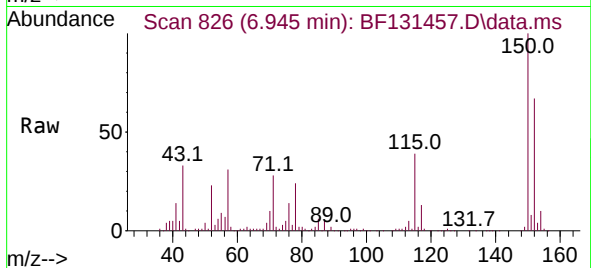
Reviewed By : Christian Giraldo 11/30/2022
Supervised By : mohammad ahmed 12/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

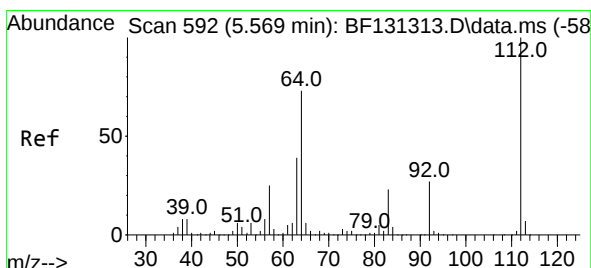
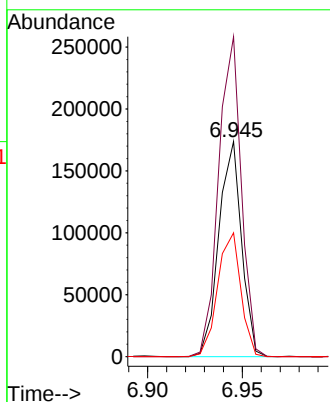
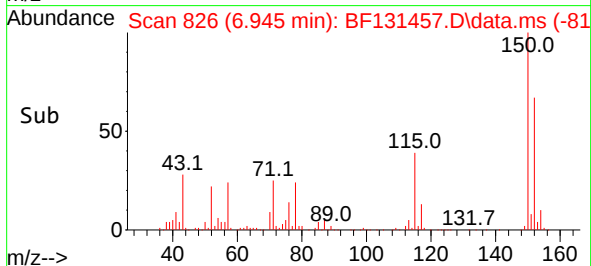
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 144815
Ion Ratio Lower Upper
152 100
150 148.8 117.8 176.8
115 57.6 47.1 70.7

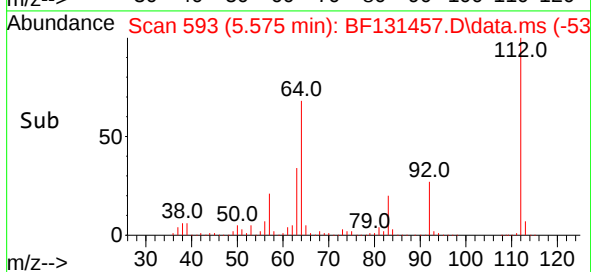
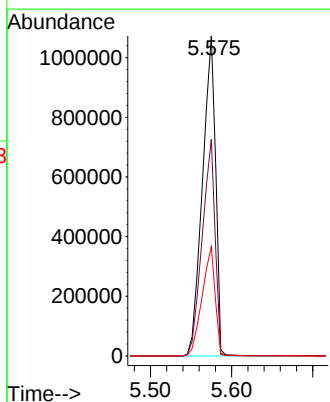
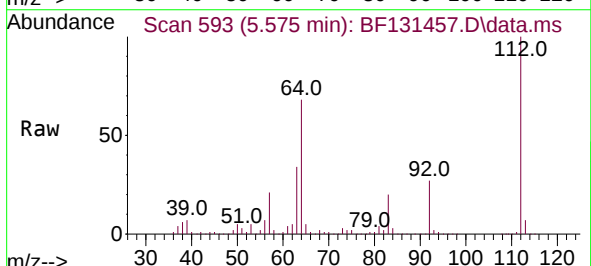
Manual Integrations
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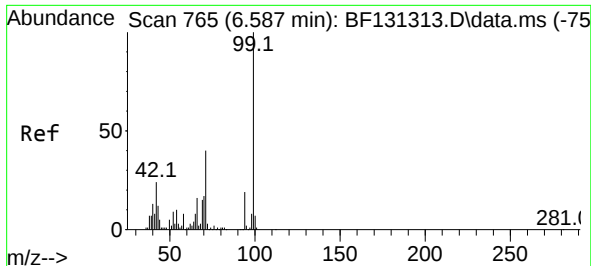
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#5
2-Fluorophenol
Concen: 159.202 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

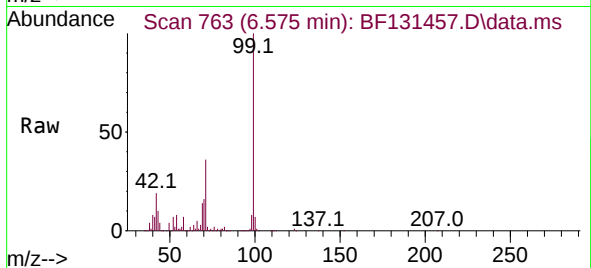
Tgt Ion:112 Resp: 1211360
Ion Ratio Lower Upper
112 100
64 67.7 58.6 88.0
63 34.1 31.4 47.0





#7
Phenol-d6
Concen: 158.052 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

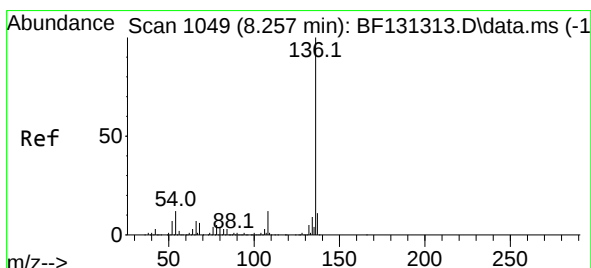
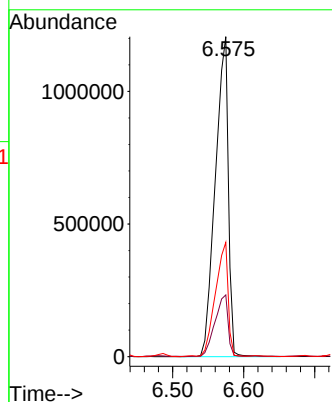
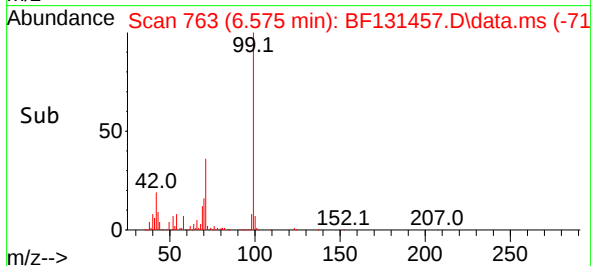
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 99 Resp: 1534390
Ion Ratio Lower Upper
99 100
42 19.3 19.4 29.2
71 35.7 32.3 48.5

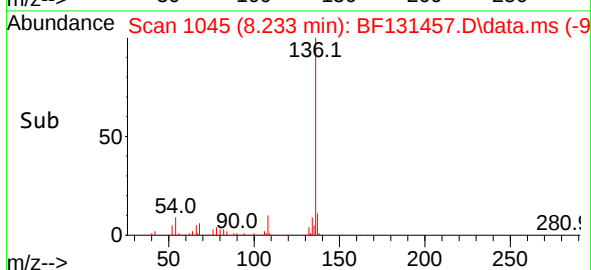
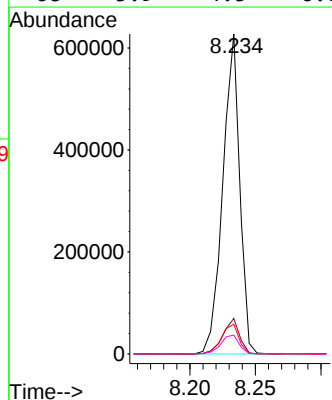
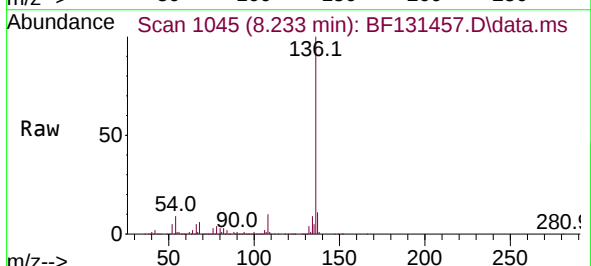
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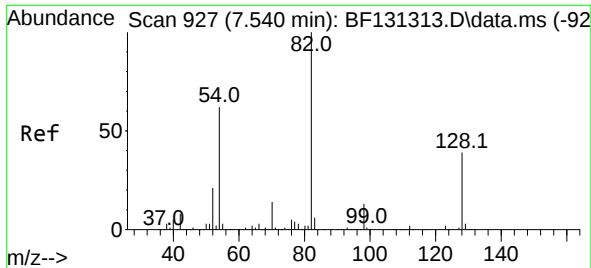
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1045
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

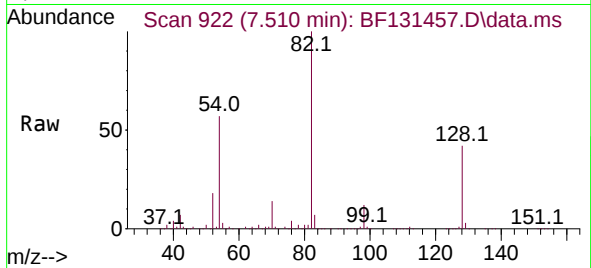
Tgt Ion:136 Resp: 562786
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.3 9.4 14.0
68 5.9 4.5 6.7





#23
Nitrobenzene-d5
Concen: 88.317 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

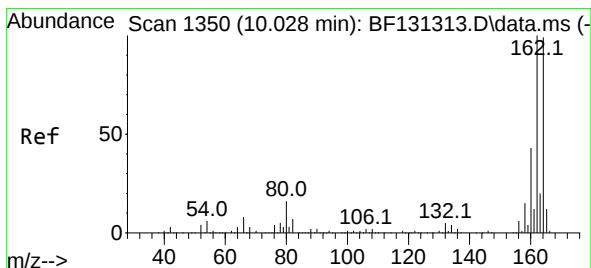
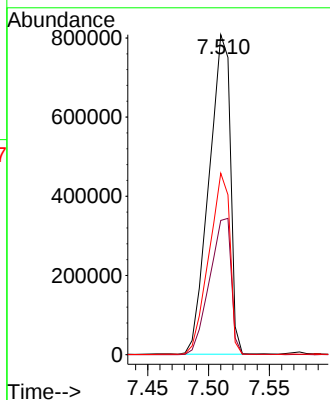
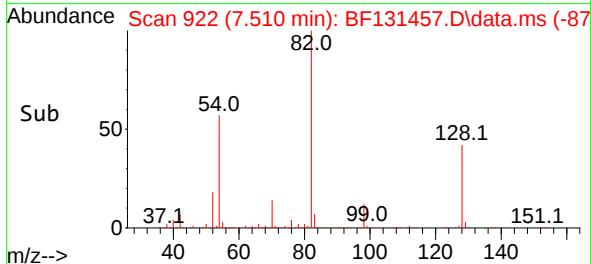
Instrument :
BNA_F
ClientSampleId :
TP-1



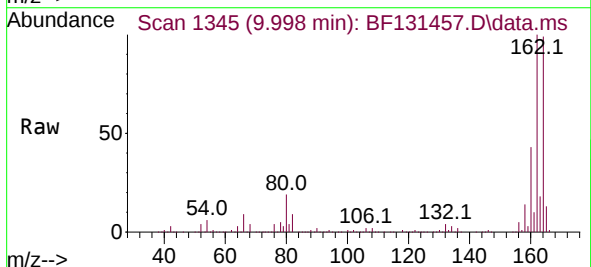
Tgt Ion: 82 Resp: 986010
Ion Ratio Lower Upper
82 100
128 41.9 31.4 47.0
54 56.7 49.8 74.6

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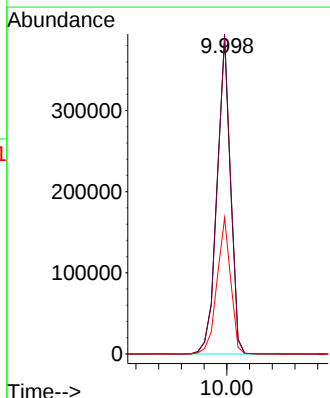
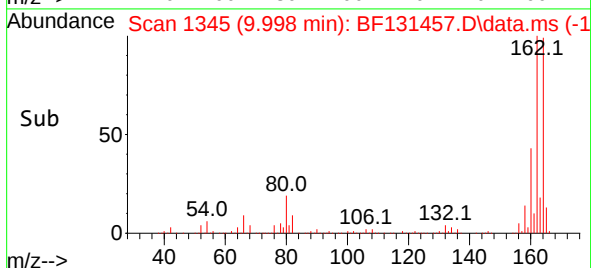
Reviewed By :Christian Giraldo 11/30/2022
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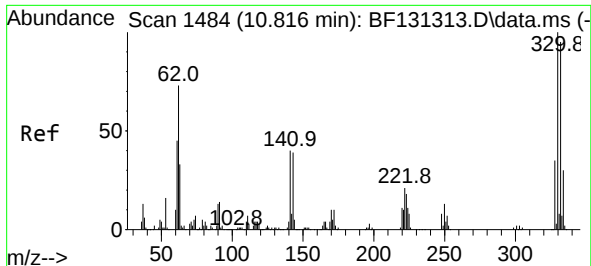


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25



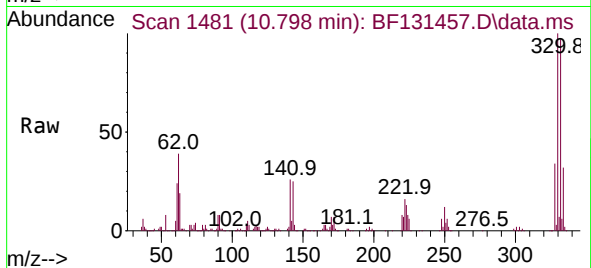
Tgt Ion:164 Resp: 320230
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 43.1 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 163.790 ng
RT: 10.798 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

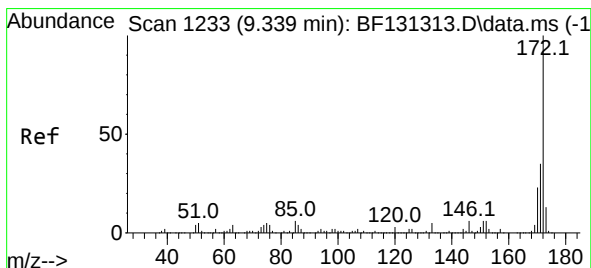
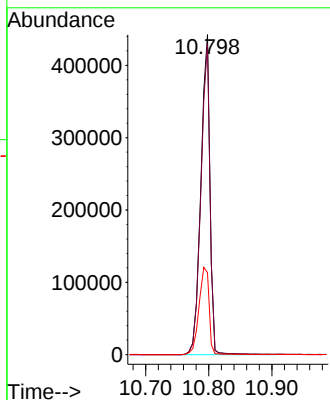
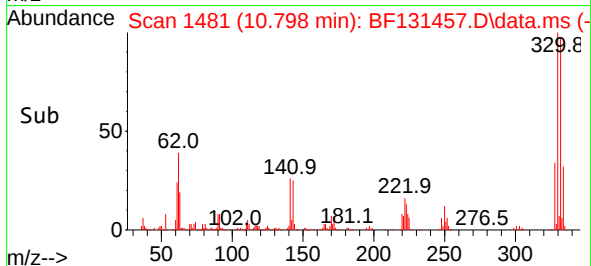
Instrument :
BNA_F
ClientSampleId :
TP-1



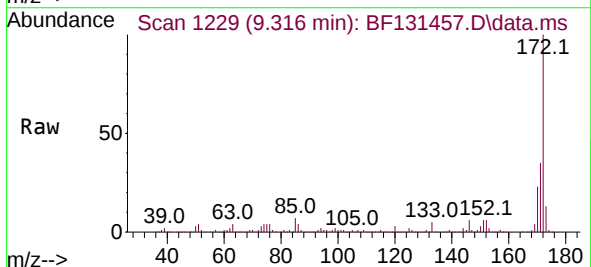
Tgt Ion: 330 Resp: 441270
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 30.4 29.3 43.9

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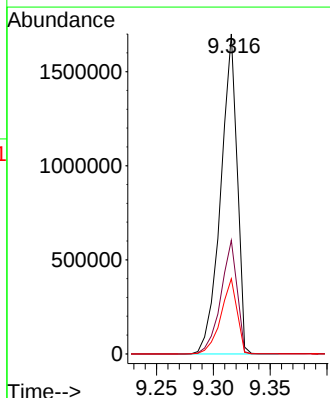
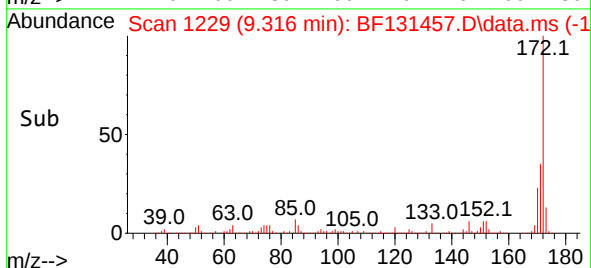
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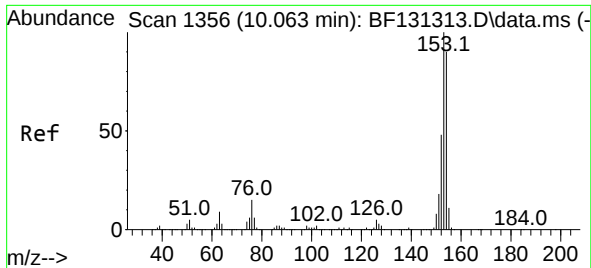


#45
2-Fluorobiphenyl
Concen: 77.690 ng
RT: 9.316 min Scan# 1229
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25



Tgt Ion: 172 Resp: 1710089
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.5 18.7 28.1





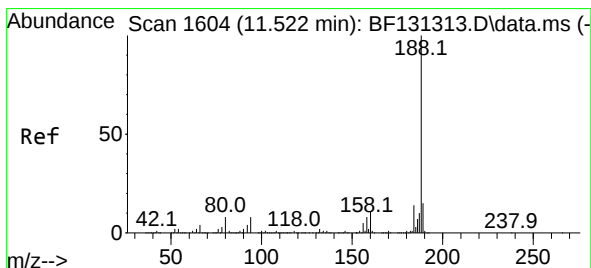
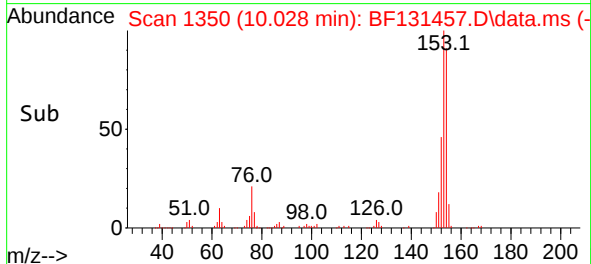
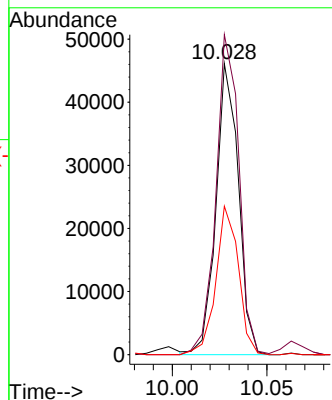
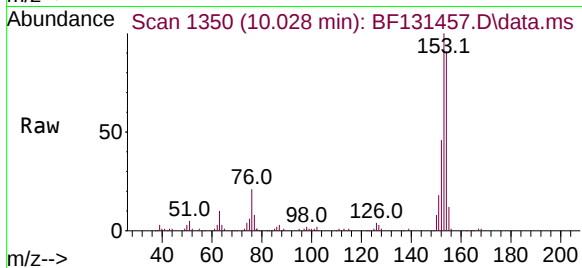
#52
Acenaphthene
Concen: 2.021 ng
RT: 10.028 min Scan# 1356
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:154 Resp: 37815
Ion Ratio Lower Upper
154 100
153 110.0 88.4 132.6
152 51.0 42.8 64.2

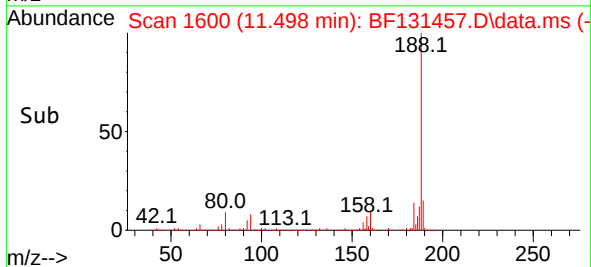
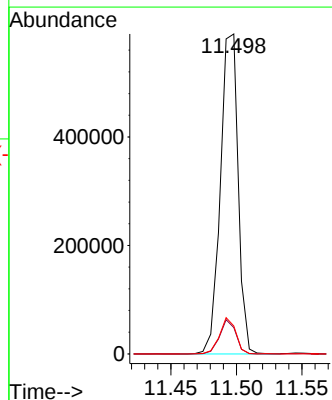
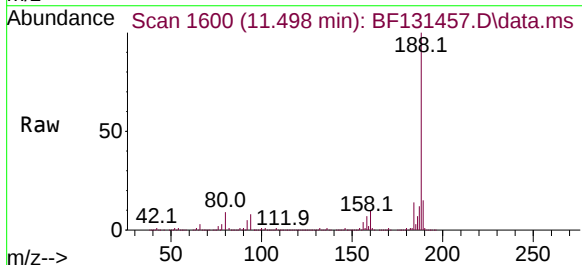
Manual Integrations
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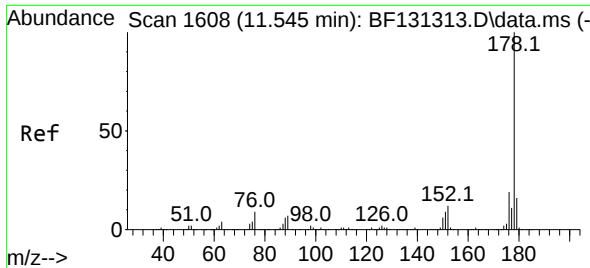
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

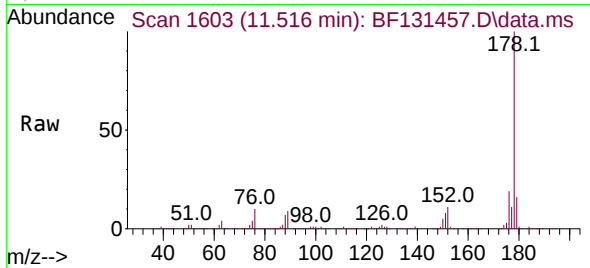
Tgt Ion:188 Resp: 558396
Ion Ratio Lower Upper
188 100
94 8.2 6.3 9.5
80 8.7 6.8 10.2





#71
Phenanthrene
Concen: 9.801 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

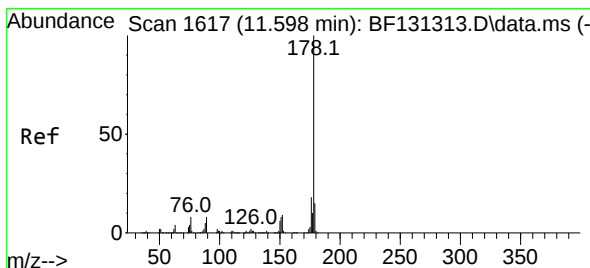
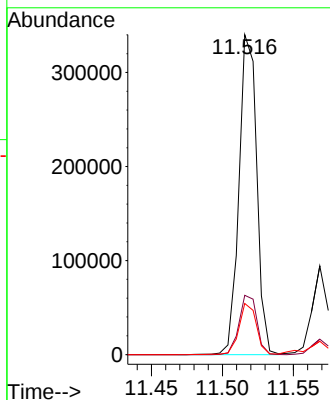
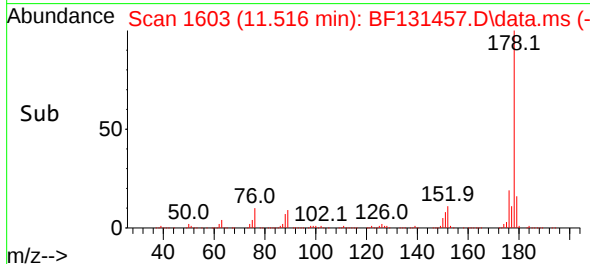
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:178 Resp: 295752
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 16.0 12.4 18.6

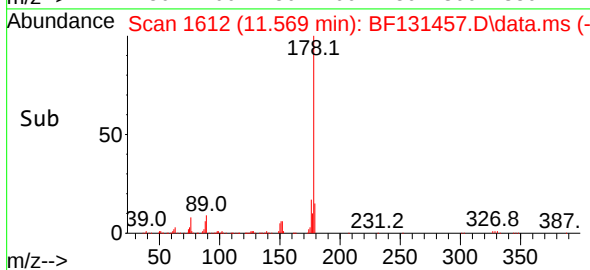
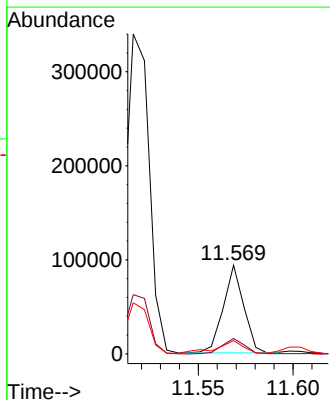
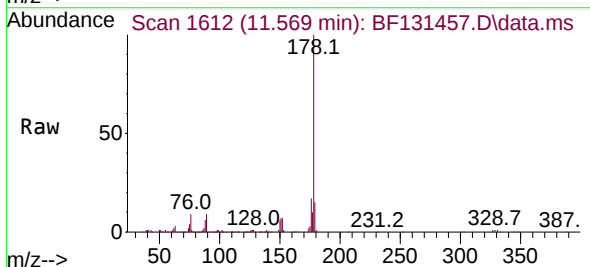
Manual Integrations
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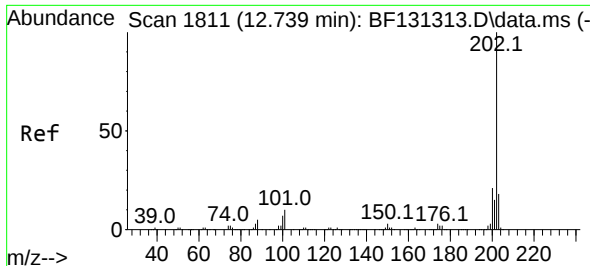
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#72
Anthracene
Concen: 2.361 ng
RT: 11.569 min Scan# 1612
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

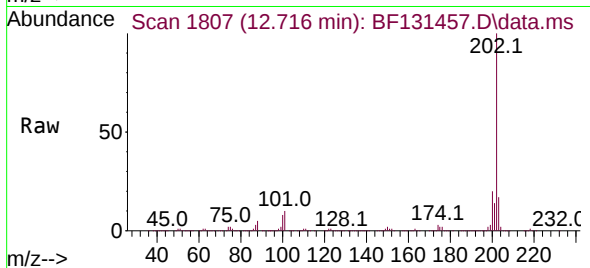
Tgt Ion:178 Resp: 70031
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 15.1 12.2 18.4





#75
Fluoranthene
Concen: 12.133 ng
RT: 12.716 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

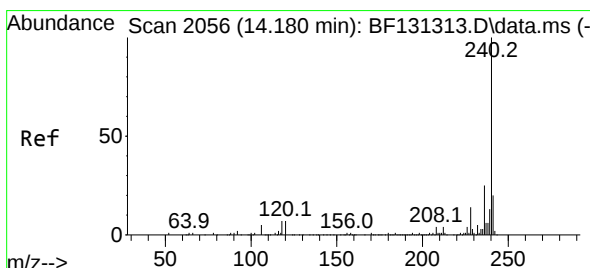
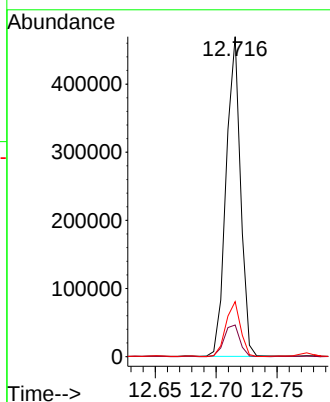
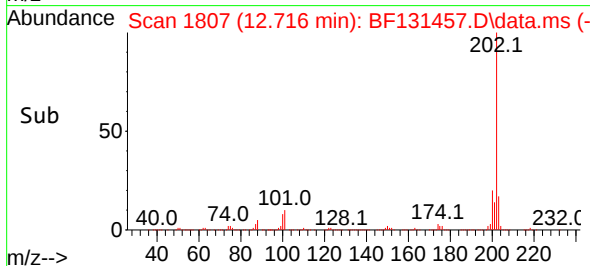
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 385807
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.2 0.0 37.8

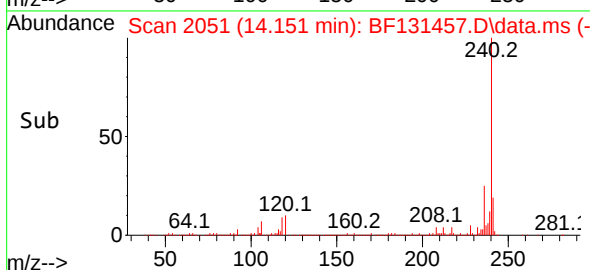
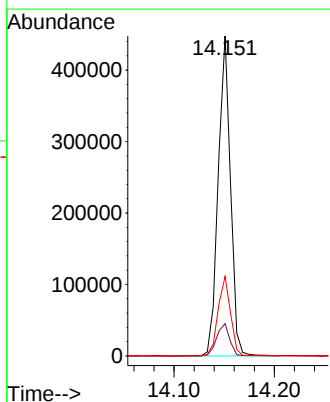
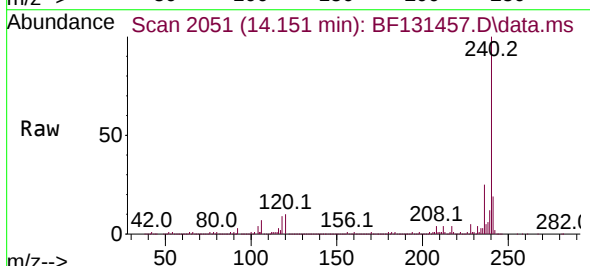
Manual Integrations
APPROVED

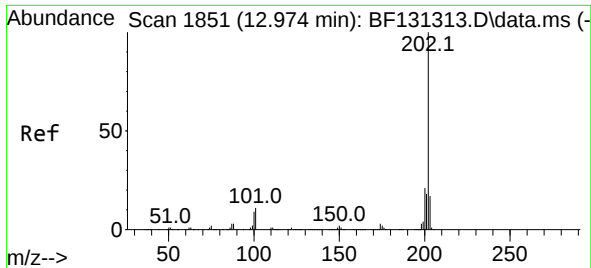
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

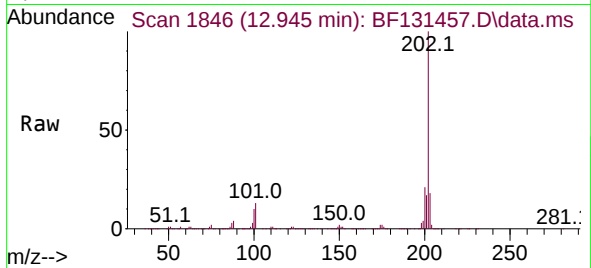
Tgt Ion:240 Resp: 382613
Ion Ratio Lower Upper
240 100
120 10.1 5.8 8.8#
236 24.8 20.3 30.5





#78
Pyrene
Concen: 9.101 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

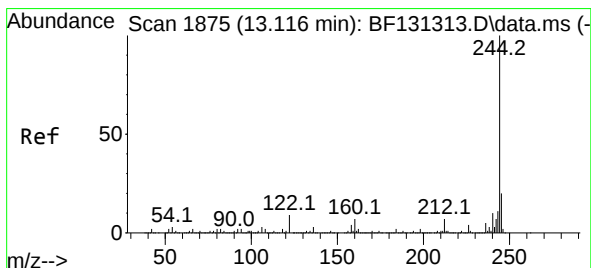
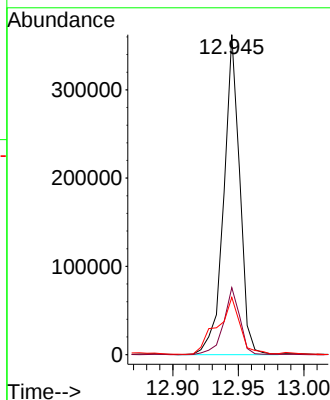
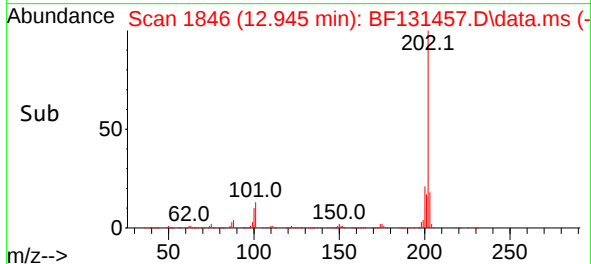
Instrument :
BNA_F
ClientSampleId :
TP-1



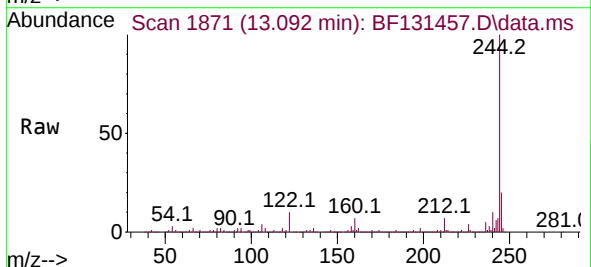
Tgt Ion:202 Resp: 307227
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.9 13.9 20.9

Manual Integrations
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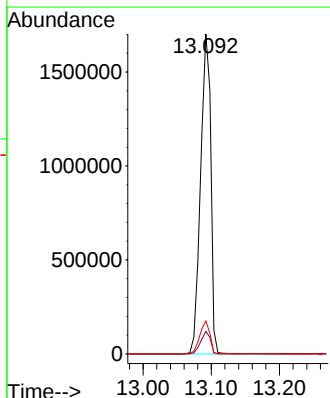
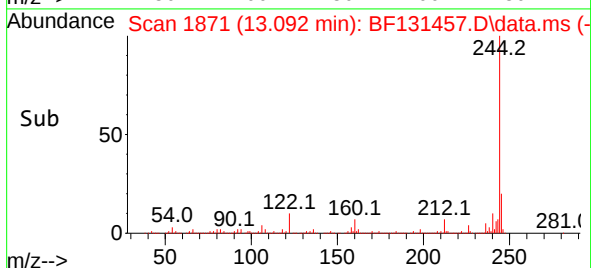
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022

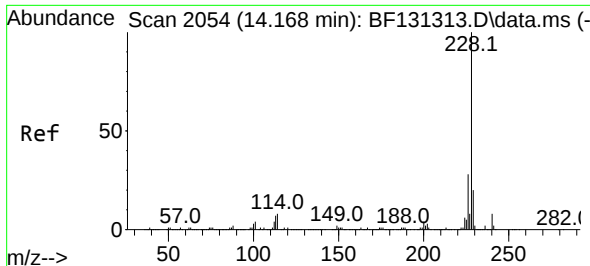


#79
Terphenyl-d14
Concen: 75.813 ng
RT: 13.092 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25



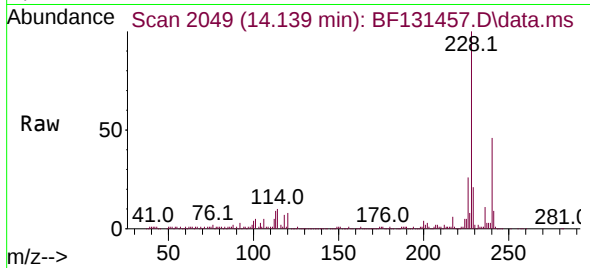
Tgt Ion:244 Resp: 1773837
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.3 7.5 11.3





#81
Benzo(a)anthracene
Concen: 5.535 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

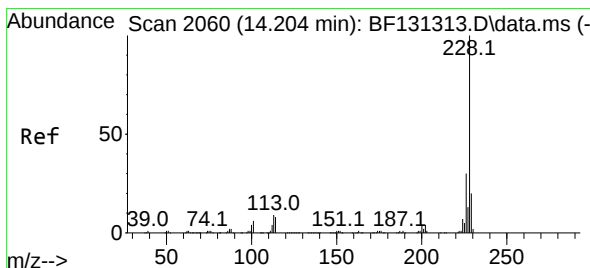
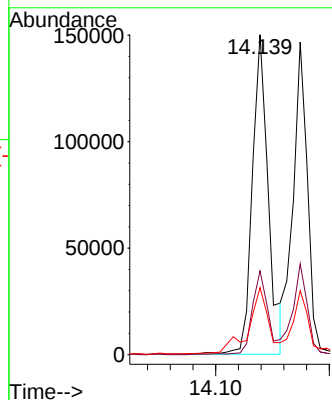
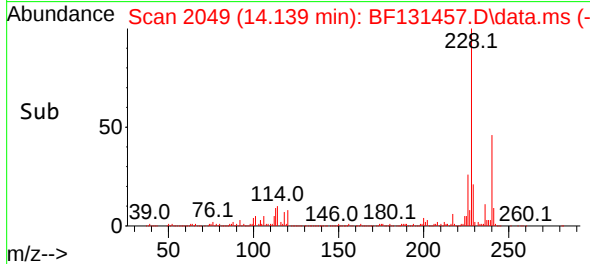
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 145155
Ion Ratio Lower Upper
228 100
226 26.1 22.0 33.0
229 20.9 15.7 23.5

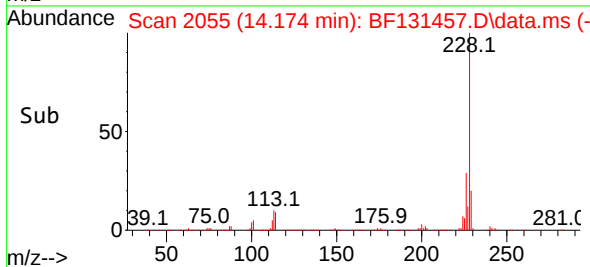
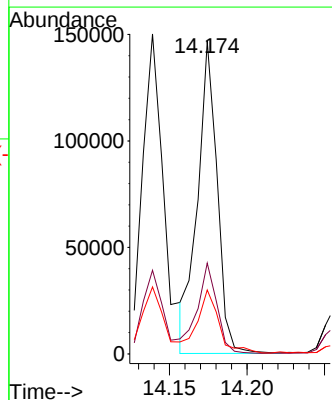
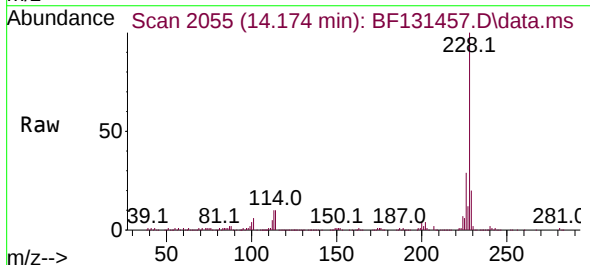
Manual Integrations
APPROVED

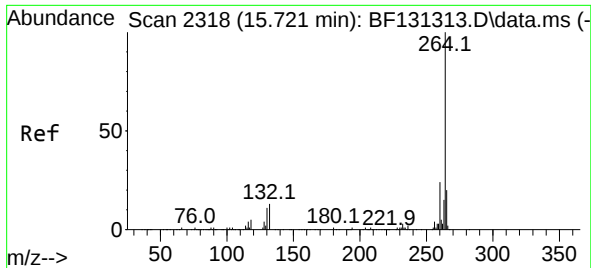
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#83
Chrysene
Concen: 5.046 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

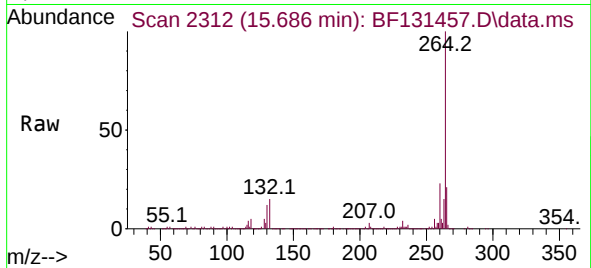
Tgt Ion:228 Resp: 129839
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 20.5 16.2 24.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.686 min Scan# 2318
 Delta R.T. -0.012 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

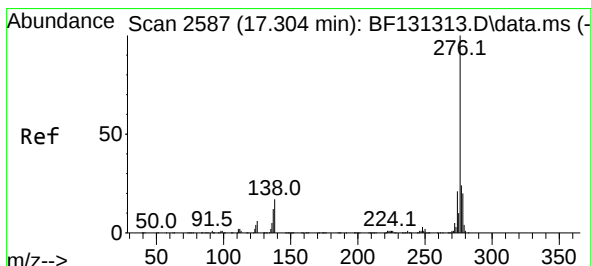
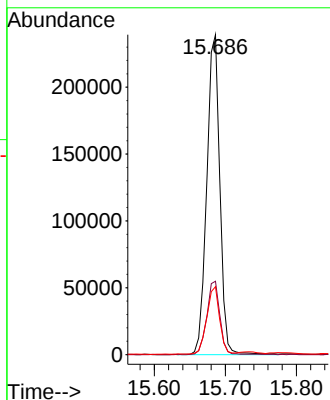
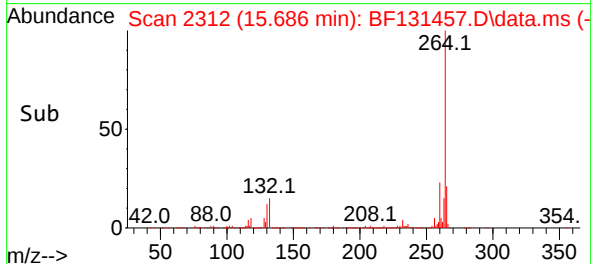
Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion:264 Resp: 305393
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.0 28.4
 265 21.2 16.4 24.6

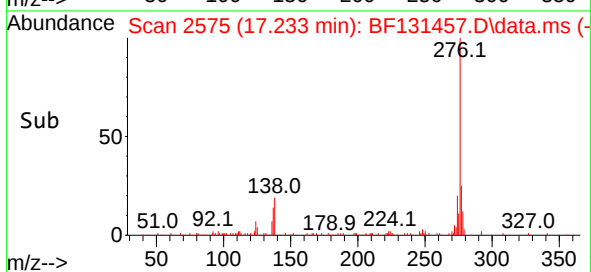
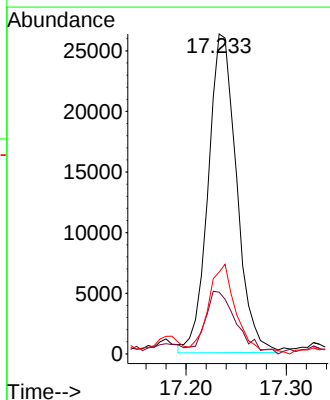
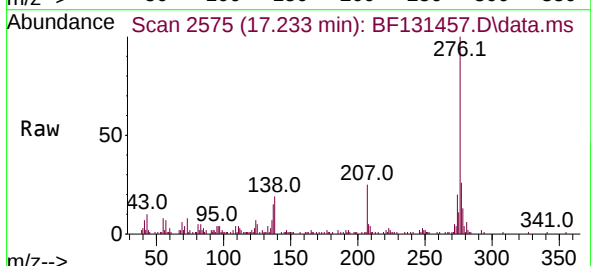
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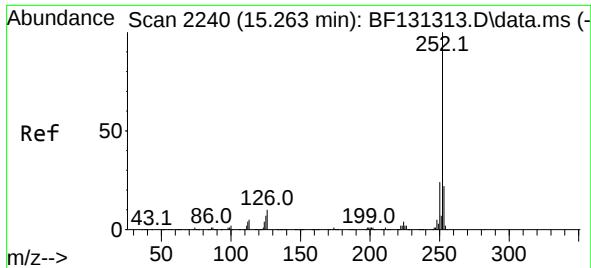
Reviewed By :Christian Giraldo 11/30/2022
 Supervised By :mohammad ahmed 12/01/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.534 ng
 RT: 17.233 min Scan# 2575
 Delta R.T. -0.041 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

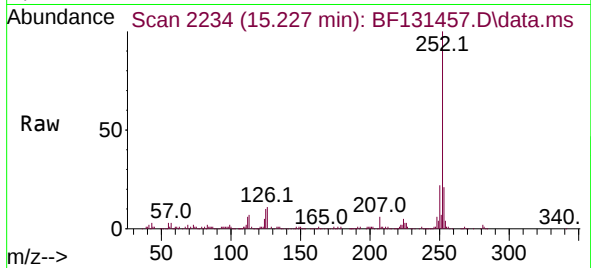
Tgt Ion:276 Resp: 51968
 Ion Ratio Lower Upper
 276 100
 138 21.8 15.8 23.6
 277 27.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 6.821 ng m
RT: 15.227 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

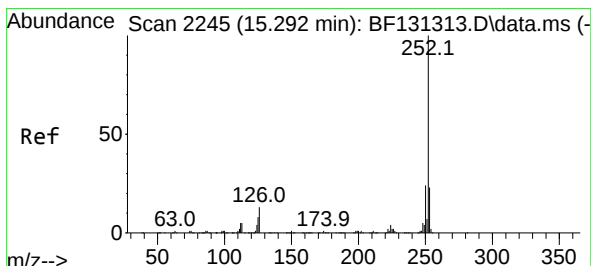
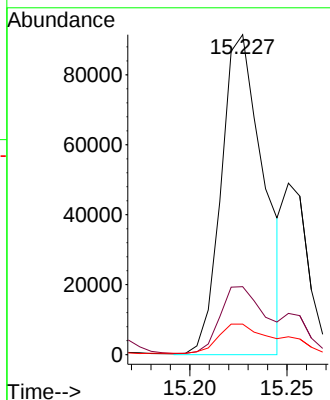
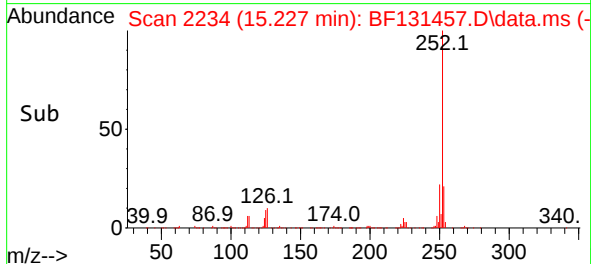
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 13837
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 9.5 5.8 8.6

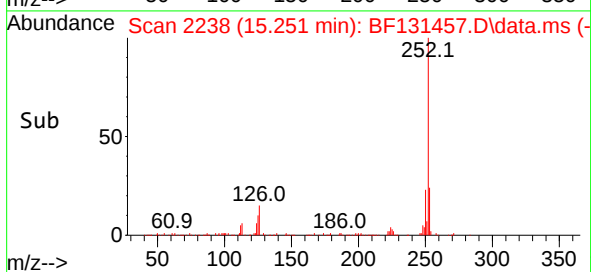
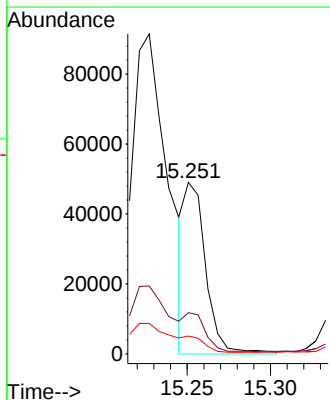
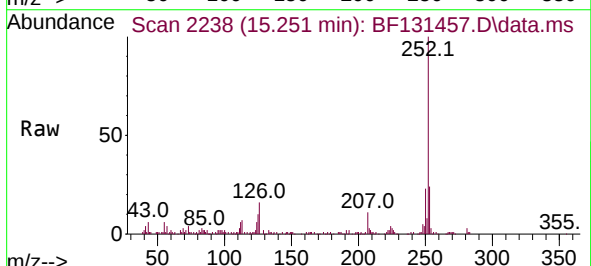
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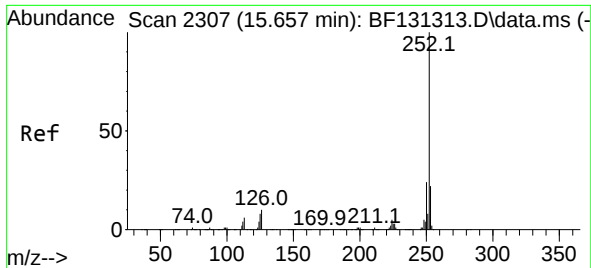
Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#89
Benzo(k)fluoranthene
Concen: 2.113 ng m
RT: 15.251 min Scan# 2238
Delta R.T. -0.030 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

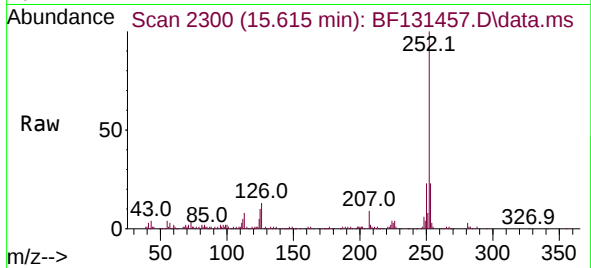
Tgt Ion:252 Resp: 44047
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 10.4 6.6 10.0





#90
Benzo(a)pyrene
Concen: 5.263 ng
RT: 15.615 min Scan# 2300
Delta R.T. -0.024 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

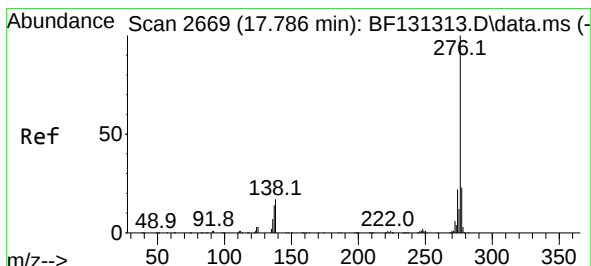
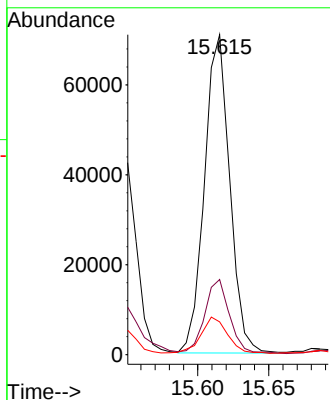
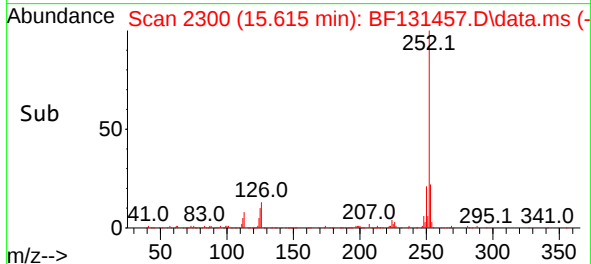
Instrument :
BNA_F
ClientSampleId :
TP-1



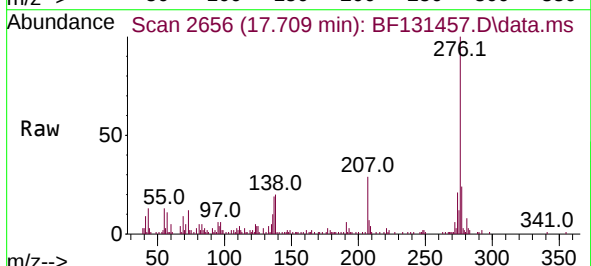
Tgt Ion:252 Resp: 87612
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.3 6.1 9.1

Manual Integrations
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Reviewed By :Christian Giraldo 11/30/2022
Supervised By :mohammad ahmed 12/01/2022



#92
Benzo(g,h,i)perylene
Concen: 2.758 ng
RT: 17.709 min Scan# 2656
Delta R.T. -0.047 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25



Tgt Ion:276 Resp: 46617
Ion Ratio Lower Upper
276 100
277 23.7 18.3 27.5
138 20.1 13.8 20.6

