

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127246.D
 Acq On : 08 Mar 2022 03:45
 Operator : CG\JU
 Sample : N1809-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-030422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2022
 Supervised By : Jagrut Upadhyay 03/08/2022

Quant Time: Mar 08 04:09:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	124631	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	488290	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	229865	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	328599	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	201133	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	198154	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	264597	32.813	ng	0.00
7) Phenol-d6	6.504	99	344282	31.641	ng	-0.01
23) Nitrobenzene-d5	7.440	82	229900	21.252	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	79429	30.012	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	395966	25.359	ng	0.00
79) Terphenyl-d14	12.998	244	271894	19.872	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	30884	2.165	ng	94
58) Fluorene	10.469	166	48913m	3.201	ng	
71) Phenanthrene	11.433	178	323890	17.610	ng	99
72) Anthracene	11.486	178	86599	4.730	ng	97
75) Fluoranthene	12.627	202	301407	17.259	ng	95
78) Pyrene	12.857	202	249929	14.303	ng	97
81) Benzo(a)anthracene	14.051	228	125097	9.226	ng	96
83) Chrysene	14.086	228	108774	8.531	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	47127	3.627	ng	# 82
88) Benzo(b)fluoranthene	15.116	252	143961m	10.817	ng	
89) Benzo(k)fluoranthene	15.139	252	37209m	2.899	ng	
90) Benzo(a)pyrene	15.486	252	97895m	9.417	ng	
92) Benzo(g,h,i)perylene	17.521	276	43942	4.148	ng	# 86

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

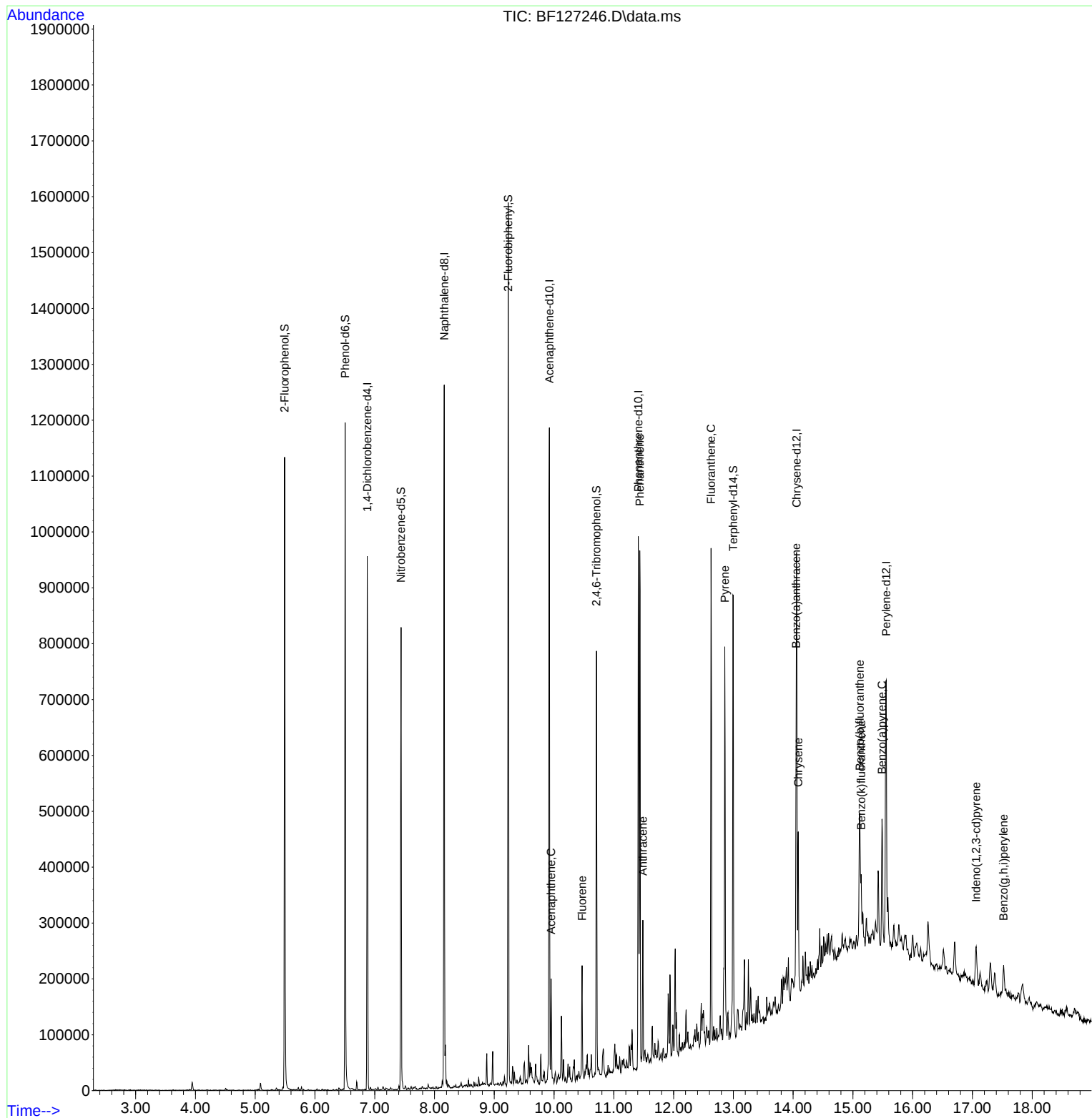
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
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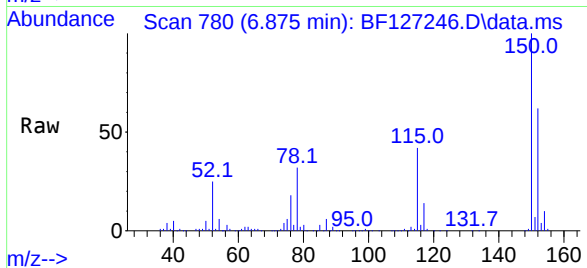
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

OR-02-030422

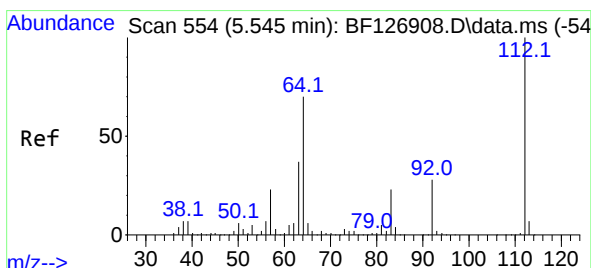
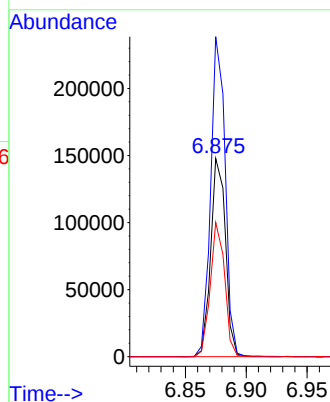
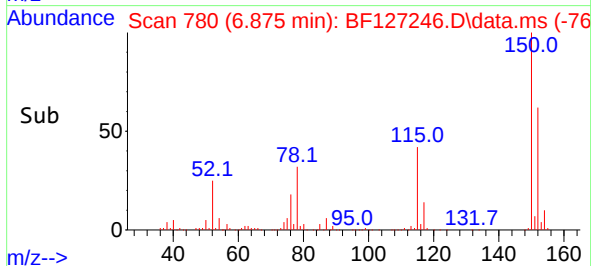


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Ion Ratio Lower Upper
152 100
150 161.4 128.1 192.1
115 67.7 56.7 85.1

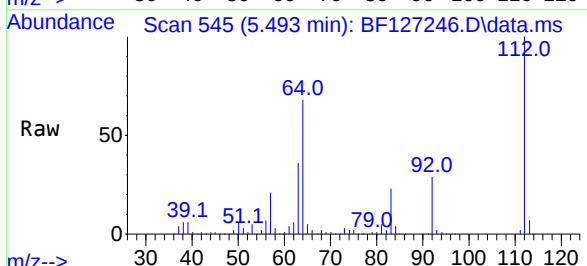
Manual Integrations

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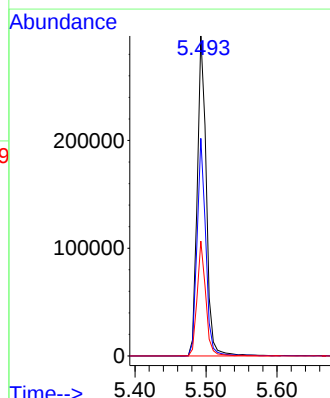
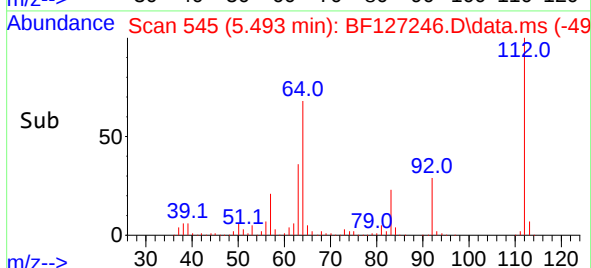
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#5
2-Fluorophenol
Concen: 32.813 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



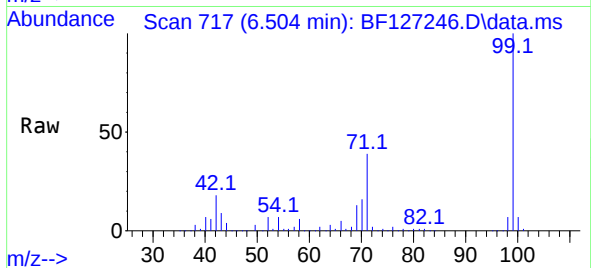
Tgt Ion:112 Resp: 264597
Ion Ratio Lower Upper
112 100
64 68.0 49.5 74.3
63 35.9 23.9 35.9#





#7
Phenol-d6
Concen: 31.641 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

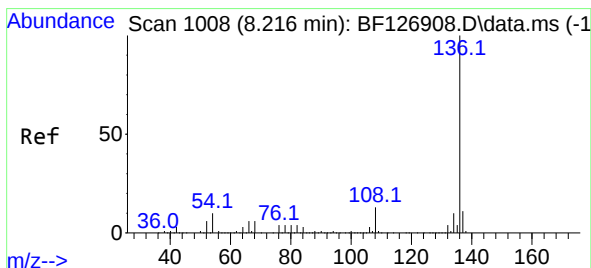
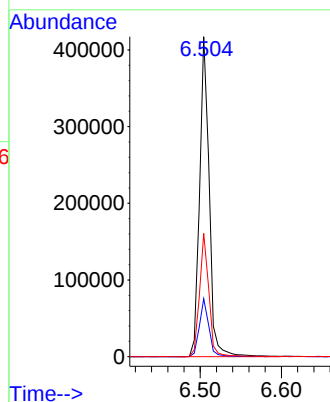
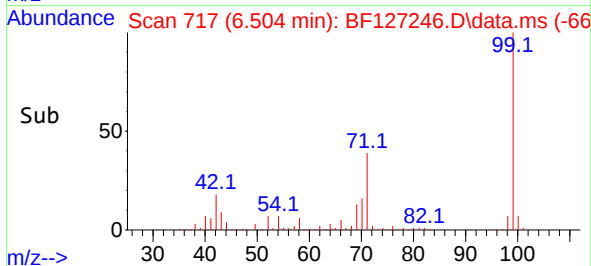
Instrument :
BNA_F
ClientSampleId :
OR-02-030422



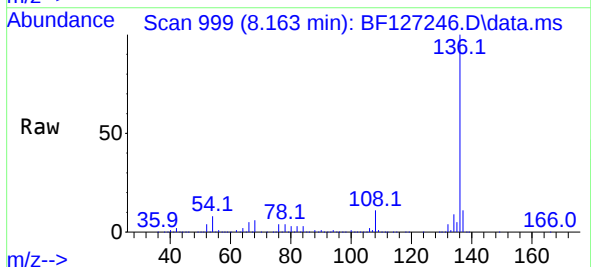
Tgt Ion: 99 Resp: 34428
Ion Ratio Lower Upper
99 100
42 18.1 14.2 21.4
71 38.5 24.3 36.5

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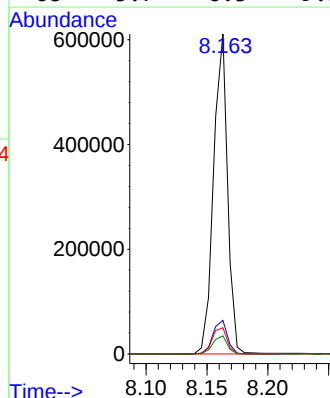
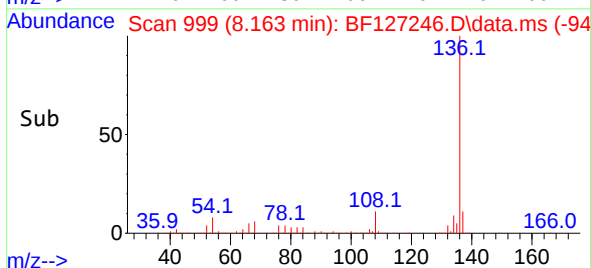
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



Tgt Ion:136 Resp: 488290
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.2 7.8 11.6
68 5.7 6.3 9.5





#23

Nitrobenzene-d5

Concen: 21.252 ng

RT: 7.440 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127246.D

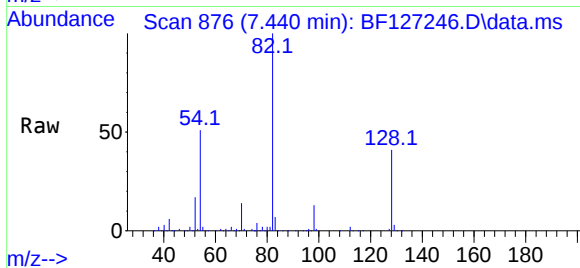
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

OR-02-030422



Tgt Ion: 82 Resp: 229900

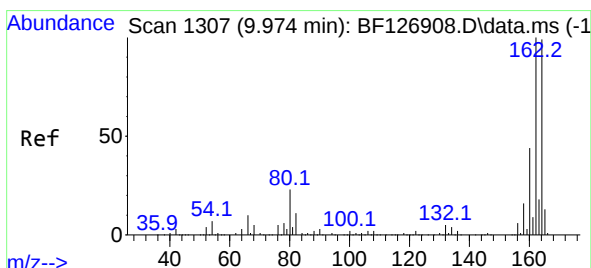
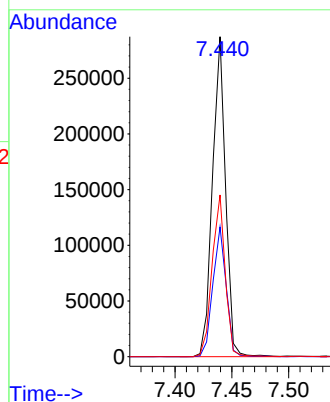
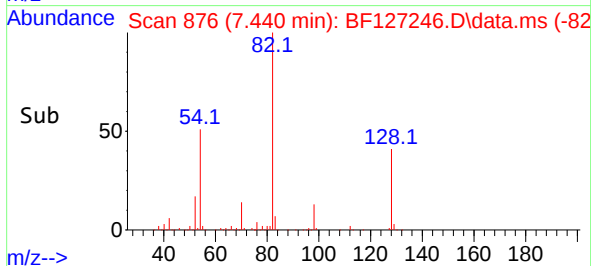
Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.7	49.1
54	50.6	41.7	62.5

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#39

Acenaphthene-d10

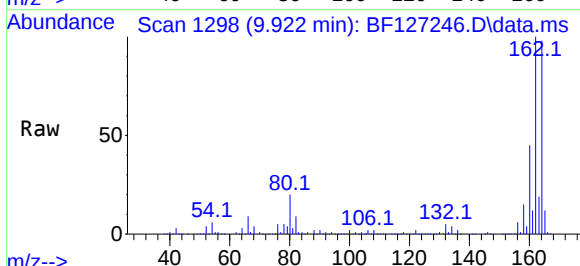
Concen: 20.000 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.000 min

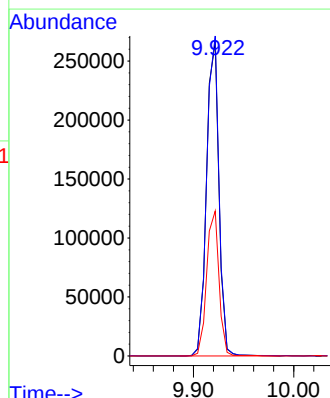
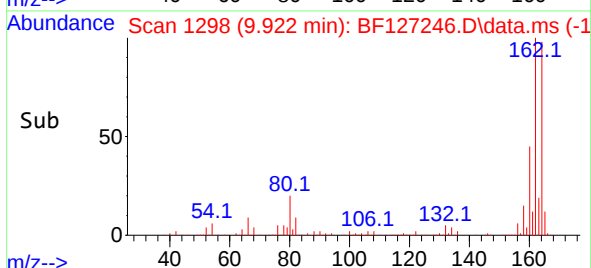
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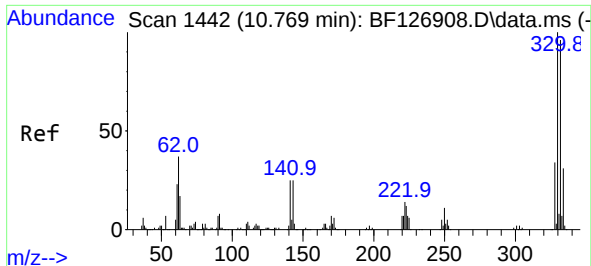
Acq: 08 Mar 2022 03:45



Tgt Ion:164 Resp: 229865

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.0
160	46.2	36.6	54.8





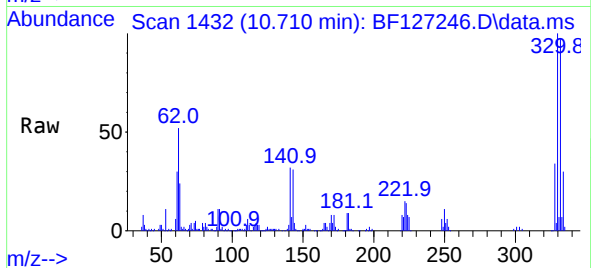
#42
2,4,6-Tribromophenol
Concen: 30.012 ng
RT: 10.710 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

OR-02-030422

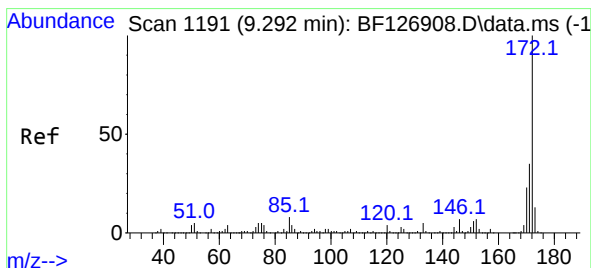
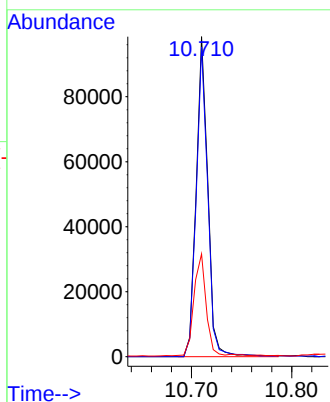
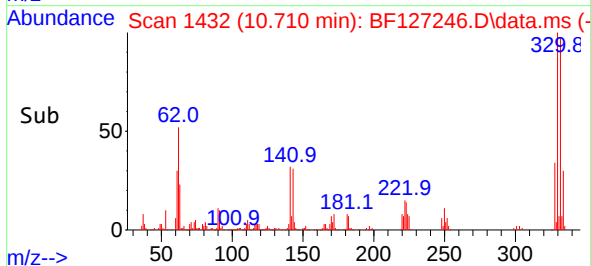


Tgt Ion:330 Resp: 79429
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 34.4 30.1 45.1

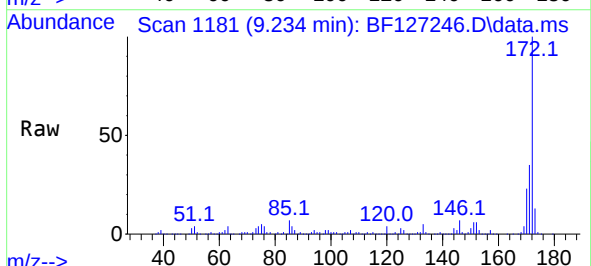
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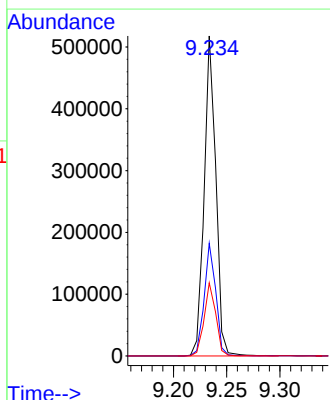
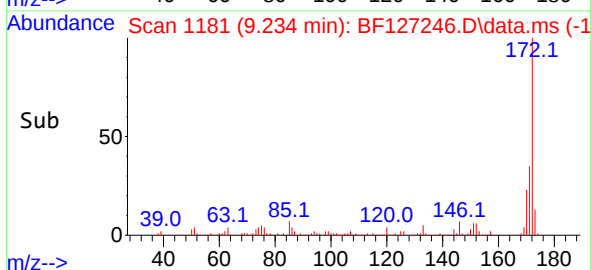
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

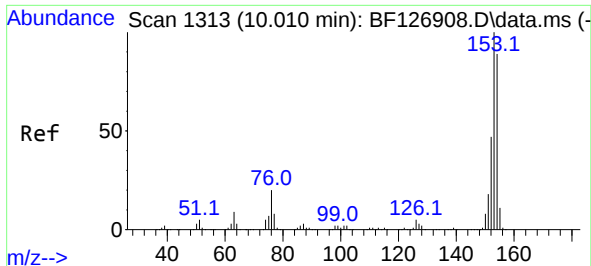


#45
2-Fluorobiphenyl
Concen: 25.359 ng
RT: 9.234 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



Tgt Ion:172 Resp: 395966
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 22.8 19.0 28.6





#52
Acenaphthene
Concen: 2.165 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

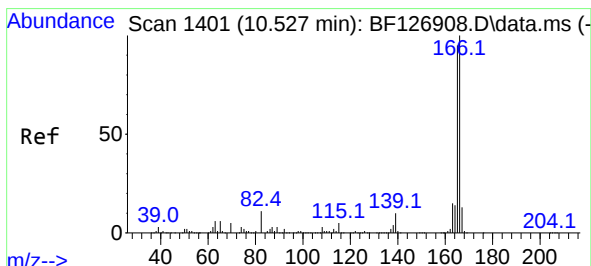
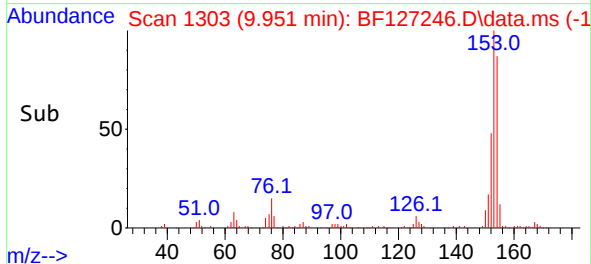
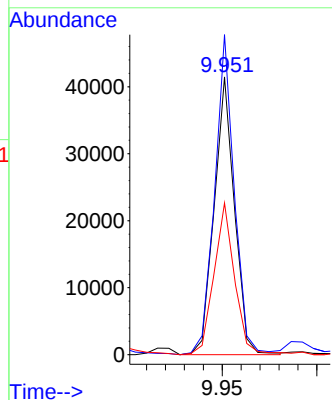
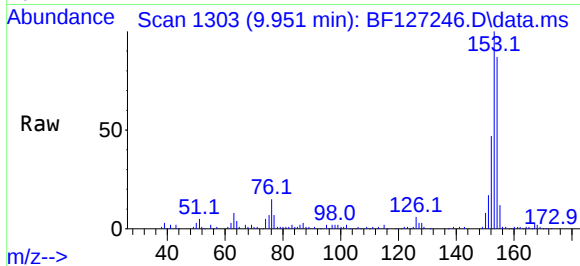
OR-02-030422

Tgt Ion:154 Resp: 30884
Ion Ratio Lower Upper
154 100
153 115.2 87.8 131.6
152 54.6 39.4 59.2

Manual Integrations

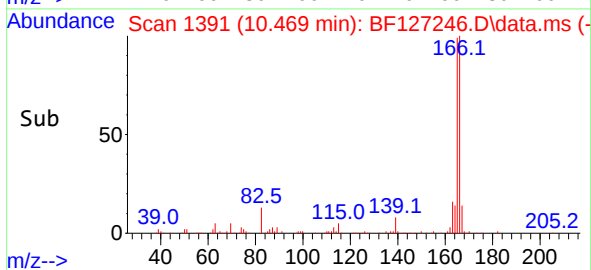
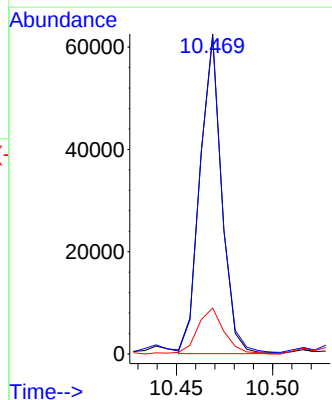
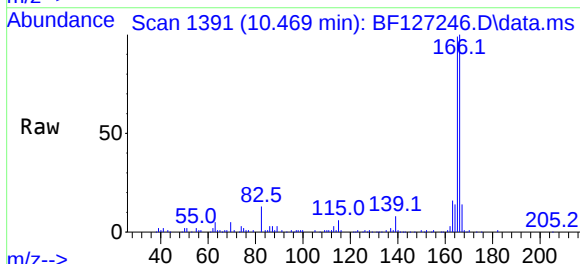
APPROVED

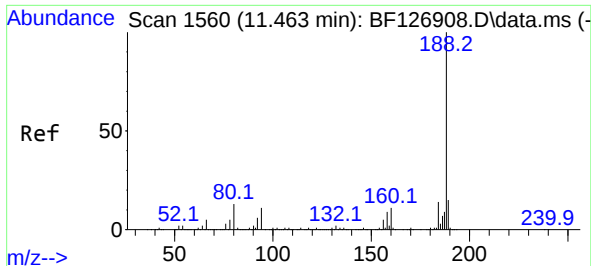
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#58
Fluorene
Concen: 3.201 ng m
RT: 10.469 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

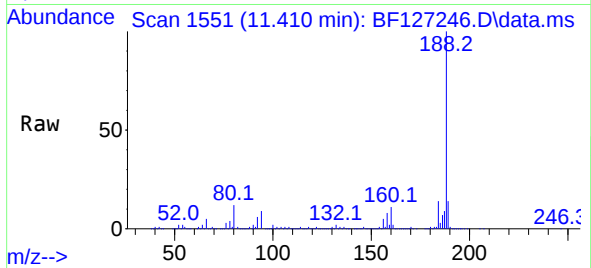
Tgt Ion:166 Resp: 48913
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 14.4 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

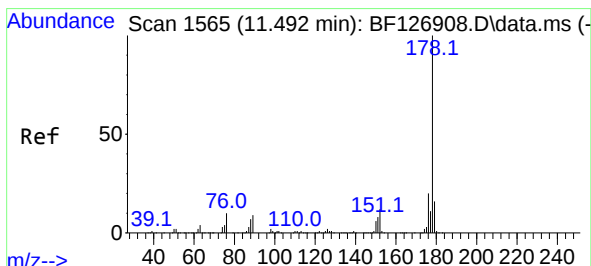
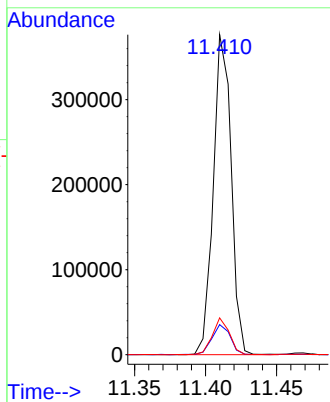
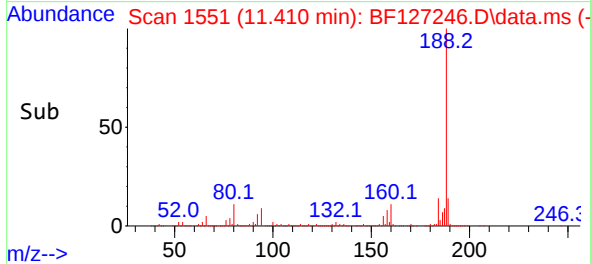
Instrument :
BNA_F
ClientSampleId :
OR-02-030422



Tgt Ion:188 Resp: 328599
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1
80 11.5 11.8 17.6

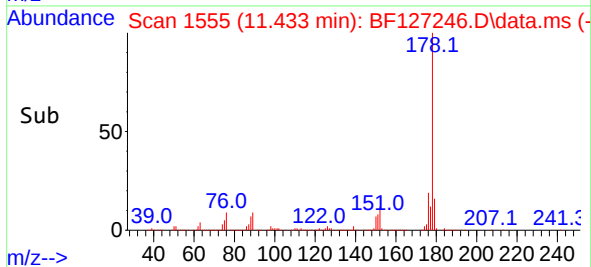
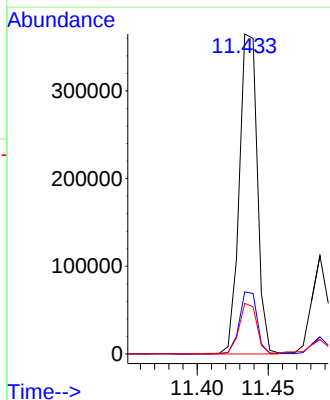
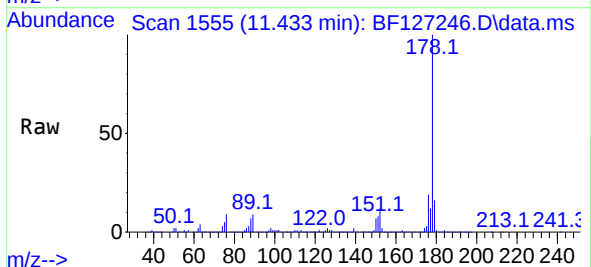
Manual Integrations
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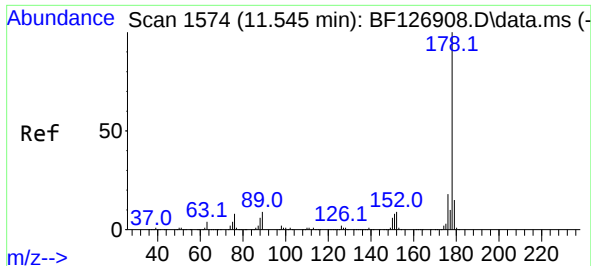
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#71
Phenanthrene
Concen: 17.610 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Tgt Ion:178 Resp: 323890
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.8 12.3 18.5





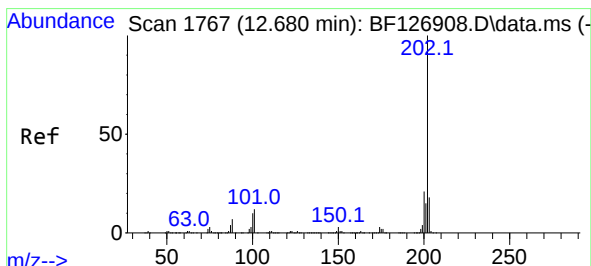
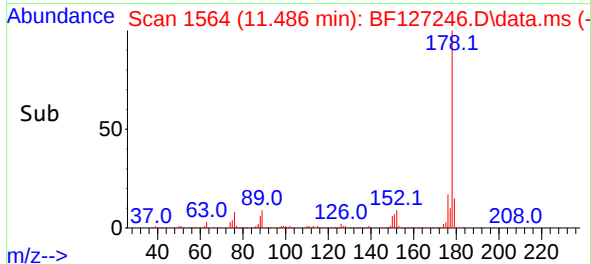
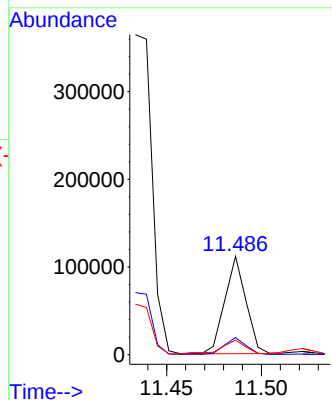
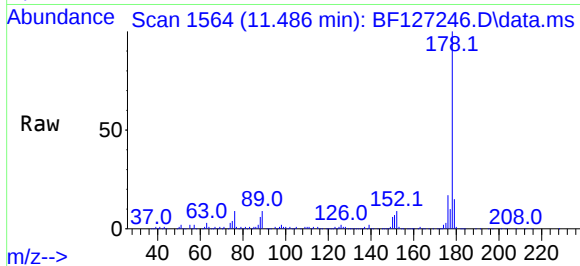
#72
 Anthracene
 Concen: 4.730 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127246.D
 Acq: 08 Mar 2022 03:45

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-030422

Tgt Ion:178 Resp: 86599
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.0 22.6
 179 14.8 12.5 18.7

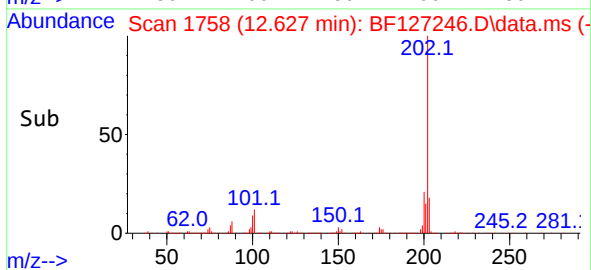
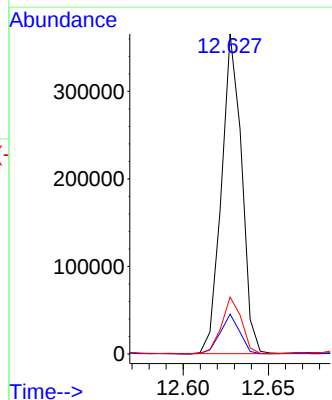
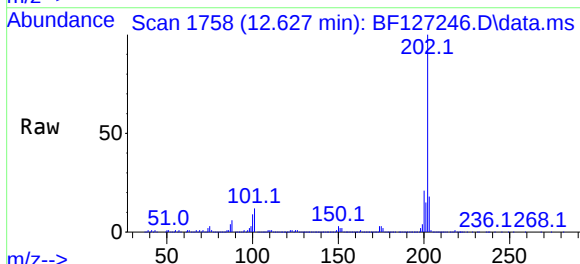
Manual Integrations
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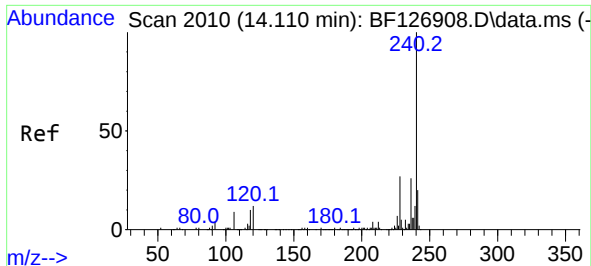
Reviewed By :Christian Giraldo 03/08/2022
 Supervised By :Jagrut Upadhyay 03/08/2022



#75
 Fluoranthene
 Concen: 17.259 ng
 RT: 12.627 min Scan# 1758
 Delta R.T. -0.006 min
 Lab File: BF127246.D
 Acq: 08 Mar 2022 03:45

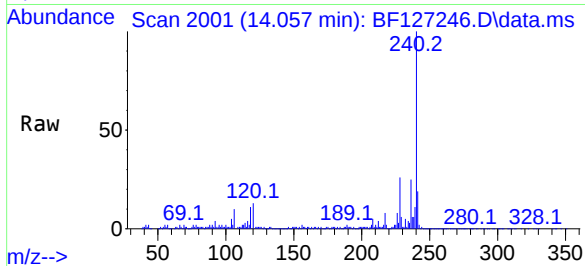
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 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 35.7
 203 17.8 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20113
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

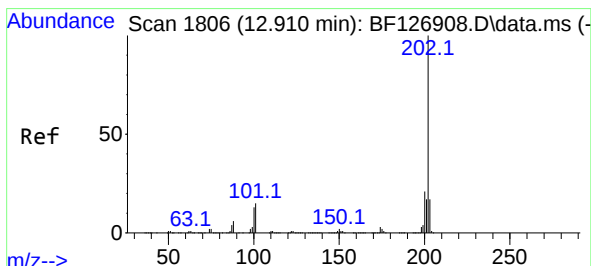
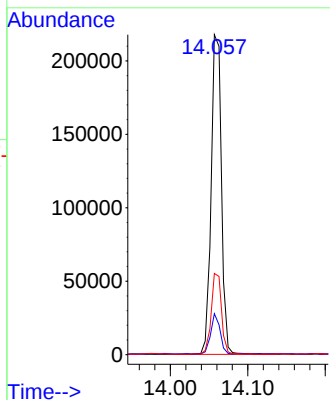
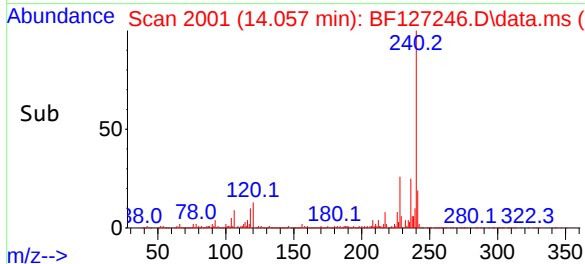
Instrument :
BNA_F
ClientSampleId :
OR-02-030422



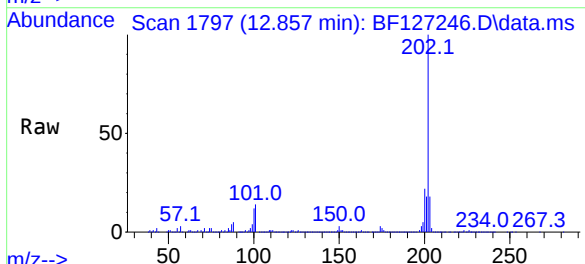
Tgt Ion:240 Resp: 20113
Ion Ratio Lower Upper
240 100
120 12.8 14.4 21.6
236 25.4 20.5 30.7

Manual Integrations
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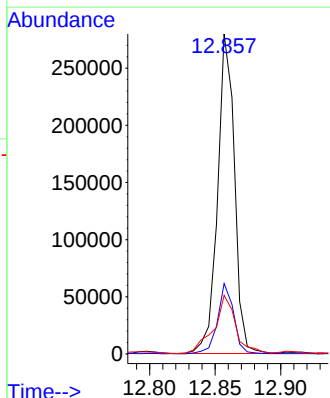
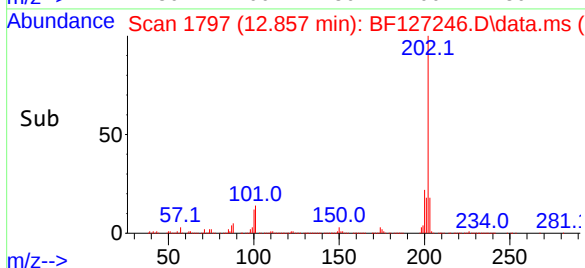
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

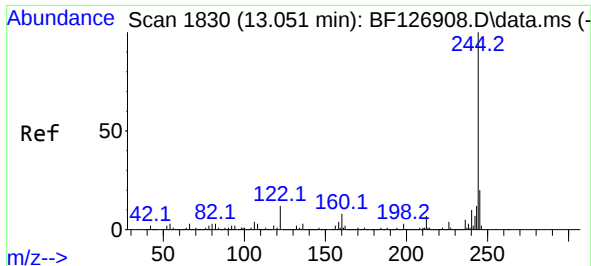


#78
Pyrene
Concen: 14.303 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



Tgt Ion:202 Resp: 249929
Ion Ratio Lower Upper
202 100
200 22.0 16.6 24.8
203 18.3 13.8 20.8





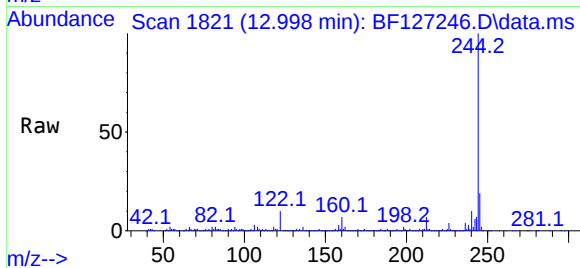
#79
Terphenyl-d14
Concen: 19.872 ng
RT: 12.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

ClientSampleId :

OR-02-030422

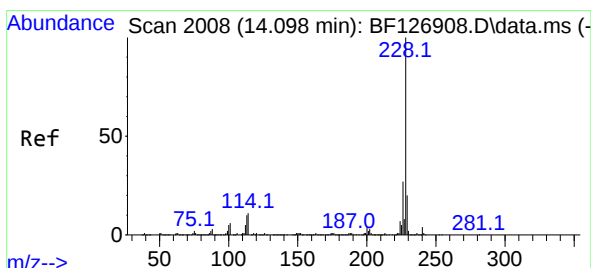
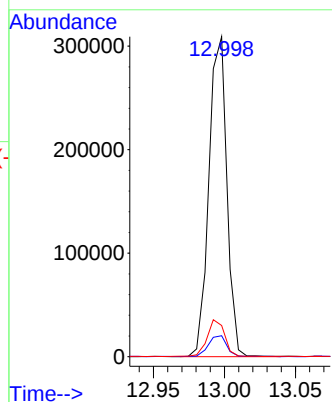
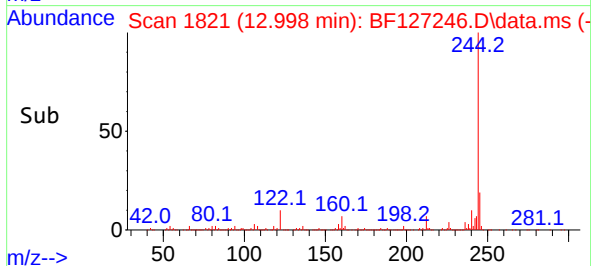


Tgt Ion:244 Resp: 271894
Ion Ratio Lower Upper
244 100
212 6.6 5.0 7.4
122 9.8 13.3 19.9

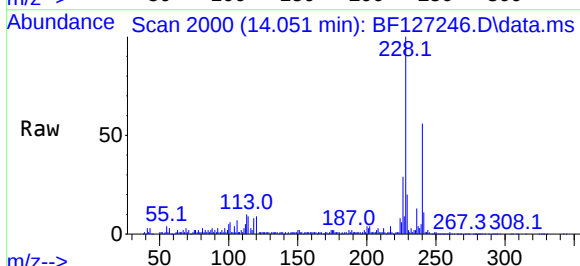
Manual Integrations

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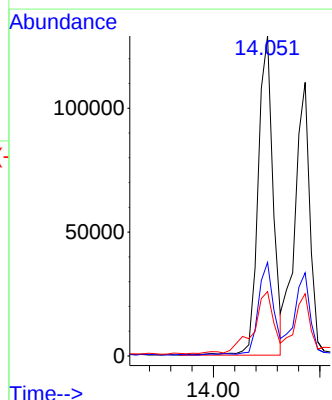
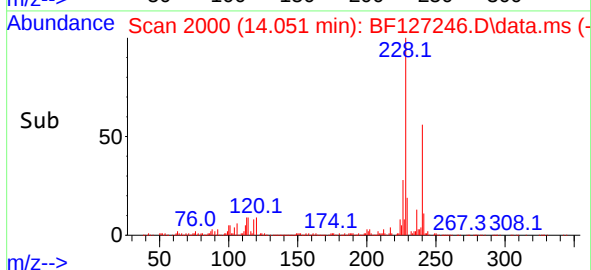
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

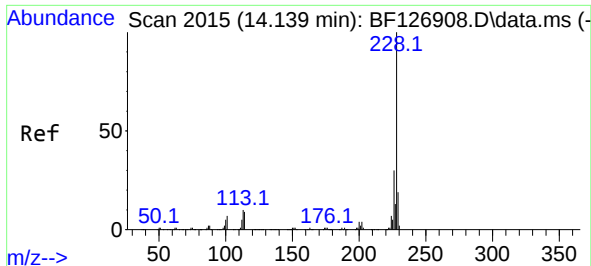


#81
Benzo(a)anthracene
Concen: 9.226 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



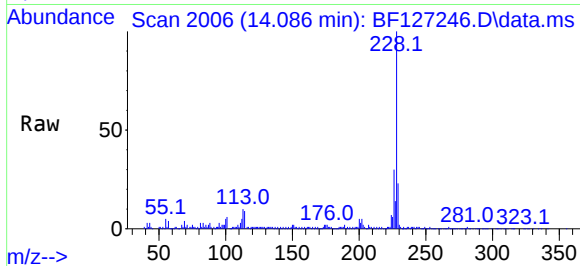
Tgt Ion:228 Resp: 125097
Ion Ratio Lower Upper
228 100
226 29.2 21.4 32.0
229 20.1 15.4 23.2





#83
Chrysene
Concen: 8.531 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

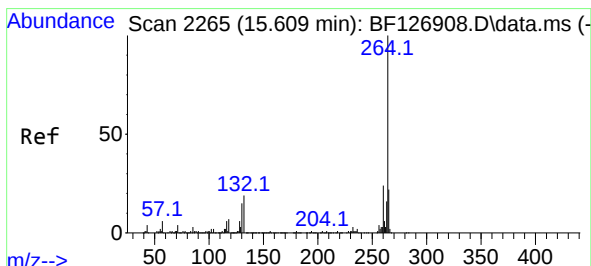
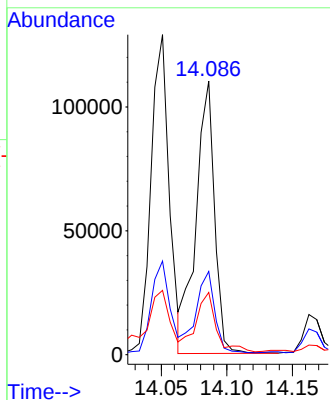
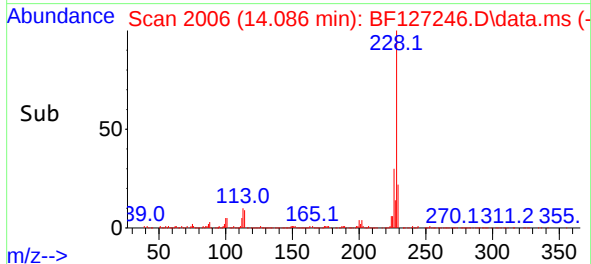
Instrument :
BNA_F
ClientSampleId :
OR-02-030422



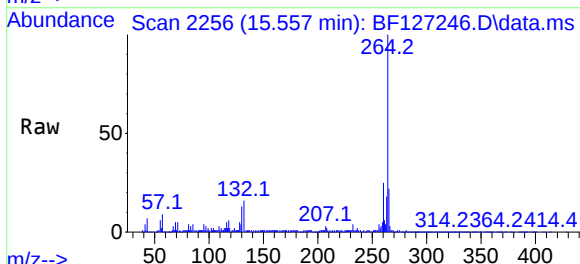
Tgt Ion:228 Resp: 108774
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 22.8 15.5 23.3

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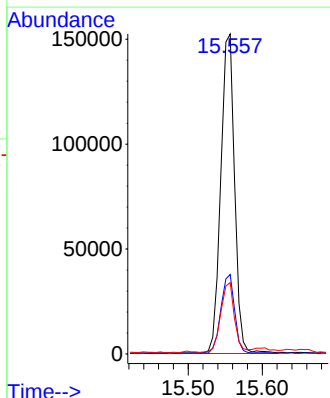
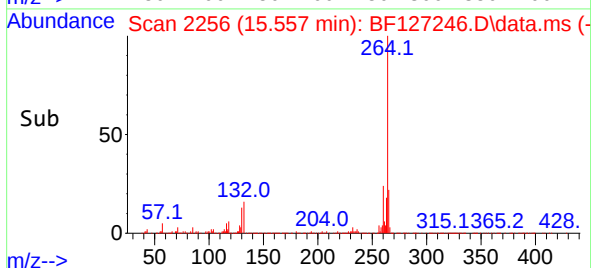
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

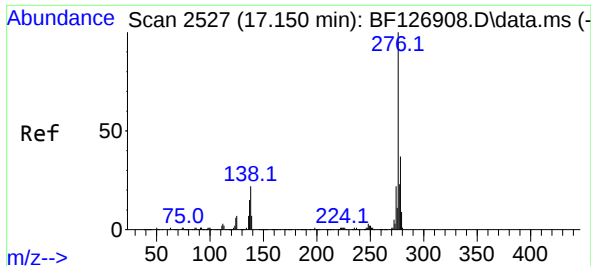


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.012 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



Tgt Ion:264 Resp: 198154
Ion Ratio Lower Upper
264 100
260 24.9 19.2 28.8
265 22.3 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.627 ng
RT: 17.062 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :

BNA_F

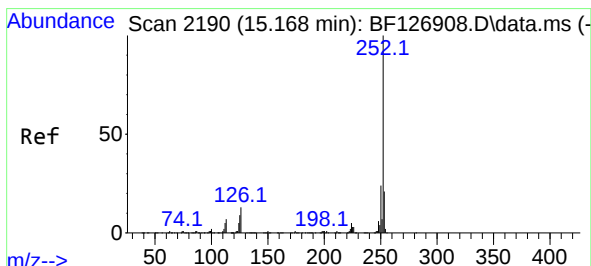
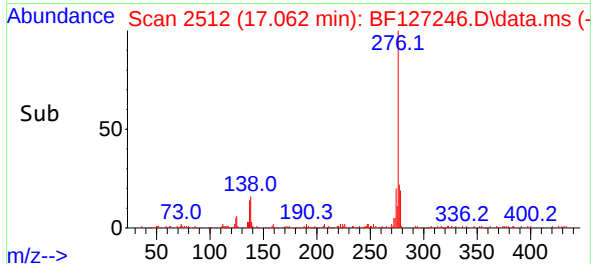
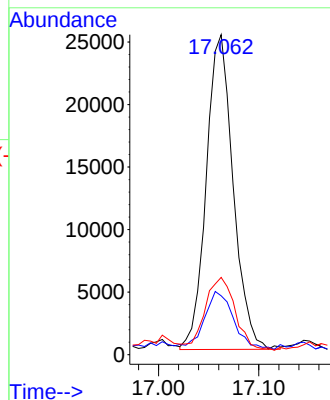
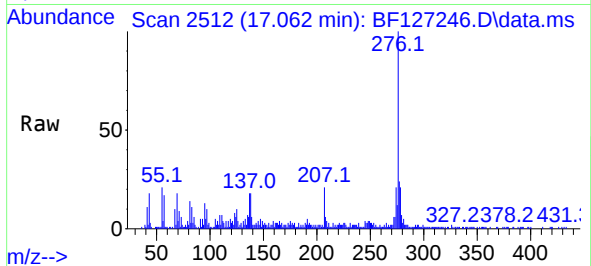
ClientSampleId :

OR-02-030422

Tgt Ion:276 Resp: 4712
Ion Ratio Lower Upper
276 100
138 20.1 29.2 43.8
277 26.1 19.8 29.8

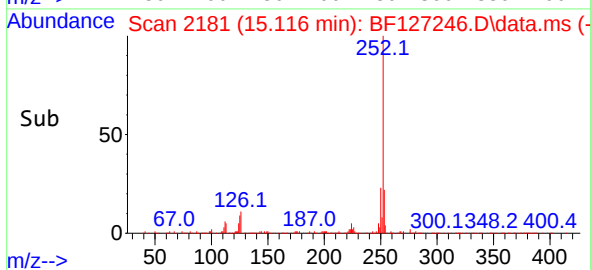
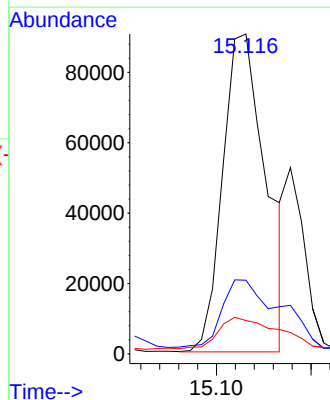
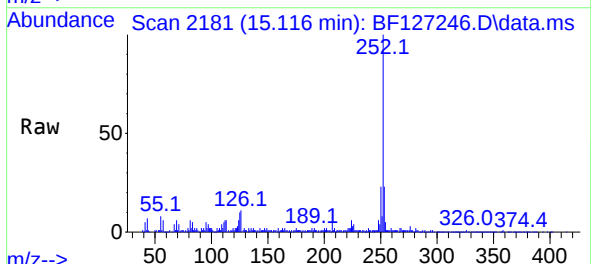
Manual Integrations
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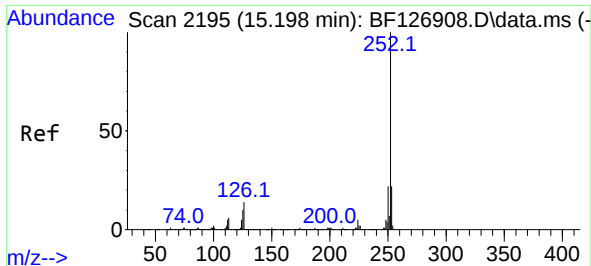
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#88
Benzo(b)fluoranthene
Concen: 10.817 ng m
RT: 15.116 min Scan# 2181
Delta R.T. 0.006 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

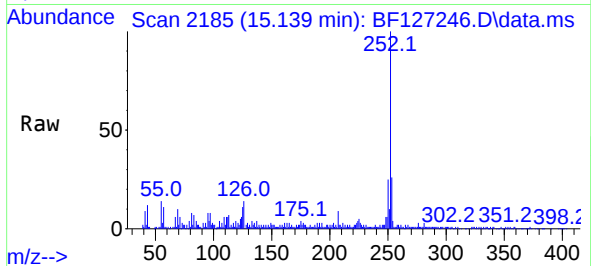
Tgt Ion:252 Resp: 143961
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.4 12.4 18.6#





#89
Benzo(k)fluoranthene
Concen: 2.899 ng m
RT: 15.139 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

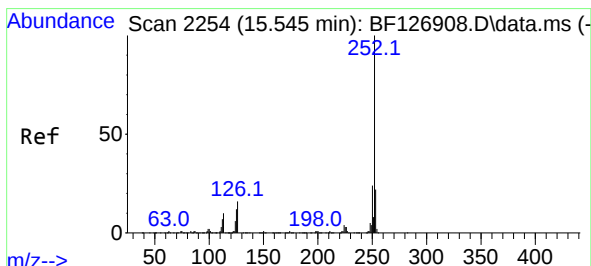
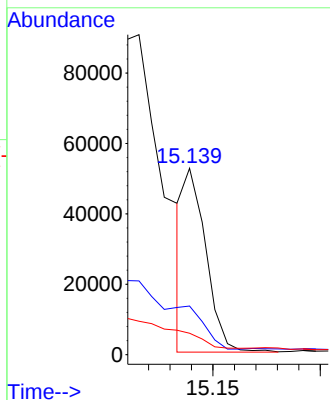
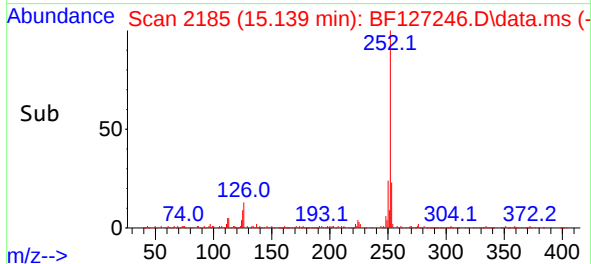
Instrument :
BNA_F
ClientSampleId :
OR-02-030422



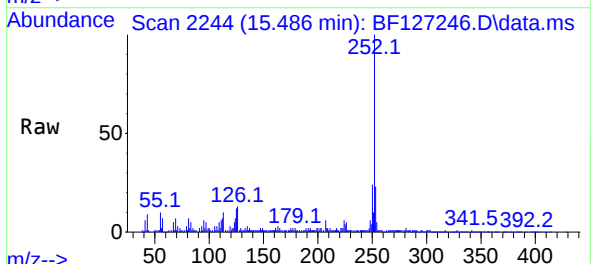
Tgt Ion:252 Resp: 37209
Ion Ratio Lower Upper
252 100
253 26.1 17.5 26.3
125 11.5 11.8 17.6

Manual Integrations
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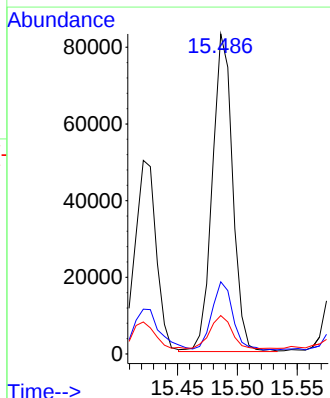
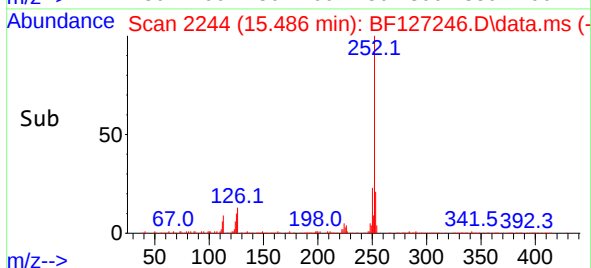
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

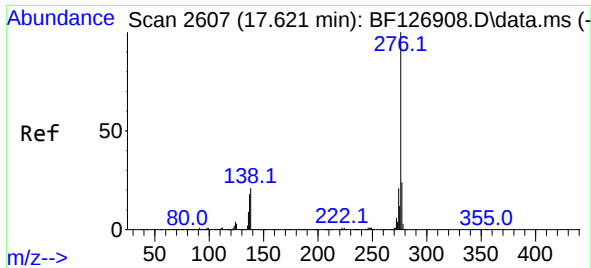


#90
Benzo(a)pyrene
Concen: 9.417 ng m
RT: 15.486 min Scan# 2244
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45



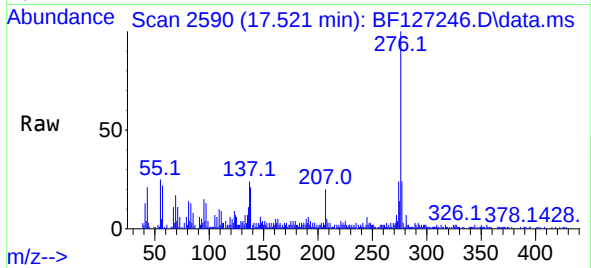
Tgt Ion:252 Resp: 97895
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 12.0 13.0 19.6





#92
Benzo(g,h,i)perylene
Concen: 4.148 ng
RT: 17.521 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127246.D
Acq: 08 Mar 2022 03:45

Instrument :
BNA_F
ClientSampleId :
OR-02-030422



Tgt Ion:276 Resp: 4394
Ion Ratio Lower Upper
276 100
277 24.4 18.5 27.7
138 20.5 25.9 38.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

