

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
 Data File : BF126462.D
 Acq On : 3 Jan 2022 18:27
 Operator : JU/CG
 Sample : M5255-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-122921

Quant Time: Jan 04 05:20:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/04/2022
 Supervised By : Jagrut Upadhyay 01/04/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	116409	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	400699	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	176544	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	317644	20.000	ng	0.00
76) Chrysene-d12	13.957	240	210502	20.000	ng	0.00
86) Perylene-d12	15.404	264	154903	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	284454	35.091	ng	0.00
7) Phenol-d6	6.422	99	381709	36.356	ng	0.00
23) Nitrobenzene-d5	7.351	82	217534	27.875	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	60942	44.671	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	328485	32.742	ng	0.00
79) Terphenyl-d14	12.915	244	350481	32.349	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.792	142	29991	2.688	ng	97
71) Phenanthrene	11.339	178	166363	10.244	ng	98
72) Anthracene	11.392	178	41496	2.554	ng	97
75) Fluoranthene	12.539	202	215485	14.538	ng	99
78) Pyrene	12.768	202	229334	12.892	ng	98
81) Benzo(a)anthracene	13.951	228	93054	7.687	ng	97
83) Chrysene	13.980	228	89668m	7.221	ng	
87) Indeno(1,2,3-cd)pyrene	16.815	276	32814	3.165	ng	97
88) Benzo(b)fluoranthene	14.986	252	97487m	10.564	ng	
89) Benzo(k)fluoranthene	15.009	252	27389m	3.064	ng	
90) Benzo(a)pyrene	15.339	252	60739	7.850	ng	# 90
92) Benzo(g,h,i)perylene	17.245	276	30292	3.401	ng	93

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

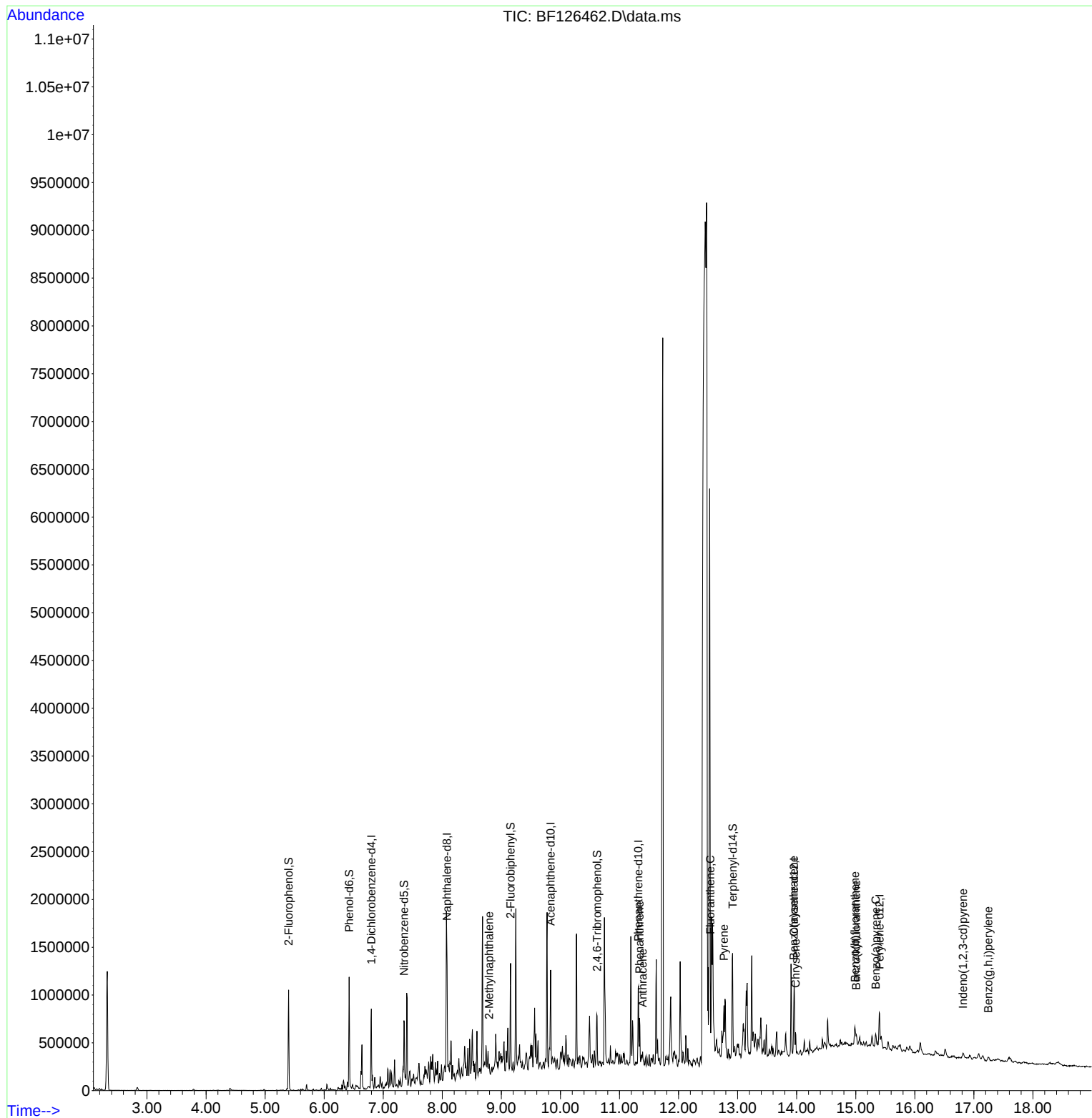
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
Data File : BF126462.D
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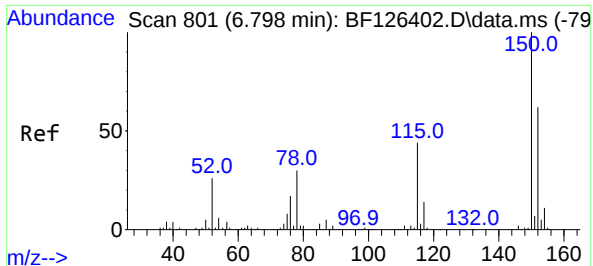
Instrument :
BNA_F
ClientSampleId :
TR-04-122921

Quant Time: Jan 04 05:20:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
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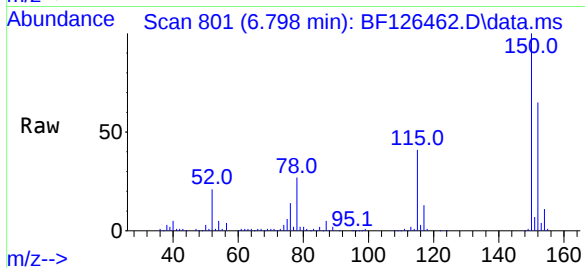
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

TR-04-122921

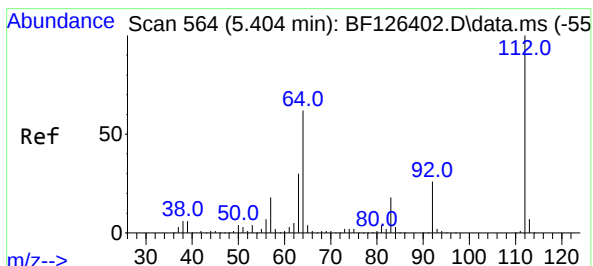
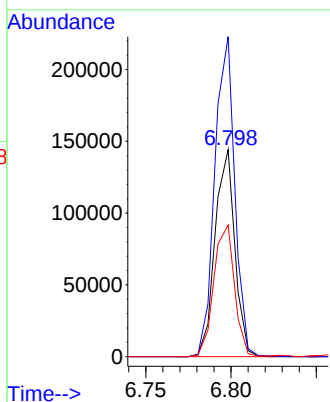
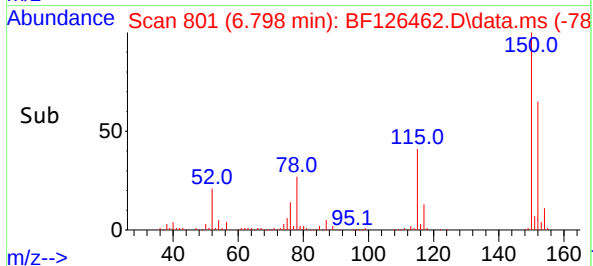


Tgt Ion:152 Resp: 116409
Ion Ratio Lower Upper
152 100
150 154.5 128.1 192.1
115 63.6 56.7 85.1

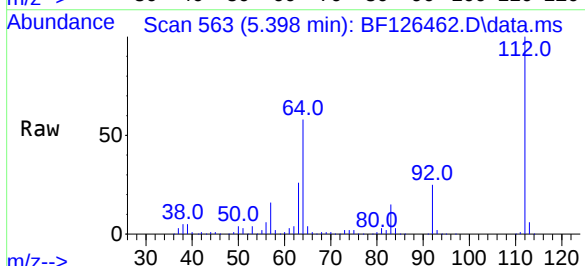
Manual Integrations

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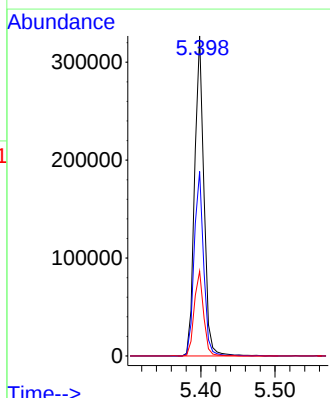
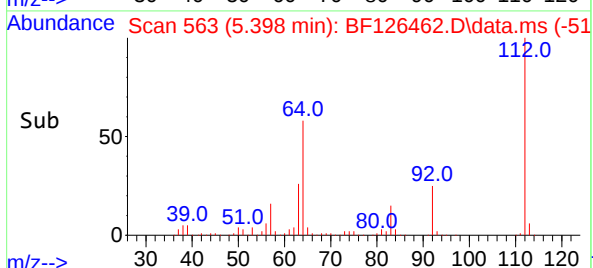
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

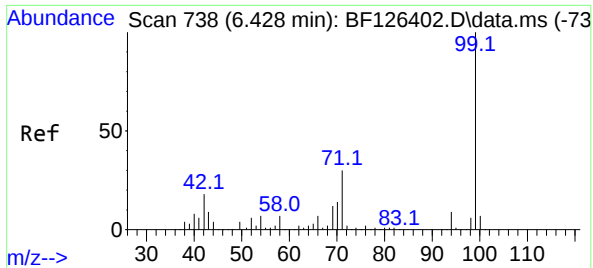


#5
2-Fluorophenol
Concen: 35.091 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



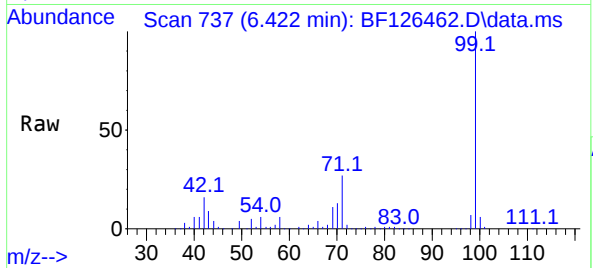
Tgt Ion:112 Resp: 284454
Ion Ratio Lower Upper
112 100
64 57.7 49.5 74.3
63 26.5 23.9 35.9





#7
Phenol-d6
Concen: 36.356 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

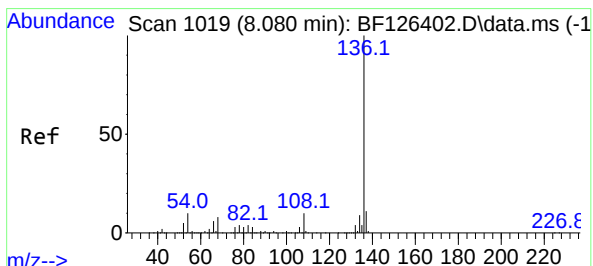
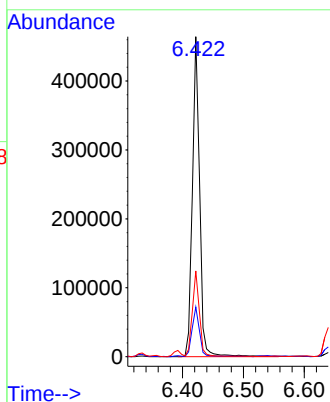
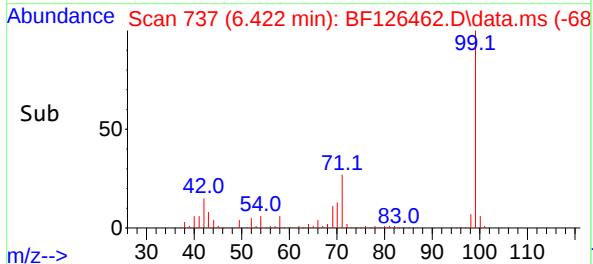
Instrument :
BNA_F
ClientSampleId :
TR-04-122921



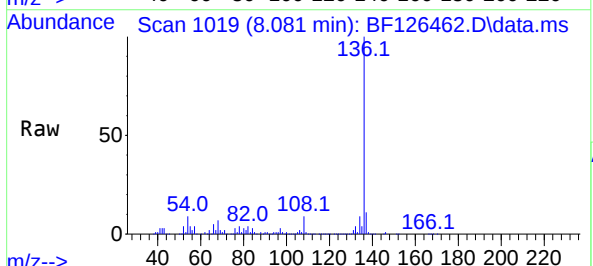
Tgt Ion: 99 Resp: 381709
Ion Ratio Lower Upper
99 100
42 15.5 14.2 21.4
71 26.8 24.3 36.5

Manual Integrations
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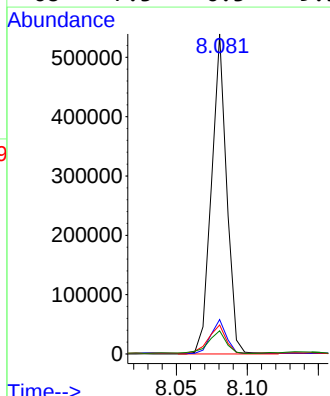
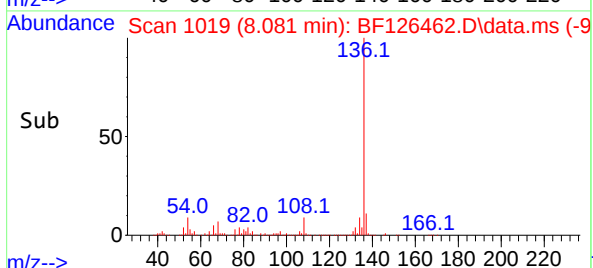
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

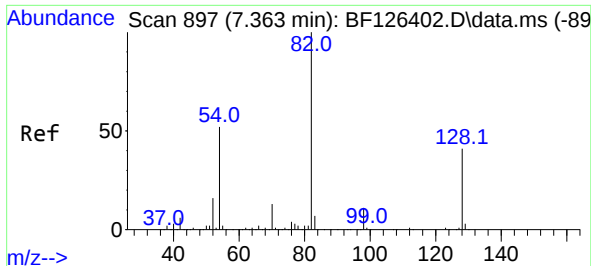


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



Tgt Ion:136 Resp: 400699
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.0 7.8 11.6
68 7.3 6.3 9.5





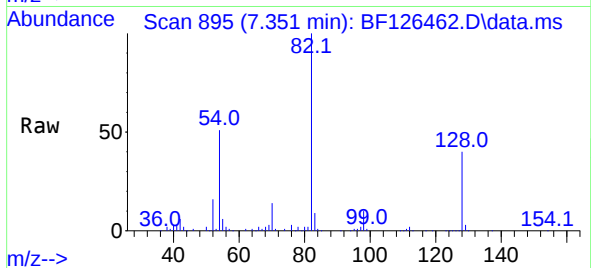
#23
Nitrobenzene-d5
Concen: 27.875 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

TR-04-122921

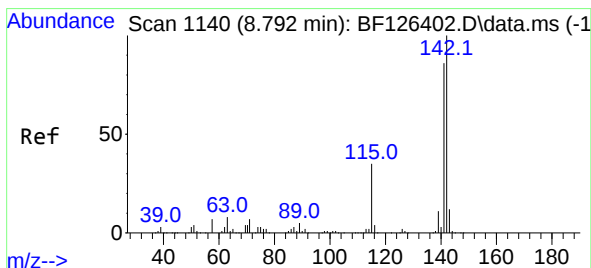
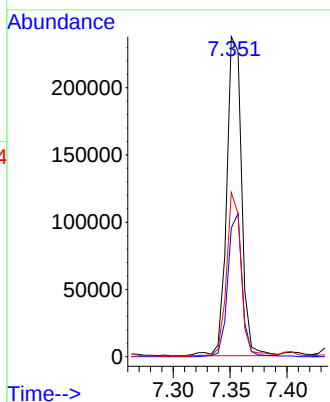
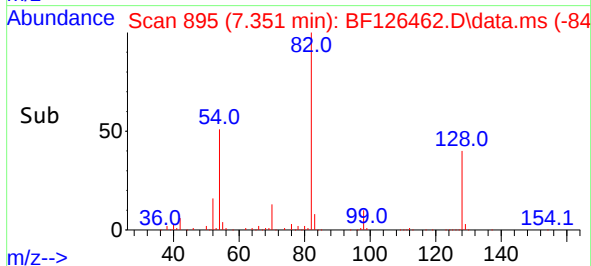


Tgt Ion: 82 Resp: 217534
Ion Ratio Lower Upper
82 100
128 40.2 32.7 49.1
54 51.3 41.7 62.5

Manual Integrations

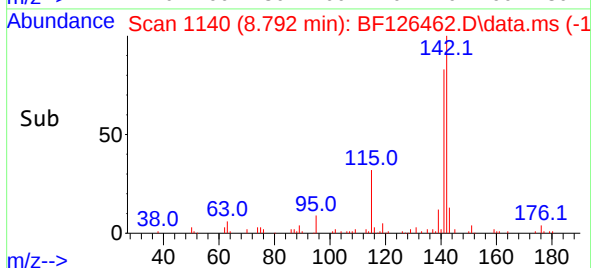
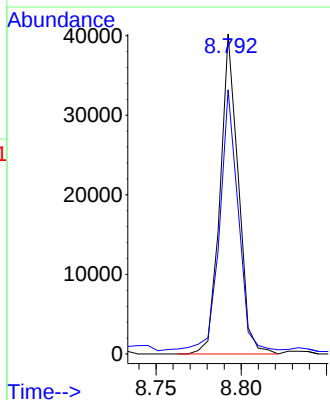
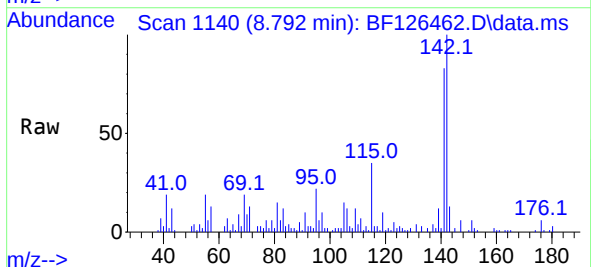
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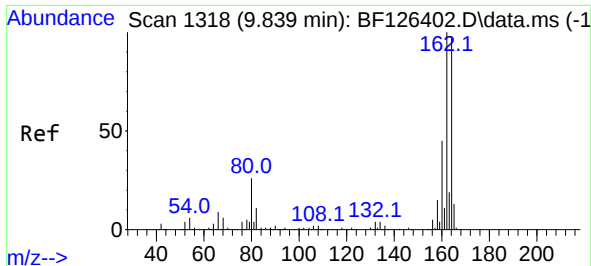
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#37
2-Methylnaphthalene
Concen: 2.688 ng
RT: 8.792 min Scan# 1140
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:142 Resp: 29991
Ion Ratio Lower Upper
142 100
141 82.6 68.6 102.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

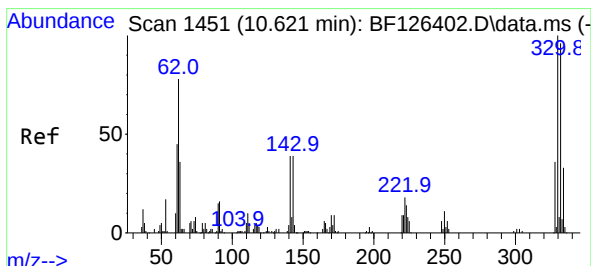
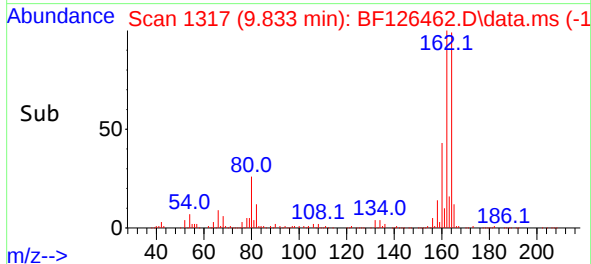
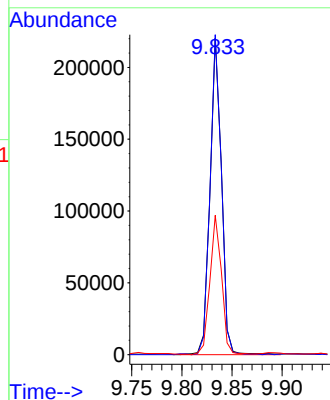
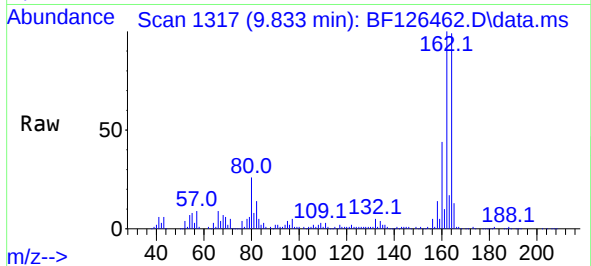
TR-04-122921

Tgt Ion:164 Resp: 176544
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 44.0 36.6 54.8

Manual Integrations

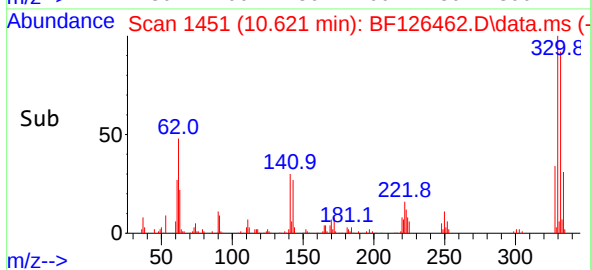
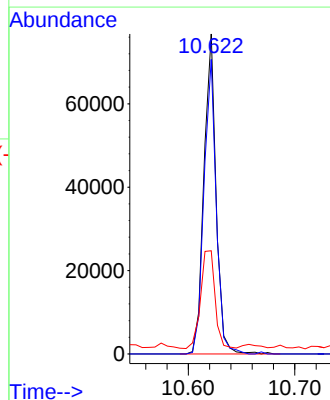
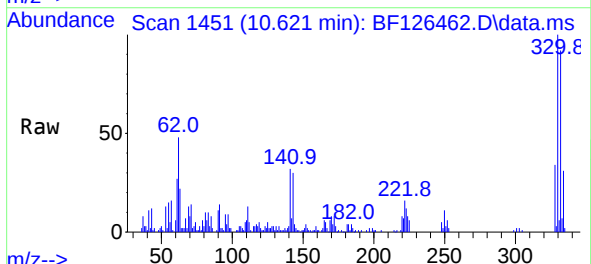
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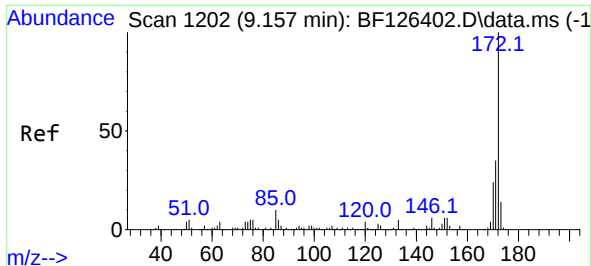
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#42
2,4,6-Tribromophenol
Concen: 44.671 ng
RT: 10.621 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:330 Resp: 60942
Ion Ratio Lower Upper
330 100
332 92.8 76.0 114.0
141 36.2 30.1 45.1





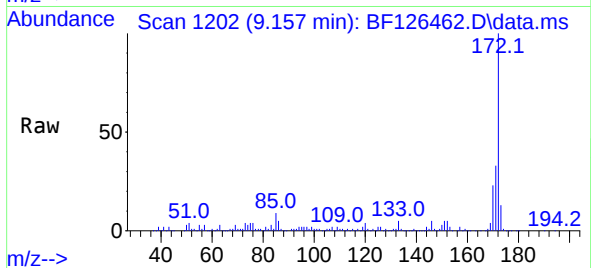
#45
2-Fluorobiphenyl
Concen: 32.742 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

TR-04-122921

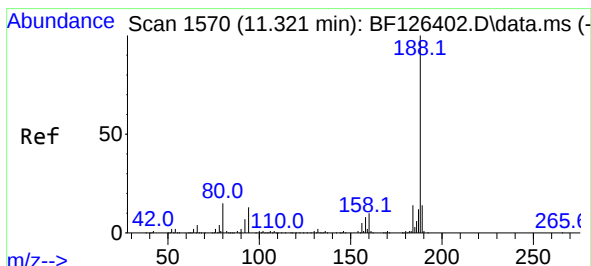
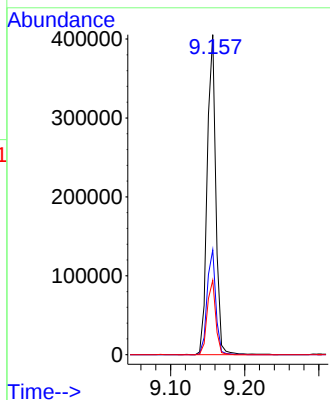
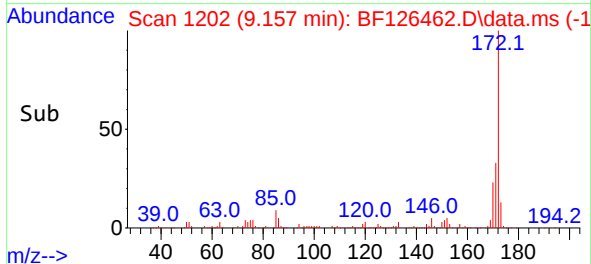


Tgt Ion:172 Resp: 328485
Ion Ratio Lower Upper
172 100
171 32.7 28.3 42.5
170 23.2 19.0 28.6

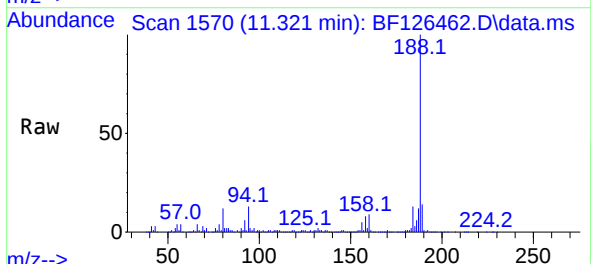
Manual Integrations

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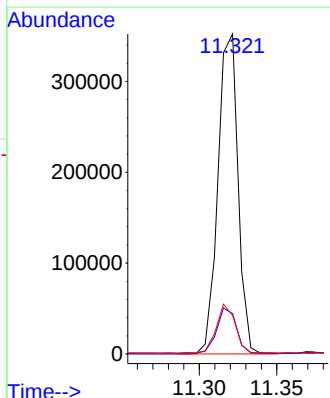
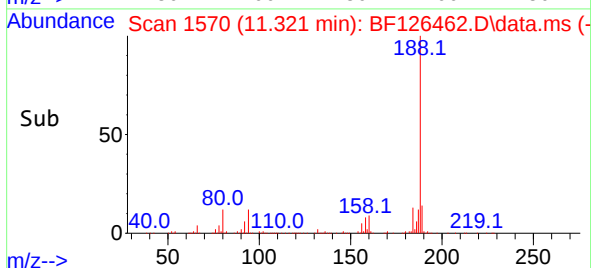
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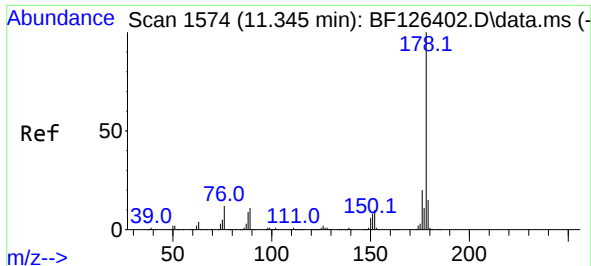


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



Tgt Ion:188 Resp: 317644
Ion Ratio Lower Upper
188 100
94 12.6 10.1 15.1
80 12.0 11.8 17.6





#71
Phenanthrene
Concen: 10.244 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

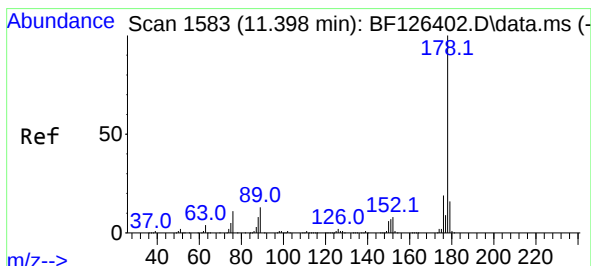
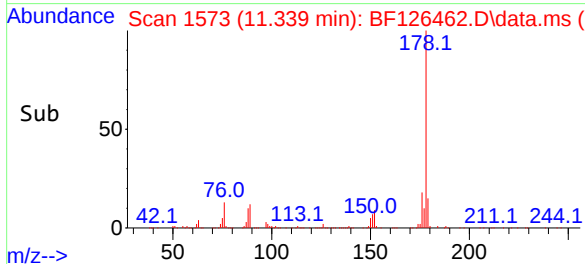
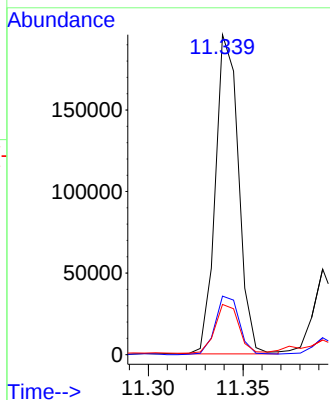
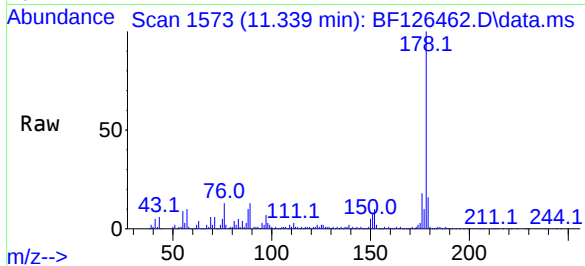
TR-04-122921

Tgt Ion:178 Resp: 16636
Ion Ratio Lower Upper
178 100
176 18.3 15.7 23.5
179 15.7 12.3 18.5

Manual Integrations

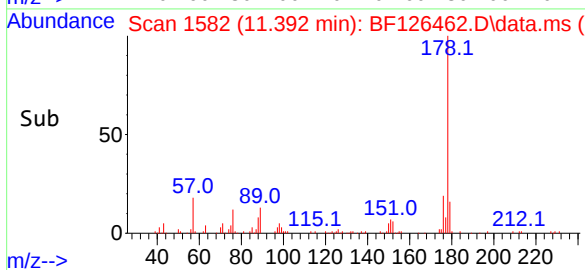
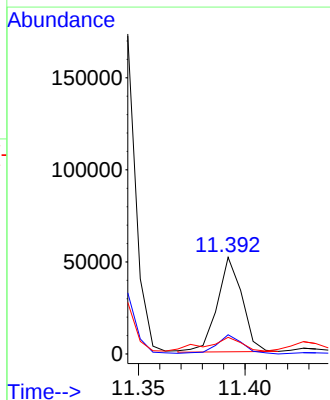
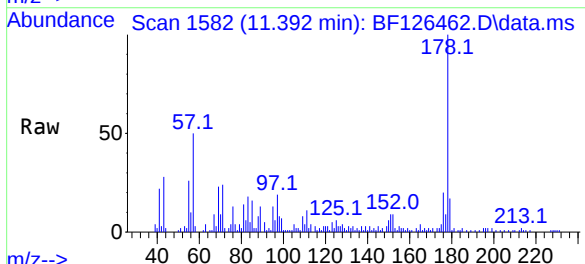
APPROVED

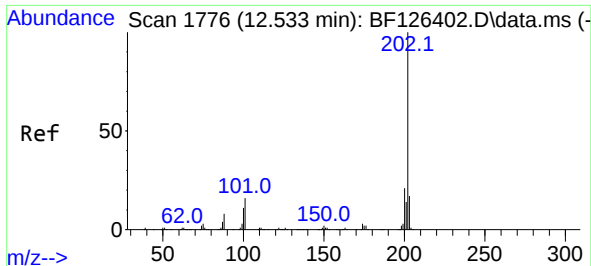
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#72
Anthracene
Concen: 2.554 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

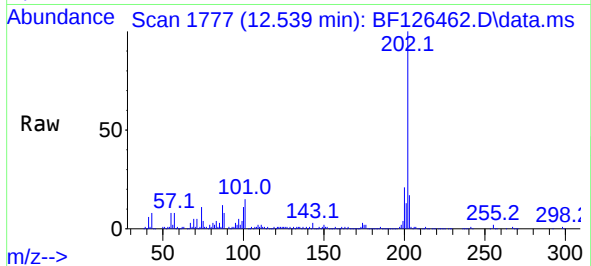
Tgt Ion:178 Resp: 41496
Ion Ratio Lower Upper
178 100
176 19.8 15.0 22.6
179 17.2 12.5 18.7





#75
Fluoranthene
Concen: 14.538 ng
RT: 12.539 min Scan# 1776
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

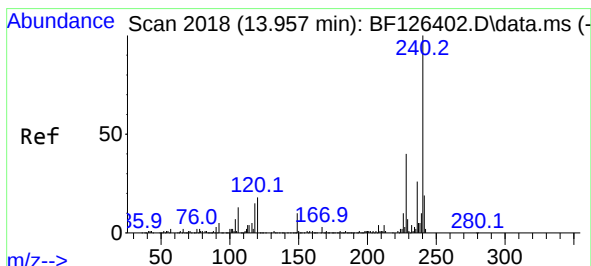
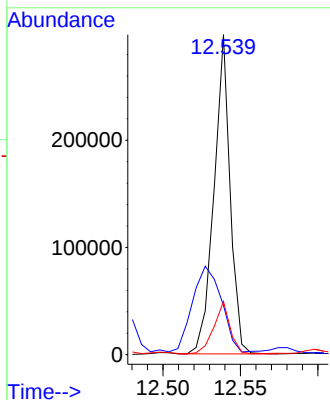
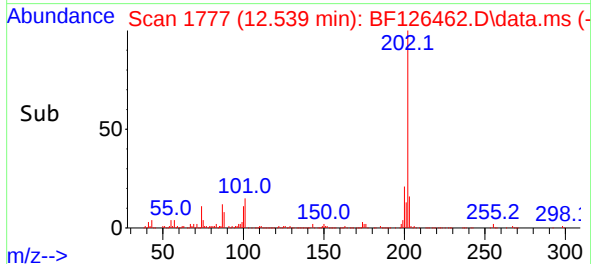
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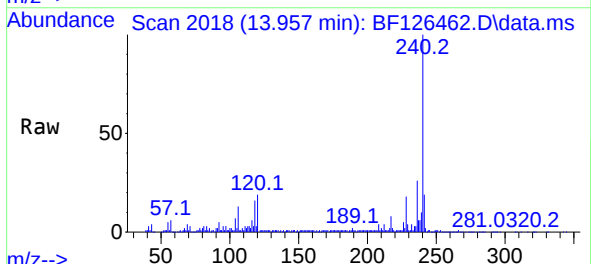
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Ion Ratio Lower Upper
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101 15.4 0.0 35.7
203 16.6 0.0 37.1

Manual Integrations
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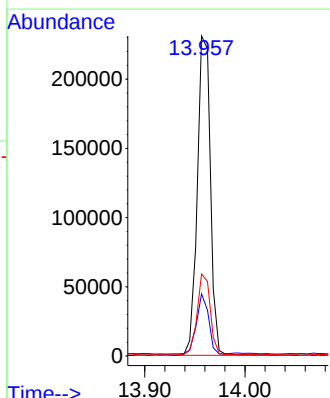
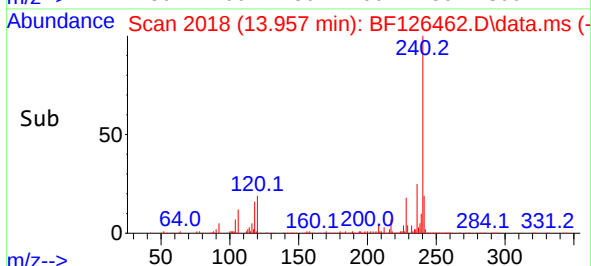
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

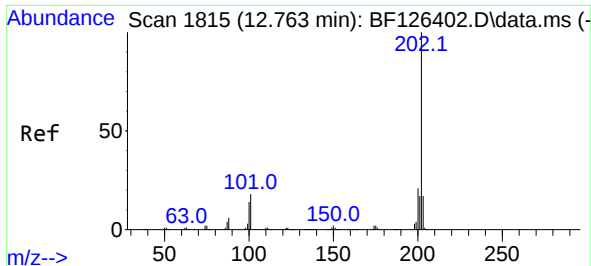


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



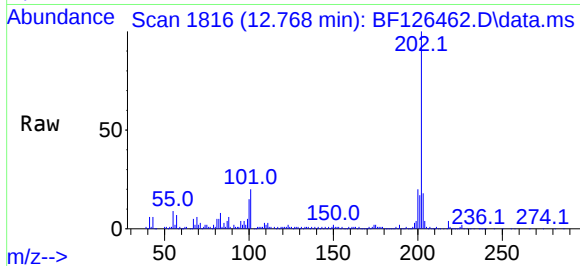
Tgt Ion:240 Resp: 210502
Ion Ratio Lower Upper
240 100
120 19.4 14.4 21.6
236 25.6 20.5 30.7





#78
Pyrene
Concen: 12.892 ng
RT: 12.768 min Scan# 1815
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

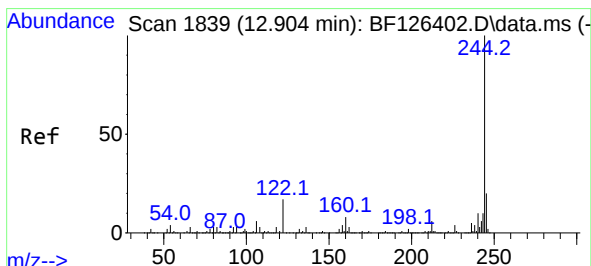
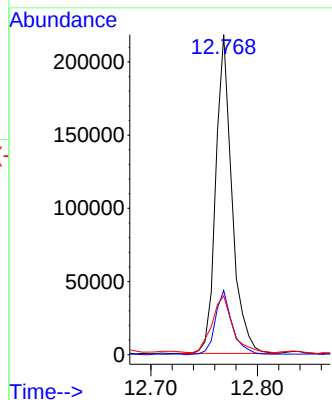
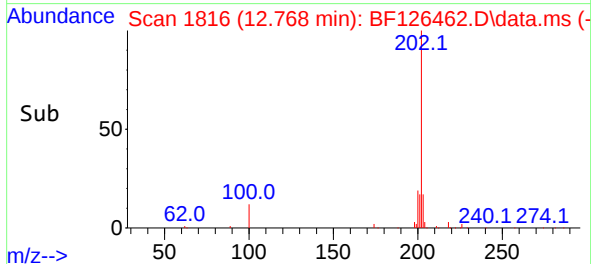
Instrument :
BNA_F
ClientSampleId :
TR-04-122921



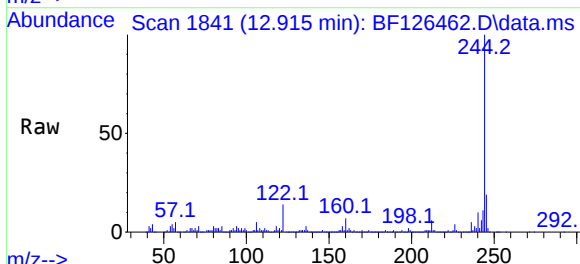
Tgt Ion:202 Resp: 229334
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 18.4 13.8 20.8

Manual Integrations
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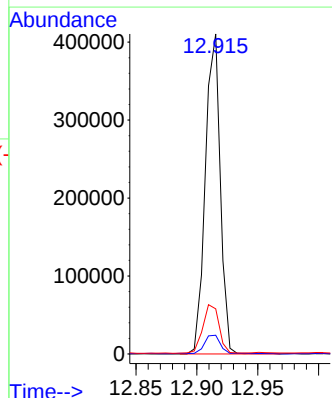
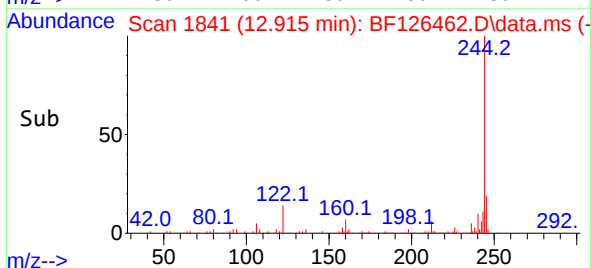
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

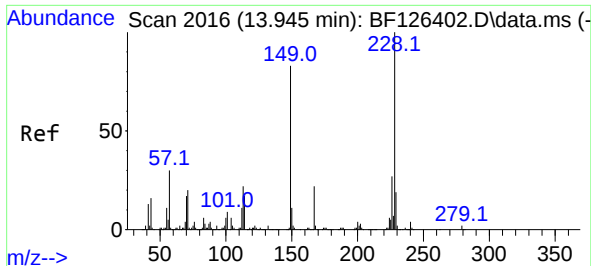


#79
Terphenyl-d14
Concen: 32.349 ng
RT: 12.915 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



Tgt Ion:244 Resp: 350481
Ion Ratio Lower Upper
244 100
212 5.8 5.0 7.4
122 14.1 13.3 19.9





#81
Benzo(a)anthracene
Concen: 7.687 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

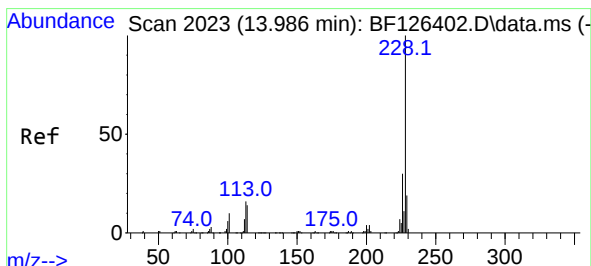
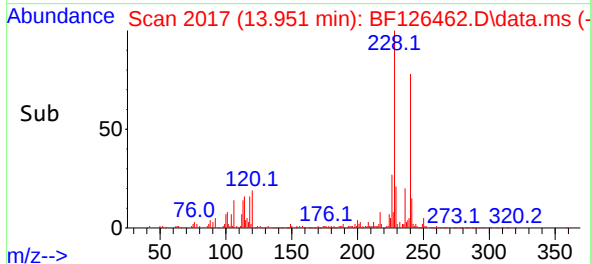
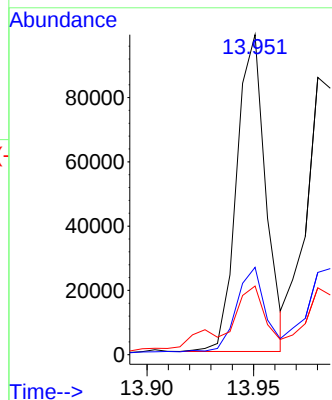
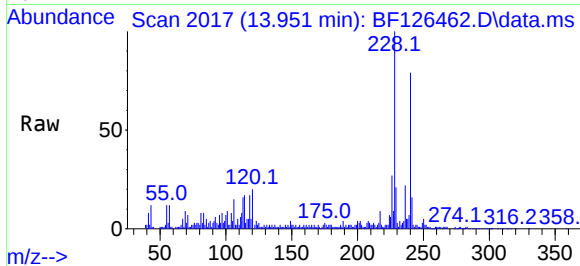
TR-04-122921

Tgt Ion:228 Resp: 93054
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.0
229 21.4 15.4 23.2

Manual Integrations

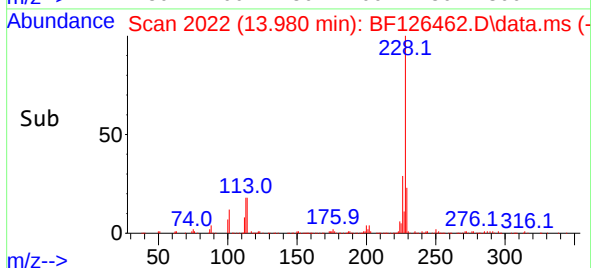
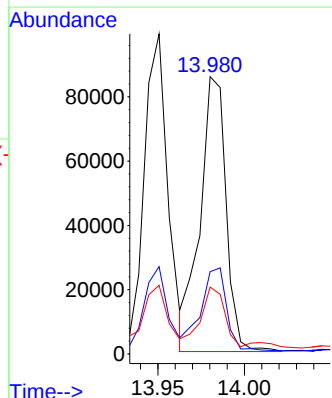
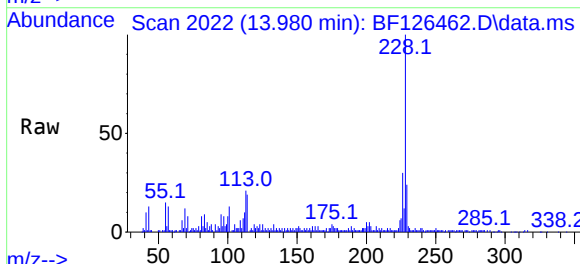
APPROVED

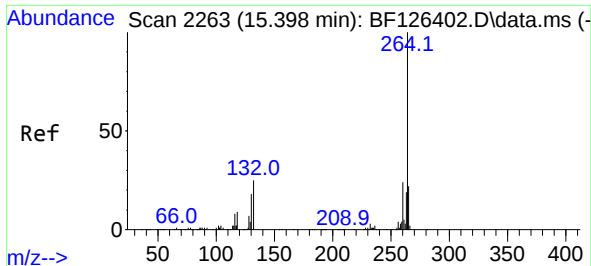
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#83
Chrysene
Concen: 7.221 ng m
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:228 Resp: 89668
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 24.1 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

ClientSampleId :

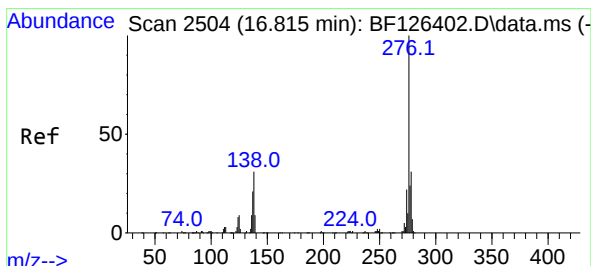
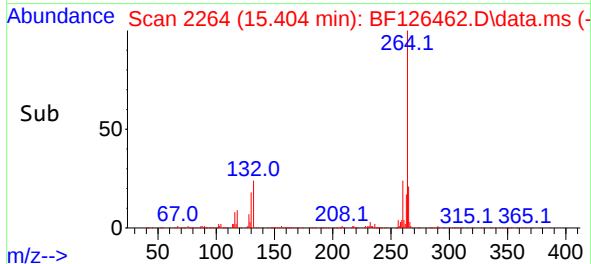
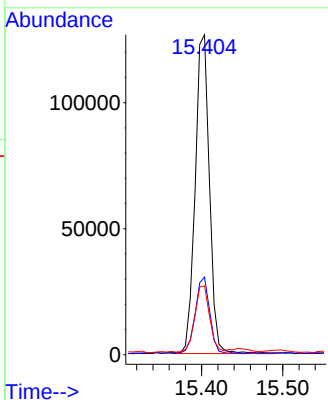
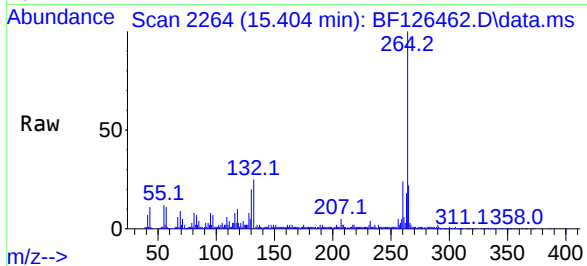
TR-04-122921

Tgt Ion:264 Resp: 15490
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 21.5 17.4 26.2

Manual Integrations

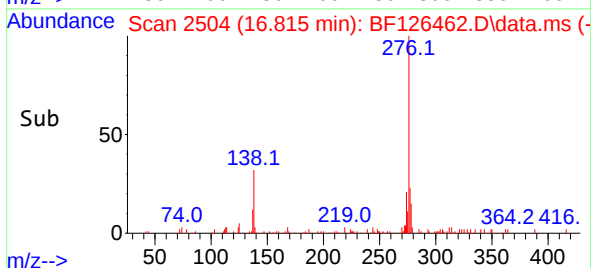
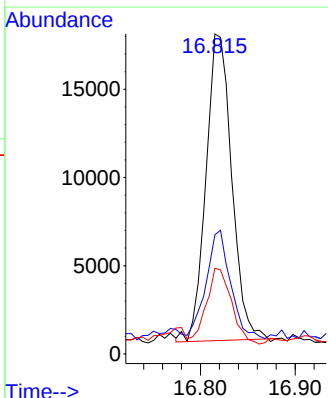
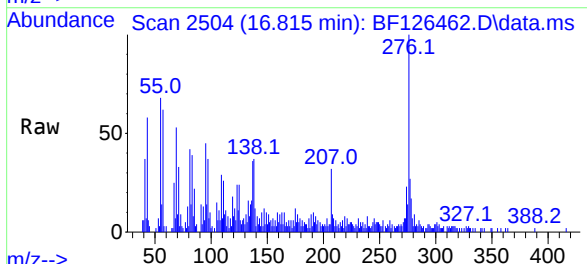
APPROVED

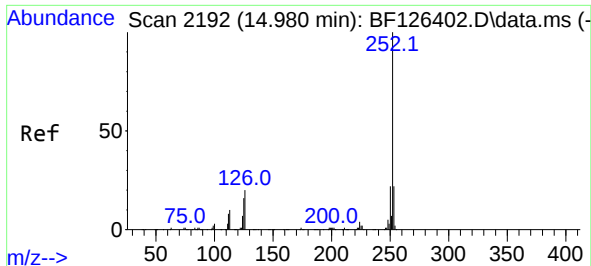
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.165 ng
RT: 16.815 min Scan# 2504
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

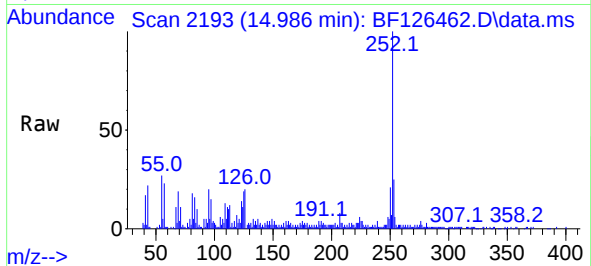
Tgt Ion:276 Resp: 32814
Ion Ratio Lower Upper
276 100
138 33.9 29.2 43.8
277 24.2 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 10.564 ng m
RT: 14.986 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

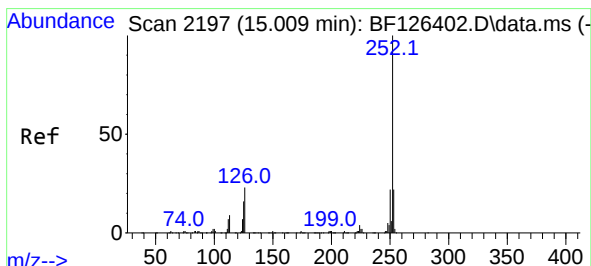
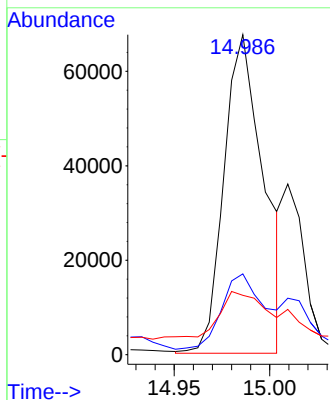
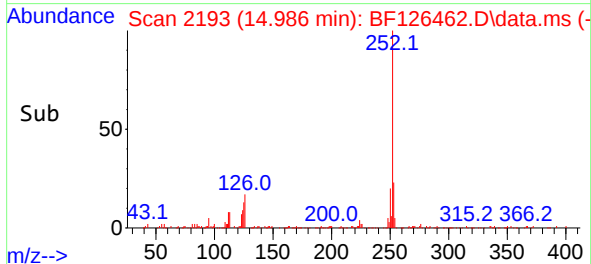
Instrument :
BNA_F
ClientSampleId :
TR-04-122921



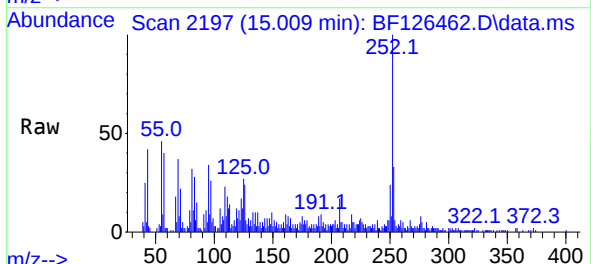
Tgt Ion:252 Resp: 9748
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 18.5 12.4 18.6

Manual Integrations
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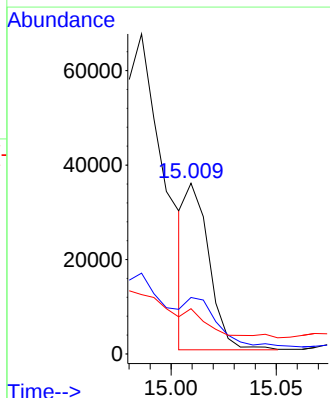
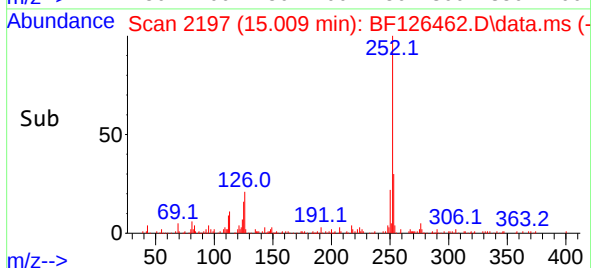
Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022

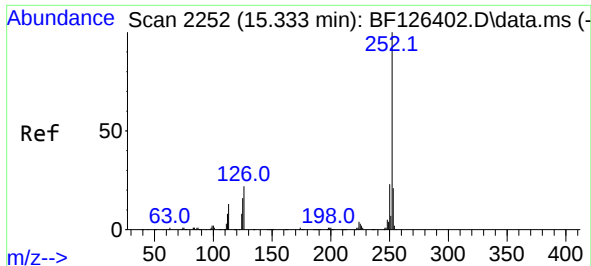


#89
Benzo(k)fluoranthene
Concen: 3.064 ng m
RT: 15.009 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27



Tgt Ion:252 Resp: 27389
Ion Ratio Lower Upper
252 100
253 33.1 17.5 26.3#
125 26.5 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 7.850 ng
RT: 15.339 min Scan# 2252
Delta R.T. 0.006 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Instrument :

BNA_F

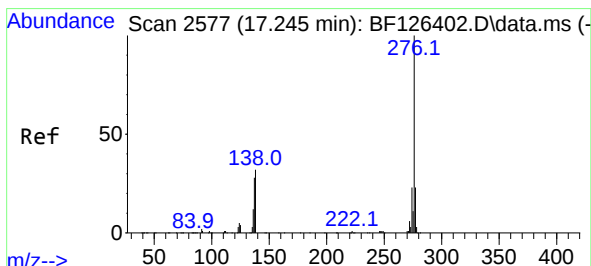
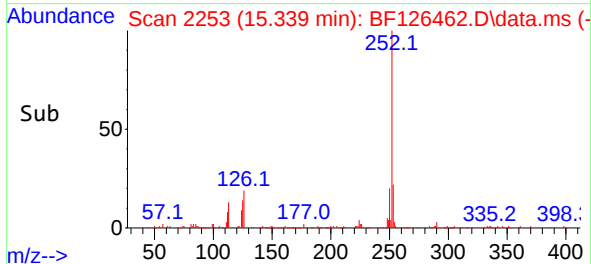
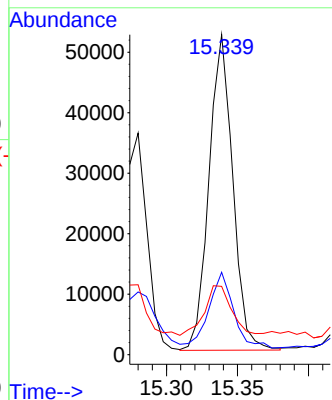
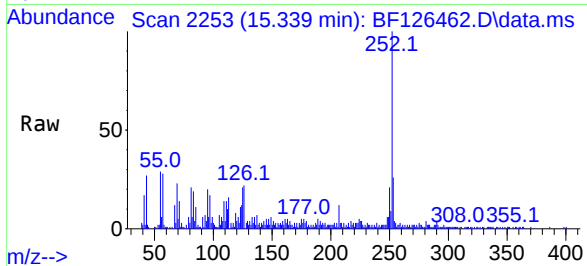
ClientSampleId :

TR-04-122921

Tgt Ion:252 Resp: 60739
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7
125 21.4 13.0 19.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/04/2022
Supervised By :Jagrut Upadhyay 01/04/2022



#92
Benzo(g,h,i)perylene
Concen: 3.401 ng
RT: 17.245 min Scan# 2577
Delta R.T. 0.000 min
Lab File: BF126462.D
Acq: 3 Jan 2022 18:27

Tgt Ion:276 Resp: 30292
Ion Ratio Lower Upper
276 100
277 26.3 18.5 27.7
138 36.0 25.9 38.9

