

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
 Data File : BF126673.D
 Acq On : 25 Jan 2022 19:37
 Operator : CG/JU
 Sample : N1245-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0.5-1)

Quant Time: Jan 26 00:22:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 19 07:04:14 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	99639	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	370017	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	191957	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	295474	20.000	ng	0.00
76) Chrysene-d12	14.145	240	212538	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	231842	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	546602	72.188	ng	0.00
7) Phenol-d6	6.575	99	733251	69.699	ng	0.00
23) Nitrobenzene-d5	7.522	82	544355	57.583	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	116127	64.644	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	666287	53.159	ng	0.00
79) Terphenyl-d14	13.080	244	511584	40.372	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.521	178	192201	11.386	ng	99
72) Anthracene	11.569	178	35061	2.070	ng	97
75) Fluoranthene	12.710	202	215832	12.944	ng	98
78) Pyrene	12.945	202	180770	10.517	ng	98
81) Benzo(a)anthracene	14.133	228	97621	6.758	ng	95
83) Chrysene	14.168	228	97036m	6.981	ng	
87) Indeno(1,2,3-cd)pyrene	17.215	276	59671	4.166	ng	# 85
88) Benzo(b)fluoranthene	15.209	252	131507m	8.554	ng	
89) Benzo(k)fluoranthene	15.239	252	38063m	2.521	ng	
90) Benzo(a)pyrene	15.598	252	90434m	7.229	ng	
92) Benzo(g,h,i)perylene	17.692	276	54019	4.642	ng	# 86

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

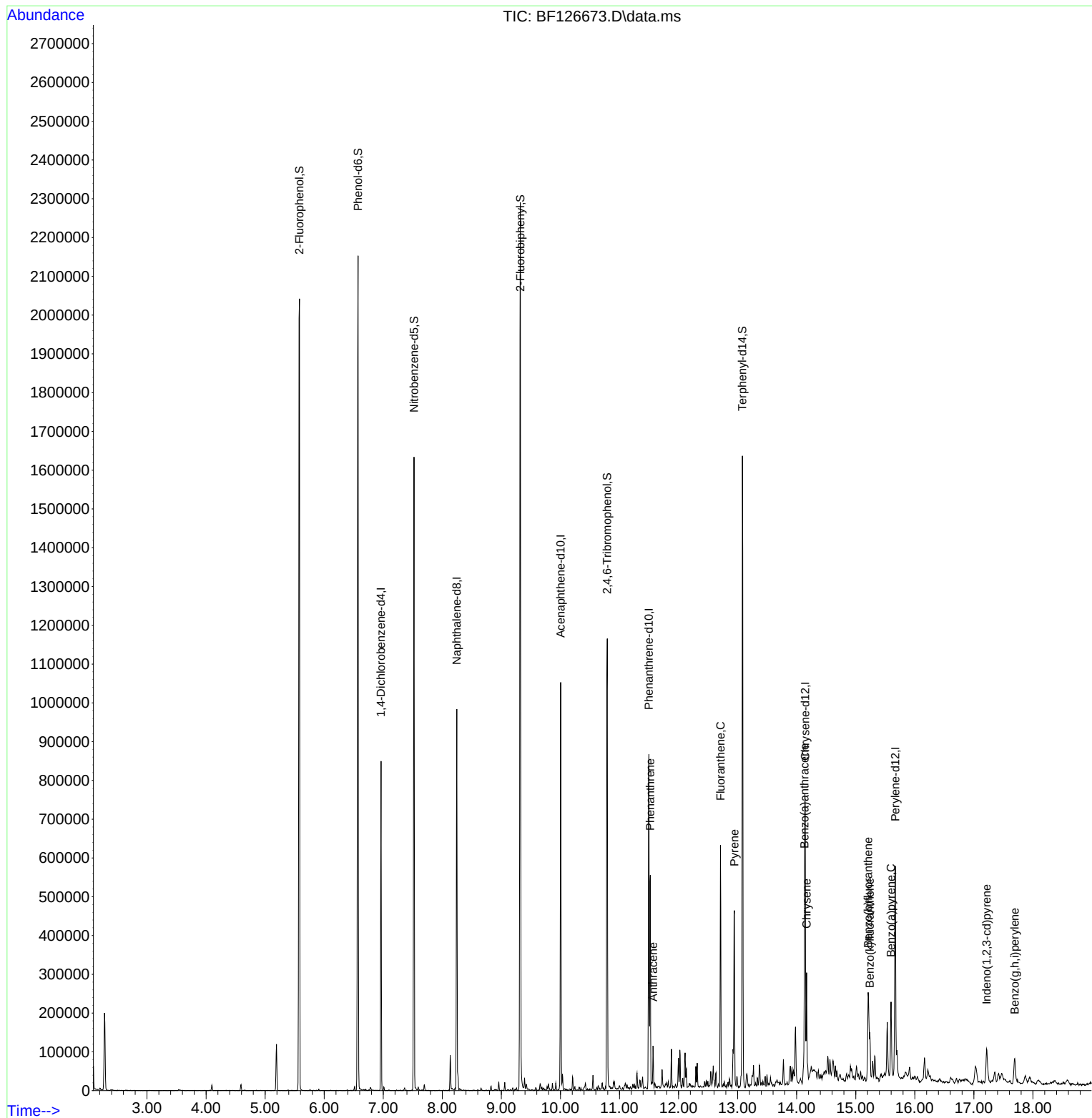
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012522\
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ALS Vial : 21 Sample Multiplier: 1

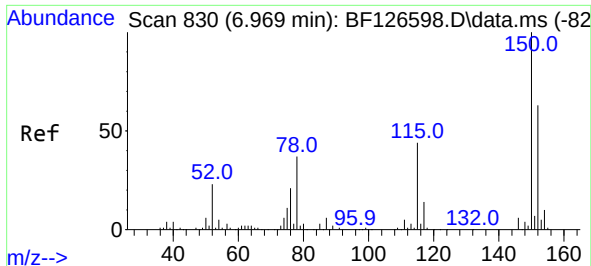
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SB-1(0.5-1)

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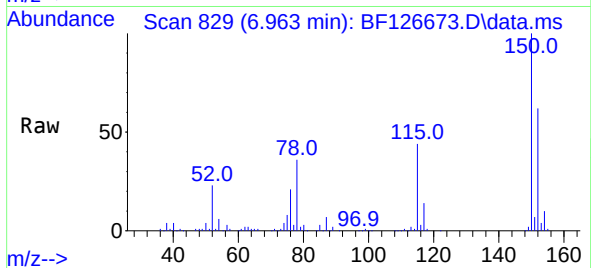
Reviewed By :Christian Giraldo 01/26/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

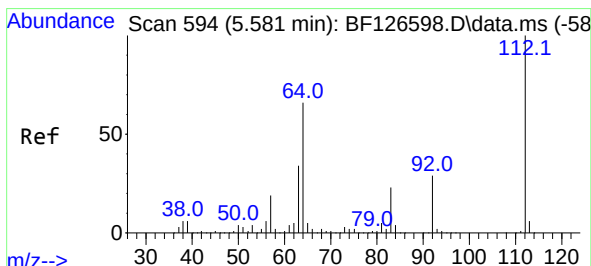
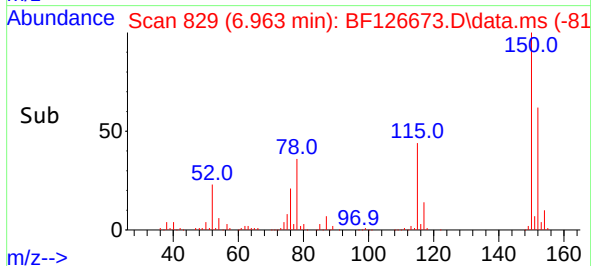
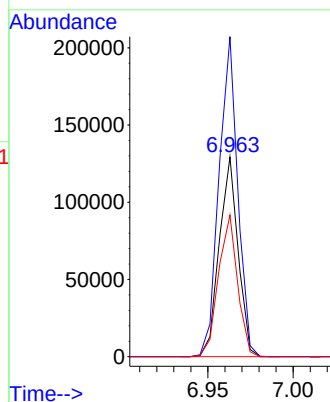
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



Tgt Ion:152 Resp: 99639
Ion Ratio Lower Upper
152 100
150 160.2 128.1 192.1
115 70.9 56.7 85.1

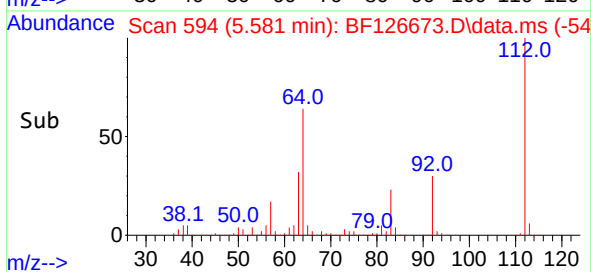
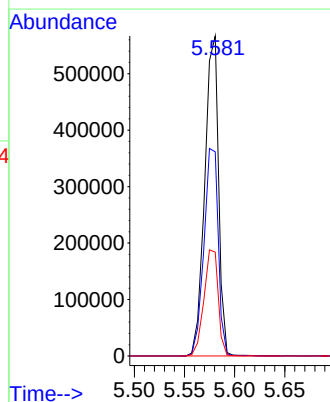
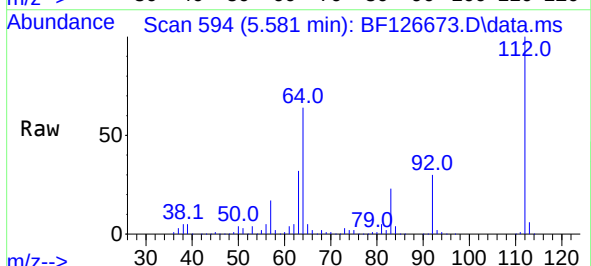
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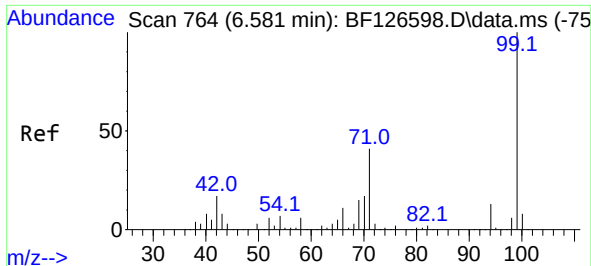
Reviewed By :Christian Giraldo 01/26/2022
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#5
2-Fluorophenol
Concen: 72.188 ng
RT: 5.581 min Scan# 594
Delta R.T. -0.000 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Tgt Ion:112 Resp: 546602
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 32.5 23.9 35.9





#7

Phenol-d6

Concen: 69.699 ng

RT: 6.575 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF126673.D

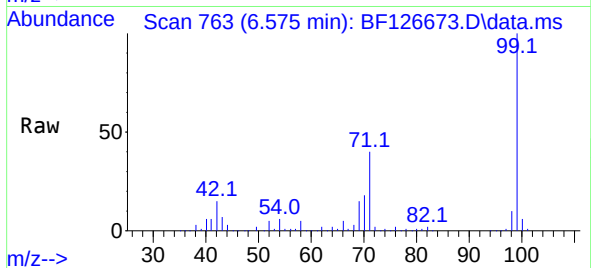
Acq: 25 Jan 2022 19:37

Instrument :

BNA_F

ClientSampleId :

SB-1(0.5-1)



Tgt Ion: 99 Resp: 73325

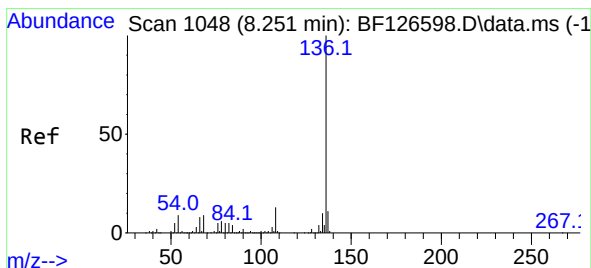
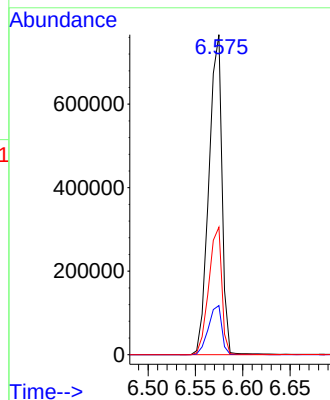
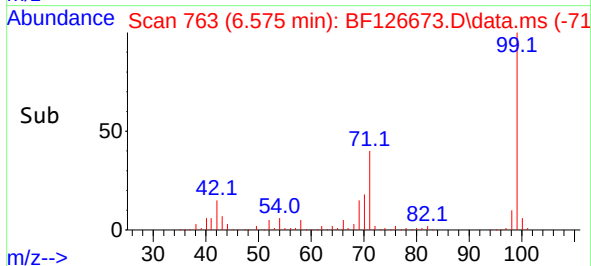
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.2	21.4
71	39.8	24.3	36.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1047

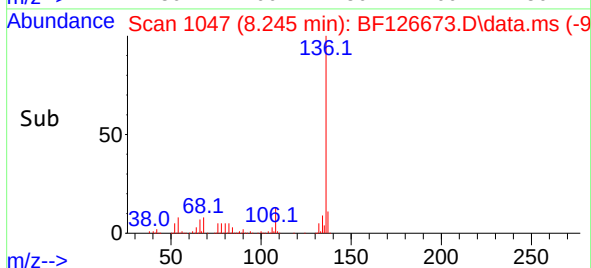
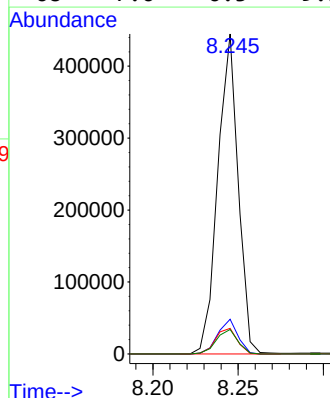
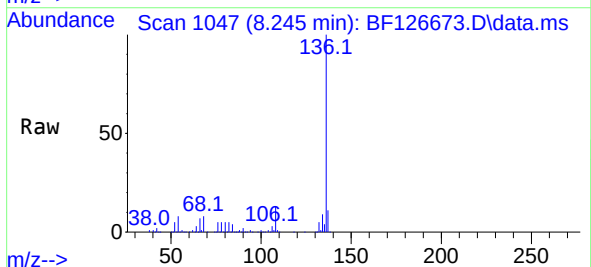
Delta R.T. -0.006 min

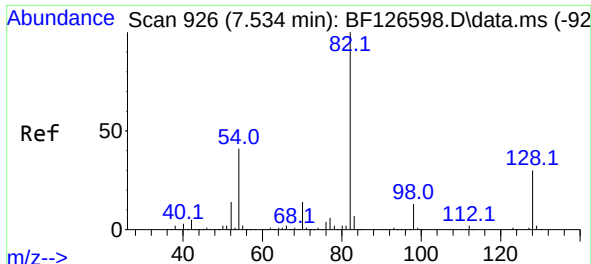
Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

Tgt Ion:136 Resp: 370017

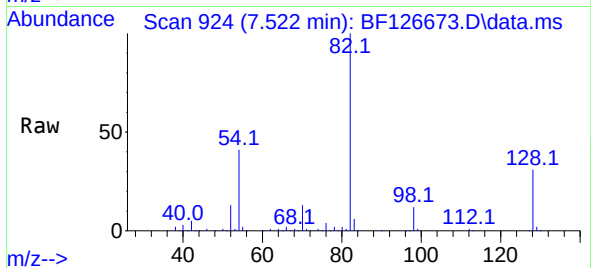
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.0	7.8	11.6
68	7.6	6.3	9.5





#23
Nitrobenzene-d5
Concen: 57.583 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

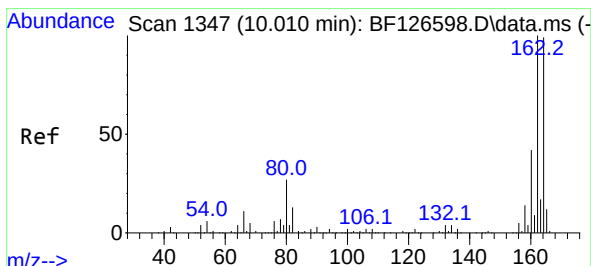
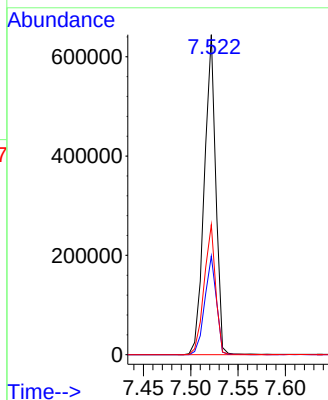
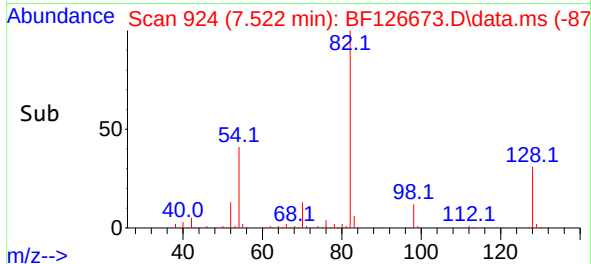
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



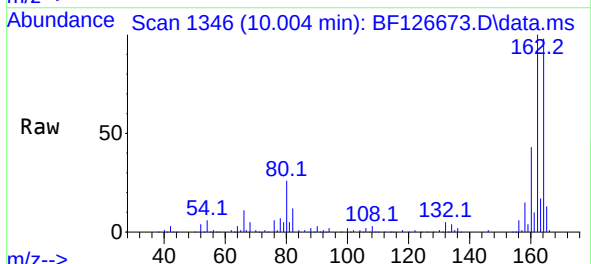
Tgt Ion: 82 Resp: 54435
Ion Ratio Lower Upper
82 100
128 30.8 32.7 49.1
54 40.6 41.7 62.5

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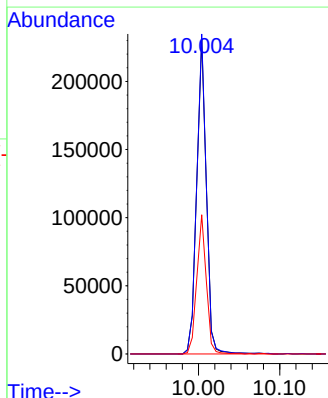
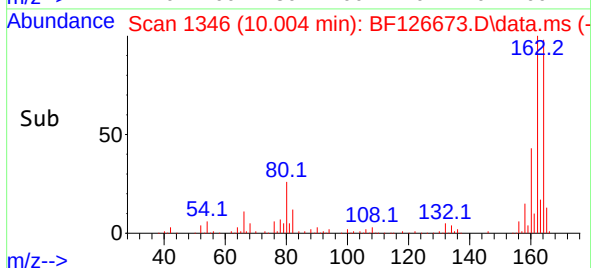
Reviewed By :Christian Giraldo 01/26/2022
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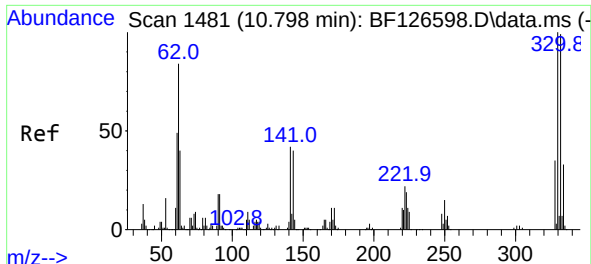


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



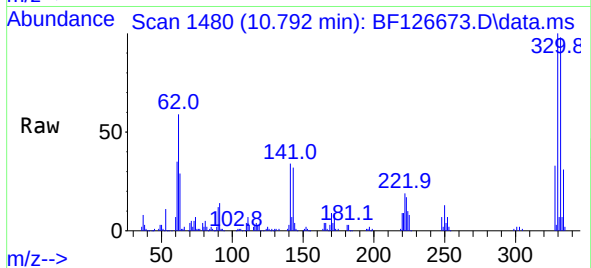
Tgt Ion:164 Resp: 191957
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.2 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 64.644 ng
RT: 10.792 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

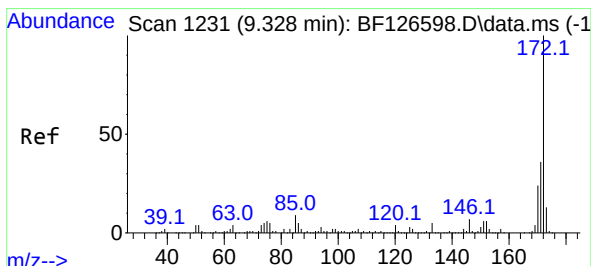
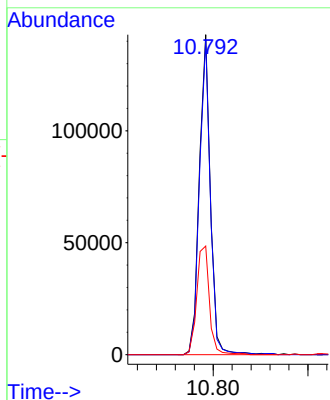
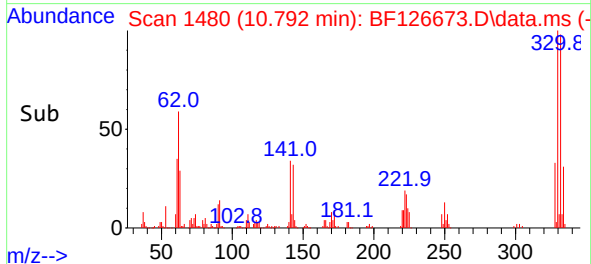
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



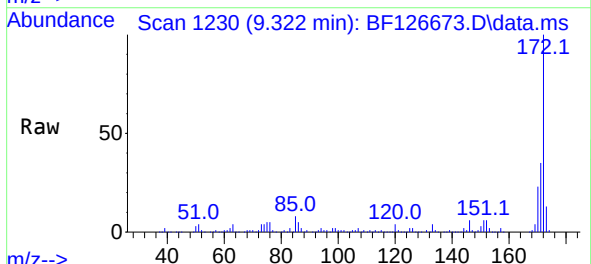
Tgt Ion:330 Resp: 116127
Ion Ratio Lower Upper
330 100
332 96.5 76.0 114.0
141 38.9 30.1 45.1

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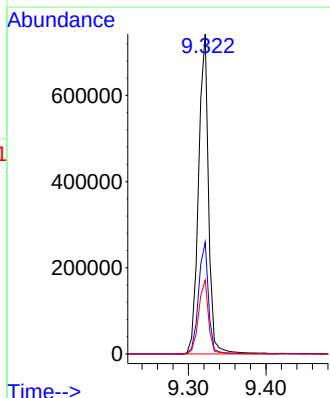
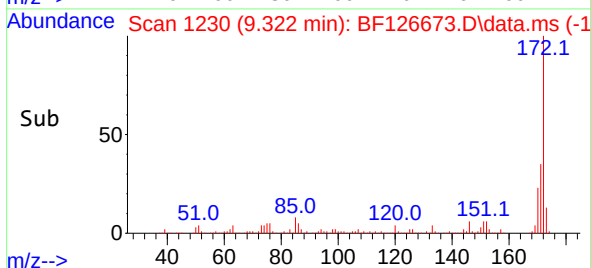
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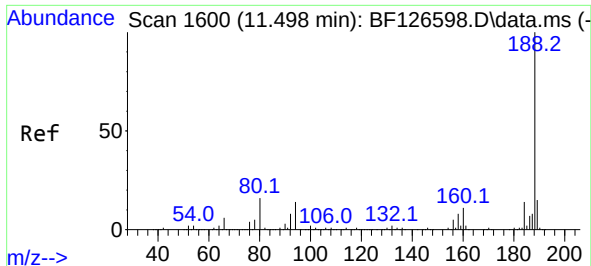


#45
2-Fluorobiphenyl
Concen: 53.159 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



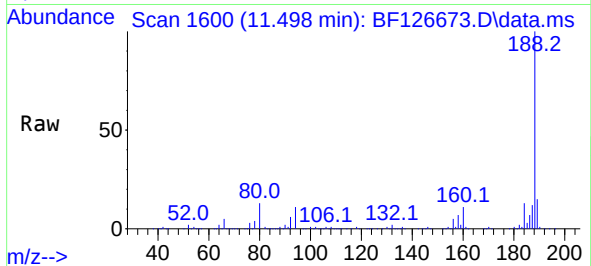
Tgt Ion:172 Resp: 666287
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

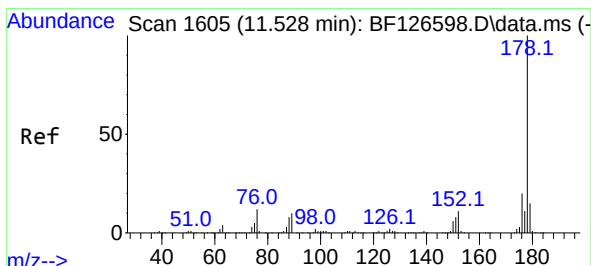
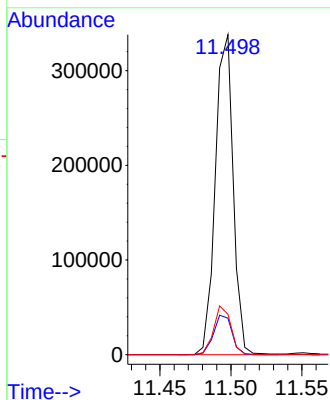
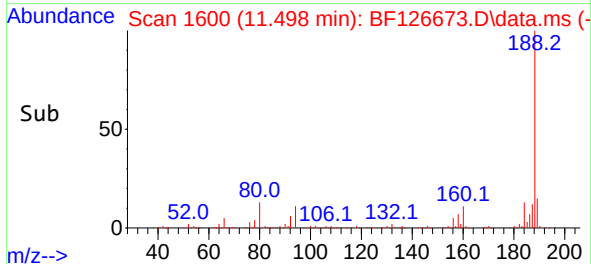
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



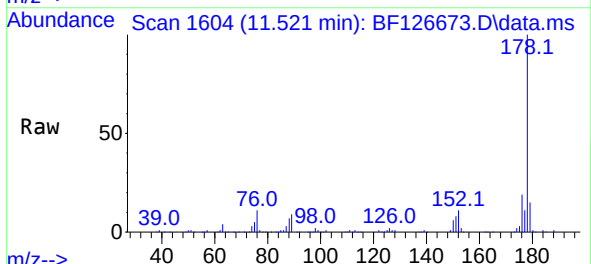
Tgt Ion:188 Resp: 295474
Ion Ratio Lower Upper
188 100
94 11.4 10.1 15.1
80 12.6 11.8 17.6

Manual Integrations
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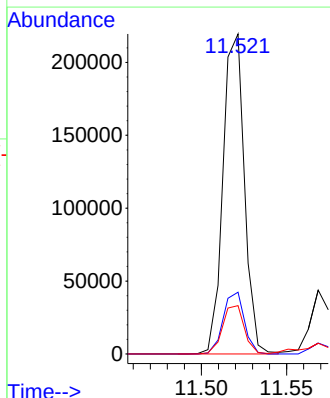
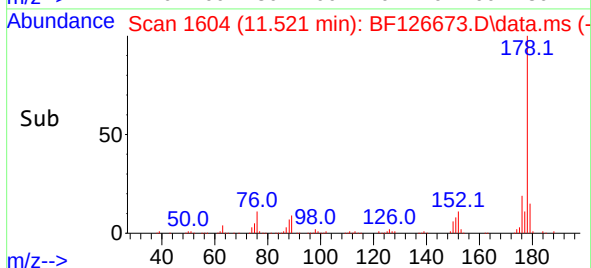
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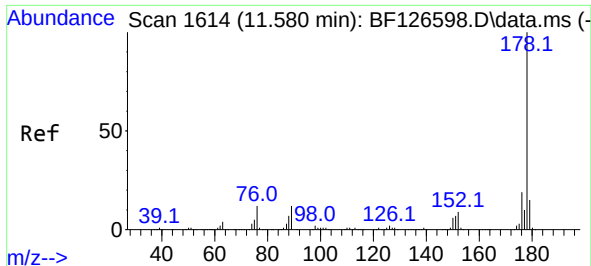


#71
Phenanthrene
Concen: 11.386 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



Tgt Ion:178 Resp: 192201
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.1 12.3 18.5





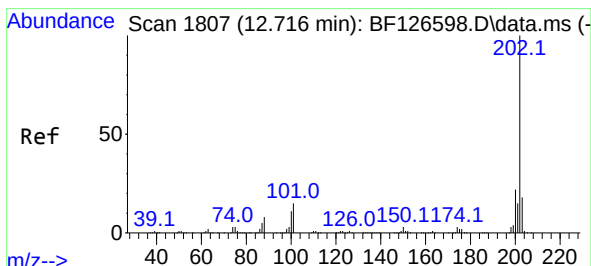
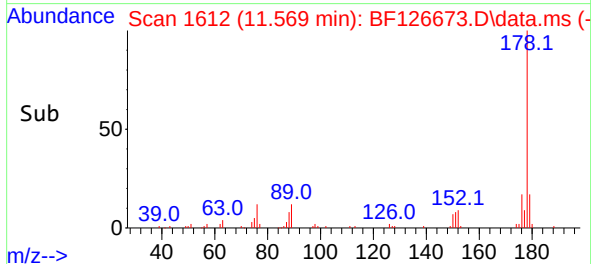
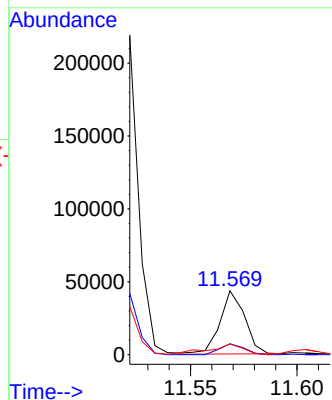
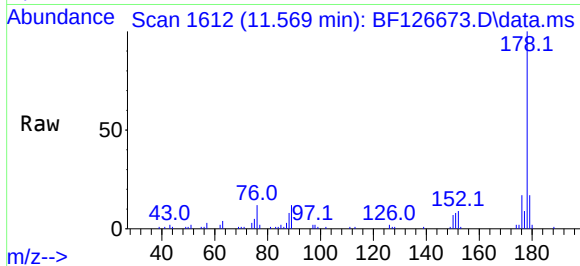
#72
 Anthracene
 Concen: 2.070 ng
 RT: 11.569 min Scan# 10
 Delta R.T. -0.012 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0.5-1)

Tgt Ion:178 Resp: 3506
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.0 22.6
 179 16.8 12.5 18.7

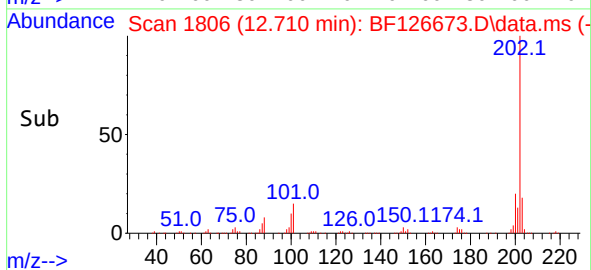
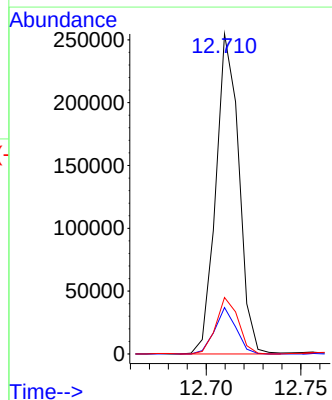
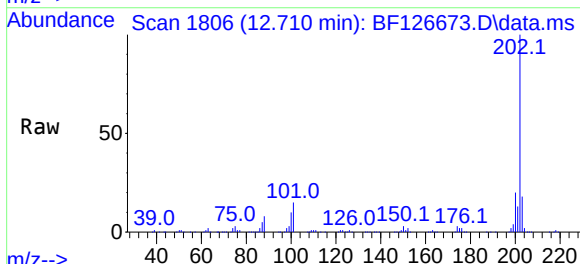
Manual Integrations
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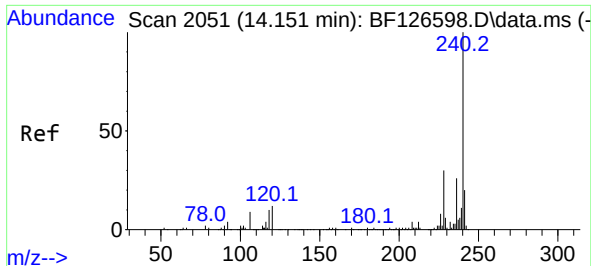
Reviewed By :Christian Giraldo 01/26/2022
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#75
 Fluoranthene
 Concen: 12.944 ng
 RT: 12.710 min Scan# 1806
 Delta R.T. -0.006 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

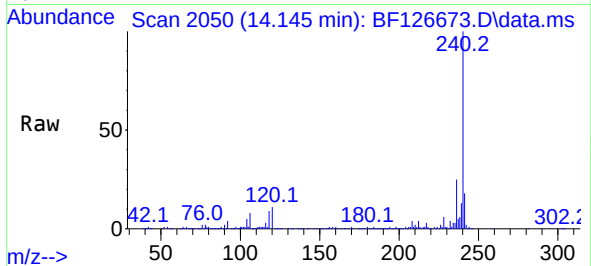
Tgt Ion:202 Resp: 215832
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 35.7
 203 17.7 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

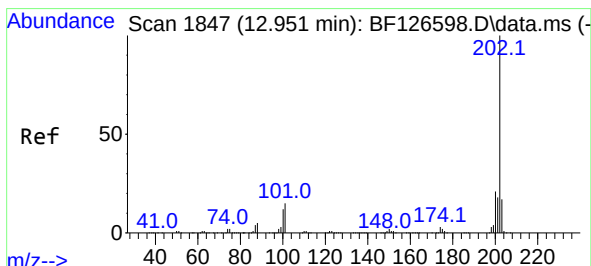
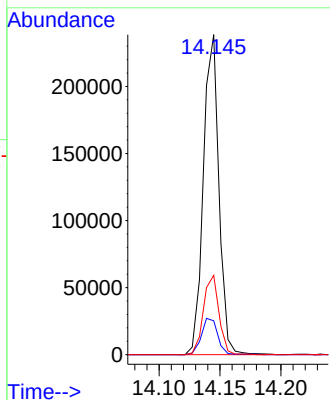
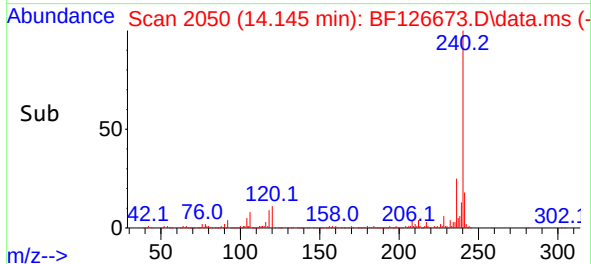
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



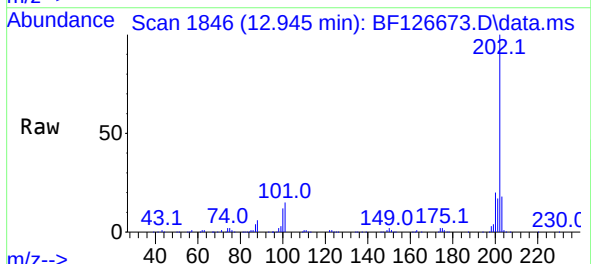
Tgt Ion:240 Resp: 212538
Ion Ratio Lower Upper
240 100
120 10.6 14.4 21.6
236 24.8 20.5 30.7

Manual Integrations
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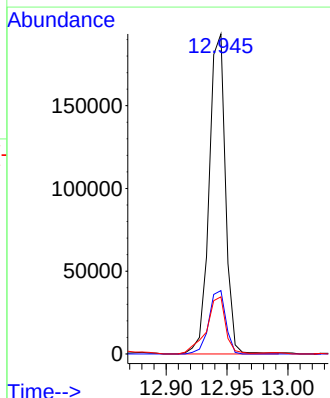
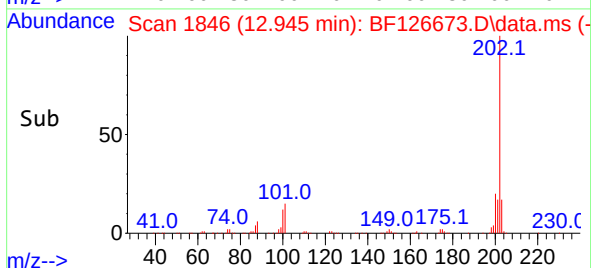
Reviewed By :Christian Giraldo 01/26/2022
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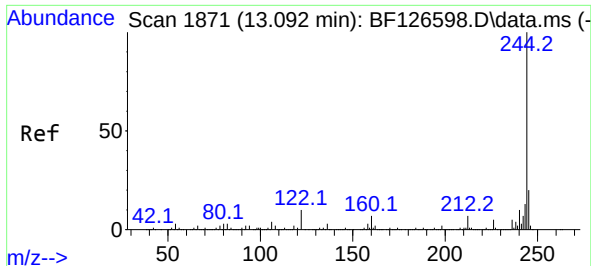


#78
Pyrene
Concen: 10.517 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



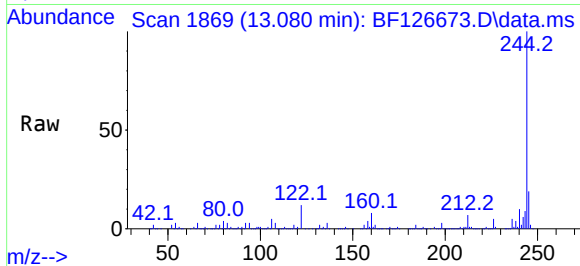
Tgt Ion:202 Resp: 180770
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.9 13.8 20.8





#79
Terphenyl-d14
Concen: 40.372 ng
RT: 13.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

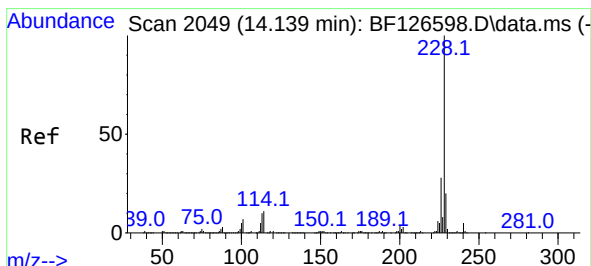
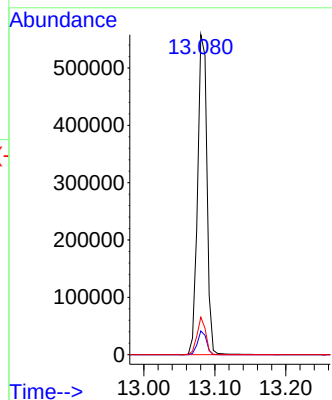
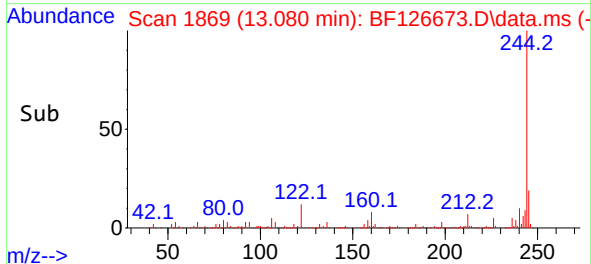
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



Tgt Ion:244 Resp: 511584
Ion Ratio Lower Upper
244 100
212 7.4 5.0 7.4
122 11.7 13.3 19.9

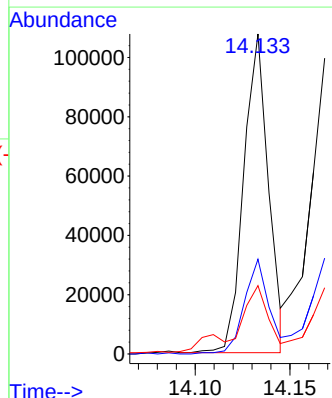
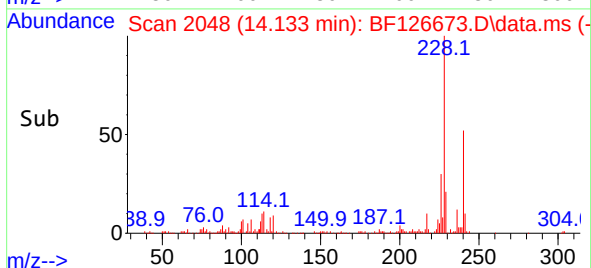
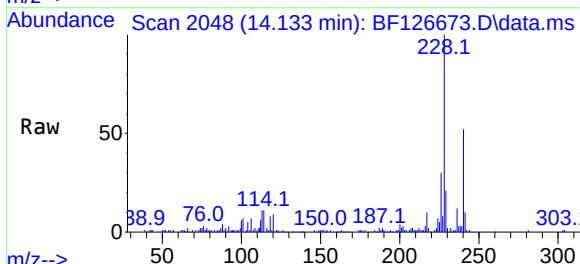
Manual Integrations
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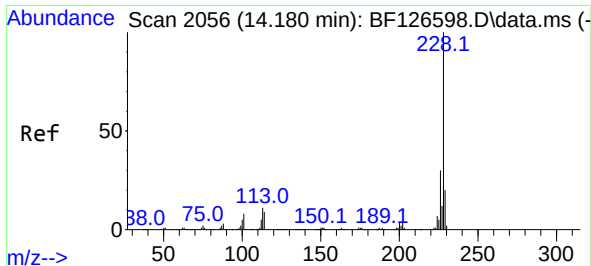
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022



#81
Benzo(a)anthracene
Concen: 6.758 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

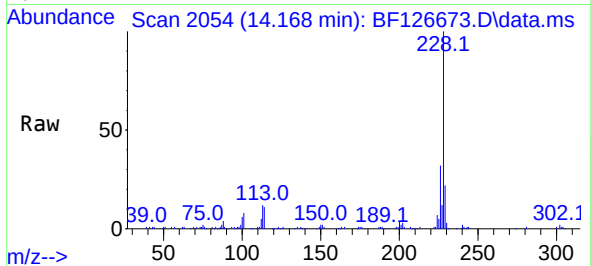
Tgt Ion:228 Resp: 97621
Ion Ratio Lower Upper
228 100
226 29.6 21.4 32.0
229 21.3 15.4 23.2





#83
Chrysene
Concen: 6.981 ng m
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

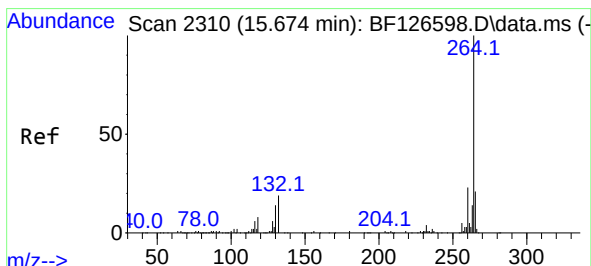
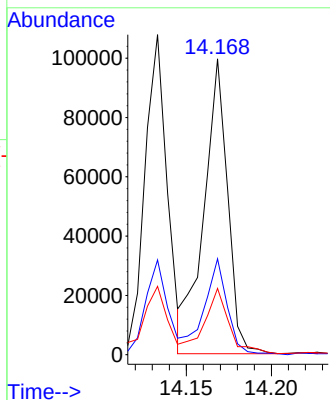
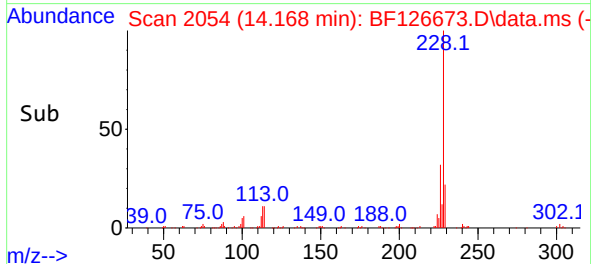
Instrument :
BNA_F
ClientSampleId :
SB-1(0.5-1)



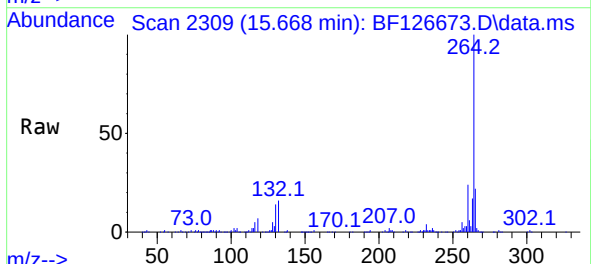
Tgt Ion:228 Resp: 97030
Ion Ratio Lower Upper
228 100
226 32.4 23.7 35.5
229 22.4 15.5 23.3

Manual Integrations
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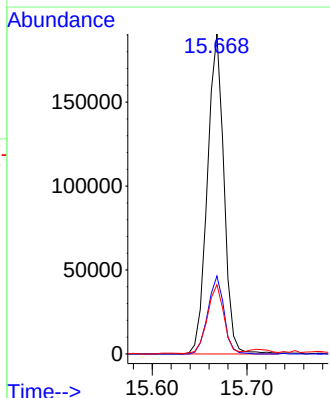
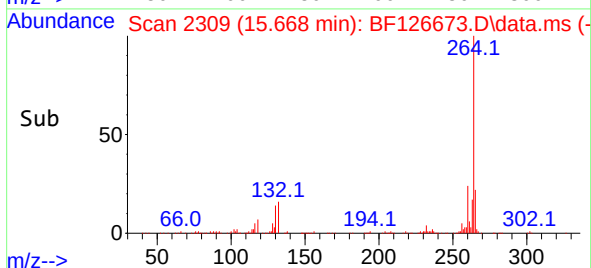
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

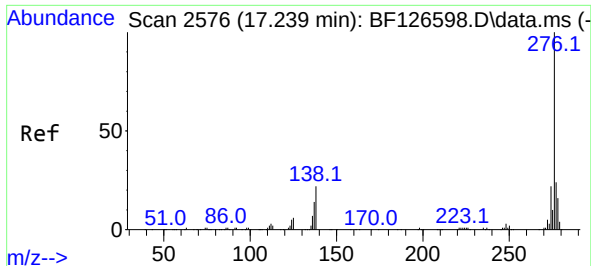


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2309
Delta R.T. -0.006 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



Tgt Ion:264 Resp: 231842
Ion Ratio Lower Upper
264 100
260 24.4 19.2 28.8
265 21.7 17.4 26.2





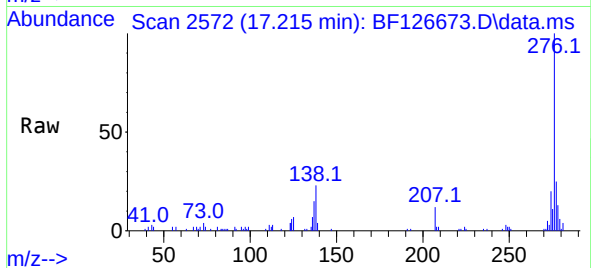
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng
RT: 17.215 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37

Instrument :

BNA_F

ClientSampleId :

SB-1(0.5-1)

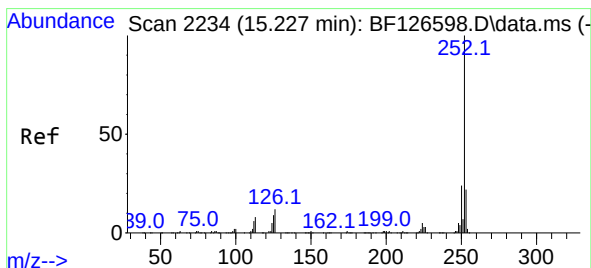
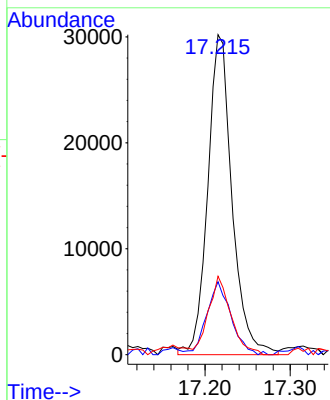
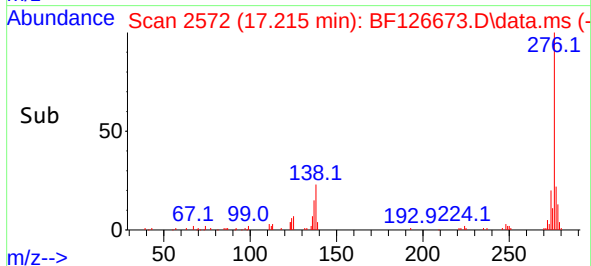


Tgt Ion:276 Resp: 5967
Ion Ratio Lower Upper
276 100
138 22.9 29.2 43.8
277 22.7 19.8 29.8

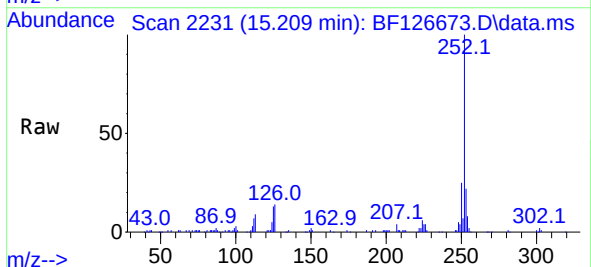
Manual Integrations

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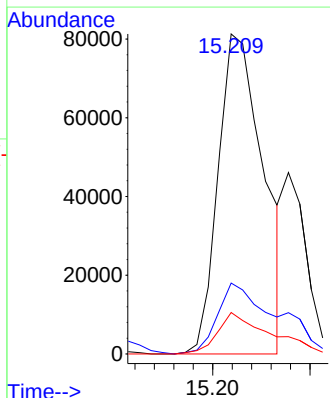
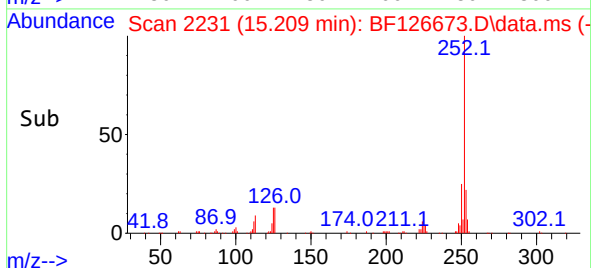
Reviewed By :Christian Giraldo 01/26/2022
Supervised By :Jagrut Upadhyay 01/26/2022

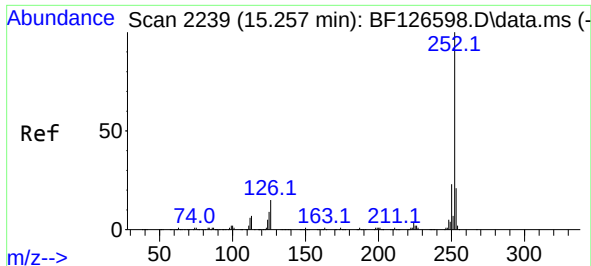


#88
Benzo(b)fluoranthene
Concen: 8.554 ng m
RT: 15.209 min Scan# 2231
Delta R.T. -0.018 min
Lab File: BF126673.D
Acq: 25 Jan 2022 19:37



Tgt Ion:252 Resp: 131507
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 12.9 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 2.521 ng m

RT: 15.239 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

Instrument :

BNA_F

ClientSampleId :

SB-1(0.5-1)

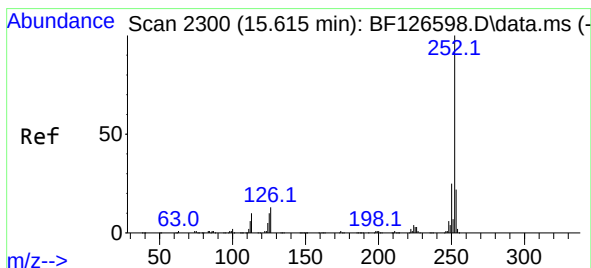
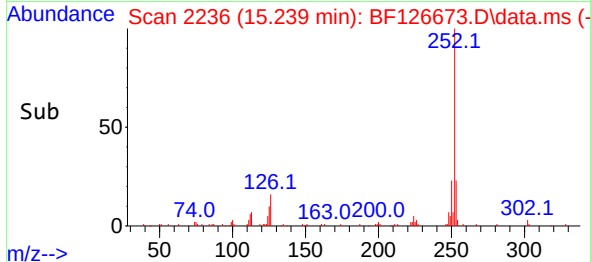
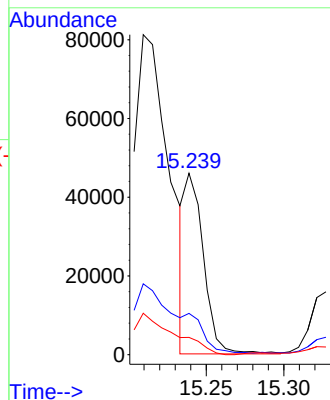
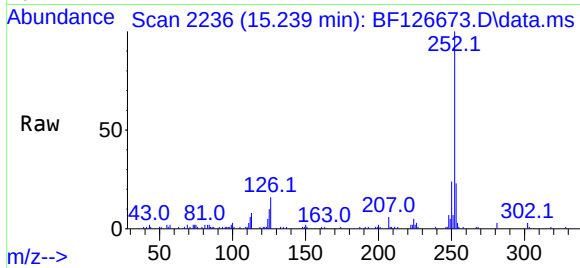
Tgt Ion:252	Resp:	3806
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.5 26.3
125	9.5	11.8 17.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/26/2022

Supervised By :Jagrut Upadhyay 01/26/2022



#90

Benzo(a)pyrene

Concen: 7.229 ng m

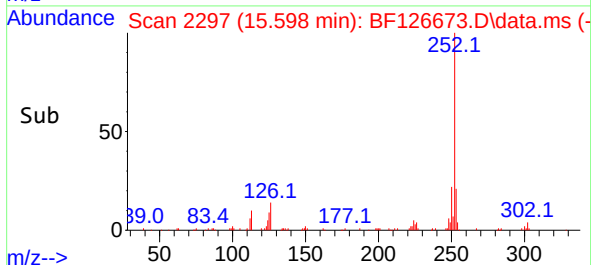
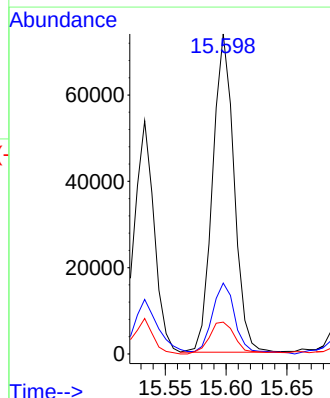
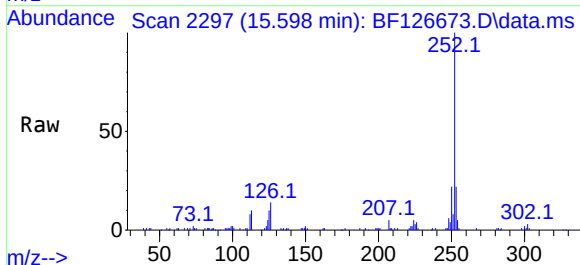
RT: 15.598 min Scan# 2297

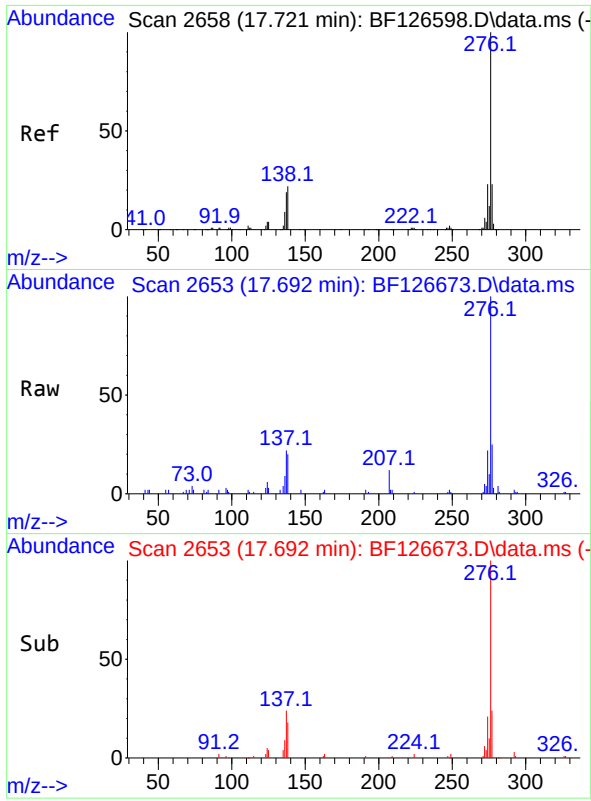
Delta R.T. -0.018 min

Lab File: BF126673.D

Acq: 25 Jan 2022 19:37

Tgt Ion:252	Resp:	90434
Ion Ratio	Lower	Upper
252	100	
253	22.2	17.1 25.7
125	10.0	13.0 19.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.642 ng
 RT: 17.692 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF126673.D
 Acq: 25 Jan 2022 19:37

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0.5-1)

Tgt Ion:276 Resp: 54019
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.5 27.7
 138 20.1 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/26/2022
 Supervised By :Jagrut Upadhyay 01/26/2022

