

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
 Data File : BF126032.D
 Acq On : 3 Nov 2021 21:59
 Operator : JU/CG
 Sample : M4470-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2021
 Supervised By : mohammad ahmed 11/08/2021

Quant Time: Nov 04 10:12:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	160020	20.00	ng	0.00
21) Naphthalene-d8	8.134	136	598568	20.00	ng	# 0.00
39) Acenaphthene-d10	9.886	164	343445	20.00	ng	0.00
64) Phenanthrene-d10	11.369	188	556606	20.00	ng	0.00
76) Chrysene-d12	14.004	240	330801	20.00	ng	# 0.00
86) Perylene-d12	15.468	264	335869	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	199324	21.39	ng	0.00
7) Phenol-d6	6.469	99	266812	20.31	ng	-0.02
23) Nitrobenzene-d5	7.404	82	186882	14.72	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	59083	15.01	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	366091	14.40	ng	-0.01
79) Terphenyl-d14	12.951	244	277914	13.55	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	161738	5.36	ng	97
75) Fluoranthene	12.580	202	708009	21.06	ng	95
78) Pyrene	12.810	202	608030	22.92	ng	97
81) Benzo(a)anthracene	13.998	228	335296m	14.75	ng	
83) Chrysene	14.033	228	266418	12.60	ng	95
87) Indeno(1,2,3-cd)pyrene	16.915	276	137897	6.94	ng	# 83
88) Benzo(b)fluoranthene	15.045	252	405699m	18.57	ng	
89) Benzo(k)fluoranthene	15.068	252	110193m	5.20	ng	
90) Benzo(a)pyrene	15.404	252	282027m	16.39	ng	
91) Dibenzo(a,h)anthracene	16.921	278	36460m	2.23	ng	
92) Benzo(g,h,i)perylene	17.351	276	108176	6.91	ng	# 81

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

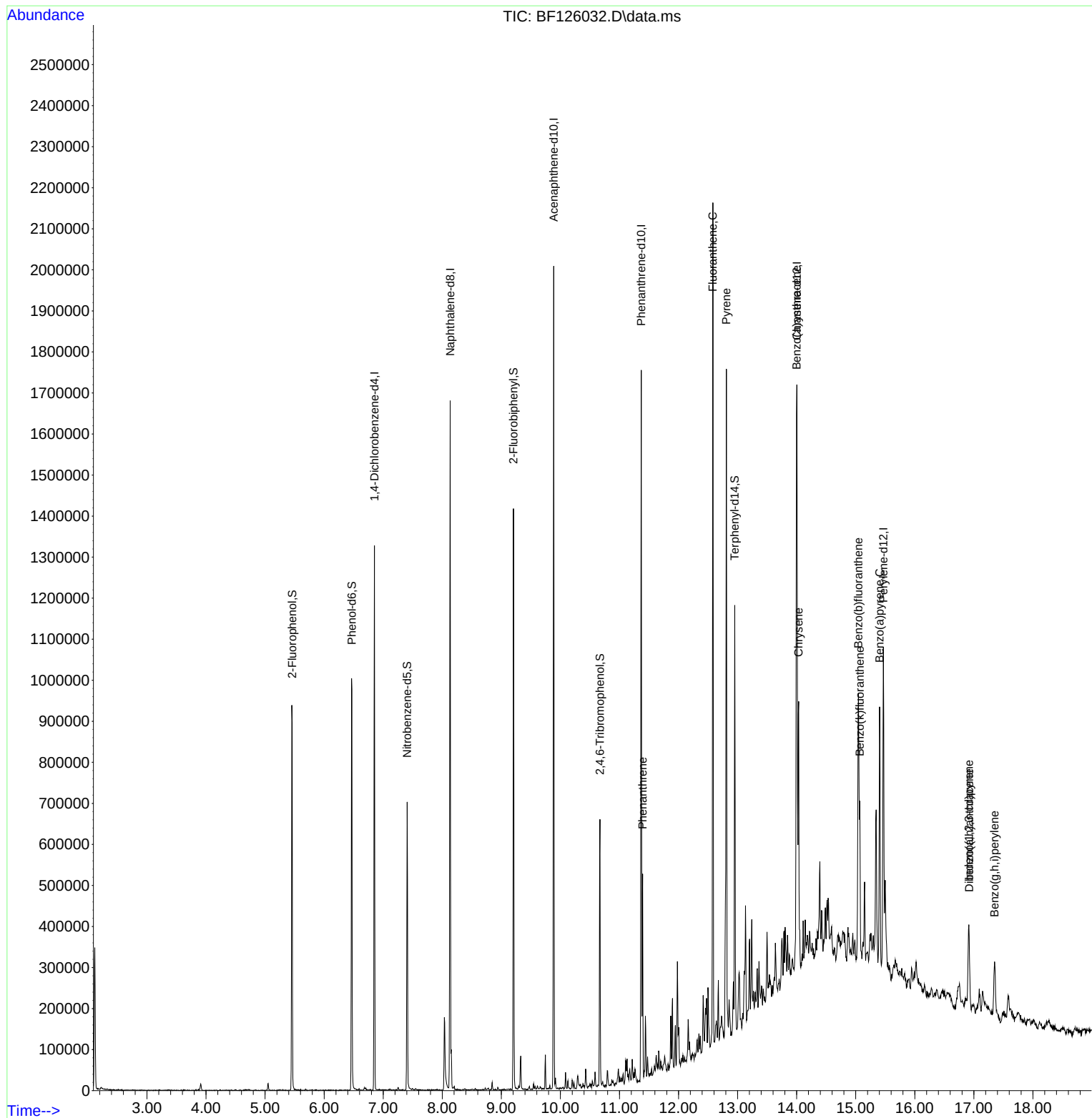
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110321\
Data File : BF126032.D
Acq On : 3 Nov 2021 21:59
Operator : JU/CG
Sample : M4470-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

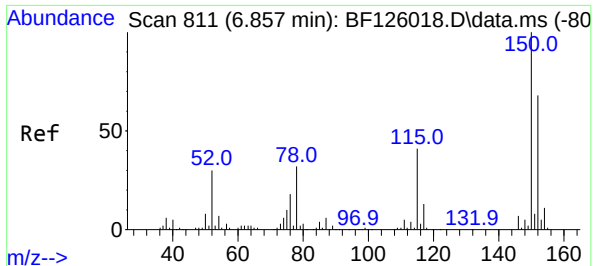
Instrument :
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Quant Time: Nov 04 10:12:44 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
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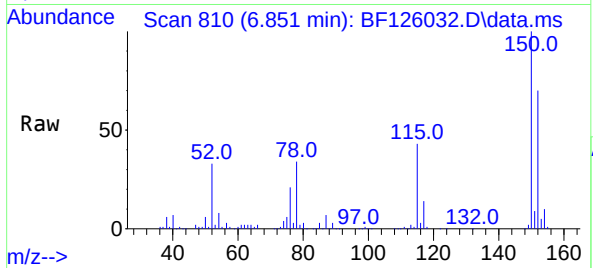
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

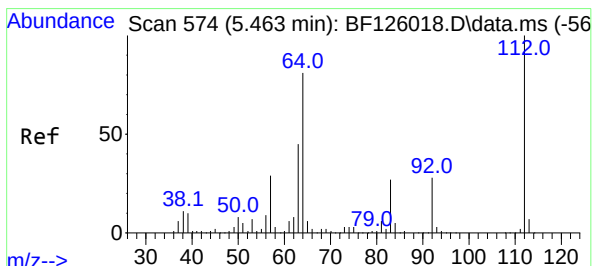
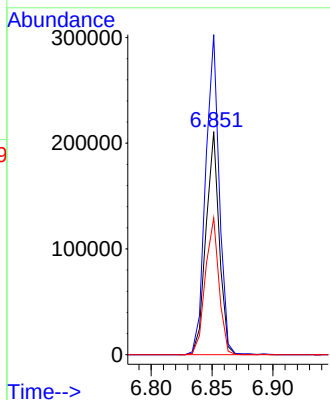
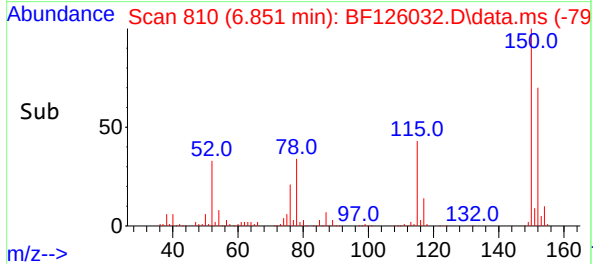
Instrument :
BNA_F
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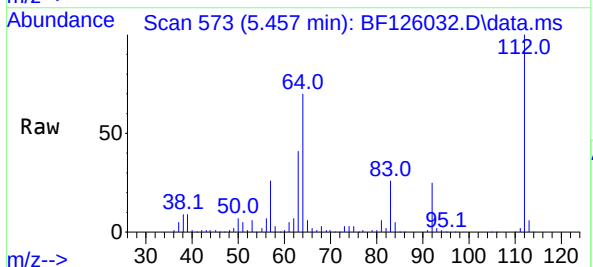
Tgt Ion:152 Resp: 160020
Ion Ratio Lower Upper
152 100
150 143.4 117.6 176.4
115 61.3 47.1 70.7

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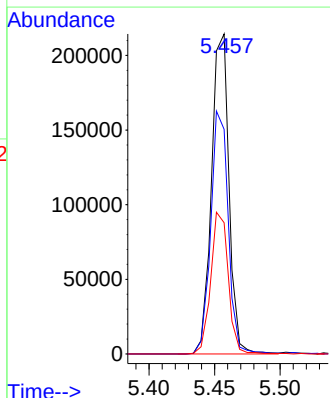
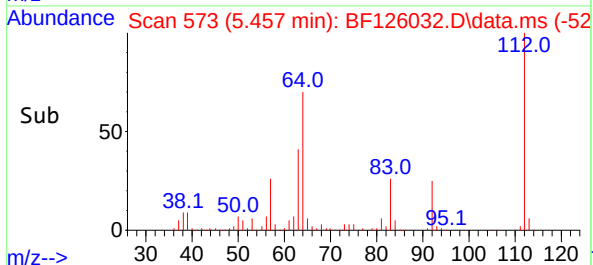
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

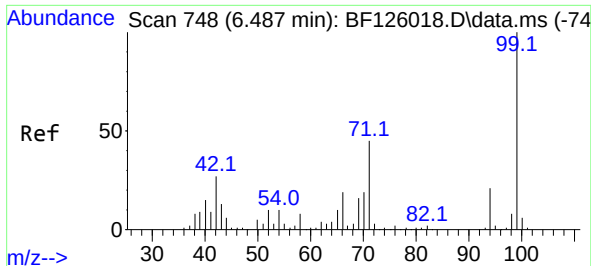


#5
2-Fluorophenol
Concen: 21.39 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



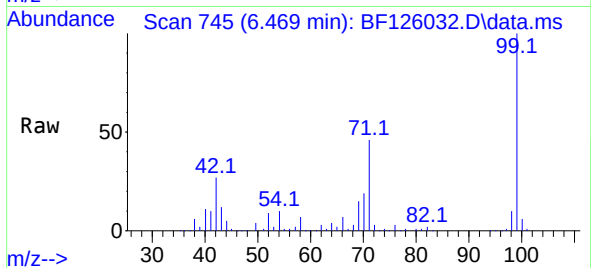
Tgt Ion:112 Resp: 199324
Ion Ratio Lower Upper
112 100
64 70.2 44.2 66.2#
63 41.0 26.2 39.2#





#7
Phenol-d6
Concen: 20.31 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

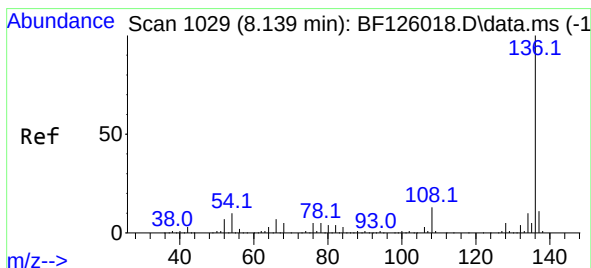
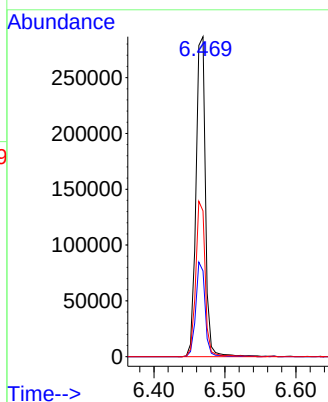
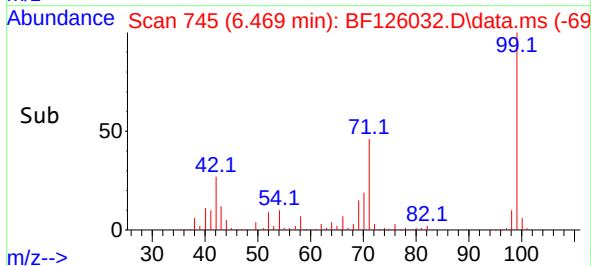
Instrument :
BNA_F
ClientSampleId :
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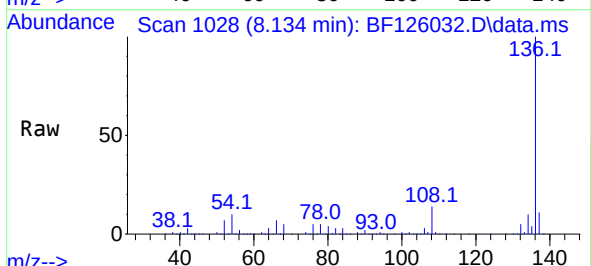
Tgt Ion: 99 Resp: 266812
Ion Ratio Lower Upper
99 100
42 26.8 23.5 35.3
71 45.5 25.6 38.4

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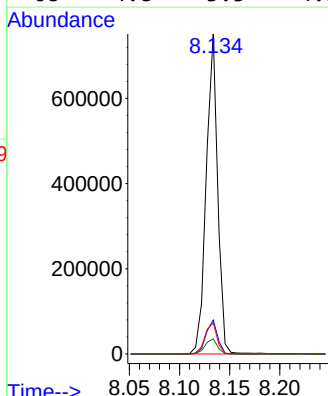
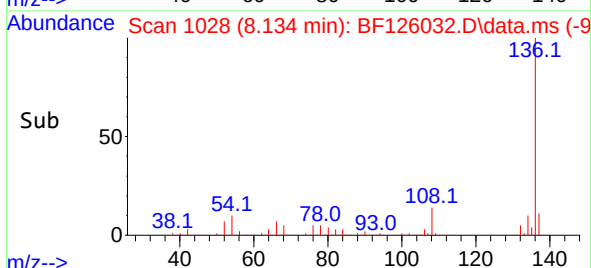
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

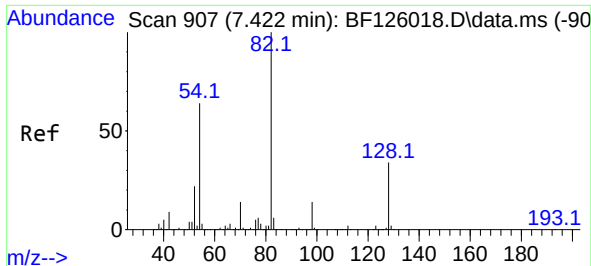


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



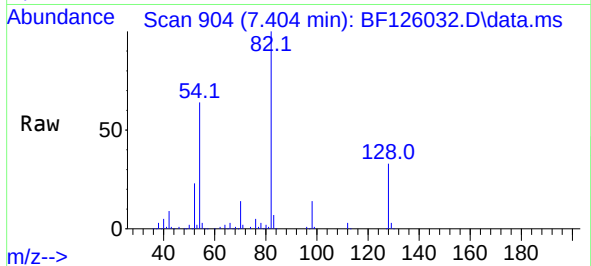
Tgt Ion:136 Resp: 598568
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.7 6.4 9.6#
68 4.8 3.3 4.9





#23
Nitrobenzene-d5
Concen: 14.72 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

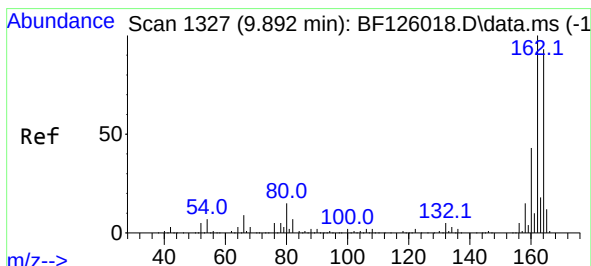
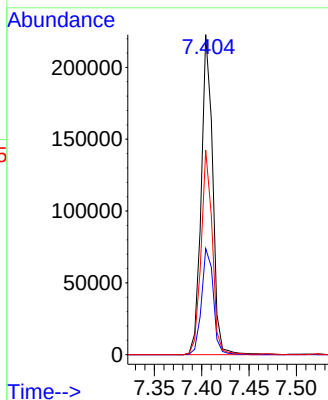
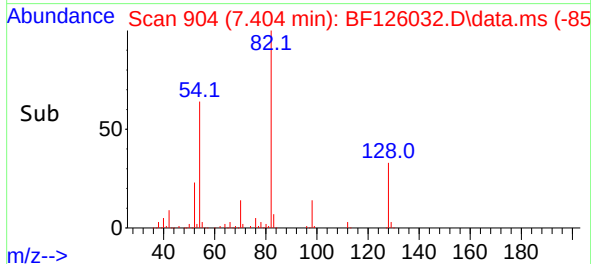
Instrument :
BNA_F
ClientSampleId :
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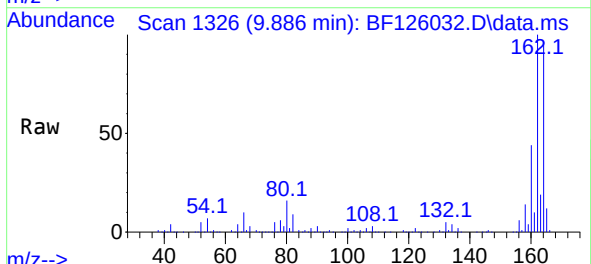
Tgt Ion: 82 Resp: 186882
Ion Ratio Lower Upper
82 100
128 33.2 40.6 60.8
54 63.9 49.6 74.4

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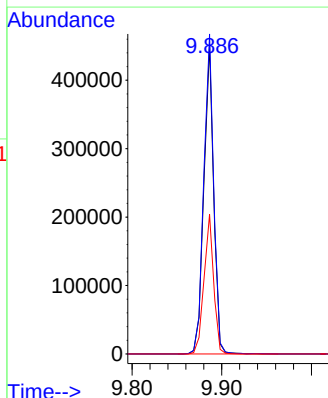
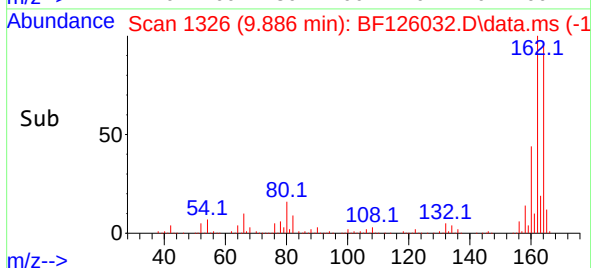
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

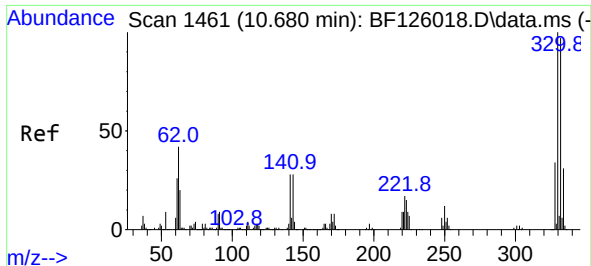


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



Tgt Ion:164 Resp: 343445
Ion Ratio Lower Upper
164 100
162 103.7 81.3 121.9
160 45.2 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 15.01 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Instrument :

BNA_F

ClientSampleId :

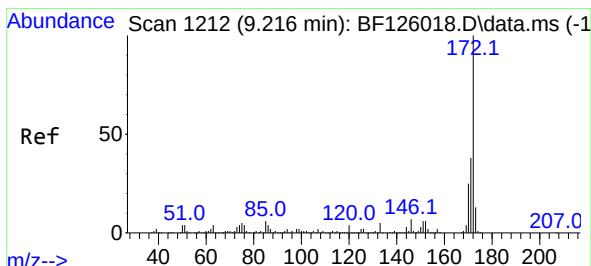
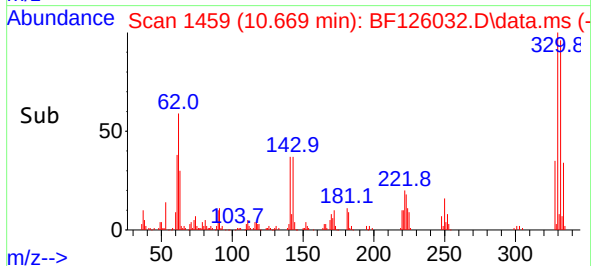
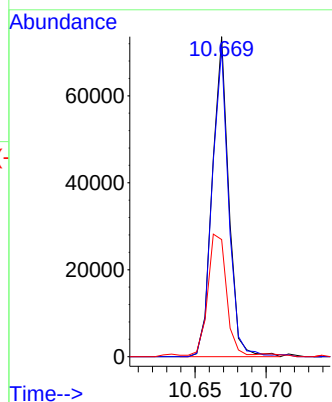
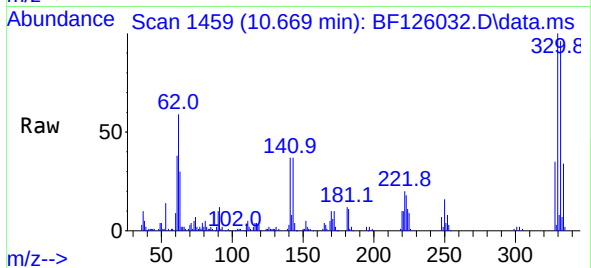
SP-3

Tgt Ion:330 Resp: 5908
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 45.1 44.6 66.8

Manual Integrations

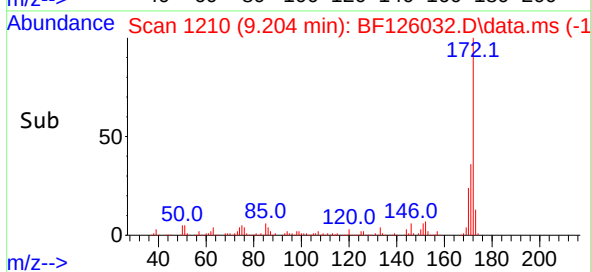
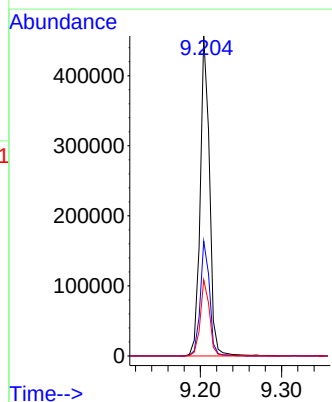
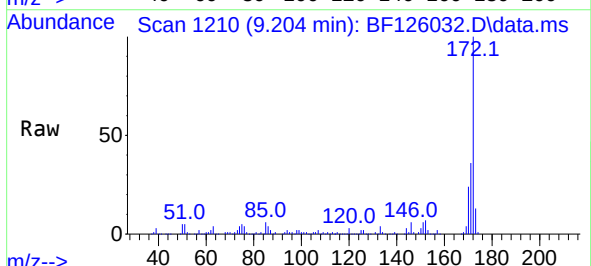
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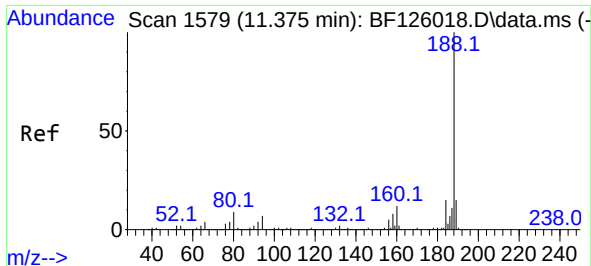
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#45
2-Fluorobiphenyl
Concen: 14.40 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

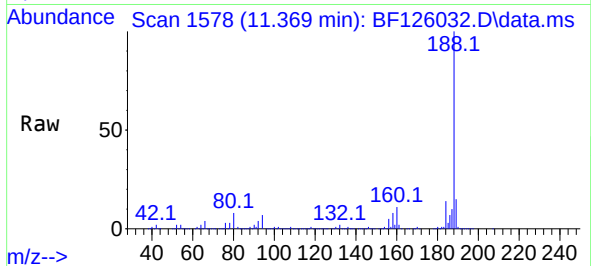
Tgt Ion:172 Resp: 366091
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 23.8 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

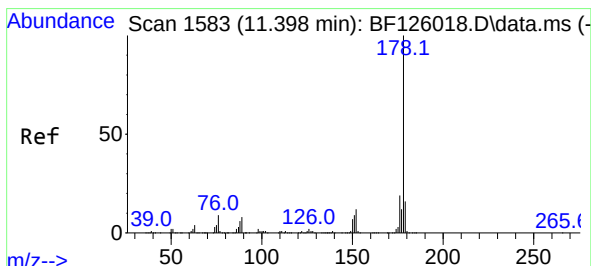
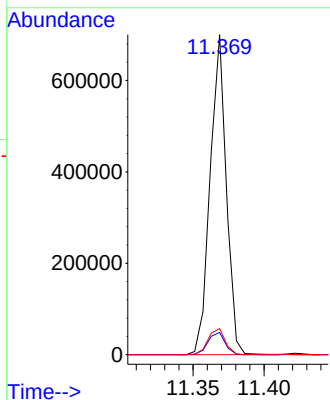
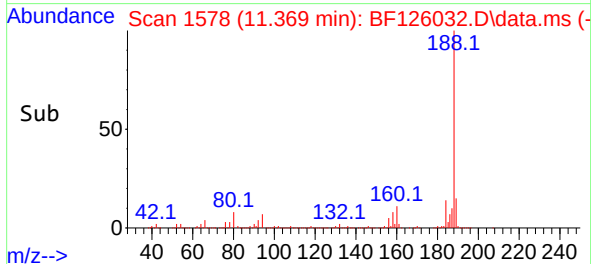
Instrument :
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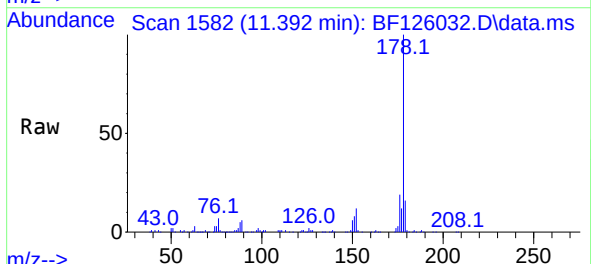
Tgt Ion:188 Resp: 556600
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 8.2 7.5 11.3

Manual Integrations
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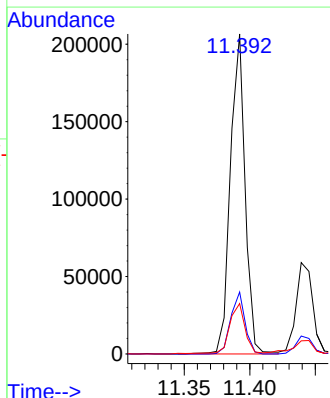
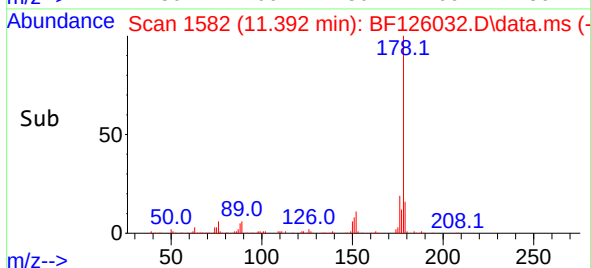
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

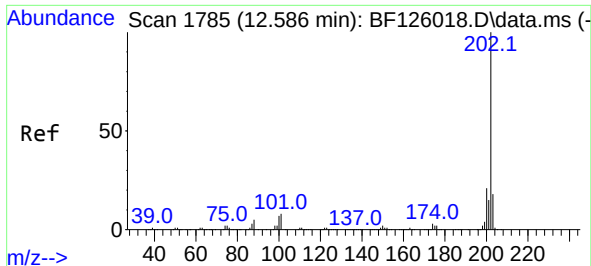


#71
Phenanthrene
Concen: 5.36 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



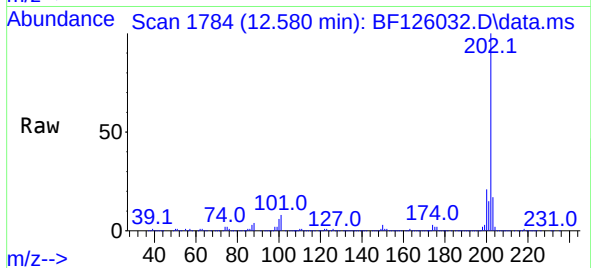
Tgt Ion:178 Resp: 161738
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 15.7 11.5 17.3





#75
Fluoranthene
Concen: 21.06 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

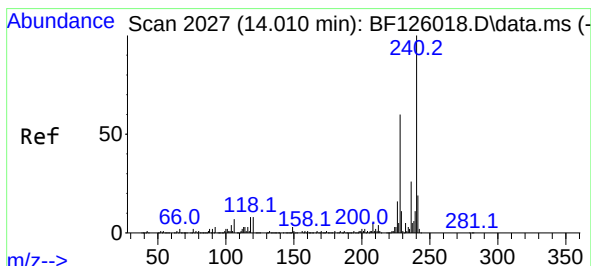
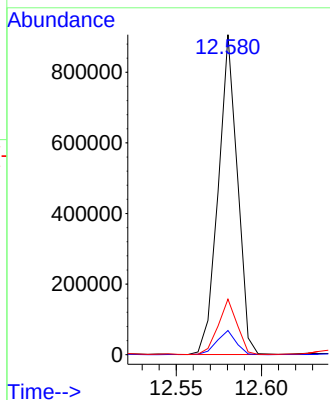
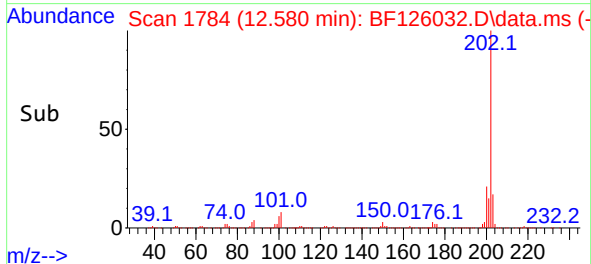
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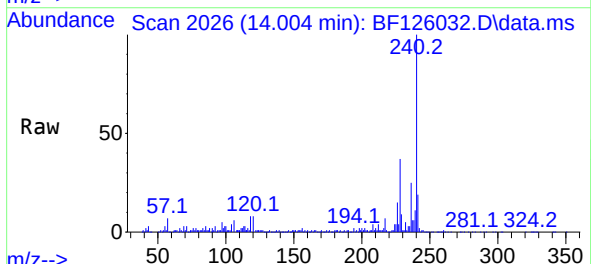
Tgt Ion:202 Resp: 708009
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.7
203 17.3 0.0 36.3

Manual Integrations
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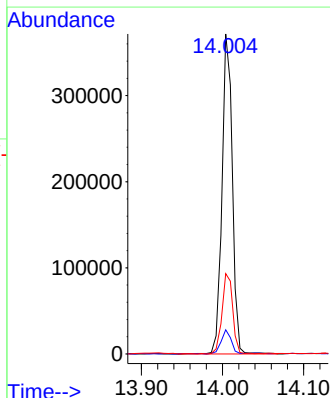
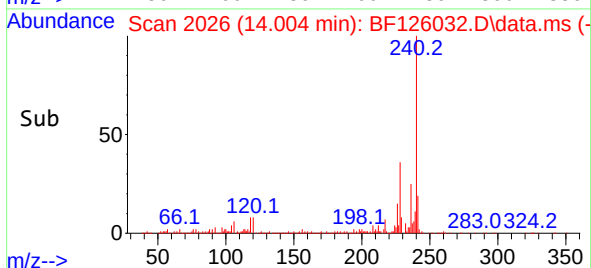
Reviewed By :Christian Giraldo 11/04/2021
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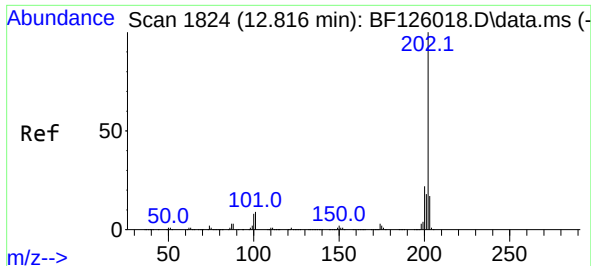


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



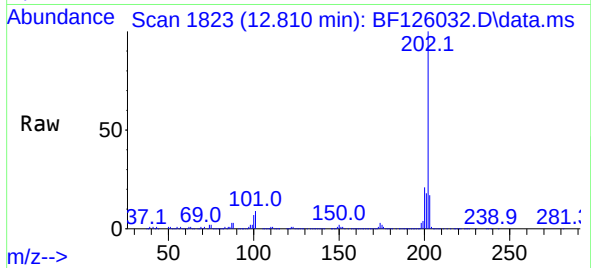
Tgt Ion:240 Resp: 330801
Ion Ratio Lower Upper
240 100
120 7.5 10.8 16.2#
236 25.1 21.6 32.4





#78
Pyrene
Concen: 22.92 ng
RT: 12.810 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

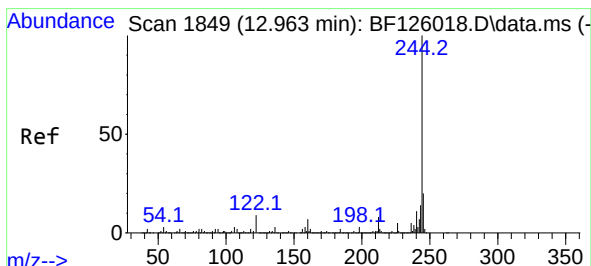
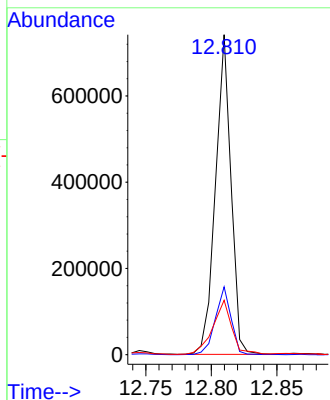
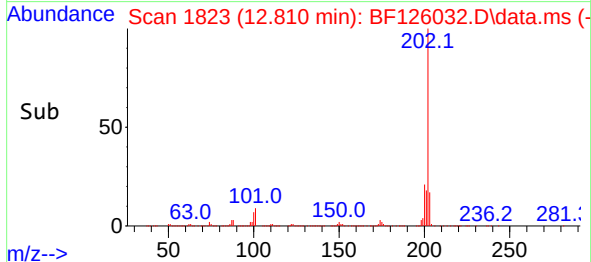
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 608030
Ion Ratio Lower Upper
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200 21.2 15.3 22.9
203 17.0 13.4 20.0

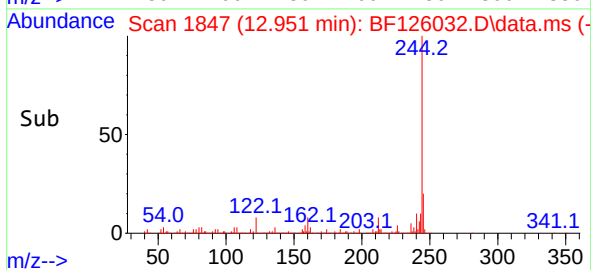
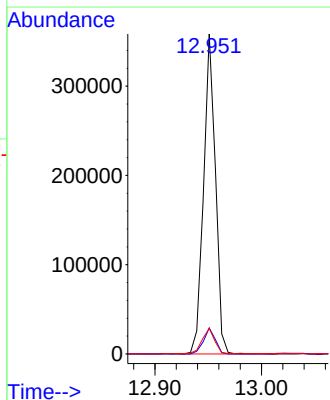
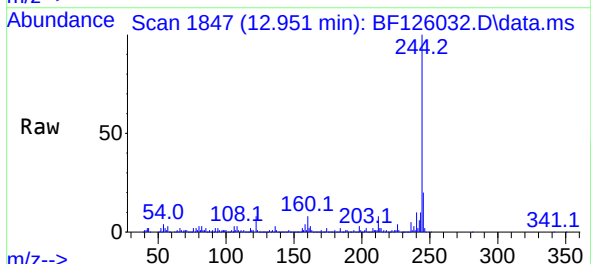
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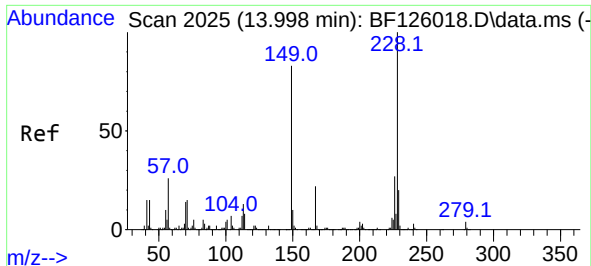
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#79
Terphenyl-d14
Concen: 13.55 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

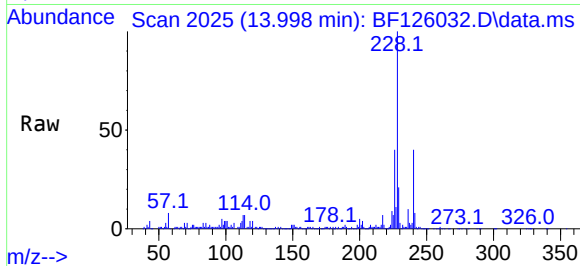
Tgt Ion:244 Resp: 277914
Ion Ratio Lower Upper
244 100
212 8.2 5.9 8.9
122 8.0 9.0 13.4





#81
Benzo(a)anthracene
Concen: 14.75 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

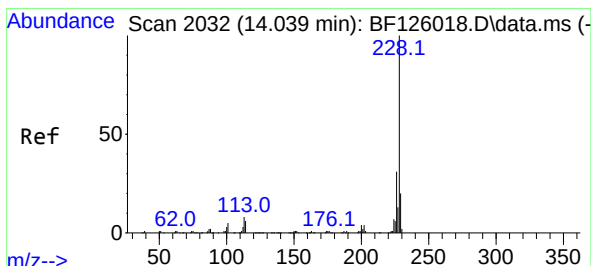
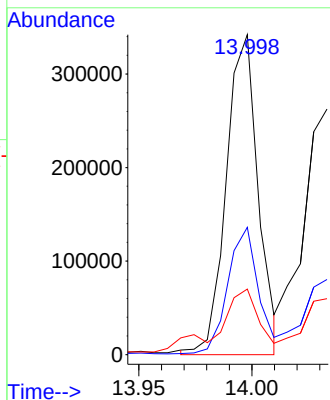
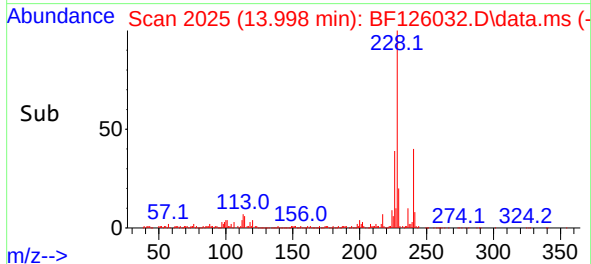
Instrument :
BNA_F
ClientSampleId :
SP-3



Tgt Ion:228 Resp: 335290
Ion Ratio Lower Upper
228 100
226 39.8 21.6 32.4
229 20.5 15.6 23.4

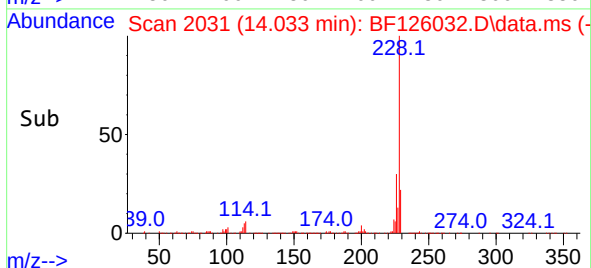
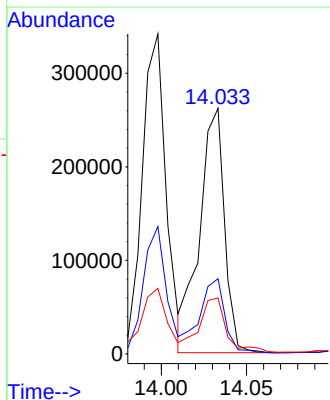
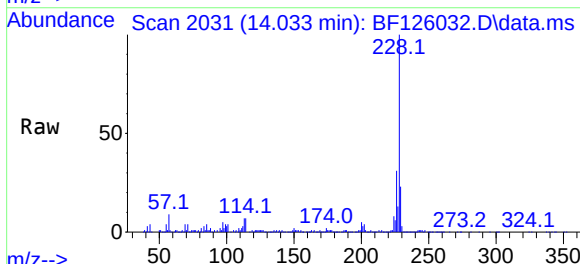
Manual Integrations
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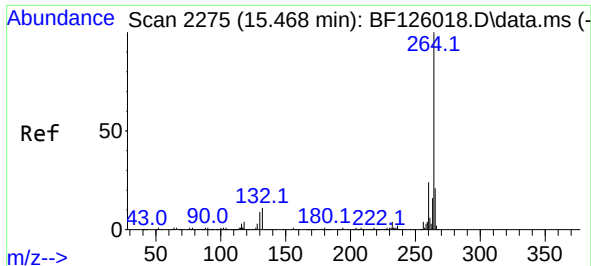
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021



#83
Chrysene
Concen: 12.60 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

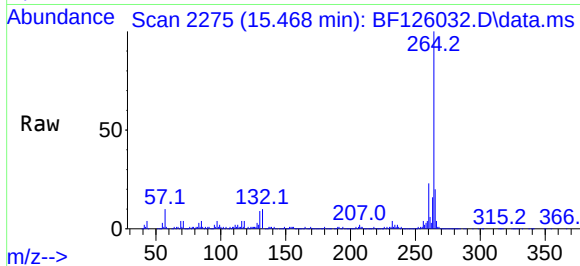
Tgt Ion:228 Resp: 266418
Ion Ratio Lower Upper
228 100
226 30.6 22.6 34.0
229 22.8 15.9 23.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

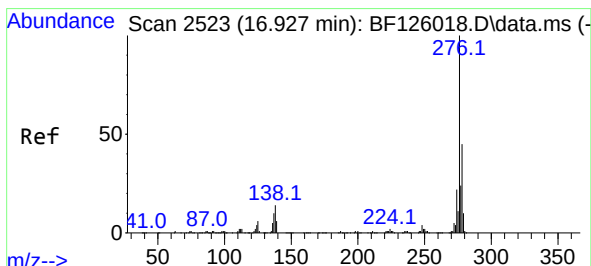
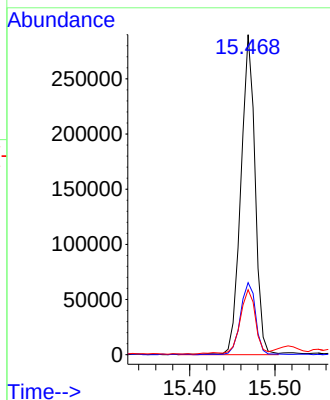
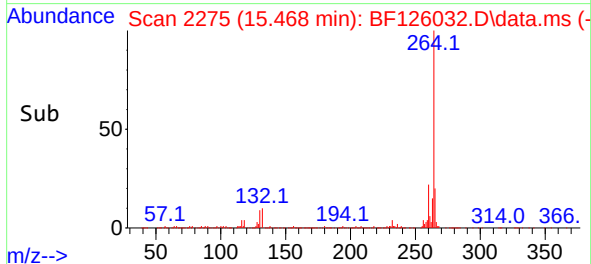
Instrument :
BNA_F
ClientSampleId :
SP-3



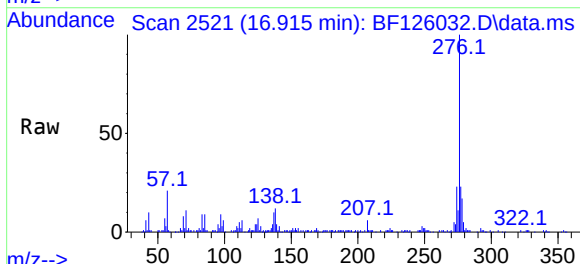
Tgt Ion:264 Resp: 335869
Ion Ratio Lower Upper
264 100
260 22.5 19.6 29.4
265 20.3 17.2 25.8

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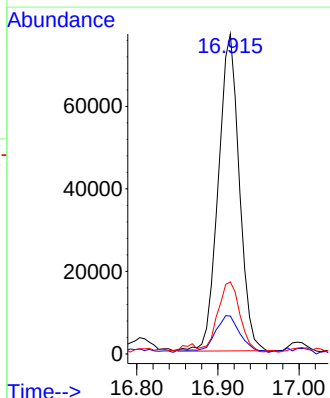
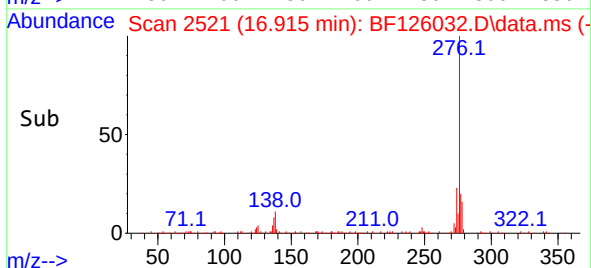
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

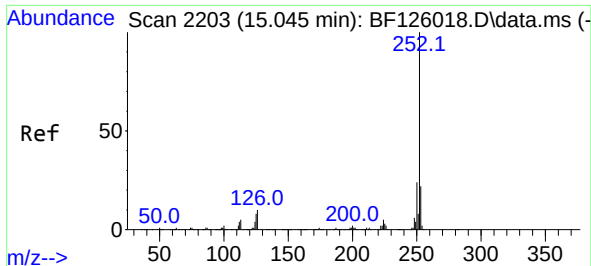


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.94 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



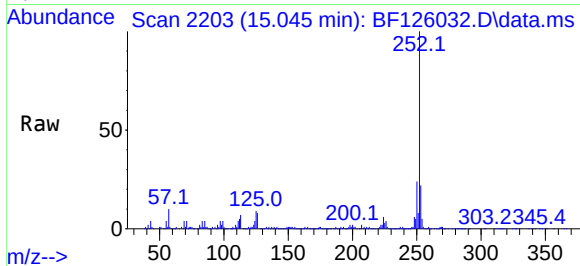
Tgt Ion:276 Resp: 137897
Ion Ratio Lower Upper
276 100
138 13.4 24.1 36.1#
277 23.4 18.8 28.2





#88
Benzo(b)fluoranthene
Concen: 18.57 ng m
RT: 15.045 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

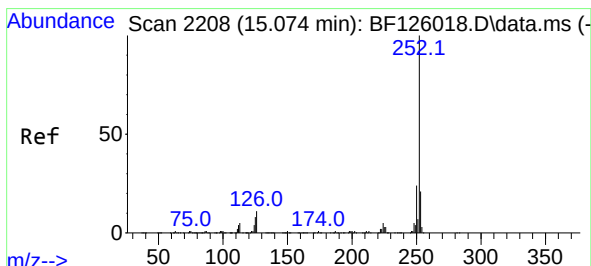
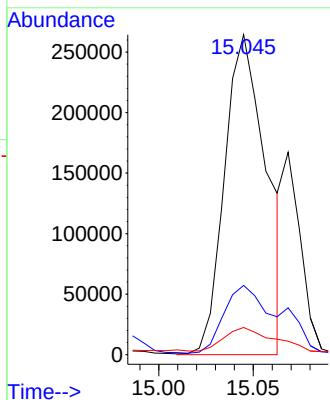
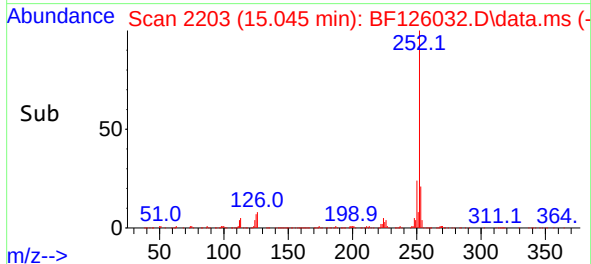
Instrument :
BNA_F
ClientSampleId :
SP-3



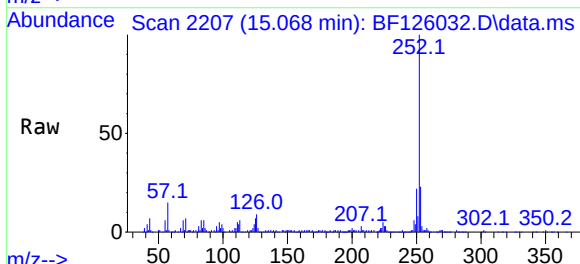
Tgt Ion:252 Resp: 405699
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 8.5 9.8 14.8

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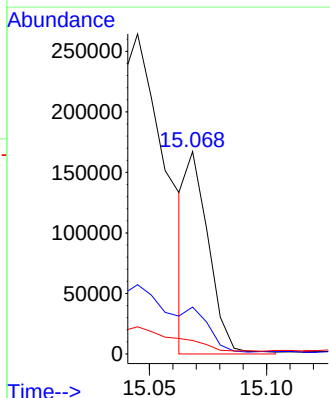
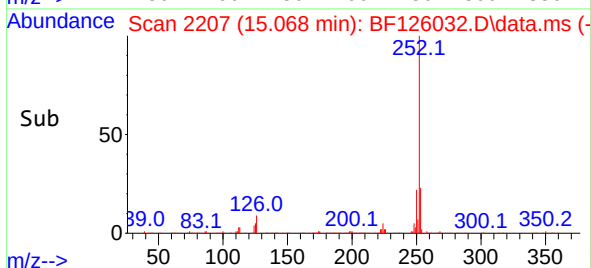
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

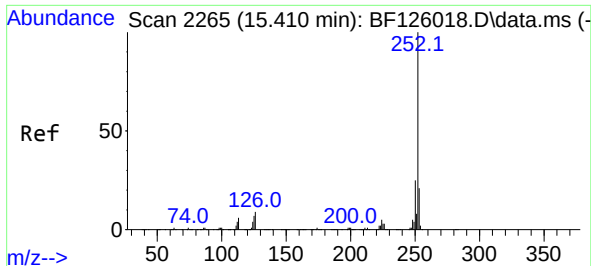


#89
Benzo(k)fluoranthene
Concen: 5.20 ng m
RT: 15.068 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



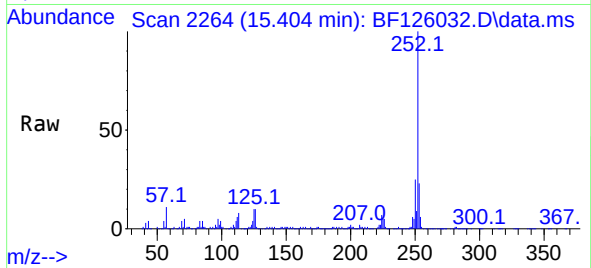
Tgt Ion:252 Resp: 110193
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 6.6 7.2 10.8





#90
Benzo(a)pyrene
Concen: 16.39 ng m
RT: 15.404 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

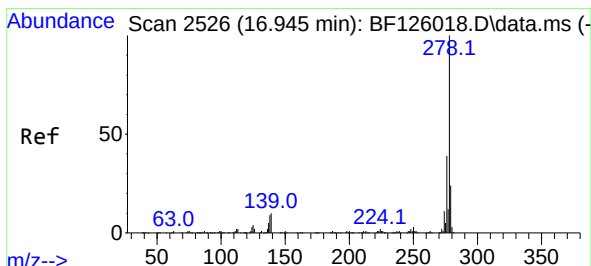
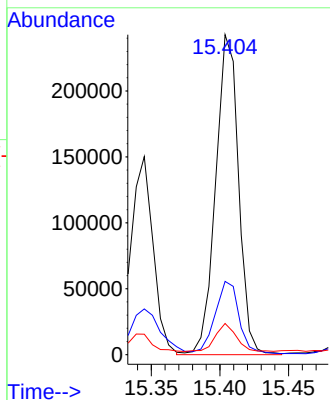
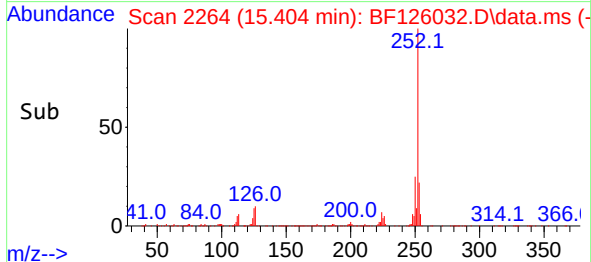
Instrument :
BNA_F
ClientSampleId :
SP-3



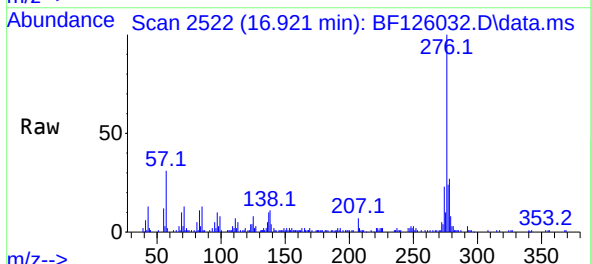
Tgt Ion:252 Resp: 28202
Ion Ratio Lower Upper
252 100
253 22.9 18.4 27.6
125 9.8 9.9 14.9

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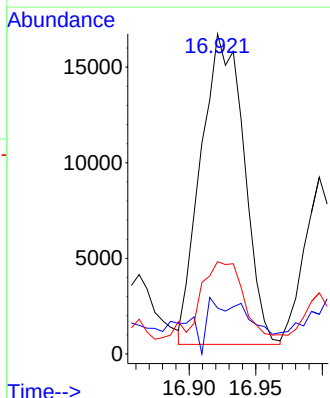
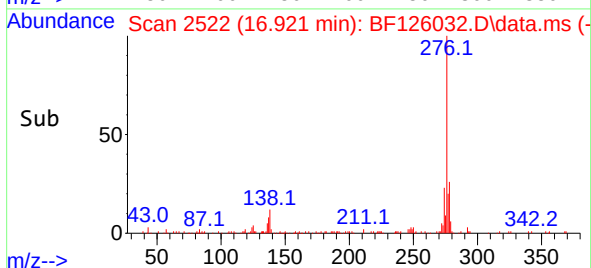
Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

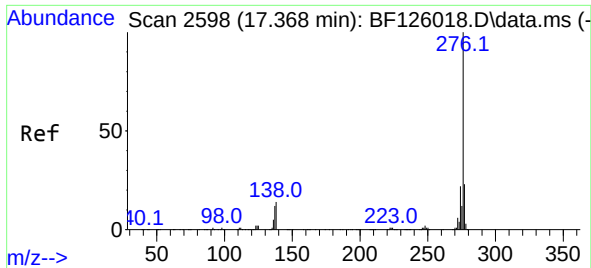


#91
Dibenzo(a,h)anthracene
Concen: 2.23 ng m
RT: 16.921 min Scan# 2522
Delta R.T. -0.024 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59



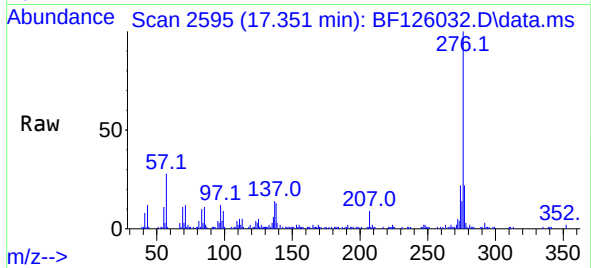
Tgt Ion:278 Resp: 36460
Ion Ratio Lower Upper
278 100
139 14.4 14.9 22.3#
279 28.9 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 6.91 ng
RT: 17.351 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF126032.D
Acq: 3 Nov 2021 21:59

Instrument :
BNA_F
ClientSampleId :
SP-3



Tgt Ion:276 Resp: 108170
Ion Ratio Lower Upper
276 100
277 22.1 22.0 33.0
138 12.9 22.2 33.4

Manual Integrations
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Reviewed By :Christian Giraldo 11/04/2021
Supervised By :mohammad ahmed 11/08/2021

