

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
 Data File : BF127264.D
 Acq On : 08 Mar 2022 18:00
 Operator : CG\JU
 Sample : N1830-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11977

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/09/2022
 Supervised By : Jagrut Upadhyay 03/09/2022

Quant Time: Mar 09 01:19:27 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	97760	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	362066	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	166405	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	237391	20.000	ng	# 0.00
76) Chrysene-d12	14.062	240	169858	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	137566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	223252	35.296	ng	0.00
7) Phenol-d6	6.510	99	272883	31.973	ng	0.00
23) Nitrobenzene-d5	7.439	82	202576	25.254	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	52197	27.244	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	329493	29.150	ng	0.00
79) Terphenyl-d14	12.998	244	241951	20.940	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	64095	4.824	ng	98
75) Fluoranthene	12.627	202	94677	7.504	ng	95
78) Pyrene	12.857	202	84251	5.709	ng	99
81) Benzo(a)anthracene	14.051	228	51533	4.500	ng	97
83) Chrysene	14.086	228	49107m	4.560	ng	
87) Indeno(1,2,3-cd)pyrene	17.062	276	21531	2.387	ng	# 83
88) Benzo(b)fluoranthene	15.109	252	64057m	6.933	ng	
90) Benzo(a)pyrene	15.486	252	41230m	5.713	ng	
92) Benzo(g,h,i)perylene	17.521	276	19967	2.715	ng	# 80

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

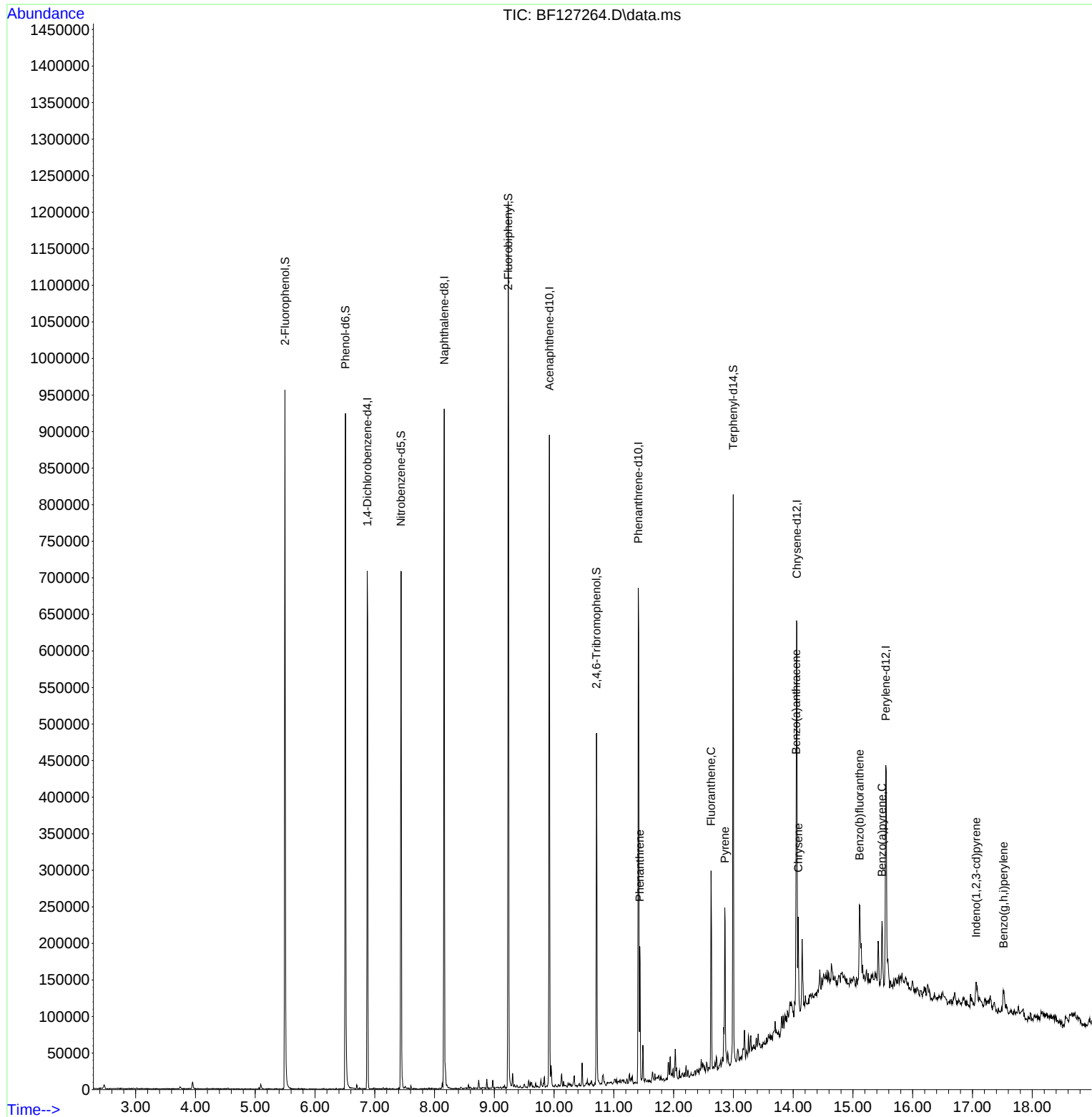
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030822\
Data File : BF127264.D
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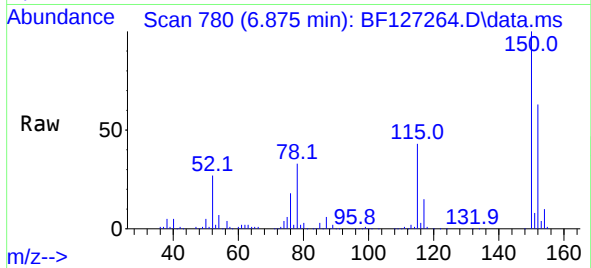
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

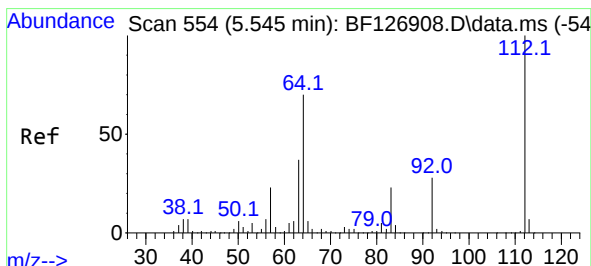
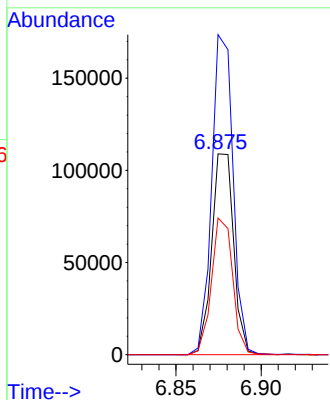
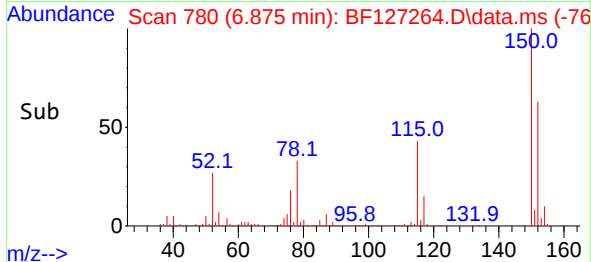
Instrument :
BNA_F
ClientSampleId :
11977



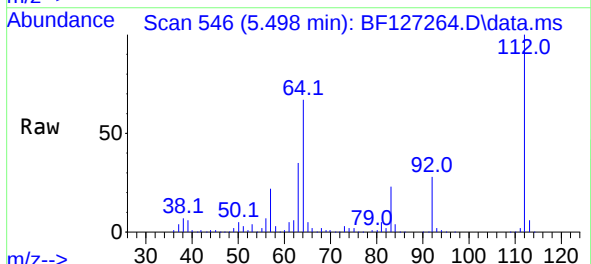
Tgt Ion:152 Resp: 97760
Ion Ratio Lower Upper
152 100
150 159.3 128.1 192.1
115 68.0 56.7 85.1

Manual Integrations
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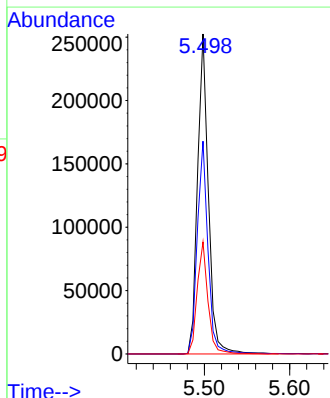
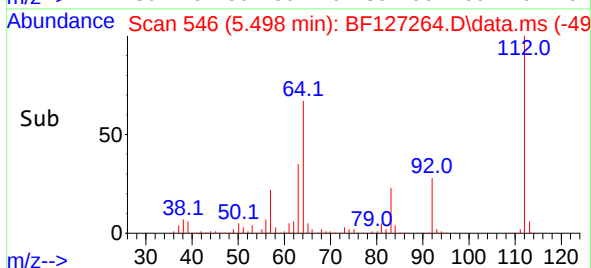
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#5
2-Fluorophenol
Concen: 35.296 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



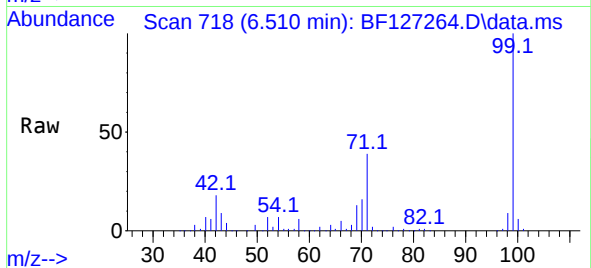
Tgt Ion:112 Resp: 223252
Ion Ratio Lower Upper
112 100
64 66.5 49.5 74.3
63 35.0 23.9 35.9





#7
Phenol-d6
Concen: 31.973 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

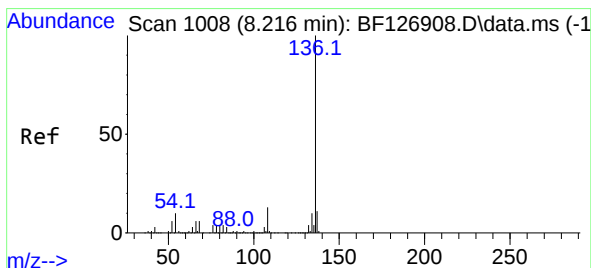
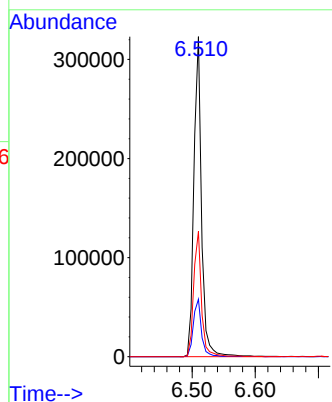
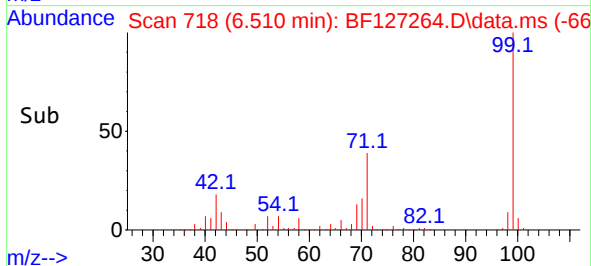
Instrument :
BNA_F
ClientSampleId :
11977



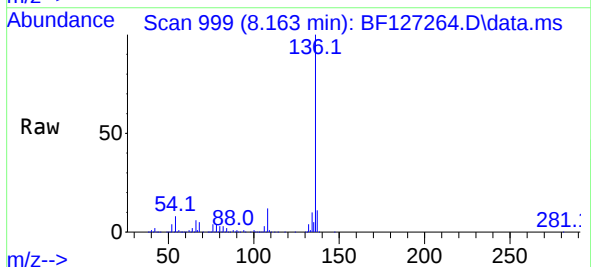
Tgt Ion: 99 Resp: 27288
Ion Ratio Lower Upper
99 100
42 17.9 14.2 21.4
71 39.1 24.3 36.5

Manual Integrations
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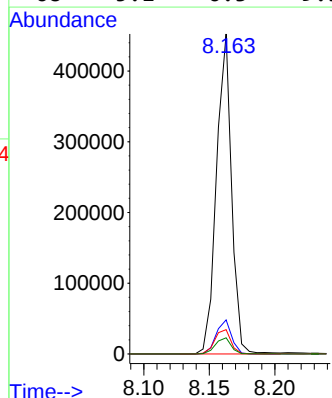
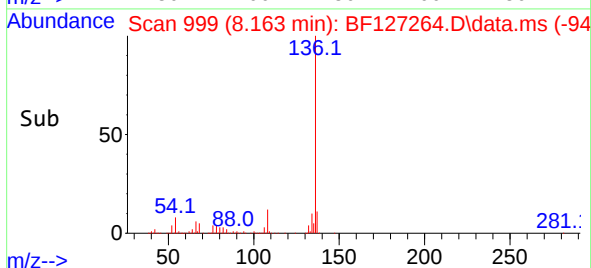
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



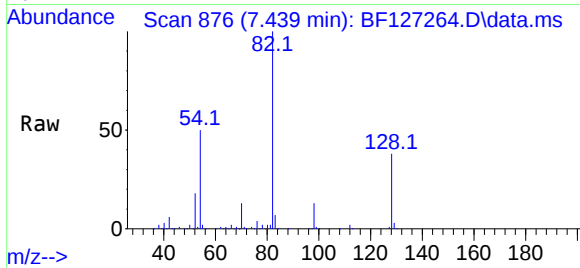
Tgt Ion:136 Resp: 362066
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.6 7.8 11.6#
68 5.1 6.3 9.5#





#23
Nitrobenzene-d5
Concen: 25.254 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

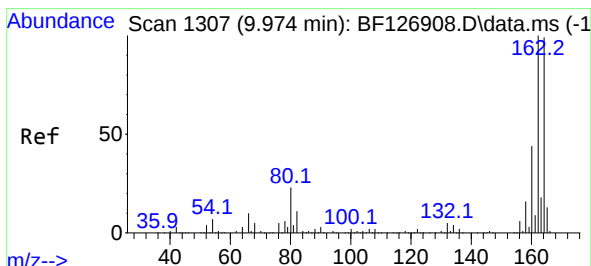
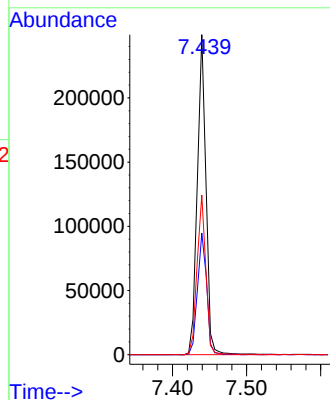
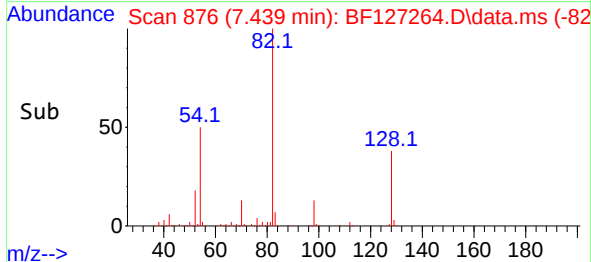
Instrument :
BNA_F
ClientSampleId :
11977



Tgt Ion: 82 Resp: 202570
Ion Ratio Lower Upper
82 100
128 38.0 32.7 49.1
54 49.8 41.7 62.5

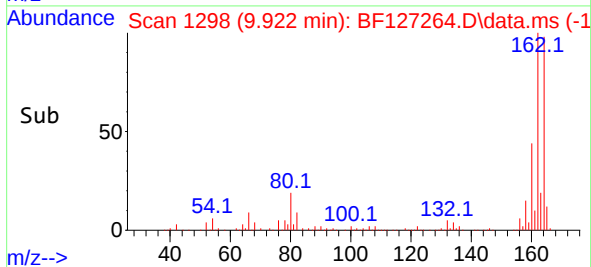
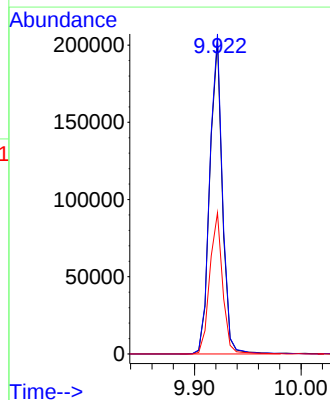
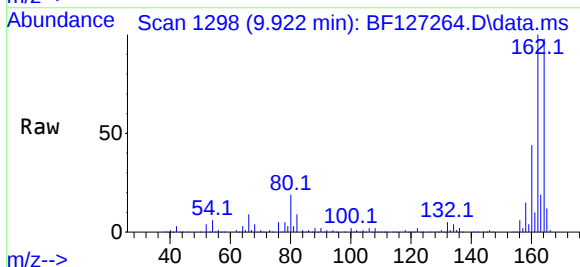
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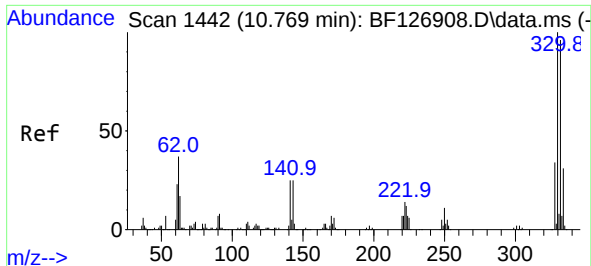
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Tgt Ion:164 Resp: 166405
Ion Ratio Lower Upper
164 100
162 102.2 81.4 122.0
160 45.1 36.6 54.8





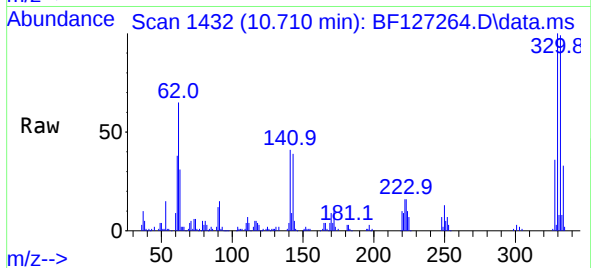
#42
2,4,6-Tribromophenol
Concen: 27.244 ng
RT: 10.710 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Instrument :

BNA_F

ClientSampleId :

11977



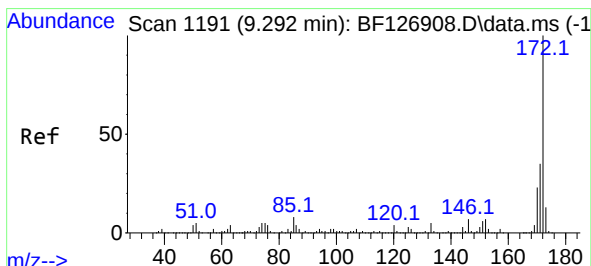
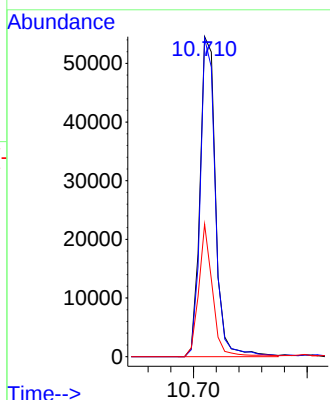
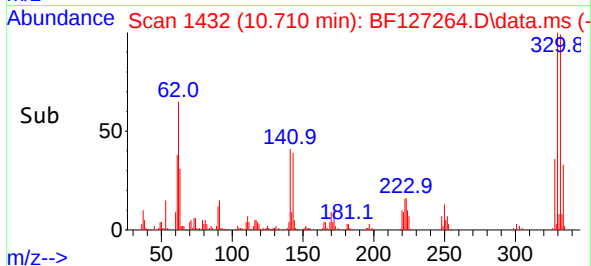
Tgt Ion:330 Resp: 52197
Ion Ratio Lower Upper
330 100
332 96.3 76.0 114.0
141 36.7 30.1 45.1

Manual Integrations

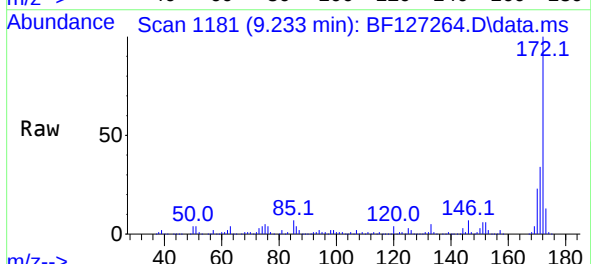
APPROVED

Reviewed By :Christian Giraldo 03/09/2022

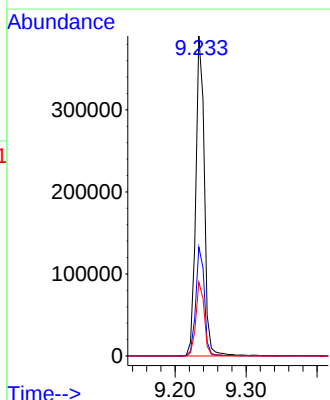
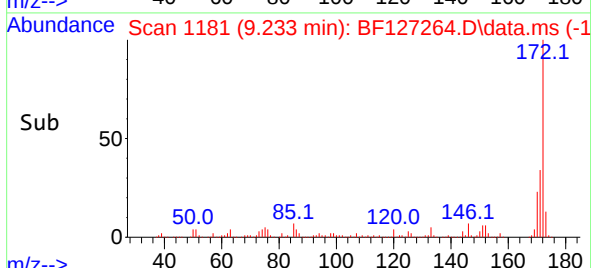
Supervised By :Jagrut Upadhyay 03/09/2022



#45
2-Fluorobiphenyl
Concen: 29.150 ng
RT: 9.233 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



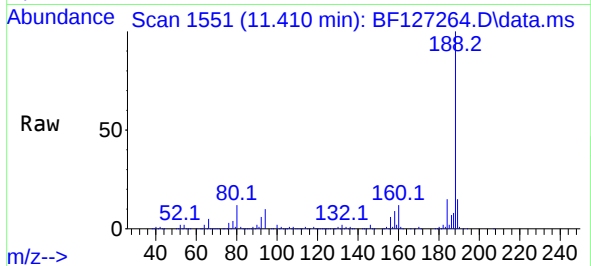
Tgt Ion:172 Resp: 329493
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11977
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

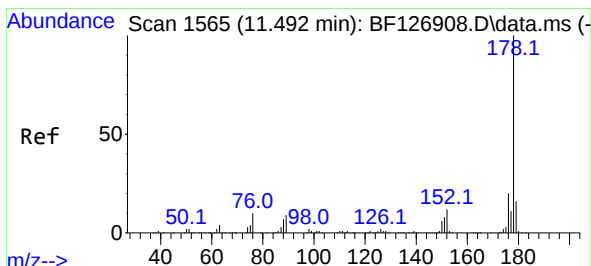
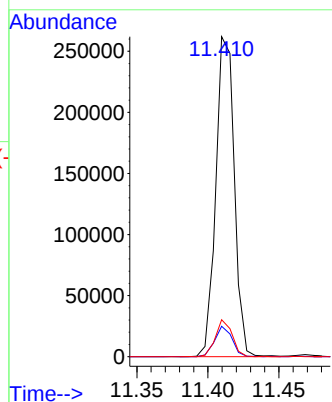
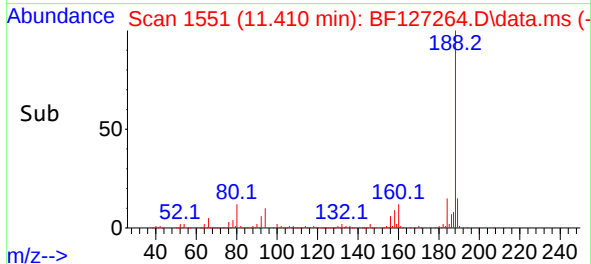
Instrument :
BNA_F
ClientSampleId :
11977



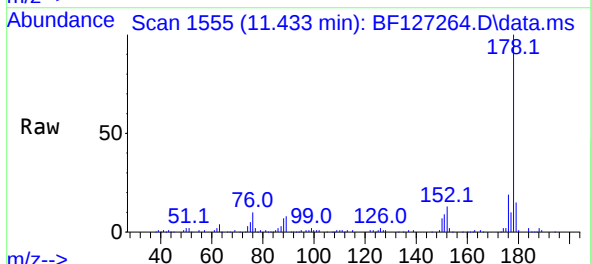
Tgt Ion:188 Resp: 23739
Ion Ratio Lower Upper
188 100
94 9.5 10.1 15.1
80 11.6 11.8 17.6

Manual Integrations
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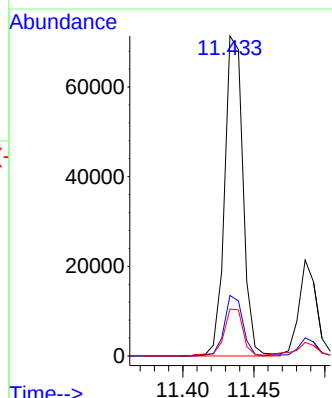
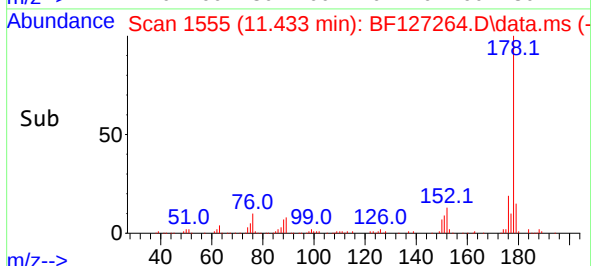
Reviewed By :Christian Giraldo 03/09/2022
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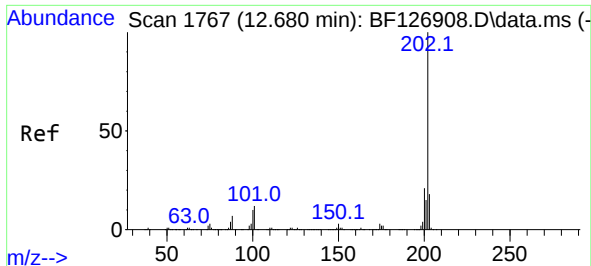


#71
Phenanthrene
Concen: 4.824 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



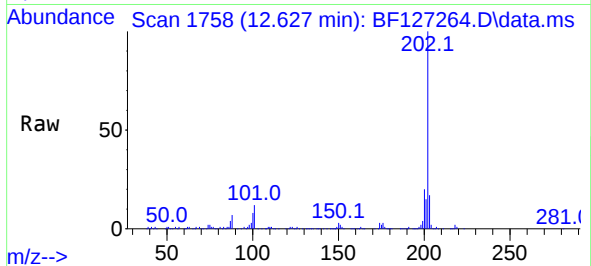
Tgt Ion:178 Resp: 64095
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.7 12.3 18.5





#75
Fluoranthene
Concen: 7.504 ng
RT: 12.627 min Scan# 11977
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

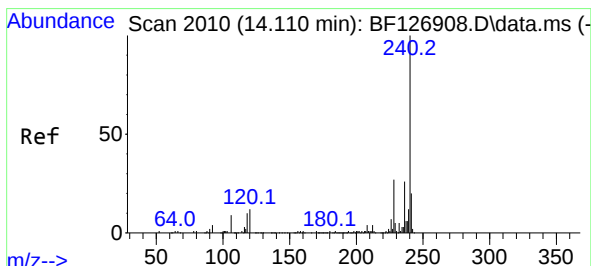
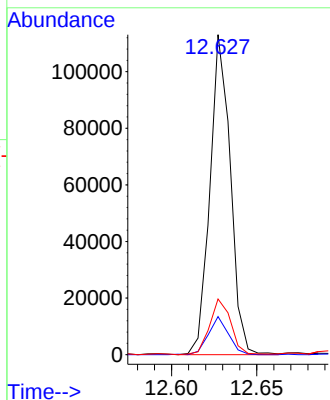
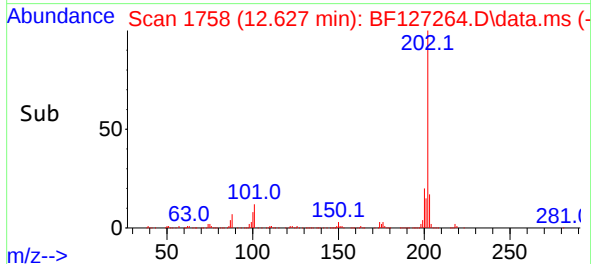
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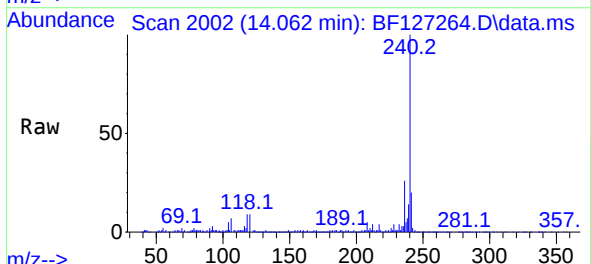
Tgt Ion:202 Resp: 9467
Ion Ratio Lower Upper
202 100
101 11.9 0.0 35.7
203 17.4 0.0 37.1

Manual Integrations
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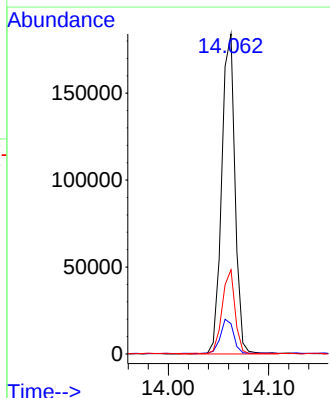
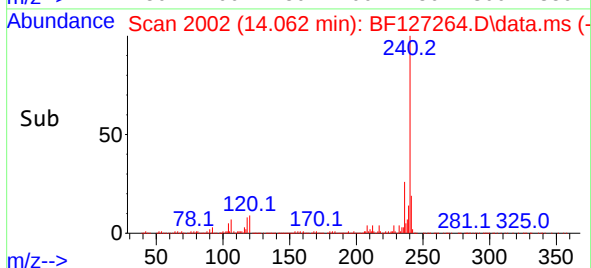
Reviewed By :Christian Giraldo 03/09/2022
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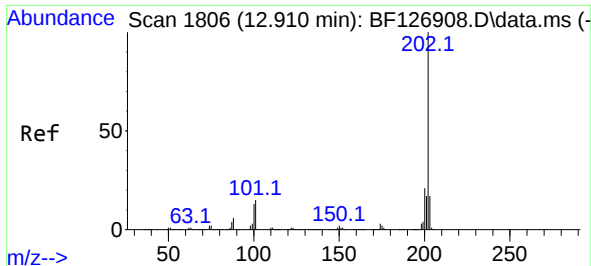


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



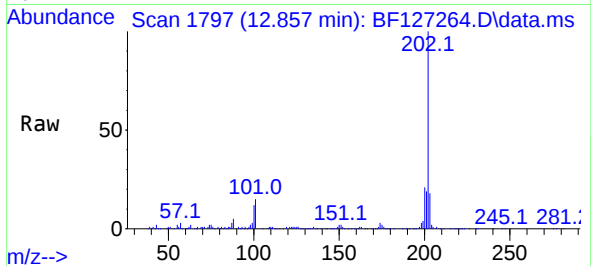
Tgt Ion:240 Resp: 169858
Ion Ratio Lower Upper
240 100
120 9.4 14.4 21.6#
236 26.3 20.5 30.7





#78
Pyrene
Concen: 5.709 ng
RT: 12.857 min Scan# 11977
Delta R.T. -0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

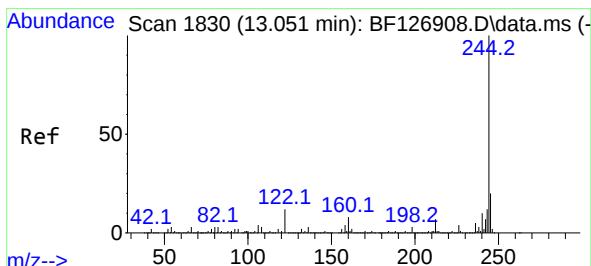
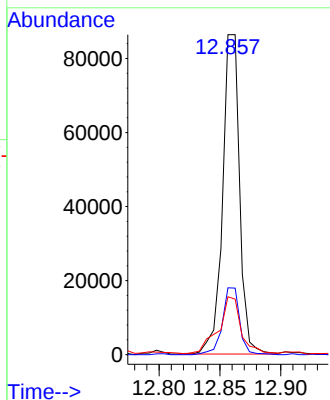
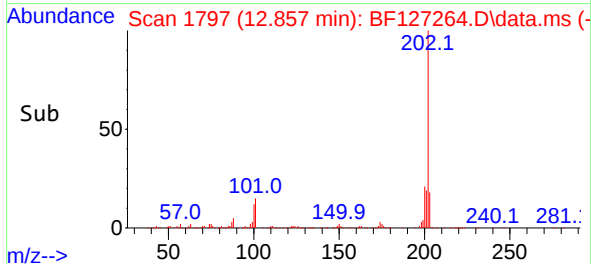
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11977



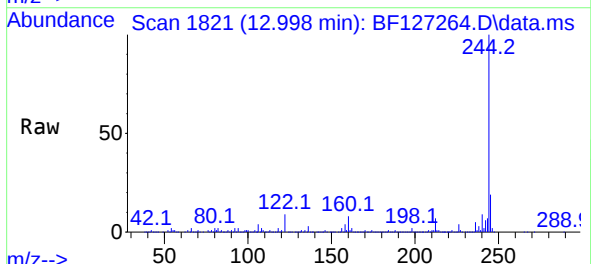
Tgt Ion:202 Resp: 8425
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 18.1 13.8 20.8

Manual Integrations
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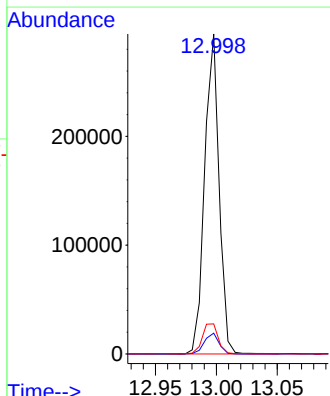
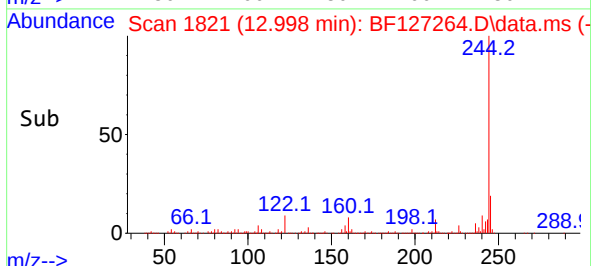
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

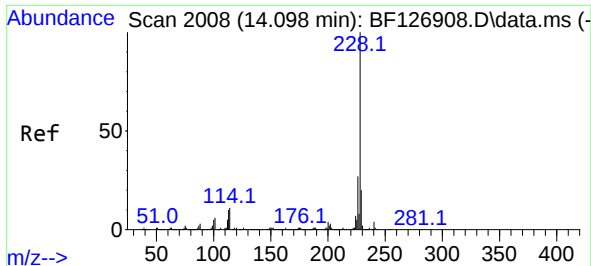


#79
Terphenyl-d14
Concen: 20.940 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



Tgt Ion:244 Resp: 241951
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 9.4 13.3 19.9#





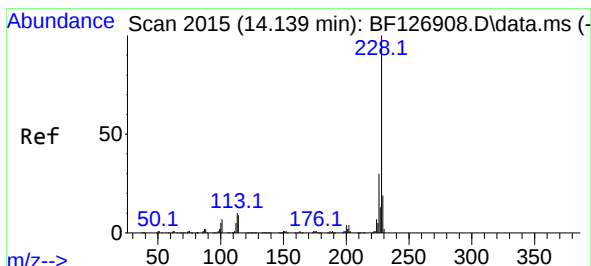
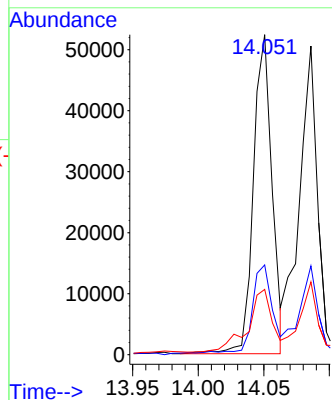
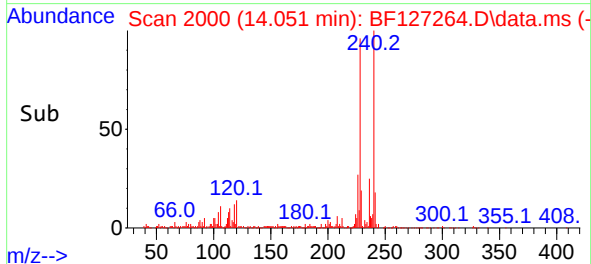
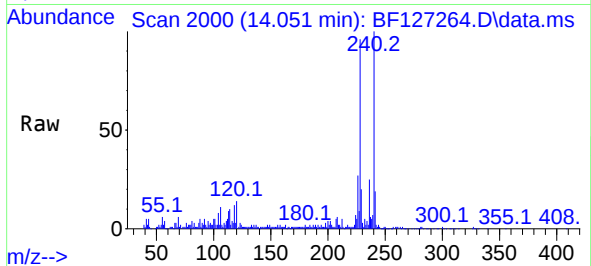
#81
Benzo(a)anthracene
Concen: 4.500 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

Instrument :
BNA_F
ClientSampleId :
11977

Tgt Ion:228 Resp: 5153
Ion Ratio Lower Upper
228 100
226 28.1 21.4 32.0
229 20.4 15.4 23.2

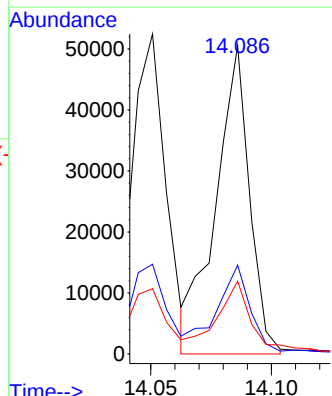
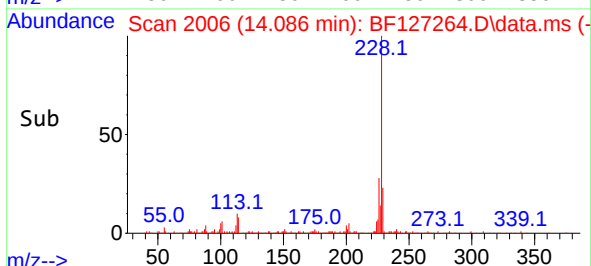
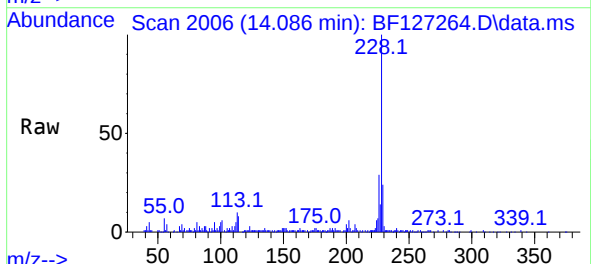
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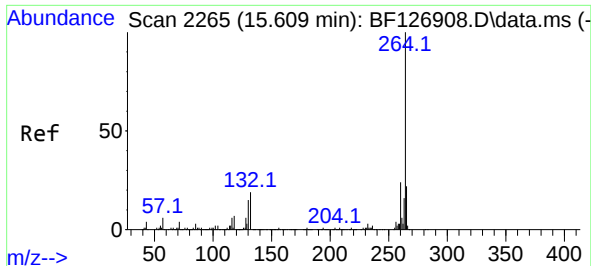
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022



#83
Chrysene
Concen: 4.560 ng m
RT: 14.086 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

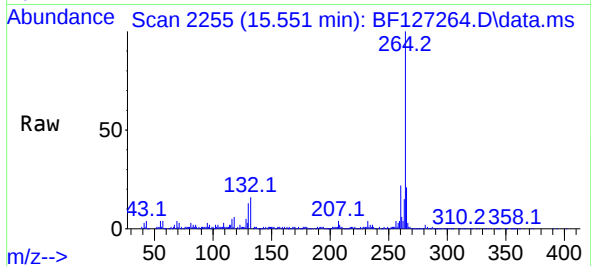
Tgt Ion:228 Resp: 49107
Ion Ratio Lower Upper
228 100
226 28.8 23.7 35.5
229 23.6 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 211977
Delta R.T. 0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

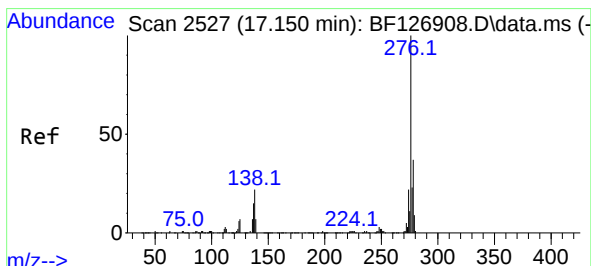
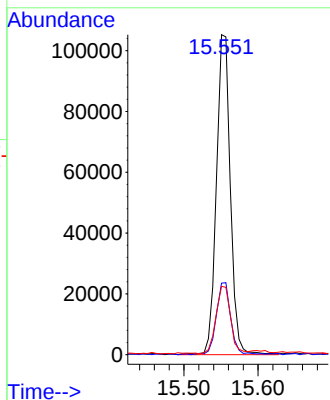
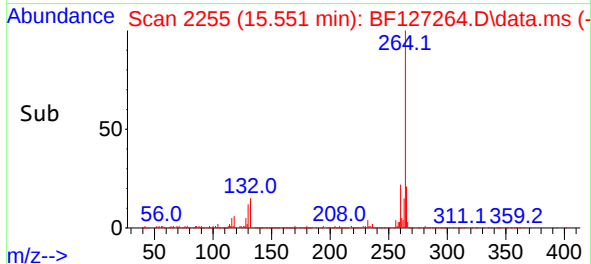
Instrument :
BNA_F
ClientSampleId :
11977



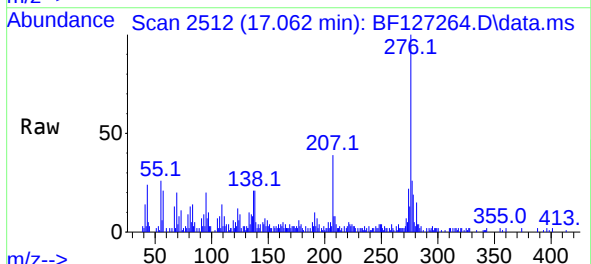
Tgt Ion:264 Resp: 137560
Ion Ratio Lower Upper
264 100
260 22.3 19.2 28.8
265 21.3 17.4 26.2

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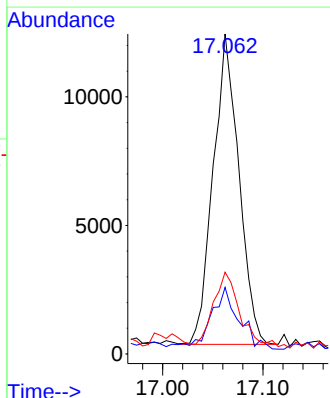
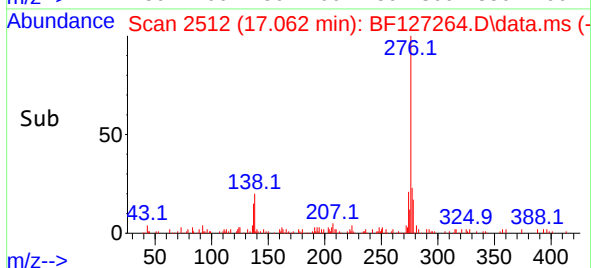
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

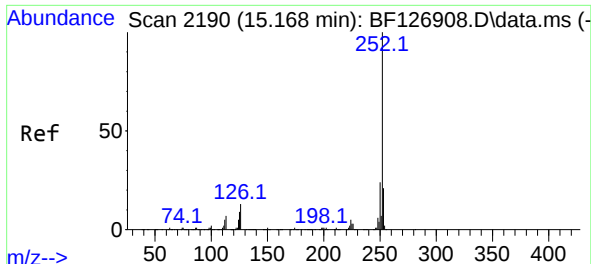


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.387 ng
RT: 17.062 min Scan# 2512
Delta R.T. 0.006 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



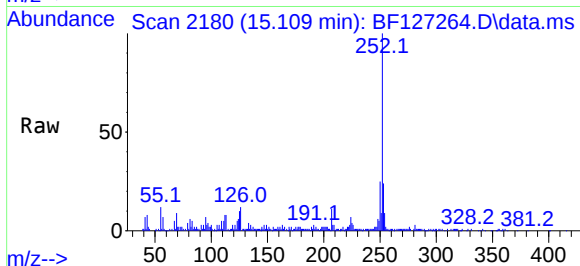
Tgt Ion:276 Resp: 21531
Ion Ratio Lower Upper
276 100
138 21.0 29.2 43.8#
277 26.1 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 6.933 ng m
RT: 15.109 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00

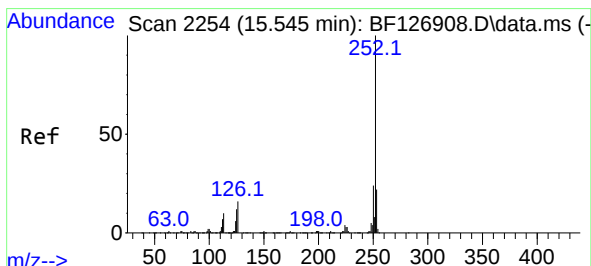
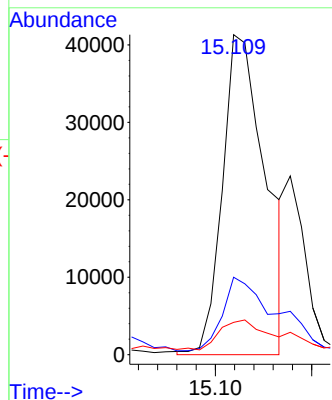
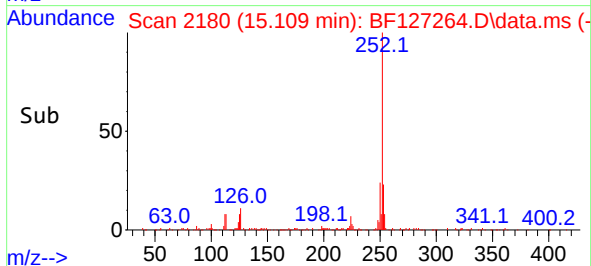
Instrument :
BNA_F
ClientSampleId :
11977



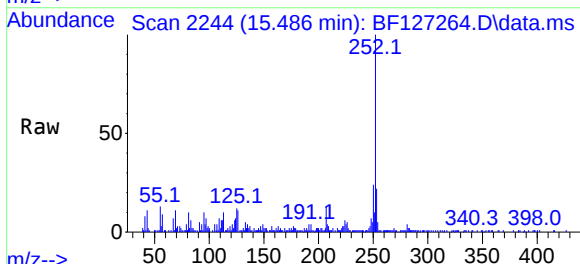
Tgt Ion:252 Resp: 6405
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 10.1 12.4 18.6

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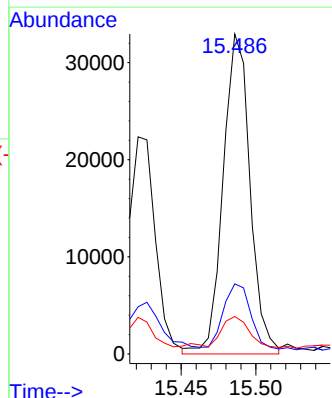
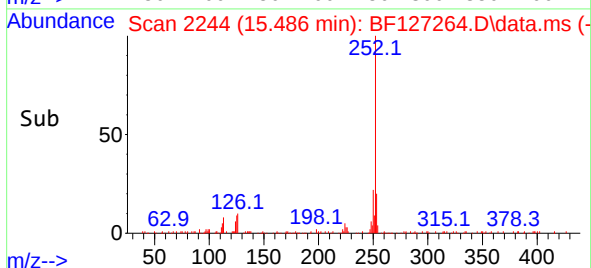
Reviewed By :Christian Giraldo 03/09/2022
Supervised By :Jagrut Upadhyay 03/09/2022

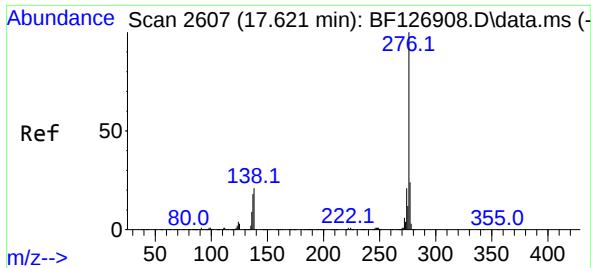


#90
Benzo(a)pyrene
Concen: 5.713 ng m
RT: 15.486 min Scan# 2244
Delta R.T. -0.000 min
Lab File: BF127264.D
Acq: 08 Mar 2022 18:00



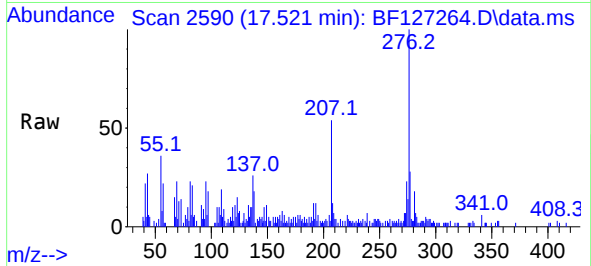
Tgt Ion:252 Resp: 41230
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 11.7 13.0 19.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.715 ng
 RT: 17.521 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF127264.D
 Acq: 08 Mar 2022 18:00

Instrument :
 BNA_F
 ClientSampleId :
 11977



Tgt Ion:	276	Resp:	1996
Ion Ratio	Lower	Upper	
276	100		
277	28.1	18.5	27.7
138	17.6	25.9	38.9

Manual Integrations
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Reviewed By :Christian Giraldo 03/09/2022
 Supervised By :Jagrut Upadhyay 03/09/2022

