

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
 Data File : BF127180.D
 Acq On : 03 Mar 2022 19:31
 Operator : CG\JU
 Sample : N1751-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUM-16

Quant Time: Mar 04 02:14:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 23:57:09 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 03/04/2022
 Supervised By :Jagrut Upadhyay 03/04/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	93662	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	372222	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	191037	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	338369	20.000	ng	# 0.00
76) Chrysene-d12	14.069	240	178531	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	173890	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	543335	89.659	ng	0.00
7) Phenol-d6	6.522	99	722433	88.348	ng	0.00
23) Nitrobenzene-d5	7.451	82	487622	59.131	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	218500	99.339	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	819388	63.143	ng	0.00
79) Terphenyl-d14	13.010	244	826973	68.094	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	112096	5.919	ng	99
75) Fluoranthene	12.633	202	164123	9.127	ng	93
78) Pyrene	12.869	202	136977	8.831	ng	99
81) Benzo(a)anthracene	14.057	228	46741	3.883	ng	98
83) Chrysene	14.092	228	53657	4.741	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	28598	2.508	ng	# 86
88) Benzo(b)fluoranthene	15.116	252	57364m	4.912	ng	
90) Benzo(a)pyrene	15.492	252	39886	4.372	ng	# 94
92) Benzo(g,h,i)perylene	17.521	276	26461	2.846	ng	# 83

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

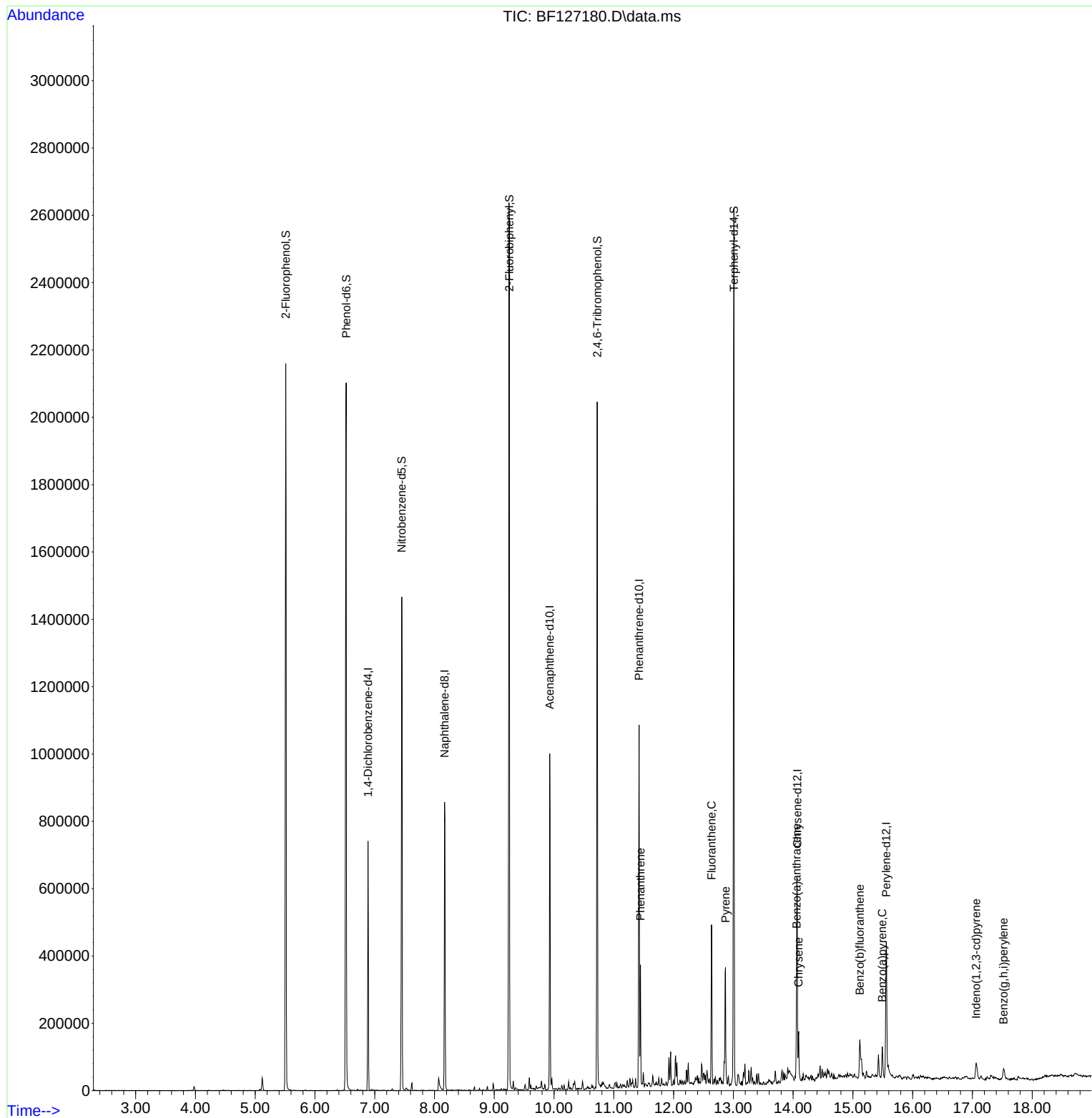
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030322\
Data File : BF127180.D
Acq On : 03 Mar 2022 19:31
Operator : CG\JU
Sample : N1751-11
Misc :
ALS Vial : 11 Sample Multiplier: 1

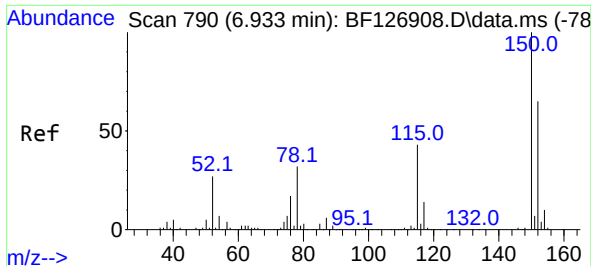
Instrument :
BNA_F
ClientSampleId :
DUM-16

Quant Time: Mar 04 02:14:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 01 23:57:09 2022
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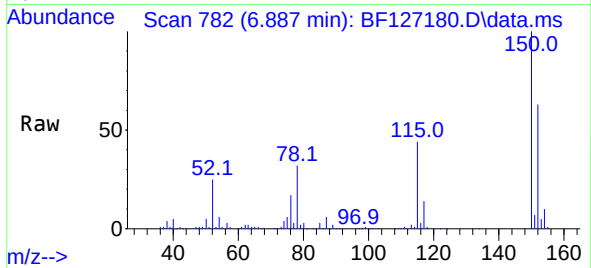
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

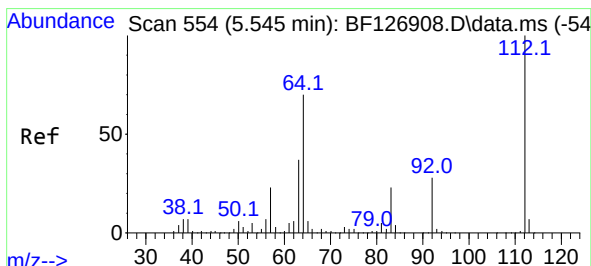
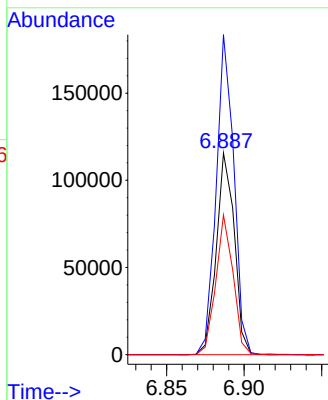
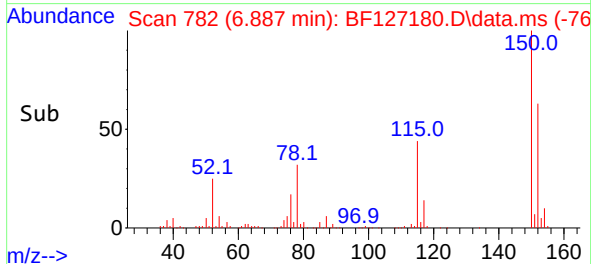
Instrument :
BNA_F
ClientSampleId :
DUM-16



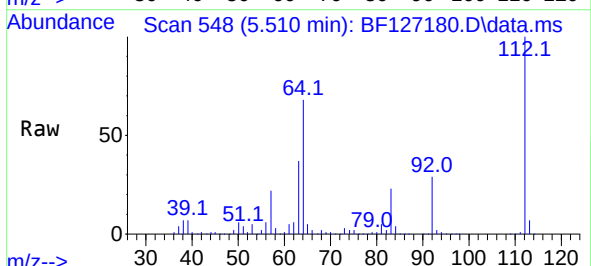
Tgt Ion:152 Resp: 93662
Ion Ratio Lower Upper
152 100
150 158.6 128.1 192.1
115 69.2 56.7 85.1

Manual Integrations
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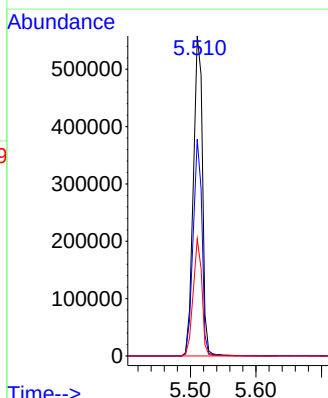
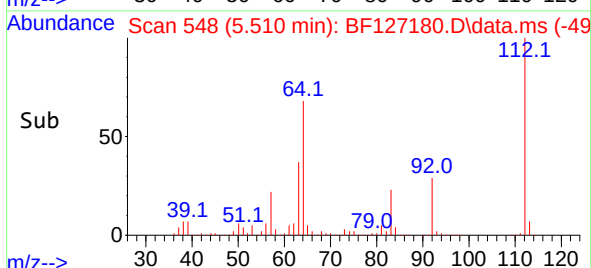
Reviewed By :Christian Giraldo 03/04/2022
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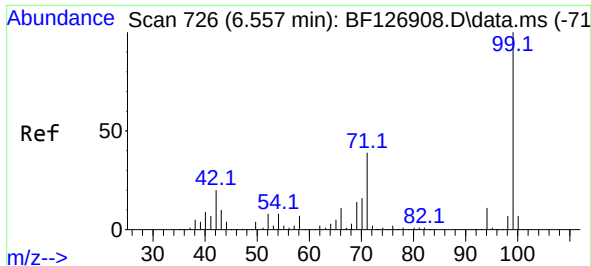


#5
2-Fluorophenol
Concen: 89.659 ng
RT: 5.510 min Scan# 548
Delta R.T. 0.000 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



Tgt Ion:112 Resp: 543335
Ion Ratio Lower Upper
112 100
64 67.7 49.5 74.3
63 36.6 23.9 35.9





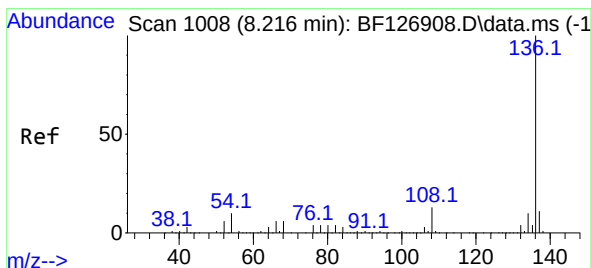
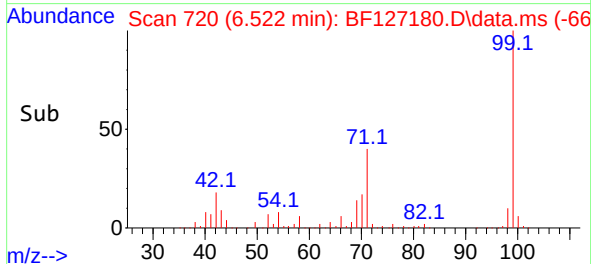
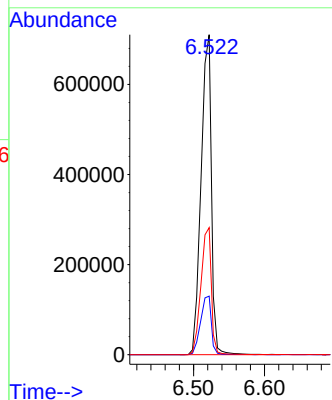
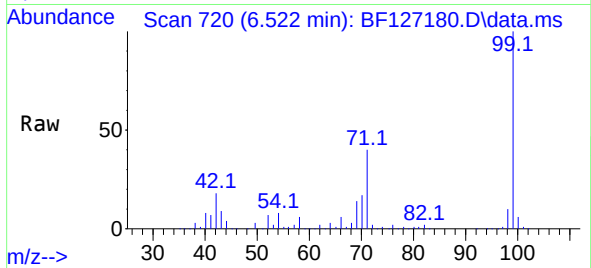
#7
Phenol-d6
Concen: 88.348 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

Instrument :
BNA_F
ClientSampleId :
DUM-16

Tgt Ion: 99 Resp: 72243
Ion Ratio Lower Upper
99 100
42 18.3 14.2 21.4
71 39.7 24.3 36.5

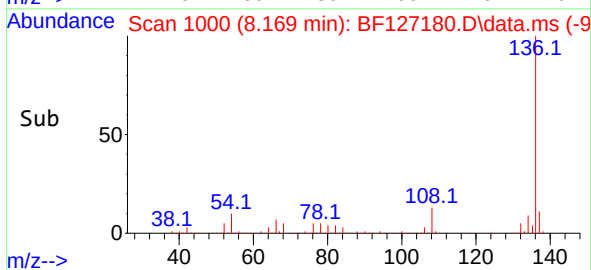
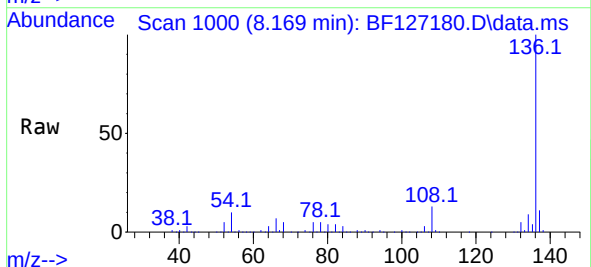
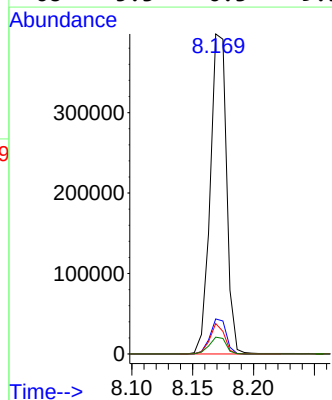
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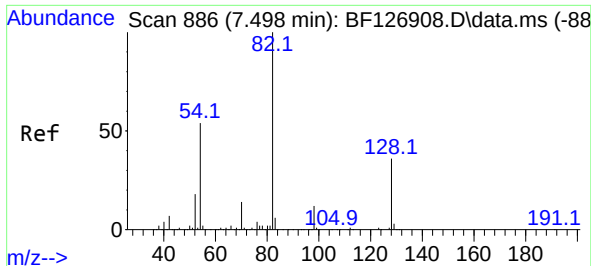
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

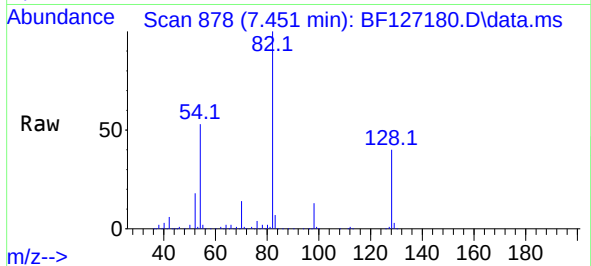
Tgt Ion:136 Resp: 372222
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 7.8 11.6
68 5.3 6.3 9.5





#23
Nitrobenzene-d5
Concen: 59.131 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

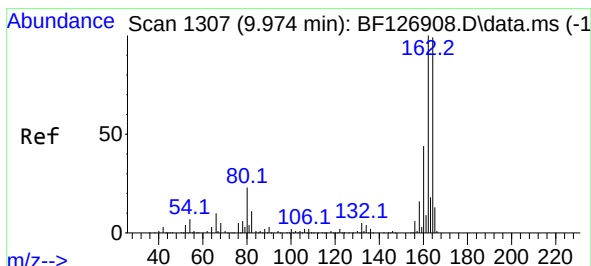
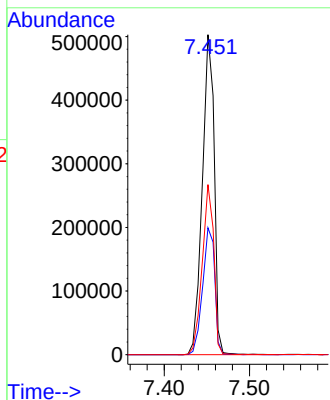
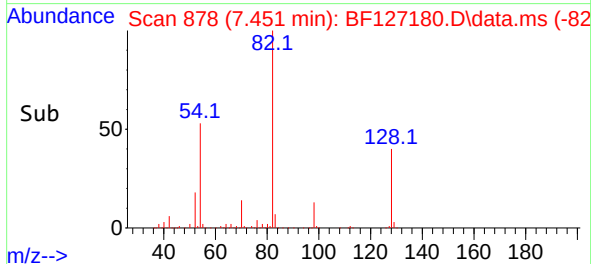
Instrument :
BNA_F
ClientSampleId :
DUM-16



Tgt Ion: 82 Resp: 48762
Ion Ratio Lower Upper
82 100
128 39.7 32.7 49.1
54 53.2 41.7 62.5

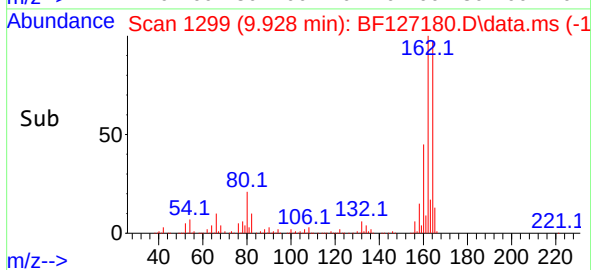
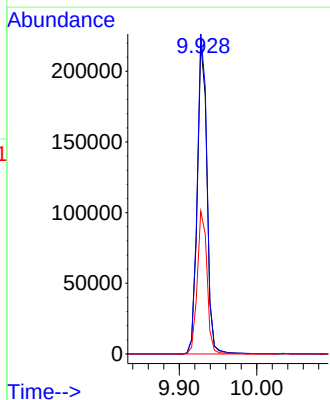
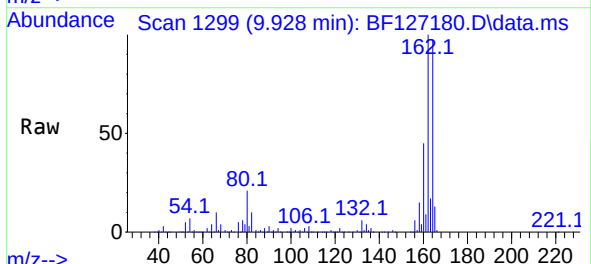
Manual Integrations
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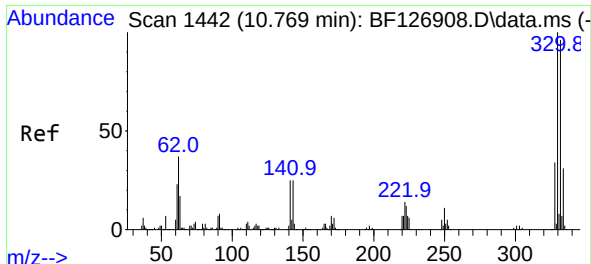
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

Tgt Ion:164 Resp: 191037
Ion Ratio Lower Upper
164 100
162 103.2 81.4 122.0
160 46.0 36.6 54.8





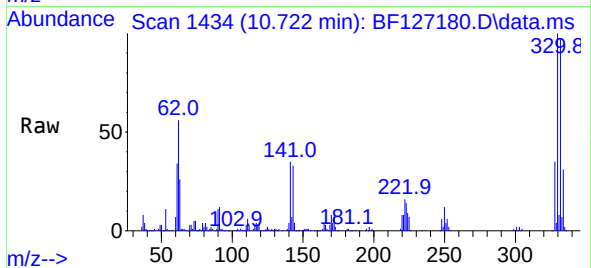
#42
2,4,6-Tribromophenol
Concen: 99.339 ng
RT: 10.722 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

Instrument :

BNA_F

ClientSampleId :

DUM-16

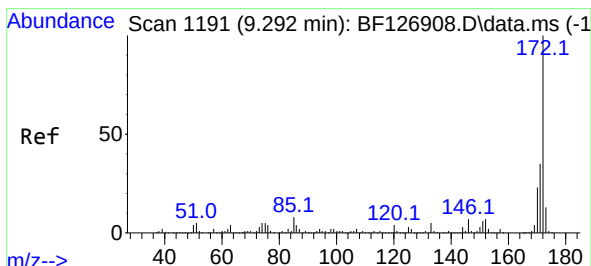
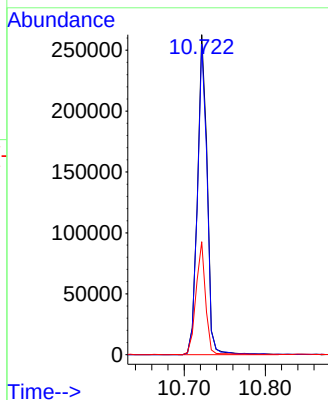
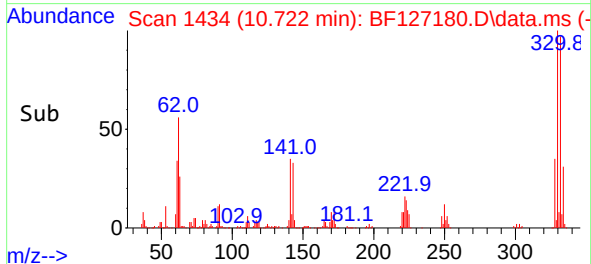


Tgt Ion:330 Resp: 218500
Ion Ratio Lower Upper
330 100
332 97.0 76.0 114.0
141 35.2 30.1 45.1

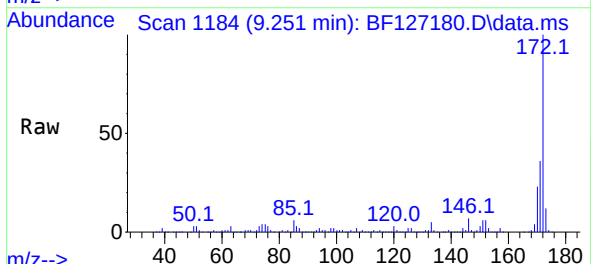
Manual Integrations

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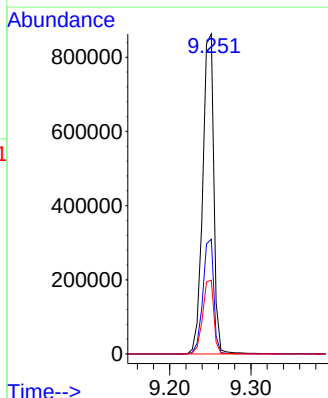
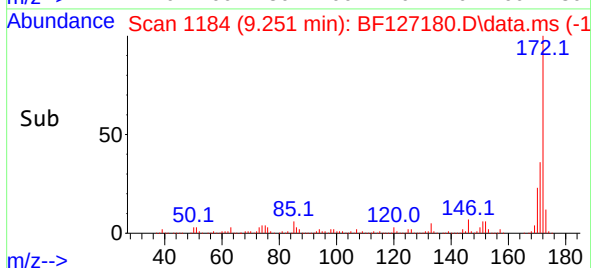
Reviewed By :Christian Giraldo 03/04/2022
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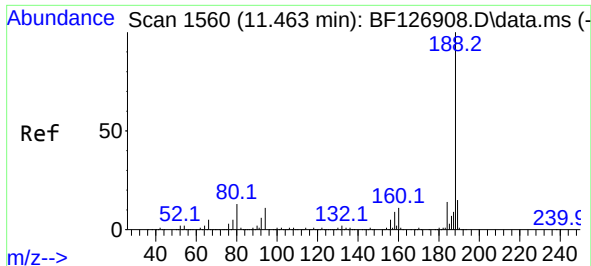


#45
2-Fluorobiphenyl
Concen: 63.143 ng
RT: 9.251 min Scan# 1184
Delta R.T. 0.000 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



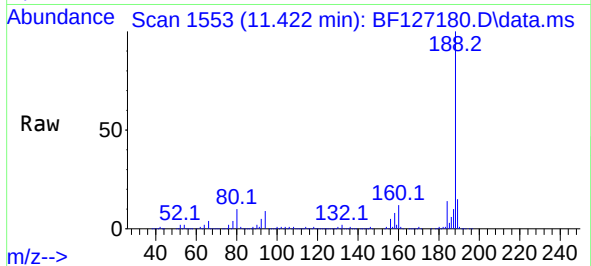
Tgt Ion:172 Resp: 819388
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.0 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

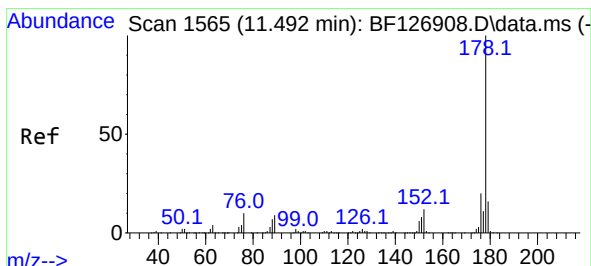
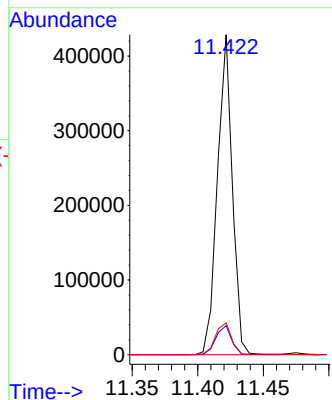
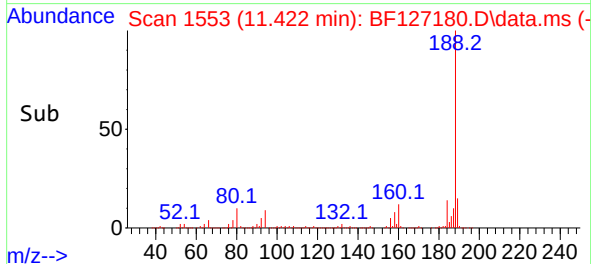
Instrument :
BNA_F
ClientSampleId :
DUM-16



Tgt Ion:188 Resp: 338369
Ion Ratio Lower Upper
188 100
94 9.1 10.1 15.1
80 10.0 11.8 17.6

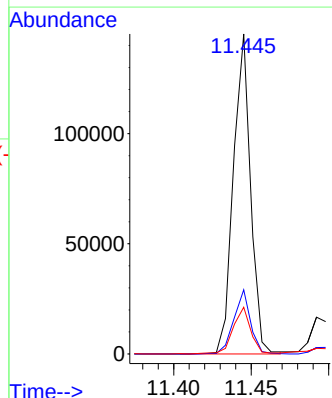
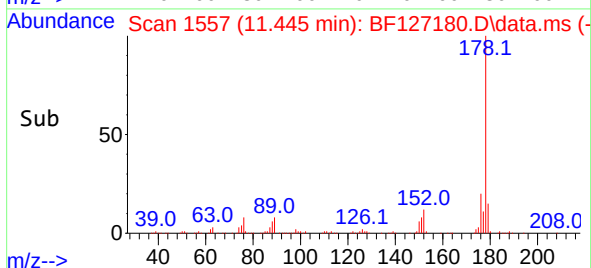
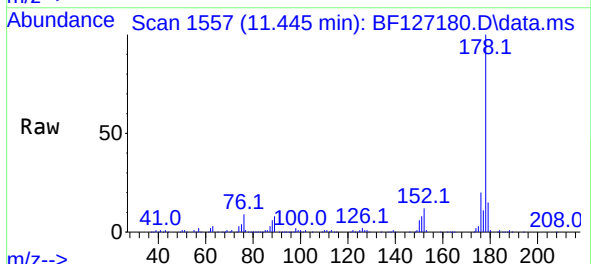
Manual Integrations
APPROVED

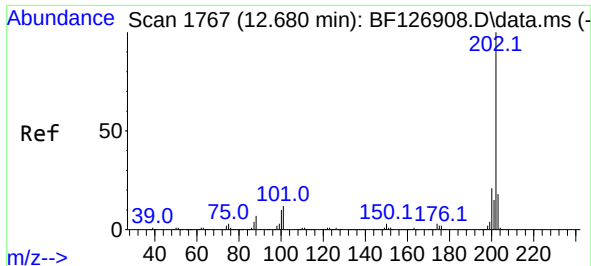
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022



#71
Phenanthrene
Concen: 5.919 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

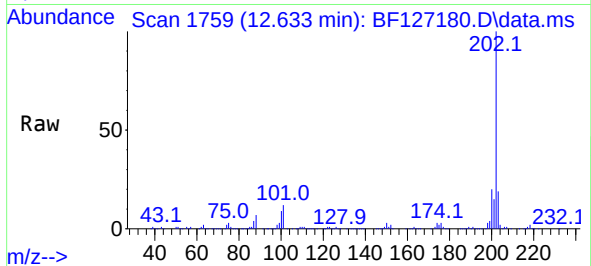
Tgt Ion:178 Resp: 112096
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 14.6 12.3 18.5





#75
Fluoranthene
Concen: 9.127 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

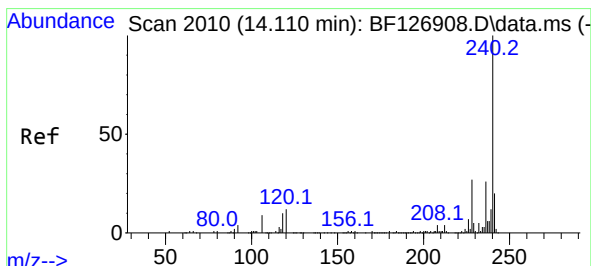
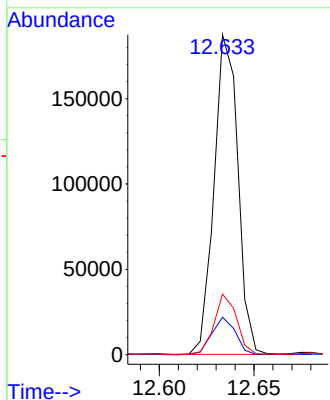
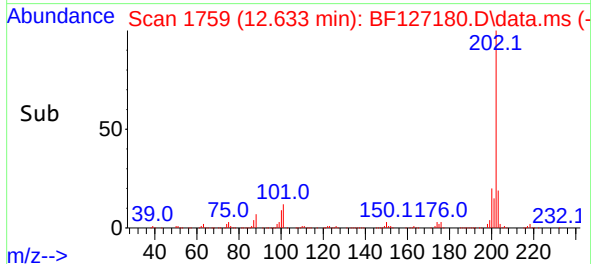
Instrument :
BNA_F
ClientSampleId :
DUM-16



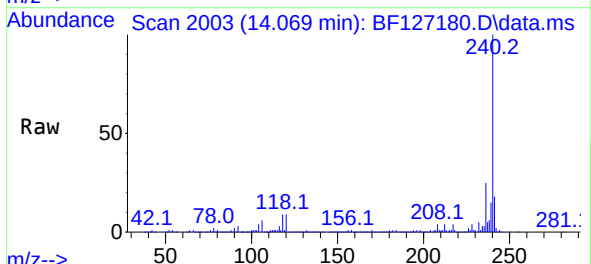
Tgt Ion:202 Resp: 16412
Ion Ratio Lower Upper
202 100
101 11.7 0.0 35.7
203 19.0 0.0 37.1

Manual Integrations
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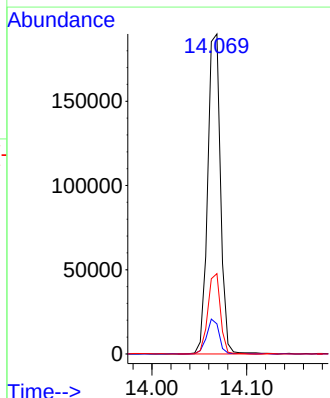
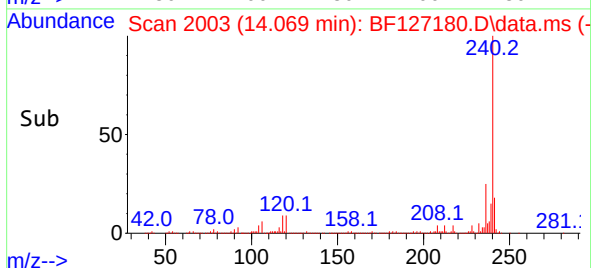
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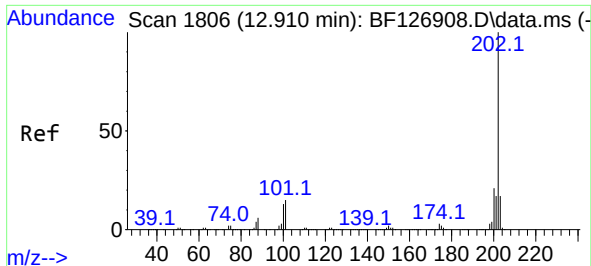


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



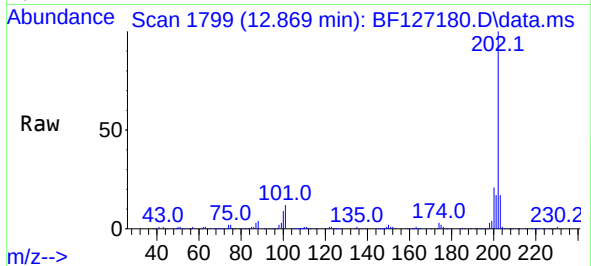
Tgt Ion:240 Resp: 178531
Ion Ratio Lower Upper
240 100
120 9.4 14.4 21.6#
236 25.1 20.5 30.7





#78
Pyrene
Concen: 8.831 ng
RT: 12.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

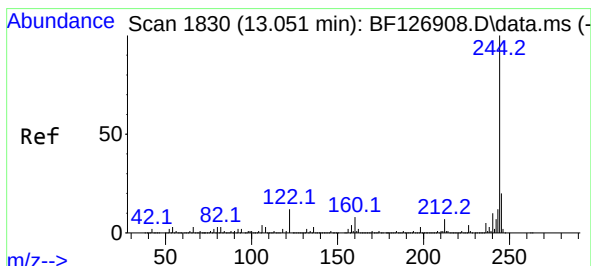
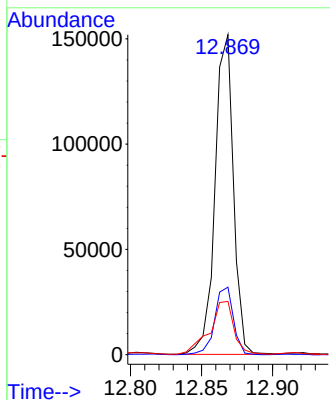
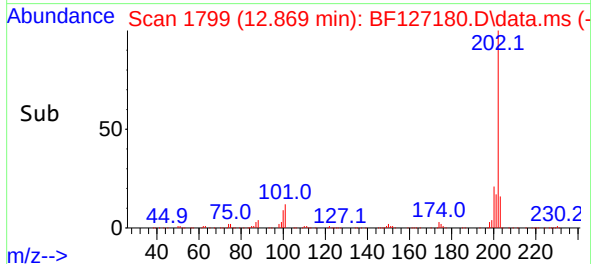
Instrument :
BNA_F
ClientSampleId :
DUM-16



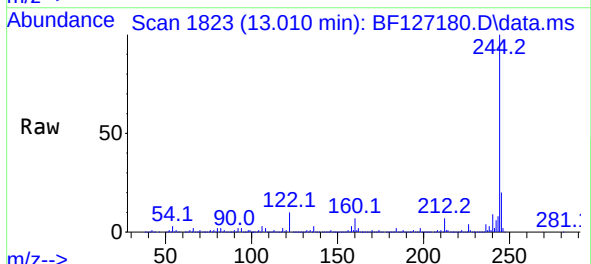
Tgt Ion:202 Resp: 13697
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 16.7 13.8 20.8

Manual Integrations
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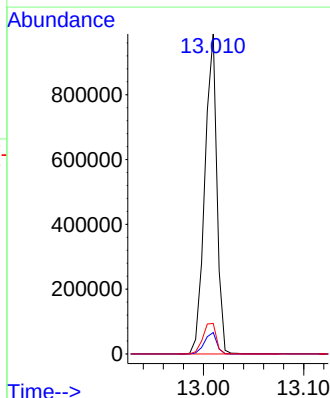
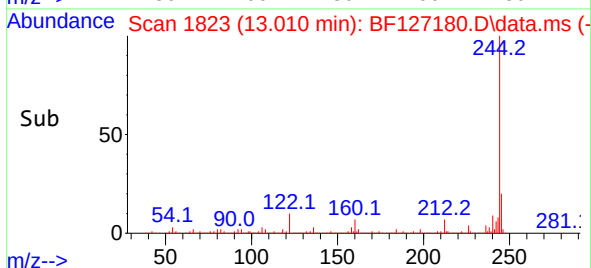
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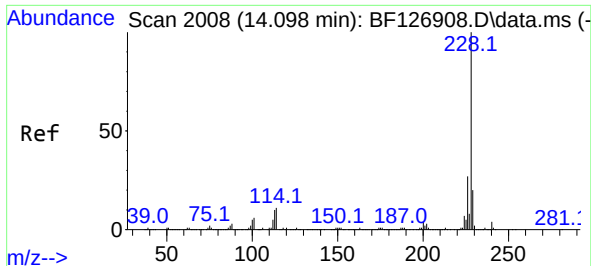


#79
Terphenyl-d14
Concen: 68.094 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



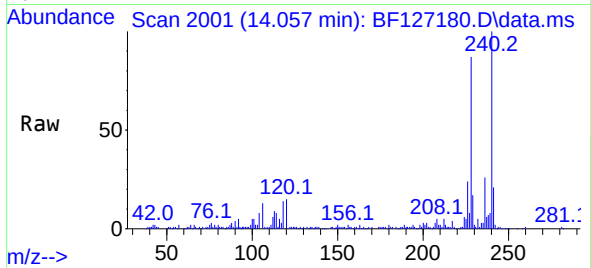
Tgt Ion:244 Resp: 826973
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 9.5 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 3.883 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

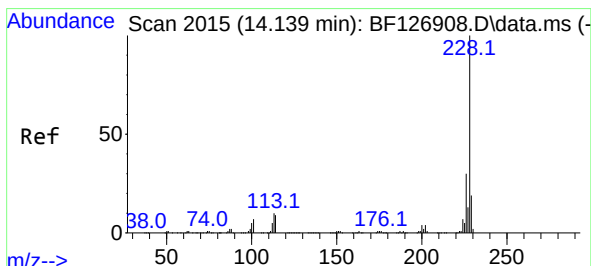
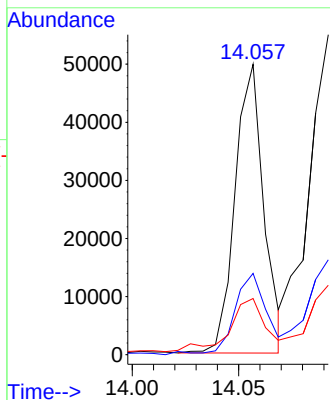
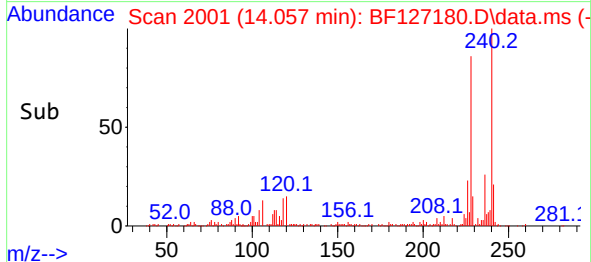
Instrument :
BNA_F
ClientSampleId :
DUM-16



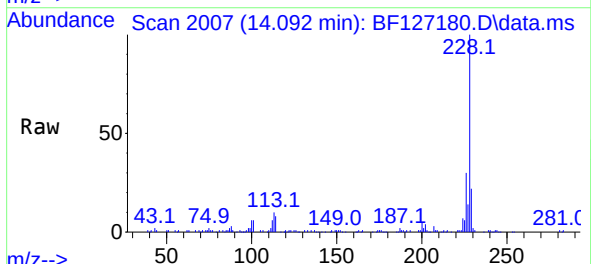
Tgt Ion:228 Resp: 4674
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 19.4 15.4 23.2

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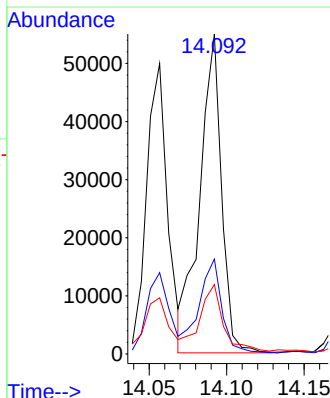
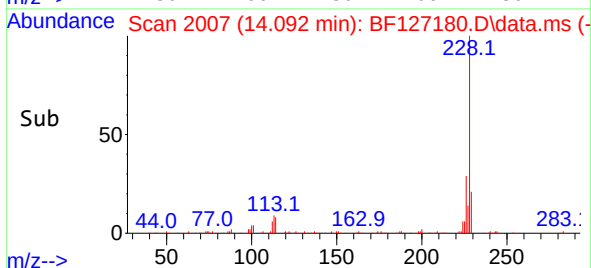
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022

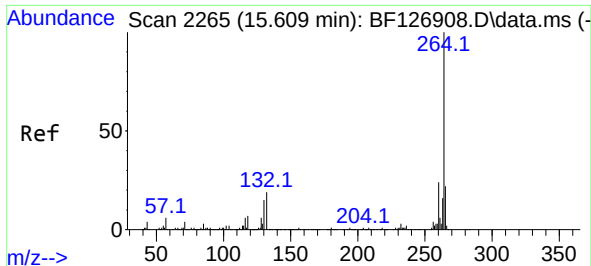


#83
Chrysene
Concen: 4.741 ng
RT: 14.092 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



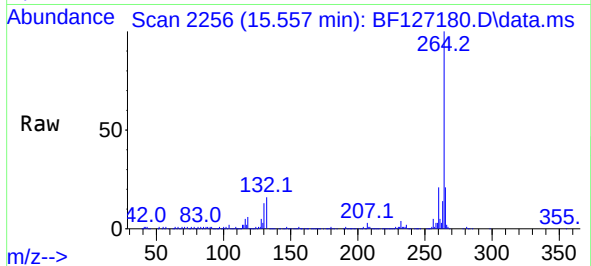
Tgt Ion:228 Resp: 53657
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 21.7 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2112
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

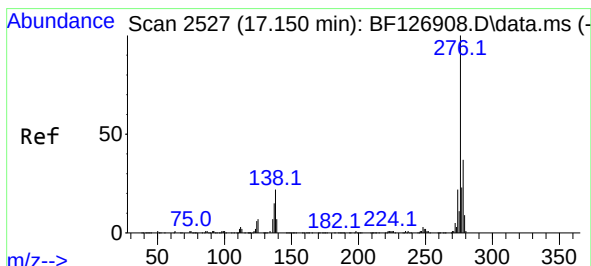
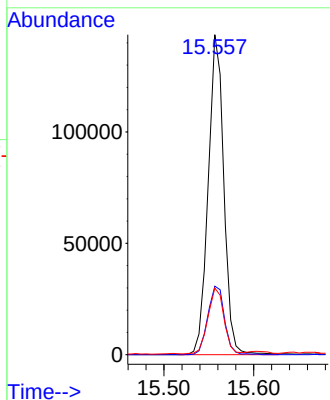
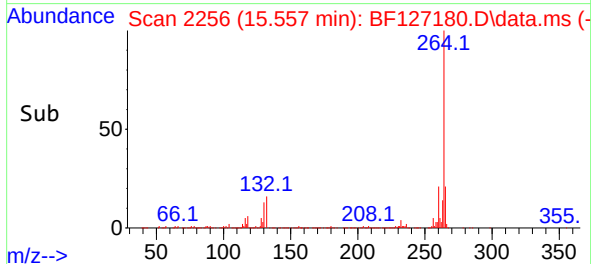
Instrument :
BNA_F
ClientSampleId :
DUM-16



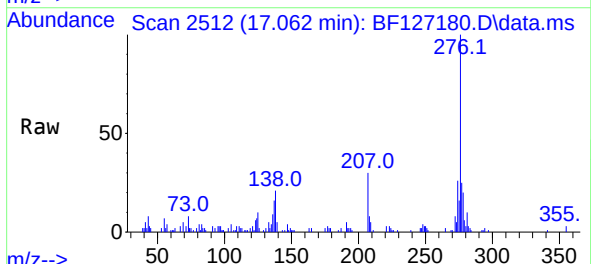
Tgt Ion:264 Resp: 173890
Ion Ratio Lower Upper
264 100
260 21.4 19.2 28.8
265 20.8 17.4 26.2

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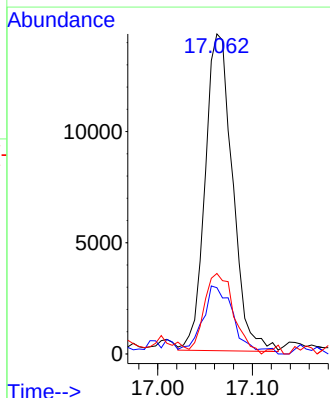
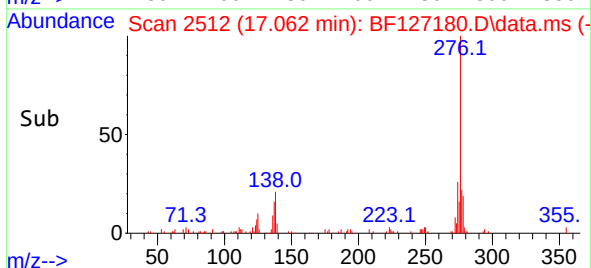
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022

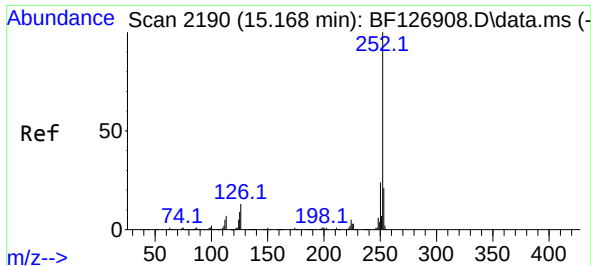


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.508 ng
RT: 17.062 min Scan# 2512
Delta R.T. -0.024 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31



Tgt Ion:276 Resp: 28598
Ion Ratio Lower Upper
276 100
138 24.7 29.2 43.8#
277 27.3 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 4.912 ng m
RT: 15.116 min Scan# 2190
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

Instrument :

BNA_F

ClientSampleId :

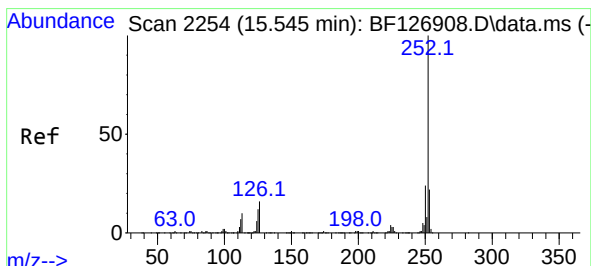
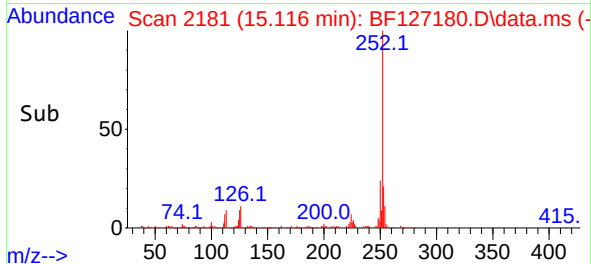
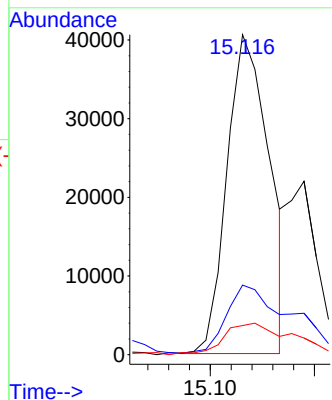
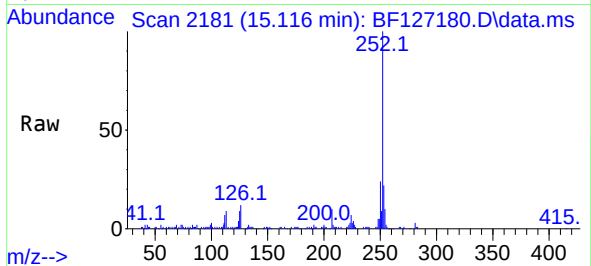
DUM-16

Tgt Ion:252 Resp: 57364
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 9.1 12.4 18.6

Manual Integrations

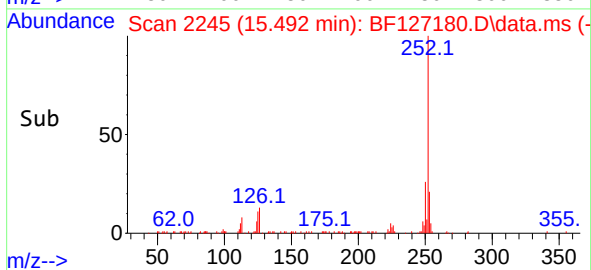
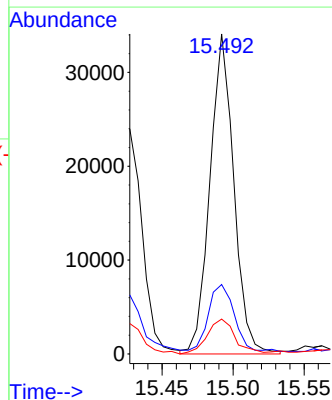
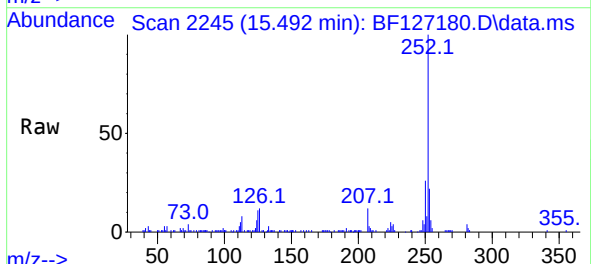
APPROVED

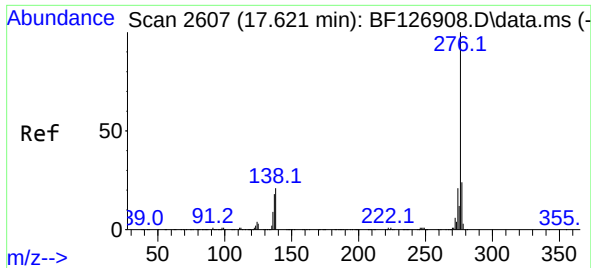
Reviewed By :Christian Giraldo 03/04/2022
Supervised By :Jagrut Upadhyay 03/04/2022



#90
Benzo(a)pyrene
Concen: 4.372 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF127180.D
Acq: 03 Mar 2022 19:31

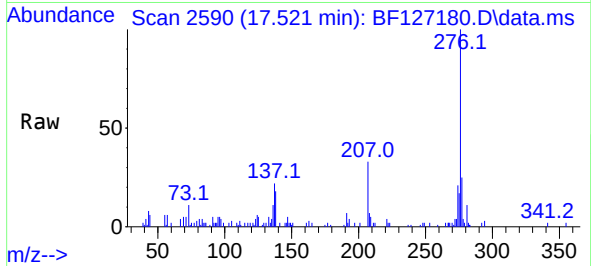
Tgt Ion:252 Resp: 39886
Ion Ratio Lower Upper
252 100
253 21.7 17.1 25.7
125 10.9 13.0 19.6





#92
 Benzo(g,h,i)perylene
 Concen: 2.846 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF127180.D
 Acq: 03 Mar 2022 19:31

Instrument :
 BNA_F
 ClientSampleId :
 DUM-16



Tgt Ion: 276 Resp: 2646

Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	17.6	25.9	38.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/04/2022
 Supervised By :Jagrut Upadhyay 03/04/2022

