

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127244.D
 Acq On : 08 Mar 2022 02:47
 Operator : CG\JU
 Sample : N1806-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-23

Quant Time: Mar 08 03:30:32 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	88113	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	359748	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	172643	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268413	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	150819	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	171633	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	626612	109.913	ng	0.00
7) Phenol-d6	6.510	99	816311	106.116	ng	0.00
23) Nitrobenzene-d5	7.445	82	561826	70.492	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	221593	111.479	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	912150	77.781	ng	0.00
79) Terphenyl-d14	12.998	244	645125	62.881	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	290436	19.332	ng	99
72) Anthracene	11.486	178	61594	4.118	ng	98
75) Fluoranthene	12.627	202	392164	27.491	ng	96
78) Pyrene	12.857	202	299143	22.830	ng	98
81) Benzo(a)anthracene	14.045	228	142732	14.038	ng	99
83) Chrysene	14.086	228	119215	12.468	ng	96
87) Indeno(1,2,3-cd)pyrene	17.051	276	69342	6.161	ng	# 85
88) Benzo(b)fluoranthene	15.110	252	175265m	15.204	ng	
89) Benzo(k)fluoranthene	15.133	252	57694m	5.189	ng	
90) Benzo(a)pyrene	15.486	252	120254m	13.355	ng	
92) Benzo(g,h,i)perylene	17.509	276	59253	6.457	ng	# 88

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

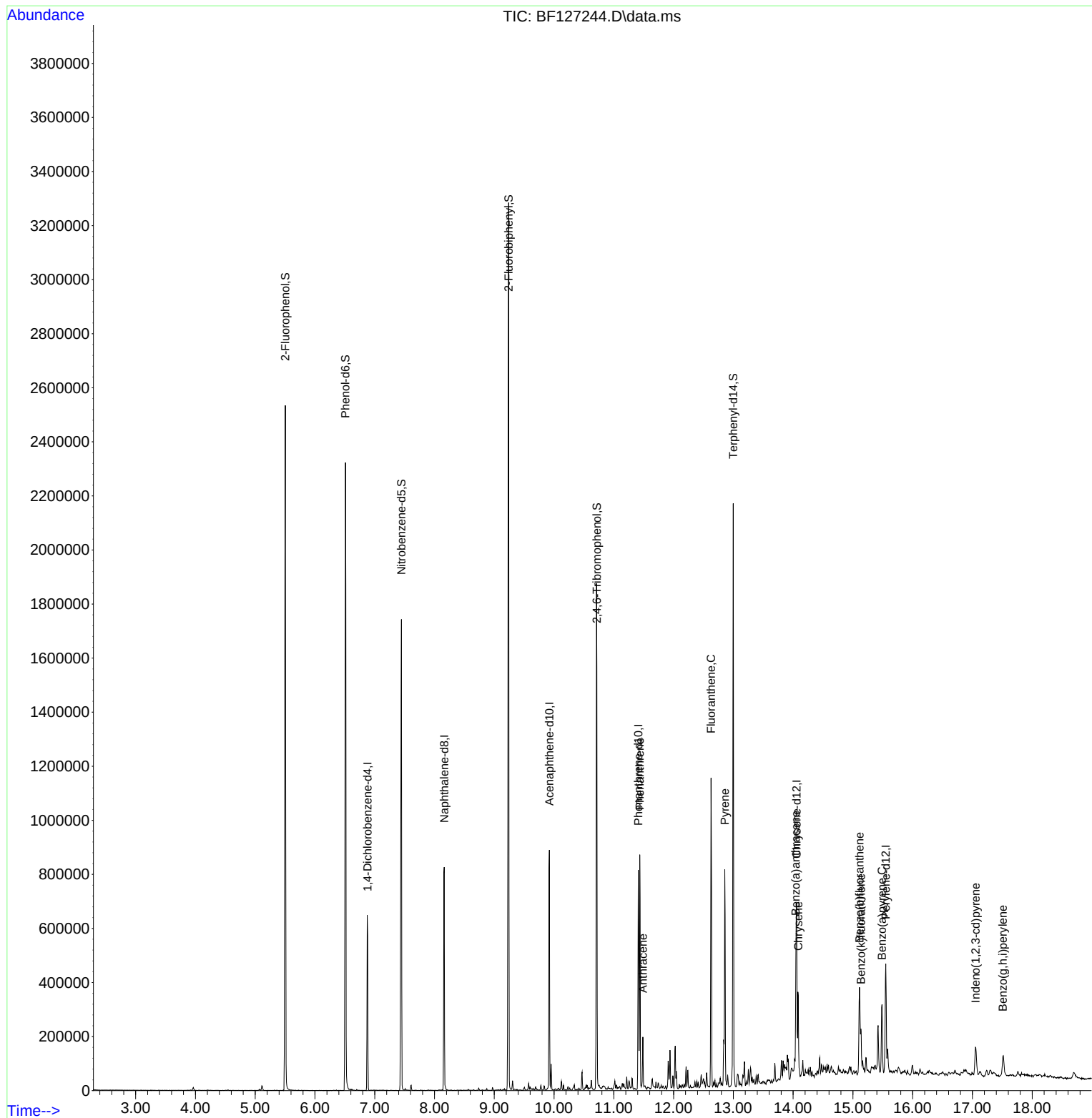
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
Data File : BF127244.D
Acq On : 08 Mar 2022 02:47
Operator : CG\JU
Sample : N1806-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

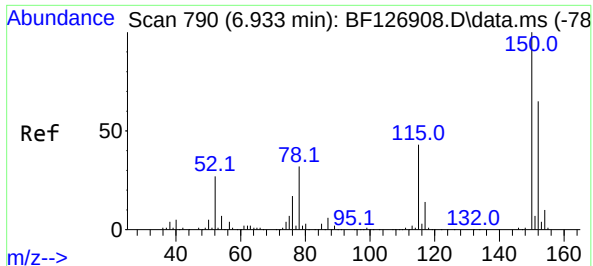
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

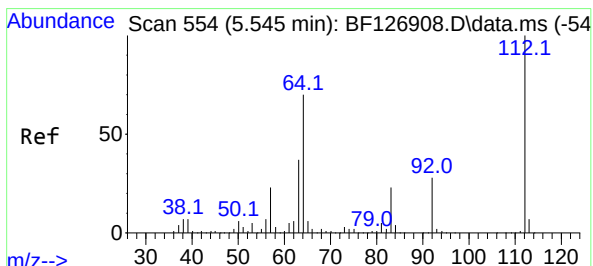
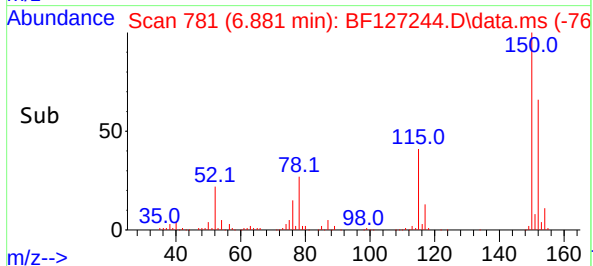
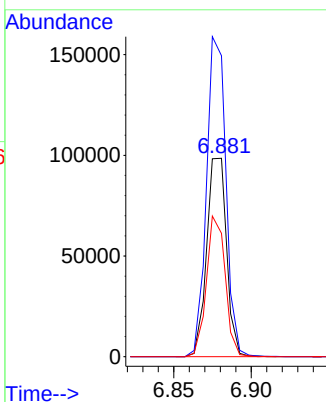
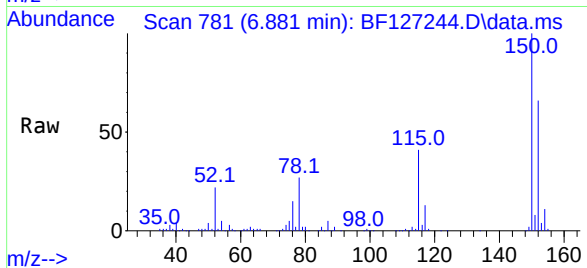
DUM-23

Tgt Ion:152 Resp: 8811
Ion Ratio Lower Upper
152 100
150 151.7 128.1 192.1
115 62.1 56.7 85.1

Manual Integrations

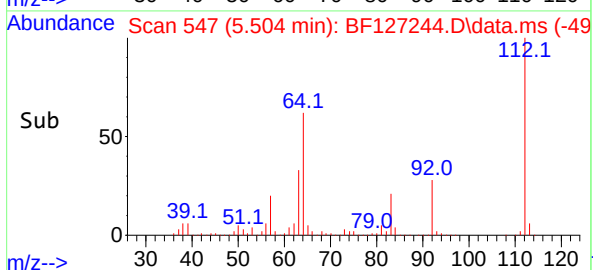
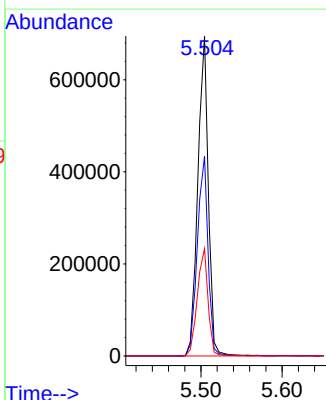
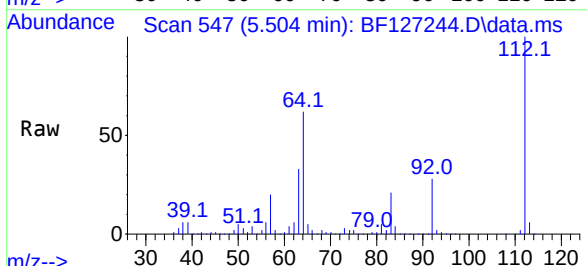
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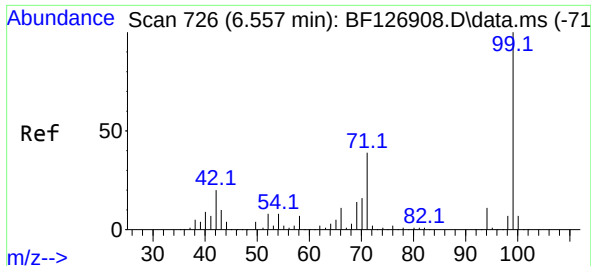
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#5
2-Fluorophenol
Concen: 109.913 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

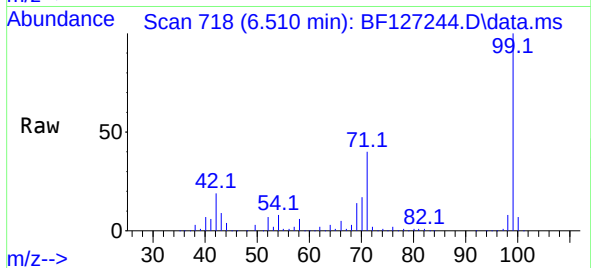
Tgt Ion:112 Resp: 626612
Ion Ratio Lower Upper
112 100
64 62.3 49.5 74.3
63 33.5 23.9 35.9





#7
Phenol-d6
Concen: 106.116 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

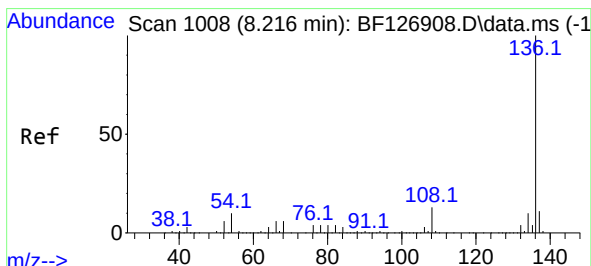
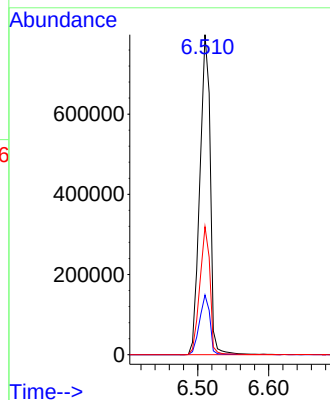
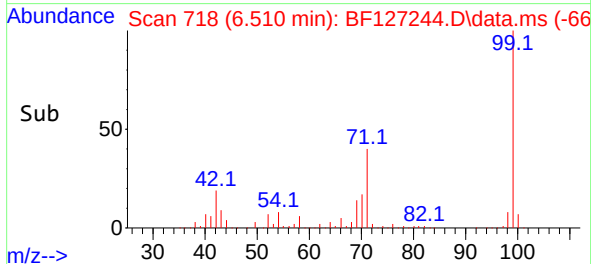
Instrument :
BNA_F
ClientSampleId :
DUM-23



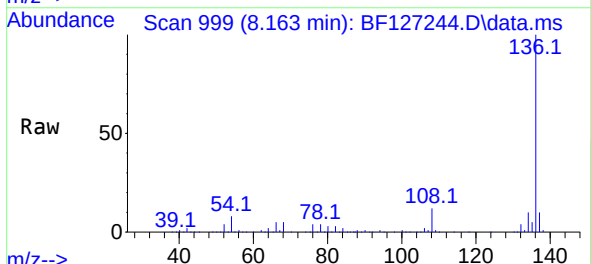
Tgt Ion: 99 Resp: 81631
Ion Ratio Lower Upper
99 100
42 18.7 14.2 21.4
71 40.0 24.3 36.5

Manual Integrations
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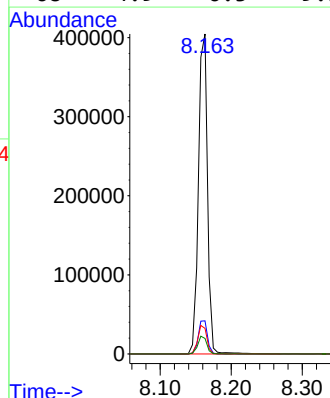
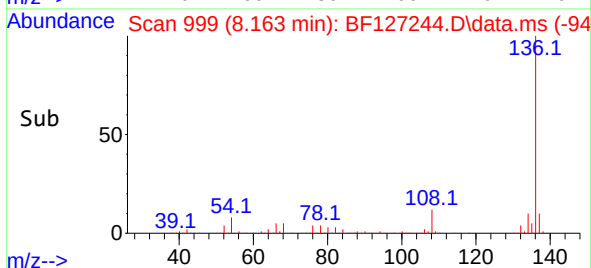
Reviewed By :Christian Giraldo 03/08/2022
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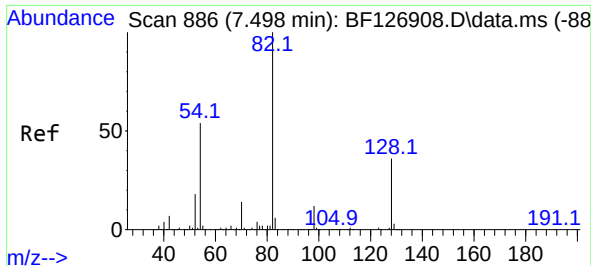


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47



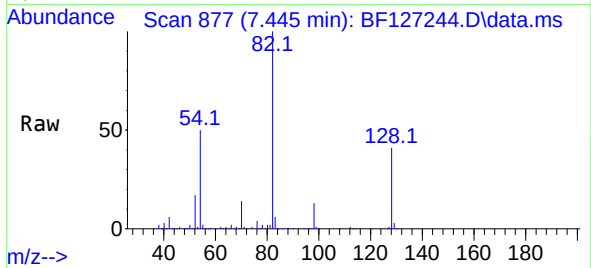
Tgt Ion:136 Resp: 359748
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.0 7.8 11.6
68 4.9 6.3 9.5





#23
Nitrobenzene-d5
Concen: 70.492 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

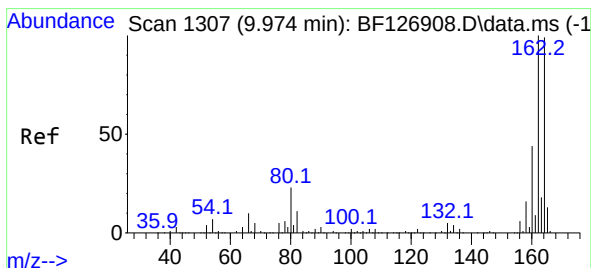
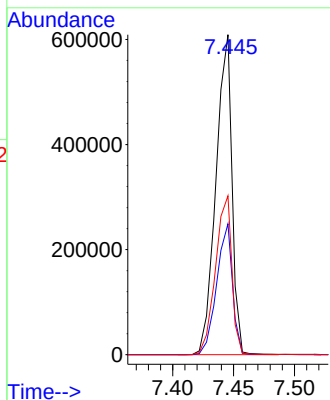
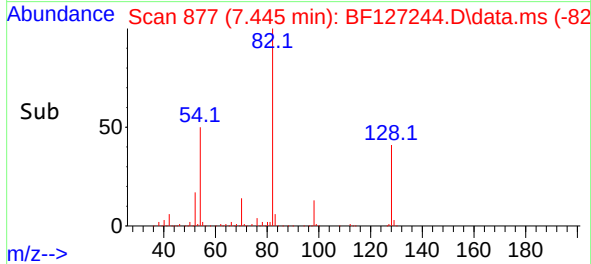
Instrument :
BNA_F
ClientSampleId :
DUM-23



Tgt Ion: 82 Resp: 561820
Ion Ratio Lower Upper
82 100
128 40.9 32.7 49.1
54 49.6 41.7 62.5

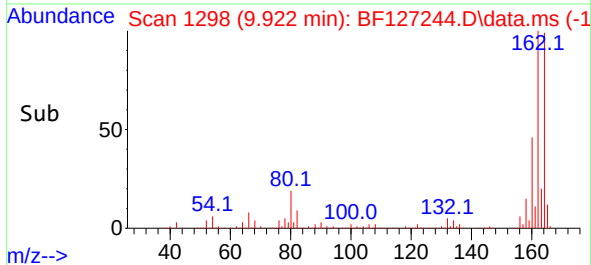
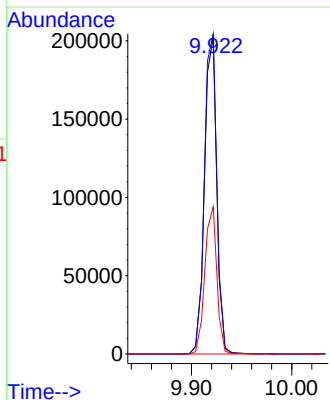
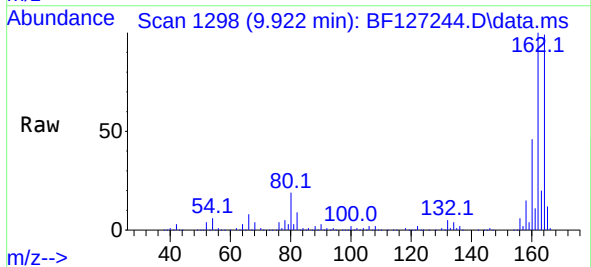
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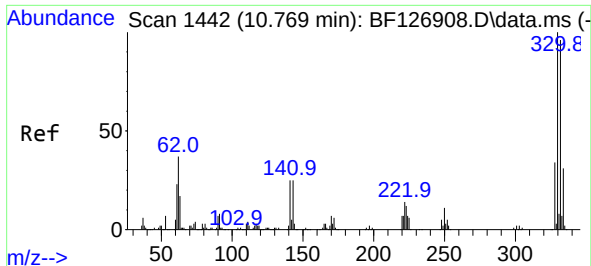
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:164 Resp: 172643
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 46.5 36.6 54.8





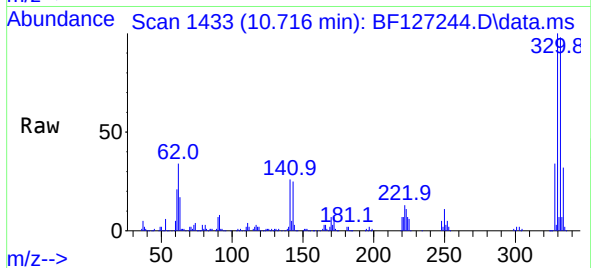
#42
2,4,6-Tribromophenol
Concen: 111.479 ng
RT: 10.716 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

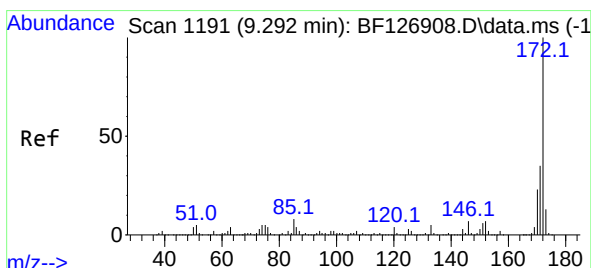
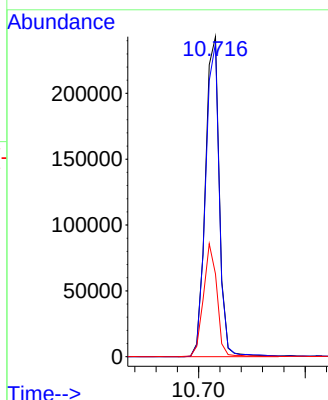
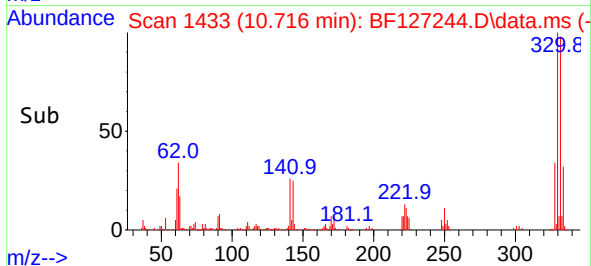


Tgt Ion: 330 Resp: 22159
Ion Ratio Lower Upper
330 100
332 96.9 76.0 114.0
141 34.4 30.1 45.1

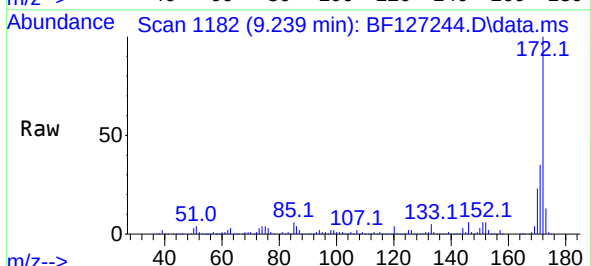
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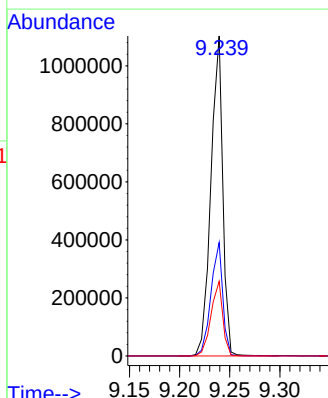
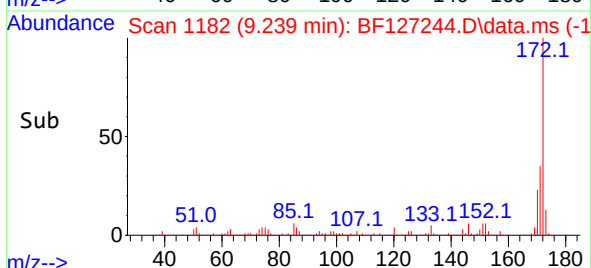
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Supervised By : Jagrut Upadhyay 03/08/2022

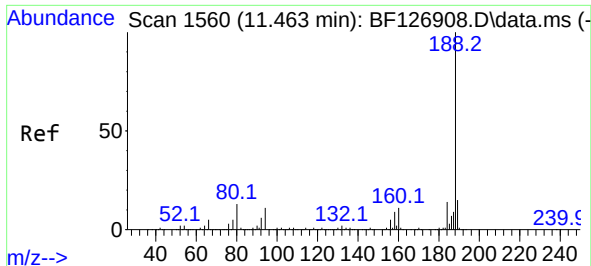


#45
2-Fluorobiphenyl
Concen: 77.781 ng
RT: 9.239 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47



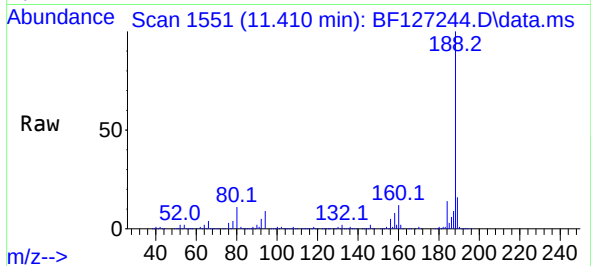
Tgt Ion: 172 Resp: 912150
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

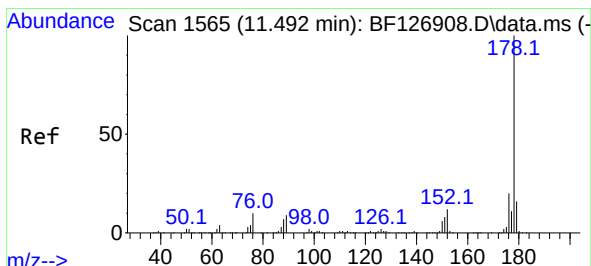
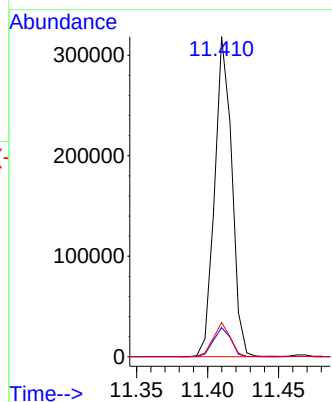
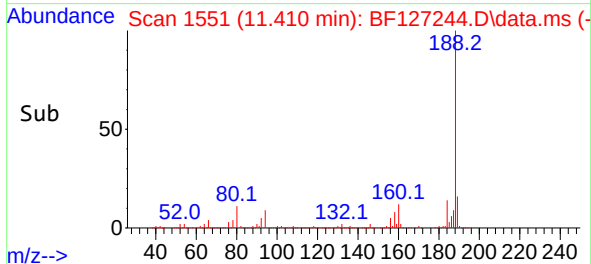
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ClientSampleId :
DUM-23



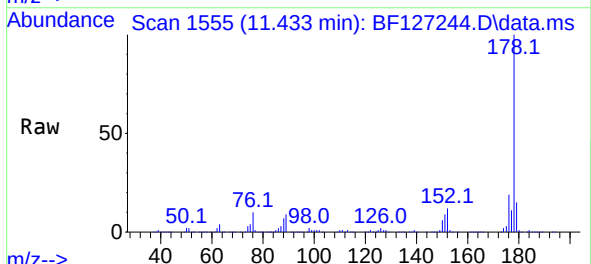
Tgt Ion:188 Resp: 26841
Ion Ratio Lower Upper
188 100
94 9.1 10.1 15.1
80 10.7 11.8 17.6

Manual Integrations
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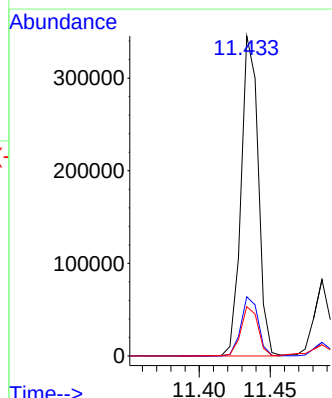
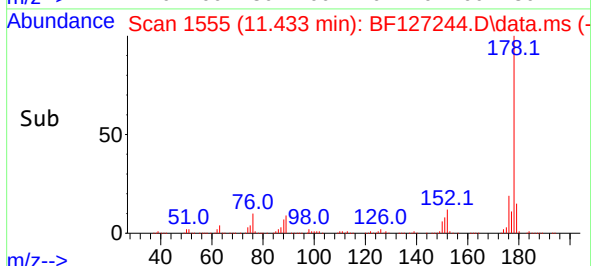
Reviewed By :Christian Giraldo 03/08/2022
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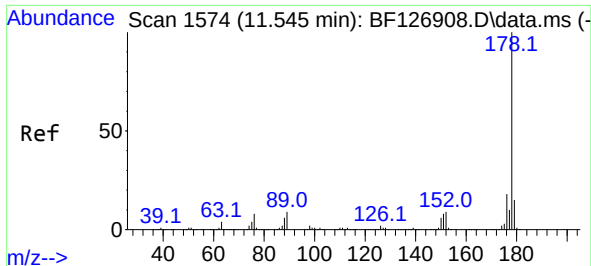


#71
Phenanthrene
Concen: 19.332 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47



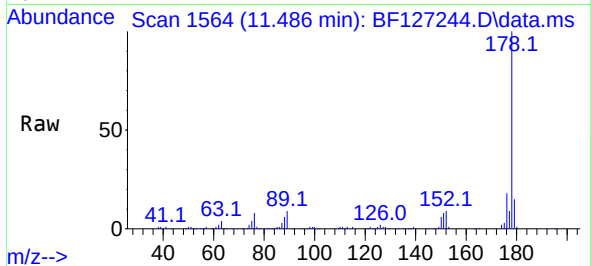
Tgt Ion:178 Resp: 290436
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 15.4 12.3 18.5





#72
 Anthracene
 Concen: 4.118 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

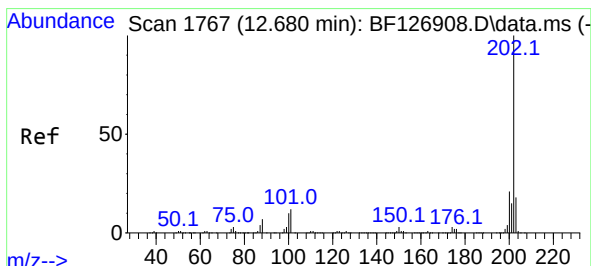
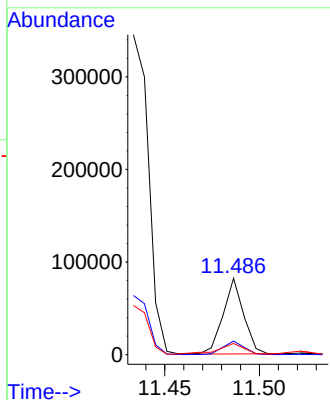
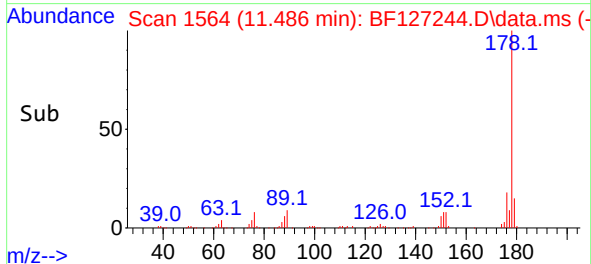
Instrument :
 BNA_F
 ClientSampleId :
 DUM-23



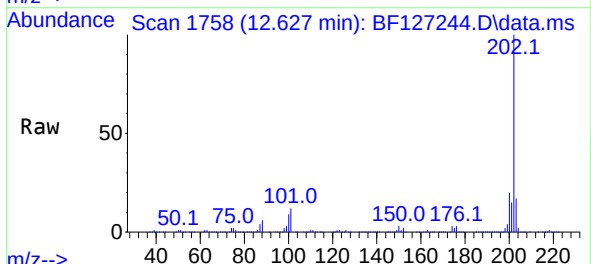
Tgt Ion:178 Resp: 61594
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 14.6 12.5 18.7

Manual Integrations
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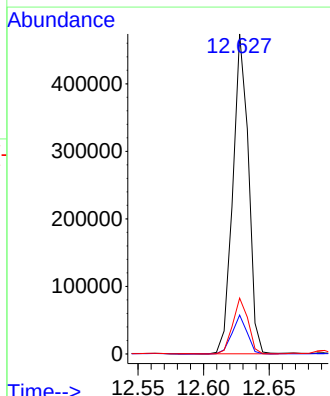
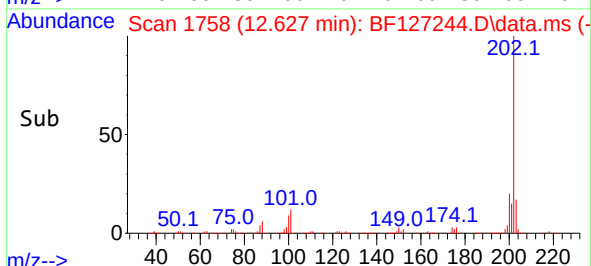
Reviewed By :Christian Giraldo 03/08/2022
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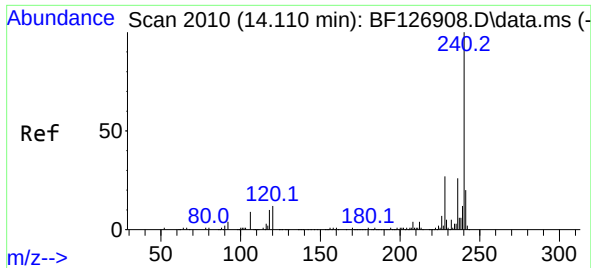


#75
 Fluoranthene
 Concen: 27.491 ng
 RT: 12.627 min Scan# 1758
 Delta R.T. -0.006 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47



Tgt Ion:202 Resp: 392164
 Ion Ratio Lower Upper
 202 100
 101 12.1 0.0 35.7
 203 17.5 0.0 37.1





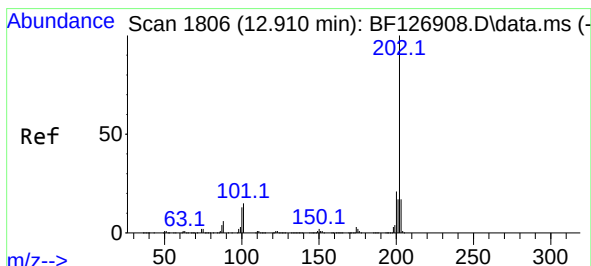
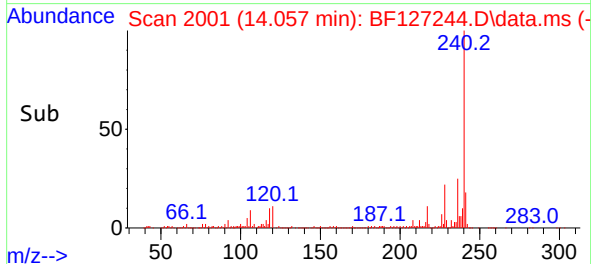
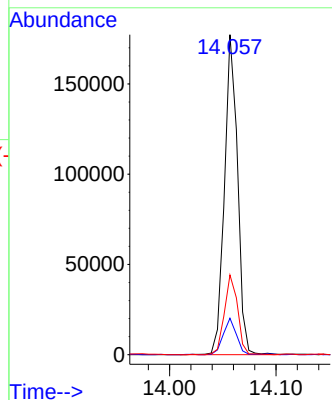
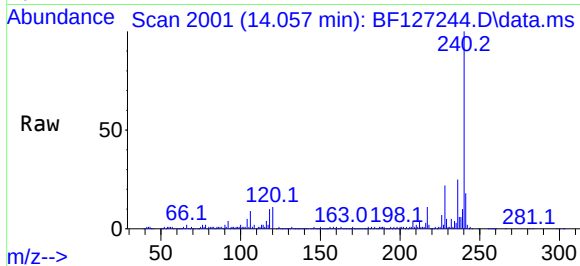
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Instrument :
BNA_F
ClientSampleId :
DUM-23

Tgt Ion:240 Resp: 150819
Ion Ratio Lower Upper
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120 11.4 14.4 21.6
236 24.9 20.5 30.7

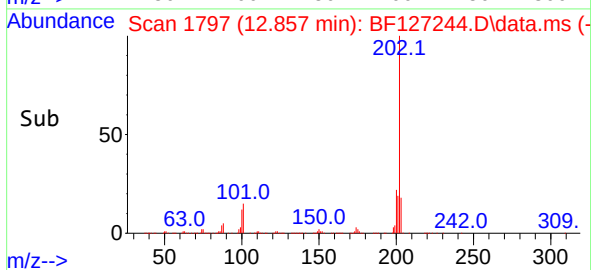
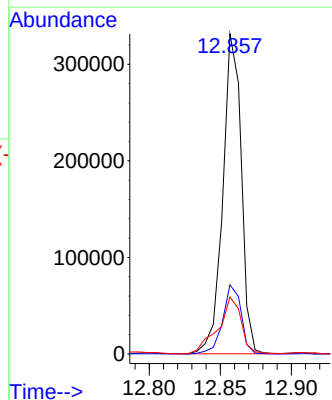
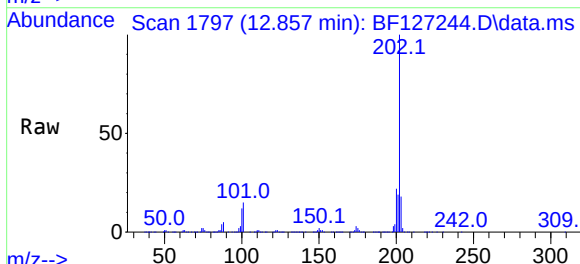
Manual Integrations
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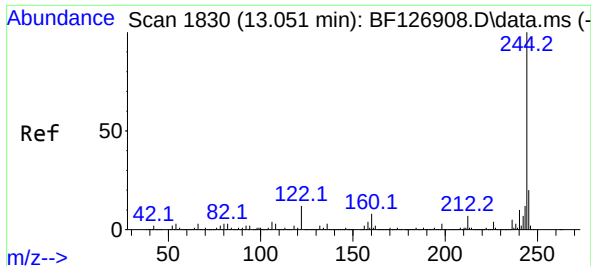
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#78
Pyrene
Concen: 22.830 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

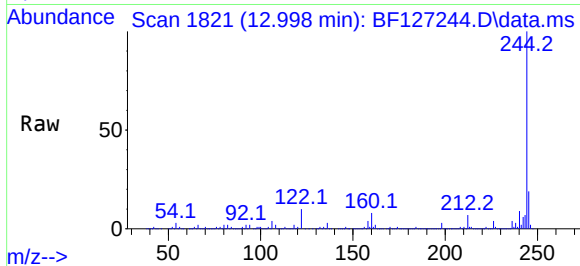
Tgt Ion:202 Resp: 299143
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 17.8 13.8 20.8





#79
 Terphenyl-d14
 Concen: 62.881 ng
 RT: 12.998 min Scan# 1821
 Delta R.T. 0.000 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

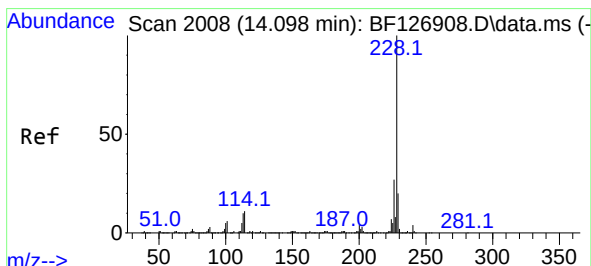
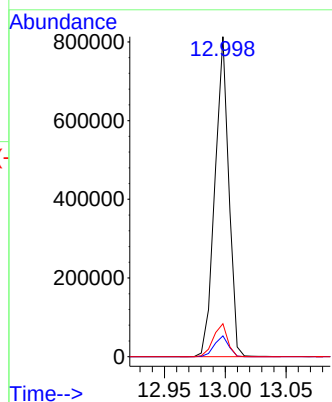
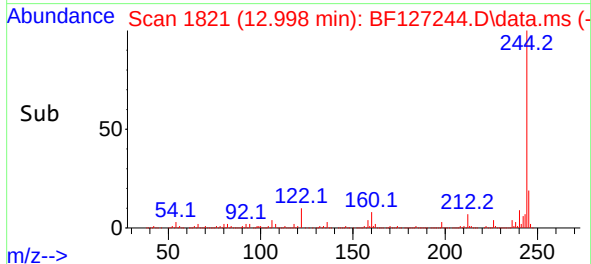
Instrument :
 BNA_F
 ClientSampleId :
 DUM-23



Tgt Ion:244 Resp: 645125
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.0 7.4
 122 10.3 13.3 19.9

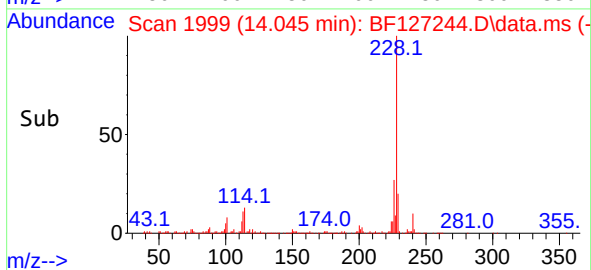
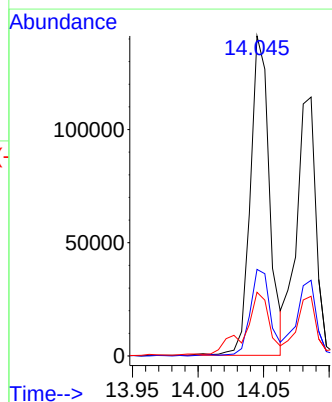
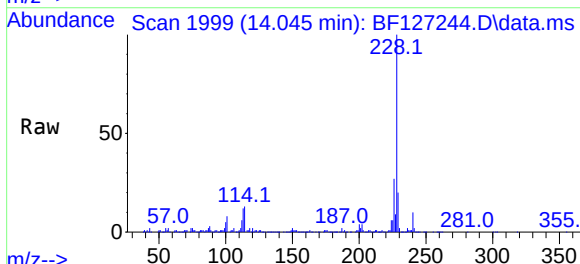
Manual Integrations
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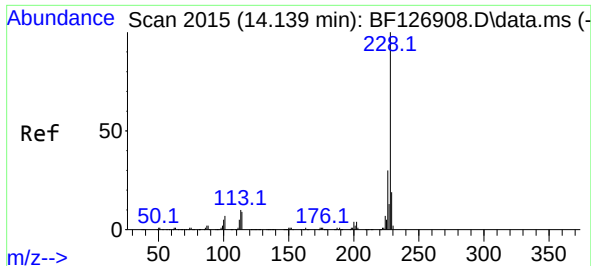
Reviewed By :Christian Giraldo 03/08/2022
 Supervised By :Jagrut Upadhyay 03/08/2022



#81
 Benzo(a)anthracene
 Concen: 14.038 ng
 RT: 14.045 min Scan# 1999
 Delta R.T. -0.006 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

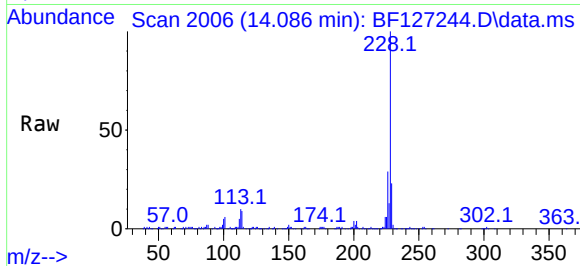
Tgt Ion:228 Resp: 142732
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.4 32.0
 229 19.9 15.4 23.2





#83
Chrysene
Concen: 12.468 ng
RT: 14.086 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

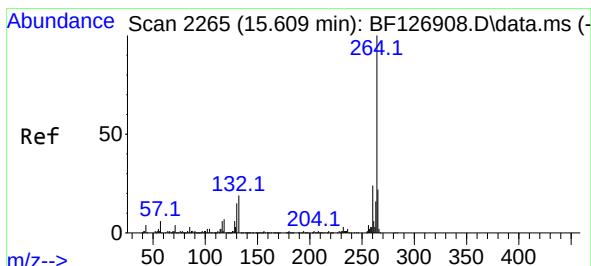
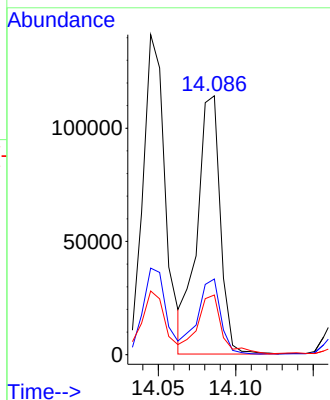
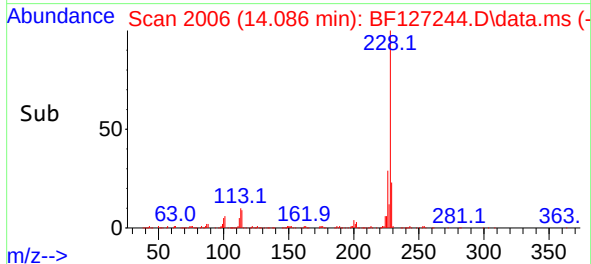
Instrument :
BNA_F
ClientSampleId :
DUM-23



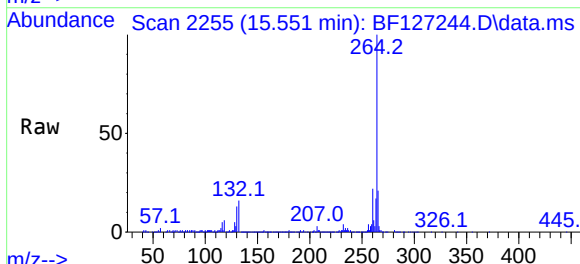
Tgt Ion:228 Resp: 119215
Ion Ratio Lower Upper
228 100
226 29.2 23.7 35.5
229 23.0 15.5 23.3

Manual Integrations
APPROVED

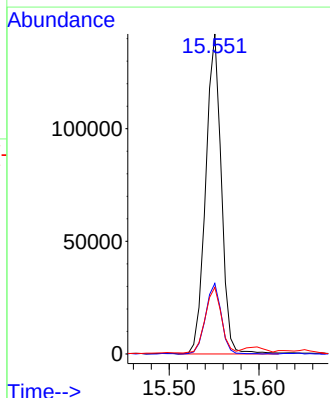
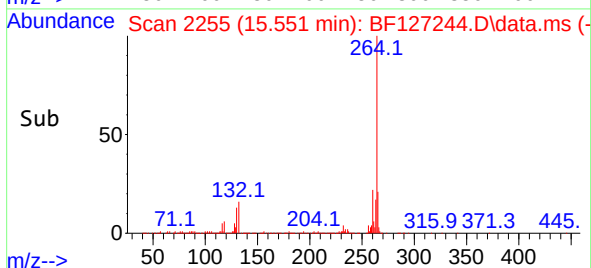
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

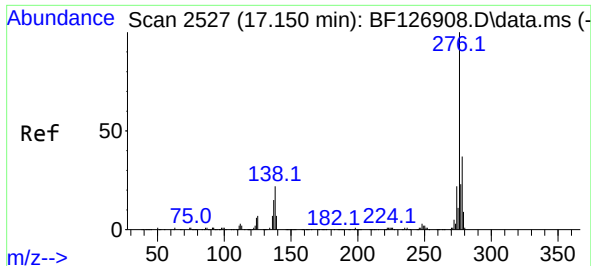


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47



Tgt Ion:264 Resp: 171633
Ion Ratio Lower Upper
264 100
260 22.1 19.2 28.8
265 20.8 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.161 ng
RT: 17.051 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

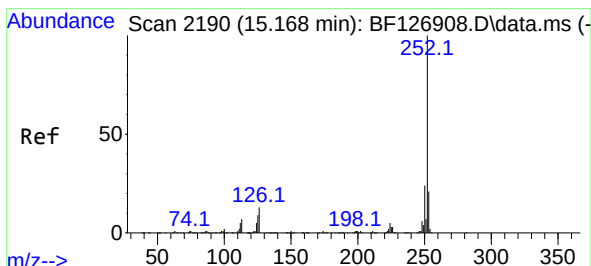
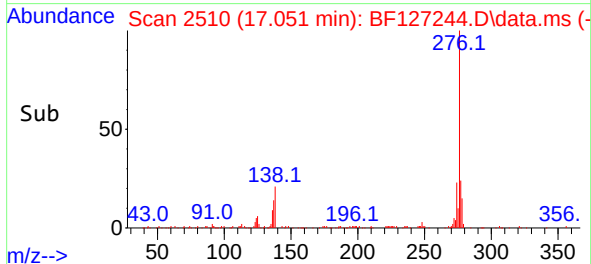
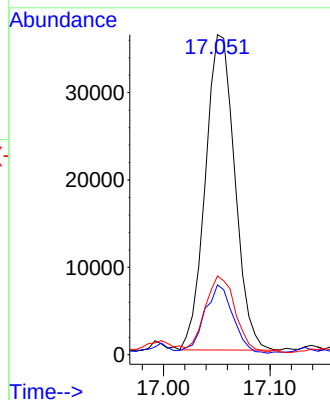
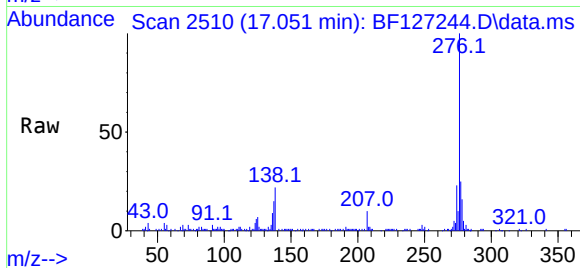
DUM-23

Tgt Ion:276 Resp: 6934
Ion Ratio Lower Upper
276 100
138 21.5 29.2 43.8
277 25.1 19.8 29.8

Manual Integrations

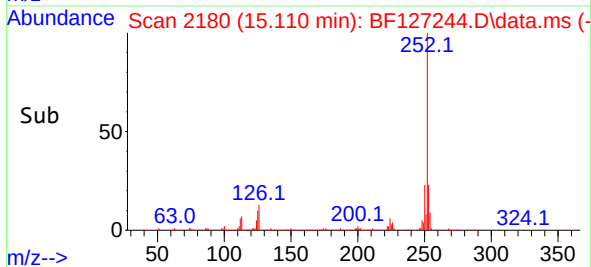
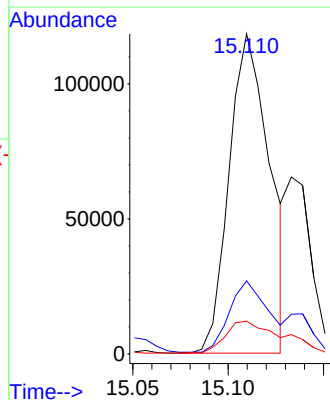
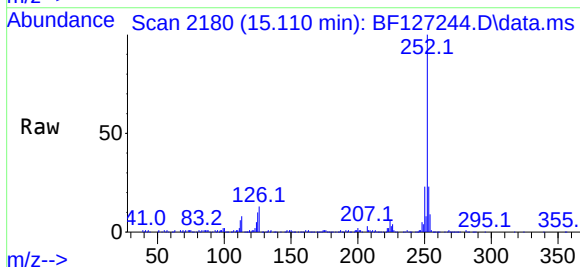
APPROVED

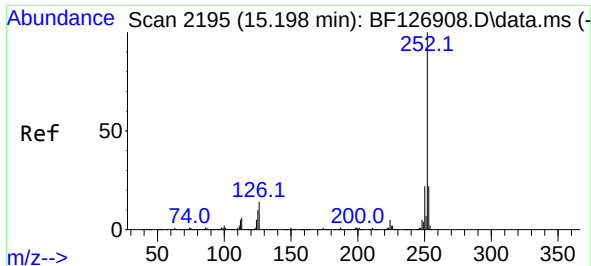
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#88
Benzo(b)fluoranthene
Concen: 15.204 ng m
RT: 15.110 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BF127244.D
Acq: 08 Mar 2022 02:47

Tgt Ion:252 Resp: 175265
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 10.2 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 5.189 ng m

RT: 15.133 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Instrument :

BNA_F

ClientSampleId :

DUM-23

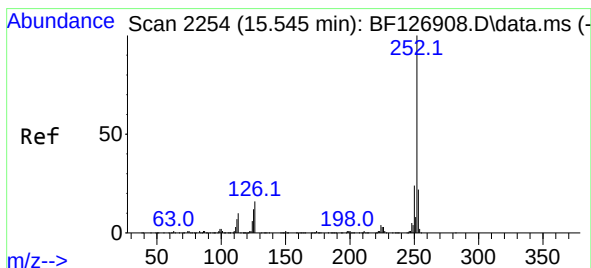
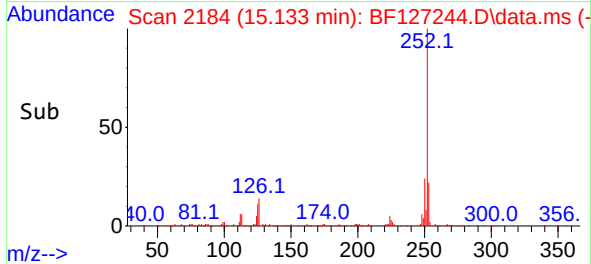
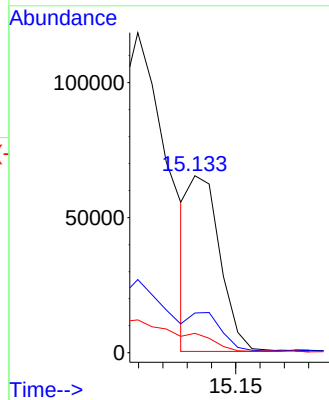
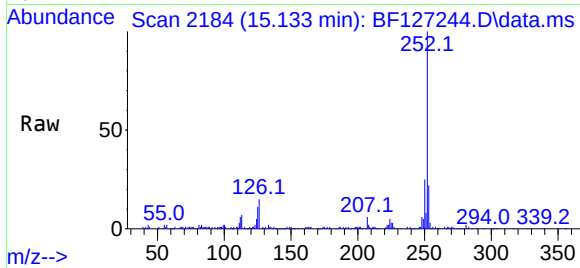
Tgt Ion:252 Resp: 57694

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.0	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: 13.355 ng m

RT: 15.486 min Scan# 2244

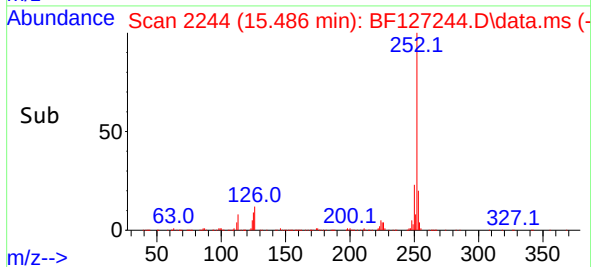
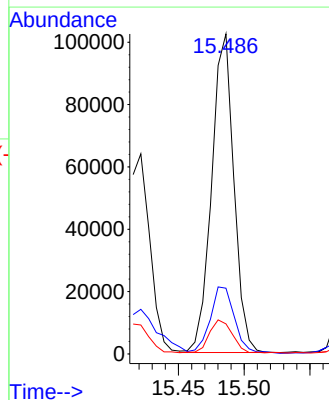
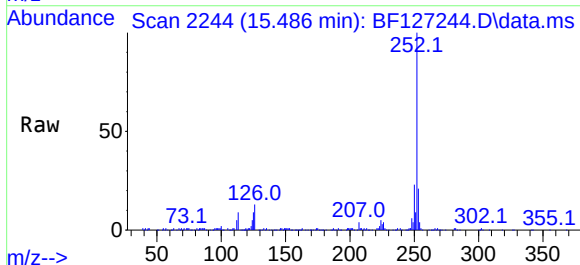
Delta R.T. 0.000 min

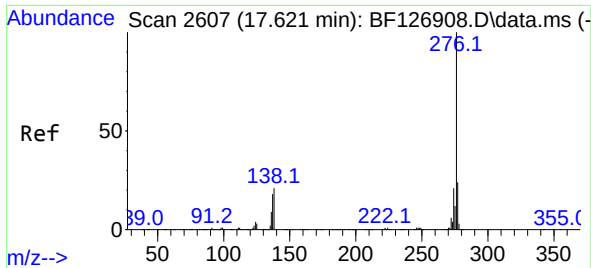
Lab File: BF127244.D

Acq: 08 Mar 2022 02:47

Tgt Ion:252 Resp: 120254

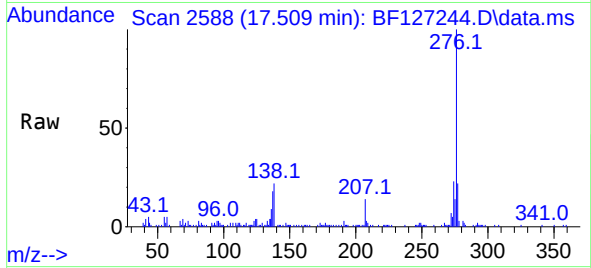
Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.1	25.7
125	9.4	13.0	19.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.457 ng
 RT: 17.509 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF127244.D
 Acq: 08 Mar 2022 02:47

Instrument :
 BNA_F
 ClientSampleId :
 DUM-23



Tgt Ion: 276 Resp: 5925

Ion	Ratio	Lower	Upper
276	100		
277	21.9	18.5	27.7
138	21.7	25.9	38.9

Manual Integrations
 APPROVED

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

