

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126332.D
 Acq On : 22 Dec 2021 16:46
 Operator : JU/CG
 Sample : M5198-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-G2

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/23/2021
 Supervised By :mohammad ahmed 12/29/2021

Quant Time: Dec 22 17:09:07 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	139896	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	551111	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	220397	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	303734	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	230066	20.000	ng	0.00
86) Perylene-d12	15.427	264	299127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	856552	90.167	ng	0.00
7) Phenol-d6	6.440	99	1031100	85.483	ng	0.00
23) Nitrobenzene-d5	7.375	82	646439	63.527	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	142904	80.682	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	877518	69.831	ng	0.00
79) Terphenyl-d14	12.922	244	636859	48.114	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.810	142	126378	7.962	ng	96
38) 1-Methylnaphthalene	8.910	142	129489	8.407	ng	94
52) Acenaphthene	9.886	154	150017	12.347	ng	100
55) Dibenzofuran	10.057	168	54544	3.297	ng	# 92
58) Fluorene	10.398	166	109106	9.111	ng	98
71) Phenanthrene	11.369	178	2022263	128.998	ng	96
72) Anthracene	11.416	178	377367	23.983	ng	99
75) Fluoranthene	12.557	202	1075035	76.112	ng	95
78) Pyrene	12.786	202	1609065	76.127	ng	96
81) Benzo(a)anthracene	13.969	228	716037	52.542	ng	98
83) Chrysene	14.004	228	638165	45.070	ng	97
87) Indeno(1,2,3-cd)pyrene	16.857	276	260611	13.062	ng	99
88) Benzo(b)fluoranthene	15.010	252	593079m	32.998	ng	
89) Benzo(k)fluoranthene	15.033	252	183415m	10.668	ng	
90) Benzo(a)pyrene	15.368	252	482945	32.330	ng	# 96
91) Dibenzo(a,h)anthracene	16.868	278	81775m	5.042	ng	
92) Benzo(g,h,i)perylene	17.292	276	249200	14.850	ng	92

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

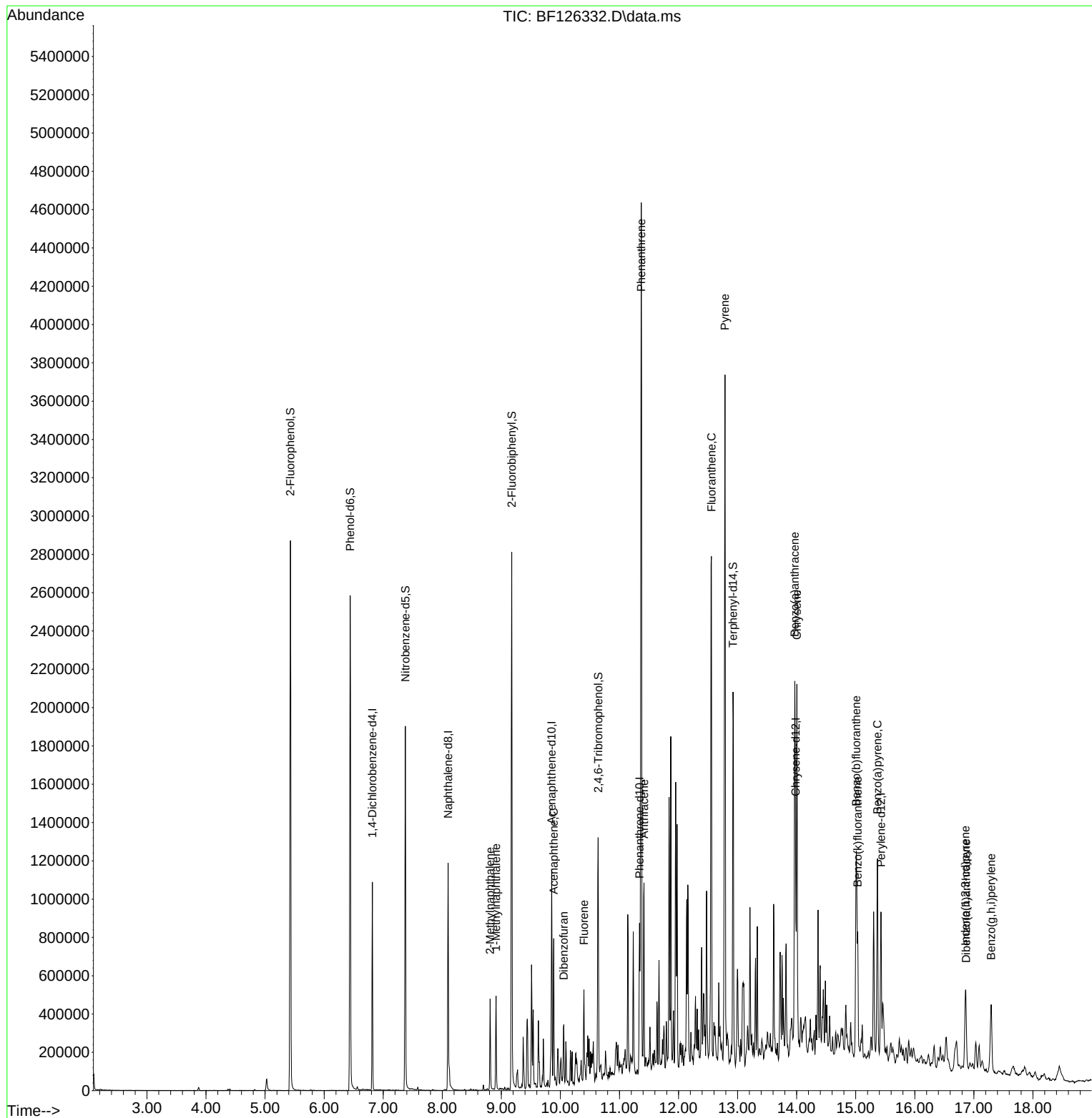
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
Data File : BF126332.D
Acq On : 22 Dec 2021 16:46
Operator : JU/CG
Sample : M5198-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

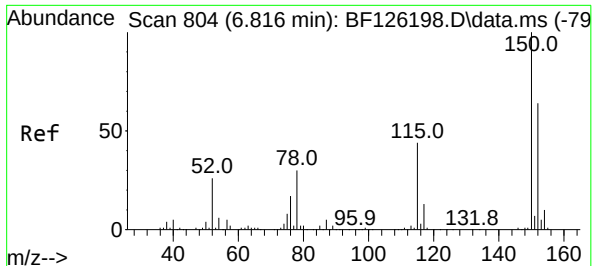
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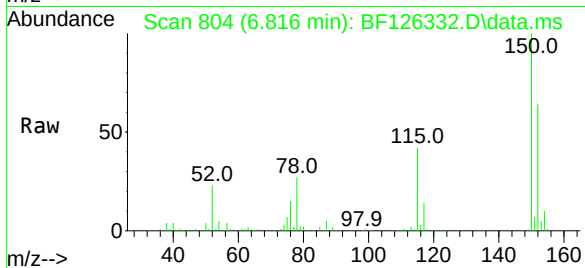
Quant Time: Dec 22 17:09:07 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

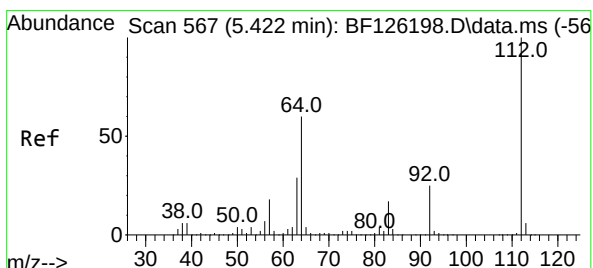
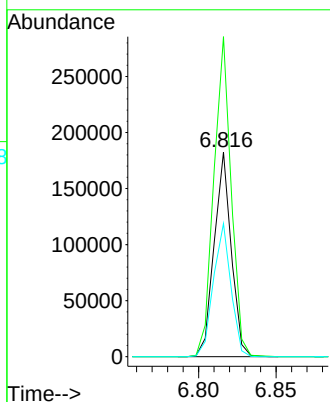
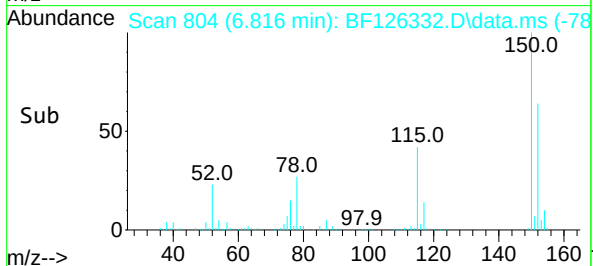
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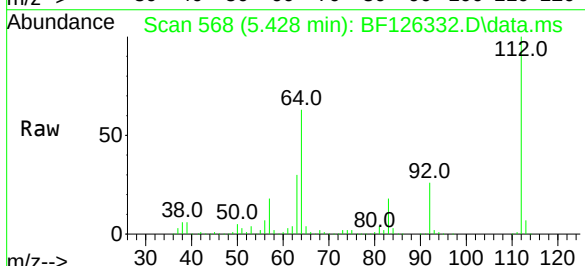
Tgt Ion:152 Resp: 139890
Ion Ratio Lower Upper
152 100
150 156.4 117.6 176.4
115 65.1 47.1 70.7

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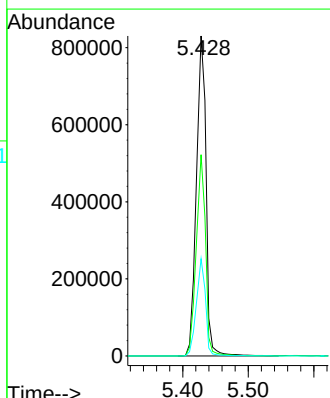
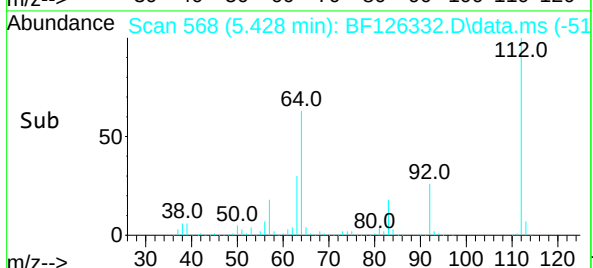
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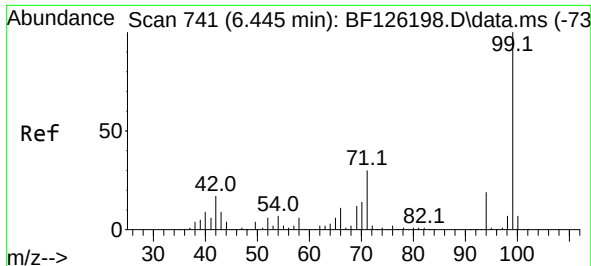


#5
2-Fluorophenol
Concen: 90.167 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



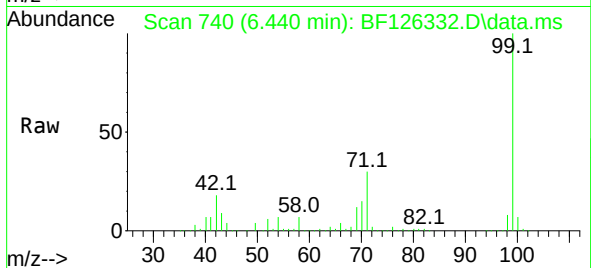
Tgt Ion:112 Resp: 856552
Ion Ratio Lower Upper
112 100
64 62.9 44.2 66.2
63 30.4 26.2 39.2





#7
Phenol-d6
Concen: 85.483 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

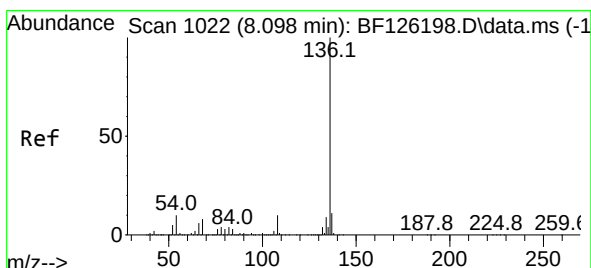
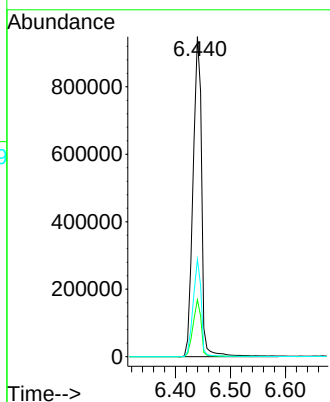
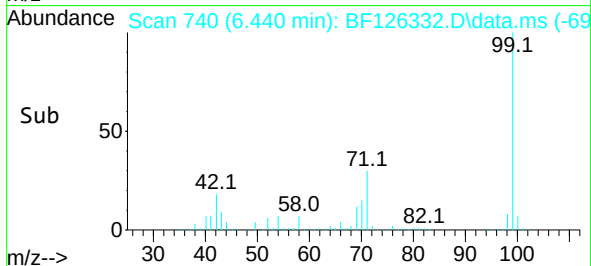
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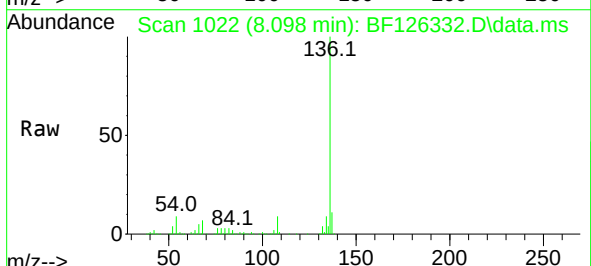
Tgt Ion: 99 Resp: 1031100
Ion Ratio Lower Upper
99 100
42 17.8 23.5 35.3
71 30.4 25.6 38.4

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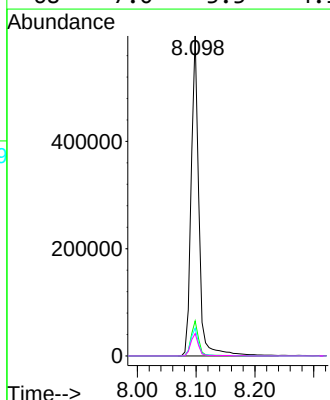
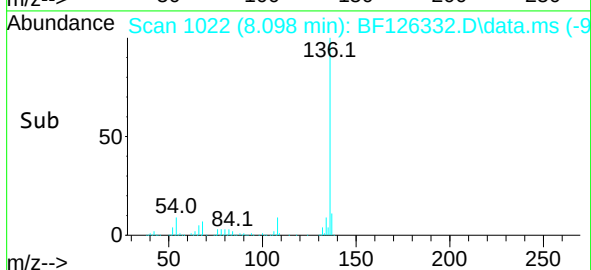
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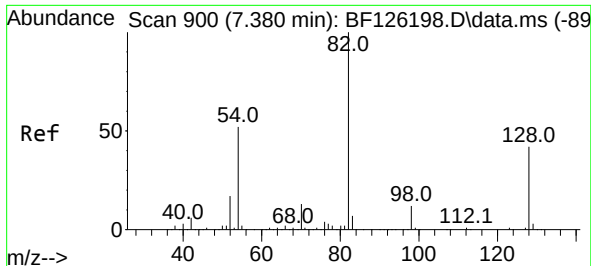


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



Tgt Ion:136 Resp: 551111
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 8.7 6.4 9.6
68 7.0 3.3 4.9





#23
Nitrobenzene-d5
Concen: 63.527 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

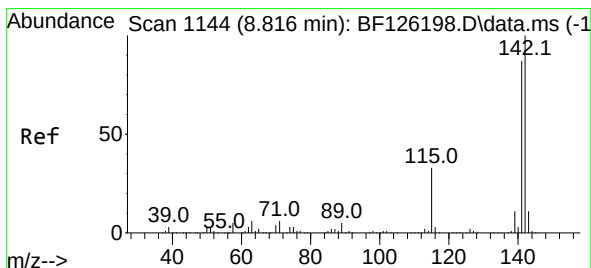
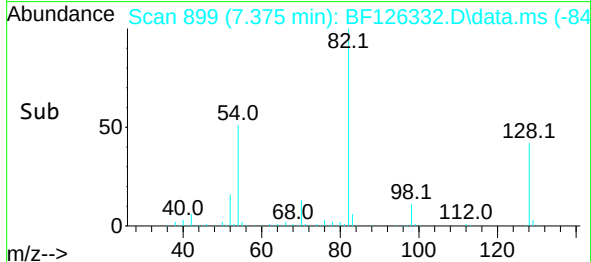
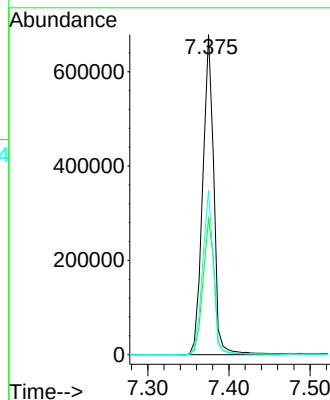
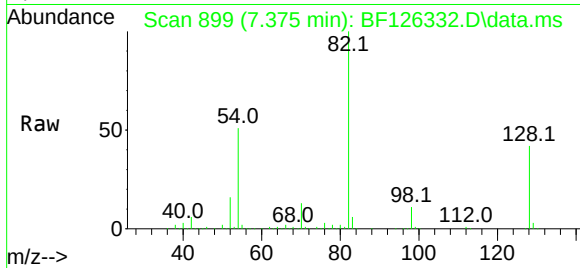
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Tgt Ion: 82 Resp: 646439
Ion Ratio Lower Upper
82 100
128 42.5 40.6 60.8
54 51.4 49.6 74.4

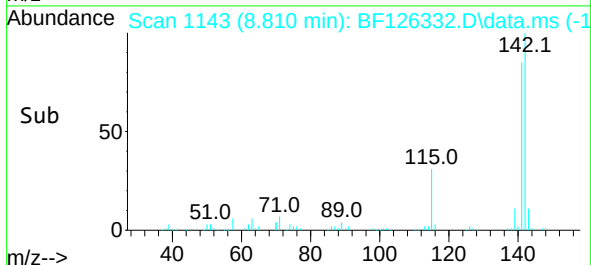
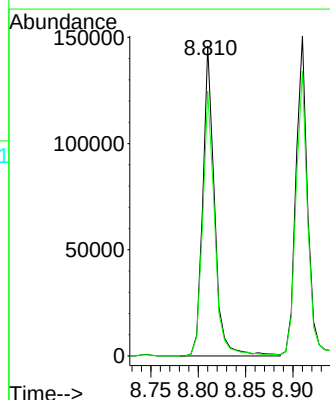
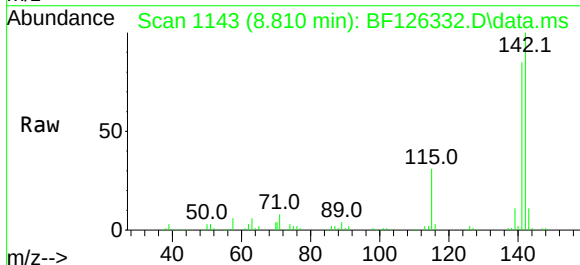
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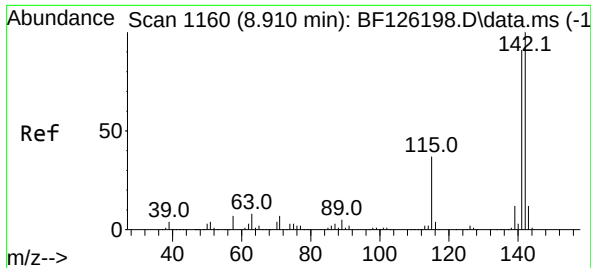
Reviewed By :Jagrut Upadhyay 12/23/2021
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#37
2-Methylnaphthalene
Concen: 7.962 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:142 Resp: 126378
Ion Ratio Lower Upper
142 100
141 85.4 71.2 106.8





#38
1-Methylnaphthalene
Concen: 8.407 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

ClientSampleId :

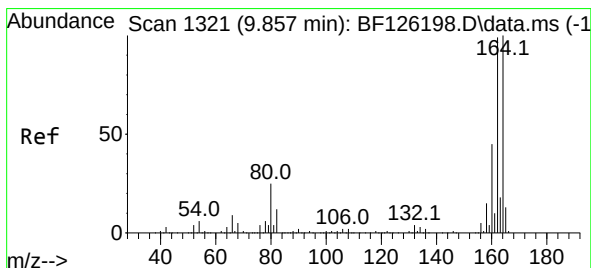
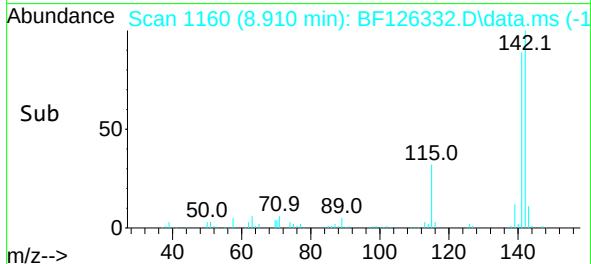
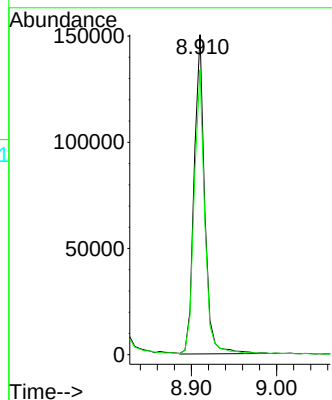
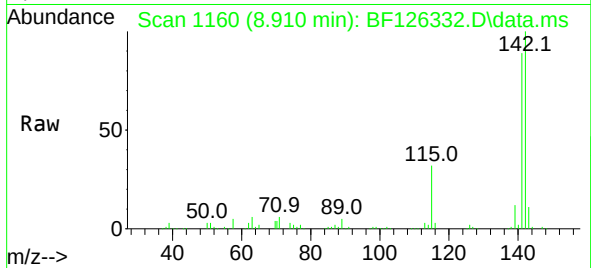
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Tgt Ion:142 Resp: 129489
Ion Ratio Lower Upper
142 100
141 89.0 76.0 114.0

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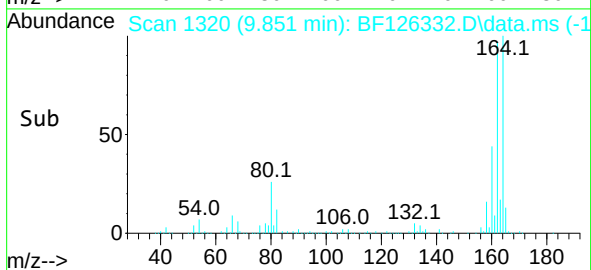
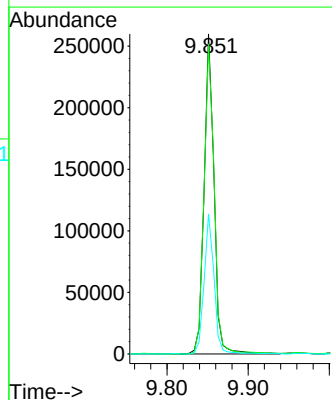
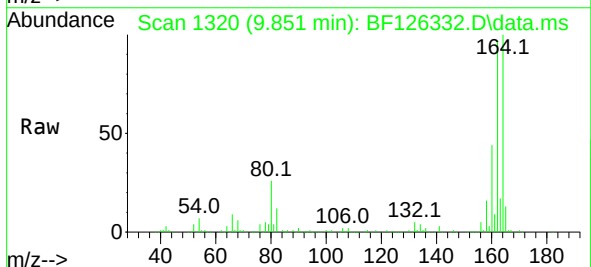
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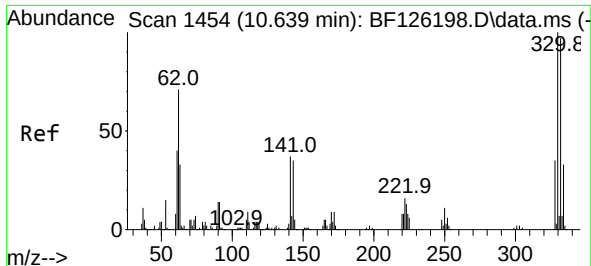
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

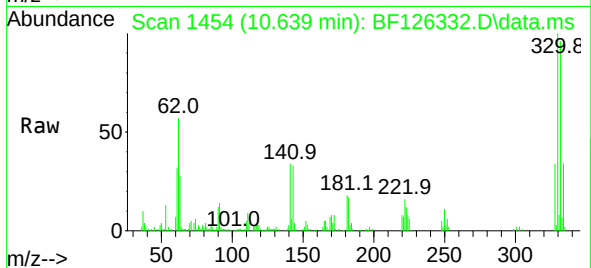
Tgt Ion:164 Resp: 220397
Ion Ratio Lower Upper
164 100
162 96.9 81.3 121.9
160 43.7 38.0 57.0





#42
2,4,6-Tribromophenol
Concen: 80.682 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

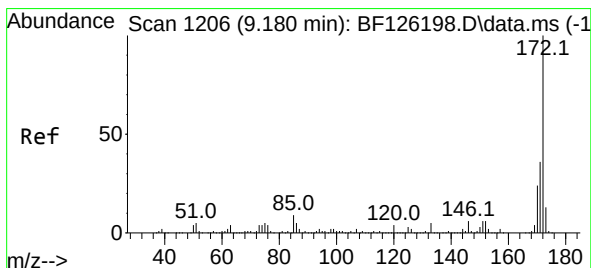
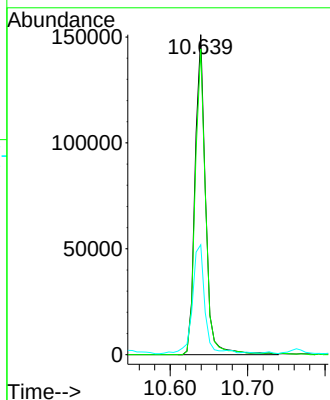
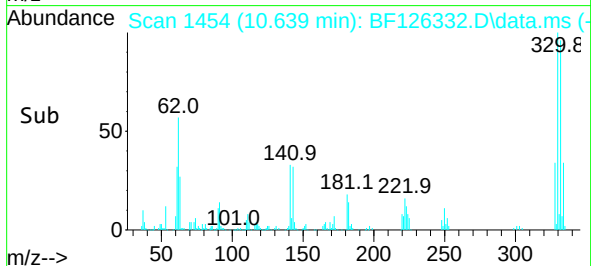
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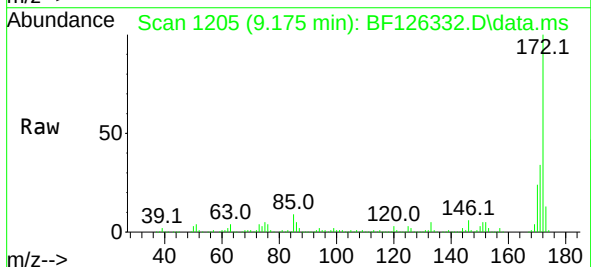
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Ion Ratio Lower Upper
330 100
332 94.8 76.2 114.4
141 40.0 44.6 66.8

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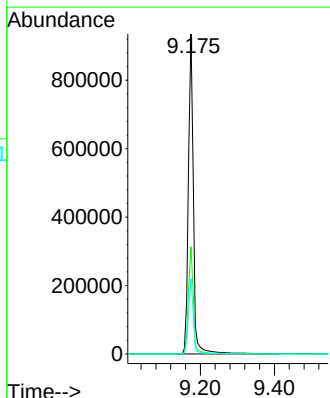
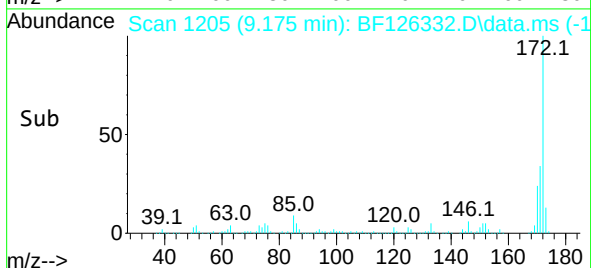
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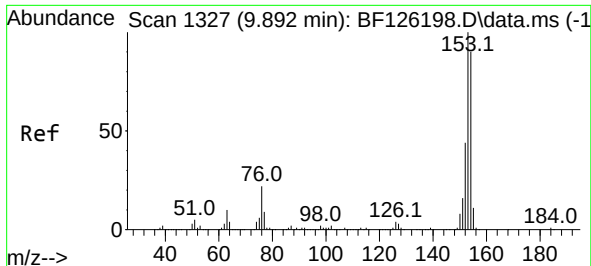


#45
2-Fluorobiphenyl
Concen: 69.831 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



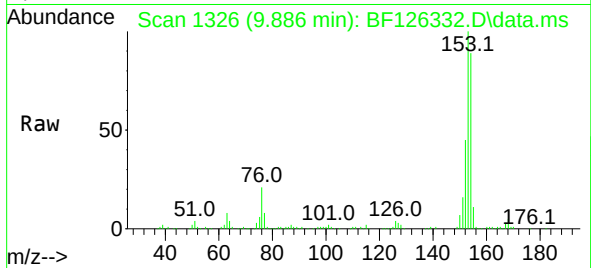
Tgt Ion: 172 Resp: 877518
Ion Ratio Lower Upper
172 100
171 33.5 26.5 39.7
170 23.5 18.8 28.2





#52
Acenaphthene
Concen: 12.347 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

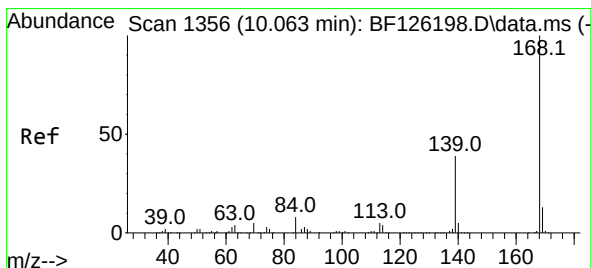
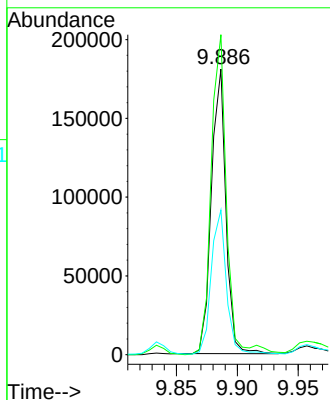
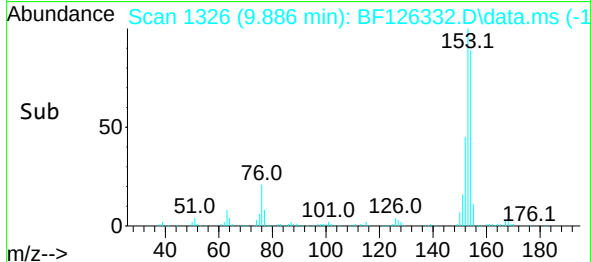
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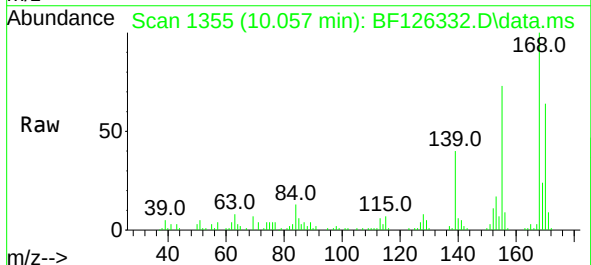
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Ion Ratio Lower Upper
154 100
153 112.0 89.4 134.2
152 50.6 40.5 60.7

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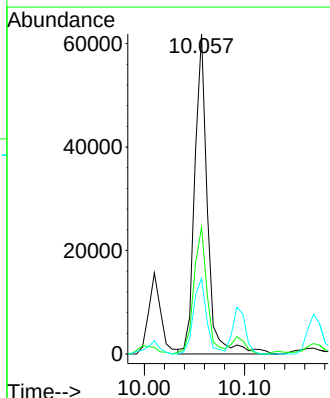
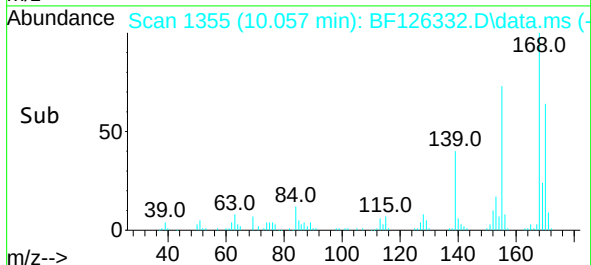
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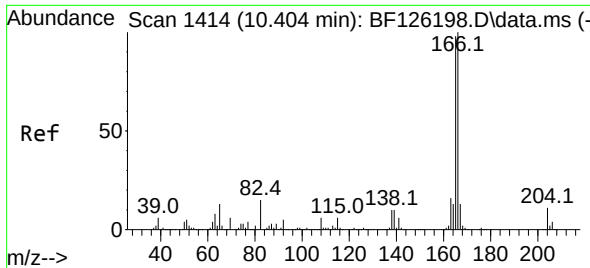


#55
Dibenzofuran
Concen: 3.297 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



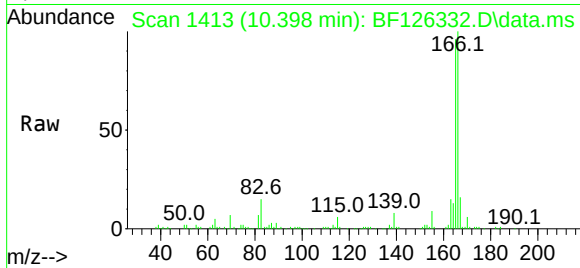
Tgt Ion:168 Resp: 54544
Ion Ratio Lower Upper
168 100
139 39.6 32.7 49.1
169 23.6 11.2 16.8#





#58
Fluorene
Concen: 9.111 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

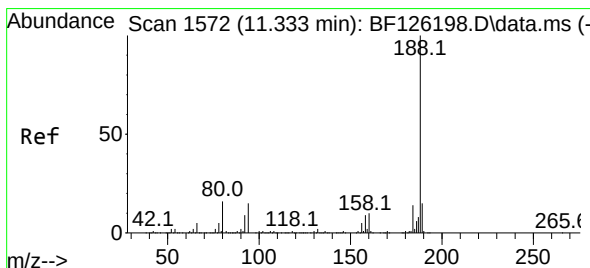
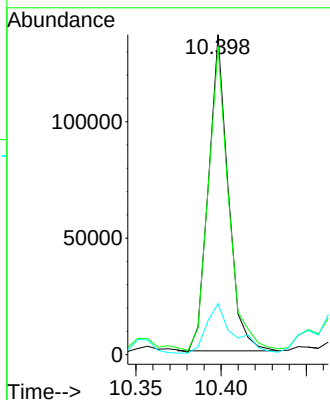
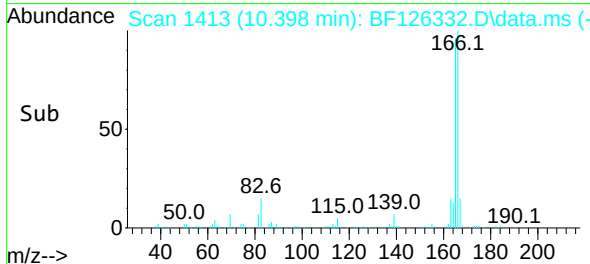
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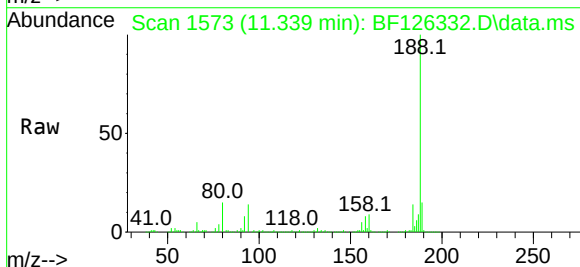
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Ion Ratio Lower Upper
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167 15.9 11.1 16.7

Manual Integrations
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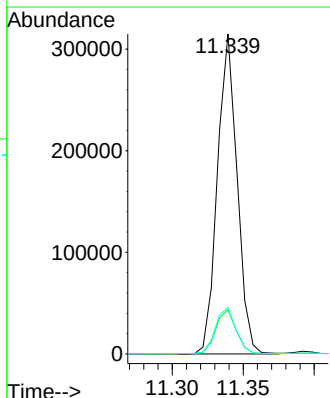
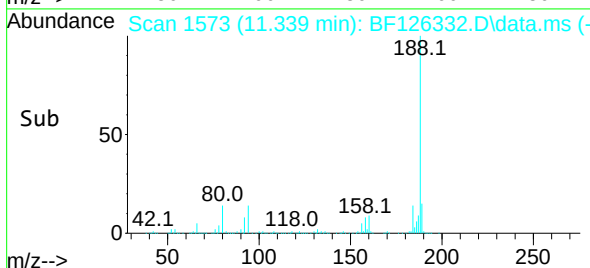
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

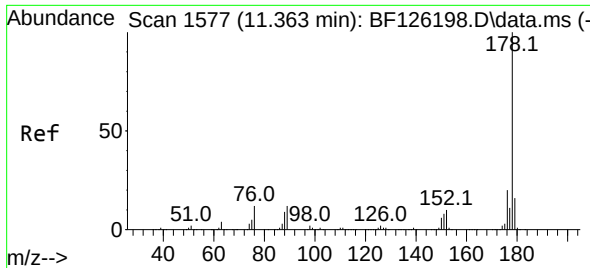


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



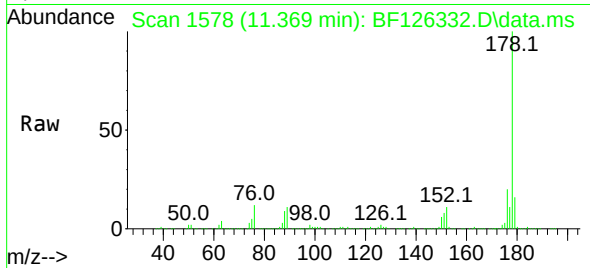
Tgt Ion:188 Resp: 303734
Ion Ratio Lower Upper
188 100
94 13.9 6.7 10.1#
80 14.5 7.5 11.3#





#71
Phenanthrene
Concen: 128.998 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

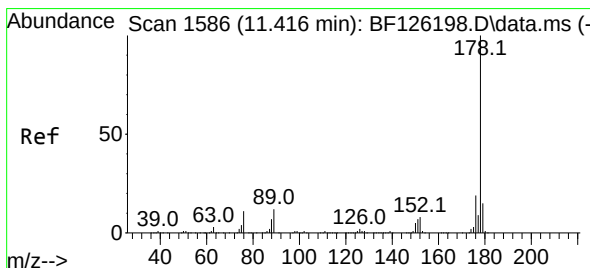
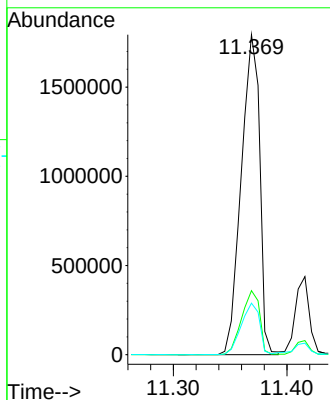
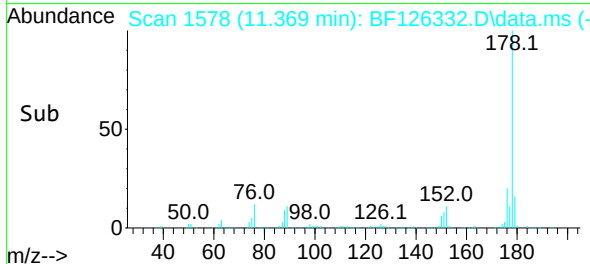
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



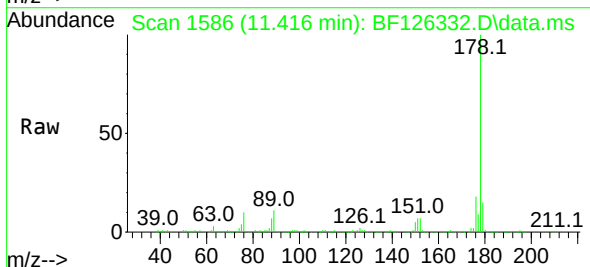
Tgt Ion:178 Resp: 202226
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 16.1 11.5 17.3

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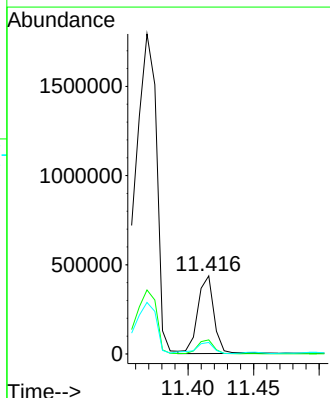
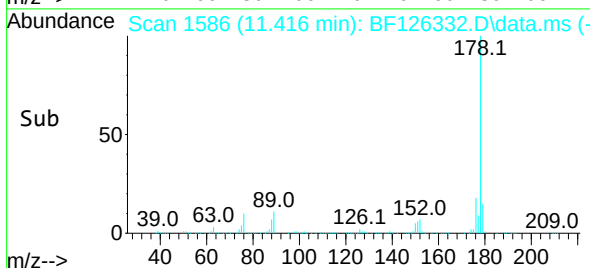
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

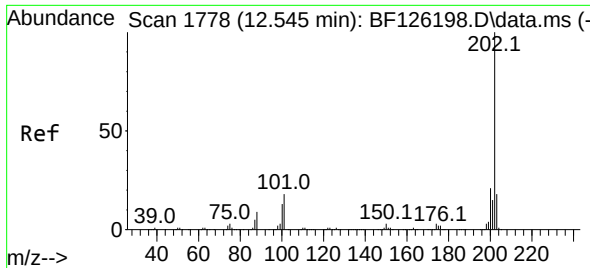


#72
Anthracene
Concen: 23.983 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



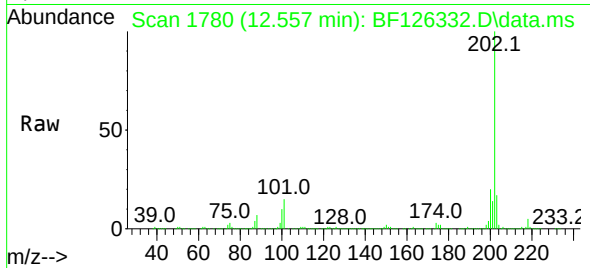
Tgt Ion:178 Resp: 377367
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 14.8 12.2 18.4





#75
Fluoranthene
Concen: 76.112 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

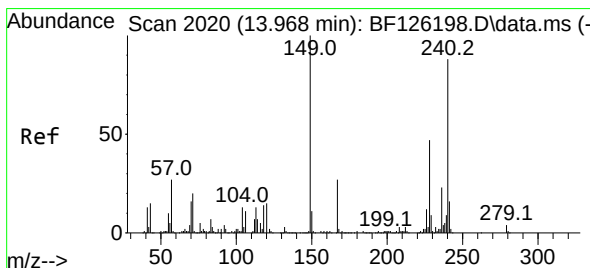
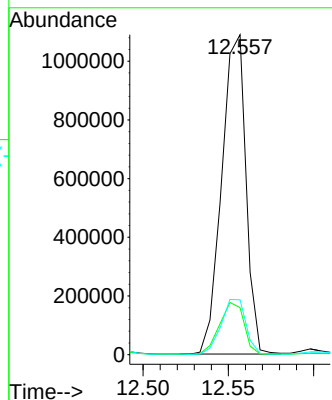
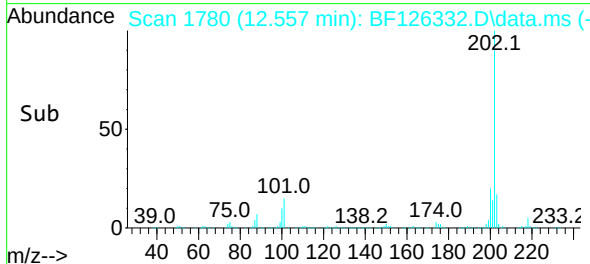
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



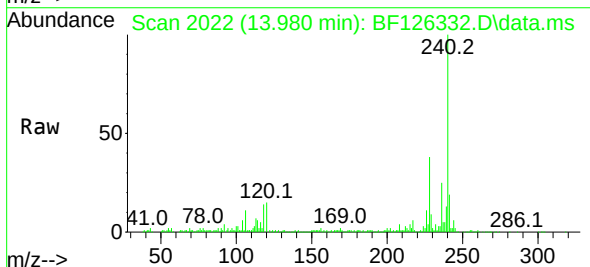
Tgt Ion:202 Resp: 107503
Ion Ratio Lower Upper
202 100
101 14.7 0.0 30.7
203 17.1 0.0 36.3

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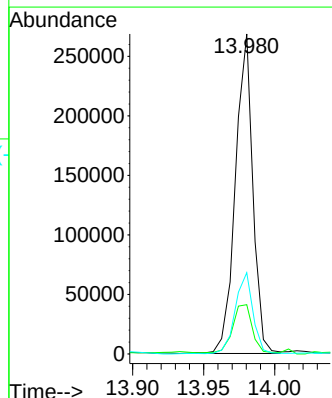
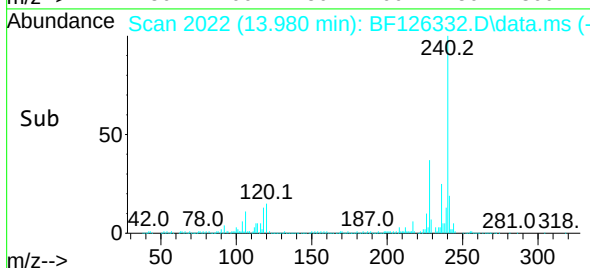
Reviewed By :Jagrut Upadhyay 12/23/2021
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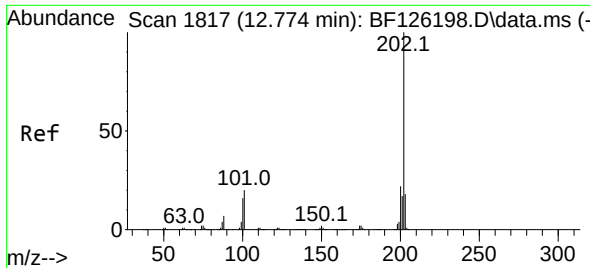


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



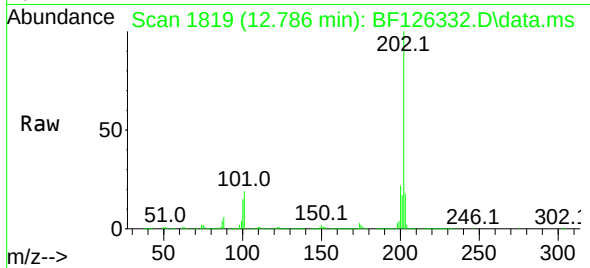
Tgt Ion:240 Resp: 230066
Ion Ratio Lower Upper
240 100
120 15.4 10.8 16.2
236 25.4 21.6 32.4





#78
Pyrene
Concen: 76.127 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

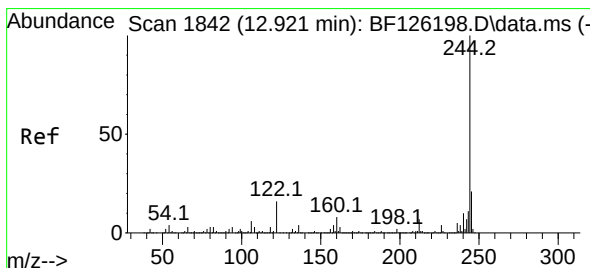
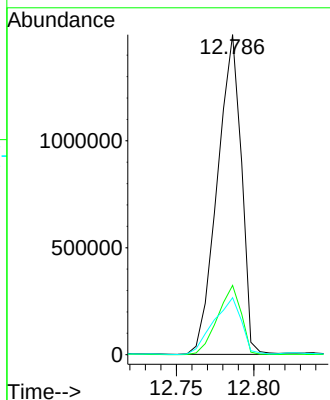
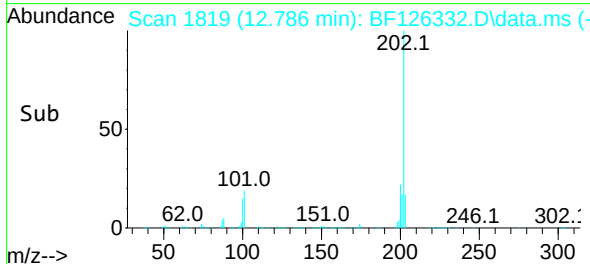
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



Tgt Ion:202 Resp: 160906
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.8 13.4 20.0

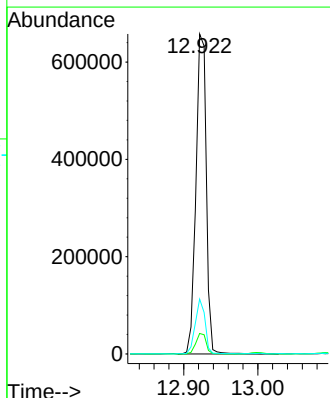
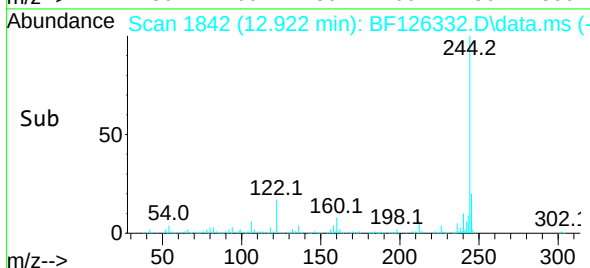
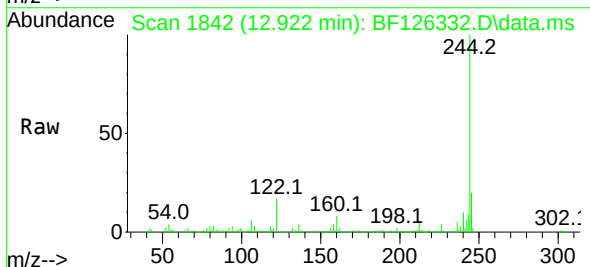
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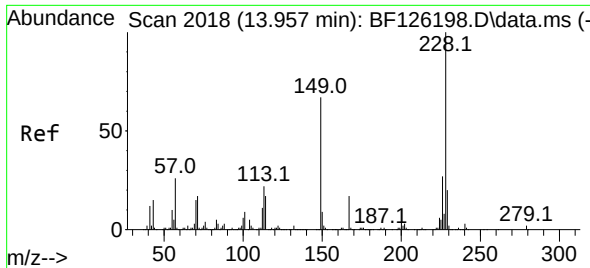
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#79
Terphenyl-d14
Concen: 48.114 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

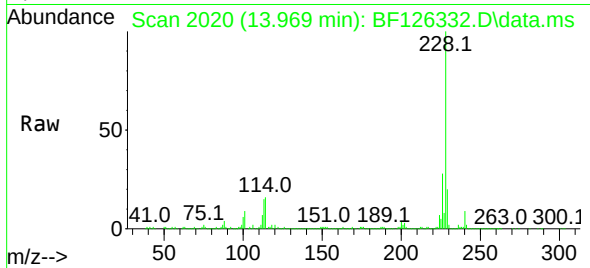
Tgt Ion:244 Resp: 636859
Ion Ratio Lower Upper
244 100
212 6.4 5.9 8.9
122 17.1 9.0 13.4#





#81
Benzo(a)anthracene
Concen: 52.542 ng
RT: 13.969 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

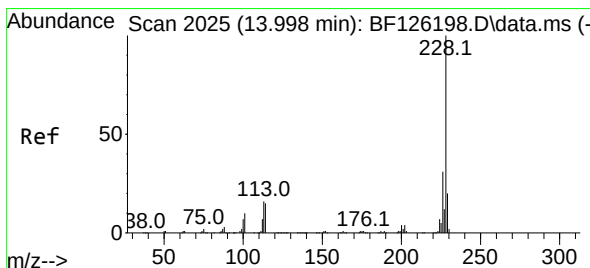
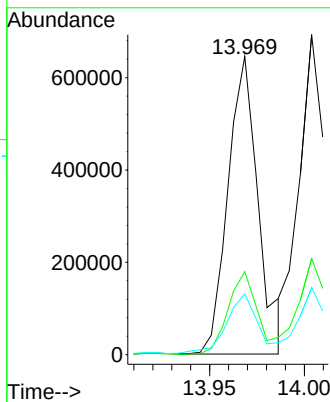
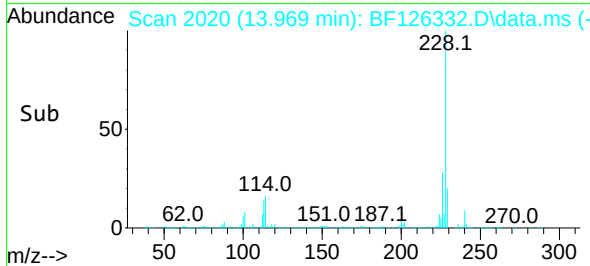
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



Tgt Ion:228 Resp: 71603
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 20.4 15.6 23.4

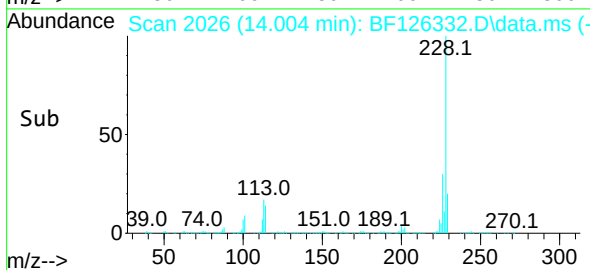
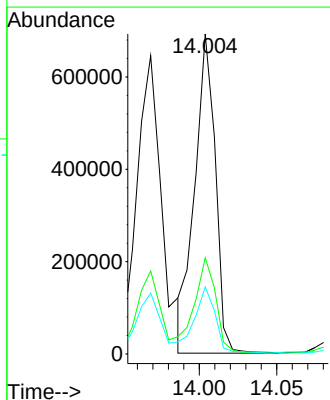
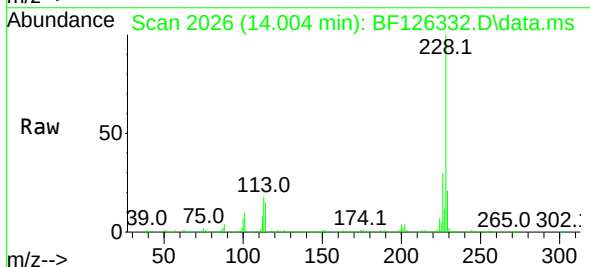
Manual Integrations
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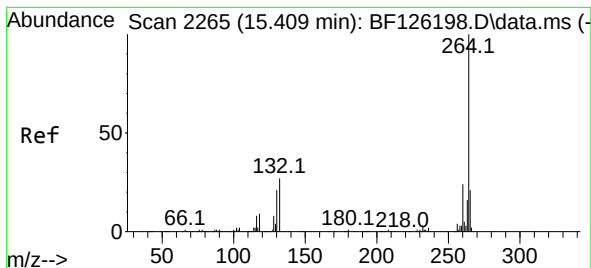
Reviewed By :Jagrut Upadhyay 12/23/2021
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#83
Chrysene
Concen: 45.070 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

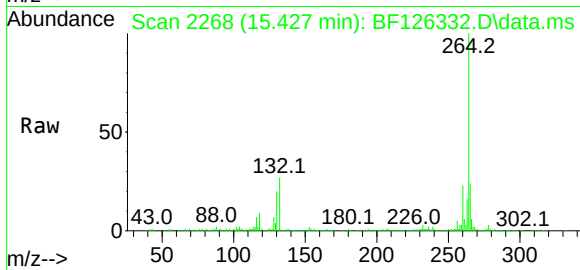
Tgt Ion:228 Resp: 638165
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 21.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

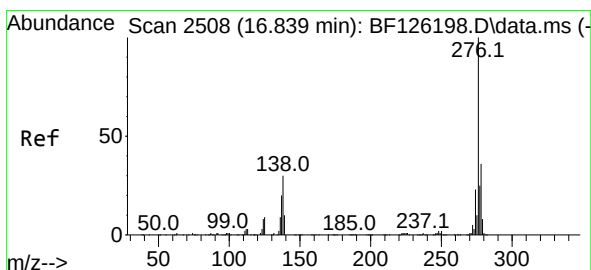
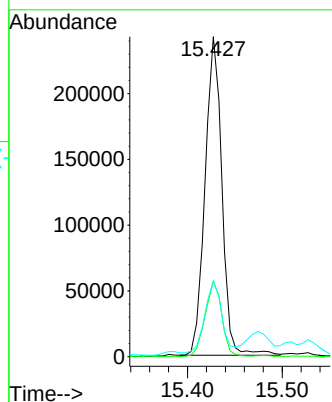
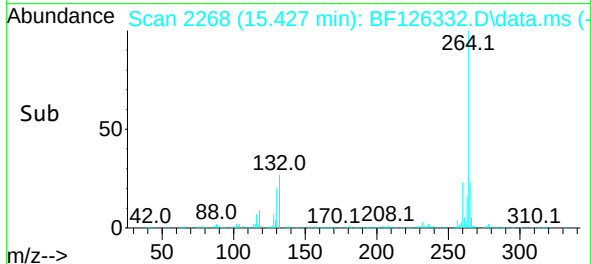
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



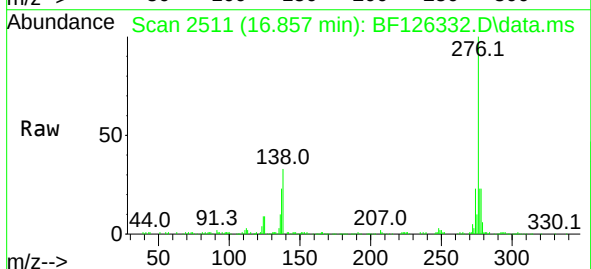
Tgt Ion:264 Resp: 29912
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 23.7 17.2 25.8

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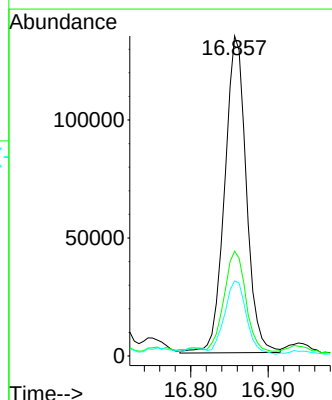
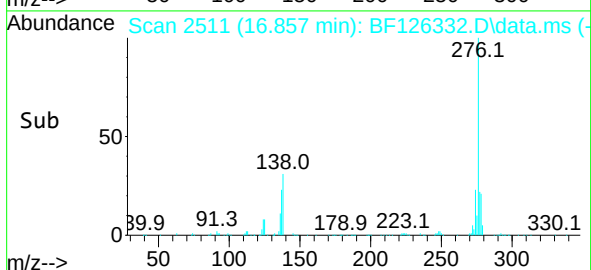
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

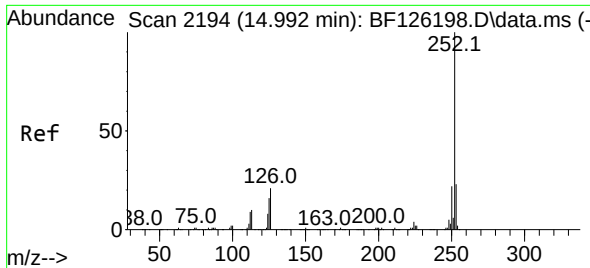


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.062 ng
RT: 16.857 min Scan# 2511
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



Tgt Ion:276 Resp: 260611
Ion Ratio Lower Upper
276 100
138 31.4 24.1 36.1
277 23.4 18.8 28.2





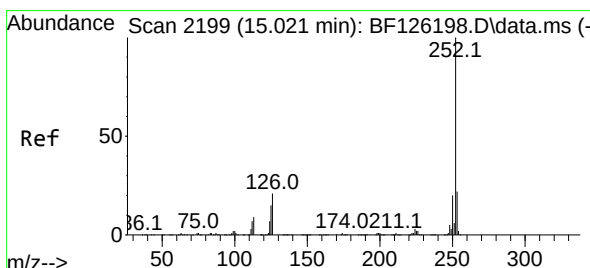
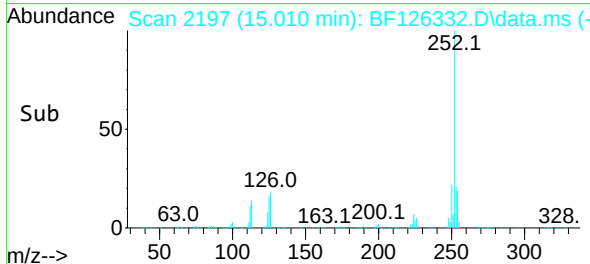
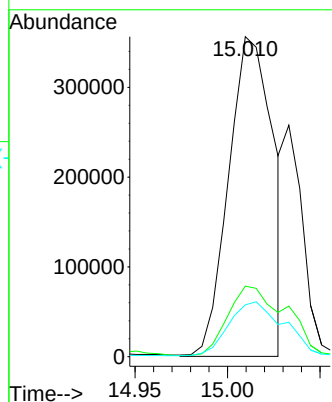
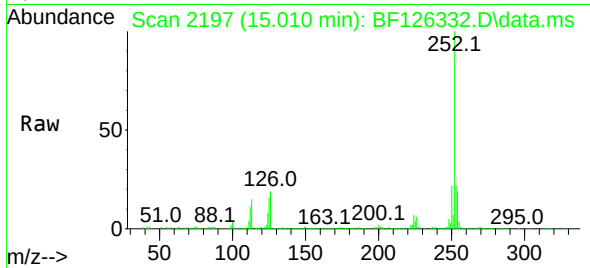
#88
Benzo(b)fluoranthene
Concen: 32.998 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Instrument :
BNA_F
ClientSampleId :
SB-20-G2

Tgt Ion:252 Resp: 593079
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 16.2 9.8 14.8

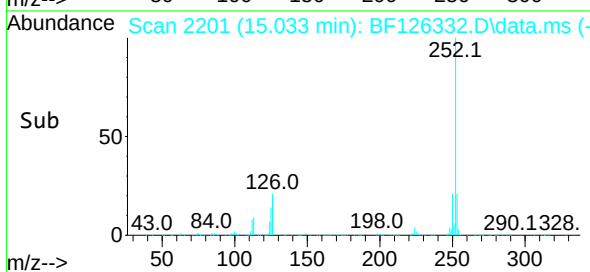
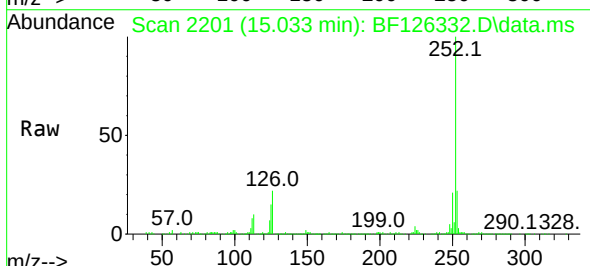
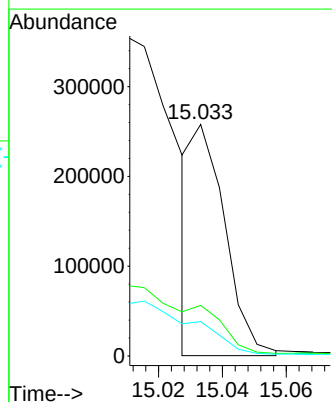
Manual Integrations
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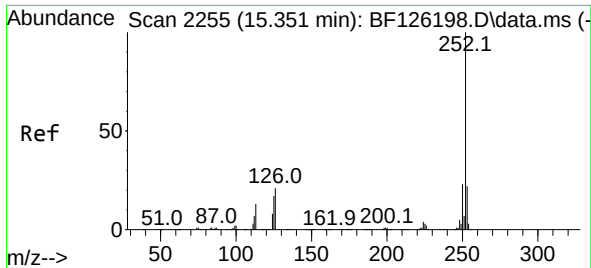
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021



#89
Benzo(k)fluoranthene
Concen: 10.668 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

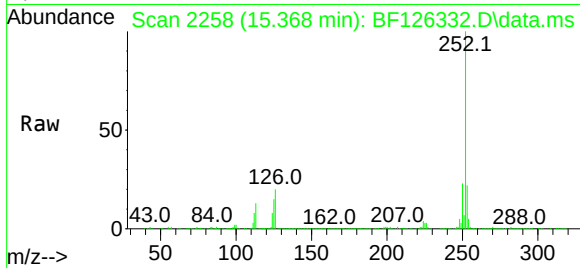
Tgt Ion:252 Resp: 183415
Ion Ratio Lower Upper
252 100
253 21.8 17.8 26.8
125 14.9 7.2 10.8





#90
Benzo(a)pyrene
Concen: 32.330 ng
RT: 15.368 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

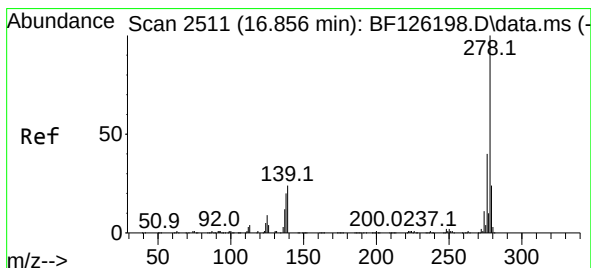
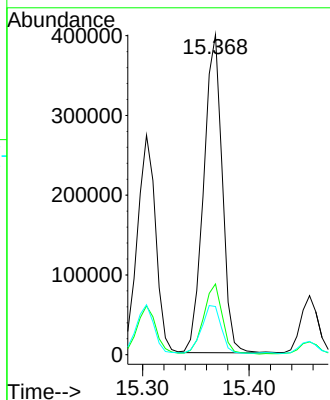
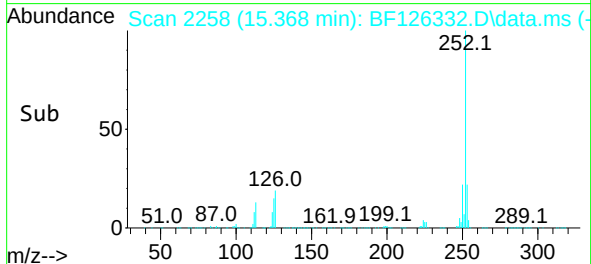
Instrument :
BNA_F
ClientSampleId :
SB-20-G2



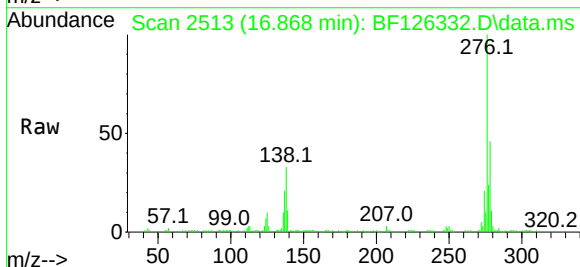
Tgt Ion:252 Resp: 482945
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 15.1 9.9 14.9

Manual Integrations
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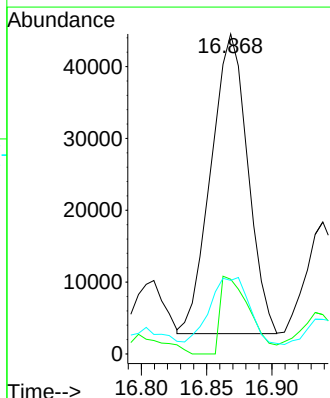
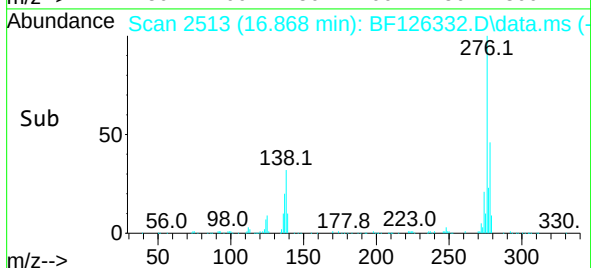
Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

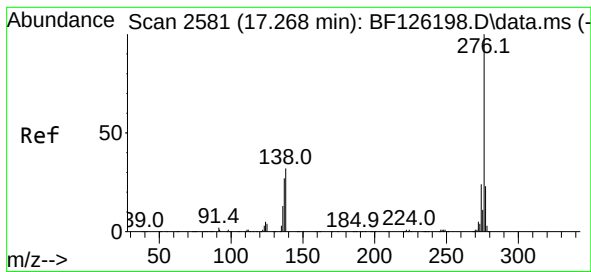


#91
Dibenzo(a,h)anthracene
Concen: 5.042 ng m
RT: 16.868 min Scan# 2513
Delta R.T. -0.012 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46



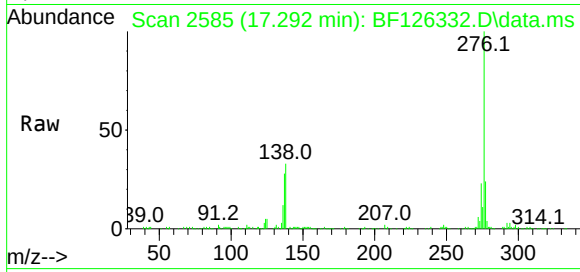
Tgt Ion:278 Resp: 81775
Ion Ratio Lower Upper
278 100
139 23.3 14.9 22.3#
279 23.0 19.7 29.5





#92
Benzo(g,h,i)perylene
Concen: 14.850 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Instrument :
BNA_F
ClientSampleId :
SB-20-G2



Tgt Ion:276 Resp: 249200
Ion Ratio Lower Upper
276 100
277 23.9 22.0 33.0
138 32.8 22.2 33.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/23/2021
Supervised By :mohammad ahmed 12/29/2021

