

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
 Data File : BF126941.D
 Acq On : 17 Feb 2022 22:12
 Operator : CG\JU
 Sample : N1572-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-021622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/18/2022
 Supervised By : Jagrut Upadhyay 02/18/2022

Quant Time: Feb 18 03:46:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 16 14:55:48 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	113743	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	454518	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	214469	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	301993	20.000	ng	0.00
76) Chrysene-d12	14.104	240	191464	20.000	ng	# 0.00
86) Perylene-d12	15.610	264	152113	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	125292	17.025	ng	-0.01
7) Phenol-d6	6.540	99	166271	16.744	ng	-0.02
23) Nitrobenzene-d5	7.487	82	117234	11.642	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	32593	13.199	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	192217	13.194	ng	0.00
79) Terphenyl-d14	13.039	244	130688	10.034	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.480	178	57499	3.402	ng	99
75) Fluoranthene	12.674	202	79262	4.939	ng	95
78) Pyrene	12.904	202	70948	4.265	ng	99
81) Benzo(a)anthracene	14.092	228	39265	3.042	ng	92
83) Chrysene	14.127	228	30501m	2.513	ng	
88) Benzo(b)fluoranthene	15.163	252	42516m	4.162	ng	
90) Benzo(a)pyrene	15.539	252	27615	3.460	ng	94

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

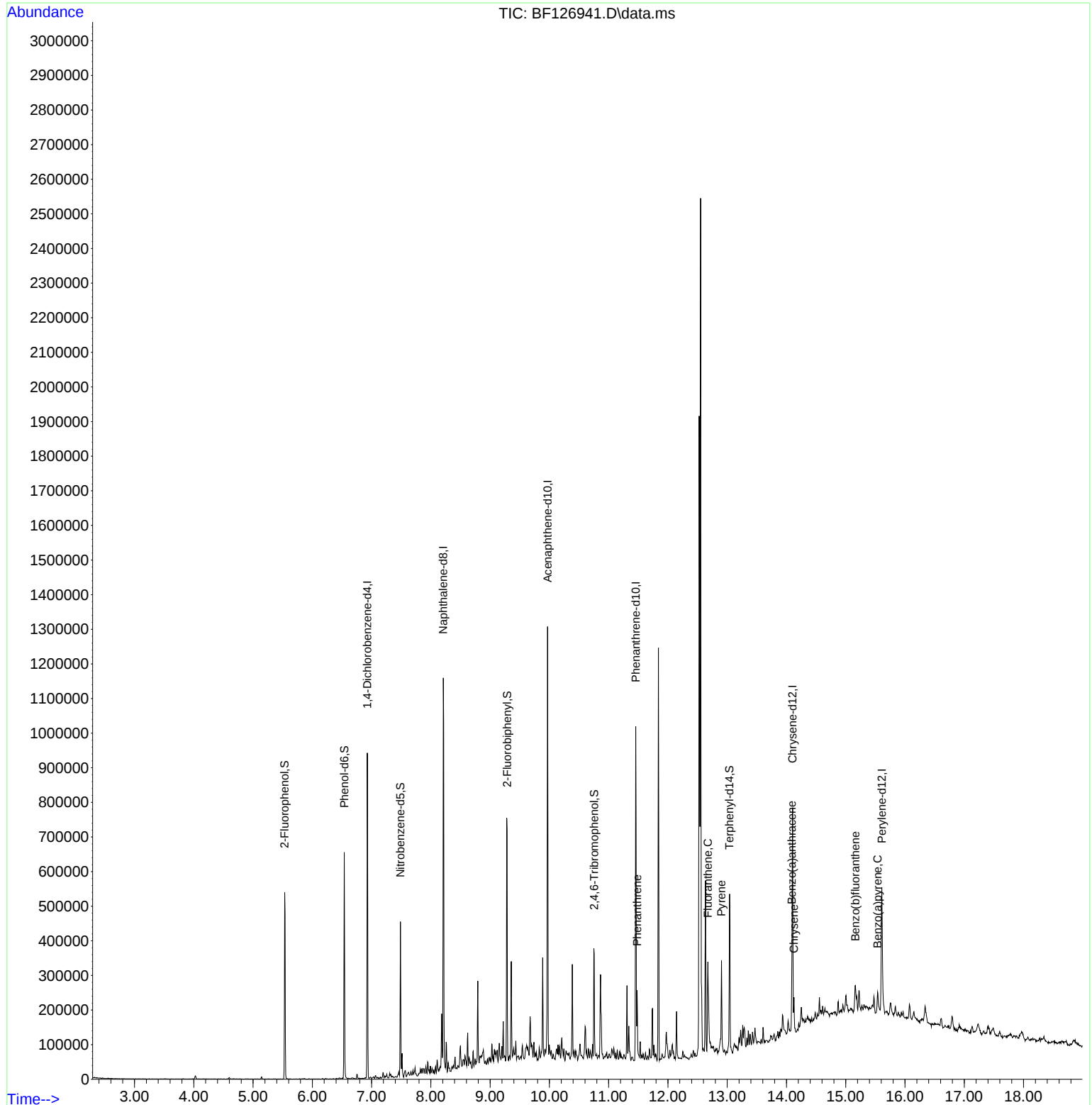
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 16 14:55:48 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

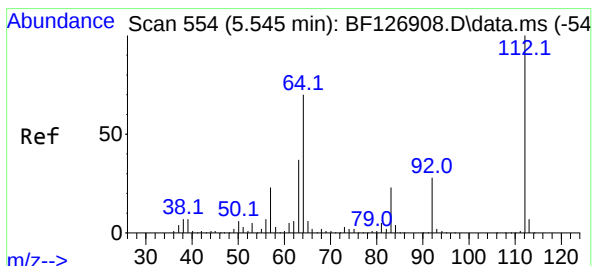
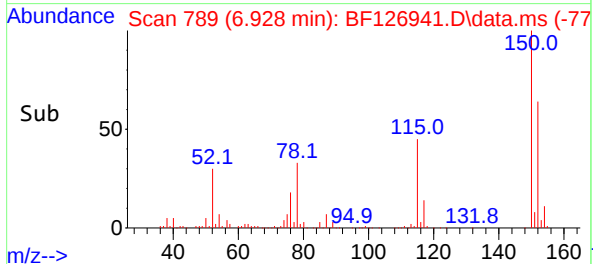
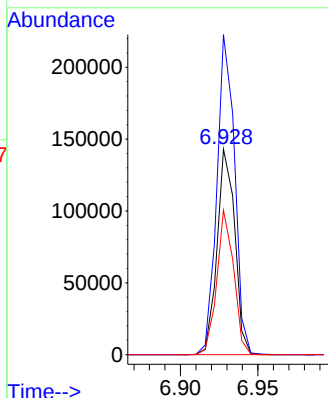
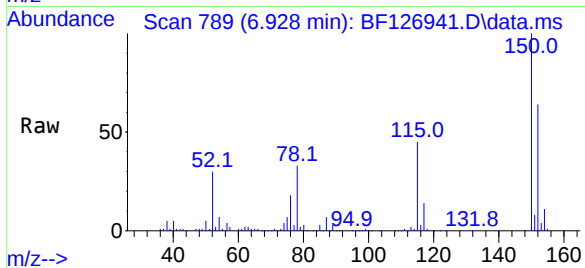
PL-02-021622

Tgt Ion:152 Resp: 11374
Ion Ratio Lower Upper
152 100
150 155.7 128.1 192.1
115 70.3 56.7 85.1

Manual Integrations

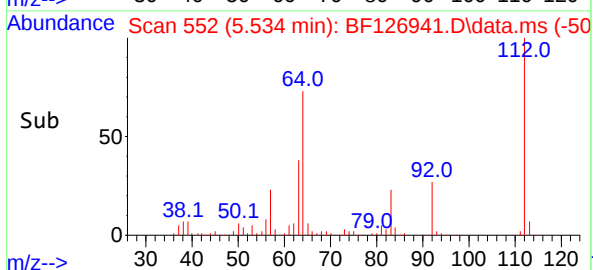
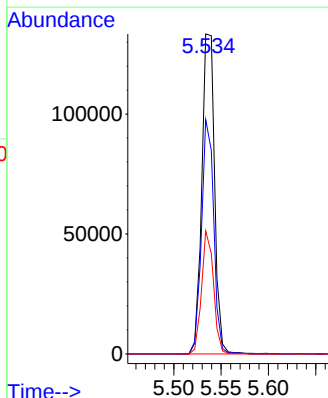
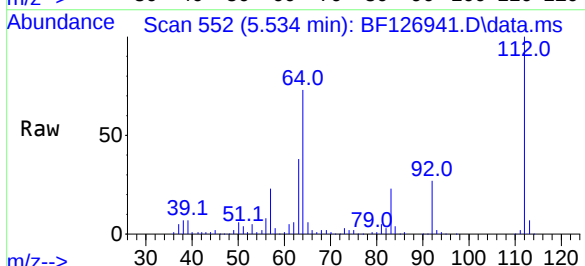
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#5
2-Fluorophenol
Concen: 17.025 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

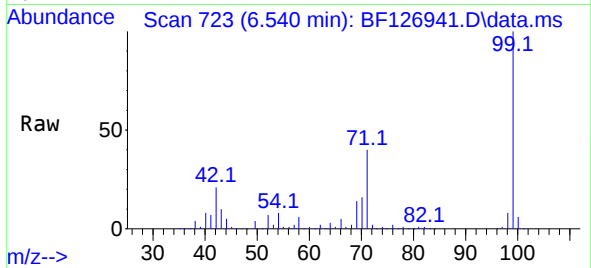
Tgt Ion:112 Resp: 125292
Ion Ratio Lower Upper
112 100
64 73.2 49.5 74.3
63 38.5 23.9 35.9





#7
Phenol-d6
Concen: 16.744 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

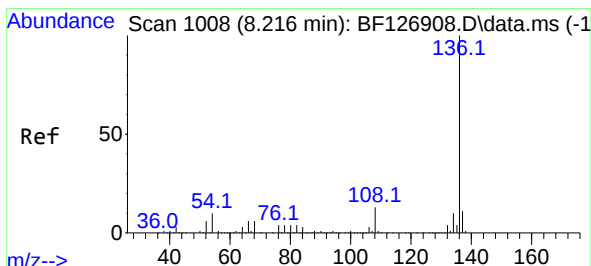
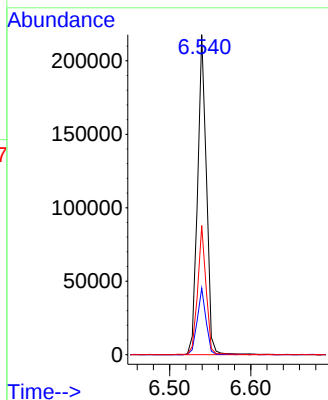
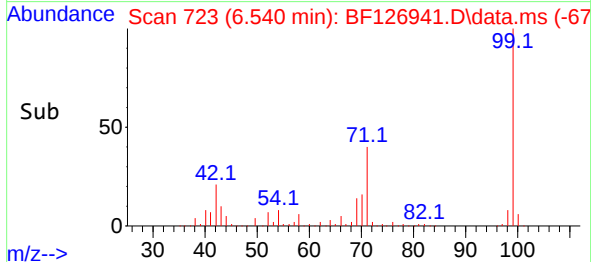
Instrument :
BNA_F
ClientSampleId :
PL-02-021622



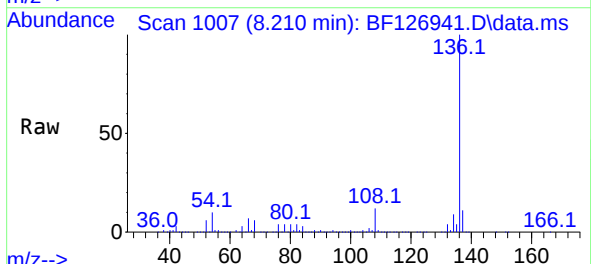
Tgt Ion: 99 Resp: 16627
Ion Ratio Lower Upper
99 100
42 20.8 14.2 21.4
71 40.4 24.3 36.5

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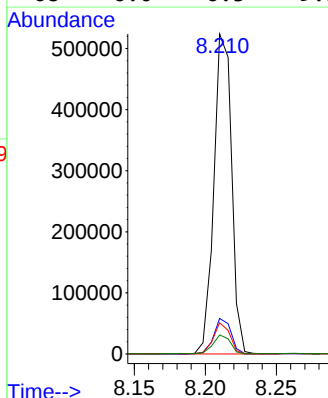
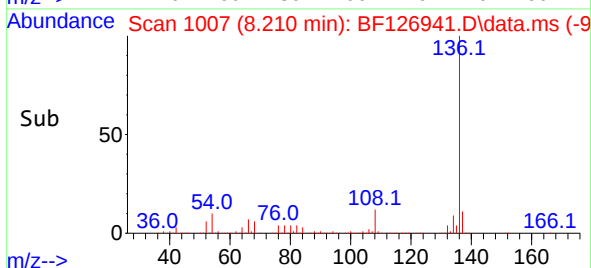
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

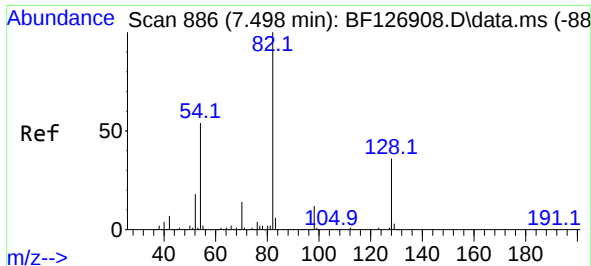


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12



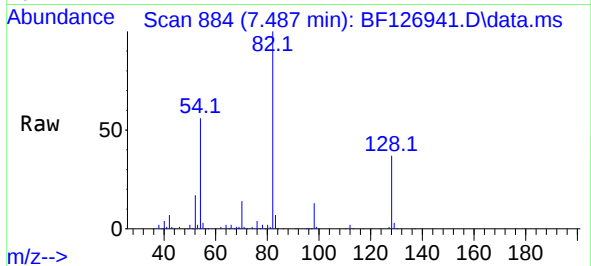
Tgt Ion:136 Resp: 454518
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.7 7.8 11.6
68 6.0 6.3 9.5





#23
Nitrobenzene-d5
Concen: 11.642 ng
RT: 7.487 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

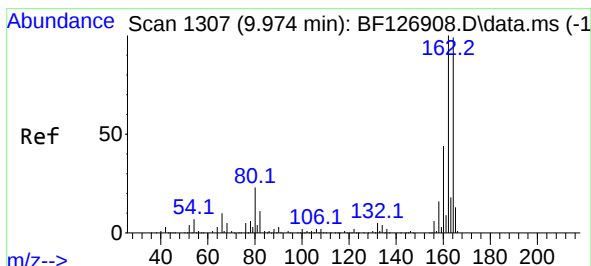
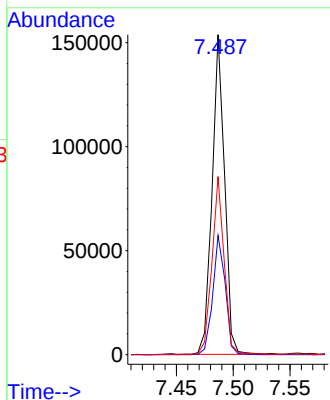
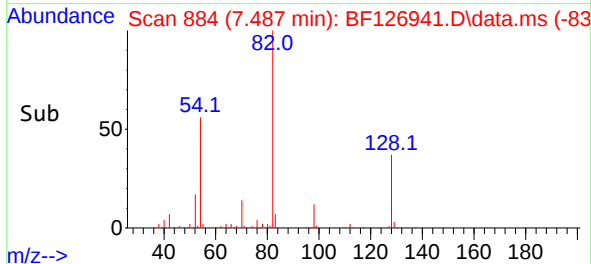
Instrument :
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ClientSampleId :
PL-02-021622



Tgt Ion: 82 Resp: 117234
Ion Ratio Lower Upper
82 100
128 37.2 32.7 49.1
54 55.6 41.7 62.5

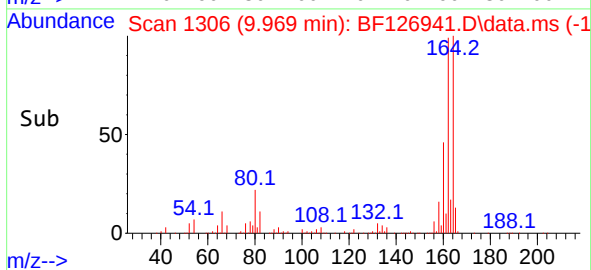
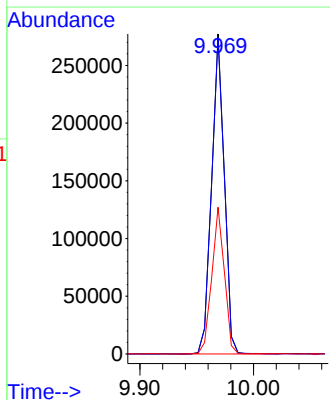
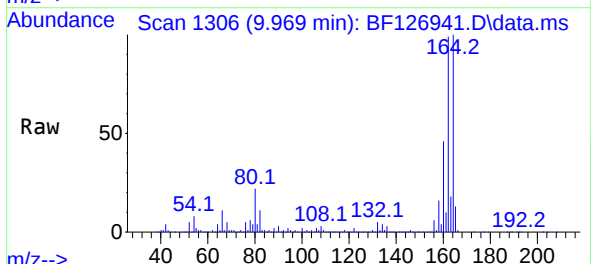
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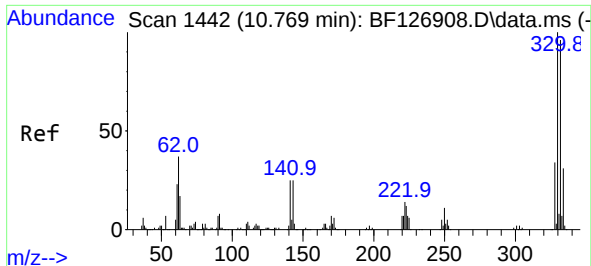
Reviewed By :Christian Giraldo 02/18/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Tgt Ion:164 Resp: 214469
Ion Ratio Lower Upper
164 100
162 98.9 81.4 122.0
160 45.8 36.6 54.8





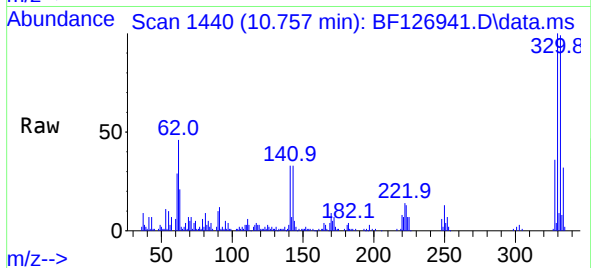
#42
2,4,6-Tribromophenol
Concen: 13.199 ng
RT: 10.757 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

PL-02-021622

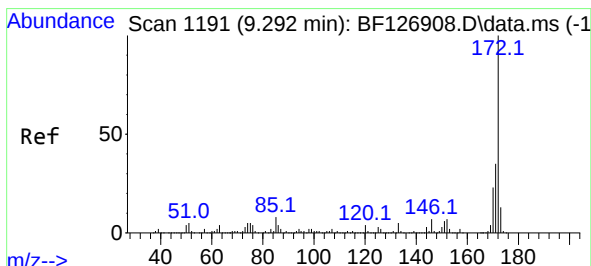
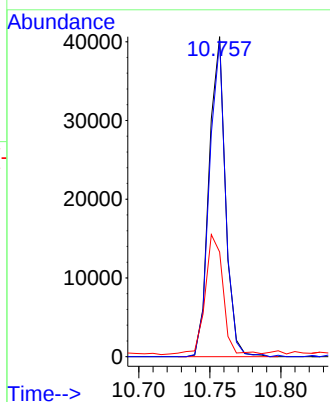
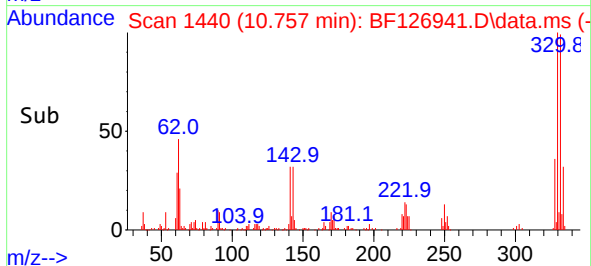


Tgt Ion:330 Resp: 3259
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 40.8 30.1 45.1

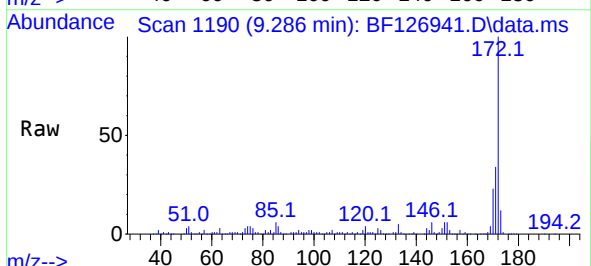
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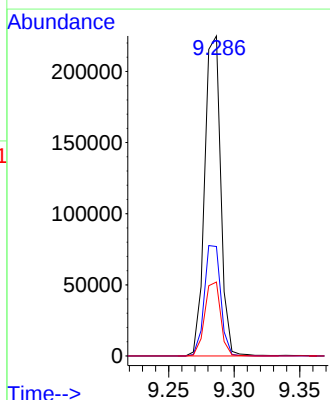
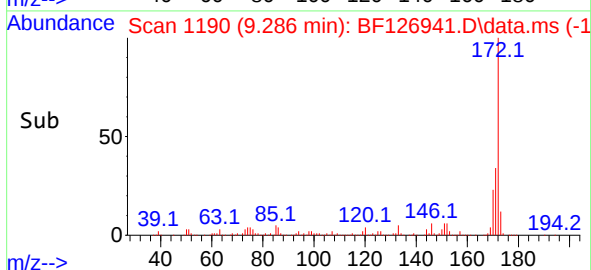
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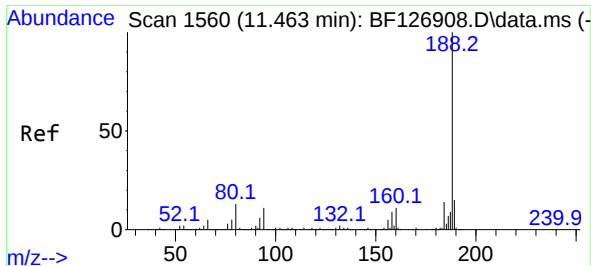


#45
2-Fluorobiphenyl
Concen: 13.194 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12



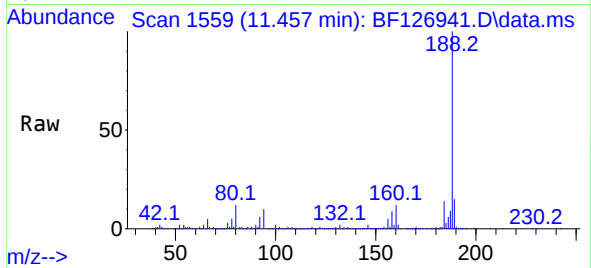
Tgt Ion:172 Resp: 192217
Ion Ratio Lower Upper
172 100
171 34.2 28.3 42.5
170 23.1 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

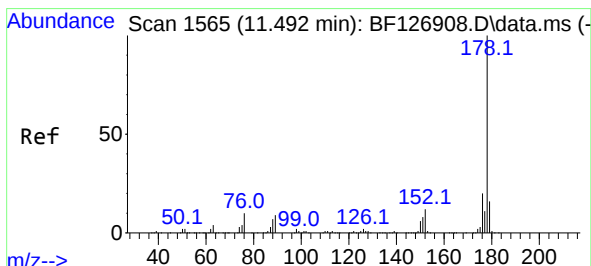
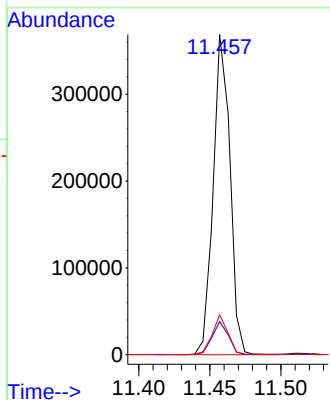
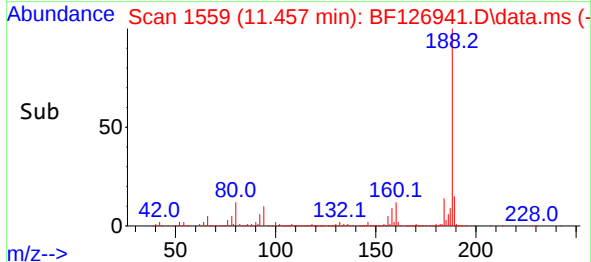
Instrument :
BNA_F
ClientSampleId :
PL-02-021622



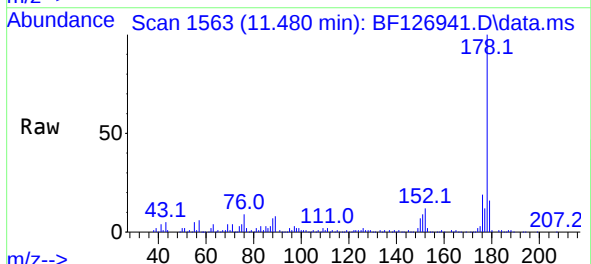
Tgt Ion:188 Resp: 30199
Ion Ratio Lower Upper
188 100
94 10.3 10.1 15.1
80 12.5 11.8 17.6

Manual Integrations
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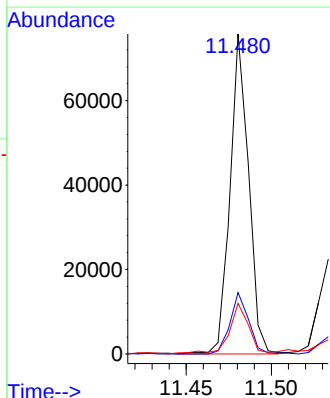
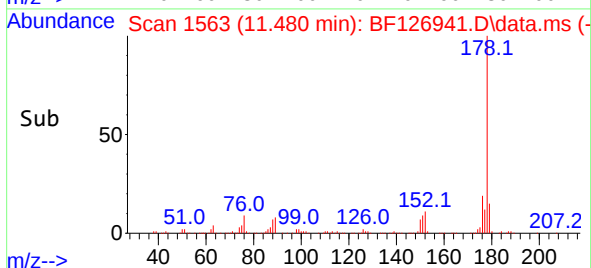
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022

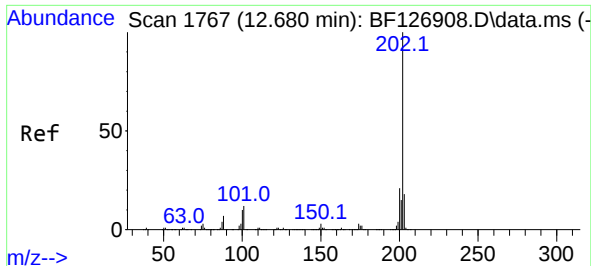


#71
Phenanthrene
Concen: 3.402 ng
RT: 11.480 min Scan# 1563
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12



Tgt Ion:178 Resp: 57499
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.8 12.3 18.5





#75
Fluoranthene
Concen: 4.939 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

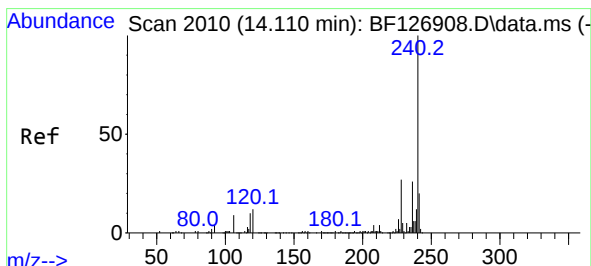
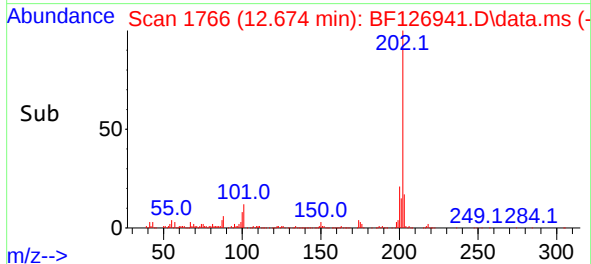
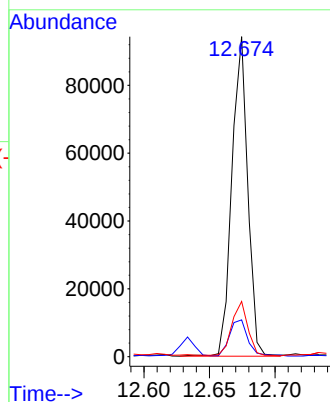
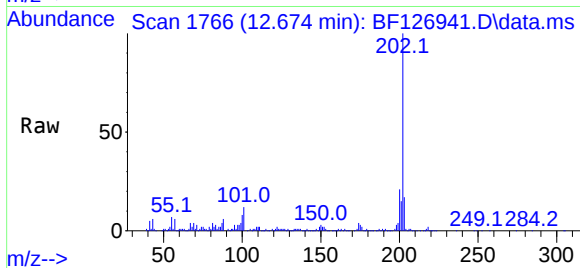
PL-02-021622

Tgt Ion:202 Resp: 7926
Ion Ratio Lower Upper
202 100
101 11.5 0.0 35.7
203 17.3 0.0 37.1

Manual Integrations

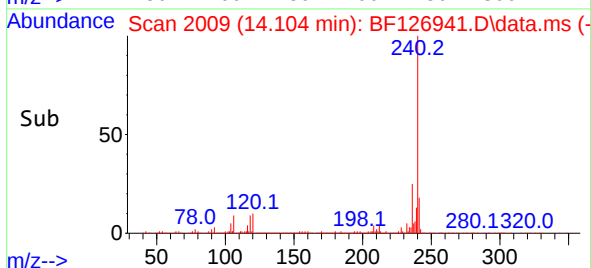
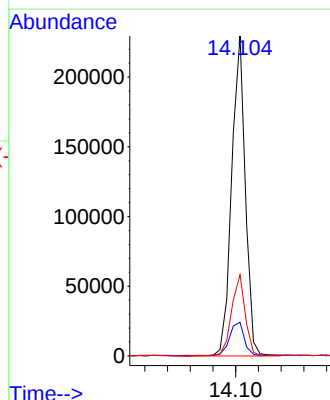
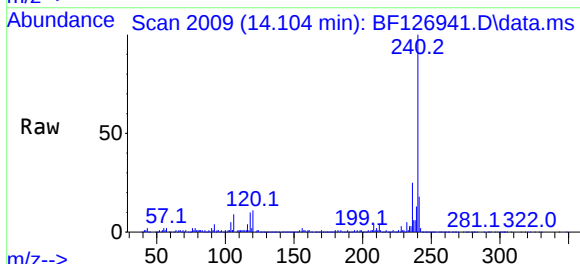
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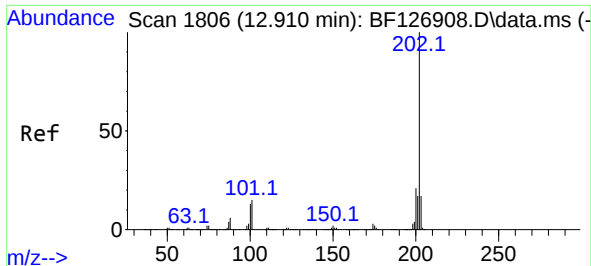
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

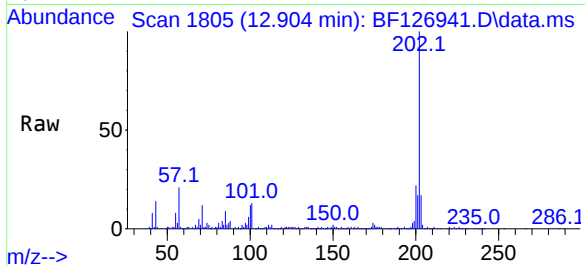
Tgt Ion:240 Resp: 191464
Ion Ratio Lower Upper
240 100
120 10.5 14.4 21.6#
236 25.4 20.5 30.7





#78
Pyrene
Concen: 4.265 ng
RT: 12.904 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

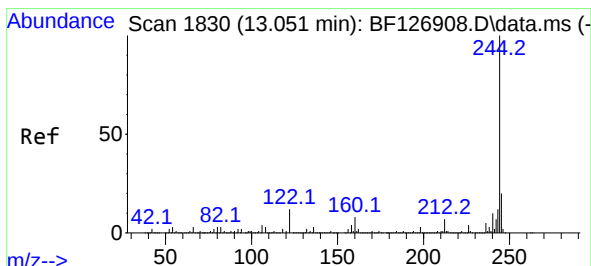
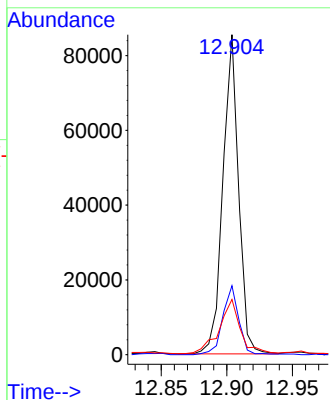
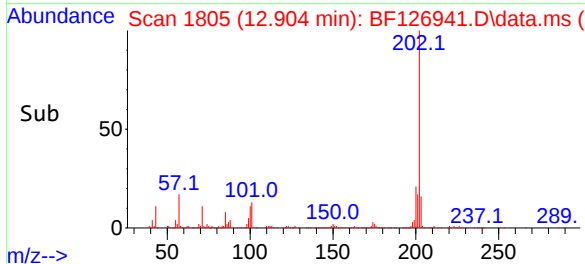
Instrument :
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PL-02-021622



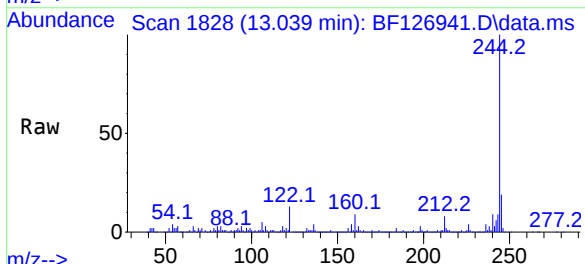
Tgt Ion:202 Resp: 70948
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 17.3 13.8 20.8

Manual Integrations
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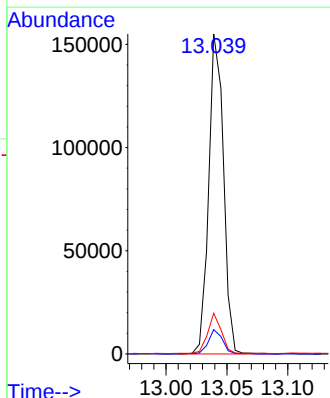
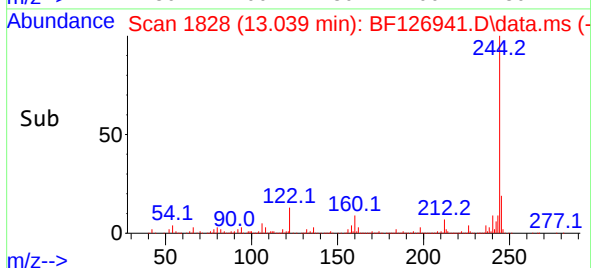
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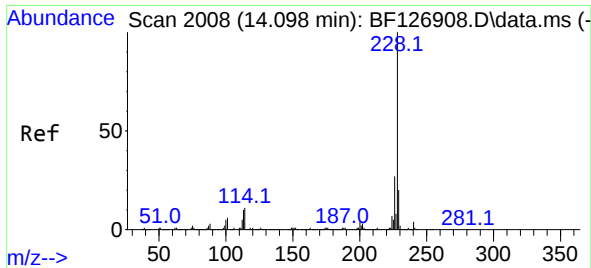


#79
Terphenyl-d14
Concen: 10.034 ng
RT: 13.039 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12



Tgt Ion:244 Resp: 130688
Ion Ratio Lower Upper
244 100
212 7.6 5.0 7.4#
122 12.7 13.3 19.9#





#81
Benzo(a)anthracene
Concen: 3.042 ng
RT: 14.092 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

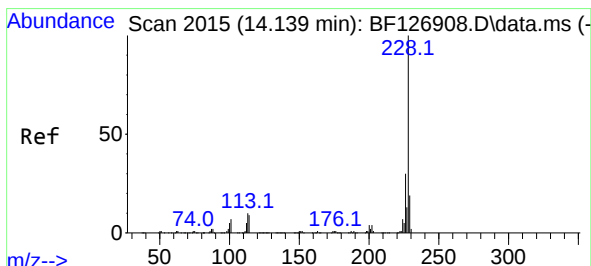
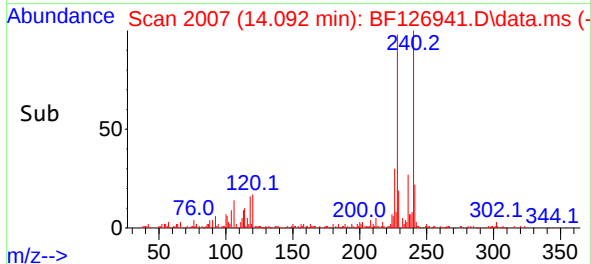
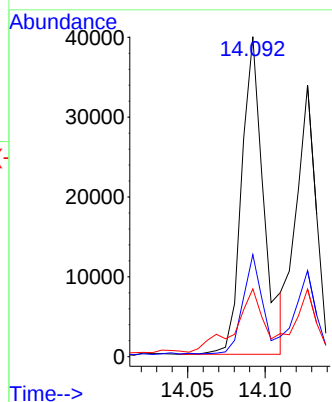
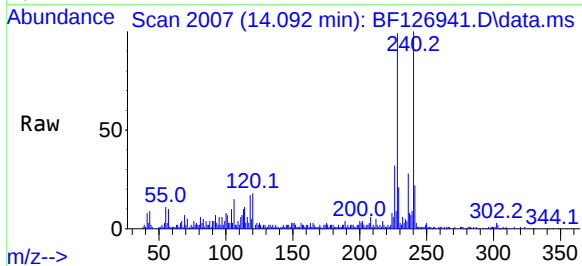
PL-02-021622

Tgt Ion:228 Resp: 3926
Ion Ratio Lower Upper
228 100
226 31.9 21.4 32.0
229 21.2 15.4 23.2

Manual Integrations

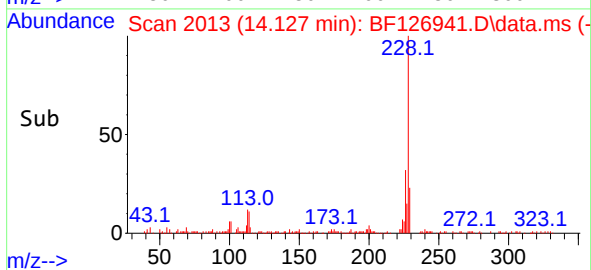
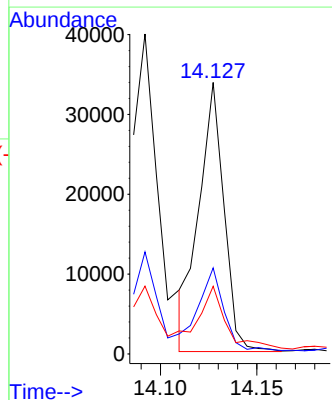
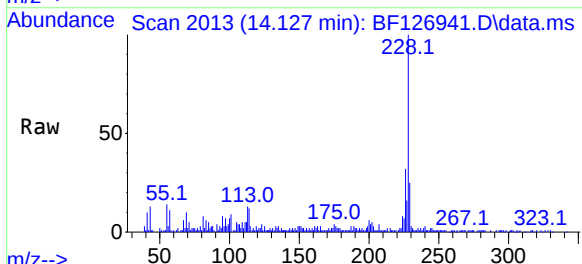
APPROVED

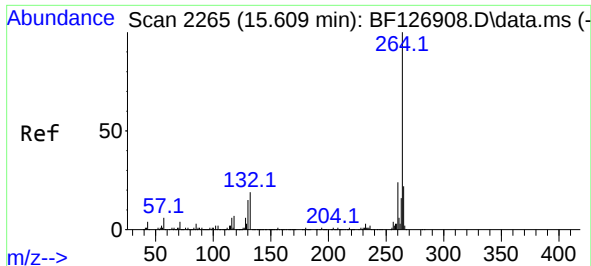
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#83
Chrysene
Concen: 2.513 ng m
RT: 14.127 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Tgt Ion:228 Resp: 30501
Ion Ratio Lower Upper
228 100
226 31.7 23.7 35.5
229 25.0 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.610 min Scan# 2189
Delta R.T. 0.000 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :

BNA_F

ClientSampleId :

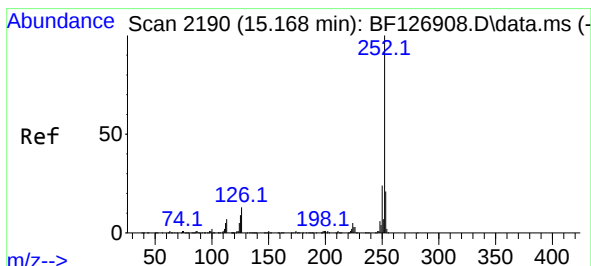
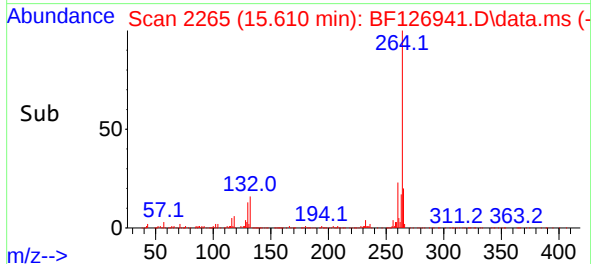
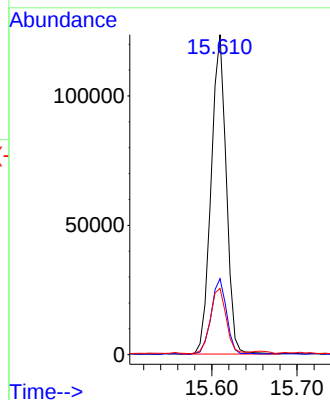
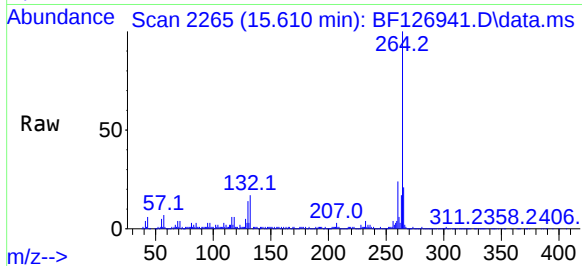
PL-02-021622

Tgt Ion:264 Resp: 15211
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 20.7 17.4 26.2

Manual Integrations

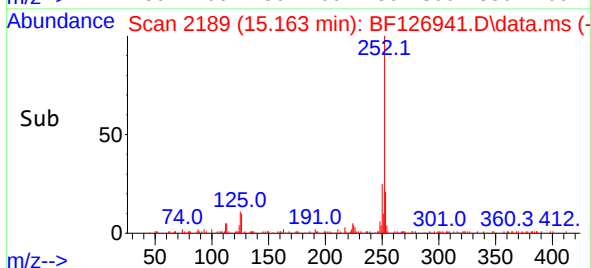
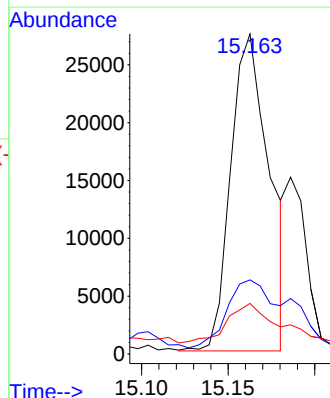
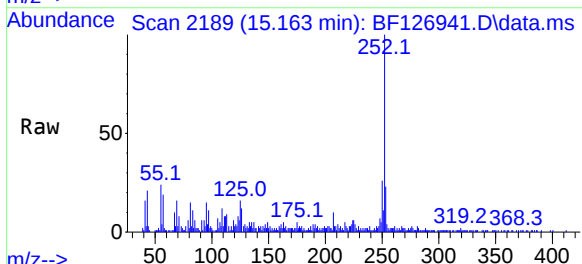
APPROVED

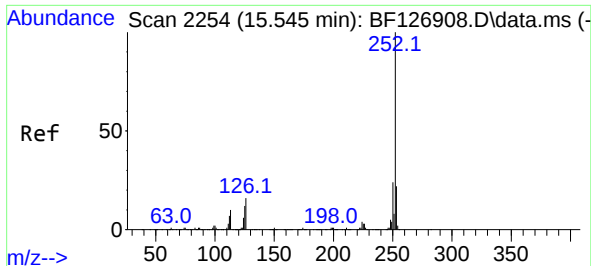
Reviewed By :Christian Giraldo 02/18/2022
Supervised By :Jagrut Upadhyay 02/18/2022



#88
Benzo(b)fluoranthene
Concen: 4.162 ng m
RT: 15.163 min Scan# 2189
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

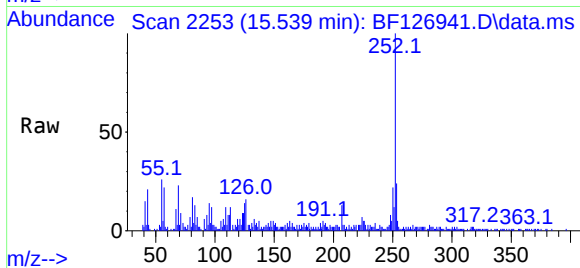
Tgt Ion:252 Resp: 42516
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 15.8 12.4 18.6





#90
Benzo(a)pyrene
Concen: 3.460 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126941.D
Acq: 17 Feb 2022 22:12

Instrument :
BNA_F
ClientSampleId :
PL-02-021622



Tgt Ion: 252 Resp: 2761

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	13.5	13.0	19.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 02/18/2022
Supervised By : Jagrut Upadhyay 02/18/2022

