

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022522\
 Data File : BF127087.D
 Acq On : 25 Feb 2022 22:53
 Operator : CG\JU
 Sample : N1670-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022422

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/28/2022
 Supervised By : Jagrut Upadhyay 02/28/2022

Quant Time: Feb 26 01:41:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	103956	20.000	ng	-0.01
21) Naphthalene-d8	8.187	136	395357	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	177598	20.000	ng	-0.01
64) Phenanthrene-d10	11.433	188	246967	20.000	ng	#-0.01
76) Chrysene-d12	14.080	240	197468	20.000	ng	# 0.00
86) Perylene-d12	15.580	264	186640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	111116	16.520	ng	-0.01
7) Phenol-d6	6.522	99	148484	16.360	ng	-0.02
23) Nitrobenzene-d5	7.457	82	99255	11.332	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	26203	12.814	ng	-0.02
45) 2-Fluorobiphenyl	9.257	172	156995	13.014	ng	-0.01
79) Terphenyl-d14	13.016	244	118279	8.805	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.457	178	61070	4.418	ng	97
75) Fluoranthene	12.645	202	91725	6.988	ng	97
78) Pyrene	12.880	202	98484	5.741	ng	99
81) Benzo(a)anthracene	14.069	228	49651m	3.730	ng	
83) Chrysene	14.104	228	53499	4.274	ng	100
87) Indeno(1,2,3-cd)pyrene	17.086	276	25564	2.089	ng	# 81
88) Benzo(b)fluoranthene	15.133	252	67687m	5.400	ng	
90) Benzo(a)pyrene	15.510	252	47277m	4.828	ng	
92) Benzo(g,h,i)perylene	17.551	276	23911	2.396	ng	# 84

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

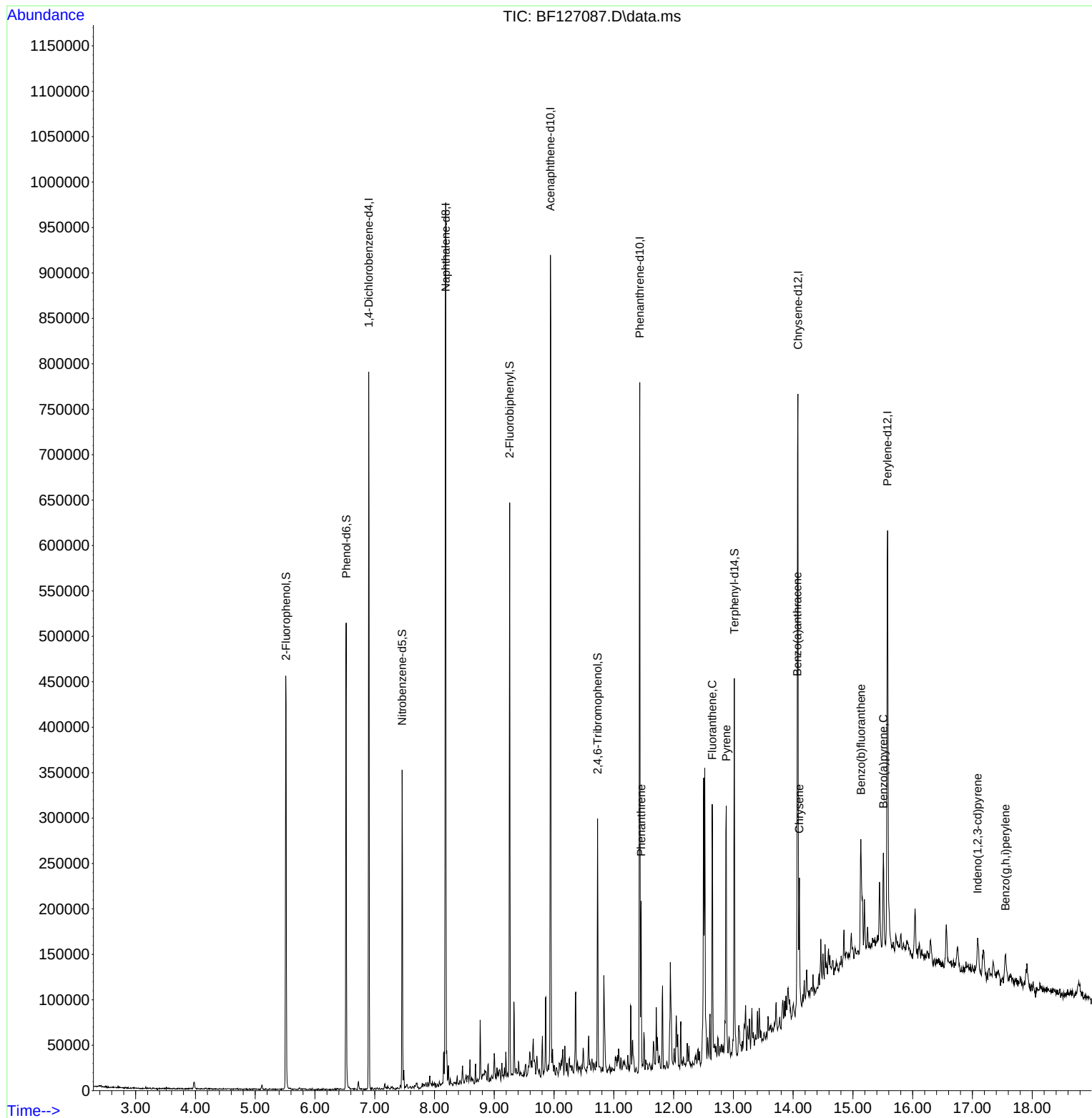
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022522\
Data File : BF127087.D
Acq On : 25 Feb 2022 22:53
Operator : CG\JU
Sample : N1670-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

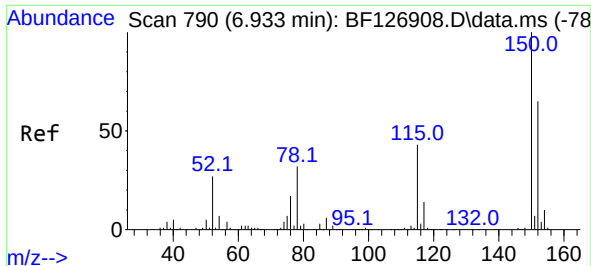
Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Quant Time: Feb 26 01:41:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

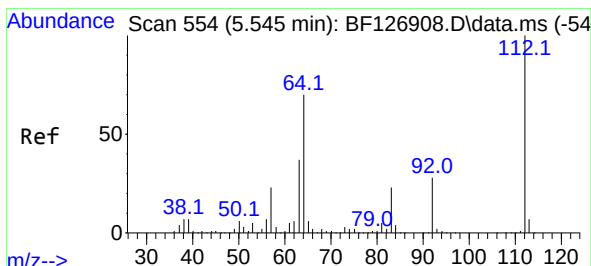
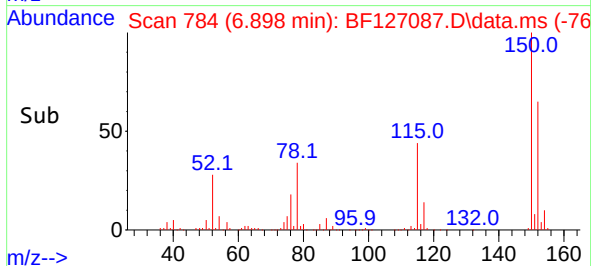
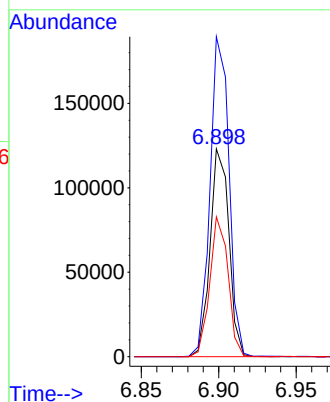
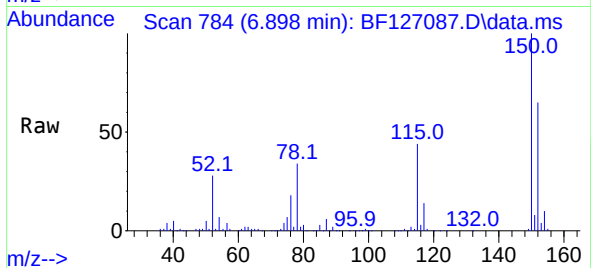
OR-03-022422

Tgt Ion:152 Resp: 103950
Ion Ratio Lower Upper
152 100
150 153.9 128.1 192.1
115 67.3 56.7 85.1

Manual Integrations

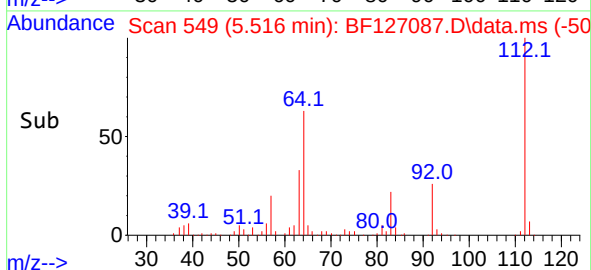
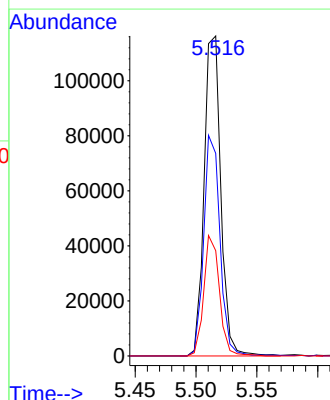
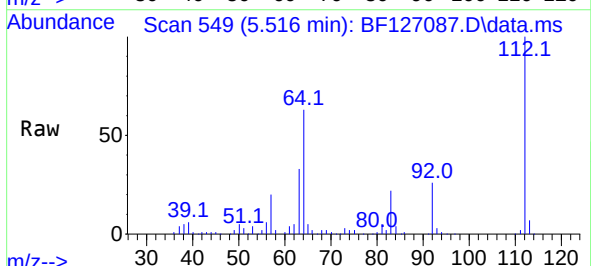
APPROVED

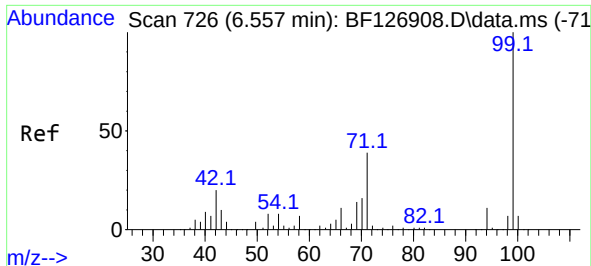
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022



#5
2-Fluorophenol
Concen: 16.520 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:112 Resp: 111116
Ion Ratio Lower Upper
112 100
64 63.3 49.5 74.3
63 32.9 23.9 35.9





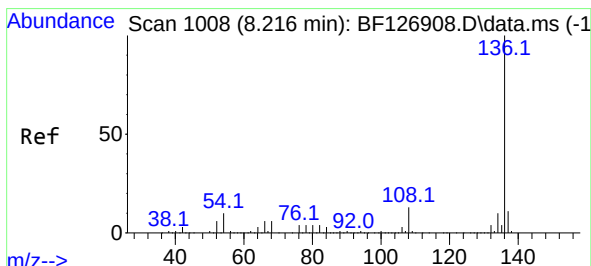
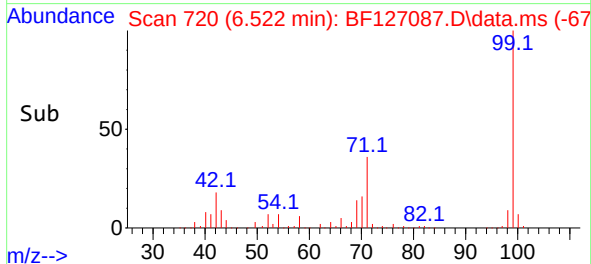
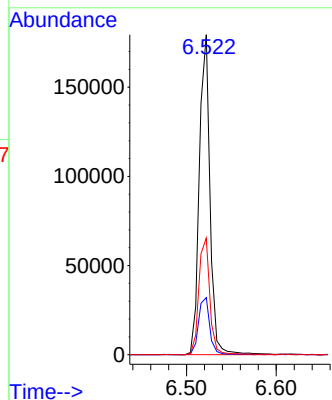
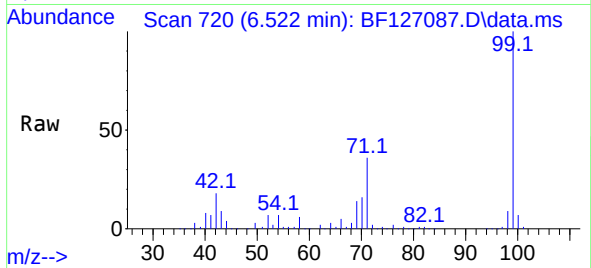
#7
Phenol-d6
Concen: 16.360 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion: 99 Resp: 148484
Ion Ratio Lower Upper
99 100
42 17.8 14.2 21.4
71 36.5 24.3 36.5

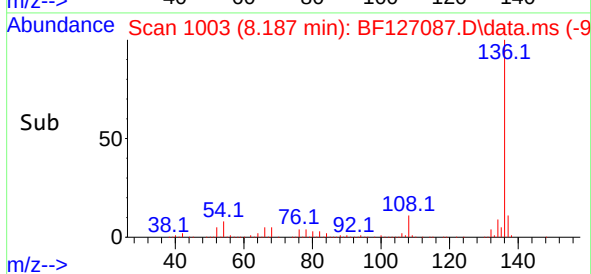
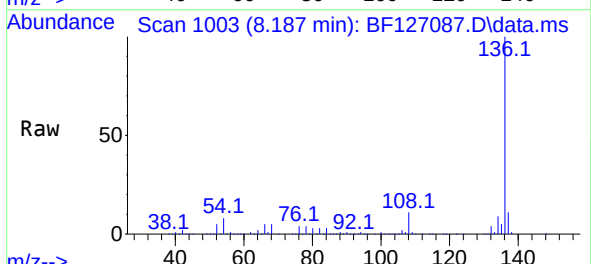
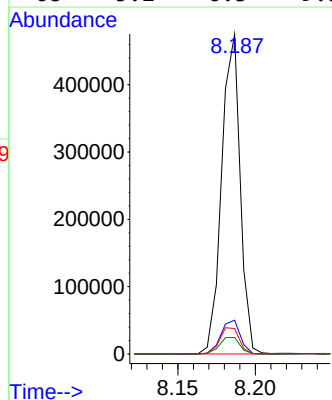
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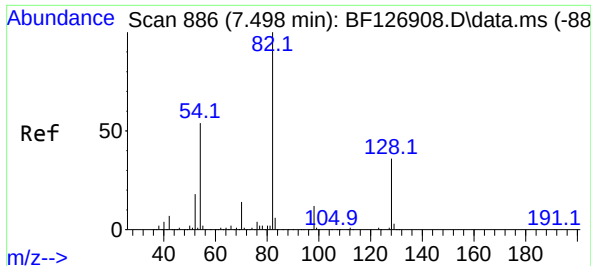
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:136 Resp: 395357
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.0 7.8 11.6
68 5.2 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 11.332 ng

RT: 7.457 min Scan# 81

Delta R.T. -0.017 min

Lab File: BF127087.D

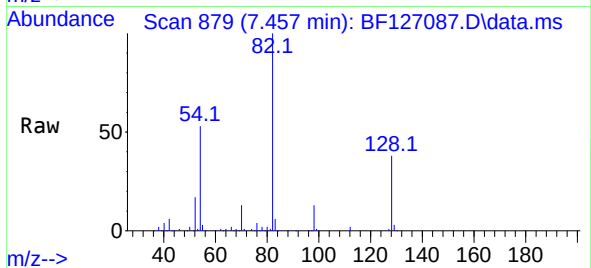
Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

OR-03-022422



Tgt Ion: 82 Resp: 9925

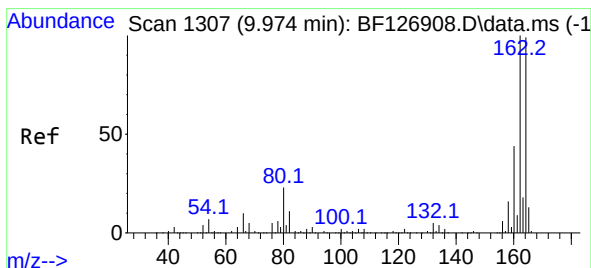
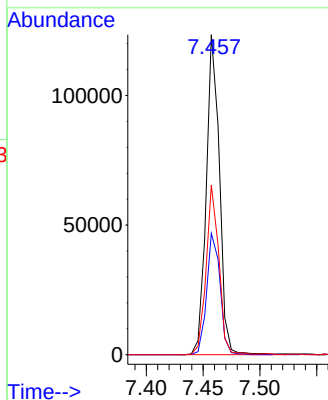
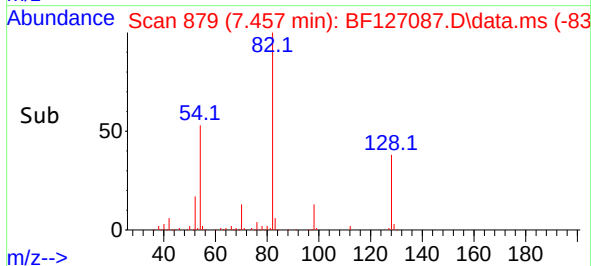
Ion	Ratio	Lower	Upper
82	100		
128	37.9	32.7	49.1
54	53.0	41.7	62.5

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Supervised By :Jagrut Upadhyay 02/28/2022



#39

Acenaphthene-d10

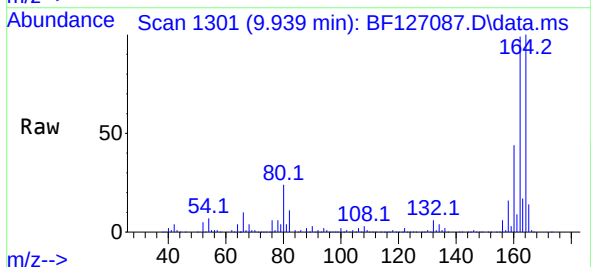
Concen: 20.000 ng

RT: 9.939 min Scan# 1301

Delta R.T. -0.012 min

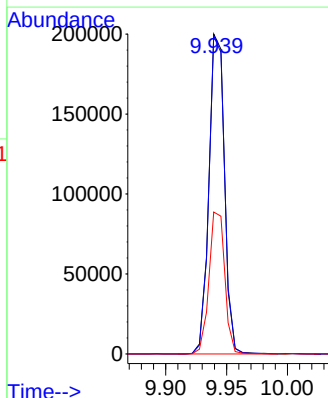
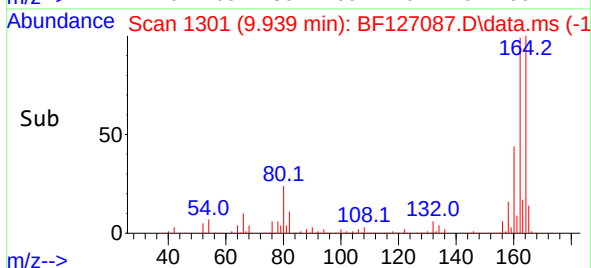
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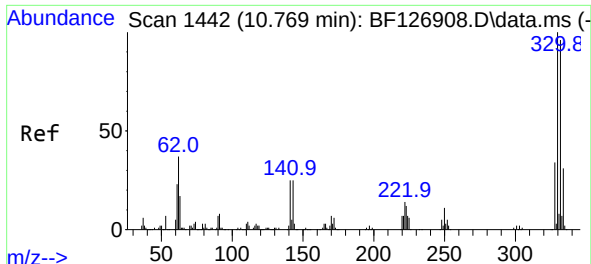
Acq: 25 Feb 2022 22:53



Tgt Ion:164 Resp: 177598

Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.4	122.0
160	44.3	36.6	54.8





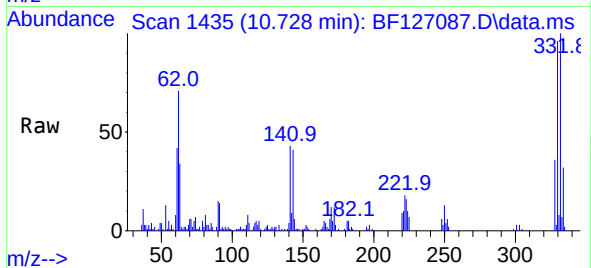
#42
2,4,6-Tribromophenol
Concen: 12.814 ng
RT: 10.728 min Scan# 1442
Delta R.T. -0.017 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

OR-03-022422



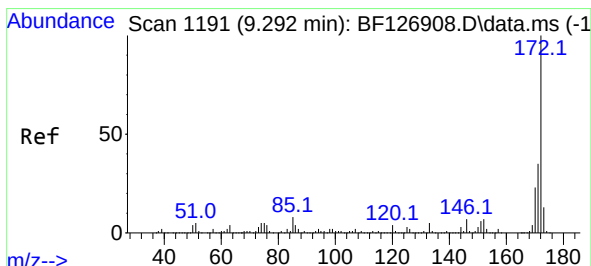
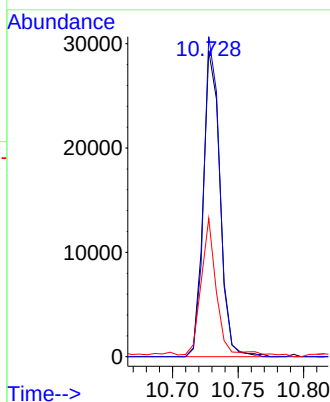
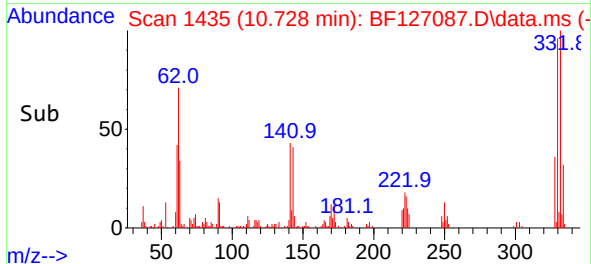
Tgt Ion:330 Resp: 26200
Ion Ratio Lower Upper
330 100
332 100.5 76.0 114.0
141 43.3 30.1 45.1

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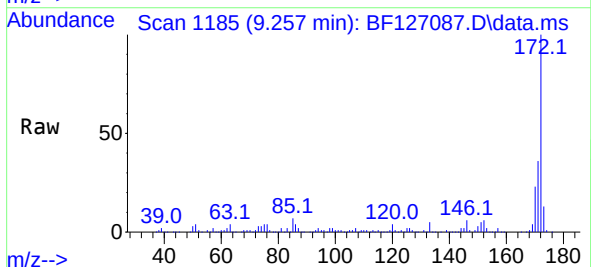
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Reviewed By :Christian Giraldo 02/28/2022

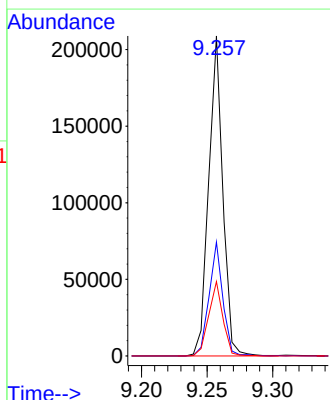
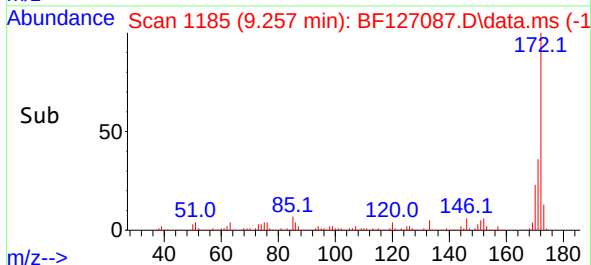
Supervised By :Jagrut Upadhyay 02/28/2022

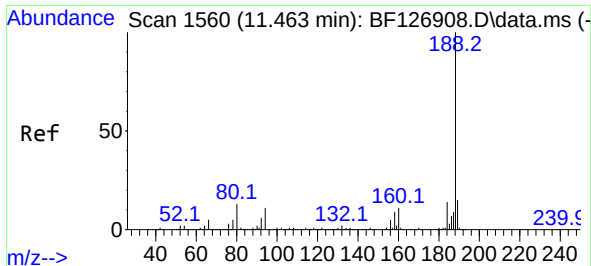


#45
2-Fluorobiphenyl
Concen: 13.014 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53



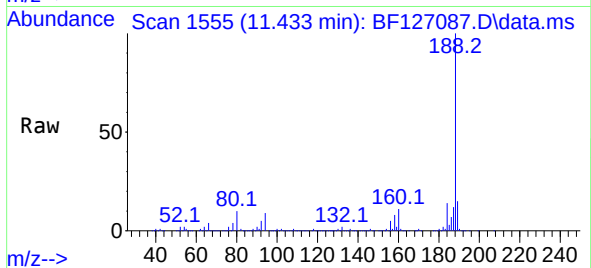
Tgt Ion:172 Resp: 156995
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

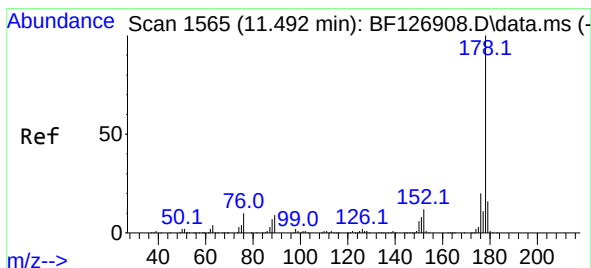
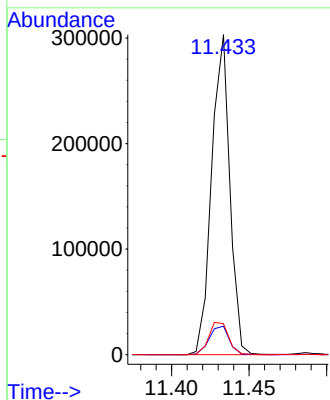
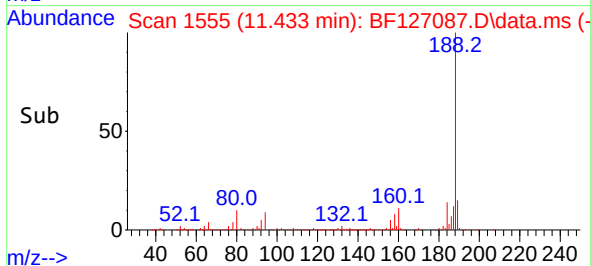
Instrument :
BNA_F
ClientSampleId :
OR-03-022422



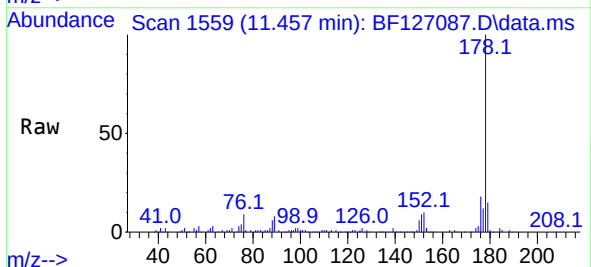
Tgt Ion:188 Resp: 24696
Ion Ratio Lower Upper
188 100
94 8.9 10.1 15.1
80 9.7 11.8 17.6

Manual Integrations
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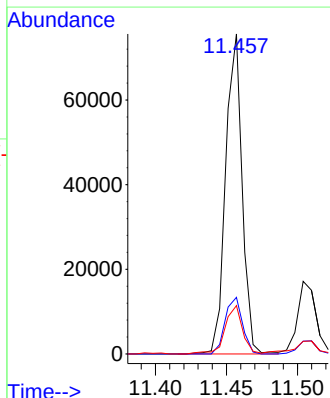
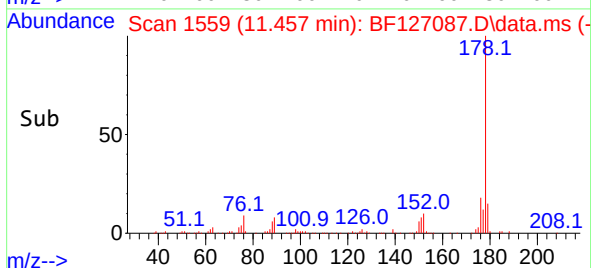
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022

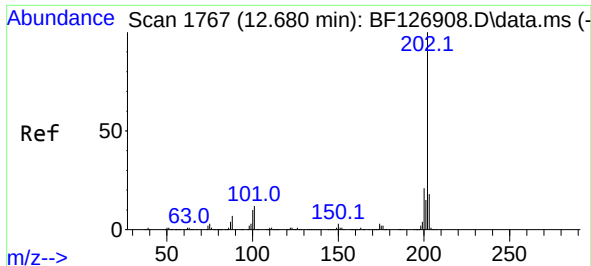


#71
Phenanthrene
Concen: 4.418 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53



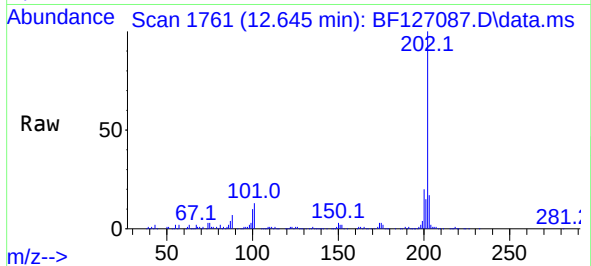
Tgt Ion:178 Resp: 61070
Ion Ratio Lower Upper
178 100
176 17.7 15.7 23.5
179 15.1 12.3 18.5





#75
Fluoranthene
Concen: 6.988 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

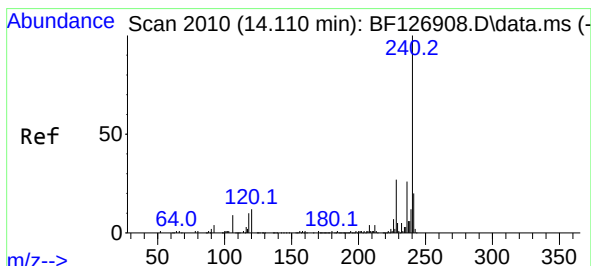
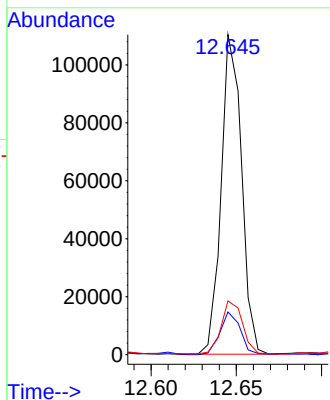
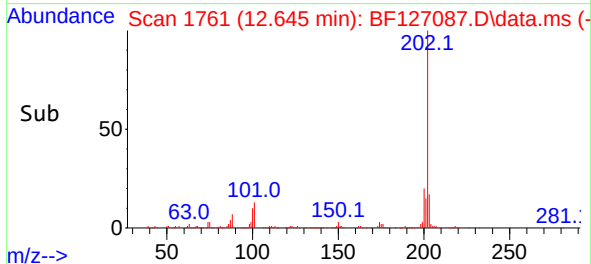
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BNA_F
ClientSampleId :
OR-03-022422



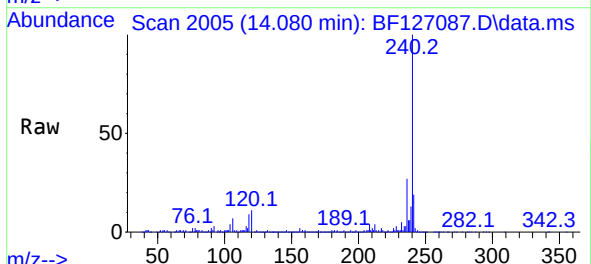
Tgt Ion:202 Resp: 91725
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.7
203 16.8 0.0 37.1

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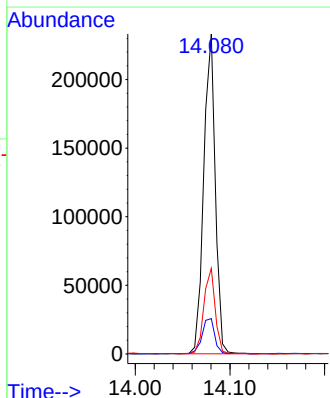
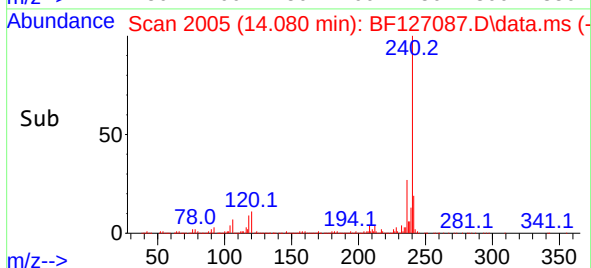
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Supervised By :Jagrut Upadhyay 02/28/2022

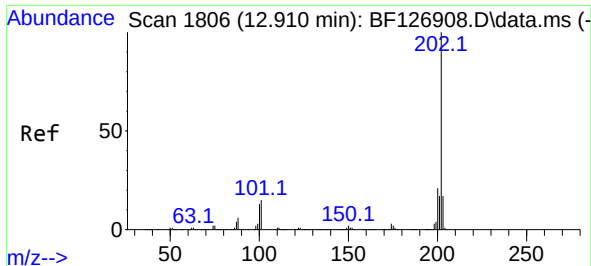


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53



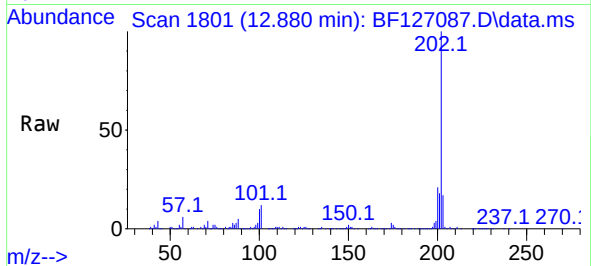
Tgt Ion:240 Resp: 197468
Ion Ratio Lower Upper
240 100
120 11.0 14.4 21.6#
236 26.7 20.5 30.7





#78
 Pyrene
 Concen: 5.741 ng
 RT: 12.880 min Scan# 1806
 Delta R.T. -0.012 min
 Lab File: BF127087.D
 Acq: 25 Feb 2022 22:53

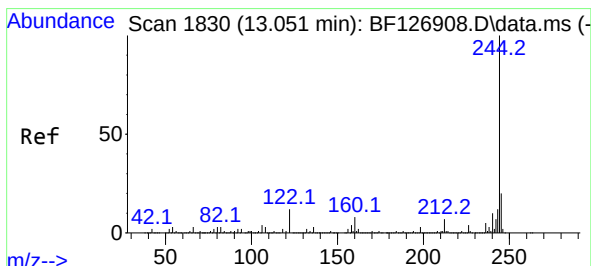
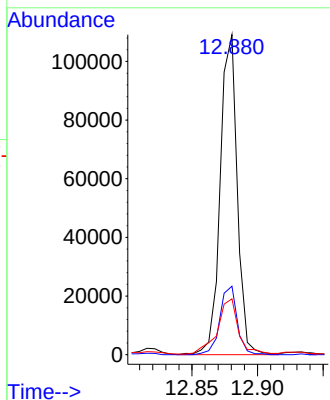
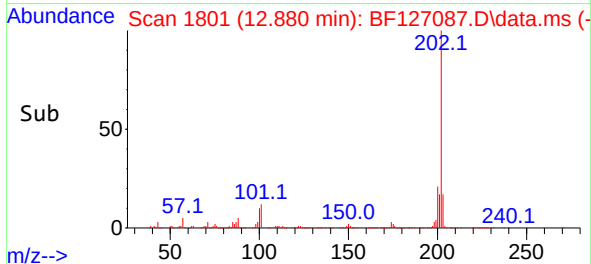
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-022422



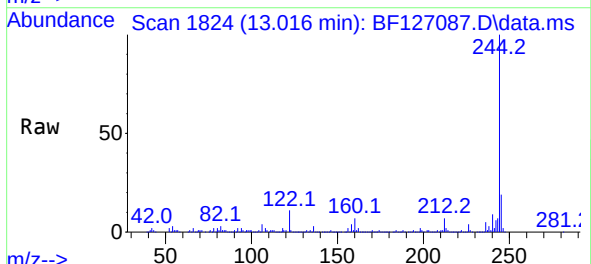
Tgt Ion:202 Resp: 98484
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.6 24.8
 203 17.5 13.8 20.8

Manual Integrations
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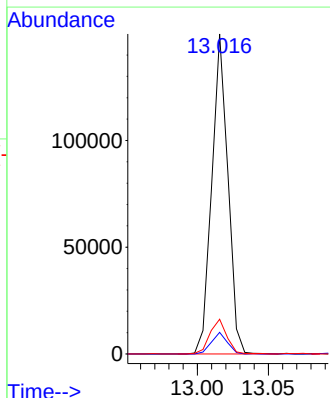
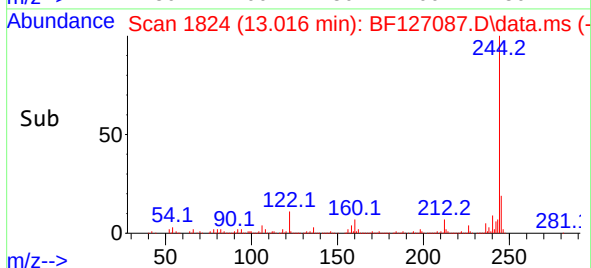
Reviewed By :Christian Giraldo 02/28/2022
 Supervised By :Jagrut Upadhyay 02/28/2022

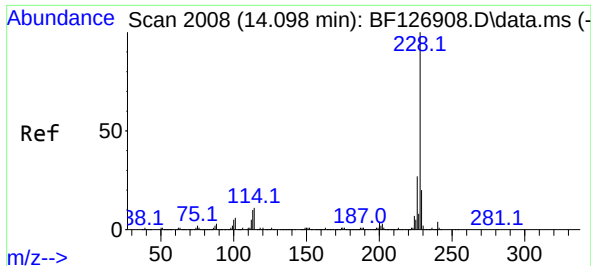


#79
 Terphenyl-d14
 Concen: 8.805 ng
 RT: 13.016 min Scan# 1824
 Delta R.T. -0.012 min
 Lab File: BF127087.D
 Acq: 25 Feb 2022 22:53



Tgt Ion:244 Resp: 118279
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.0 7.4
 122 10.9 13.3 19.9#





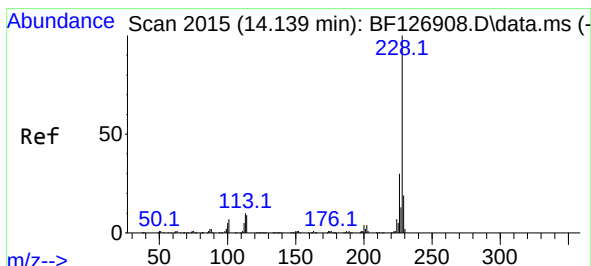
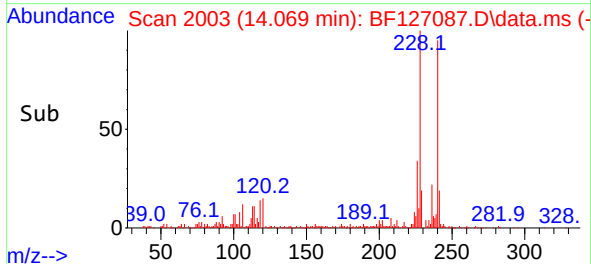
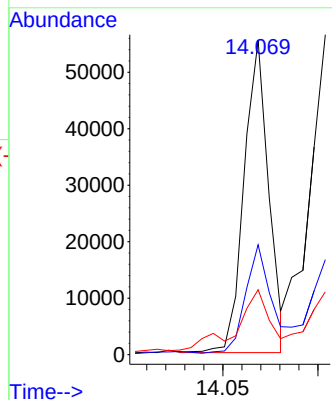
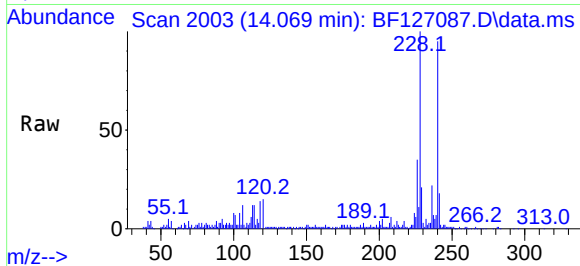
#81
Benzo(a)anthracene
Concen: 3.730 ng m
RT: 14.069 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :
BNA_F
ClientSampleId :
OR-03-022422

Tgt Ion:228 Resp: 4965
Ion Ratio Lower Upper
228 100
226 34.9 21.4 32.0
229 20.7 15.4 23.2

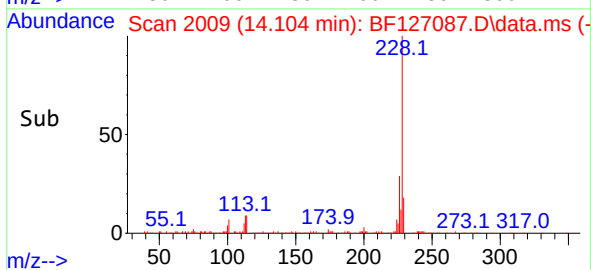
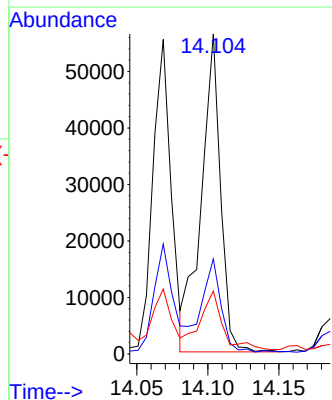
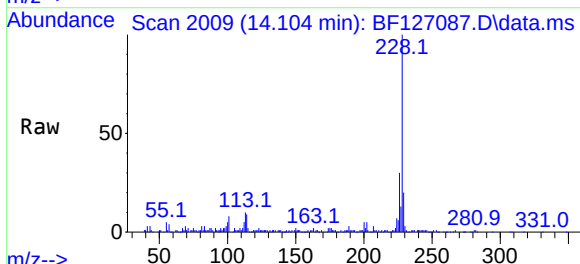
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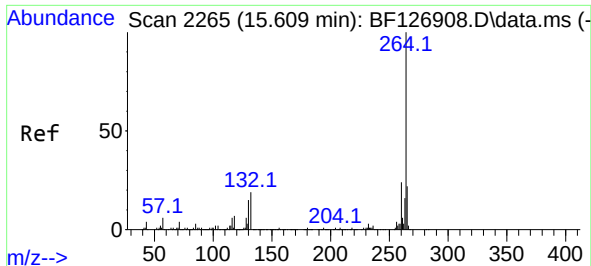
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022



#83
Chrysene
Concen: 4.274 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Tgt Ion:228 Resp: 53499
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 19.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :

BNA_F

ClientSampleId :

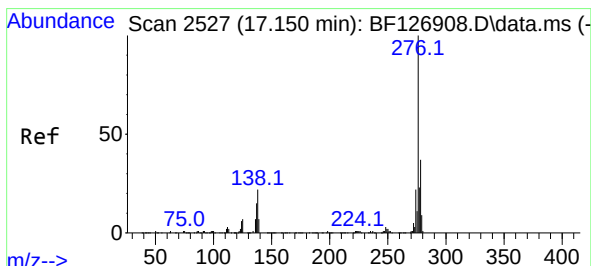
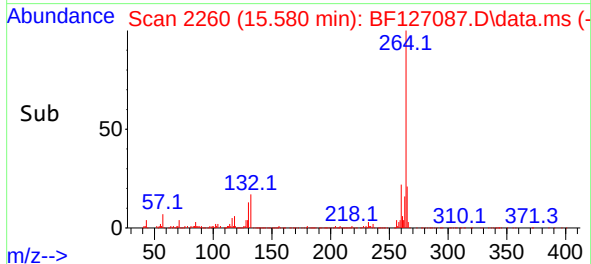
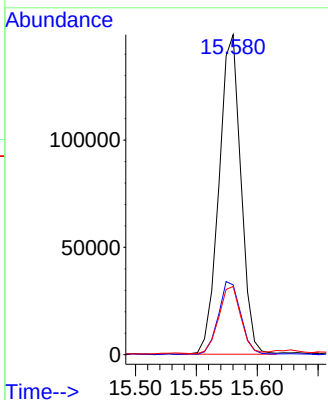
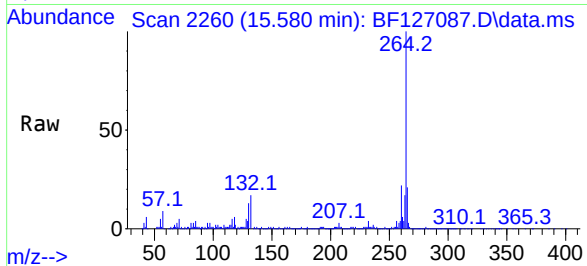
OR-03-022422

Tgt Ion:264 Resp: 186640
Ion Ratio Lower Upper
264 100
260 21.8 19.2 28.8
265 21.3 17.4 26.2

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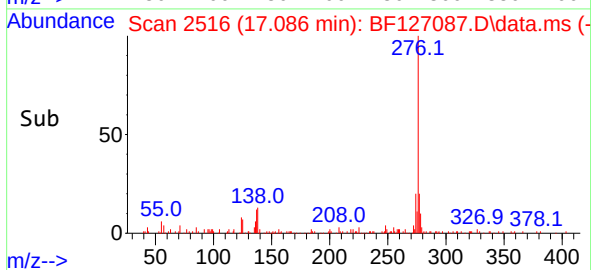
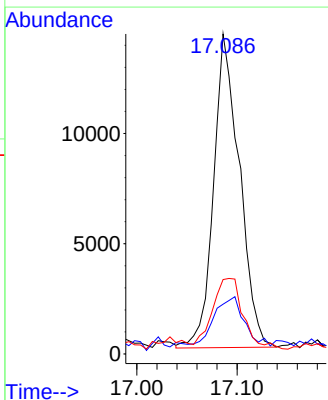
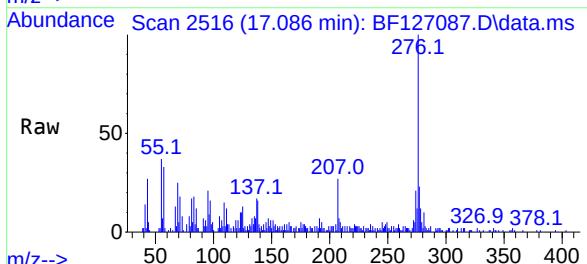
APPROVED

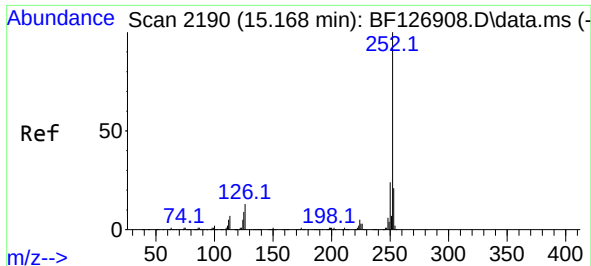
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.089 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.029 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

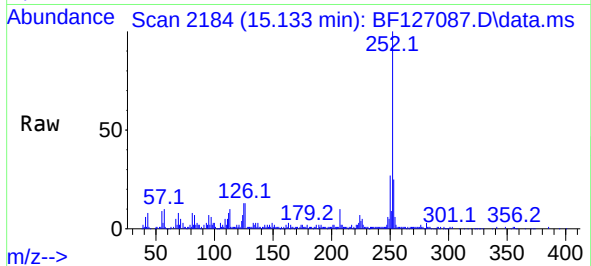
Tgt Ion:276 Resp: 25564
Ion Ratio Lower Upper
276 100
138 19.0 29.2 43.8#
277 26.8 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 5.400 ng m
RT: 15.133 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

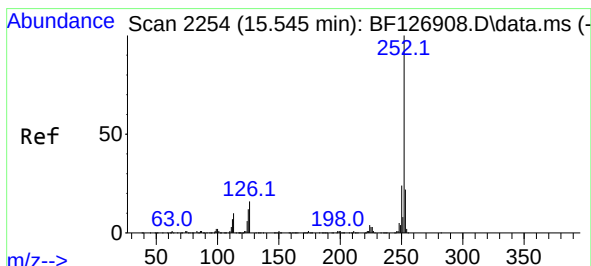
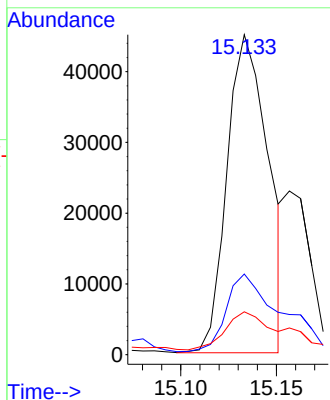
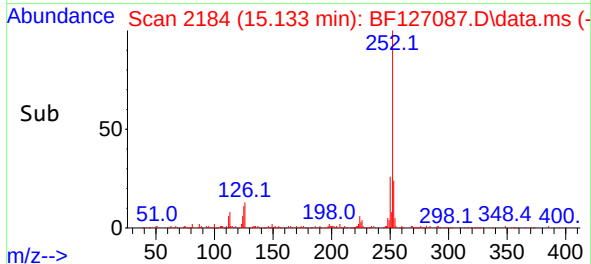
Instrument :
BNA_F
ClientSampleId :
OR-03-022422



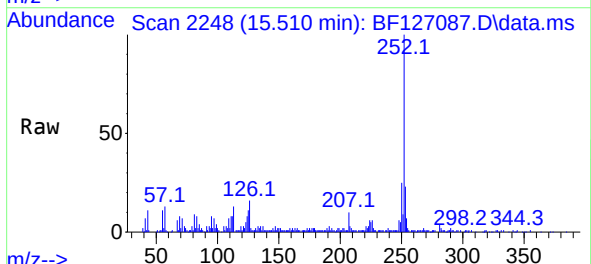
Tgt Ion:252 Resp: 6768
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.8
125 13.4 12.4 18.6

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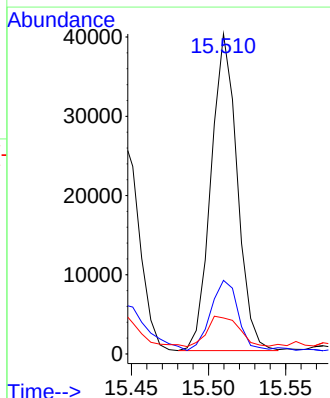
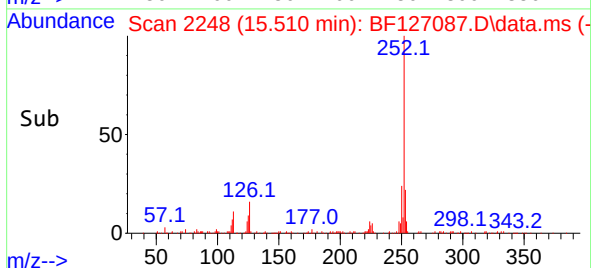
Reviewed By :Christian Giraldo 02/28/2022
Supervised By :Jagrut Upadhyay 02/28/2022

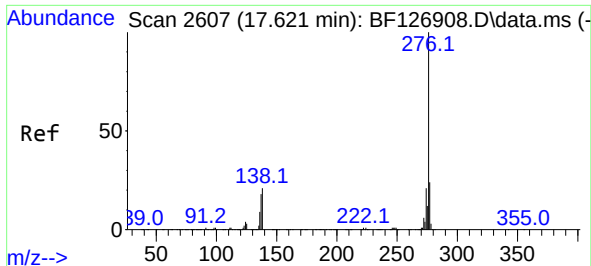


#90
Benzo(a)pyrene
Concen: 4.828 ng m
RT: 15.510 min Scan# 2248
Delta R.T. -0.012 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53



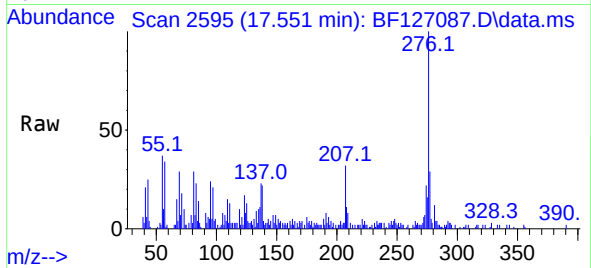
Tgt Ion:252 Resp: 47277
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 11.2 13.0 19.6#





#92
Benzo(g,h,i)perylene
Concen: 2.396 ng
RT: 17.551 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF127087.D
Acq: 25 Feb 2022 22:53

Instrument :
BNA_F
ClientSampleId :
OR-03-022422



Tgt Ion: 276 Resp: 2391

Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.5	27.7
138	21.7	25.9	38.9

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/28/2022
Supervised By : Jagrut Upadhyay 02/28/2022

