

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
 Data File : BF128009.D
 Acq On : 29 Apr 2022 22:01
 Operator : CG\JU
 Sample : N2604-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-042822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2022
 Supervised By : Jagrut Upadhyay 05/02/2022

Quant Time: May 02 00:59:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	111802	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	387869	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	190318	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	322630	20.000	ng	0.00
76) Chrysene-d12	14.116	240	212732	20.000	ng	0.00
86) Perylene-d12	15.627	264	163034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	282063	40.184	ng	-0.01
7) Phenol-d6	6.545	99	353798	38.845	ng	-0.02
23) Nitrobenzene-d5	7.487	82	232902	28.236	ng	-0.02
42) 2,4,6-Tribromophenol	10.757	330	74256	38.758	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	375263	33.357	ng	-0.01
79) Terphenyl-d14	13.063	244	348495	29.955	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.828	152	55600	3.387	ng	97
71) Phenanthrene	11.486	178	110814	6.562	ng	98
75) Fluoranthene	12.686	202	273450	15.385	ng	98
78) Pyrene	12.922	202	305872	17.811	ng	97
81) Benzo(a)anthracene	14.104	228	152790	10.776	ng	92
83) Chrysene	14.139	228	151553	11.192	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	76229	7.005	ng	# 94
88) Benzo(b)fluoranthene	15.174	252	179370m	17.517	ng	
89) Benzo(k)fluoranthene	15.204	252	42528m	4.122	ng	
90) Benzo(a)pyrene	15.563	252	117857	13.875	ng	98
91) Dibenzo(a,h)anthracene	17.168	278	18656	2.138	ng	# 78
92) Benzo(g,h,i)perylene	17.633	276	77066	8.379	ng	93

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

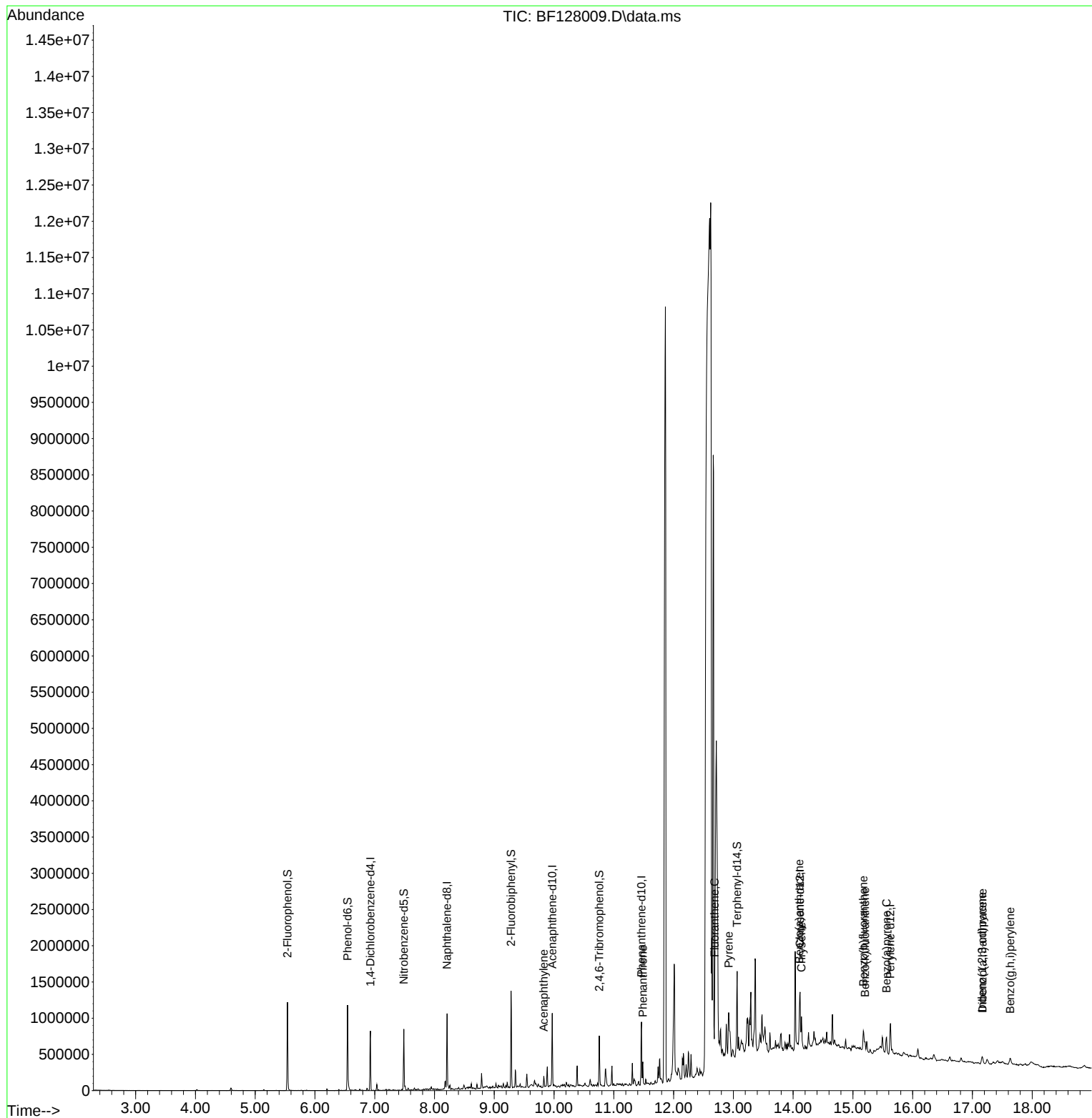
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042922\
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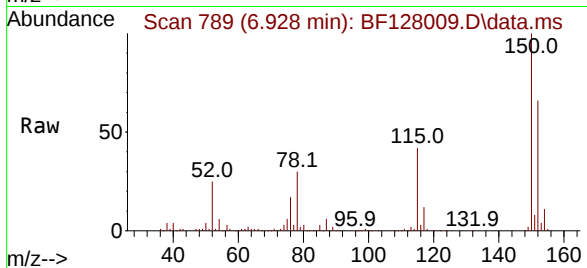
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

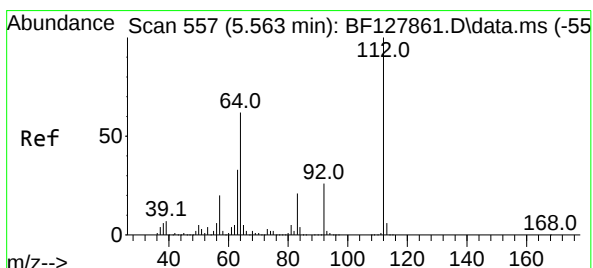
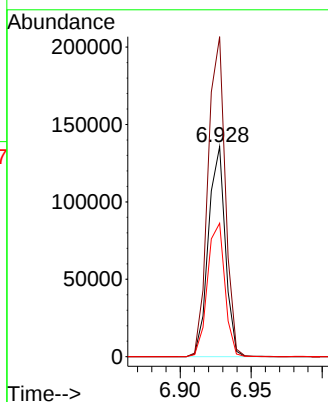
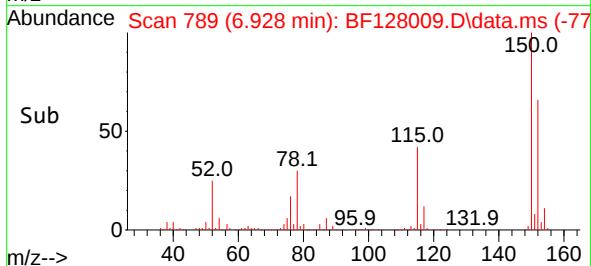
Instrument :
BNA_F
ClientSampleId :
NB-07-042822



Tgt Ion:152 Resp: 111802
Ion Ratio Lower Upper
152 100
150 152.4 125.3 187.9
115 63.5 48.8 73.2

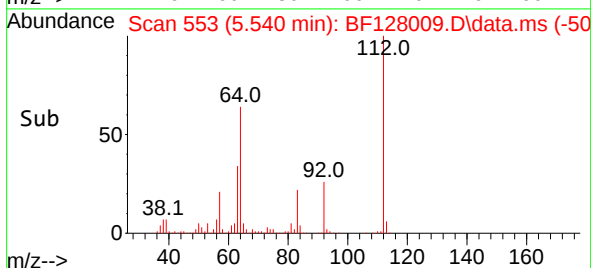
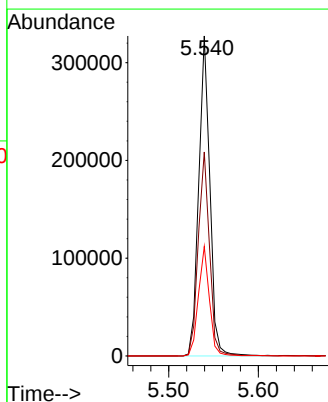
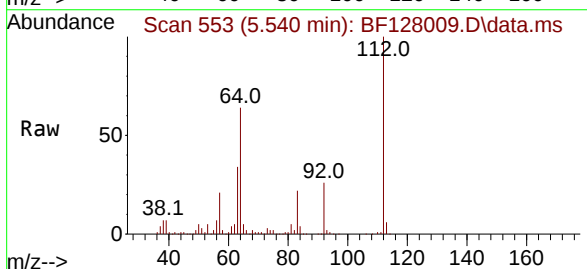
Manual Integrations
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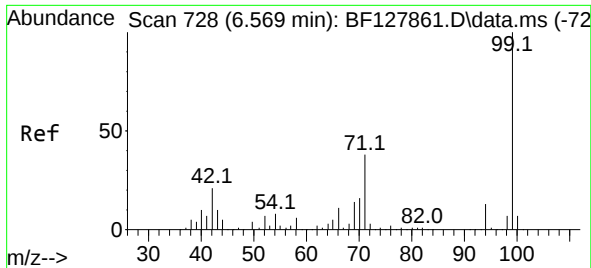
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#5
2-Fluorophenol
Concen: 40.184 ng
RT: 5.540 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:112 Resp: 282063
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 34.2 26.3 39.5





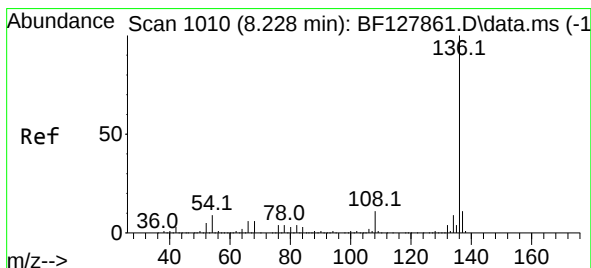
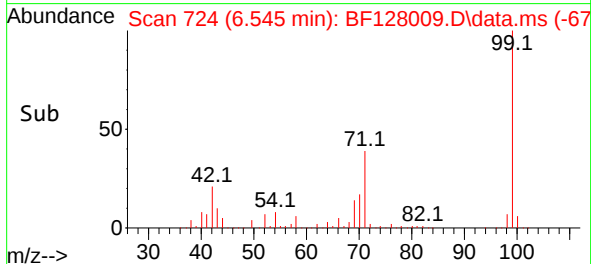
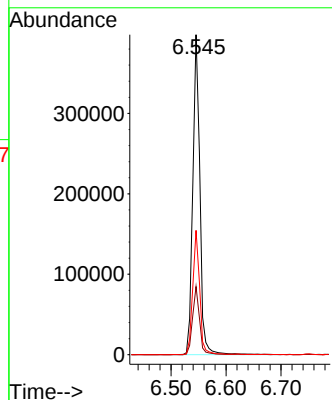
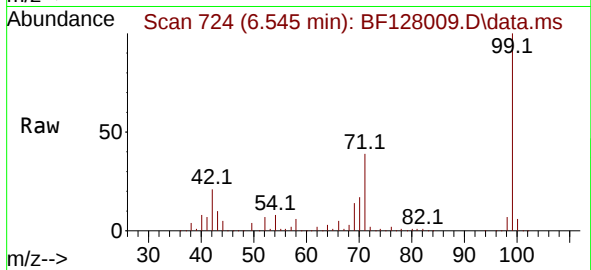
#7
Phenol-d6
Concen: 38.845 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :
BNA_F
ClientSampleId :
NB-07-042822

Tgt Ion: 99 Resp: 353798
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 38.8 30.0 45.0

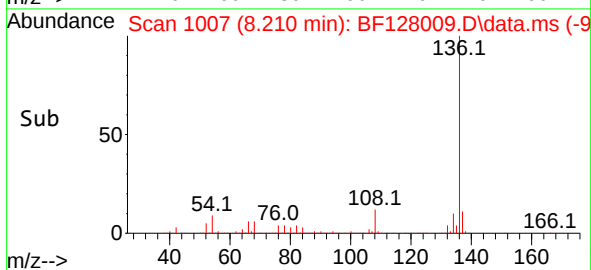
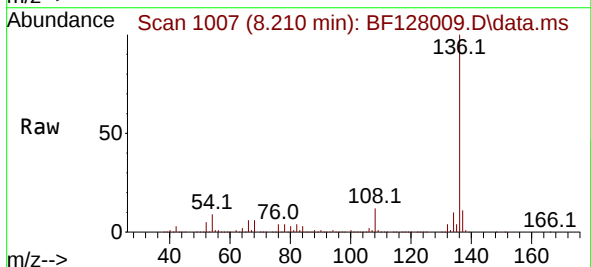
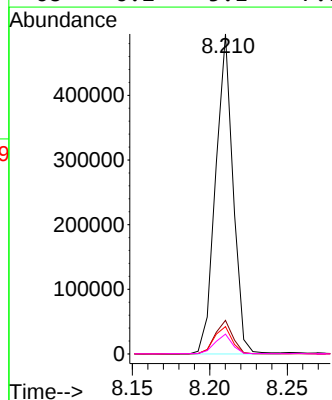
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:136 Resp: 387869
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.6 6.8 10.2
68 6.2 5.1 7.7





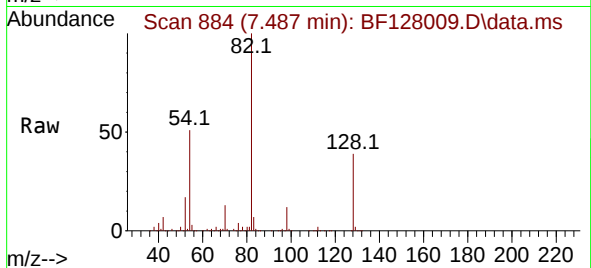
#23
Nitrobenzene-d5
Concen: 28.236 ng
RT: 7.487 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

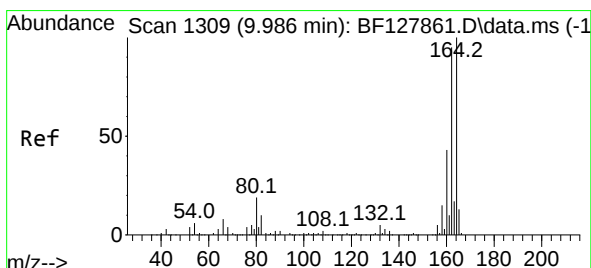
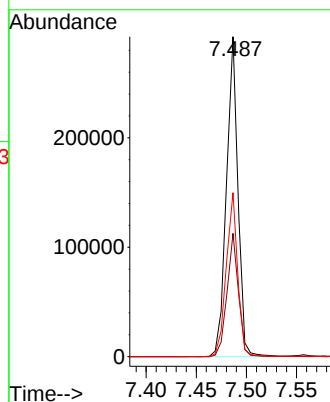
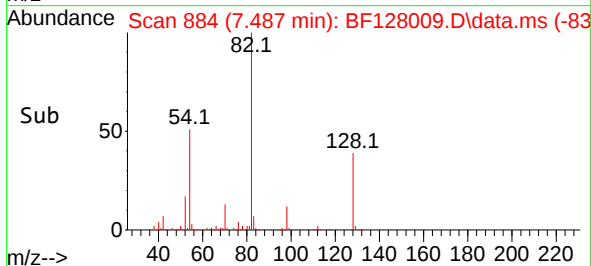


Tgt Ion: 82 Resp: 232902
Ion Ratio Lower Upper
82 100
128 38.6 30.0 45.0
54 51.2 41.3 61.9

Manual Integrations

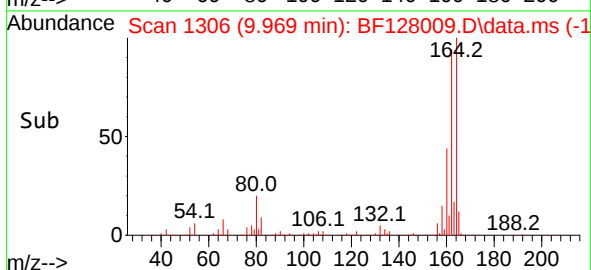
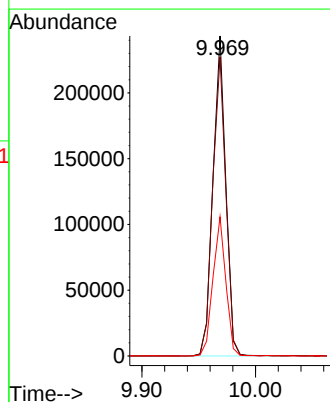
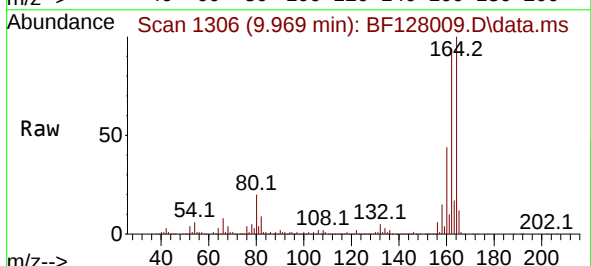
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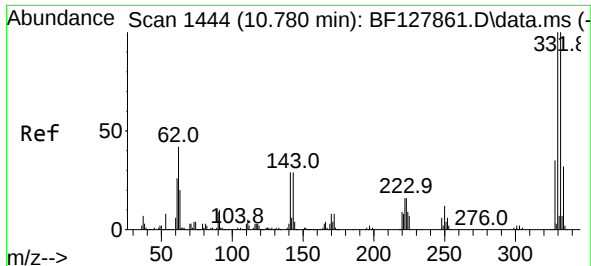
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:164 Resp: 190318
Ion Ratio Lower Upper
164 100
162 93.5 76.0 114.0
160 43.5 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 38.758 ng
RT: 10.757 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

ClientSampleId :

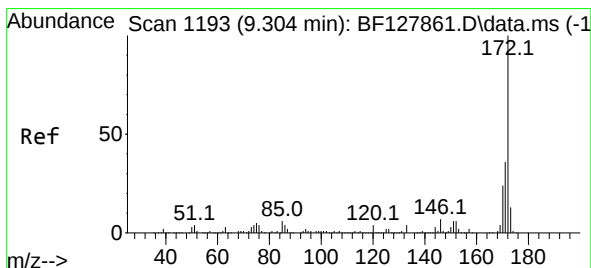
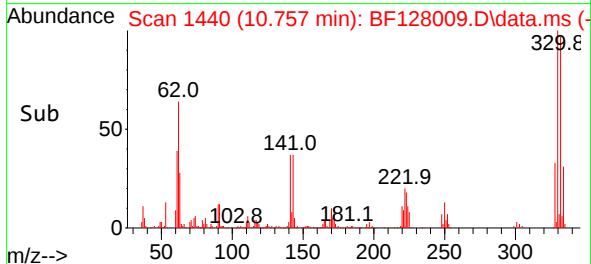
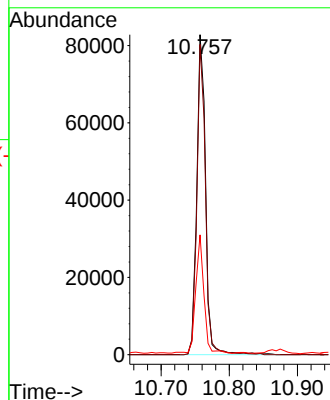
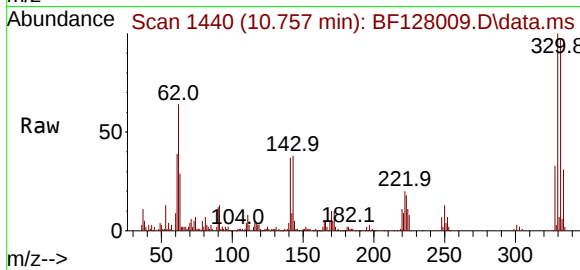
NB-07-042822

Tgt Ion: 330 Resp: 74250
Ion Ratio Lower Upper
330 100
332 94.3 79.0 118.4
141 34.5 28.9 43.3

Manual Integrations

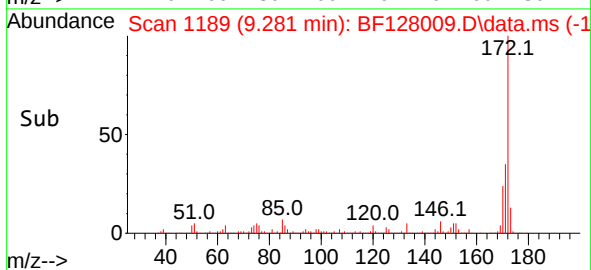
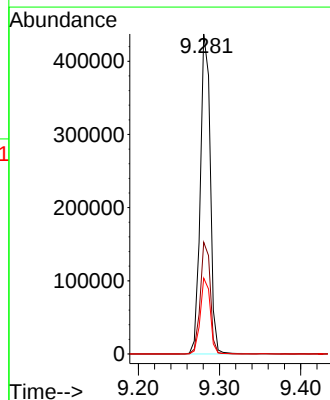
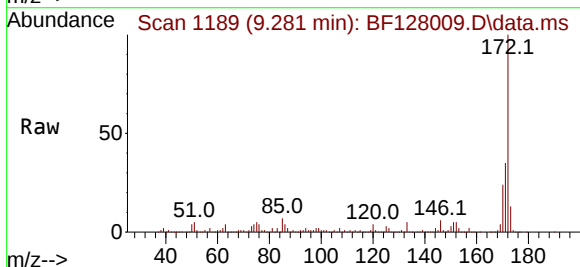
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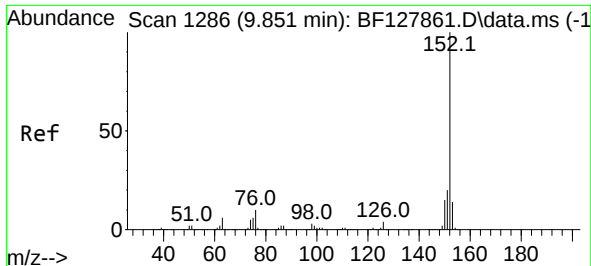
Reviewed By : Christian Giraldo 05/02/2022
Supervised By : Jagrut Upadhyay 05/02/2022



#45
2-Fluorobiphenyl
Concen: 33.357 ng
RT: 9.281 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

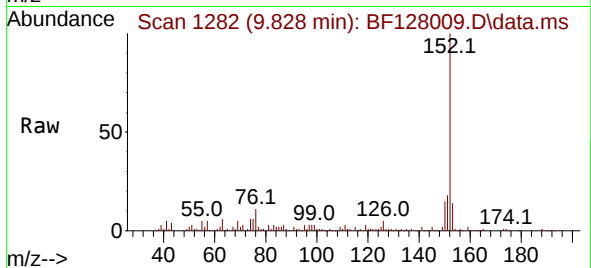
Tgt Ion: 172 Resp: 375263
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.7 19.1 28.7





#49
Acenaphthylene
Concen: 3.387 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

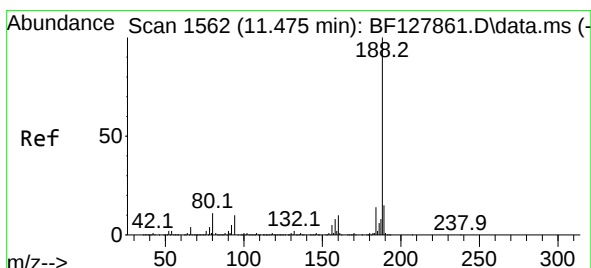
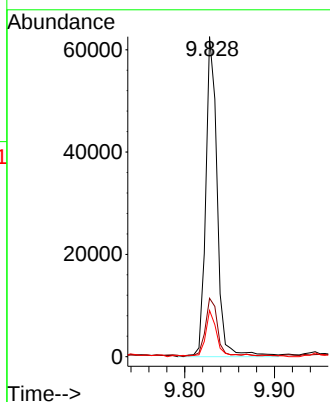
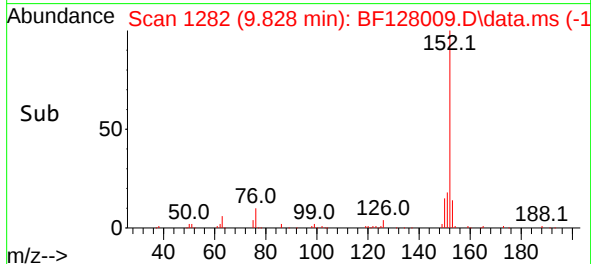
Instrument :
BNA_F
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NB-07-042822



Tgt Ion:152 Resp: 55600
Ion Ratio Lower Upper
152 100
151 18.3 16.2 24.2
153 14.5 11.2 16.8

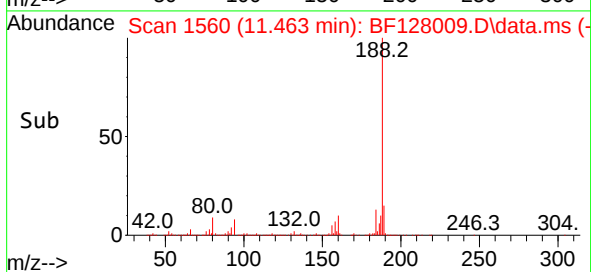
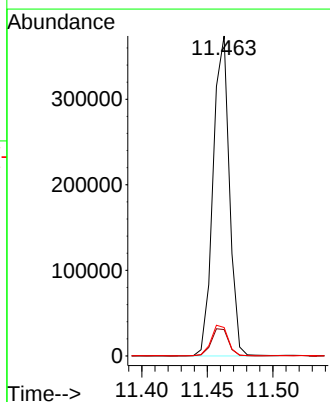
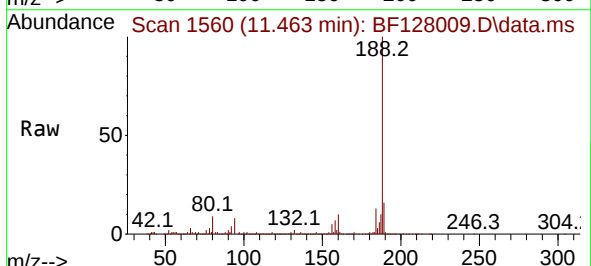
Manual Integrations
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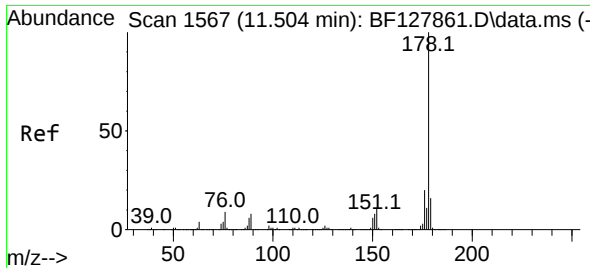
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

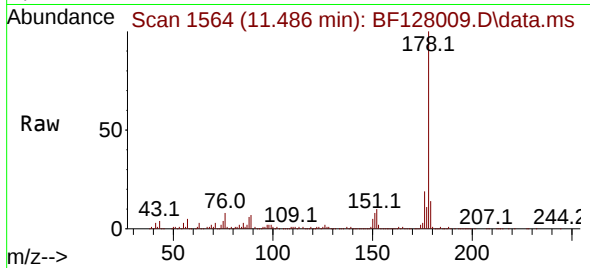
Tgt Ion:188 Resp: 322630
Ion Ratio Lower Upper
188 100
94 8.3 8.0 12.0
80 8.9 8.9 13.3





#71
Phenanthrene
Concen: 6.562 ng
RT: 11.486 min Scan# 110814
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

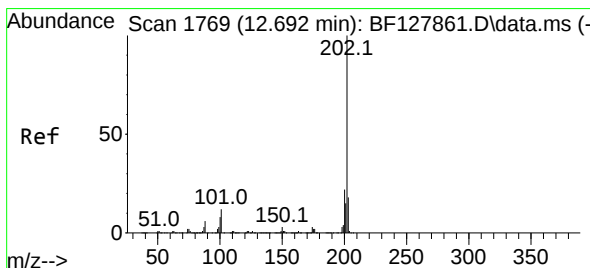
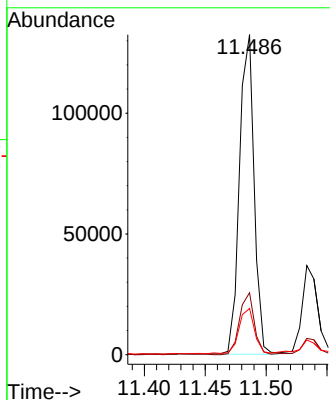
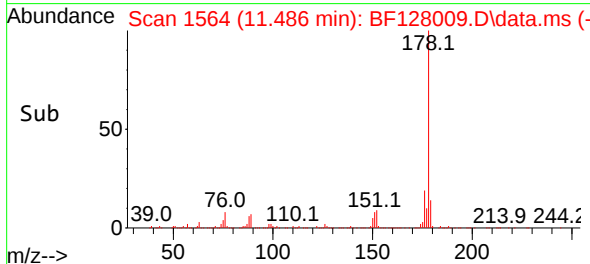
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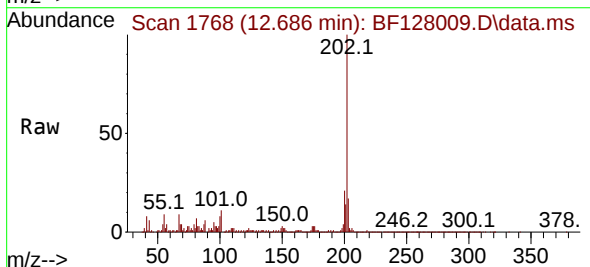
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Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.5 12.6 19.0

Manual Integrations
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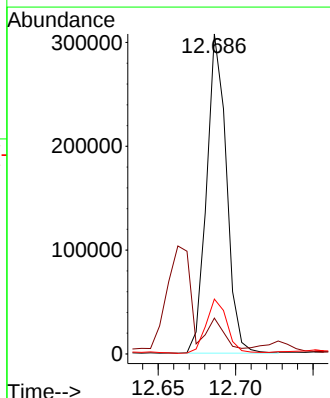
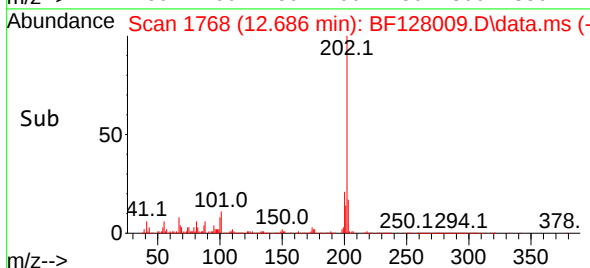
Reviewed By :Christian Giraldo 05/02/2022
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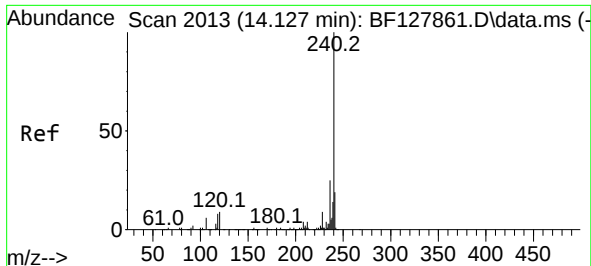


#75
Fluoranthene
Concen: 15.385 ng
RT: 12.686 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01



Tgt Ion:202 Resp: 273450
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.6
203 17.2 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

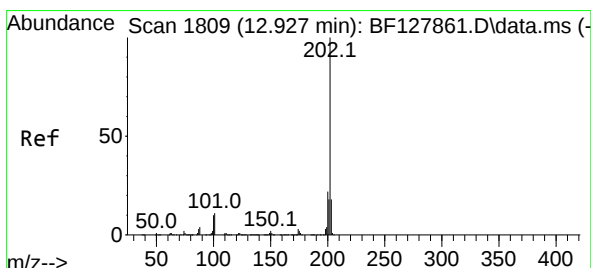
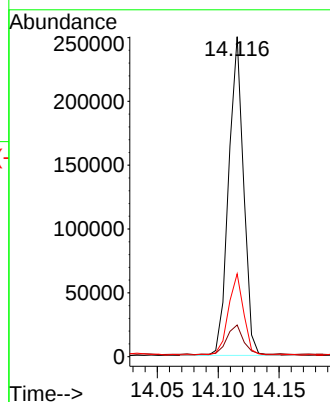
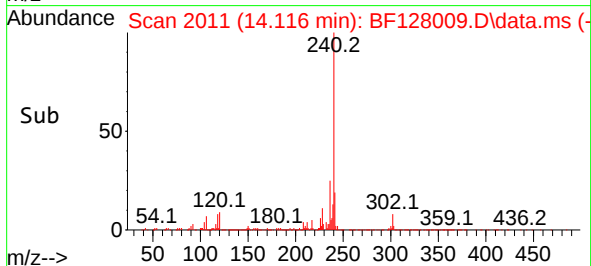
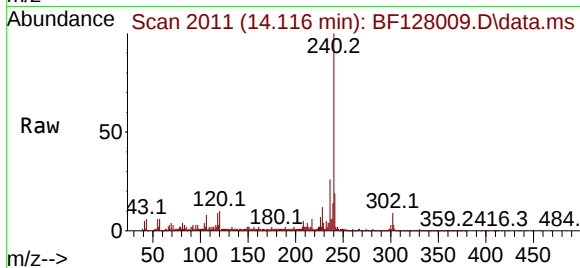
ClientSampleId :

NB-07-042822

Tgt Ion:240 Resp: 21273
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.6
236 25.9 20.3 30.5

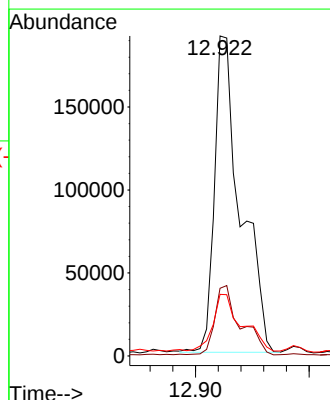
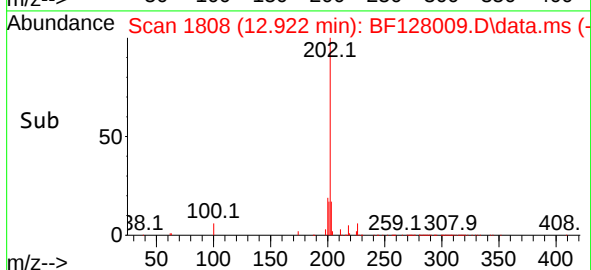
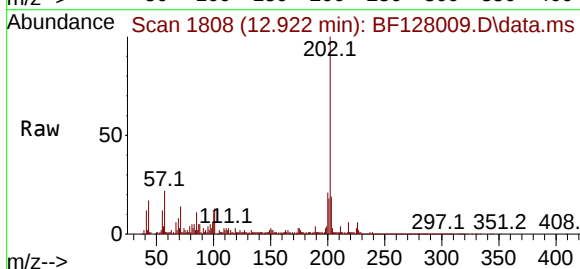
Manual Integrations
APPROVED

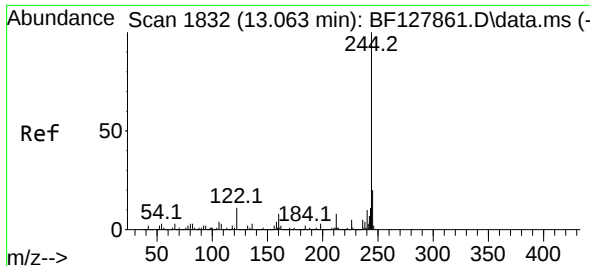
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#78
Pyrene
Concen: 17.811 ng
RT: 12.922 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:202 Resp: 305872
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 19.3 14.0 21.0





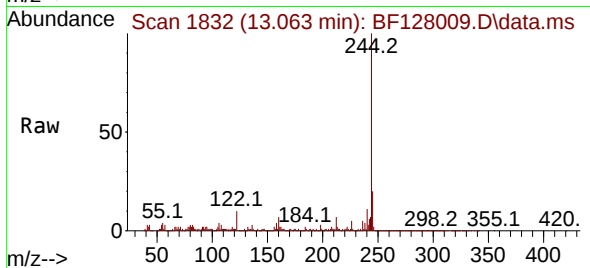
#79
 Terphenyl-d14
 Concen: 29.955 ng
 RT: 13.063 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF128009.D
 Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

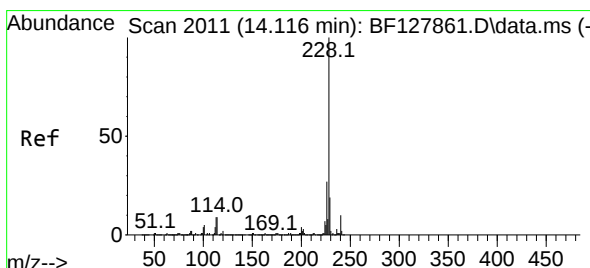
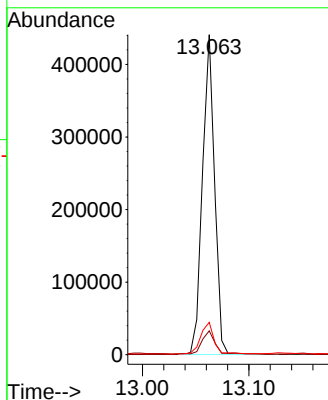
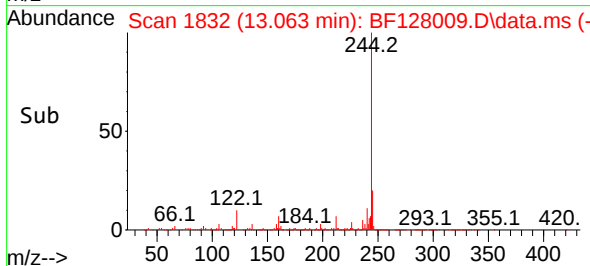


Tgt Ion:244 Resp: 34849
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 10.1 8.6 12.8

Manual Integrations

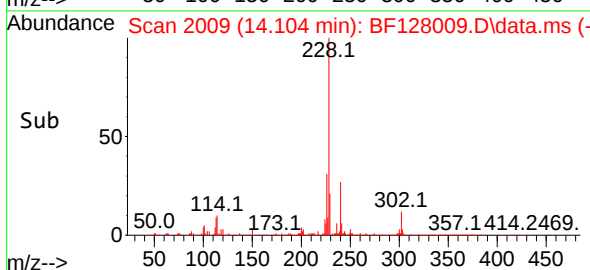
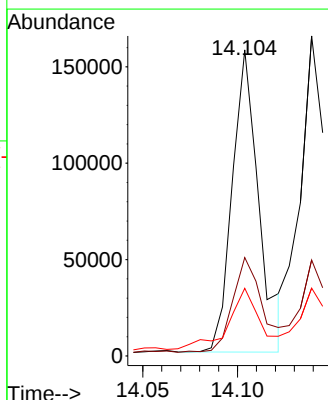
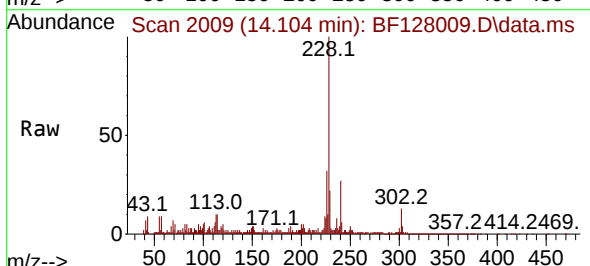
APPROVED

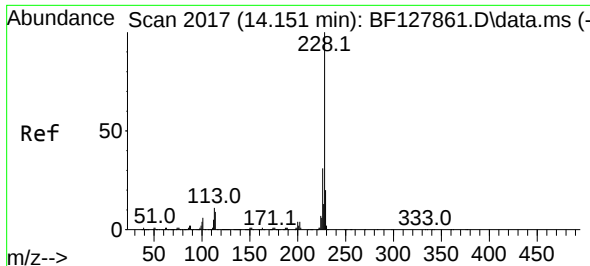
Reviewed By :Christian Giraldo 05/02/2022
 Supervised By :Jagrut Upadhyay 05/02/2022



#81
 Benzo(a)anthracene
 Concen: 10.776 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: BF128009.D
 Acq: 29 Apr 2022 22:01

Tgt Ion:228 Resp: 152790
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.7 32.5
 229 22.1 15.4 23.2





#83
Chrysene
Concen: 11.192 ng
RT: 14.139 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

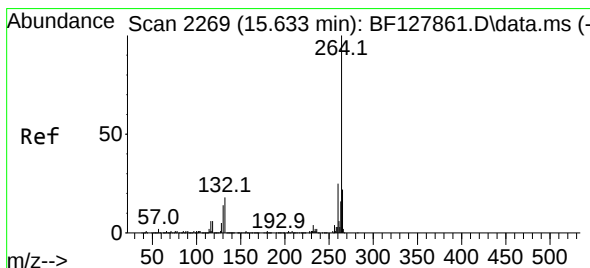
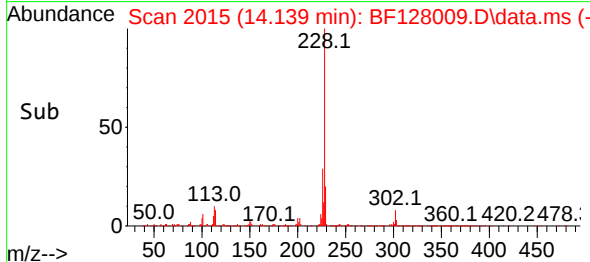
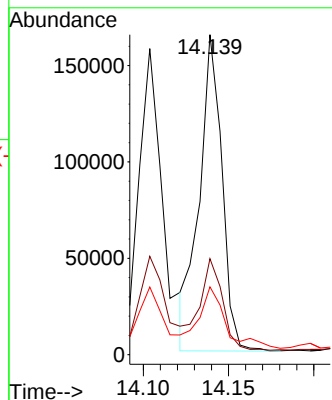
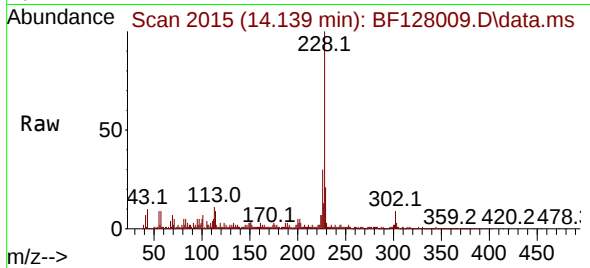
ClientSampleId :

NB-07-042822

Tgt Ion:228 Resp: 15155
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 21.2 15.8 23.8

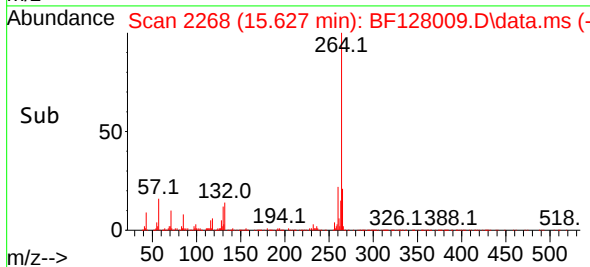
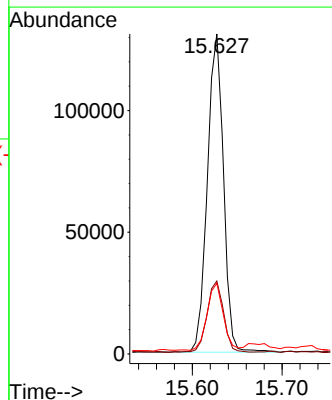
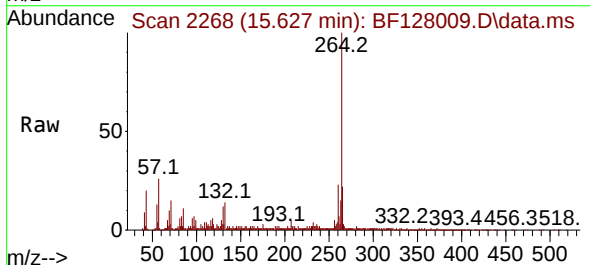
Manual Integrations
APPROVED

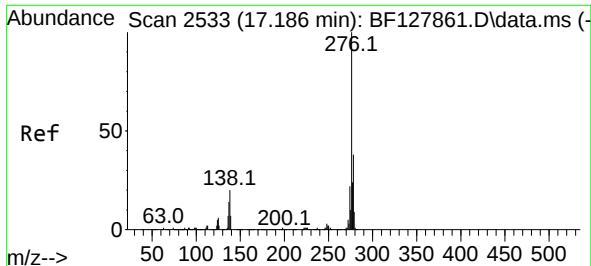
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2268
Delta R.T. 0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:264 Resp: 163034
Ion Ratio Lower Upper
264 100
260 22.8 20.1 30.1
265 22.1 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.005 ng
RT: 17.162 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

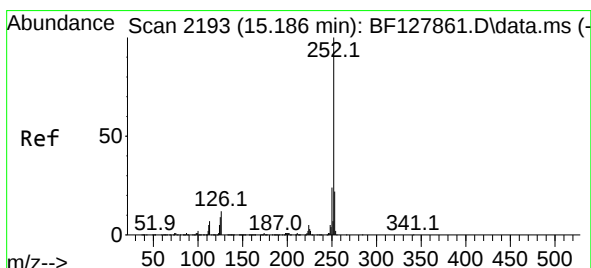
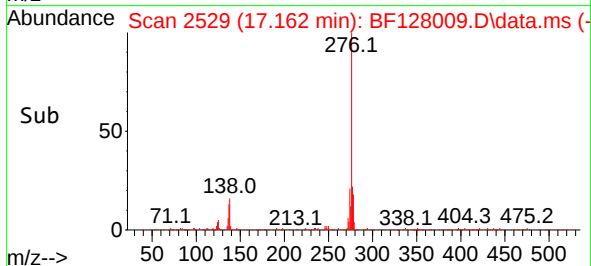
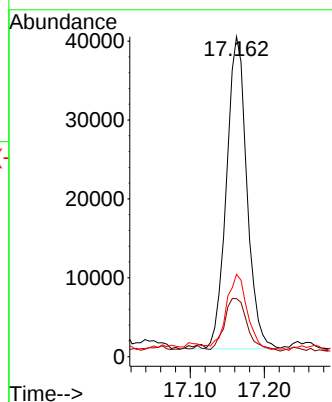
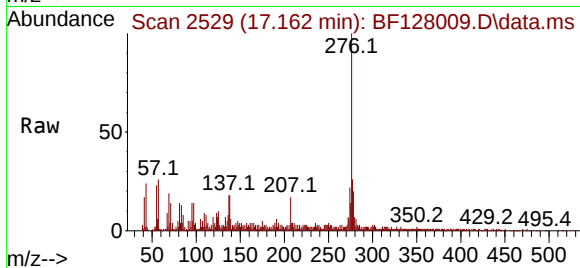
ClientSampleId :

NB-07-042822

Tgt Ion:276 Resp: 76229
Ion Ratio Lower Upper
276 100
138 18.9 19.0 28.4
277 24.0 20.1 30.1

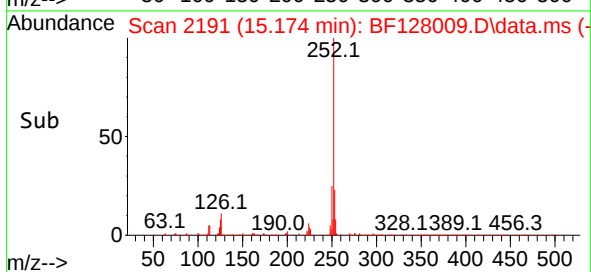
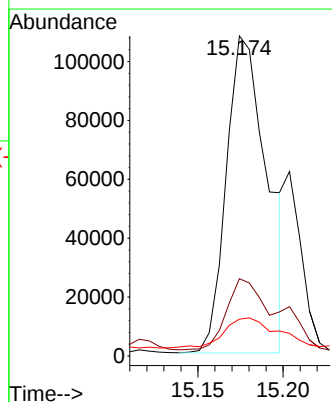
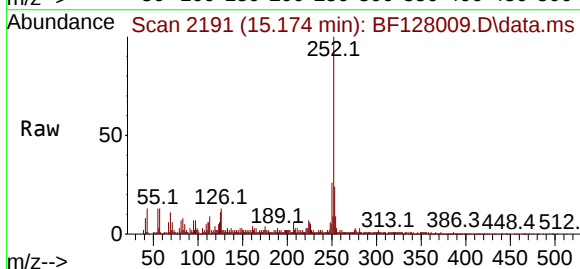
Manual Integrations
APPROVED

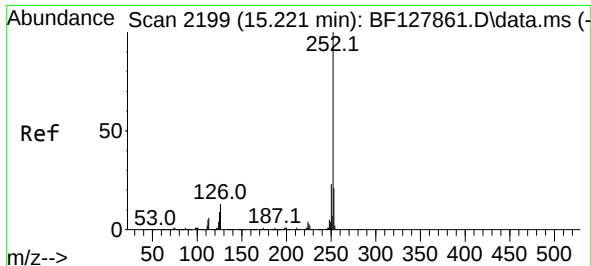
Reviewed By :Christian Giraldo 05/02/2022
Supervised By :Jagrut Upadhyay 05/02/2022



#88
Benzo(b)fluoranthene
Concen: 17.517 ng m
RT: 15.174 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BF128009.D
Acq: 29 Apr 2022 22:01

Tgt Ion:252 Resp: 179370
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 11.5 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 4.122 ng m

RT: 15.204 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF128009.D

Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

Tgt Ion:252 Resp: 42528

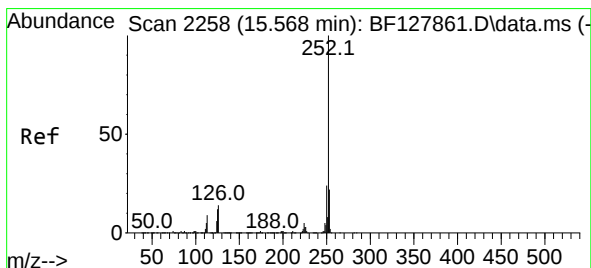
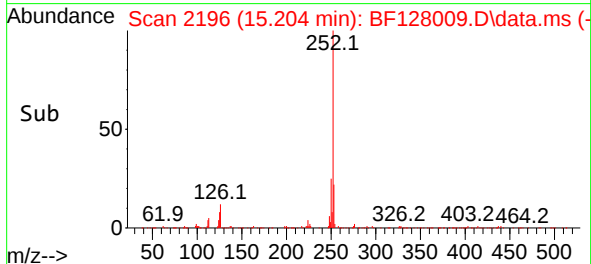
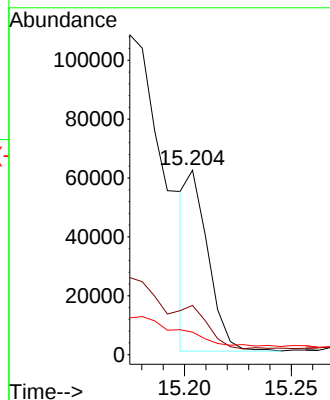
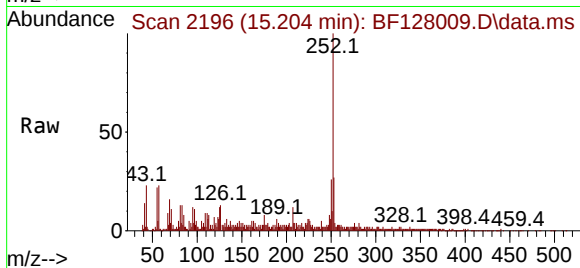
Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.4
125	12.3	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/02/2022

Supervised By :Jagrut Upadhyay 05/02/2022



#90

Benzo(a)pyrene

Concen: 13.875 ng

RT: 15.563 min Scan# 2257

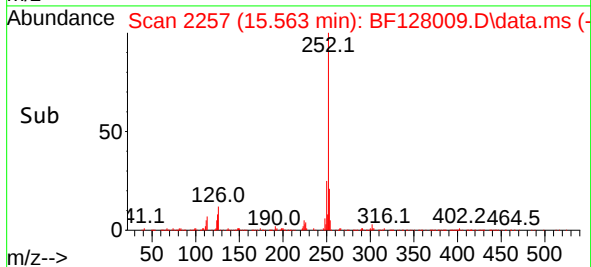
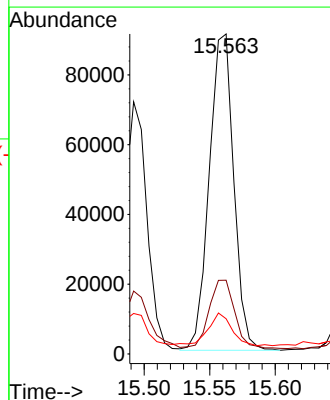
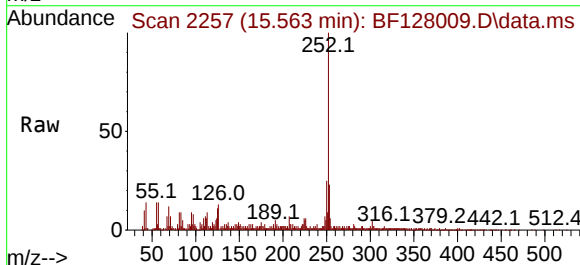
Delta R.T. 0.006 min

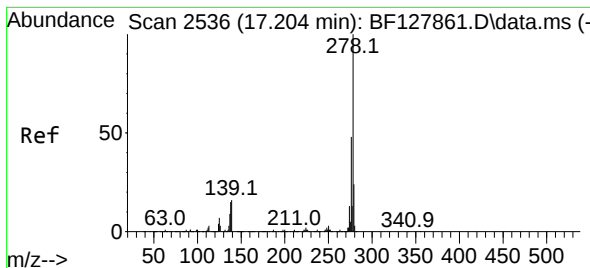
Lab File: BF128009.D

Acq: 29 Apr 2022 22:01

Tgt Ion:252 Resp: 117857

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	11.0	9.2	13.8





#91

Dibenzo(a,h)anthracene

Concen: 2.138 ng

RT: 17.168 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128009.D

Acq: 29 Apr 2022 22:01

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

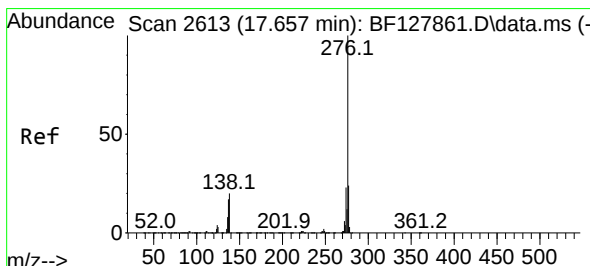
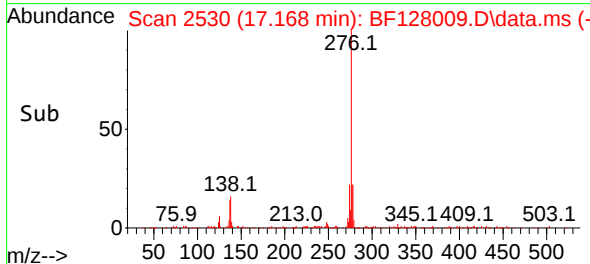
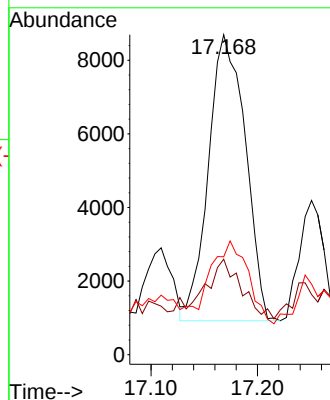
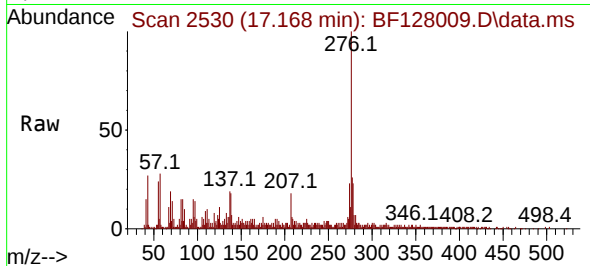
Tgt Ion:	278	Resp:	18650
Ion Ratio	Lower	Upper	
278	100		
139	29.9	12.6	19.0
279	30.6	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/02/2022

Supervised By :Jagrut Upadhyay 05/02/2022



#92

Benzo(g,h,i)perylene

Concen: 8.379 ng

RT: 17.633 min Scan# 2609

Delta R.T. -0.006 min

Lab File: BF128009.D

Acq: 29 Apr 2022 22:01

Tgt Ion:	276	Resp:	77066
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.8	28.2
138	24.0	16.2	24.2

