

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
 Data File : BF126213.D
 Acq On : 16 Dec 2021 15:53
 Operator : JU/CG
 Sample : M5073-04 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-121321

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/17/2021
 Supervised By : Jagrut Upadhyay 12/17/2021

Quant Time: Dec 16 16:22:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	209332	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	882305	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	406133	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	556461	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	390587	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	345033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	620424	43.647	ng	0.00
7) Phenol-d6	6.428	99	773899	42.878	ng	-0.02
23) Nitrobenzene-d5	7.369	82	475690	29.200	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	122460	37.520	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	728939	31.479	ng	0.00
79) Terphenyl-d14	12.921	244	499885	22.245	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.357	178	280911	9.781	ng	98
72) Anthracene	11.404	178	83578	2.899	ng	98
75) Fluoranthene	12.545	202	545413	21.077	ng	92
78) Pyrene	12.774	202	494674	13.785	ng	97
81) Benzo(a)anthracene	13.957	228	322870	13.955	ng	97
83) Chrysene	13.992	228	278228	11.574	ng	96
87) Indeno(1,2,3-cd)pyrene	16.827	276	145067	6.303	ng	97
88) Benzo(b)fluoranthene	14.998	252	441443m	21.293	ng	
89) Benzo(k)fluoranthene	15.021	252	105543m	5.322	ng	
90) Benzo(a)pyrene	15.351	252	273308	15.862	ng	# 94
92) Benzo(g,h,i)perylene	17.256	276	126059	6.512	ng	# 91

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

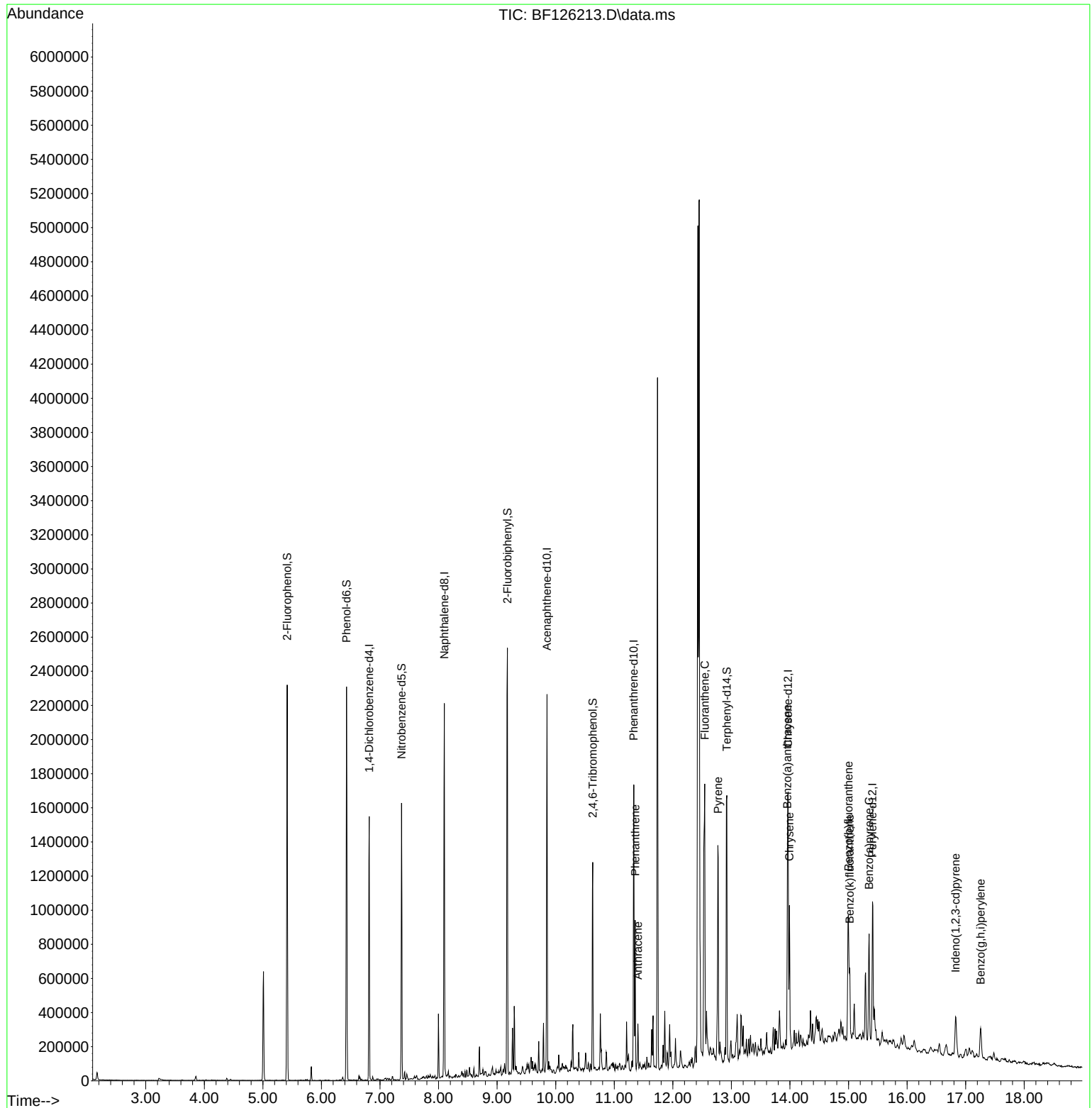
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
Data File : BF126213.D
Acq On : 16 Dec 2021 15:53
Operator : JU/CG
Sample : M5073-04 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

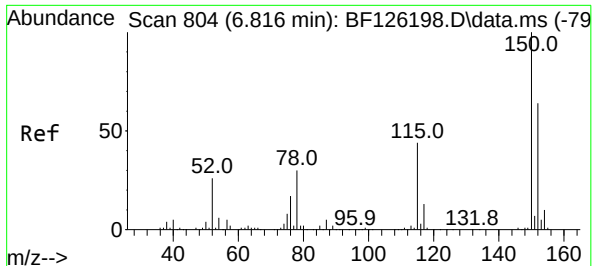
Instrument :
BNA_F
ClientSampleId :
EO-03-121321

Quant Time: Dec 16 16:22:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

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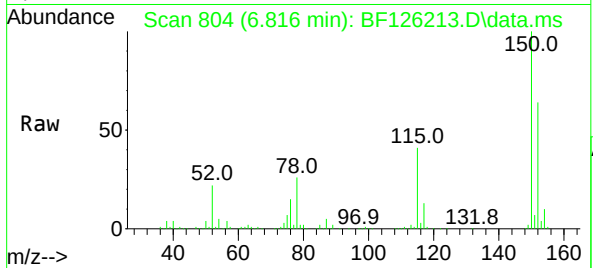
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

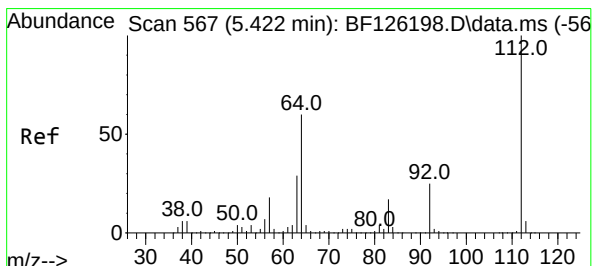
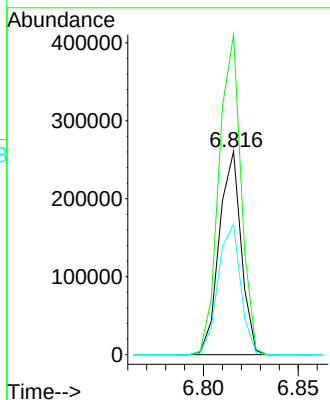
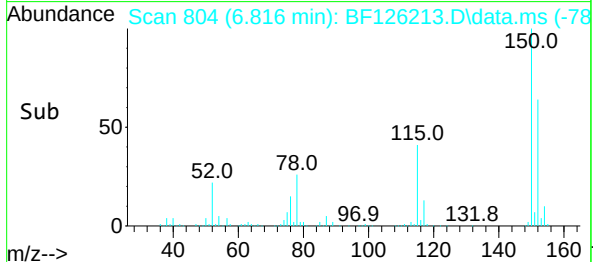
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BNA_F
ClientSampleId :
EO-03-121321



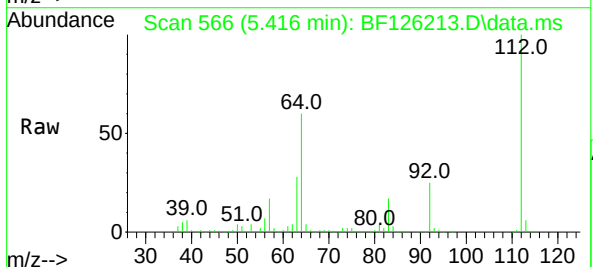
Tgt Ion:152 Resp: 20933
Ion Ratio Lower Upper
152 100
150 157.4 117.6 176.4
115 64.2 47.1 70.7

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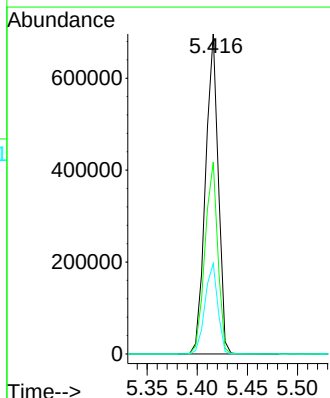
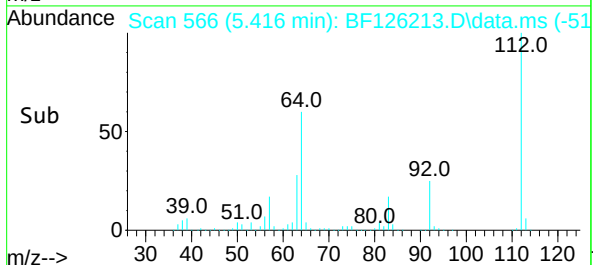
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Supervised By :Jagrut Upadhyay 12/17/2021

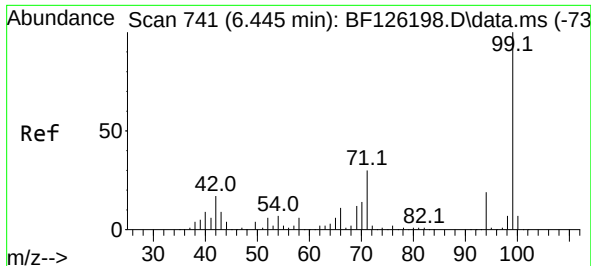


#5
2-Fluorophenol
Concen: 43.647 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



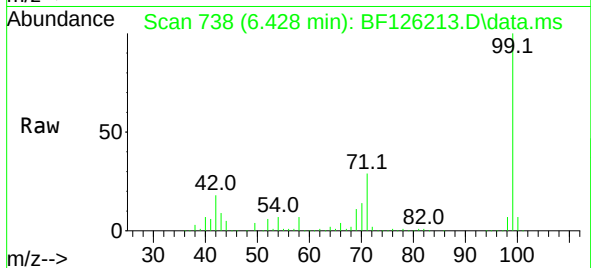
Tgt Ion:112 Resp: 620424
Ion Ratio Lower Upper
112 100
64 60.0 44.2 66.2
63 28.2 26.2 39.2





#7
Phenol-d6
Concen: 42.878 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

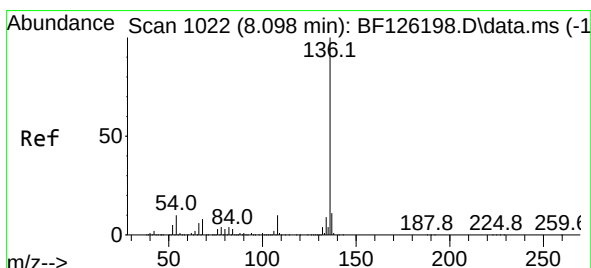
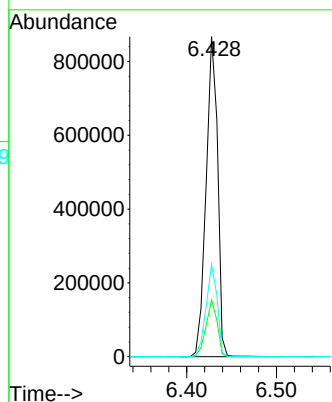
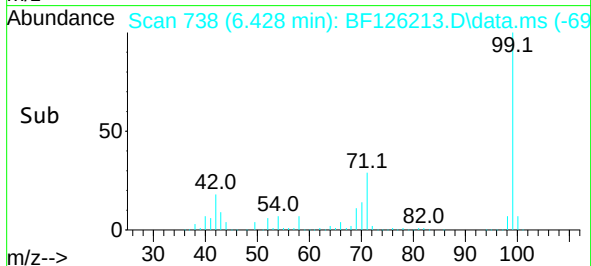
Instrument :
BNA_F
ClientSampleId :
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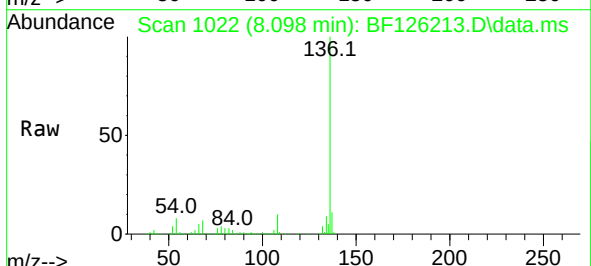
Tgt Ion: 99 Resp: 77389
Ion Ratio Lower Upper
99 100
42 17.7 23.5 35.3
71 28.7 25.6 38.4

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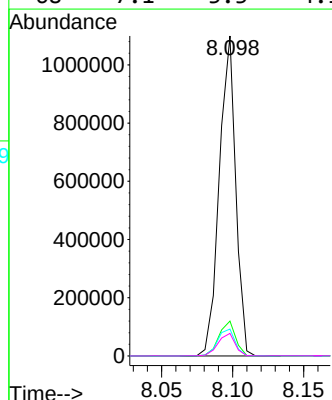
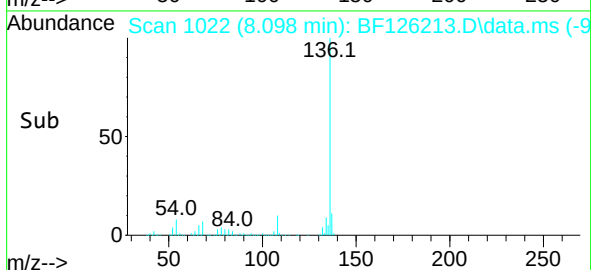
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021

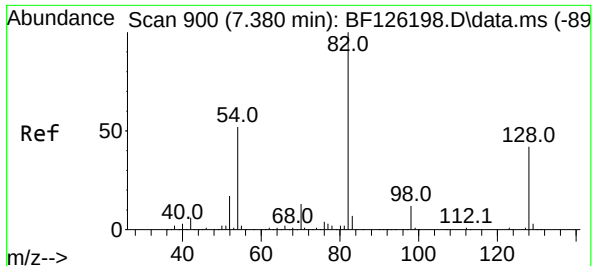


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



Tgt Ion:136 Resp: 882305
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 8.4 6.4 9.6
68 7.1 3.3 4.9





#23

Nitrobenzene-d5

Concen: 29.200 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126213.D

Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

EO-03-121321

Tgt Ion: 82 Resp: 475690

Ion Ratio Lower Upper

82 100

128 41.3 40.6 60.8

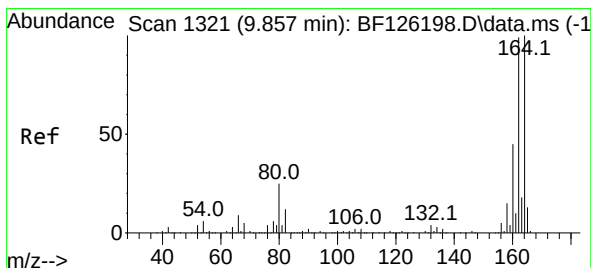
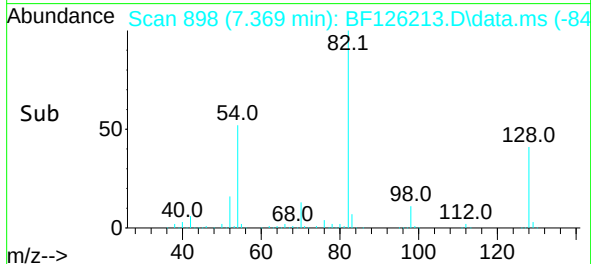
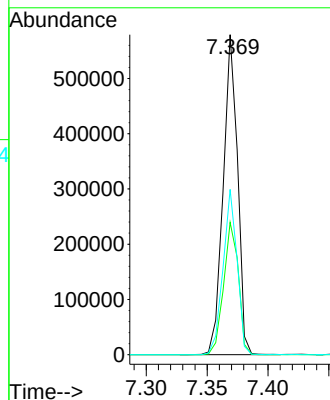
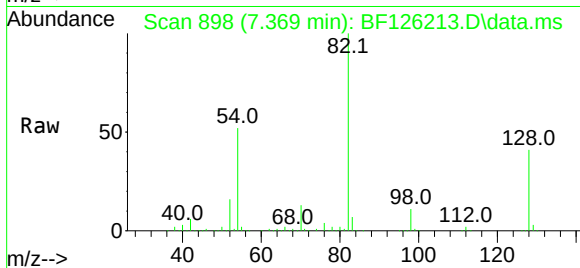
54 51.6 49.6 74.4

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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: BF126213.D

Acq: 16 Dec 2021 15:53

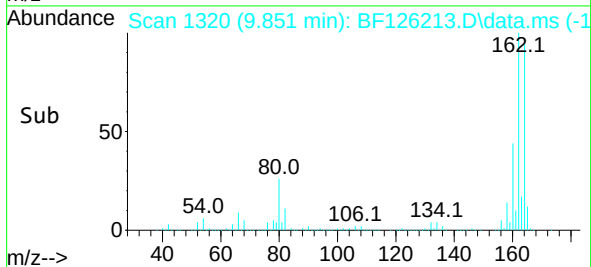
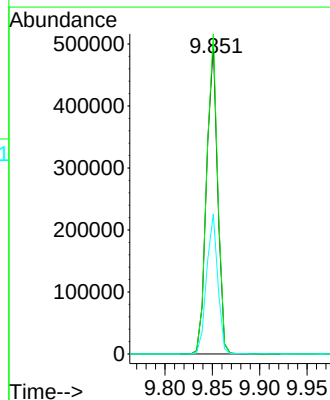
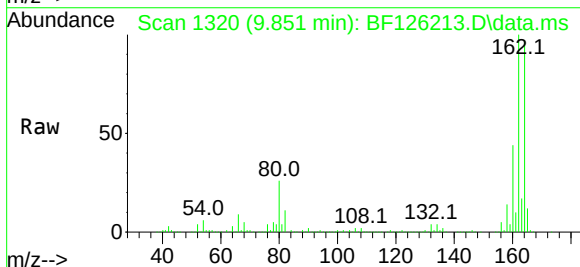
Tgt Ion:164 Resp: 406133

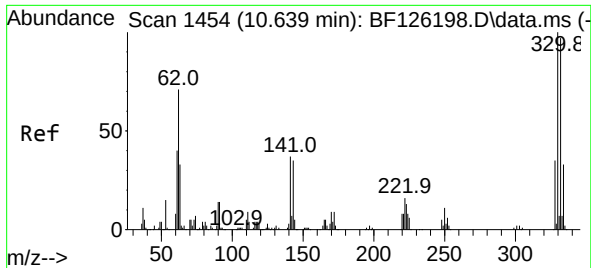
Ion Ratio Lower Upper

164 100

162 103.1 81.3 121.9

160 45.2 38.0 57.0





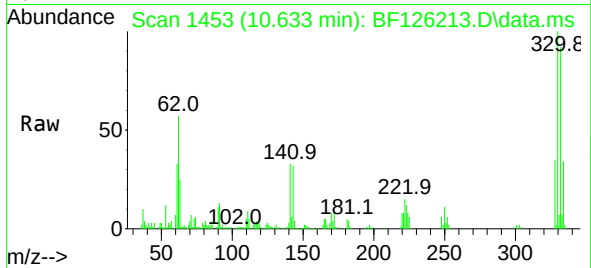
#42
2,4,6-Tribromophenol
Concen: 37.520 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

EO-03-121321

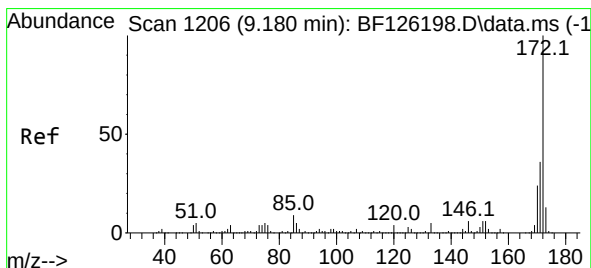
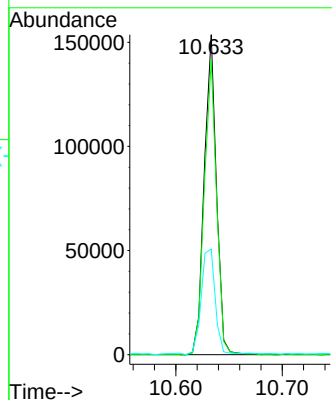
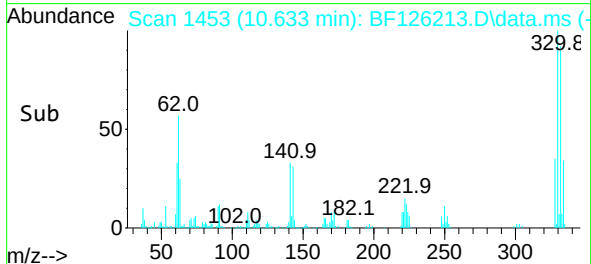


Tgt Ion: 330 Resp: 122460
Ion Ratio Lower Upper
330 100
332 92.7 76.2 114.4
141 38.0 44.6 66.8

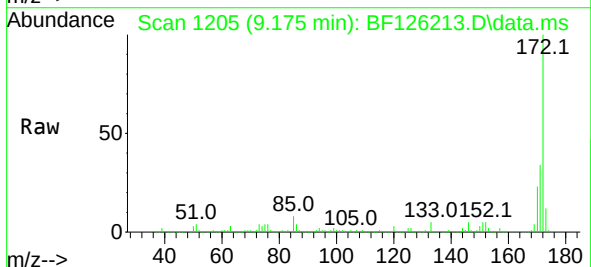
Manual Integrations

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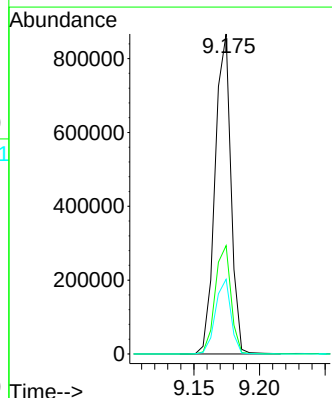
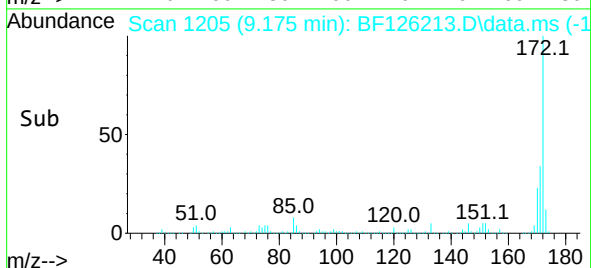
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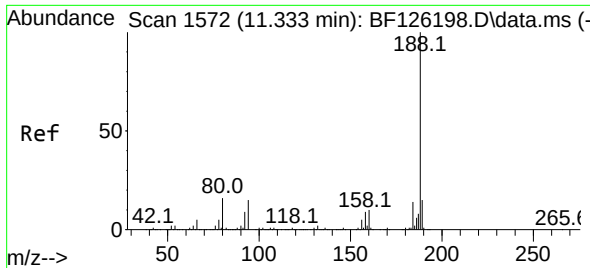


#45
2-Fluorobiphenyl
Concen: 31.479 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



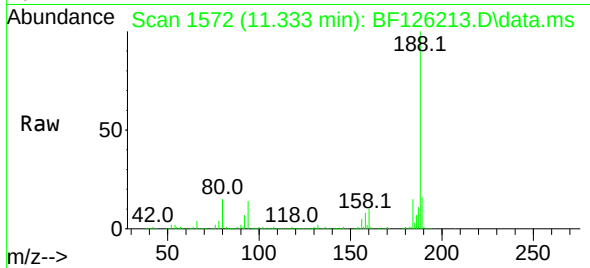
Tgt Ion: 172 Resp: 728939
Ion Ratio Lower Upper
172 100
171 33.9 26.5 39.7
170 23.4 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

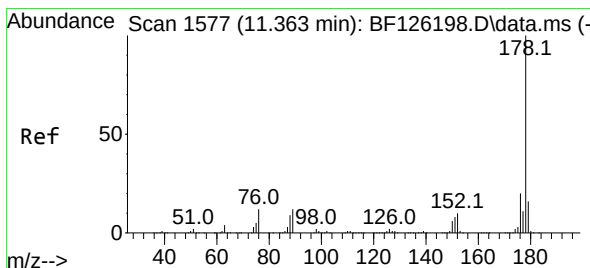
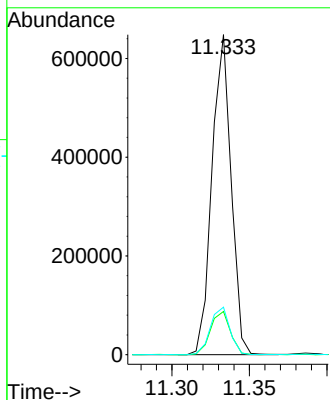
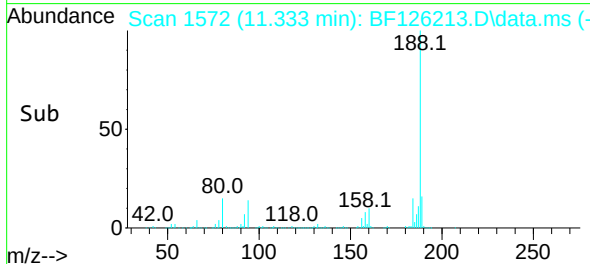
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EO-03-121321



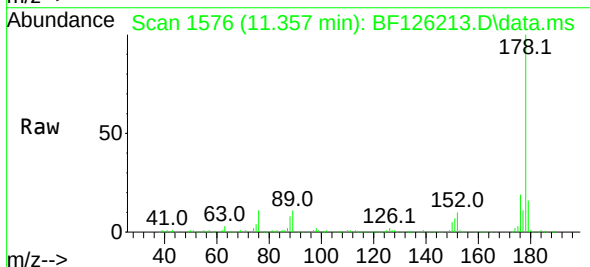
Tgt Ion:188 Resp: 55646
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1
80 14.9 7.5 11.3

Manual Integrations
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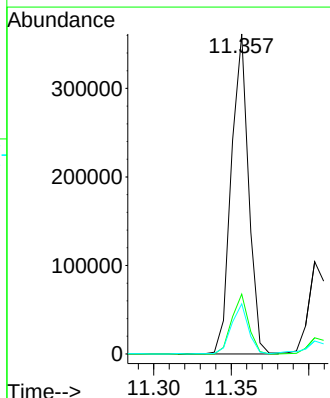
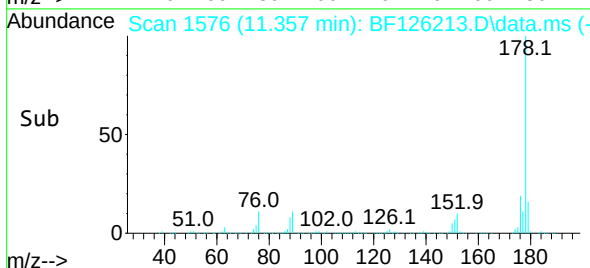
Reviewed By :Christian Giraldo 12/17/2021
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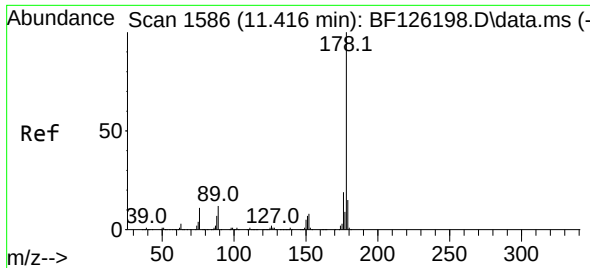


#71
Phenanthrene
Concen: 9.781 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



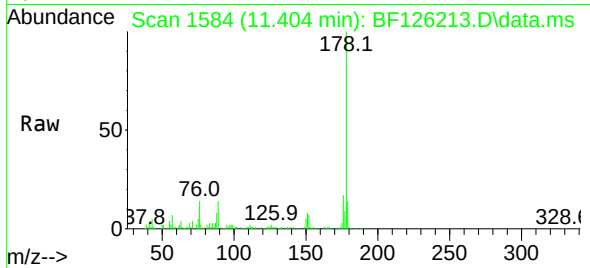
Tgt Ion:178 Resp: 280911
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.6 11.5 17.3





#72
 Anthracene
 Concen: 2.899 ng
 RT: 11.404 min Scan# 1586
 Delta R.T. -0.012 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

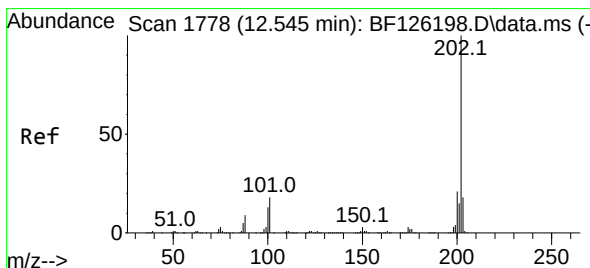
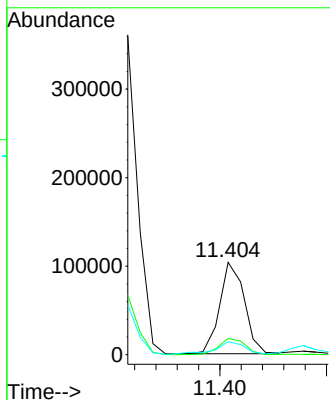
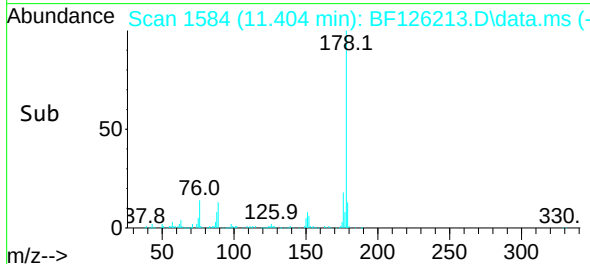
Instrument :
 BNA_F
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 EO-03-121321



Tgt Ion:178 Resp: 83578
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.3 21.5
 179 14.0 12.2 18.4

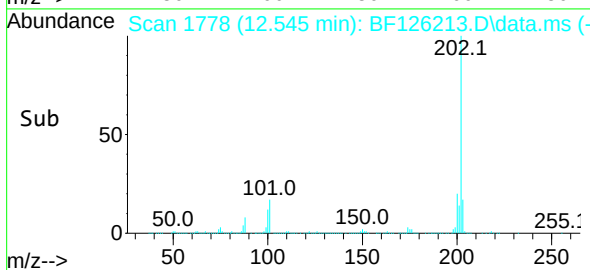
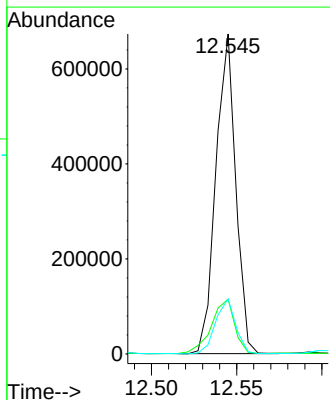
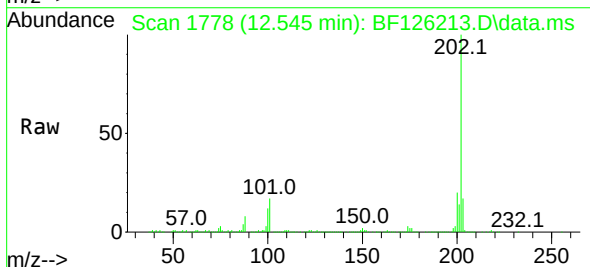
Manual Integrations
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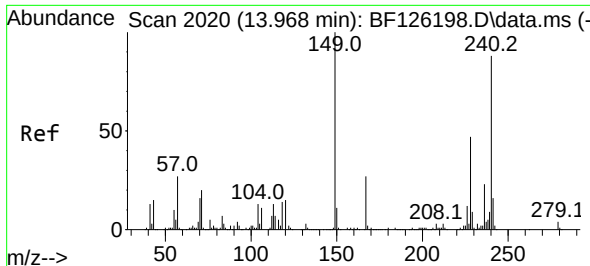
Reviewed By :Christian Giraldo 12/17/2021
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#75
 Fluoranthene
 Concen: 21.077 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

Tgt Ion:202 Resp: 545413
 Ion Ratio Lower Upper
 202 100
 101 17.1 0.0 30.7
 203 17.2 0.0 36.3





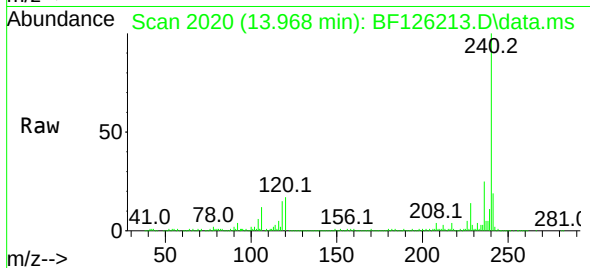
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

EO-03-121321

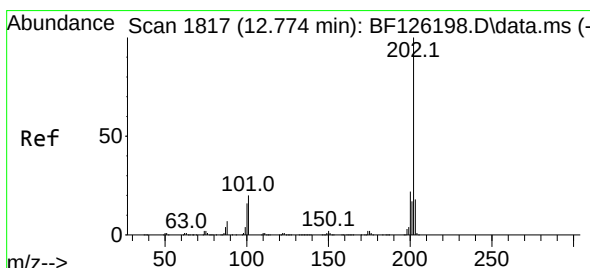
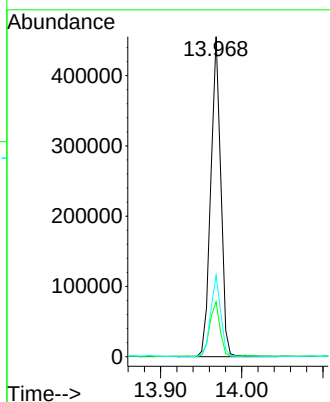
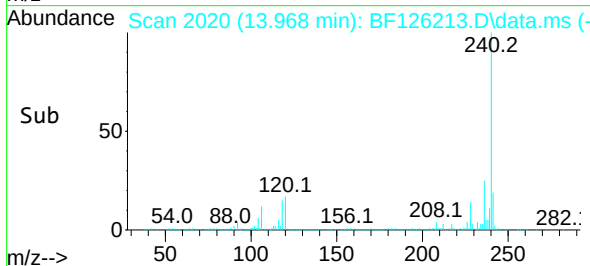


Tgt Ion:240 Resp: 390585
Ion Ratio Lower Upper
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120 17.1 10.8 16.2
236 25.5 21.6 32.4

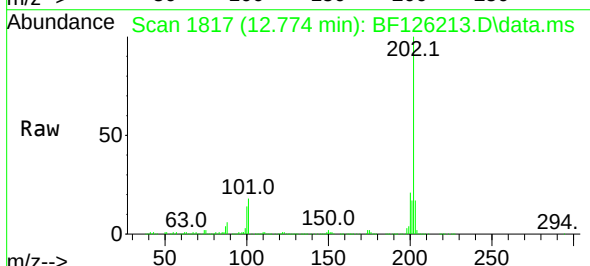
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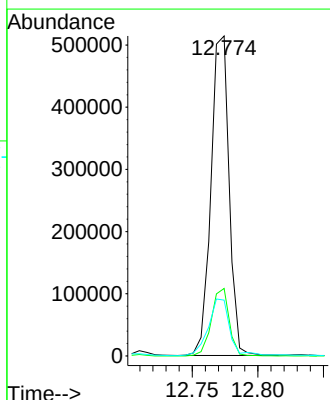
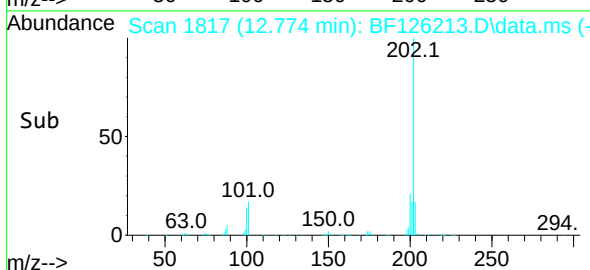
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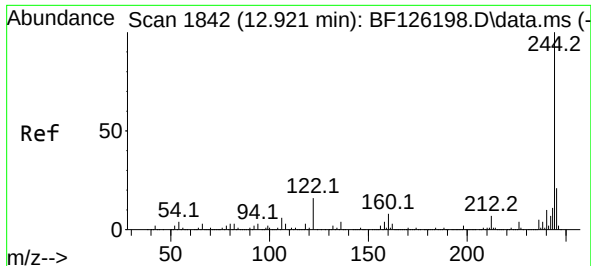


#78
Pyrene
Concen: 13.785 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



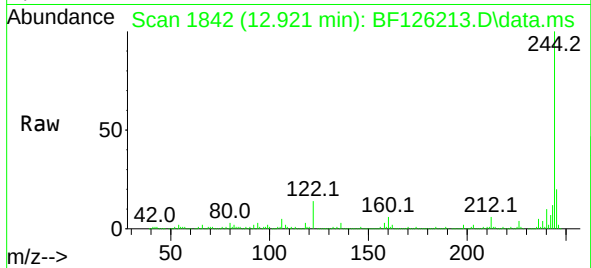
Tgt Ion:202 Resp: 494674
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 17.5 13.4 20.0





#79
 Terphenyl-d14
 Concen: 22.245 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53

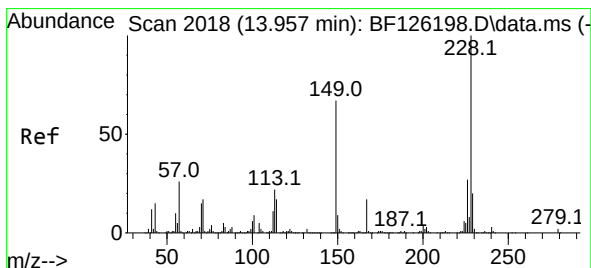
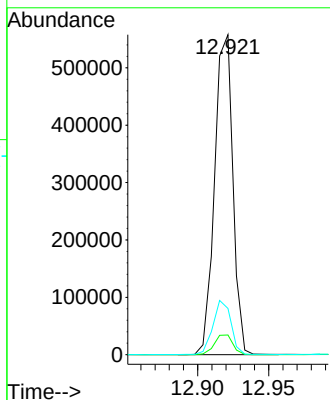
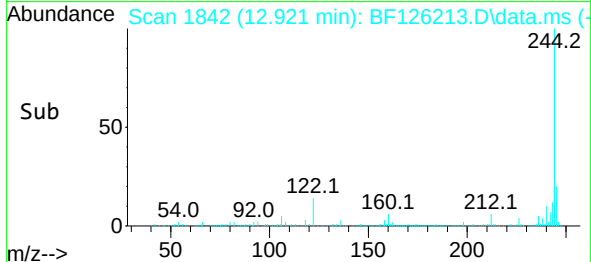
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-121321



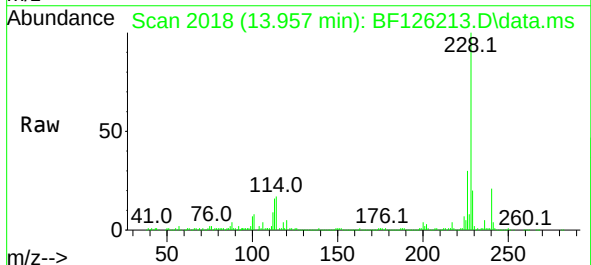
Tgt Ion:244 Resp: 499885
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.9 8.9
 122 14.4 9.0 13.4

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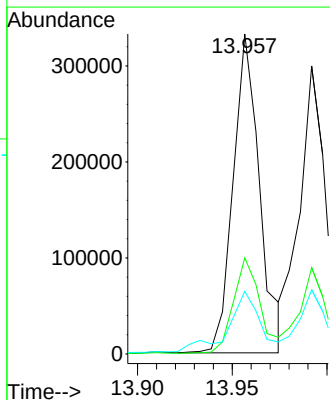
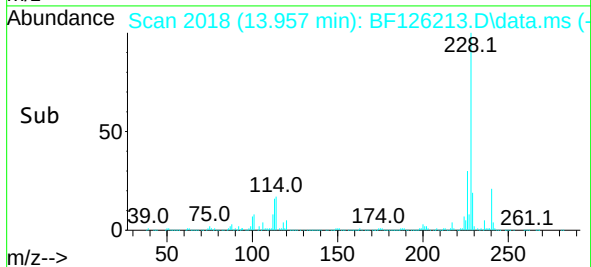
Reviewed By :Christian Giraldo 12/17/2021
 Supervised By :Jagrut Upadhyay 12/17/2021

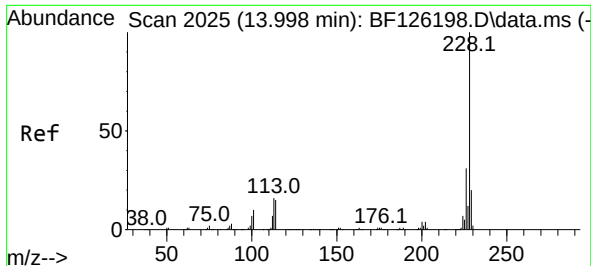


#81
 Benzo(a)anthracene
 Concen: 13.955 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: BF126213.D
 Acq: 16 Dec 2021 15:53



Tgt Ion:228 Resp: 322870
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.6 32.4
 229 19.5 15.6 23.4





#83
Chrysene
Concen: 11.574 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

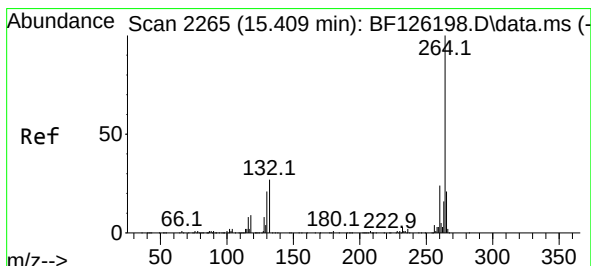
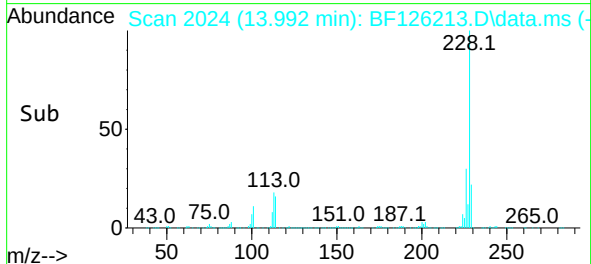
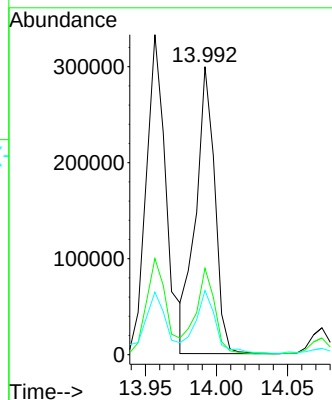
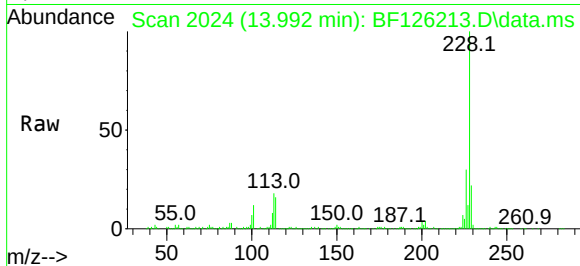
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Tgt Ion:228 Resp: 278228
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 22.3 15.9 23.9

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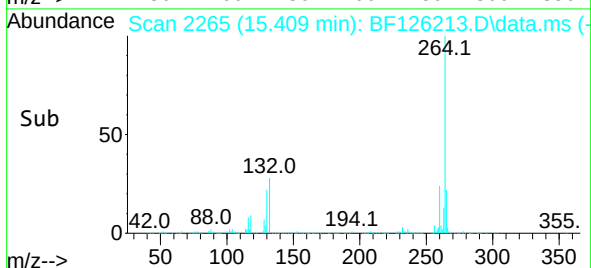
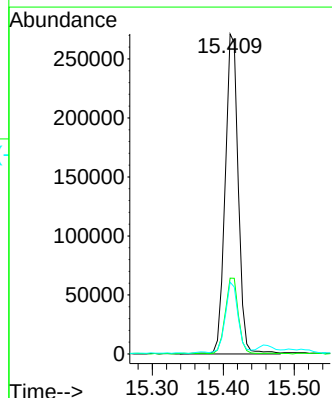
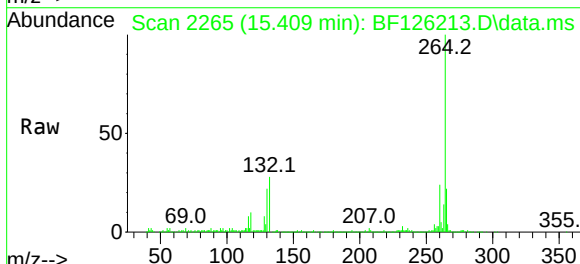
APPROVED

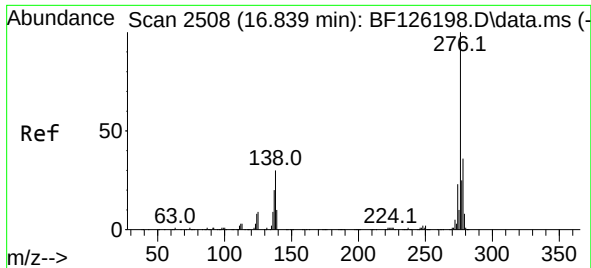
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

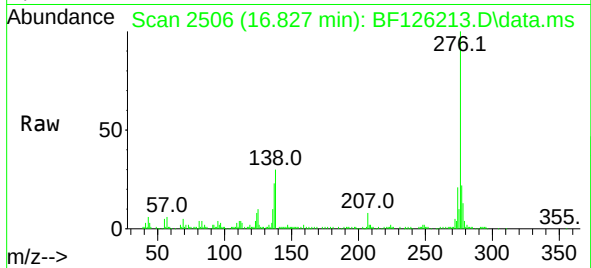
Tgt Ion:264 Resp: 345033
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 22.4 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.303 ng
RT: 16.827 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

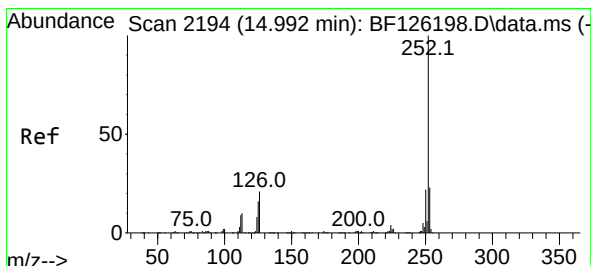
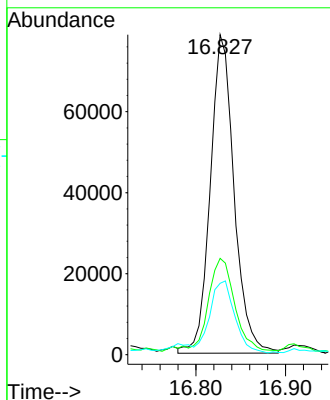
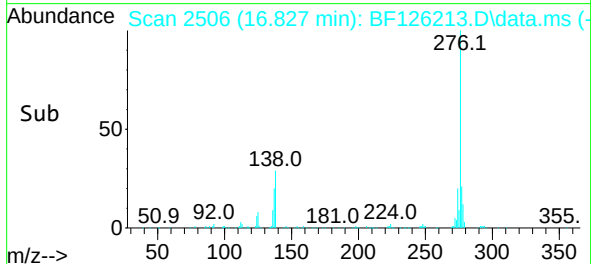
Instrument :
BNA_F
ClientSampleId :
EO-03-121321



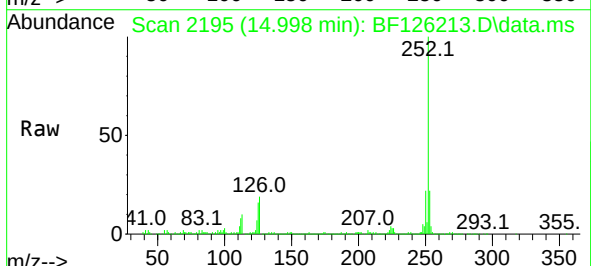
Tgt Ion:276 Resp: 14506
Ion Ratio Lower Upper
276 100
138 32.8 24.1 36.1
277 23.5 18.8 28.2

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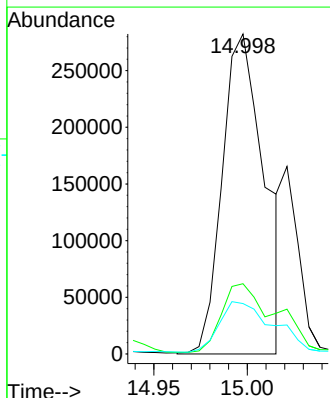
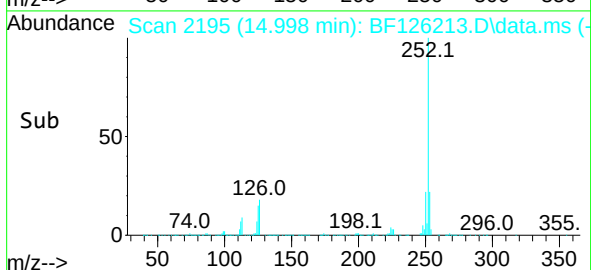
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021

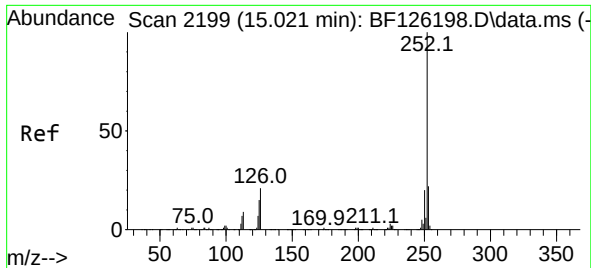


#88
Benzo(b)fluoranthene
Concen: 21.293 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53



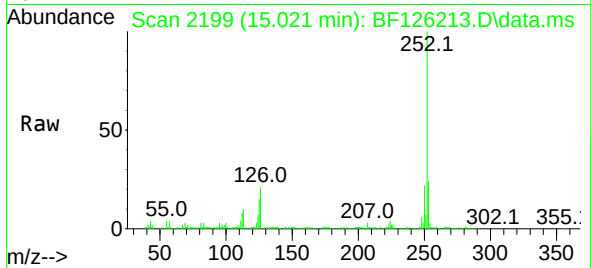
Tgt Ion:252 Resp: 441443
Ion Ratio Lower Upper
252 100
253 22.0 16.8 25.2
125 15.8 9.8 14.8#





#89
Benzo(k)fluoranthene
Concen: 5.322 ng m
RT: 15.021 min Scan# 2199
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

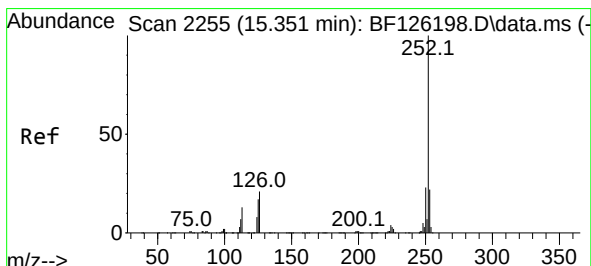
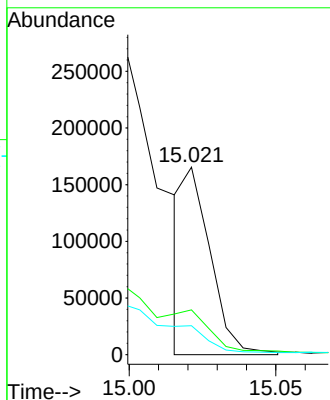
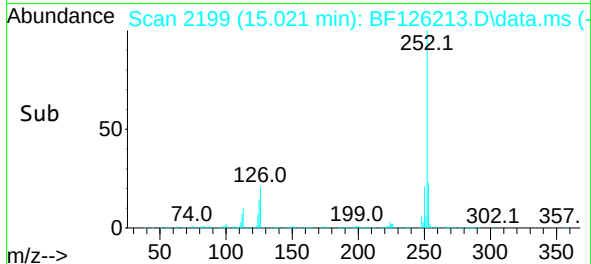
Instrument :
BNA_F
ClientSampleId :
EO-03-121321



Tgt Ion:252 Resp: 10554
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 15.5 7.2 10.8

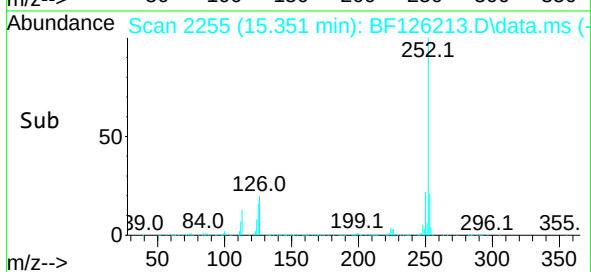
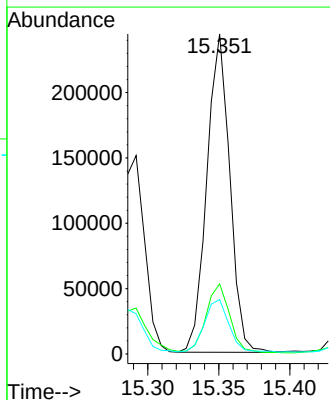
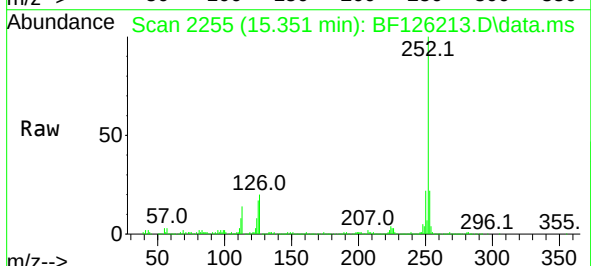
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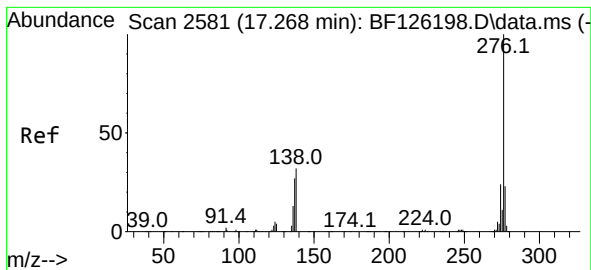
Reviewed By :Christian Giraldo 12/17/2021
Supervised By :Jagrut Upadhyay 12/17/2021



#90
Benzo(a)pyrene
Concen: 15.862 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.000 min
Lab File: BF126213.D
Acq: 16 Dec 2021 15:53

Tgt Ion:252 Resp: 273308
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 17.0 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 6.512 ng

RT: 17.256 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126213.D

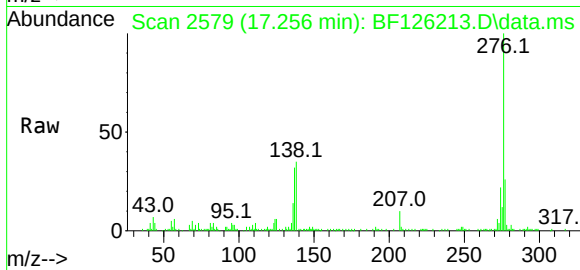
Acq: 16 Dec 2021 15:53

Instrument :

BNA_F

ClientSampleId :

EO-03-121321



Tgt Ion:276 Resp: 126059

Ion Ratio Lower Upper

276 100

277 26.2 22.0 33.0

138 35.5 22.2 33.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/17/2021

Supervised By :Jagrut Upadhyay 12/17/2021

