

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128113.D
 Acq On : 06 May 2022 00:13
 Operator : CG\JU
 Sample : N2689-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/06/2022
 Supervised By : mohammad ahmed 05/09/2022

Quant Time: May 06 05:03:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 05 17:56:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	90531	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	322978	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	157408	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	250439	20.000	ng	0.00
76) Chrysene-d12	14.086	240	177215	20.000	ng	0.00
86) Perylene-d12	15.592	264	119309	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	91880	16.165	ng	-0.01
7) Phenol-d6	6.528	99	122682	16.635	ng	-0.02
23) Nitrobenzene-d5	7.469	82	82970	12.080	ng	-0.01
42) 2,4,6-Tribromophenol	10.739	330	23884	15.073	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	134227	14.426	ng	0.00
79) Terphenyl-d14	13.022	244	118262	12.203	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.463	178	119753	9.135	ng	98
72) Anthracene	11.516	178	29301	2.244	ng	99
75) Fluoranthene	12.657	202	186291	13.502	ng	97
78) Pyrene	12.886	202	197180	13.783	ng	98
81) Benzo(a)anthracene	14.074	228	80224	6.792	ng	96
83) Chrysene	14.116	228	74923	6.642	ng	97
87) Indeno(1,2,3-cd)pyrene	17.115	276	26203	3.290	ng	99
88) Benzo(b)fluoranthene	15.145	252	64267m	8.576	ng	
89) Benzo(k)fluoranthene	15.174	252	22508m	2.981	ng	
90) Benzo(a)pyrene	15.527	252	46594	7.496	ng	# 90
92) Benzo(g,h,i)perylene	17.580	276	28852	4.287	ng	# 92

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

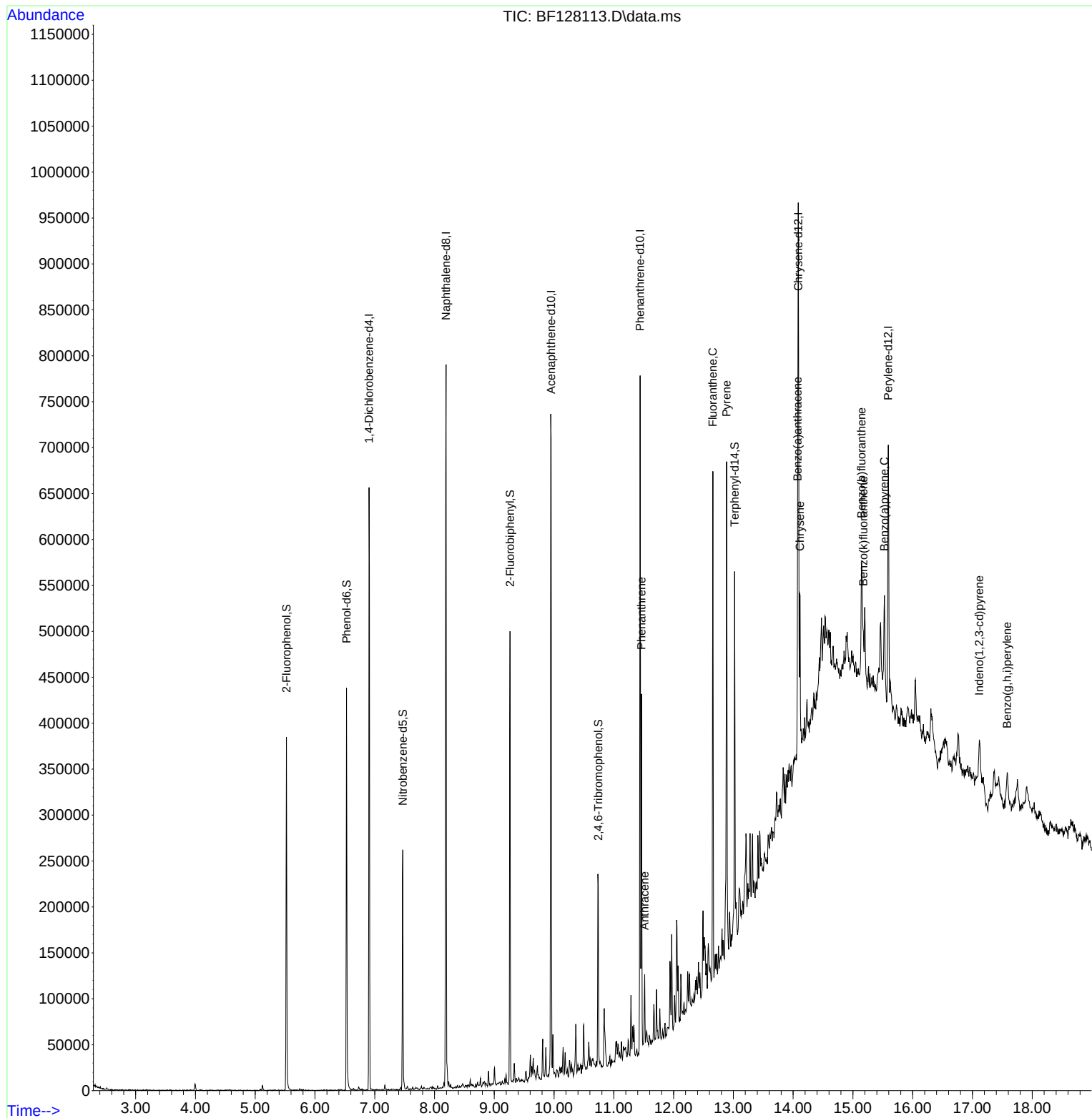
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128113.D
Acq On : 06 May 2022 00:13
Operator : CG\JU
Sample : N2689-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

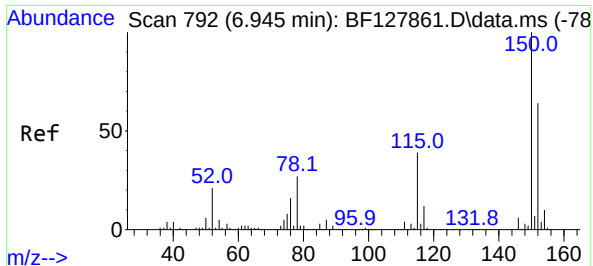
Instrument :
BNA_F
ClientSampleId :
OK-01-050422

Quant Time: May 06 05:03:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

ClientSampleId :

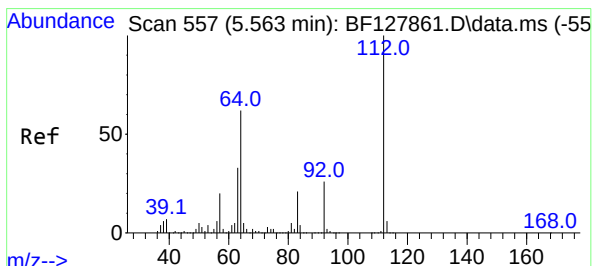
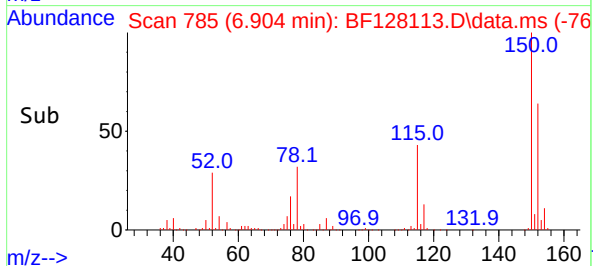
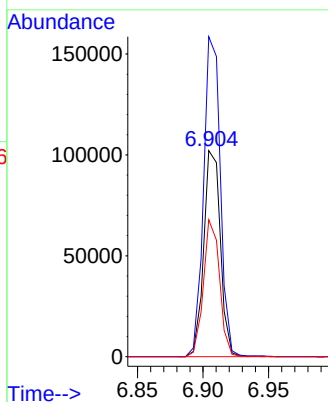
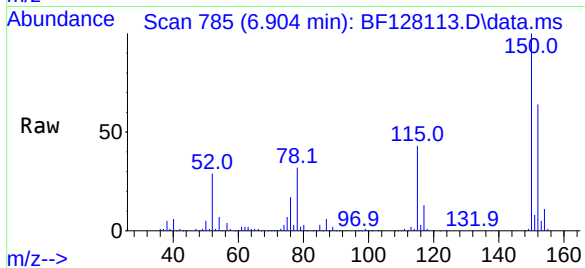
OK-01-050422

Tgt Ion:152 Resp: 9053
Ion Ratio Lower Upper
152 100
150 155.3 125.3 187.9
115 66.5 48.8 73.2

Manual Integrations

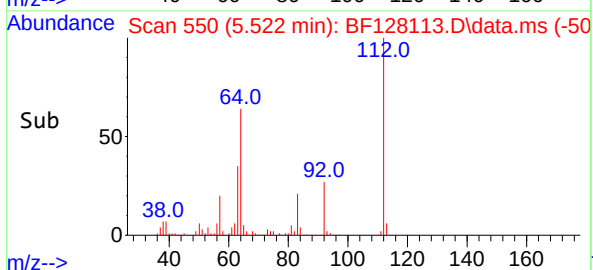
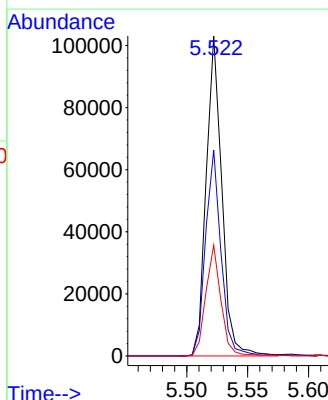
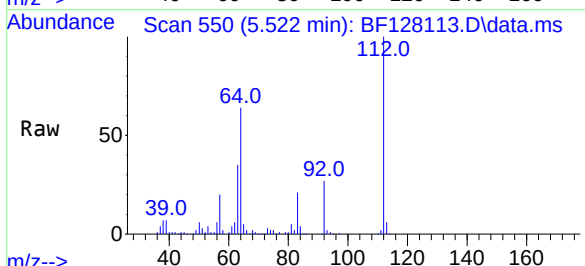
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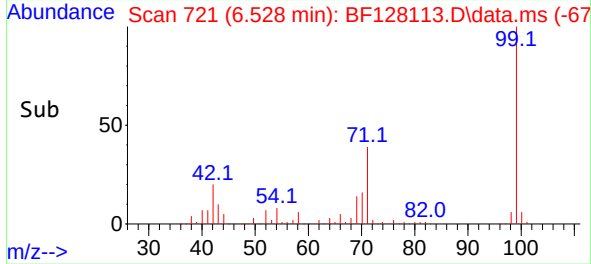
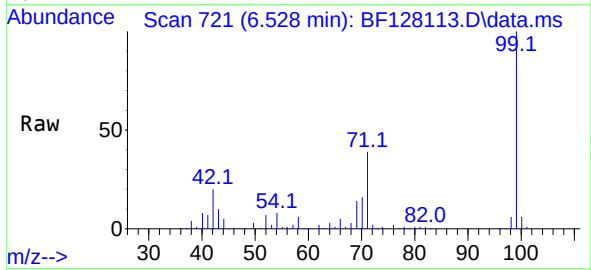
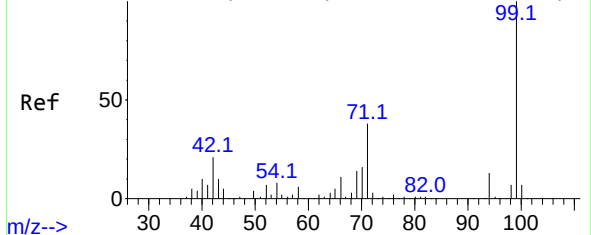


#5
2-Fluorophenol
Concen: 16.165 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.012 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Tgt Ion:112 Resp: 91880
Ion Ratio Lower Upper
112 100
64 64.4 49.5 74.3
63 34.6 26.3 39.5



Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 16.635 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF128113.D

Acq: 06 May 2022 00:13

Instrument :

BNA_F

ClientSampleId :

OK-01-050422

Tgt Ion: 99 Resp: 12268

Ion Ratio Lower Upper

99 100

42 19.9 16.6 24.8

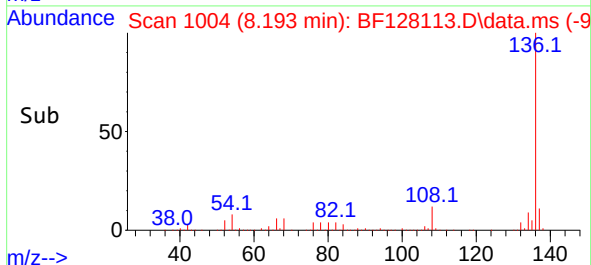
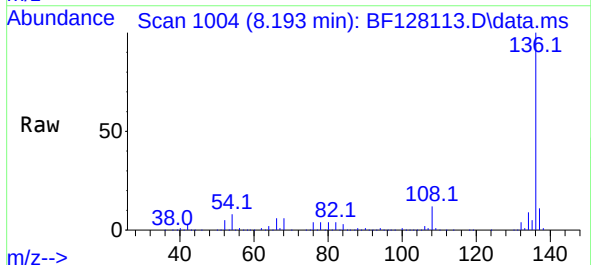
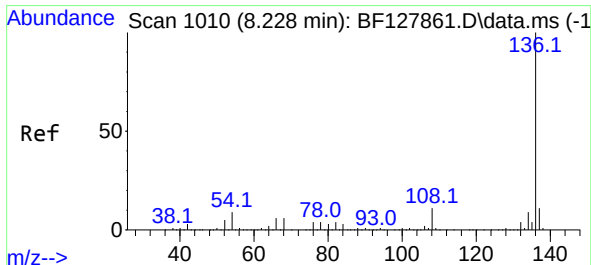
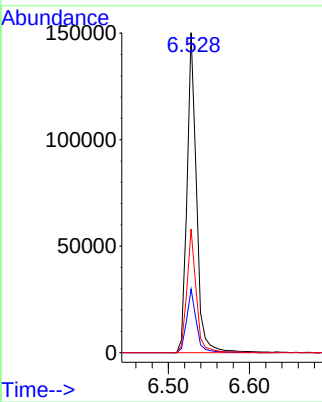
71 38.6 30.0 45.0

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.193 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF128113.D

Acq: 06 May 2022 00:13

Tgt Ion:136 Resp: 322978

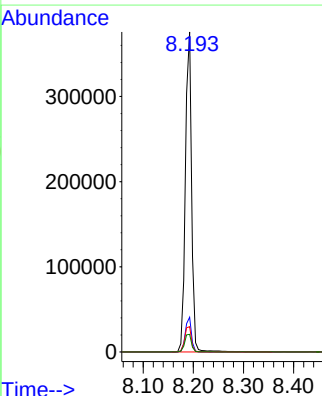
Ion Ratio Lower Upper

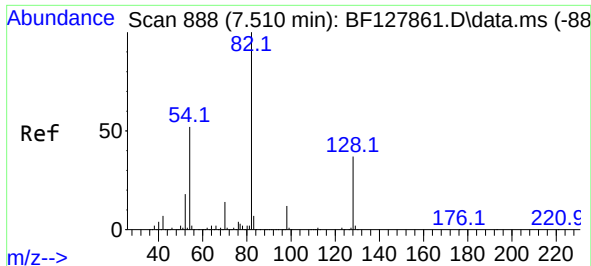
136 100

137 10.9 8.6 13.0

54 7.9 6.8 10.2

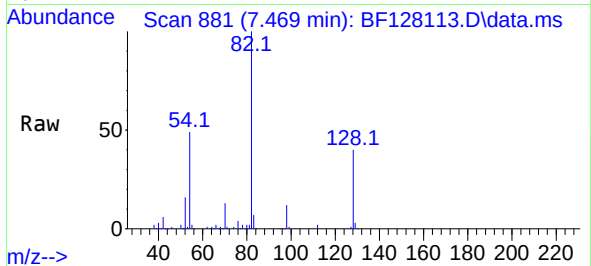
68 5.5 5.1 7.7





#23
Nitrobenzene-d5
Concen: 12.080 ng
RT: 7.469 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

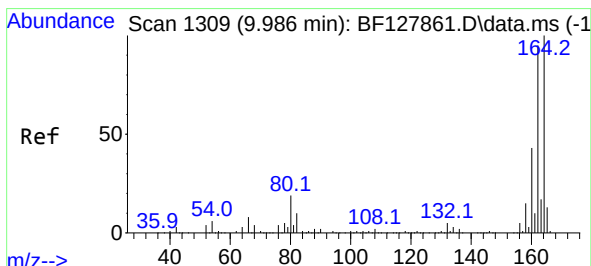
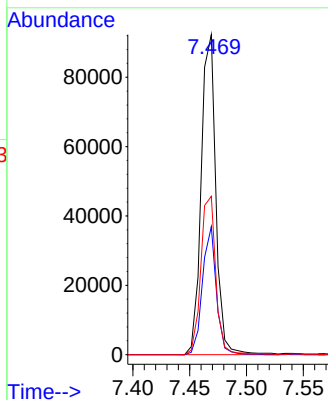
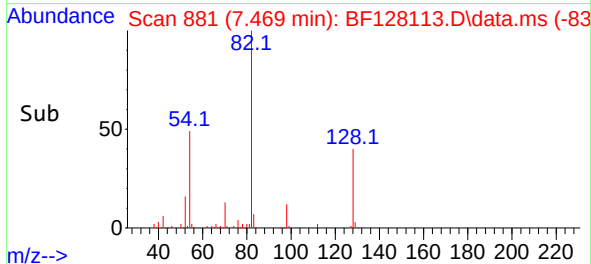
Instrument :
BNA_F
ClientSampleId :
OK-01-050422



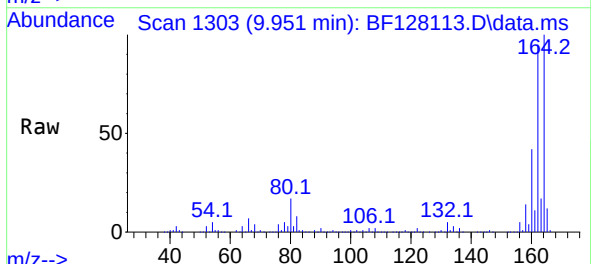
Tgt Ion: 82 Resp: 82970
Ion Ratio Lower Upper
82 100
128 40.0 30.0 45.0
54 49.5 41.3 61.9

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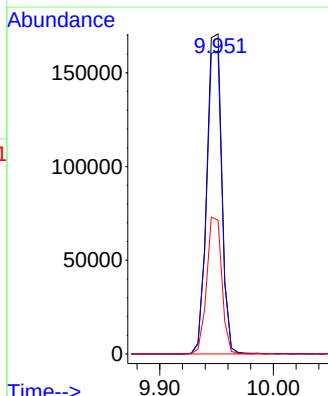
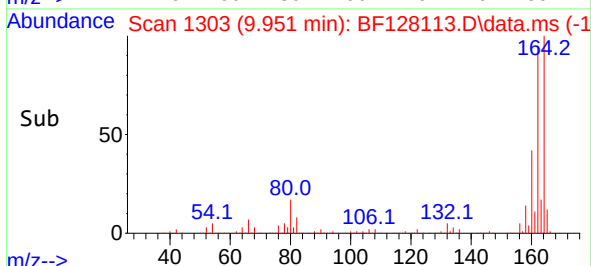
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

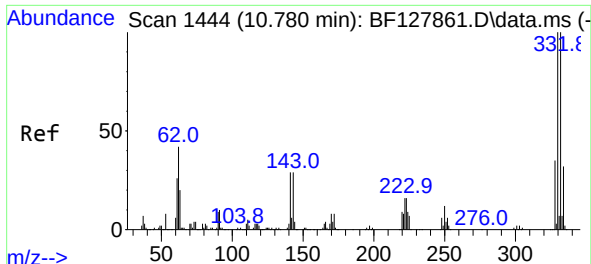


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.951 min Scan# 1303
Delta R.T. 0.000 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13



Tgt Ion:164 Resp: 157408
Ion Ratio Lower Upper
164 100
162 94.7 76.0 114.0
160 41.8 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 15.073 ng
RT: 10.739 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

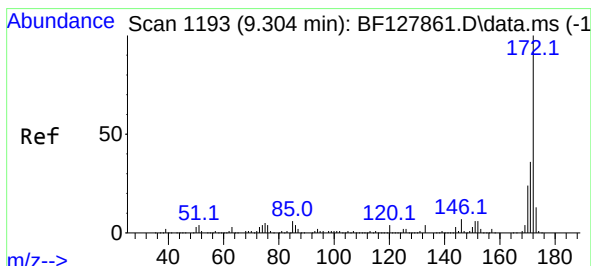
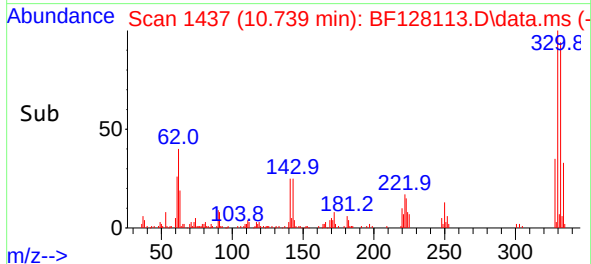
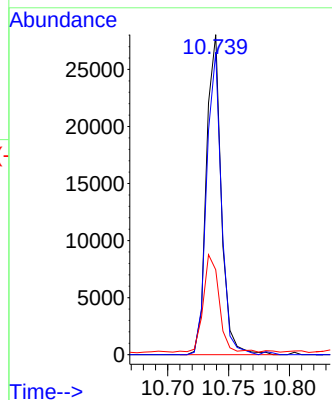
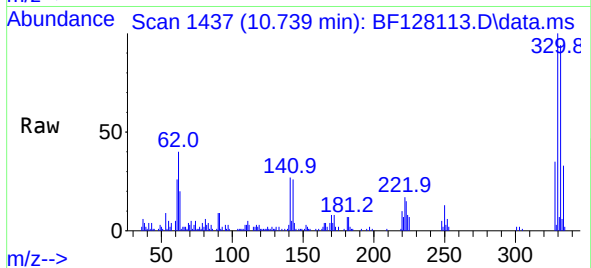
ClientSampleId :

OK-01-050422

Tgt Ion:330 Resp: 23884
Ion Ratio Lower Upper
330 100
332 93.6 79.0 118.4
141 32.5 28.9 43.3

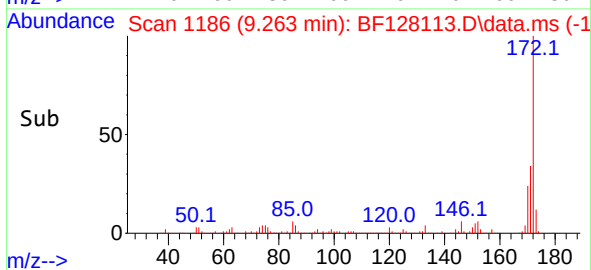
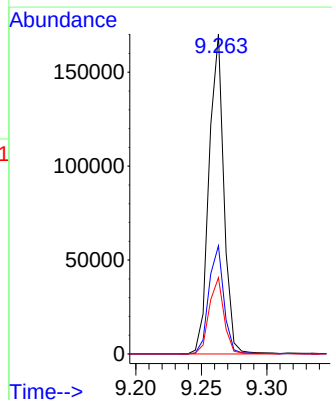
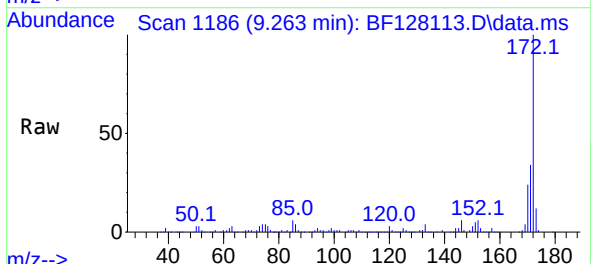
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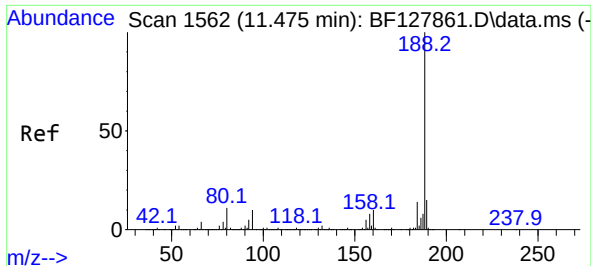
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#45
2-Fluorobiphenyl
Concen: 14.426 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

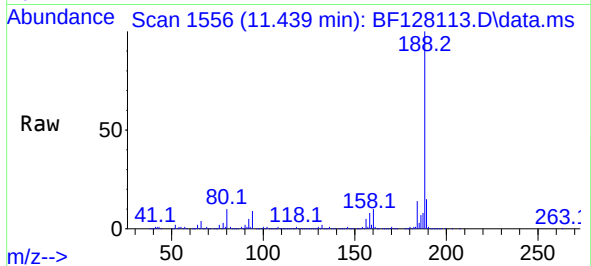
Tgt Ion:172 Resp: 134227
Ion Ratio Lower Upper
172 100
171 33.8 28.6 42.8
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

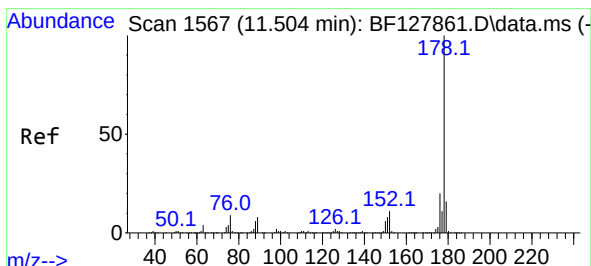
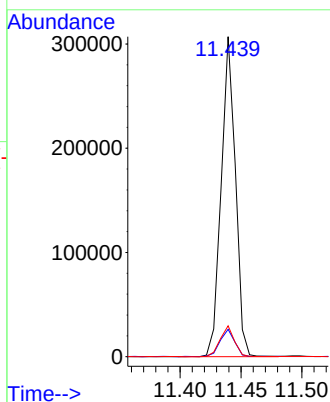
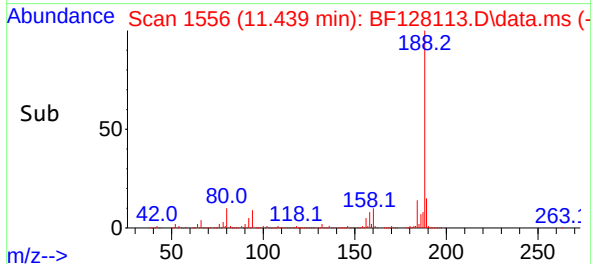
Instrument :
BNA_F
ClientSampleId :
OK-01-050422



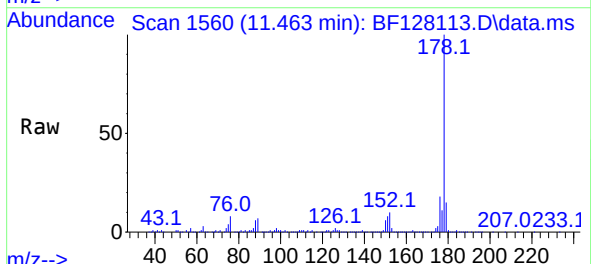
Tgt Ion:188 Resp: 250439
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.7 8.9 13.3

Manual Integrations
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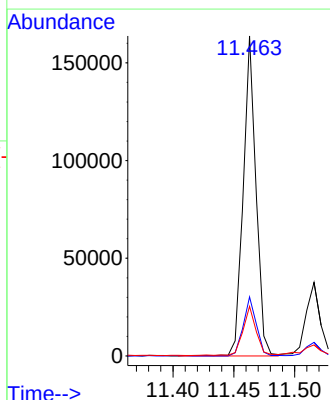
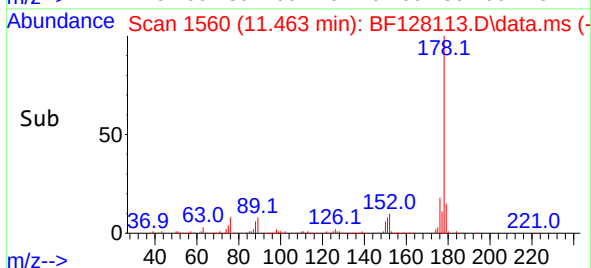
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

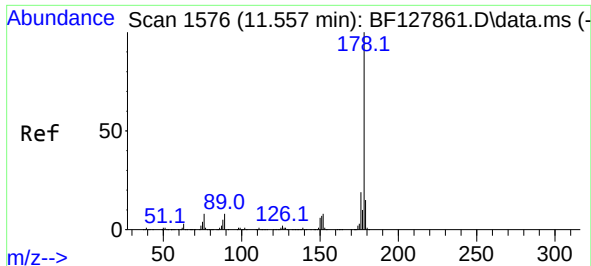


#71
Phenanthrene
Concen: 9.135 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13



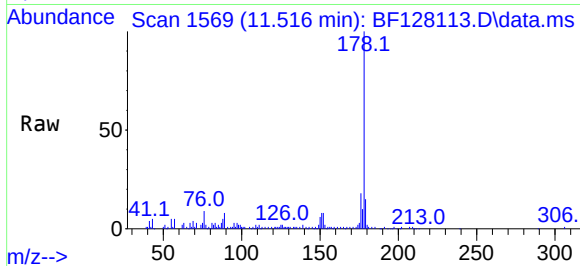
Tgt Ion:178 Resp: 119753
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 2.244 ng
 RT: 11.516 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128113.D
 Acq: 06 May 2022 00:13

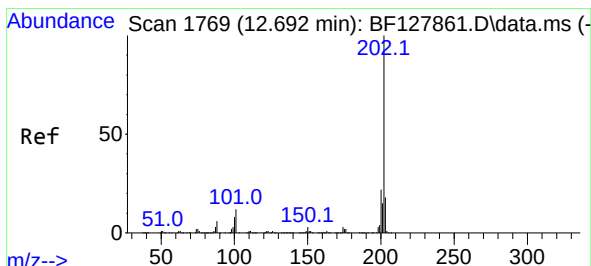
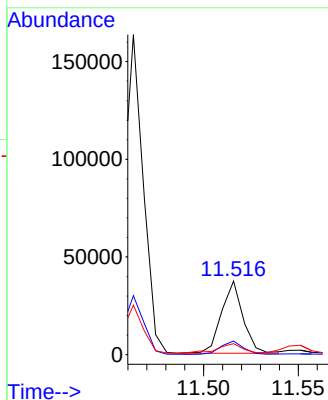
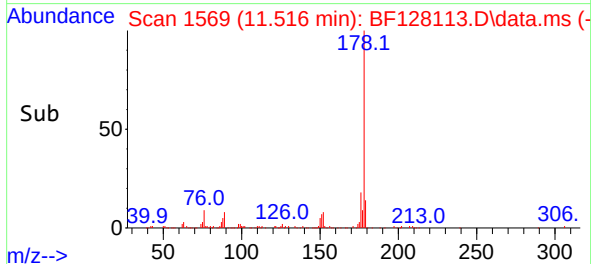
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-050422



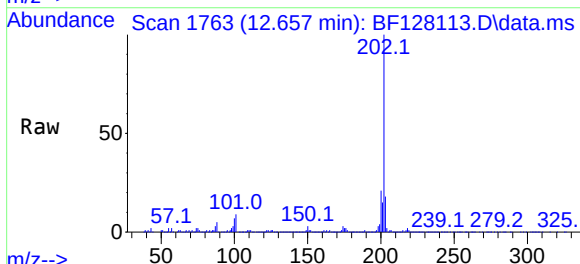
Tgt Ion:178 Resp: 2930
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 14.9 12.4 18.6

Manual Integrations
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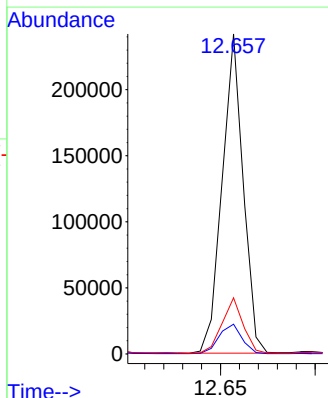
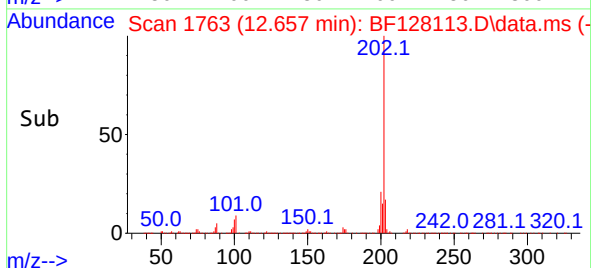
Reviewed By :Christian Giraldo 05/06/2022
 Supervised By :mohammad ahmed 05/09/2022

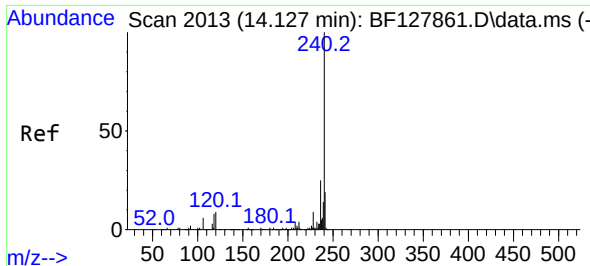


#75
 Fluoranthene
 Concen: 13.502 ng
 RT: 12.657 min Scan# 1763
 Delta R.T. -0.006 min
 Lab File: BF128113.D
 Acq: 06 May 2022 00:13



Tgt Ion:202 Resp: 186291
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.6
 203 17.5 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

ClientSampleId :

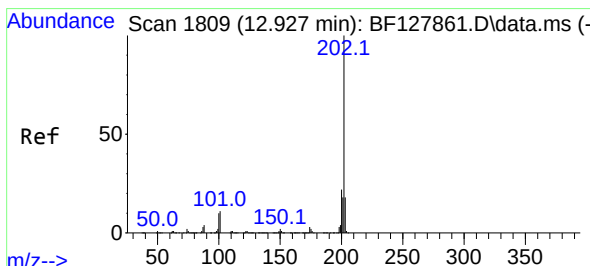
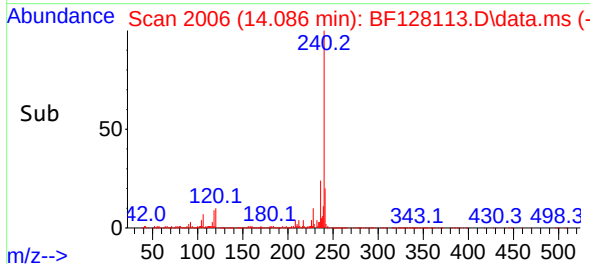
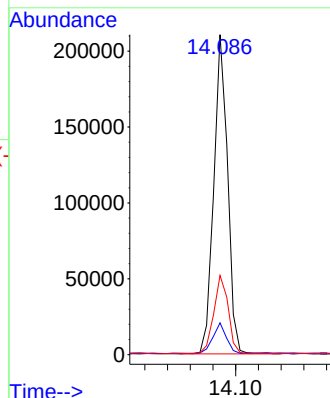
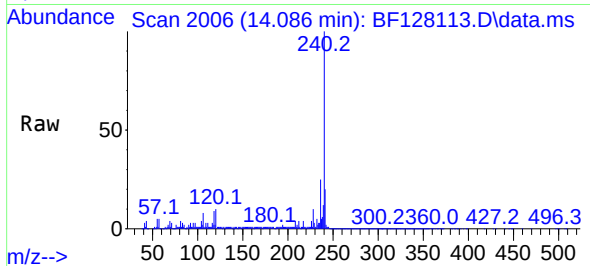
OK-01-050422

Tgt Ion:240 Resp: 177215
Ion Ratio Lower Upper
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120 10.0 7.0 10.6
236 24.8 20.3 30.5

Manual Integrations

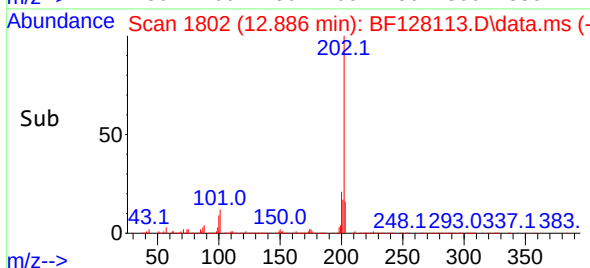
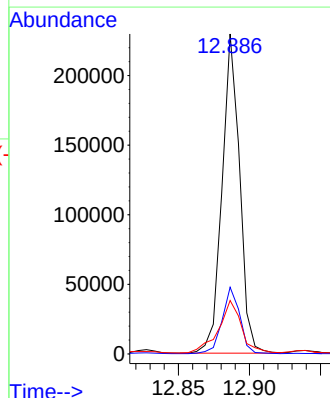
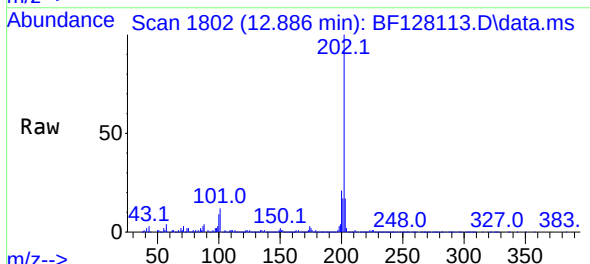
APPROVED

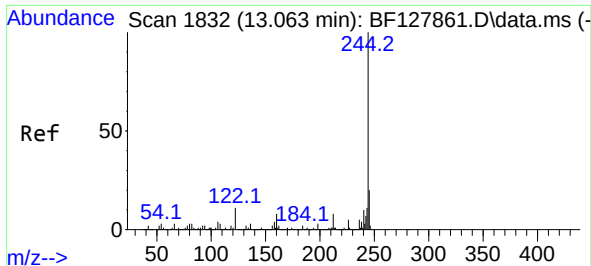
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#78
Pyrene
Concen: 13.783 ng
RT: 12.886 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

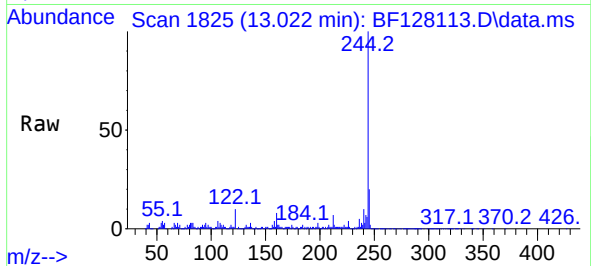
Tgt Ion:202 Resp: 197180
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 16.7 14.0 21.0





#79
Terphenyl-d14
Concen: 12.203 ng
RT: 13.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

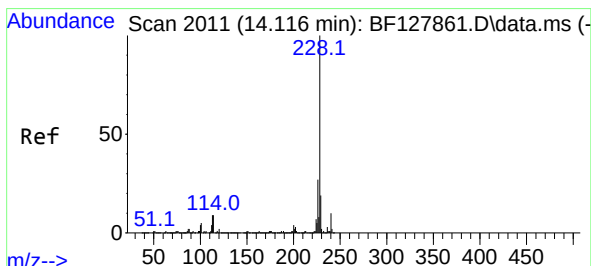
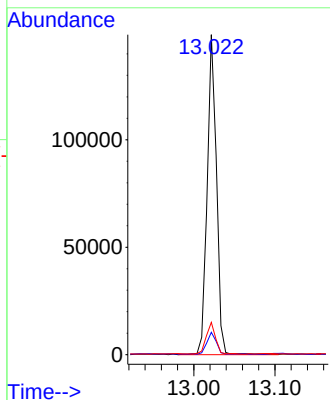
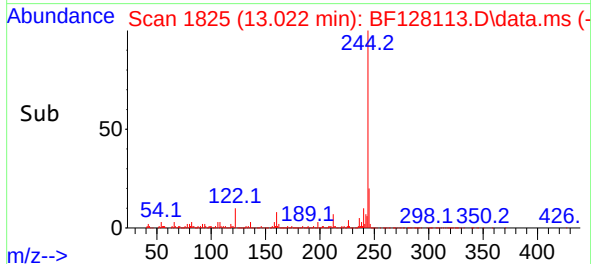
Instrument :
BNA_F
ClientSampleId :
OK-01-050422



Tgt Ion:244 Resp: 118262
Ion Ratio Lower Upper
244 100
212 7.0 6.2 9.4
122 10.1 8.6 12.8

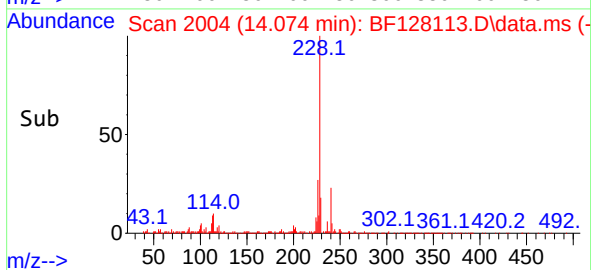
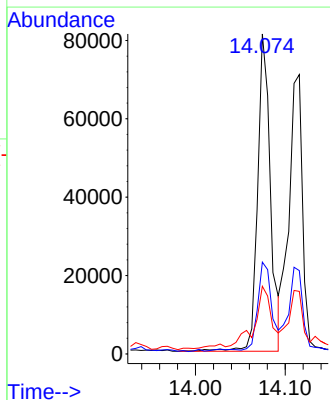
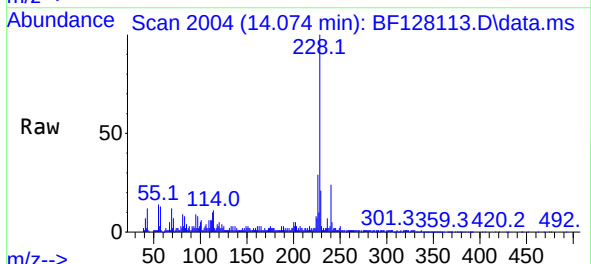
Manual Integrations
APPROVED

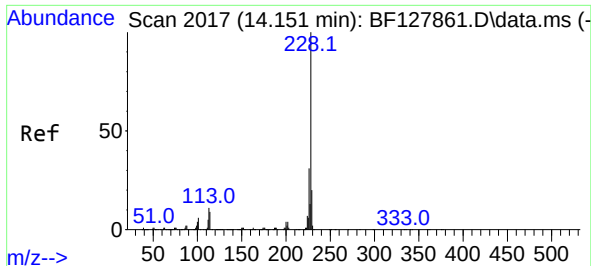
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#81
Benzo(a)anthracene
Concen: 6.792 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Tgt Ion:228 Resp: 80224
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 21.2 15.4 23.2





#83
Chrysene
Concen: 6.642 ng
RT: 14.116 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

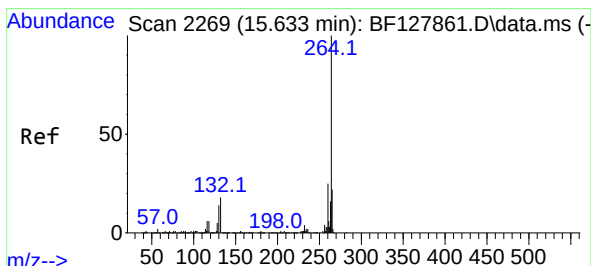
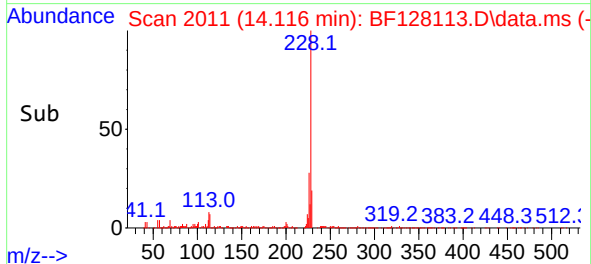
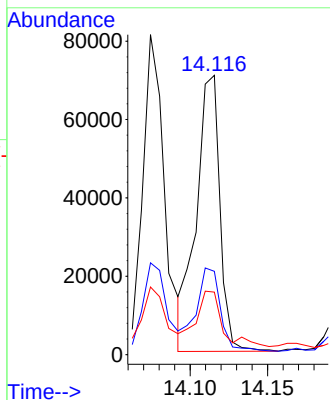
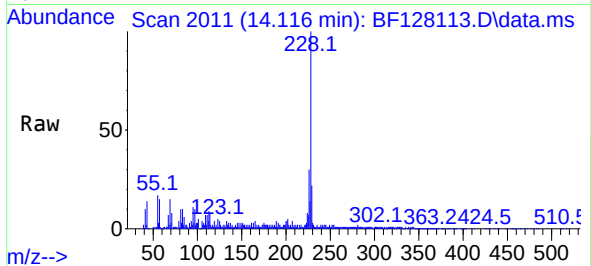
ClientSampleId :

OK-01-050422

Tgt Ion:228 Resp: 7492
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 22.4 15.8 23.8

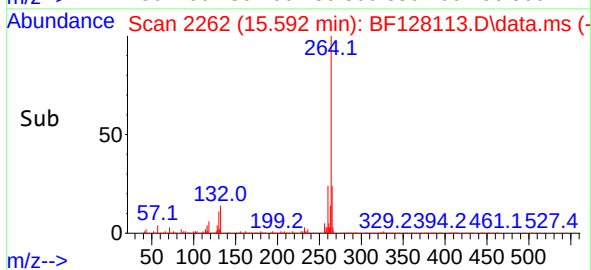
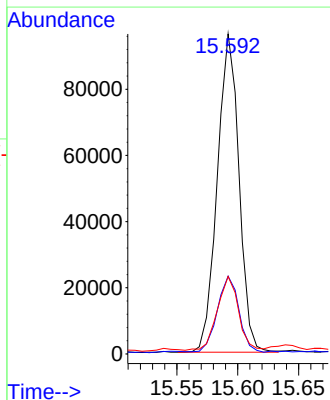
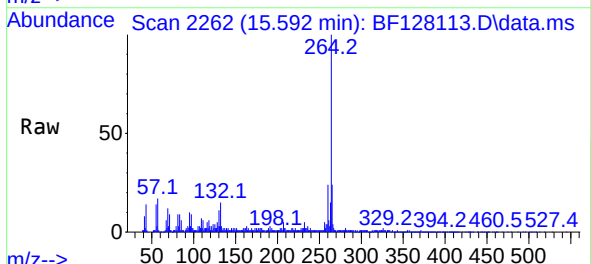
Manual Integrations
APPROVED

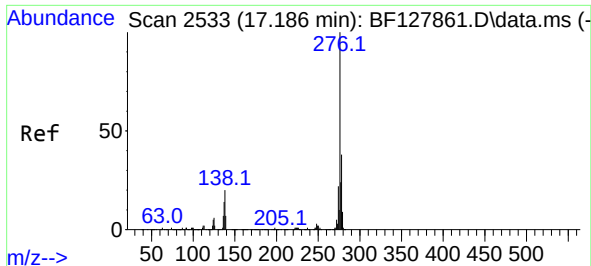
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Tgt Ion:264 Resp: 119309
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 24.2 17.5 26.3





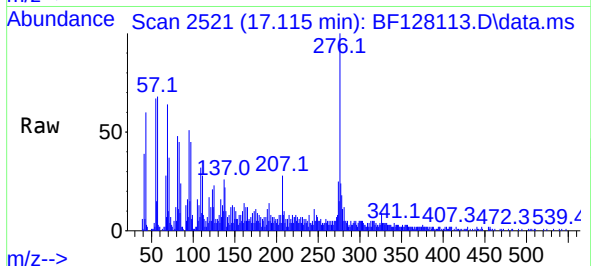
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.290 ng
RT: 17.115 min Scan# 2186
Delta R.T. -0.012 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

ClientSampleId :

OK-01-050422

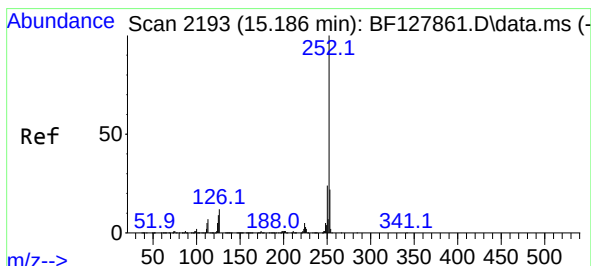
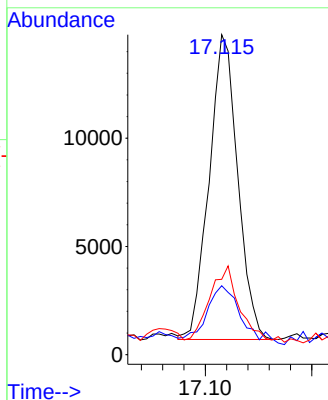
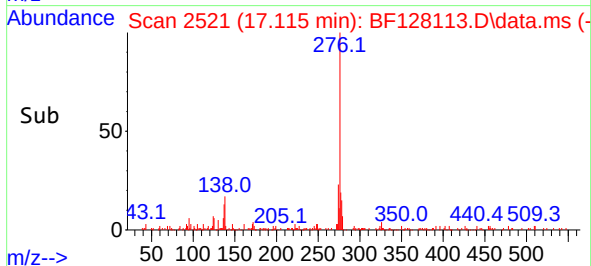


Tgt Ion:276 Resp: 2620
Ion Ratio Lower Upper
276 100
138 23.9 19.0 28.4
277 24.2 20.1 30.1

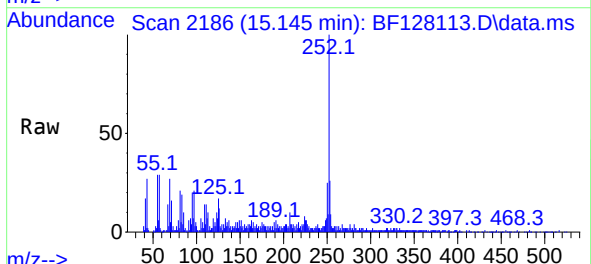
Manual Integrations

APPROVED

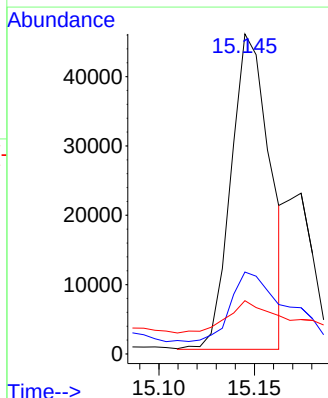
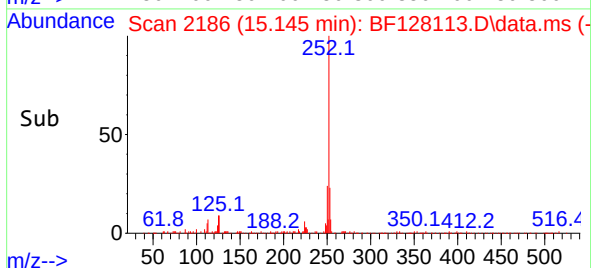
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

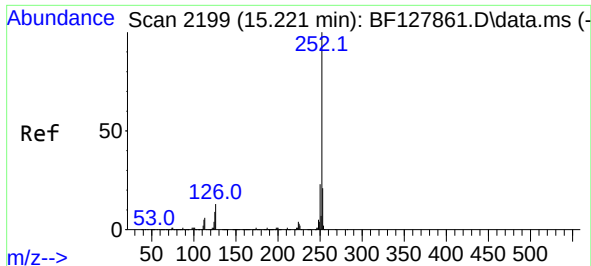


#88
Benzo(b)fluoranthene
Concen: 8.576 ng m
RT: 15.145 min Scan# 2186
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13



Tgt Ion:252 Resp: 64267
Ion Ratio Lower Upper
252 100
253 25.6 17.4 26.2
125 16.7 7.4 11.2#





#89
Benzo(k)fluoranthene
Concen: 2.981 ng m
RT: 15.174 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNF

ClientSampleId :

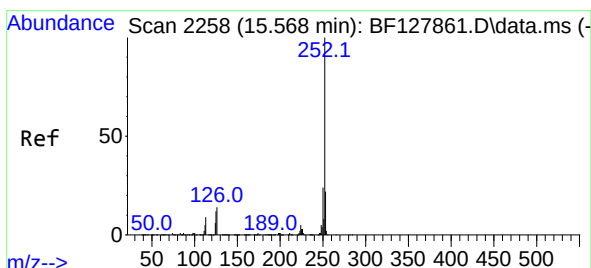
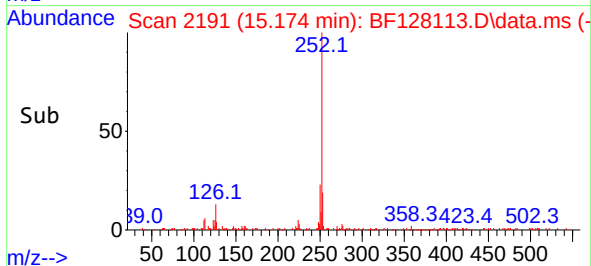
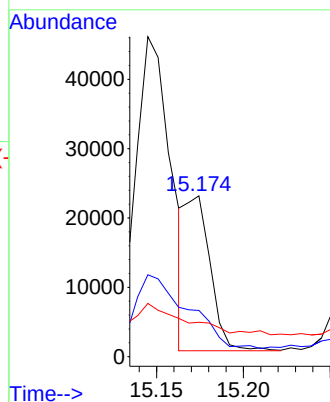
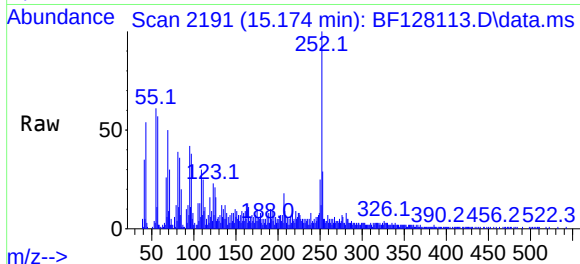
OK-01-050422

Tgt Ion:252 Resp: 22500
Ion Ratio Lower Upper
252 100
253 28.8 17.0 25.4
125 21.4 6.8 10.2

Manual Integrations

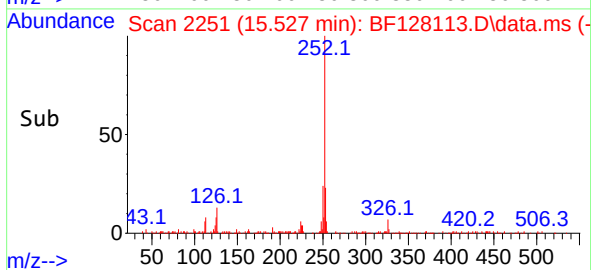
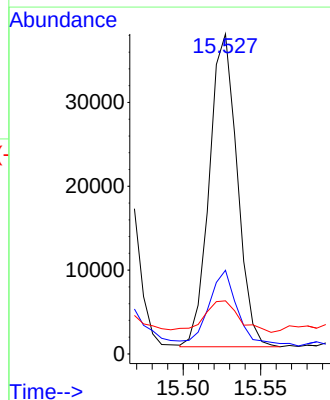
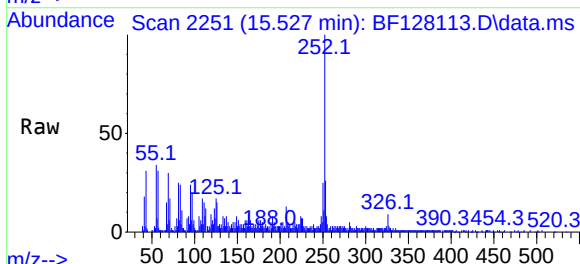
APPROVED

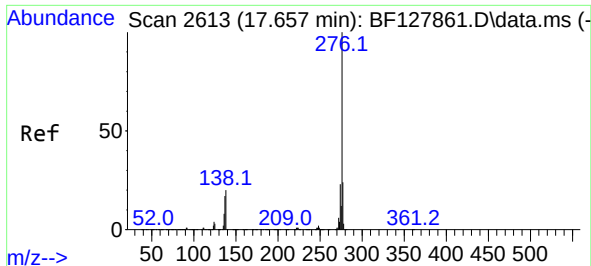
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#90
Benzo(a)pyrene
Concen: 7.496 ng
RT: 15.527 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Tgt Ion:252 Resp: 46594
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.6
125 16.6 9.2 13.8





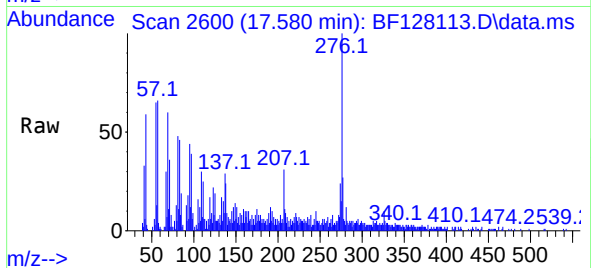
#92
Benzo(g,h,i)perylene
Concen: 4.287 ng
RT: 17.580 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF128113.D
Acq: 06 May 2022 00:13

Instrument :

BNA_F

ClientSampleId :

OK-01-050422



Tgt Ion:	276	Resp:	2885
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.8	28.2
138	24.4	16.2	24.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

