

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
 Data File : BF131434.D
 Acq On : 28 Nov 2022 17:42
 Operator : CG\JU
 Sample : N5752-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8D

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 00:57:16 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	75101	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	267067	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	142457	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	221359	20.000	ng	0.00
76) Chrysene-d12	14.163	240	148088	20.000	ng	# 0.00
86) Perylene-d12	15.709	264	158468	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	402095	101.899	ng	0.00
7) Phenol-d6	6.569	99	511304	101.557	ng	0.00
23) Nitrobenzene-d5	7.516	82	349620	65.990	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	118160	98.590	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	619686	63.284	ng	0.00
79) Terphenyl-d14	13.098	244	489976	54.106	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.551	166	29483	3.154	ng	97
71) Phenanthrene	11.527	178	275781	23.053	ng	100
72) Anthracene	11.574	178	72148	6.137	ng	99
75) Fluoranthene	12.727	202	282346	22.398	ng	98
78) Pyrene	12.957	202	247086	18.911	ng	98
81) Benzo(a)anthracene	14.151	228	114299	11.260	ng	96
83) Chrysene	14.192	228	96209m	9.661	ng	
87) Indeno(1,2,3-cd)pyrene	17.274	276	61273	5.757	ng	94
88) Benzo(b)fluoranthene	15.251	252	124086m	11.787	ng	
89) Benzo(k)fluoranthene	15.274	252	35868m	3.315	ng	
90) Benzo(a)pyrene	15.639	252	97234	11.257	ng	# 88
92) Benzo(g,h,i)perylene	17.750	276	56848	6.482	ng	96

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

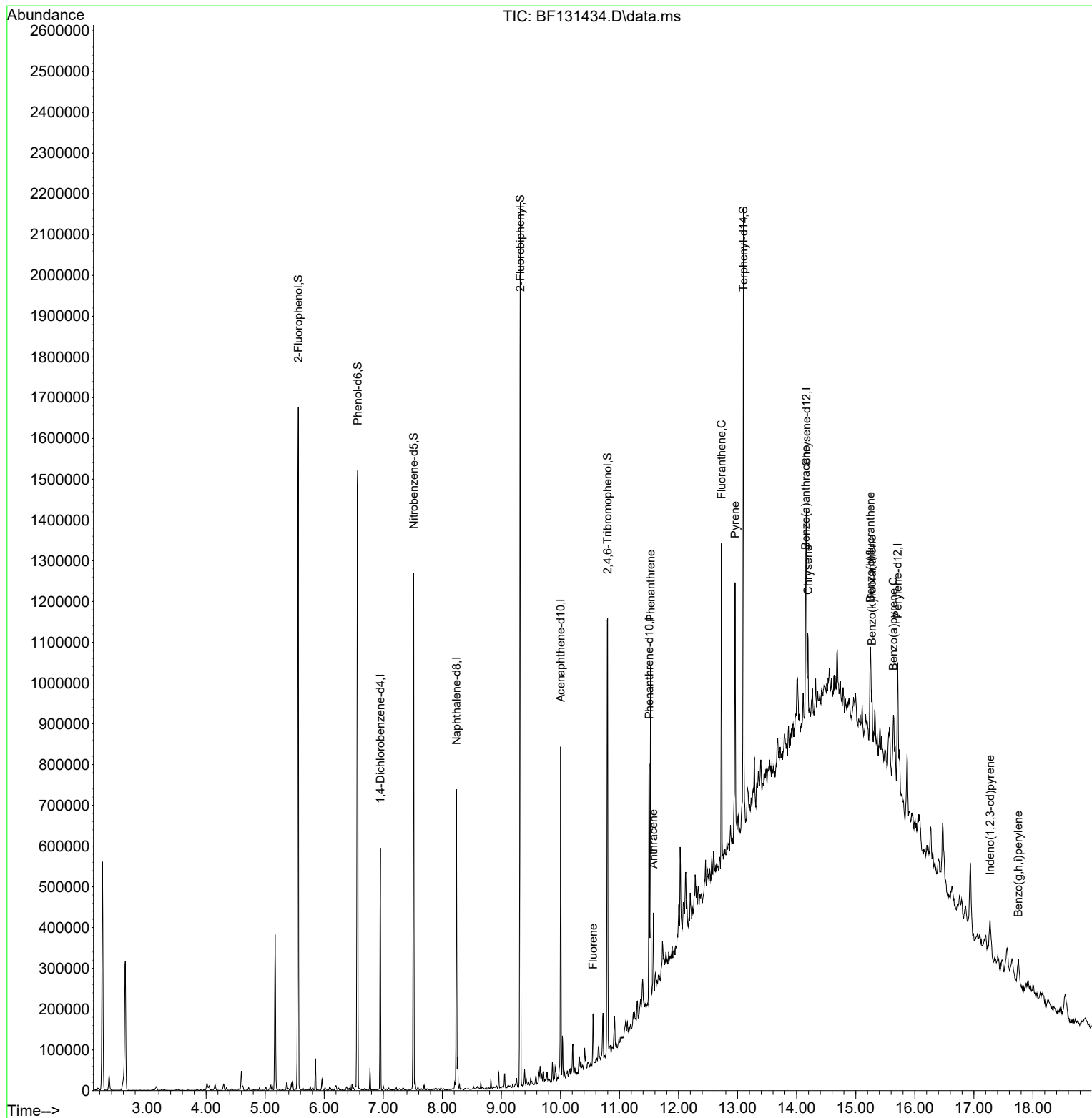
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112822\
Data File : BF131434.D
Acq On : 28 Nov 2022 17:42
Operator : CG\JU
Sample : N5752-04
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ALS Vial : 7 Sample Multiplier: 1

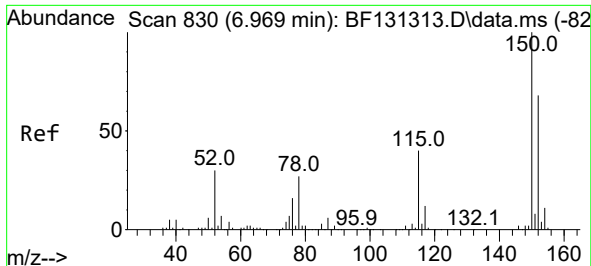
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Quant Time: Nov 29 00:57:16 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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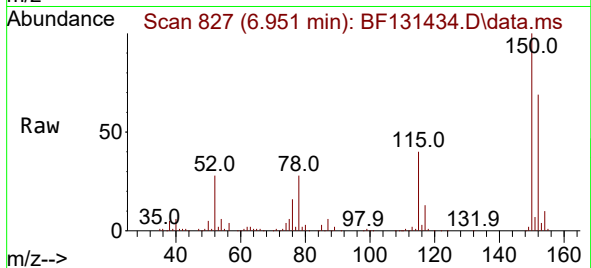
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

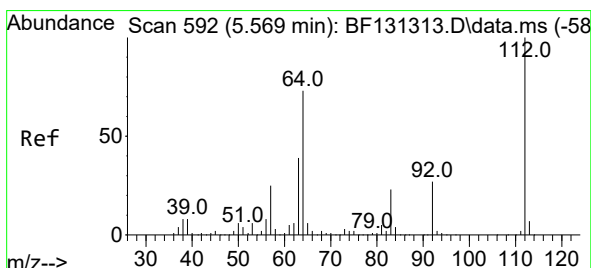
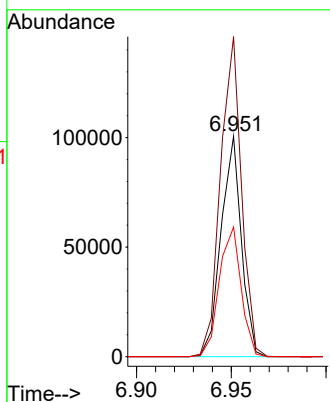
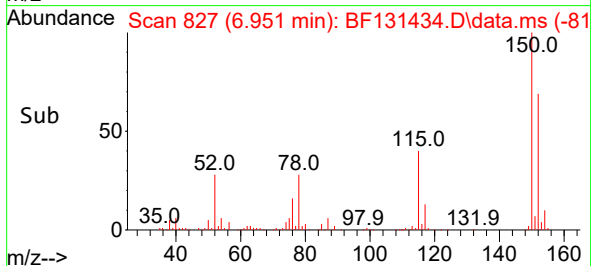
Instrument :
BNA_F
ClientSampleId :
B-8D



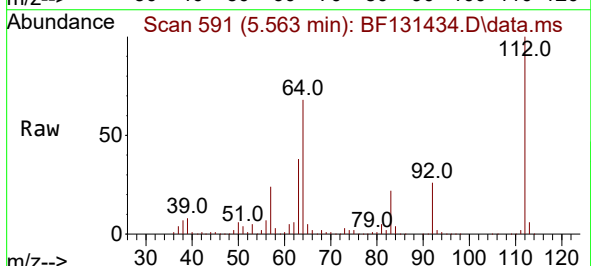
Tgt Ion:152 Resp: 7510
Ion Ratio Lower Upper
152 100
150 145.1 117.8 176.8
115 58.8 47.1 70.7

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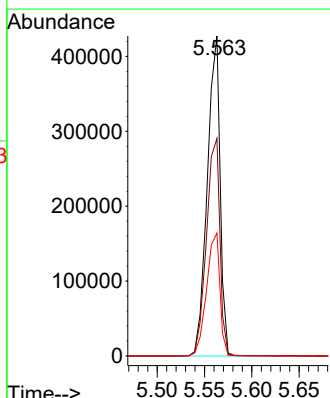
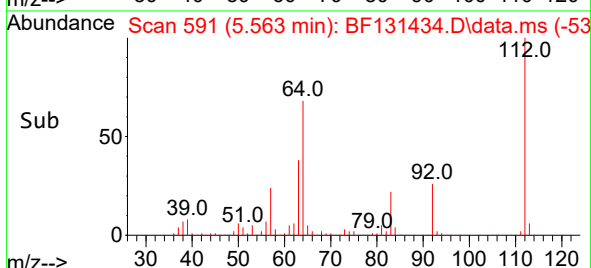
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

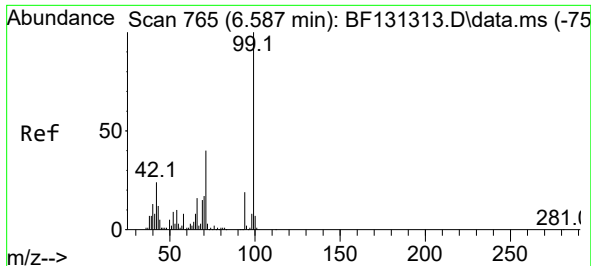


#5
2-Fluorophenol
Concen: 101.899 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



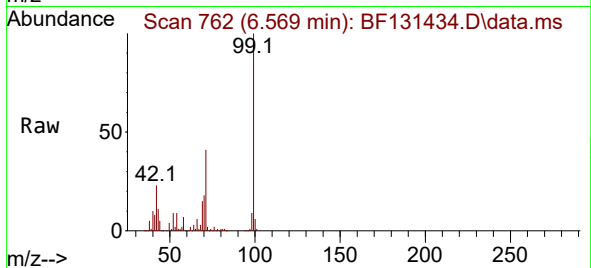
Tgt Ion:112 Resp: 402095
Ion Ratio Lower Upper
112 100
64 68.0 58.6 88.0
63 38.4 31.4 47.0





#7
Phenol-d6
Concen: 101.557 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

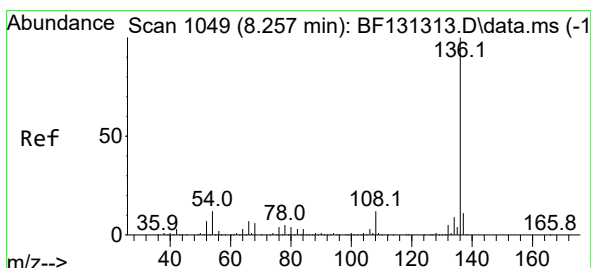
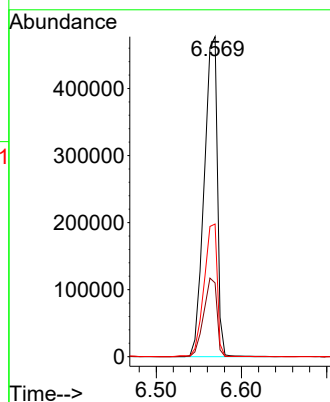
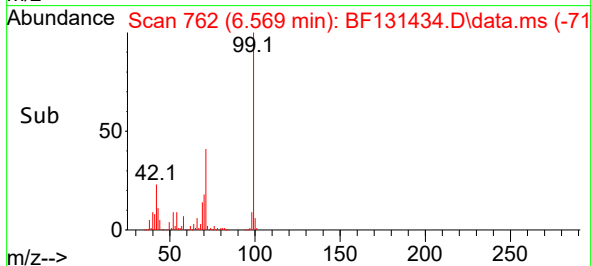
Instrument :
BNA_F
ClientSampleId :
B-8D



Tgt Ion: 99 Resp: 511304
Ion Ratio Lower Upper
99 100
42 23.0 19.4 29.2
71 41.4 32.3 48.5

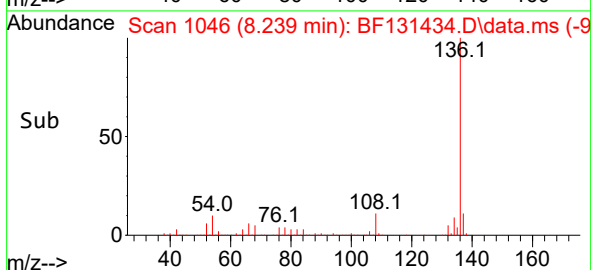
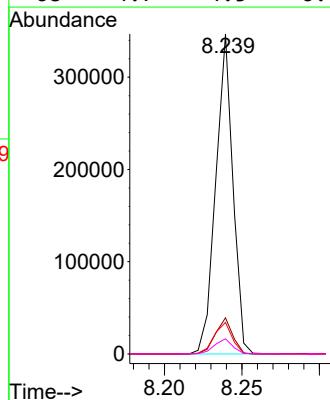
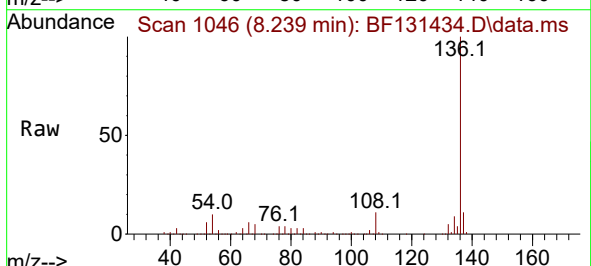
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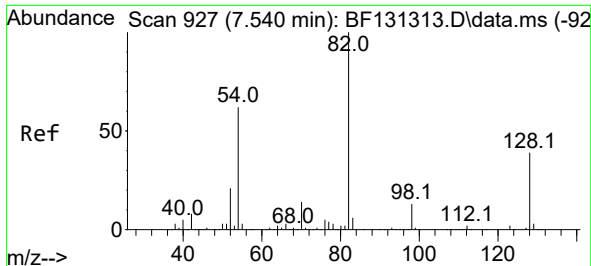
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

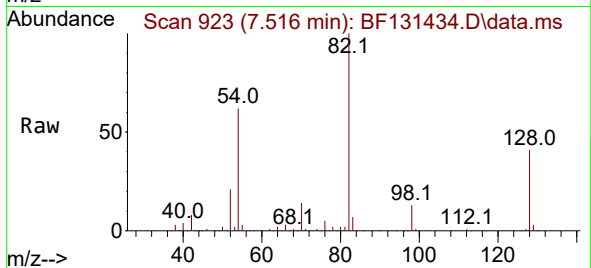
Tgt Ion:136 Resp: 267067
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 9.9 9.4 14.0
68 4.7 4.5 6.7





#23
Nitrobenzene-d5
Concen: 65.990 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

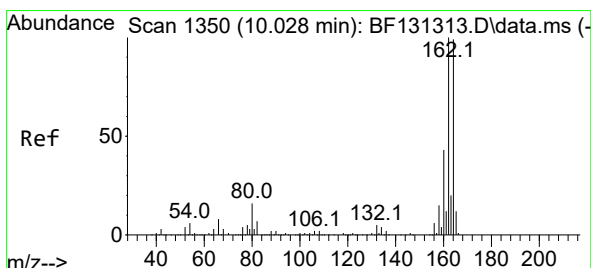
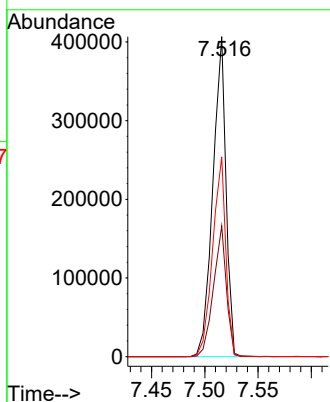
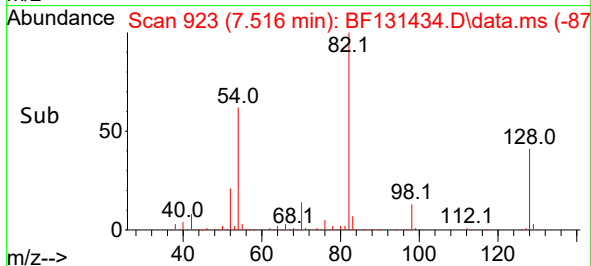
Instrument :
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ClientSampleId :
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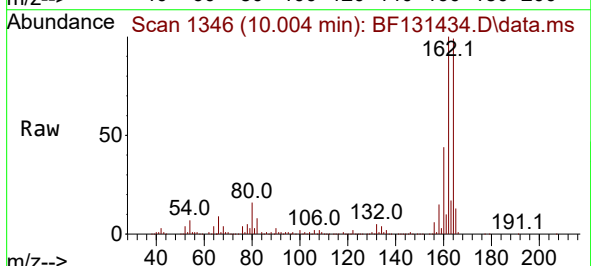
Tgt Ion: 82 Resp: 349620
Ion Ratio Lower Upper
82 100
128 40.9 31.4 47.0
54 62.5 49.8 74.6

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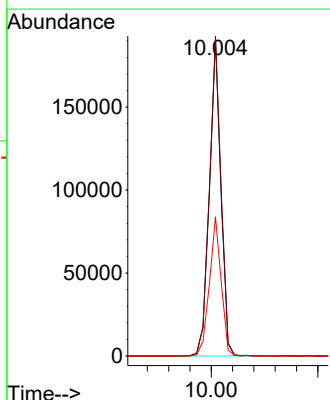
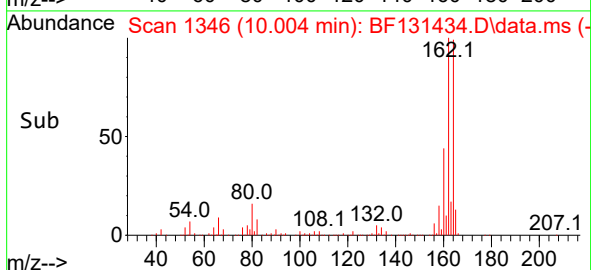
Reviewed By :Christian Giraldo 11/29/2022
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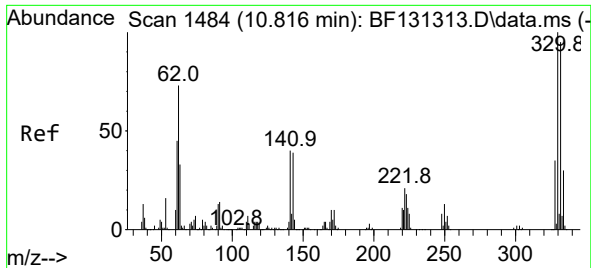


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



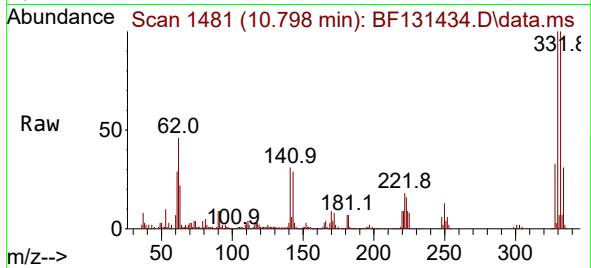
Tgt Ion:164 Resp: 142457
Ion Ratio Lower Upper
164 100
162 101.1 80.6 120.8
160 44.0 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 98.590 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

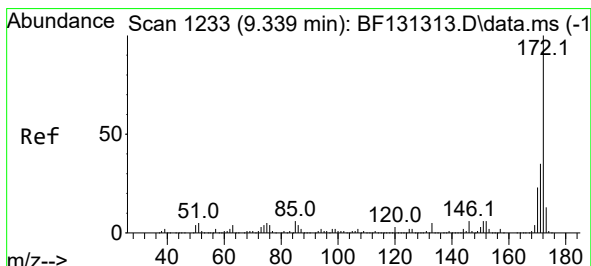
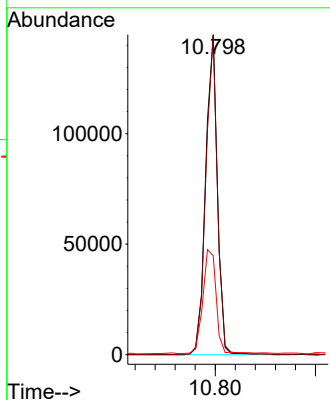
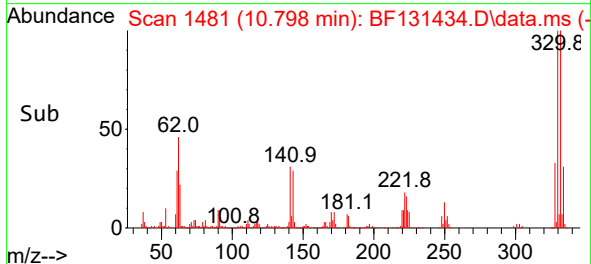
Instrument :
BNA_F
ClientSampleId :
B-8D



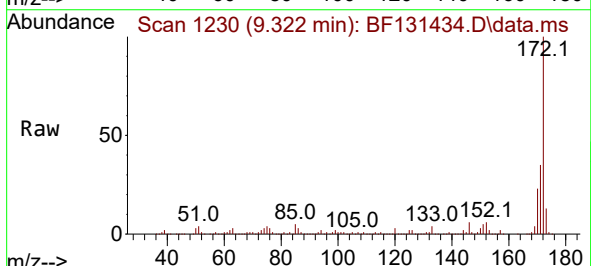
Tgt Ion: 330 Resp: 118160
Ion Ratio Lower Upper
330 100
332 98.6 77.5 116.3
141 36.9 29.3 43.9

Manual Integrations
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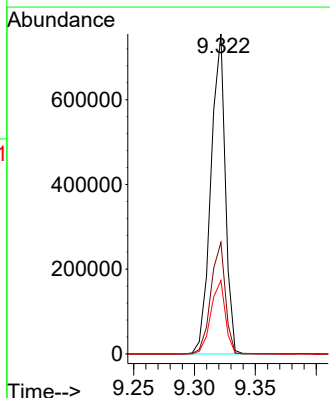
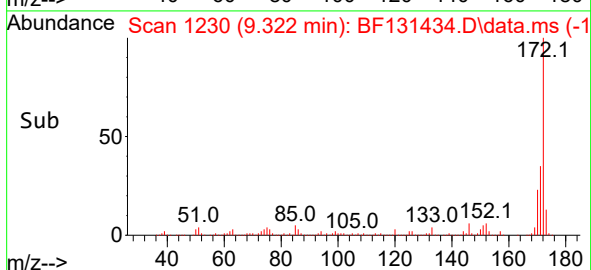
Reviewed By : Christian Giraldo 11/29/2022
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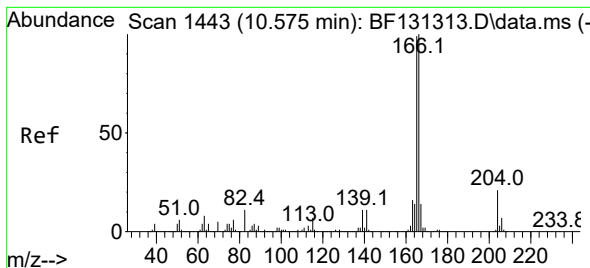


#45
2-Fluorobiphenyl
Concen: 63.284 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



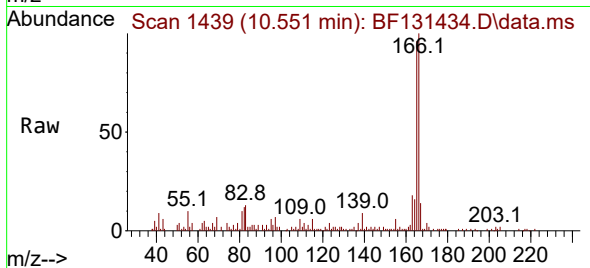
Tgt Ion: 172 Resp: 619686
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.0 18.7 28.1





#58
Fluorene
Concen: 3.154 ng
RT: 10.551 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

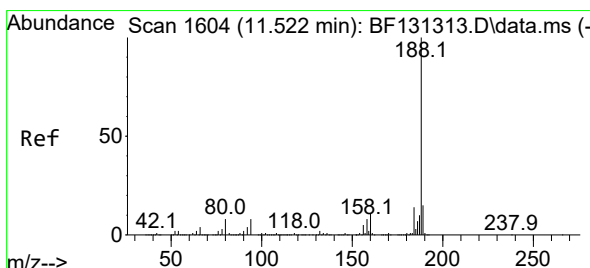
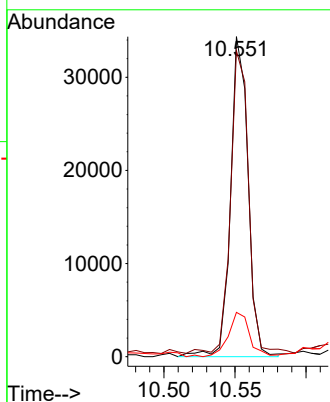
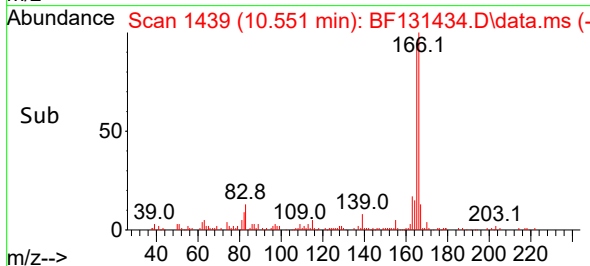
Instrument :
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ClientSampleId :
B-8D



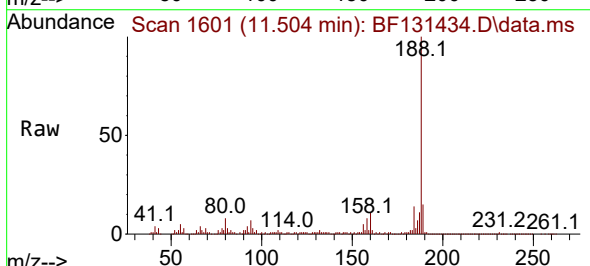
Tgt Ion:166 Resp: 2948
Ion Ratio Lower Upper
166 100
165 95.6 79.0 118.4
167 13.9 10.9 16.3

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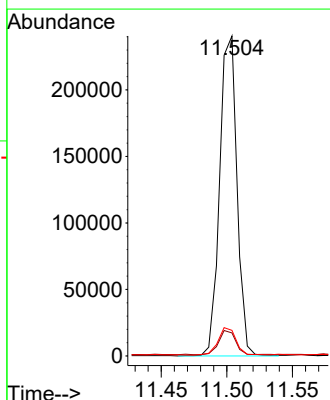
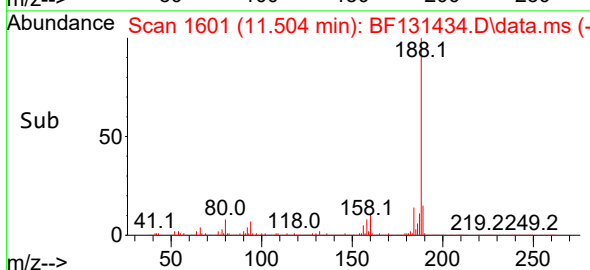
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

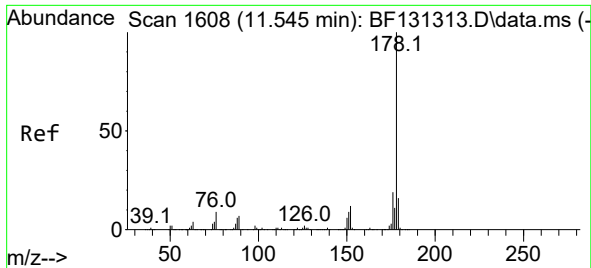


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



Tgt Ion:188 Resp: 221359
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 8.0 6.8 10.2





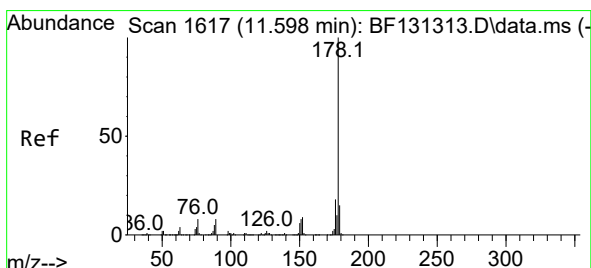
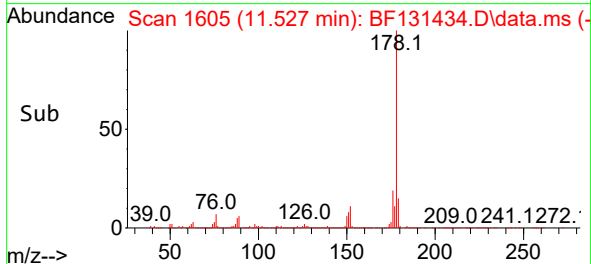
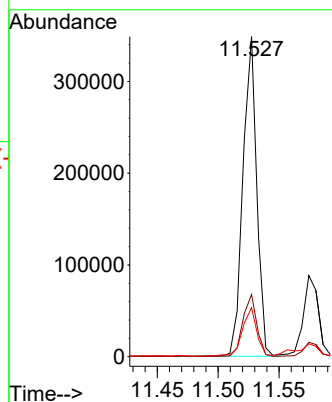
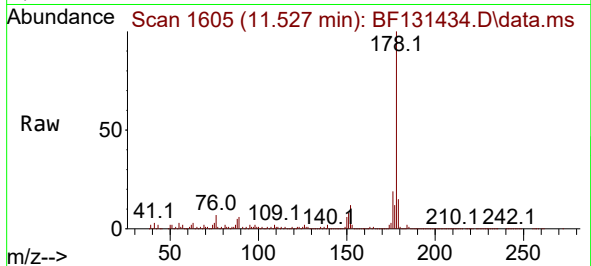
#71
Phenanthrene
Concen: 23.053 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Instrument :
BNA_F
ClientSampleId :
B-8D

Tgt Ion:178 Resp: 27578
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.4 18.6

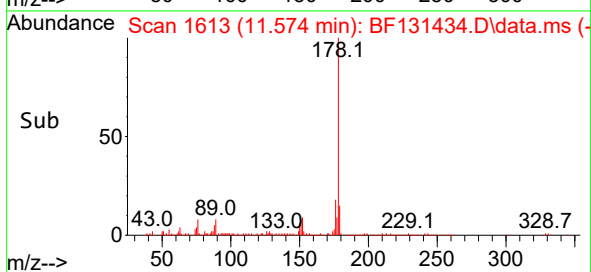
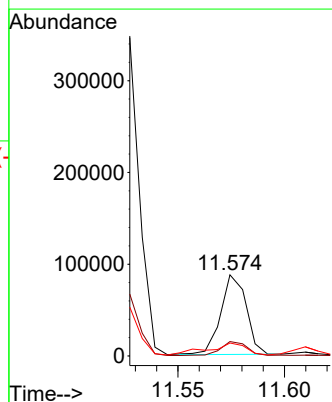
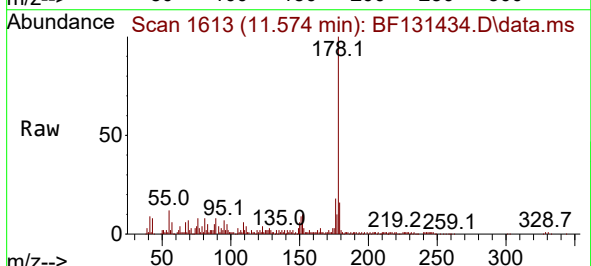
Manual Integrations
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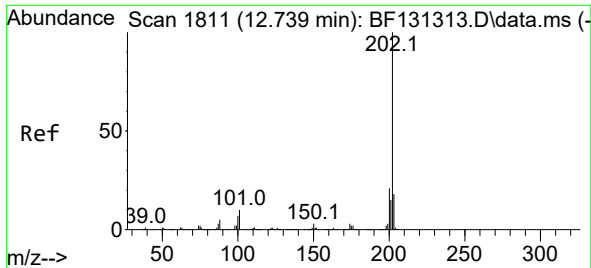
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#72
Anthracene
Concen: 6.137 ng
RT: 11.574 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

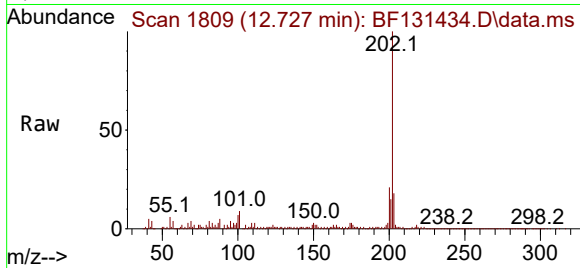
Tgt Ion:178 Resp: 72148
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 22.398 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

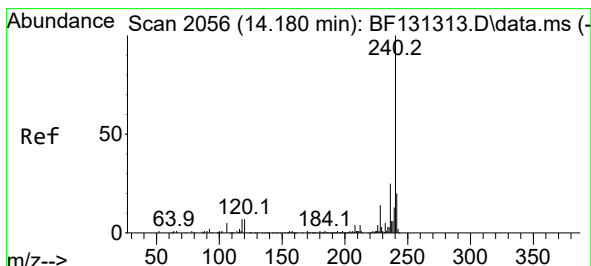
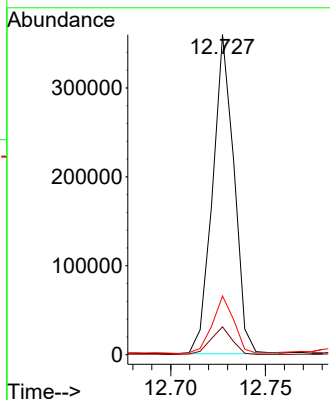
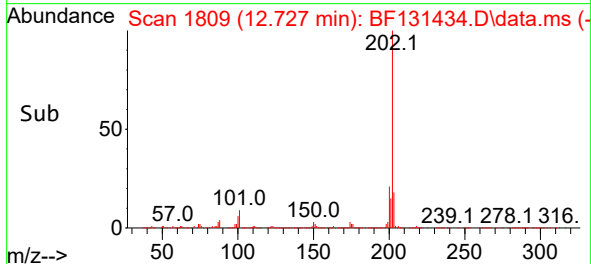
Instrument :
BNA_F
ClientSampleId :
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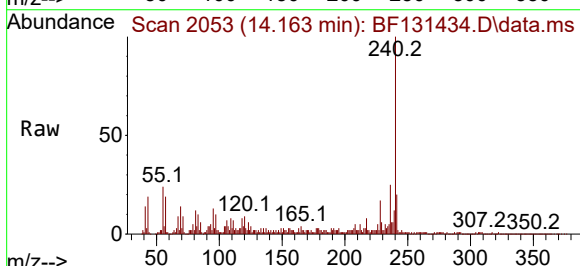
Tgt Ion:202 Resp: 282340
Ion Ratio Lower Upper
202 100
101 8.7 0.0 29.6
203 18.3 0.0 37.8

Manual Integrations
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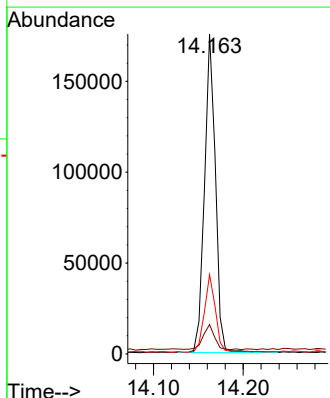
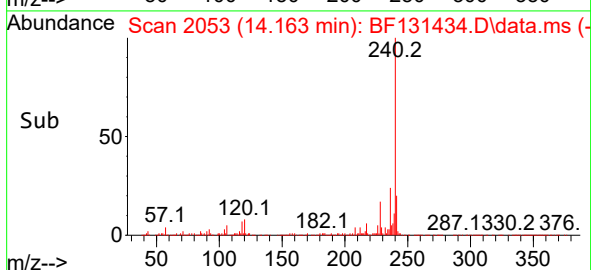
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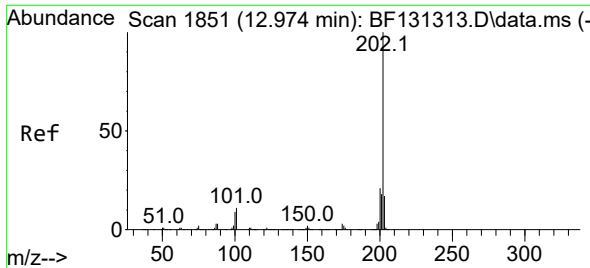


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



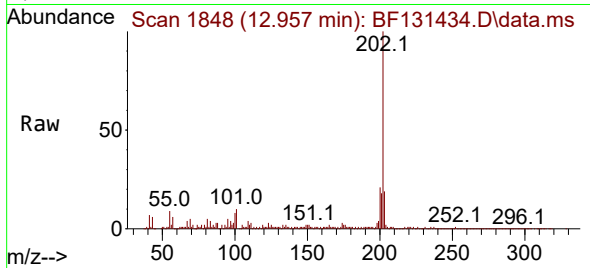
Tgt Ion:240 Resp: 148088
Ion Ratio Lower Upper
240 100
120 9.2 5.8 8.8#
236 24.8 20.3 30.5





#78
Pyrene
Concen: 18.911 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

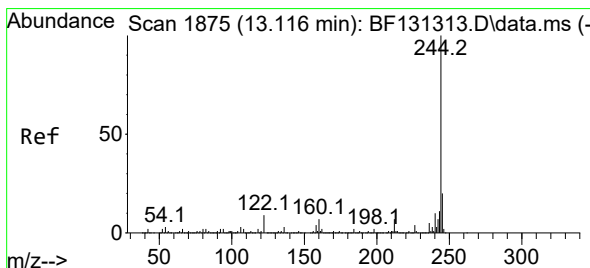
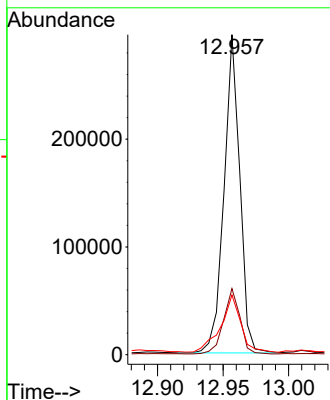
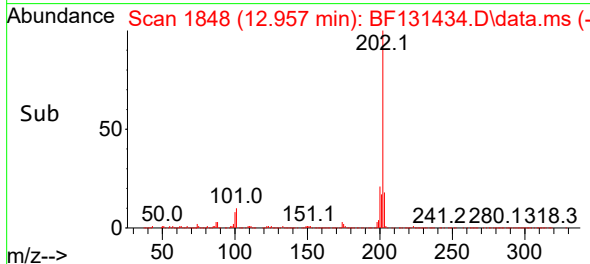
Instrument :
BNA_F
ClientSampleId :
B-8D



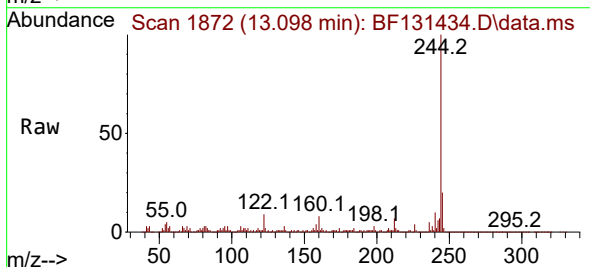
Tgt Ion:202 Resp: 247080
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 18.7 13.9 20.9

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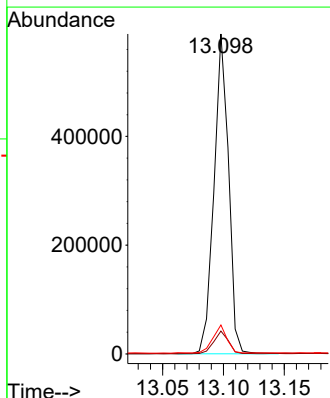
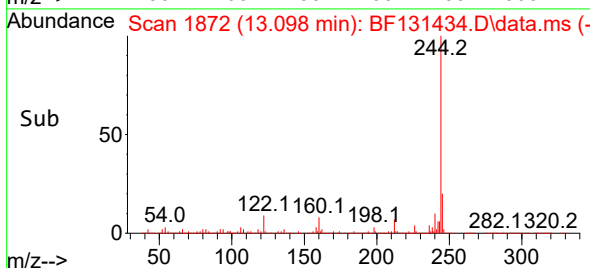
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

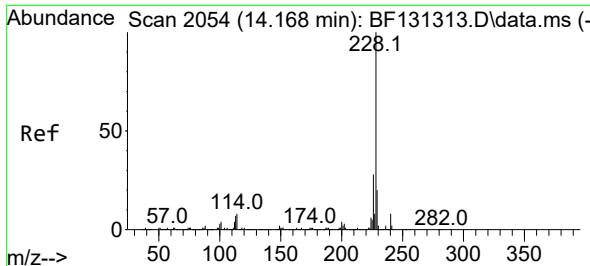


#79
Terphenyl-d14
Concen: 54.106 ng
RT: 13.098 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



Tgt Ion:244 Resp: 489976
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 9.1 7.5 11.3





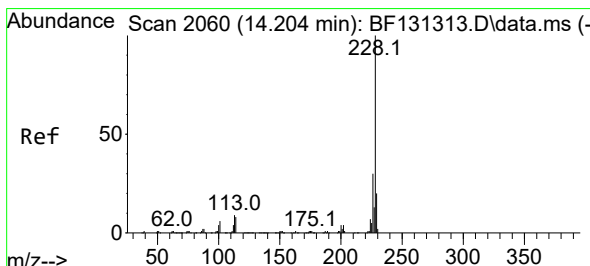
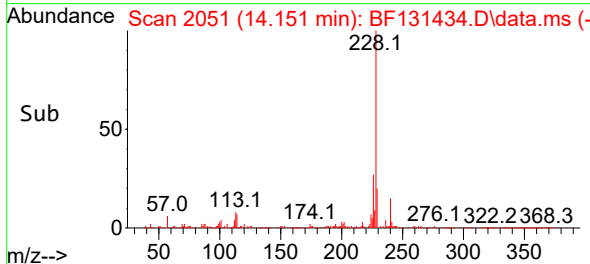
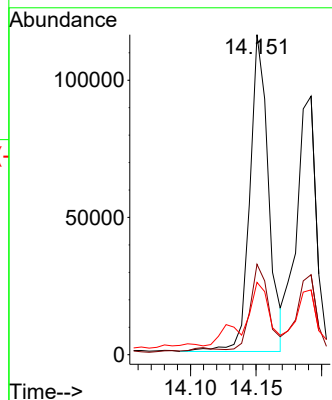
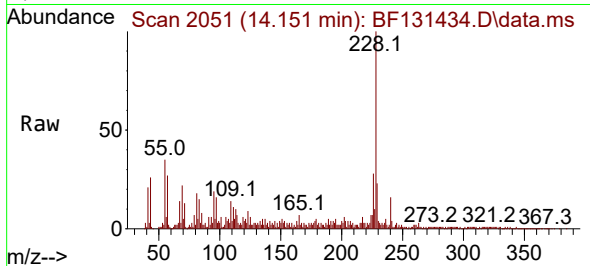
#81
Benzo(a)anthracene
Concen: 11.260 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

Instrument :
BNA_F
ClientSampleId :
B-8D

Tgt Ion:228 Resp: 114299
Ion Ratio Lower Upper
228 100
226 28.3 22.0 33.0
229 22.6 15.7 23.5

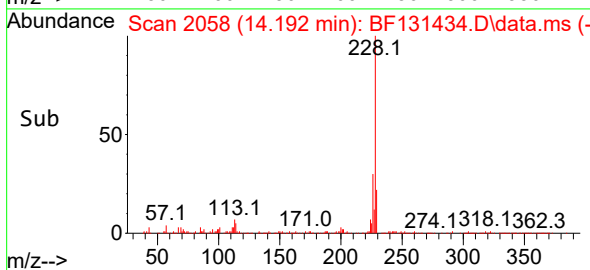
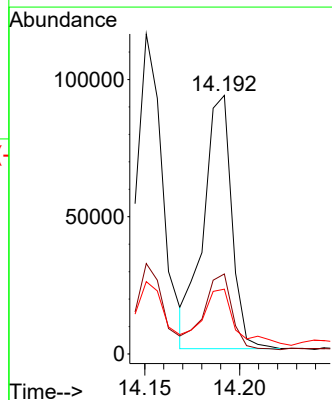
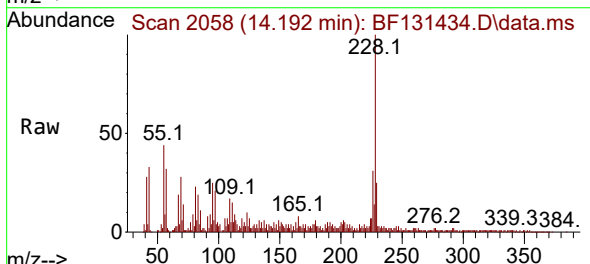
Manual Integrations
APPROVED

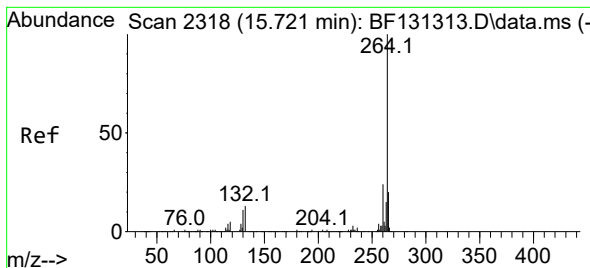
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#83
Chrysene
Concen: 9.661 ng m
RT: 14.192 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

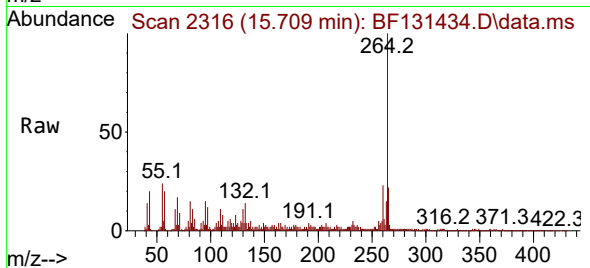
Tgt Ion:228 Resp: 96209
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 25.1 16.2 24.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

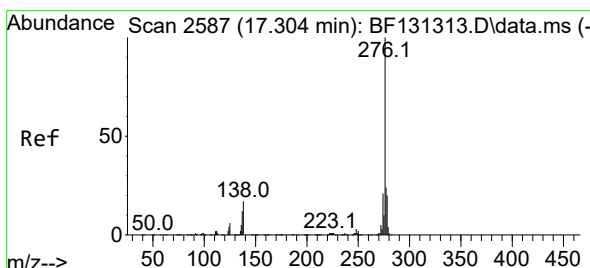
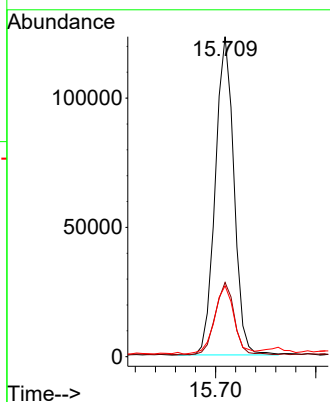
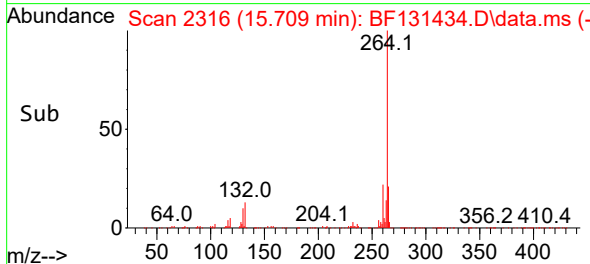
Instrument :
BNA_F
ClientSampleId :
B-8D



Tgt Ion:264 Resp: 158468
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 22.1 16.4 24.6

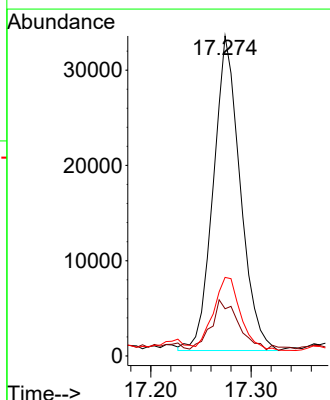
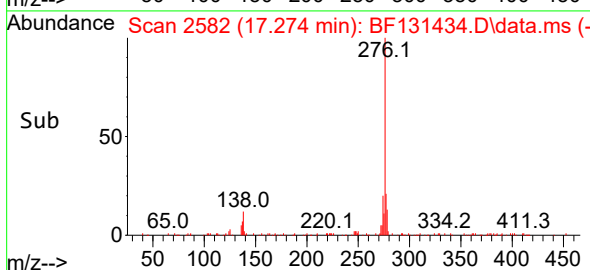
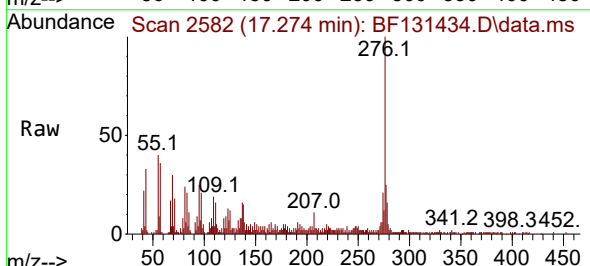
Manual Integrations
APPROVED

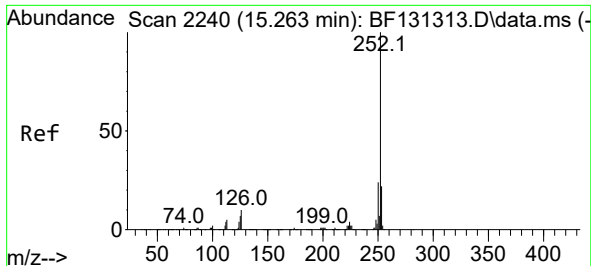
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.757 ng
RT: 17.274 min Scan# 2582
Delta R.T. -0.000 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

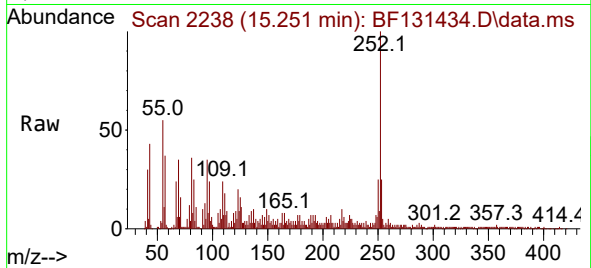
Tgt Ion:276 Resp: 61273
Ion Ratio Lower Upper
276 100
138 15.9 15.8 23.6
277 23.5 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.787 ng m
RT: 15.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42

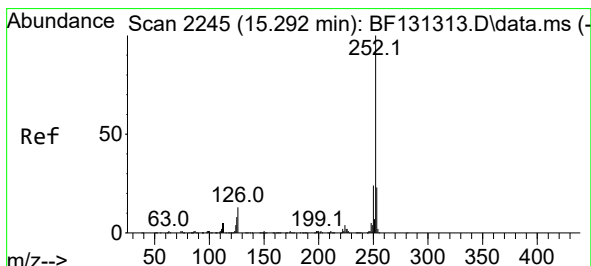
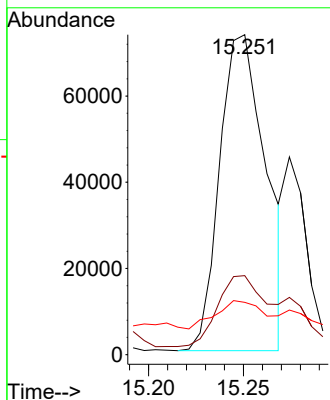
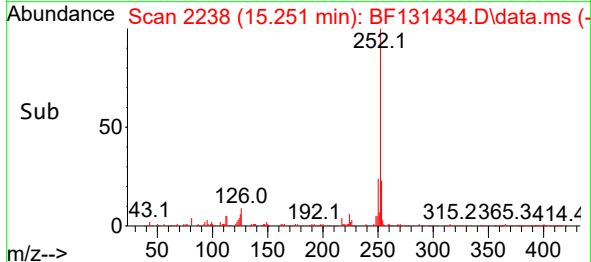
Instrument :
BNA_F
ClientSampleId :
B-8D



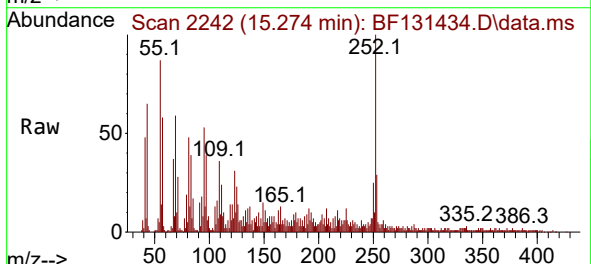
Tgt Ion:252 Resp: 124080
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 16.4 5.8 8.6

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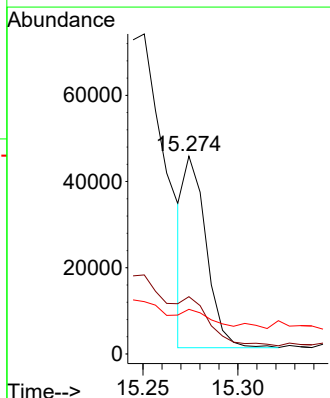
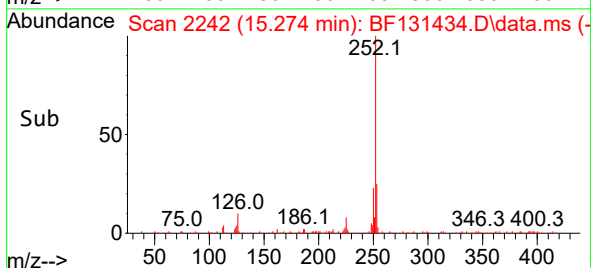
Reviewed By :Christian Giraldo 11/29/2022
Supervised By :mohammad ahmed 12/02/2022

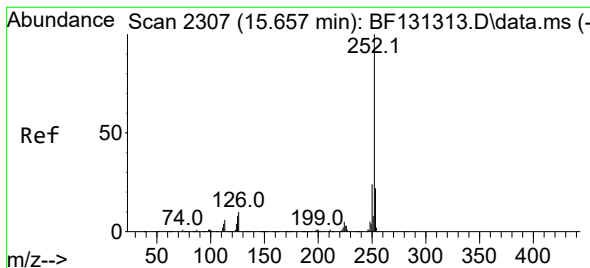


#89
Benzo(k)fluoranthene
Concen: 3.315 ng m
RT: 15.274 min Scan# 2242
Delta R.T. -0.006 min
Lab File: BF131434.D
Acq: 28 Nov 2022 17:42



Tgt Ion:252 Resp: 35868
Ion Ratio Lower Upper
252 100
253 29.0 17.9 26.9#
125 22.5 6.6 10.0#





#90

Benzo(a)pyrene

Concen: 11.257 ng

RT: 15.639 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Instrument :

BNA_F

ClientSampleId :

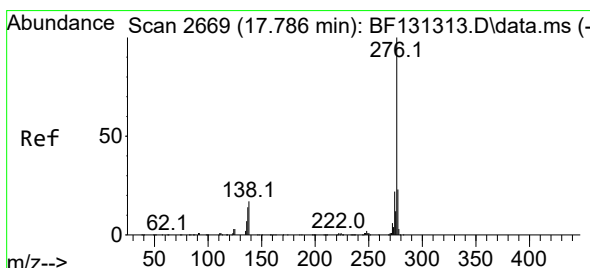
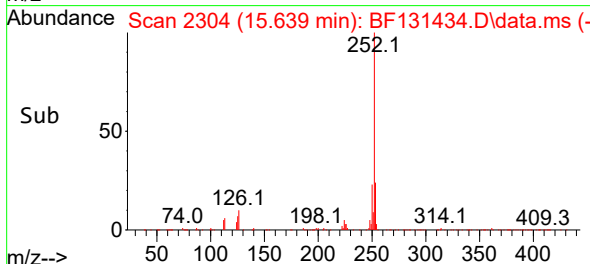
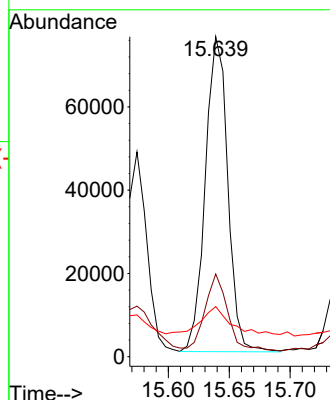
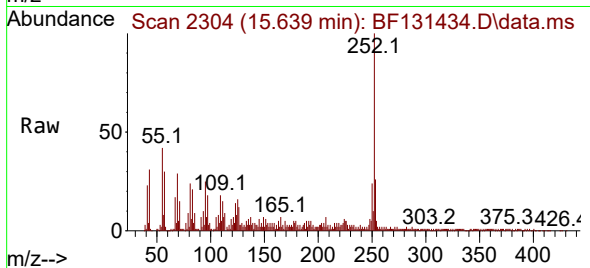
B-8D

Tgt Ion:	252	Resp:	97234
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.5	26.3
125	15.6	6.1	9.1

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 6.482 ng

RT: 17.750 min Scan# 2663

Delta R.T. -0.006 min

Lab File: BF131434.D

Acq: 28 Nov 2022 17:42

Tgt Ion:	276	Resp:	56848
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.3	27.5
138	19.1	13.8	20.6

