

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
 Data File : BF128109.D
 Acq On : 05 May 2022 22:17
 Operator : CG\JU
 Sample : N2692-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12002

Manual Integrations
 APPROVED

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

Quant Time: May 06 05:03:01 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	89537	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	343717	20.000	ng	-0.01
39) Acenaphthene-d10	9.951	164	162108	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	203020	20.000	ng	# 0.00
76) Chrysene-d12	14.086	240	189179	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	165850	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	450655	80.168	ng	0.00
7) Phenol-d6	6.534	99	609251	83.526	ng	-0.01
23) Nitrobenzene-d5	7.469	82	435378	59.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.745	330	125273	76.766	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	714680	74.583	ng	0.00
79) Terphenyl-d14	13.033	244	542054	52.394	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.475	178	50556	4.757	ng	# 79
75) Fluoranthene	12.663	202	87061	7.784	ng	97
78) Pyrene	12.892	202	78837m	5.162	ng	
81) Benzo(a)anthracene	14.080	228	48497	3.846	ng	95
83) Chrysene	14.116	228	44059	3.659	ng	97
87) Indeno(1,2,3-cd)pyrene	17.104	276	22216	2.007	ng	98
88) Benzo(b)fluoranthene	15.139	252	57920m	5.560	ng	
89) Benzo(k)fluoranthene	15.168	252	22976m	2.189	ng	
90) Benzo(a)pyrene	15.515	252	38535	4.460	ng	98
92) Benzo(g,h,i)perylene	17.568	276	24114	2.577	ng	97

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

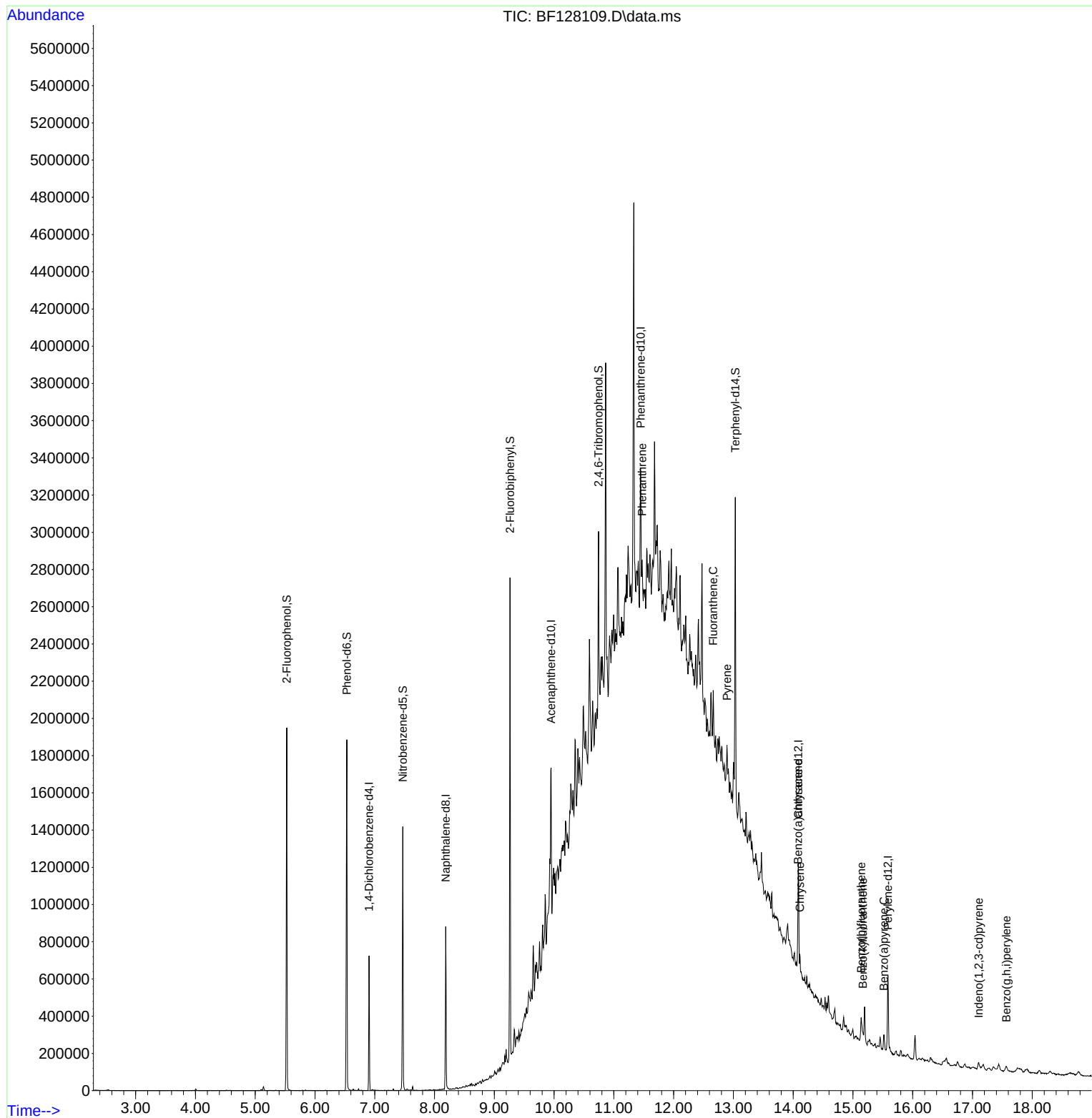
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050522\
Data File : BF128109.D
Acq On : 05 May 2022 22:17
Operator : CG\JU
Sample : N2692-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

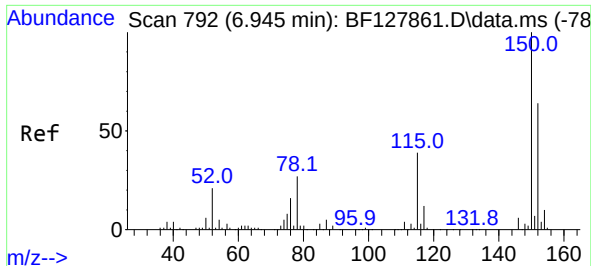
Instrument :
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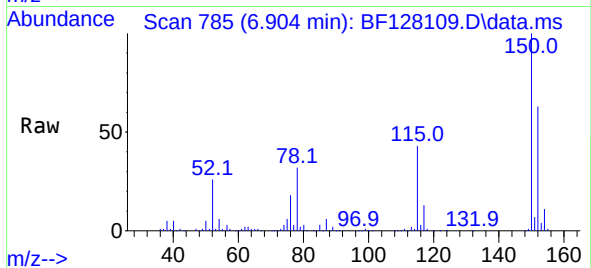
Quant Time: May 06 05:03:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 05 17:56:23 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

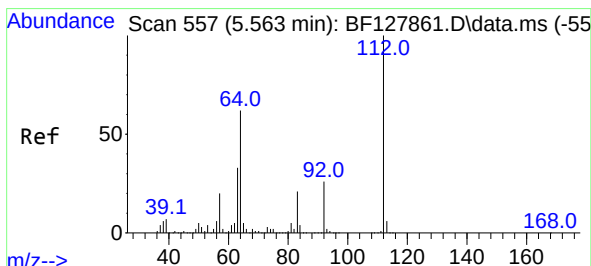
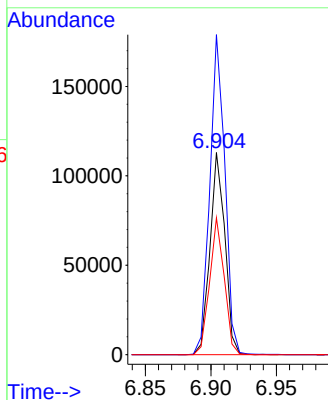
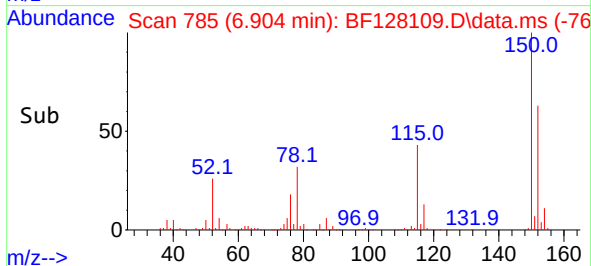
Instrument :
BNA_F
ClientSampleId :
72-12002



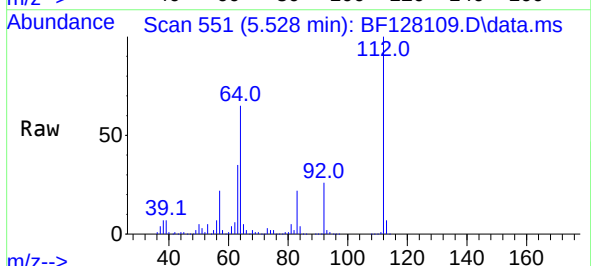
Tgt Ion:152 Resp: 8953
Ion Ratio Lower Upper
152 100
150 158.3 125.3 187.9
115 67.7 48.8 73.2

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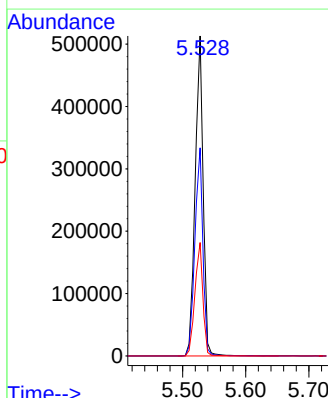
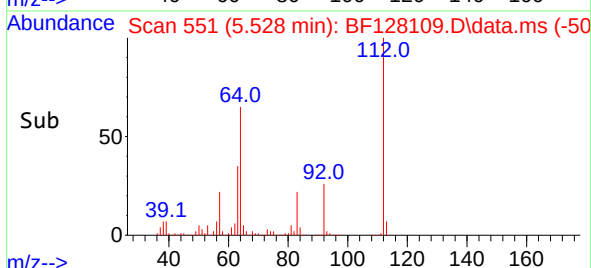
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

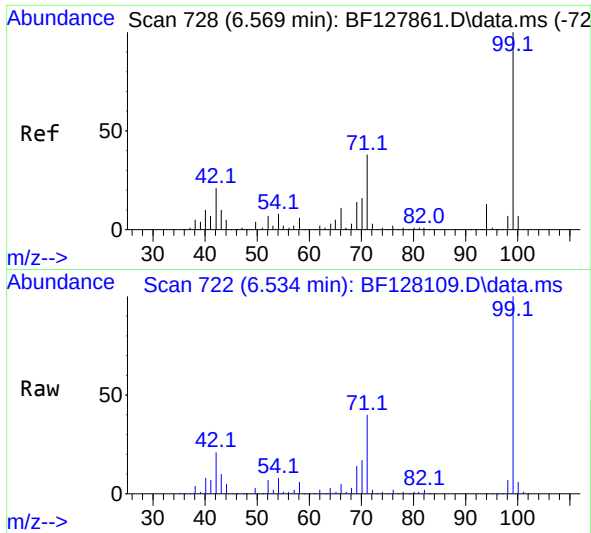


#5
2-Fluorophenol
Concen: 80.168 ng
RT: 5.528 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



Tgt Ion:112 Resp: 450655
Ion Ratio Lower Upper
112 100
64 65.0 49.5 74.3
63 35.4 26.3 39.5





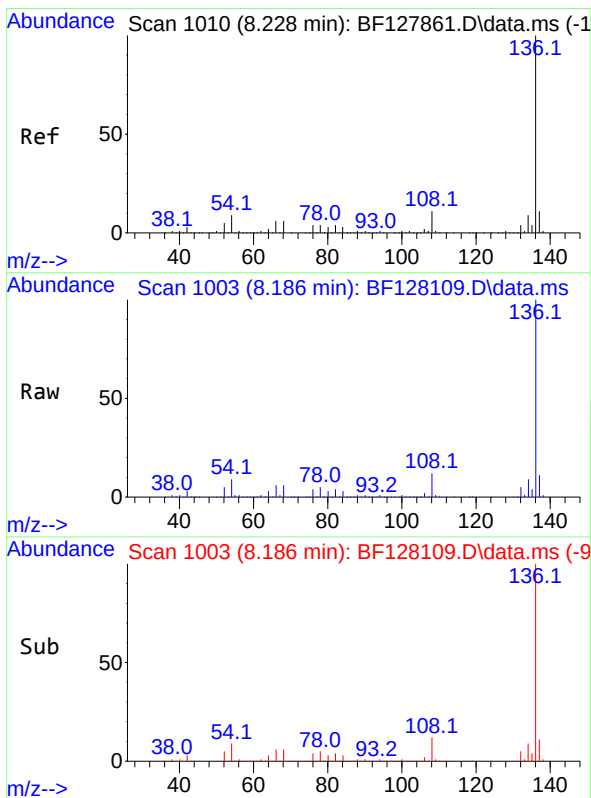
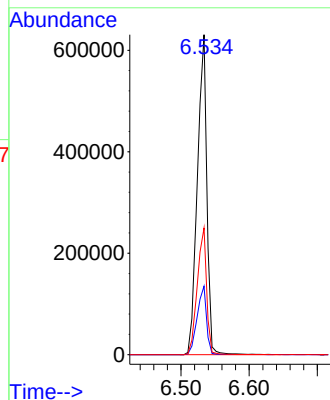
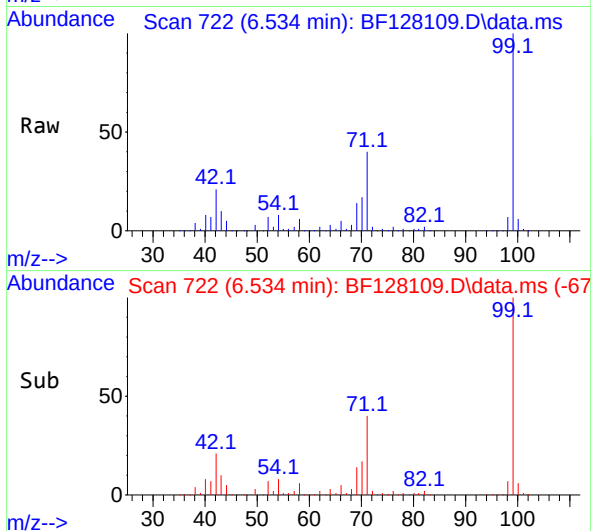
#7
Phenol-d6
Concen: 83.526 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion: 99 Resp: 60925
Ion Ratio Lower Upper
99 100
42 21.4 16.6 24.8
71 39.6 30.0 45.0

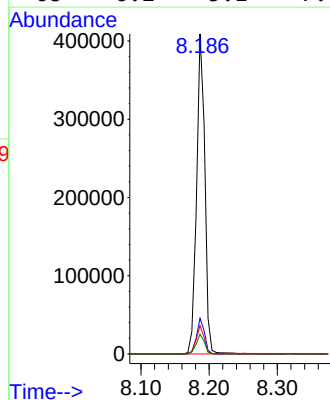
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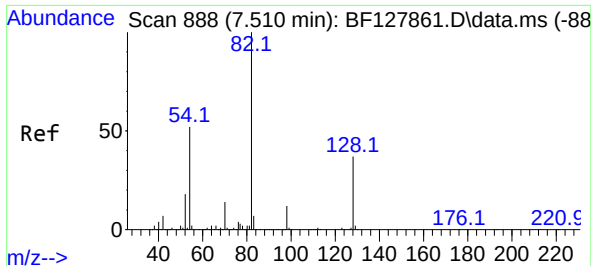
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Tgt Ion:136 Resp: 343717
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.9 6.8 10.2
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 59.564 ng

RT: 7.469 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

Instrument :

BNA_F

ClientSampleId :

72-12002

Tgt Ion: 82 Resp: 435378

Ion Ratio Lower Upper

82 100

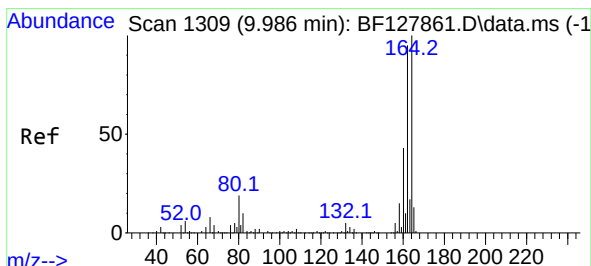
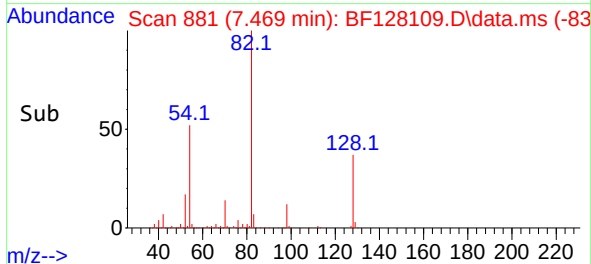
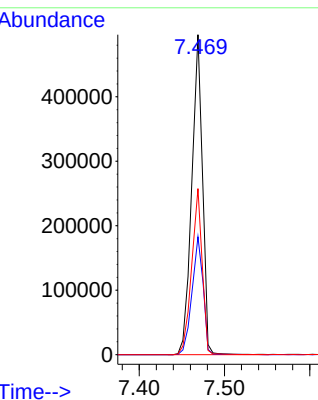
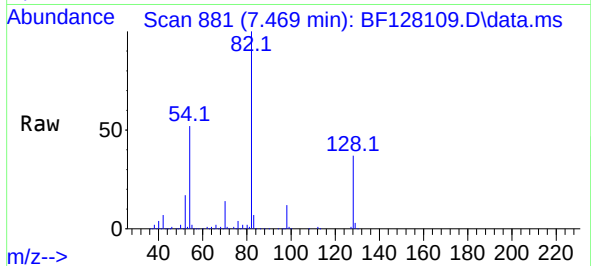
128 36.9 30.0 45.0

54 51.9 41.3 61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.951 min Scan# 1303

Delta R.T. 0.000 min

Lab File: BF128109.D

Acq: 05 May 2022 22:17

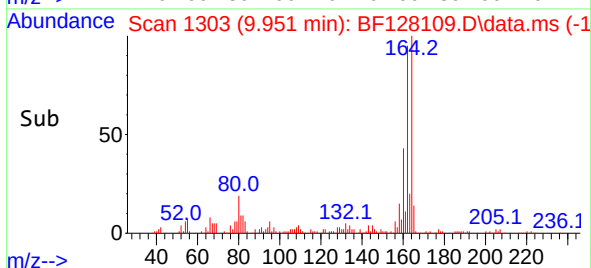
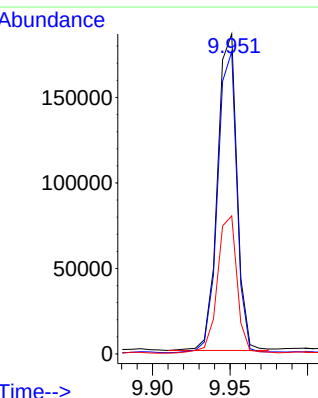
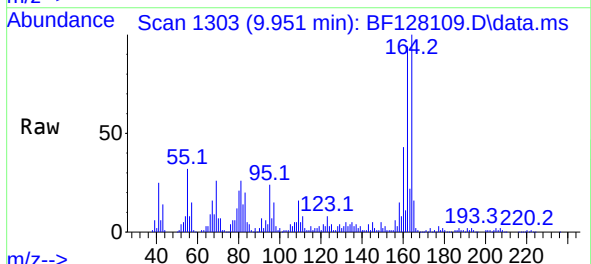
Tgt Ion:164 Resp: 162108

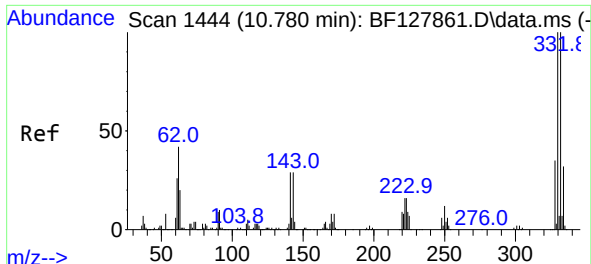
Ion Ratio Lower Upper

164 100

162 94.5 76.0 114.0

160 43.1 34.8 52.2



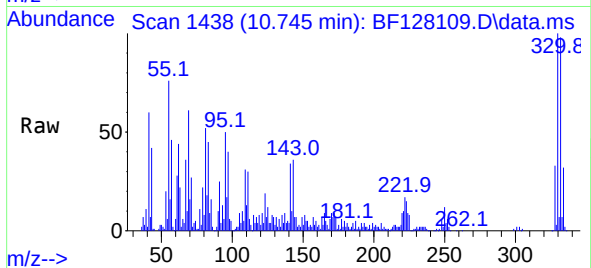


#42
2,4,6-Tribromophenol
Concen: 76.766 ng
RT: 10.745 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Instrument :

BNA_F

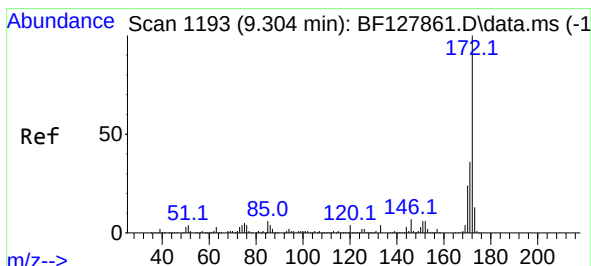
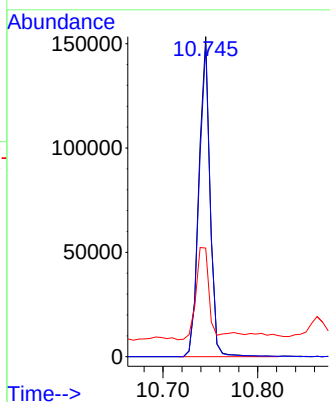
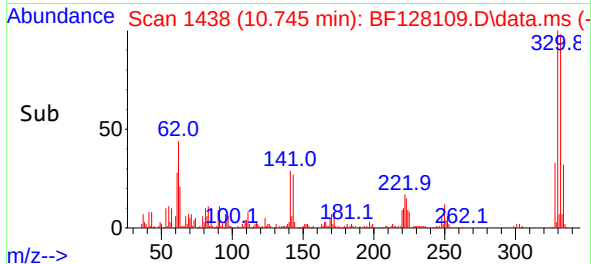
ClientSampleId :
72-12002



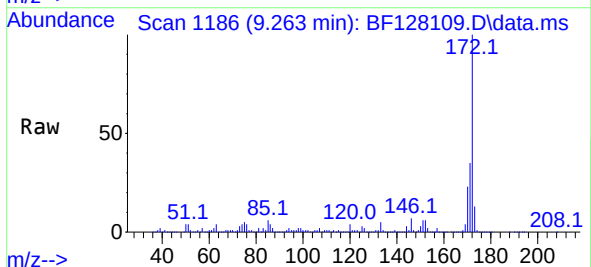
Tgt Ion:330 Resp: 12527
Ion Ratio Lower Upper
330 100
332 96.9 79.0 118.4
141 33.8 28.9 43.3

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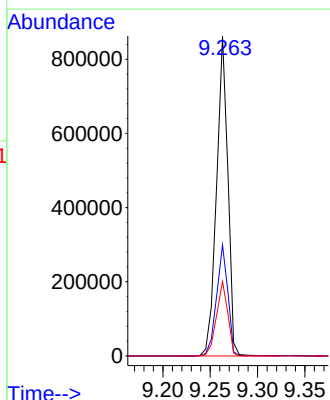
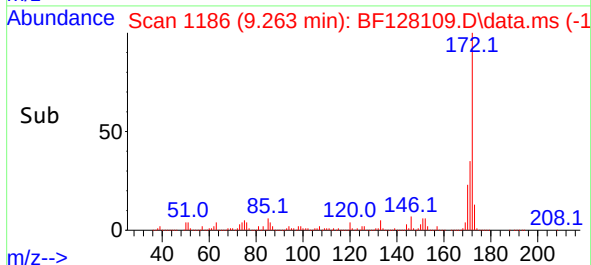
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

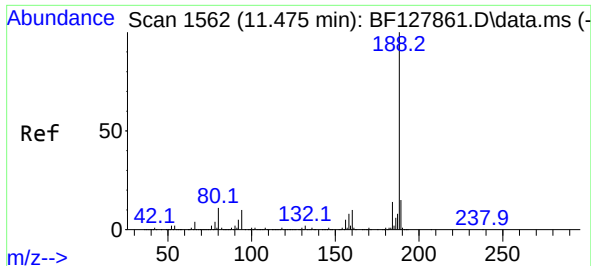


#45
2-Fluorobiphenyl
Concen: 74.583 ng
RT: 9.263 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



Tgt Ion:172 Resp: 714680
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 23.3 19.1 28.7





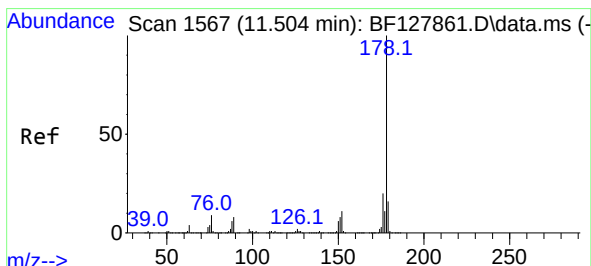
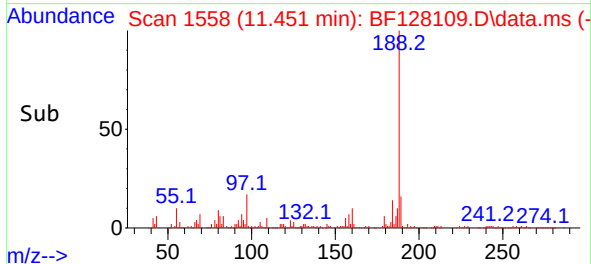
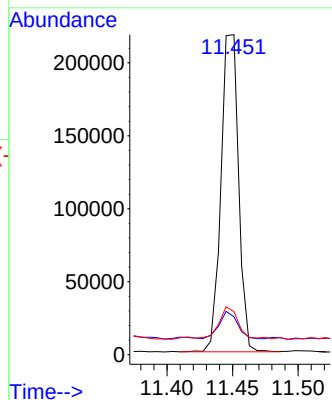
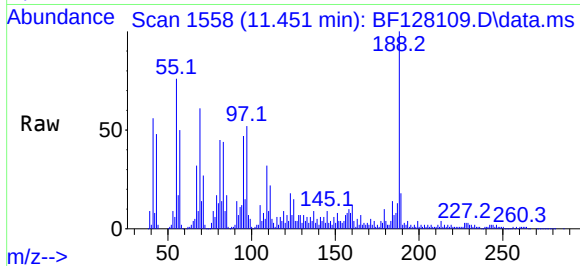
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

Instrument :
BNA_F
ClientSampleId :
72-12002

Tgt Ion:188 Resp: 203020
Ion Ratio Lower Upper
188 100
94 11.8 8.0 12.0
80 13.5 8.9 13.3

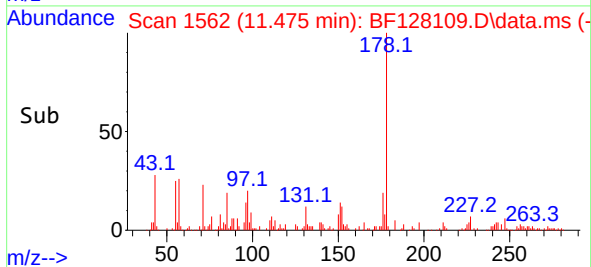
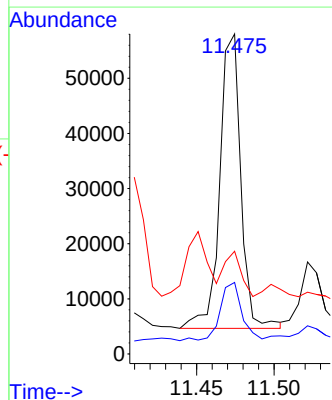
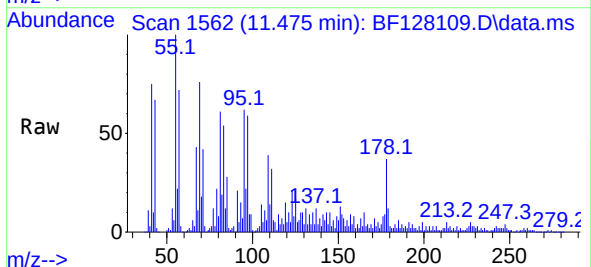
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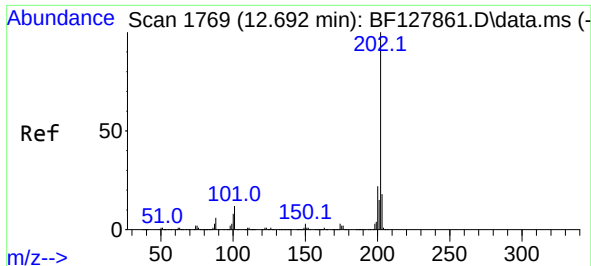
Reviewed By :Christian Giraldo 05/06/2022
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#71
Phenanthrene
Concen: 4.757 ng
RT: 11.475 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

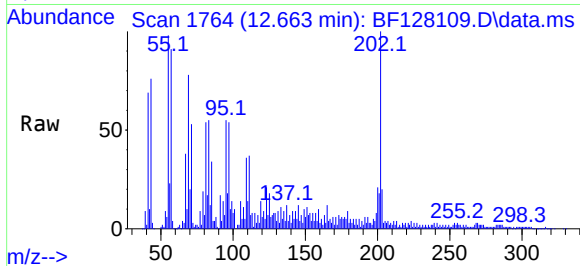
Tgt Ion:178 Resp: 50556
Ion Ratio Lower Upper
178 100
176 22.4 15.7 23.5
179 32.1 12.6 19.0





#75
Fluoranthene
Concen: 7.784 ng
RT: 12.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

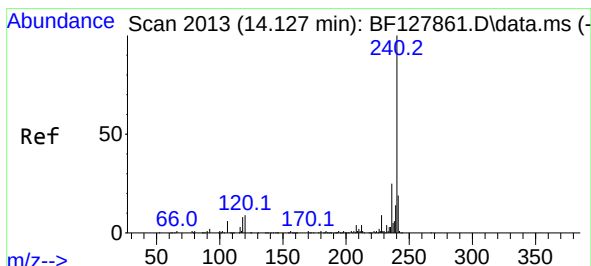
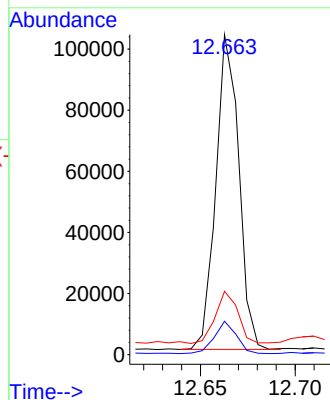
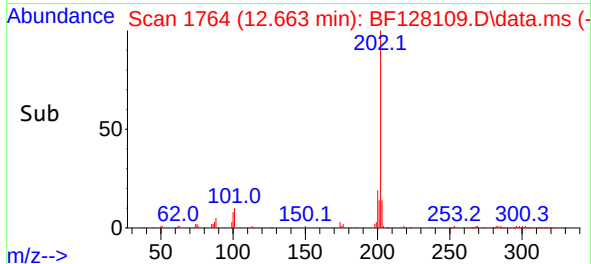
Instrument :
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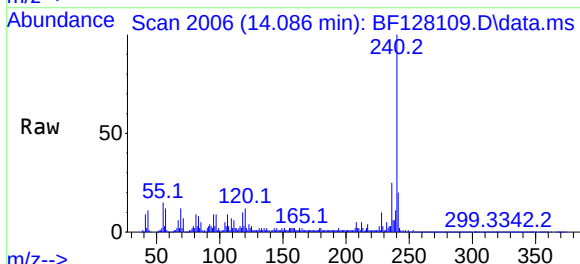
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Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 19.8 0.0 38.1

Manual Integrations
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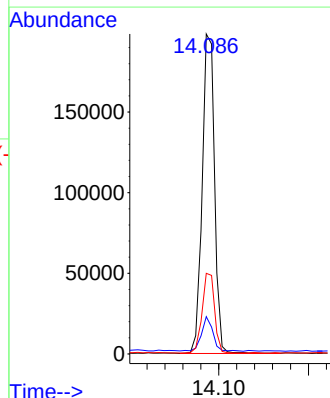
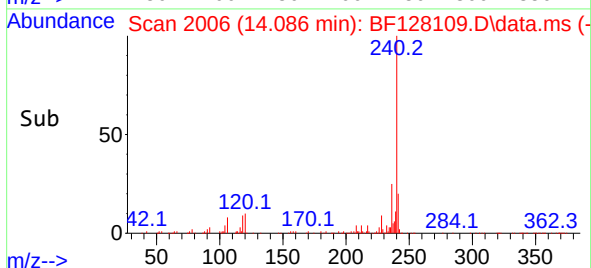
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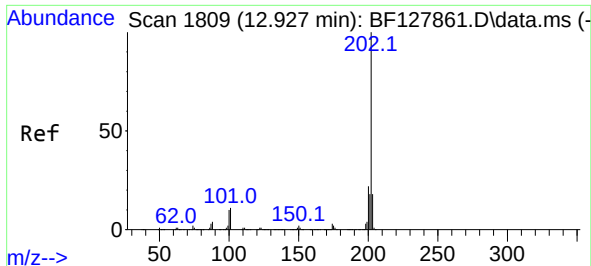


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



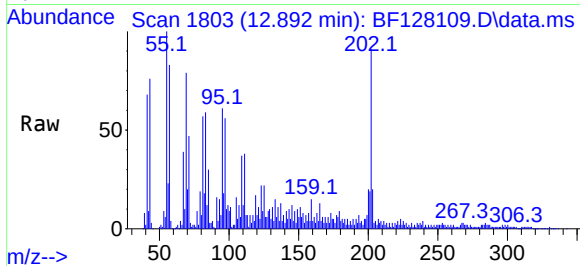
Tgt Ion:240 Resp: 189179
Ion Ratio Lower Upper
240 100
120 11.6 7.0 10.6#
236 25.2 20.3 30.5





#78
Pyrene
Concen: 5.162 ng m
RT: 12.892 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

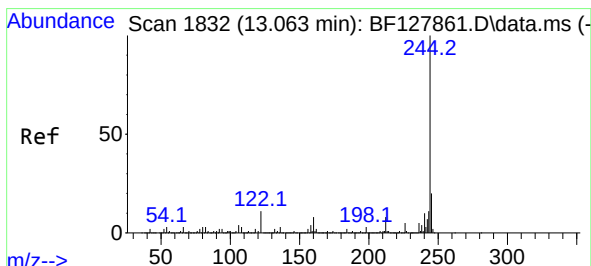
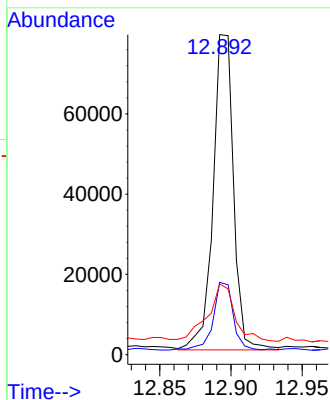
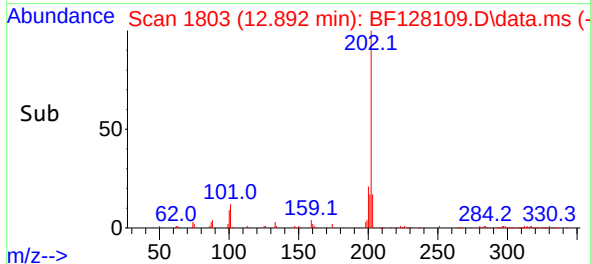
Instrument :
BNA_F
ClientSampleId :
72-12002



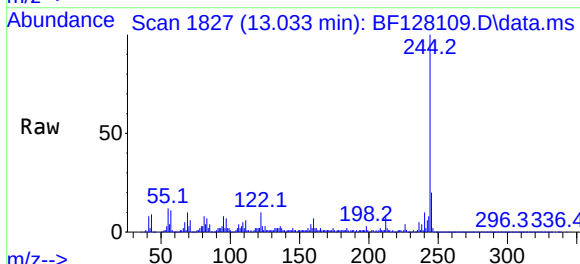
Tgt Ion:202 Resp: 7883
Ion Ratio Lower Upper
202 100
200 22.6 17.4 26.2
203 22.1 14.0 21.0

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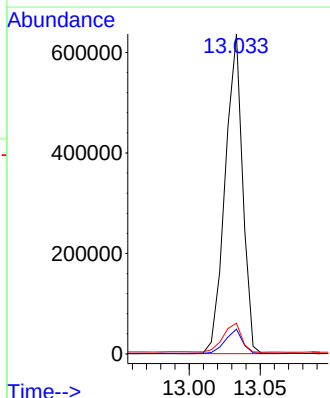
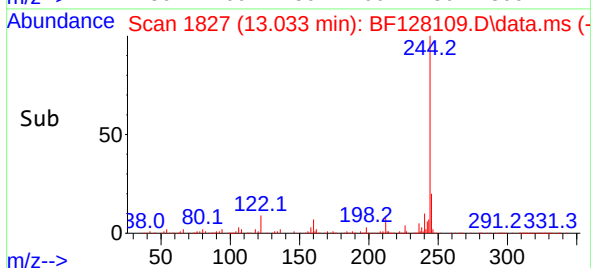
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

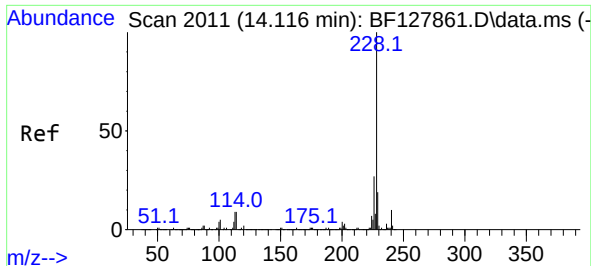


#79
Terphenyl-d14
Concen: 52.394 ng
RT: 13.033 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



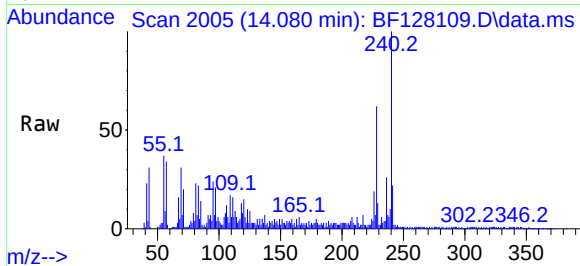
Tgt Ion:244 Resp: 542054
Ion Ratio Lower Upper
244 100
212 7.8 6.2 9.4
122 9.6 8.6 12.8





#81
Benzo(a)anthracene
Concen: 3.846 ng
RT: 14.080 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

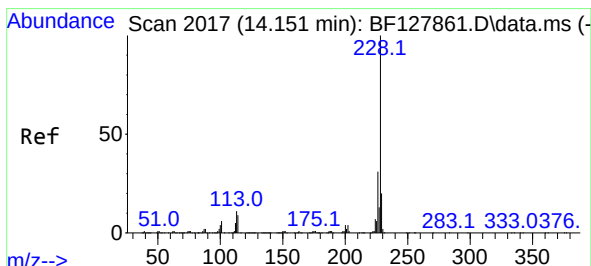
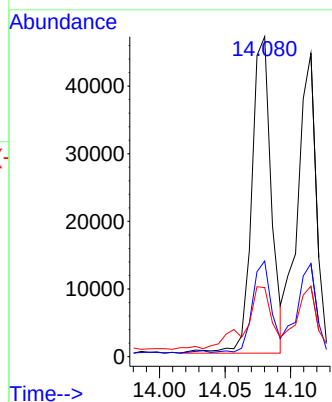
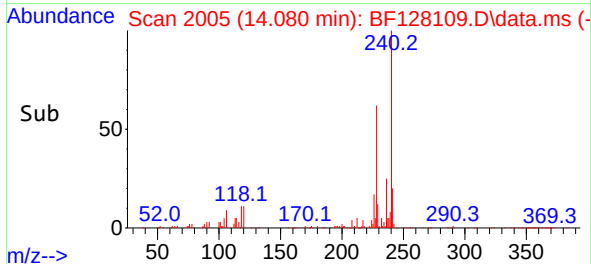
Instrument :
BNA_F
ClientSampleId :
72-12002



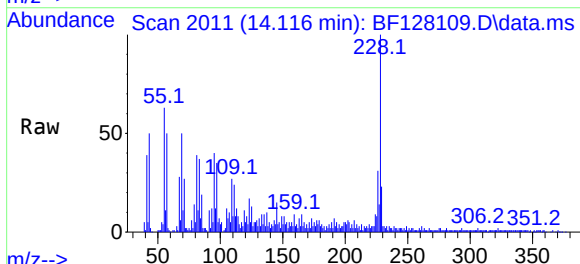
Tgt Ion:228 Resp: 4849
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 21.6 15.4 23.2

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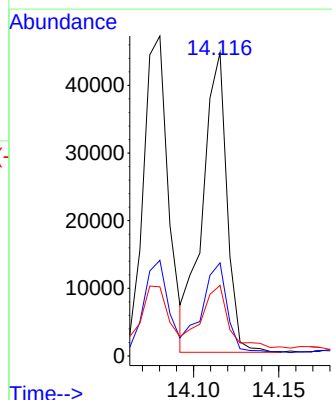
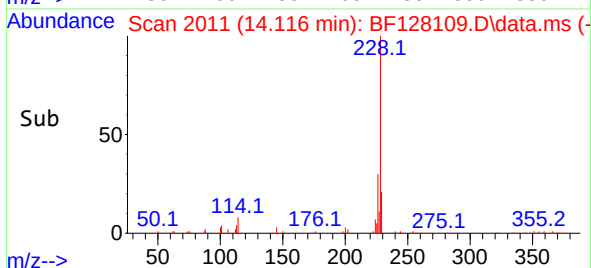
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

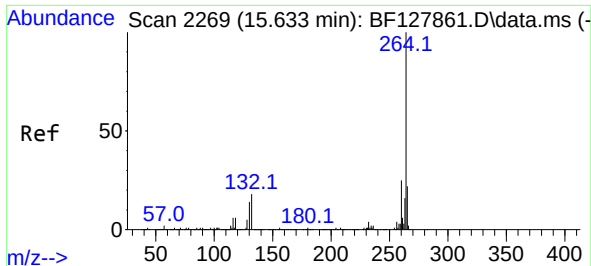


#83
Chrysene
Concen: 3.659 ng
RT: 14.116 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



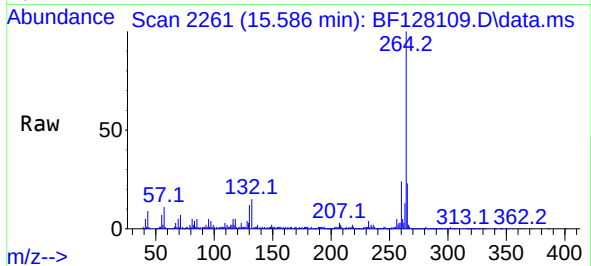
Tgt Ion:228 Resp: 44059
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 23.3 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

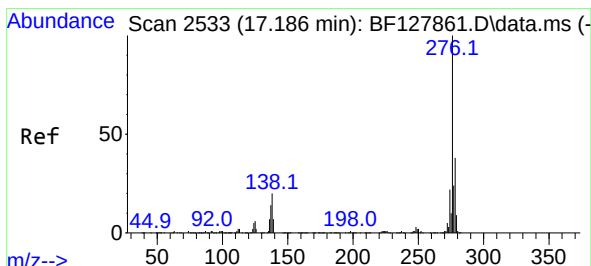
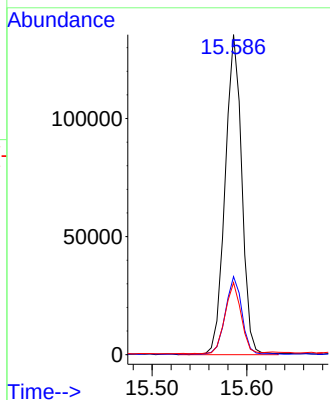
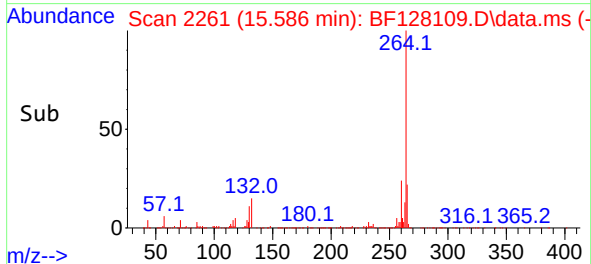
Instrument :
BNA_F
ClientSampleId :
72-12002



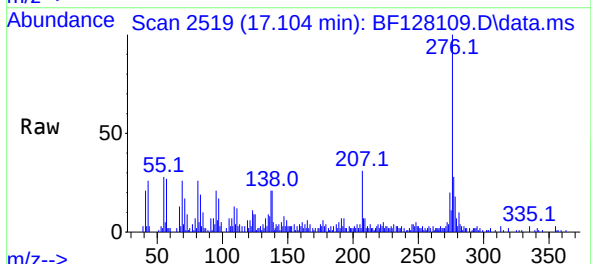
Tgt Ion:264 Resp: 165850
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.5 17.5 26.3

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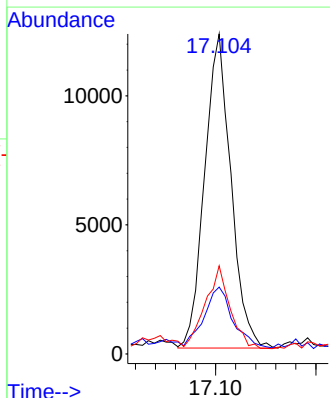
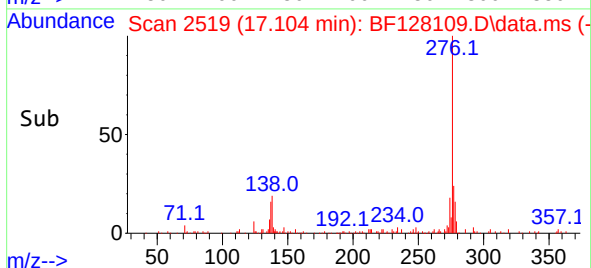
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

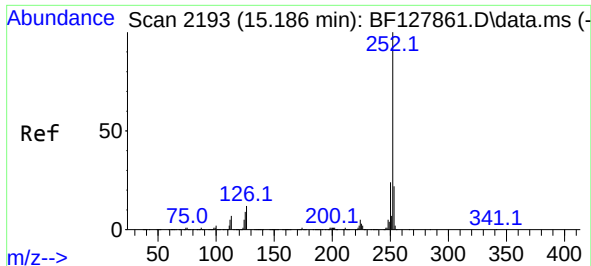


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.007 ng
RT: 17.104 min Scan# 2519
Delta R.T. -0.023 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



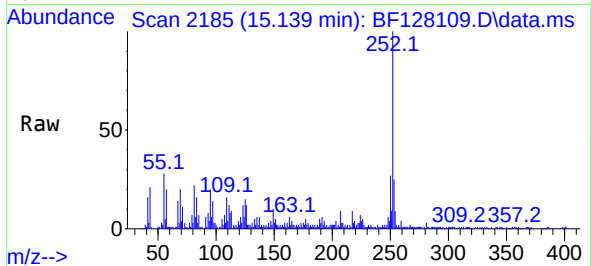
Tgt Ion:276 Resp: 22216
Ion Ratio Lower Upper
276 100
138 21.7 19.0 28.4
277 24.7 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 5.560 ng m
RT: 15.139 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

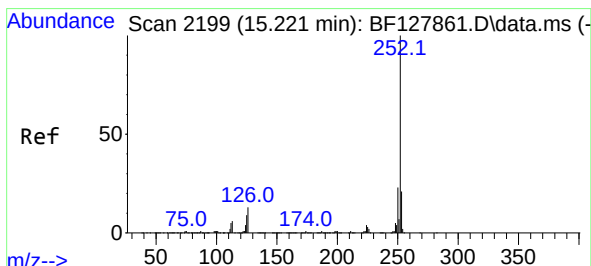
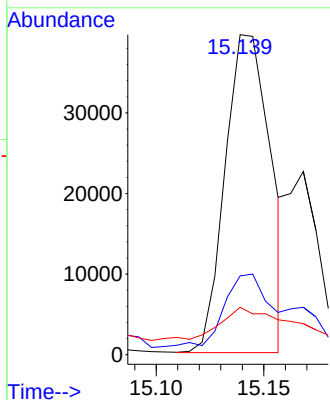
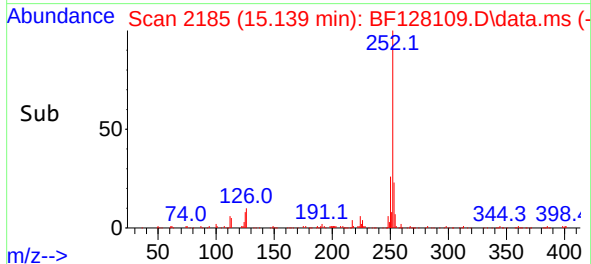
Instrument :
BNA_F
ClientSampleId :
72-12002



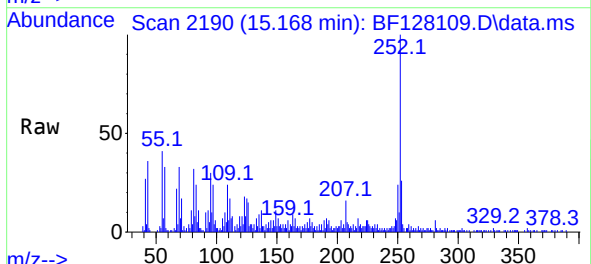
Tgt Ion:252 Resp: 57920
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 14.8 7.4 11.2

Manual Integrations
APPROVED

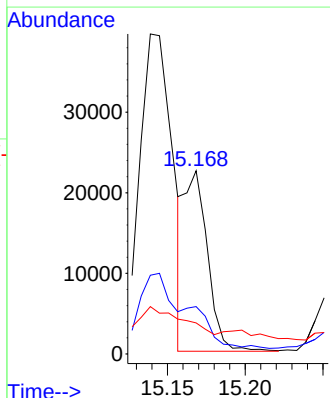
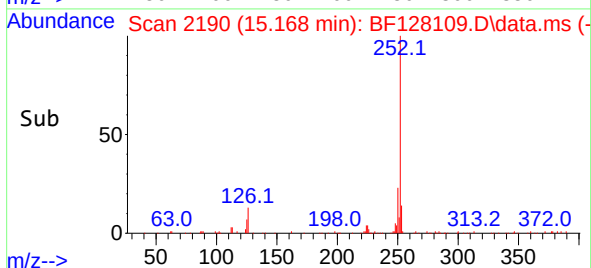
Reviewed By :Christian Giraldo 05/06/2022
Supervised By :mohammad ahmed 05/09/2022

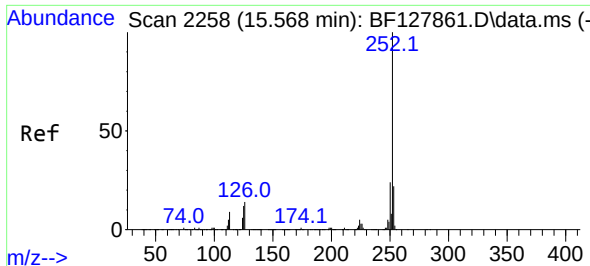


#89
Benzo(k)fluoranthene
Concen: 2.189 ng m
RT: 15.168 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



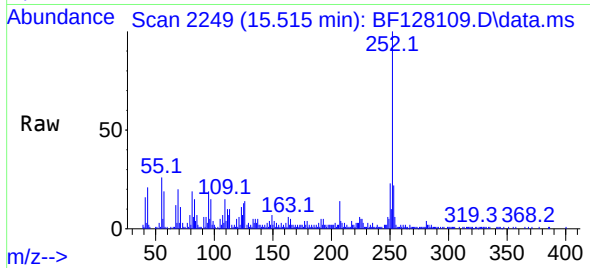
Tgt Ion:252 Resp: 22976
Ion Ratio Lower Upper
252 100
253 25.9 17.0 25.4#
125 17.0 6.8 10.2#





#90
Benzo(a)pyrene
Concen: 4.460 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17

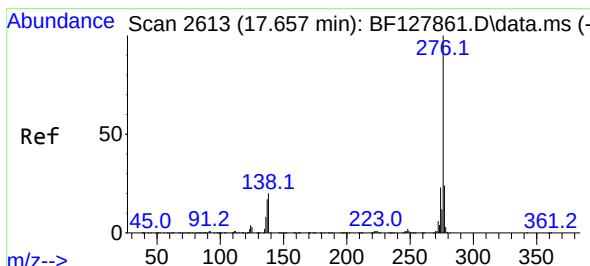
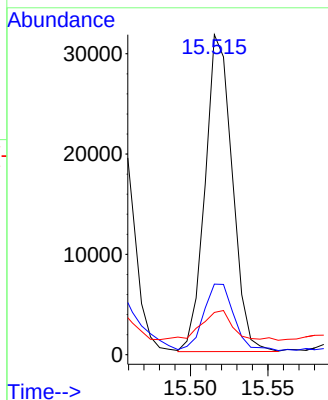
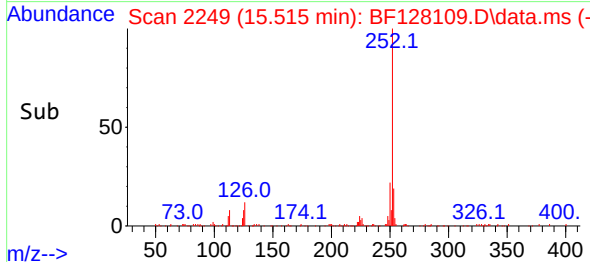
Instrument :
BNA_F
ClientSampleId :
72-12002



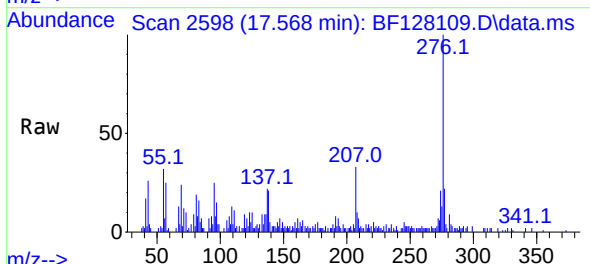
Tgt Ion:252 Resp: 3853
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.6
125 13.2 9.2 13.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 2.577 ng
RT: 17.568 min Scan# 2598
Delta R.T. -0.029 min
Lab File: BF128109.D
Acq: 05 May 2022 22:17



Tgt Ion:276 Resp: 24114
Ion Ratio Lower Upper
276 100
277 21.5 18.8 28.2
138 20.9 16.2 24.2

