

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
 Data File : BF127935.D
 Acq On : 27 Apr 2022 01:59
 Operator : CG\JU
 Sample : N2555-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-042522

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2022
 Supervised By : Jagrut Upadhyay 04/27/2022

Quant Time: Apr 27 03:21:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	147040	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	531300	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	269980	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	390351	20.000	ng	0.00
76) Chrysene-d12	14.121	240	310277	20.000	ng	0.00
86) Perylene-d12	15.639	264	230116	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	231447	25.071	ng	0.00
7) Phenol-d6	6.557	99	289183	24.141	ng	-0.01
23) Nitrobenzene-d5	7.498	82	196865	17.424	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	56240	20.693	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	328995	20.615	ng	0.00
79) Terphenyl-d14	13.057	244	262081	15.445	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.533	166	47706m	2.830	ng	
71) Phenanthrene	11.498	178	315922	15.461	ng	99
72) Anthracene	11.551	178	109804	5.395	ng	98
75) Fluoranthene	12.692	202	546018	25.390	ng	99
78) Pyrene	12.922	202	474810	18.957	ng	100
81) Benzo(a)anthracene	14.110	228	291241	14.083	ng	97
83) Chrysene	14.151	228	250059	12.661	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	93327	6.076	ng	# 95
88) Benzo(b)fluoranthene	15.186	252	278228m	19.250	ng	
89) Benzo(k)fluoranthene	15.216	252	70094m	4.814	ng	
90) Benzo(a)pyrene	15.574	252	175106	14.606	ng	98
91) Dibenzo(a,h)anthracene	17.198	278	25754	2.091	ng	# 86
92) Benzo(g,h,i)perylene	17.657	276	83307	6.417	ng	98

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

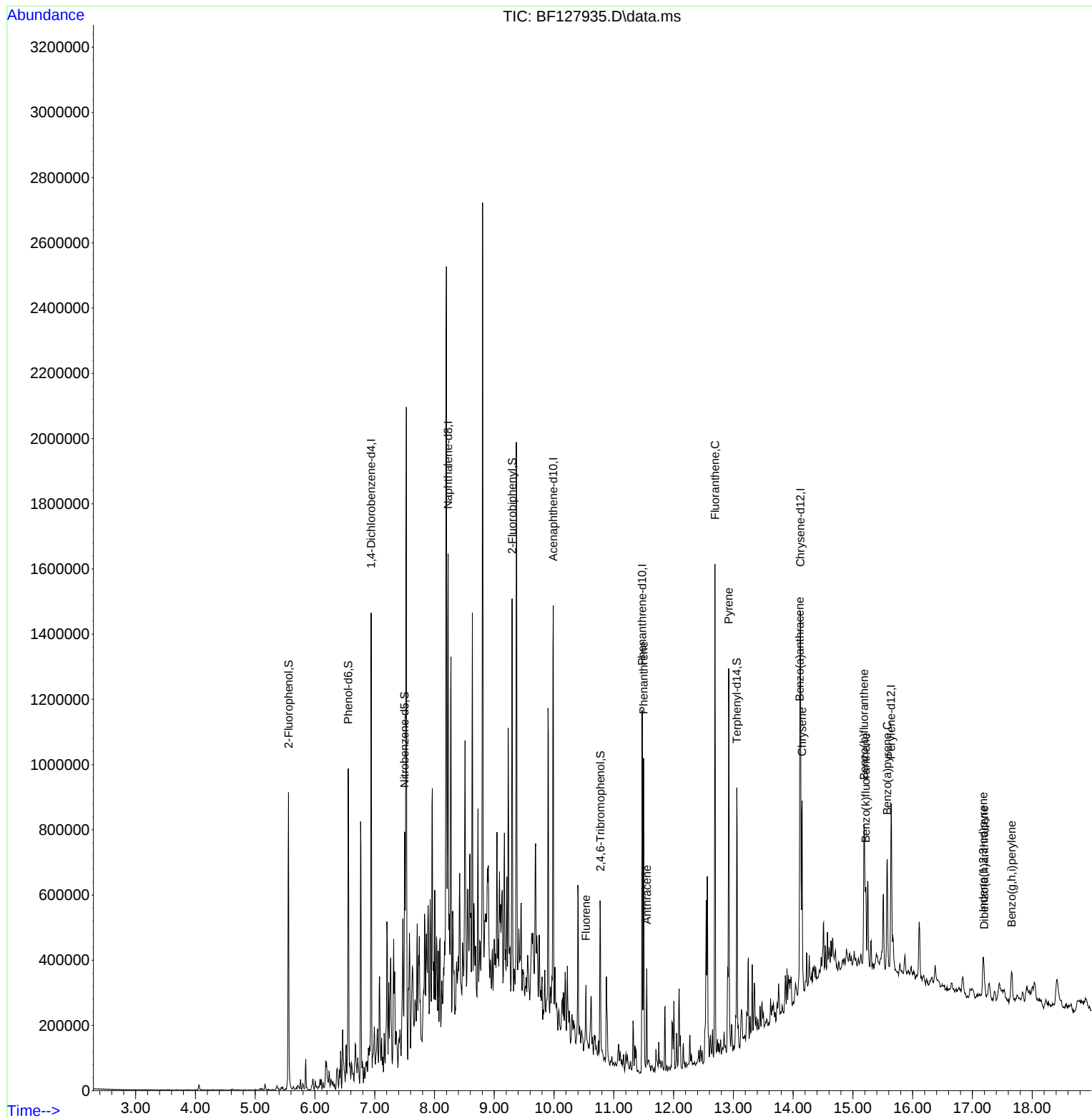
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042622\
Data File : BF127935.D
Acq On : 27 Apr 2022 01:59
Operator : CG\JU
Sample : N2555-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-042522

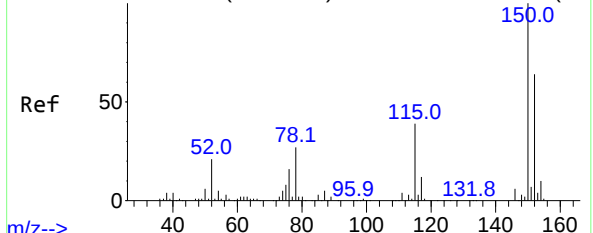
Quant Time: Apr 27 03:21:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 00:43:03 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 04/27/2022
Supervised By : Jagrut Upadhyay 04/27/2022

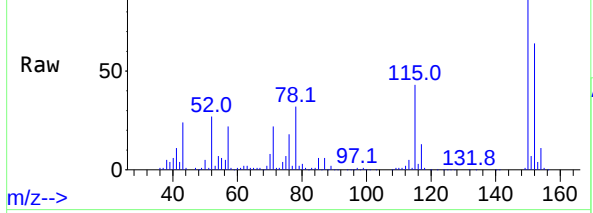


Abundance Scan 792 (6.945 min): BF127861.D\data.ms (-78



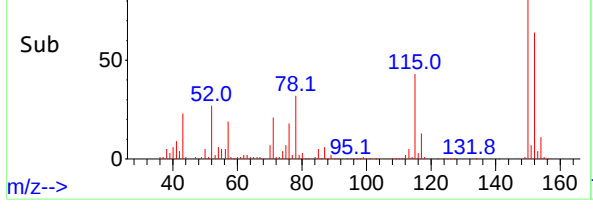
m/z-->

Abundance Scan 791 (6.940 min): BF127935.D\data.ms



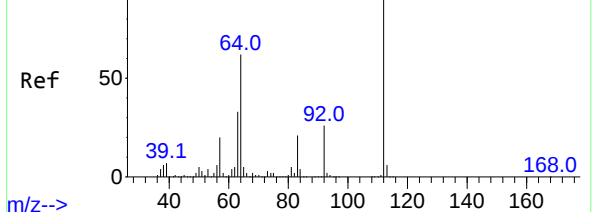
m/z-->

Abundance Scan 791 (6.940 min): BF127935.D\data.ms (-77



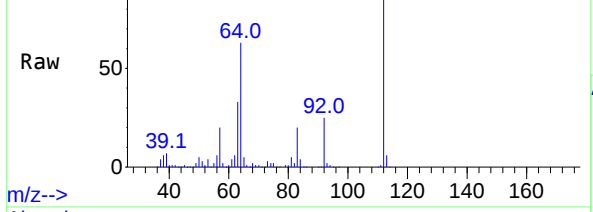
m/z-->

Abundance Scan 557 (5.563 min): BF127861.D\data.ms (-55



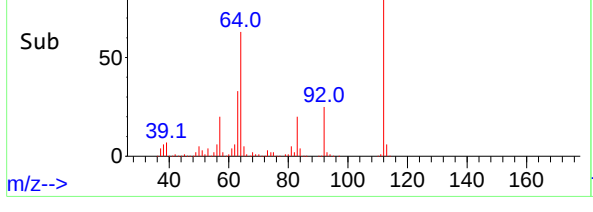
m/z-->

Abundance Scan 556 (5.557 min): BF127935.D\data.ms



m/z-->

Abundance Scan 556 (5.557 min): BF127935.D\data.ms (-50



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.940 min Scan# 791

Delta R.T. -0.005 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Tgt Ion:152 Resp: 147040

Ion Ratio Lower Upper

152 100

150 156.9 125.3 187.9

115 67.5 48.8 73.2

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

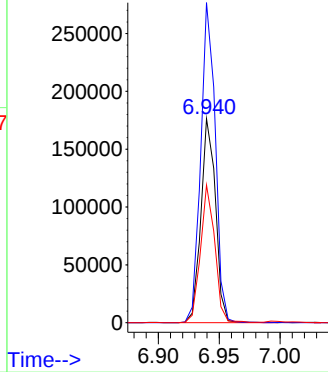
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/27/2022

Abundance



Time-->

#5

2-Fluorophenol

Concen: 25.071 ng

RT: 5.557 min Scan# 556

Delta R.T. -0.006 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Tgt Ion:112 Resp: 231447

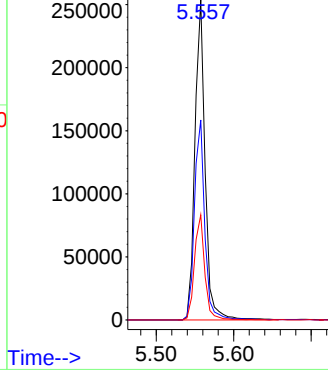
Ion Ratio Lower Upper

112 100

64 62.5 49.5 74.3

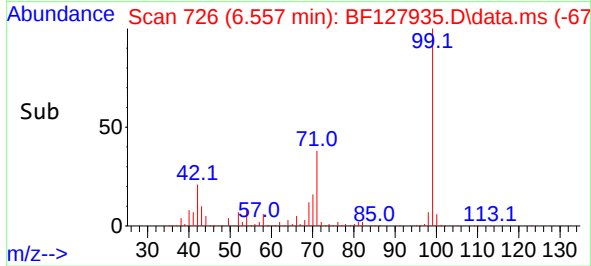
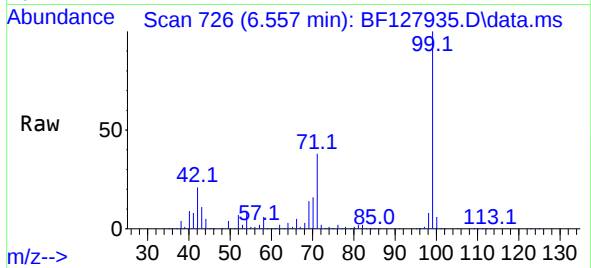
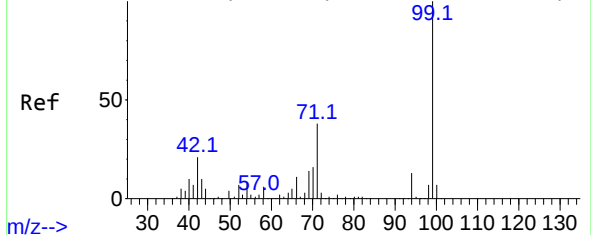
63 32.8 26.3 39.5

Abundance



Time-->

Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



#7

Phenol-d6

Concen: 24.141 ng

RT: 6.557 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

Tgt Ion: 99 Resp: 28918

Ion Ratio Lower Upper

99 100

42 21.0 16.6 24.8

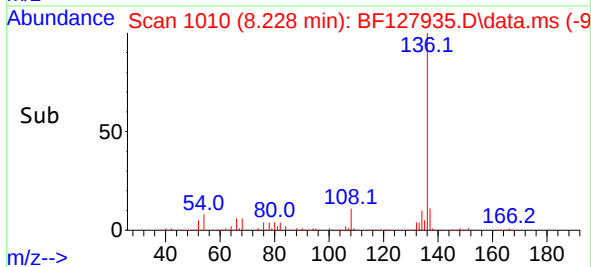
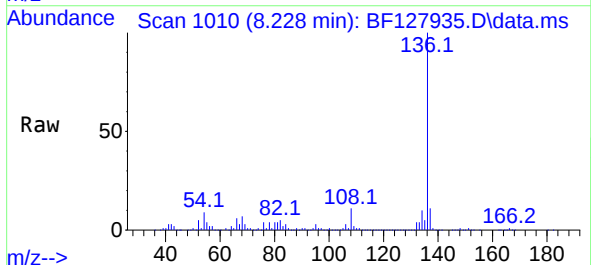
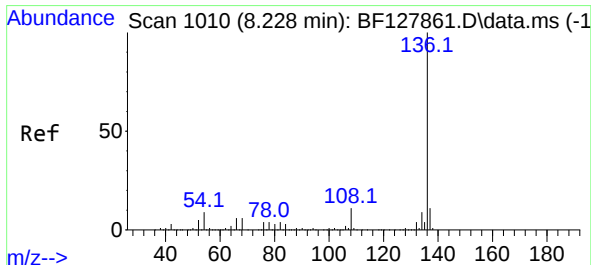
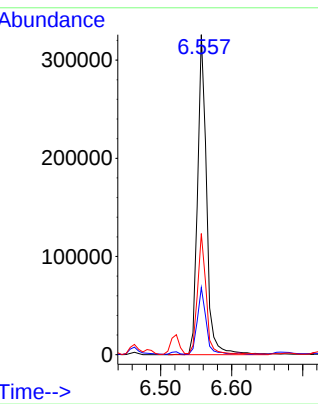
71 37.9 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/27/2022



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.228 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Tgt Ion:136 Resp: 531300

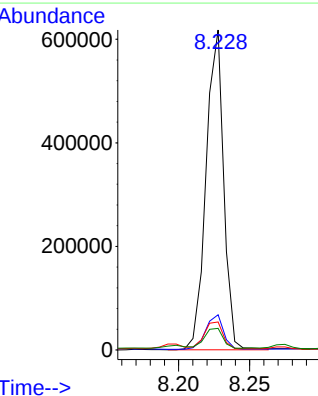
Ion Ratio Lower Upper

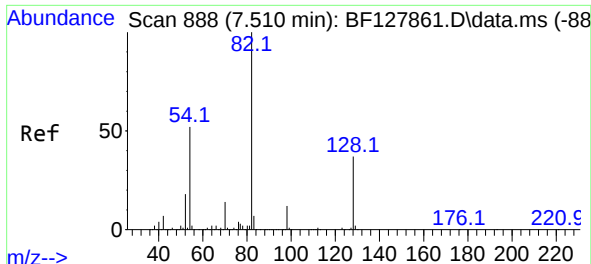
136 100

137 11.0 8.6 13.0

54 8.7 6.8 10.2

68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 17.424 ng

RT: 7.498 min Scan# 888

Delta R.T. -0.012 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

OR-03-042522

Tgt Ion: 82 Resp: 19686

Ion Ratio Lower Upper

82 100

128 36.9 30.0 45.0

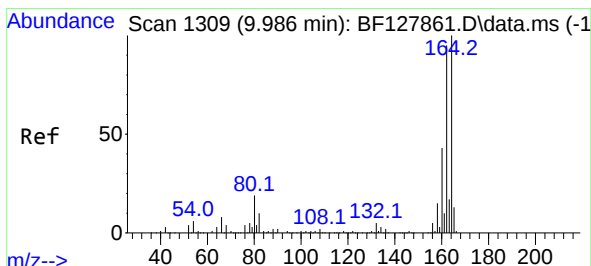
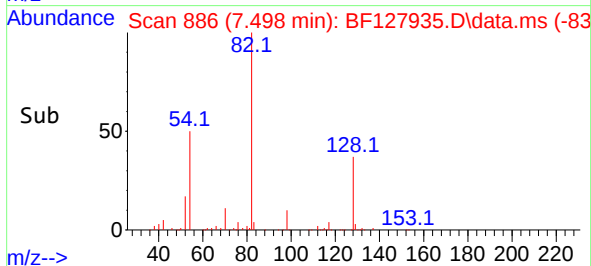
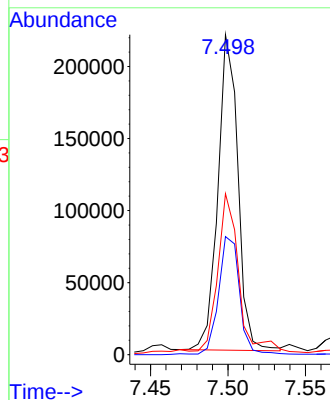
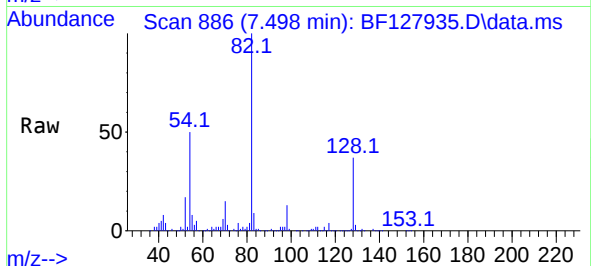
54 50.3 41.3 61.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2022

Supervised By :Jagrut Upadhyay 04/27/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF127935.D

Acq: 27 Apr 2022 01:59

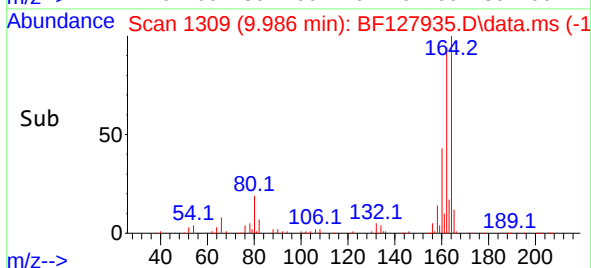
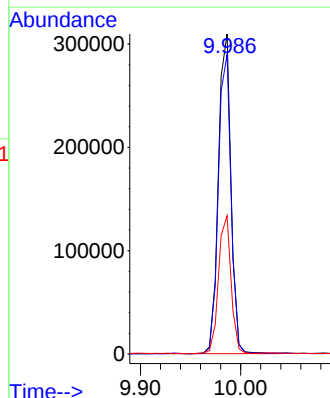
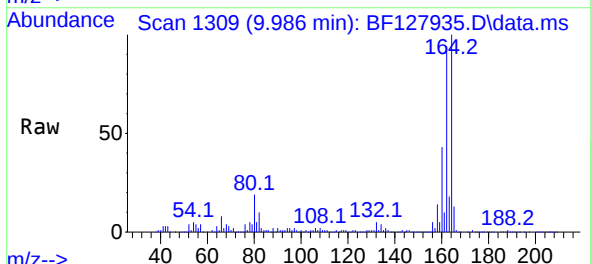
Tgt Ion:164 Resp: 269980

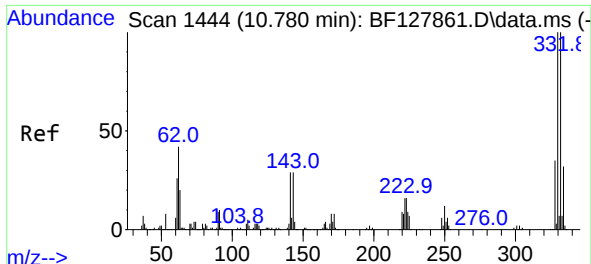
Ion Ratio Lower Upper

164 100

162 93.6 76.0 114.0

160 43.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 20.693 ng
RT: 10.775 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

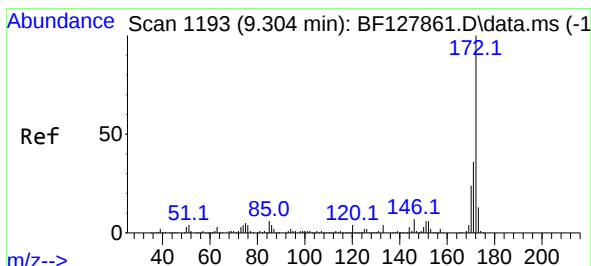
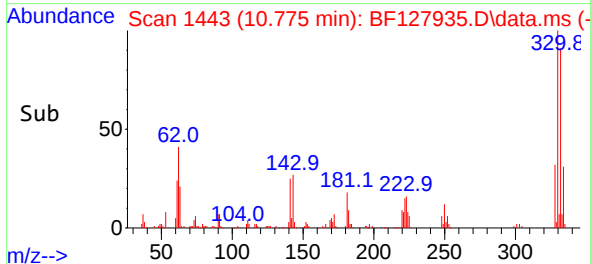
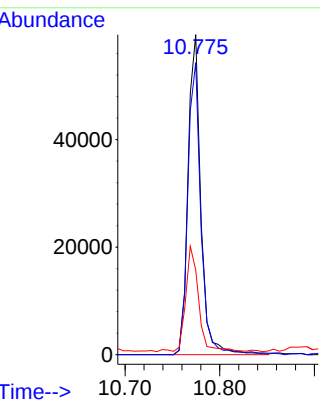
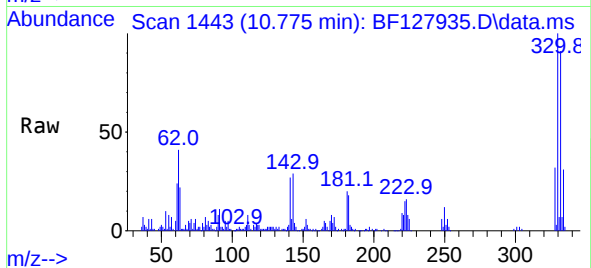
OR-03-042522

Tgt Ion:330 Resp: 56240
Ion Ratio Lower Upper
330 100
332 93.6 79.0 118.4
141 33.4 28.9 43.3

Manual Integrations

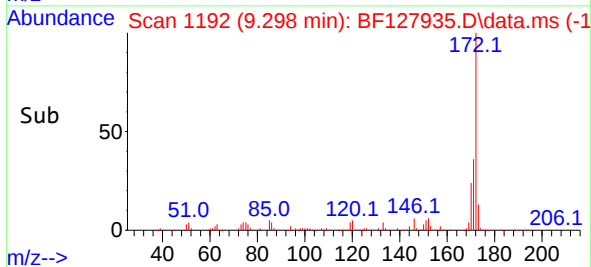
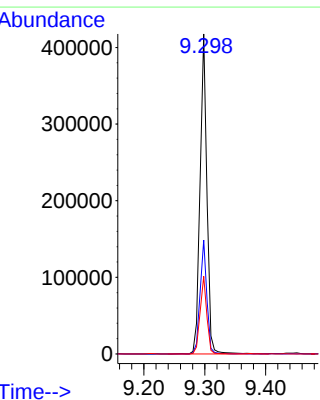
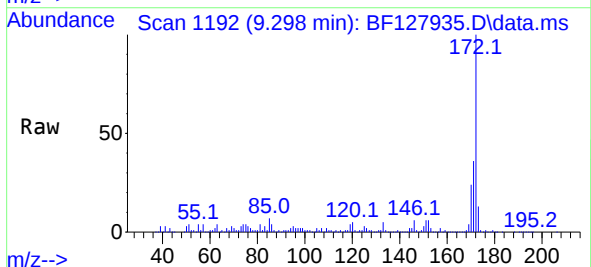
APPROVED

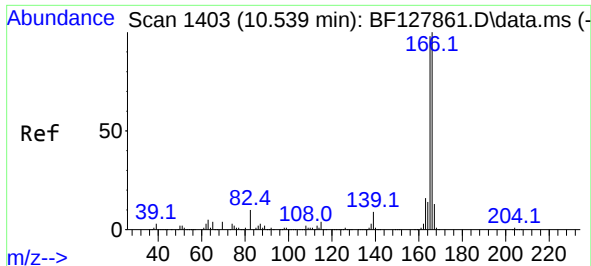
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#45
2-Fluorobiphenyl
Concen: 20.615 ng
RT: 9.298 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

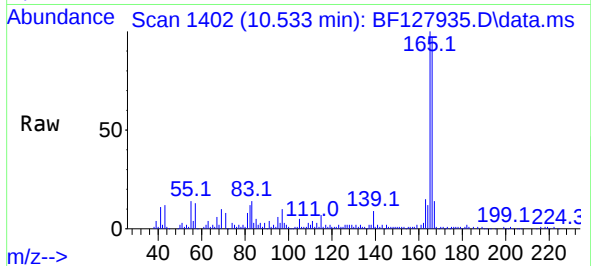
Tgt Ion:172 Resp: 328995
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.2 19.1 28.7





#58
Fluorene
Concen: 2.830 ng m
RT: 10.533 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

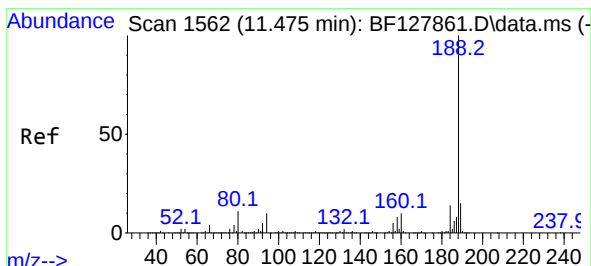
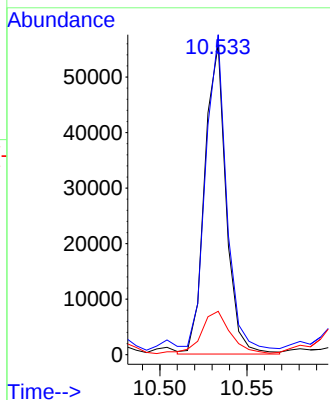
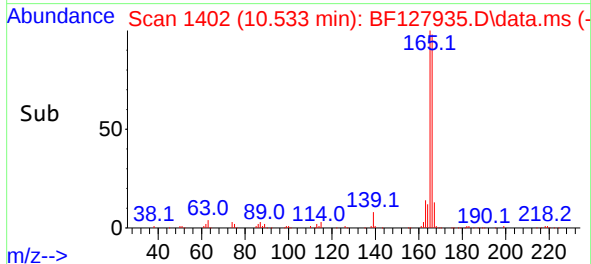
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



Tgt Ion:166 Resp: 47700
Ion Ratio Lower Upper
166 100
165 103.2 78.6 117.8
167 14.0 10.5 15.7

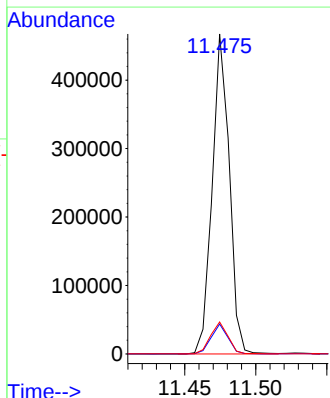
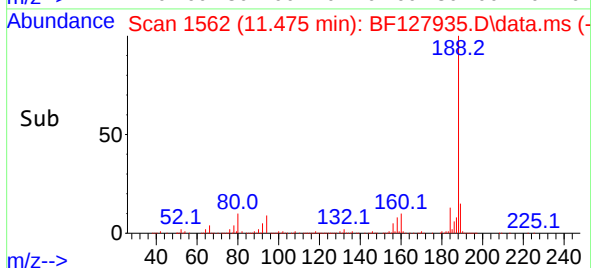
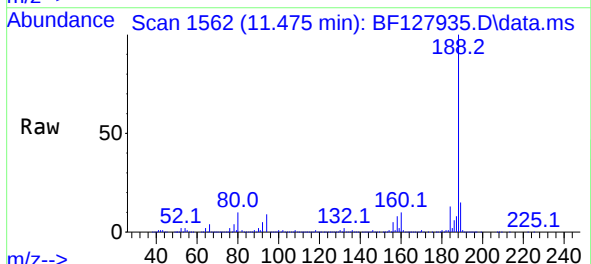
Manual Integrations
APPROVED

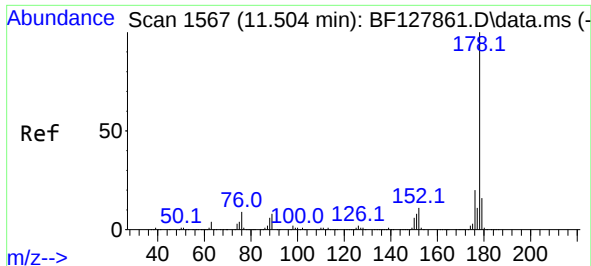
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

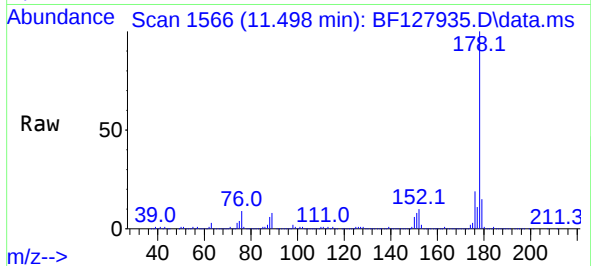
Tgt Ion:188 Resp: 390351
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.0 8.9 13.3





#71
Phenanthrene
Concen: 15.461 ng
RT: 11.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

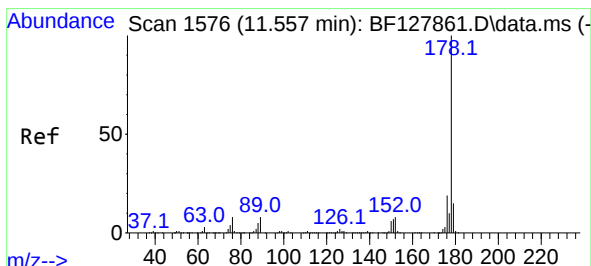
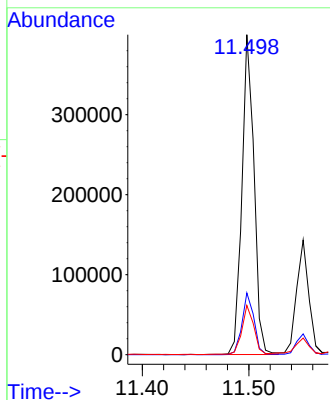
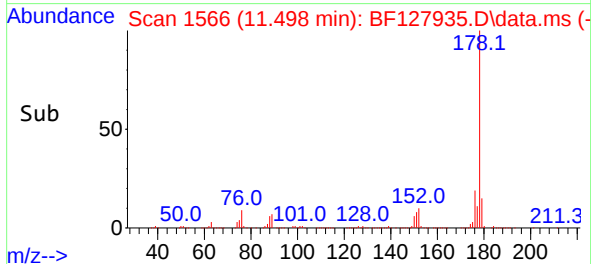
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



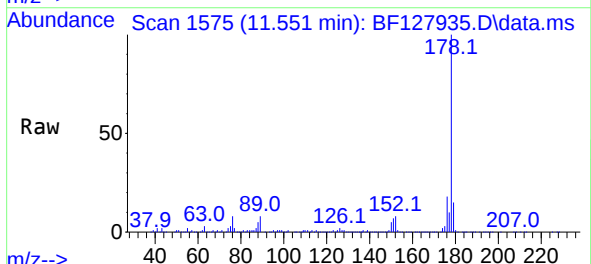
Tgt Ion:178 Resp: 31592
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.6 19.0

Manual Integrations
APPROVED

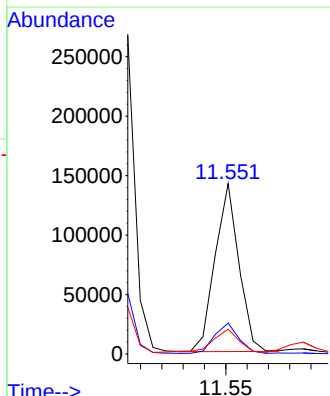
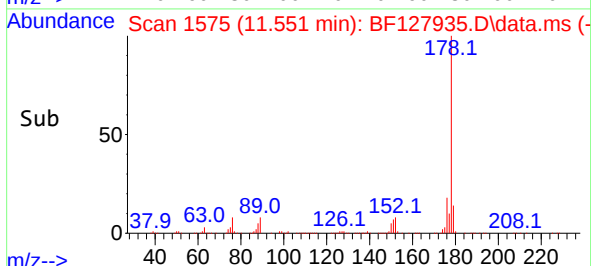
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

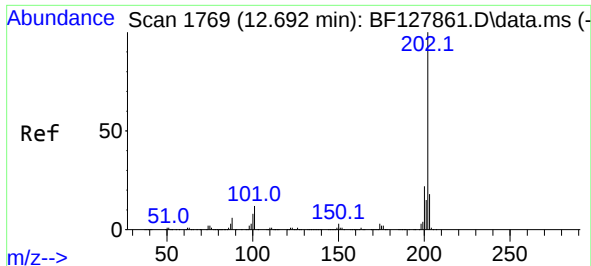


#72
Anthracene
Concen: 5.395 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59



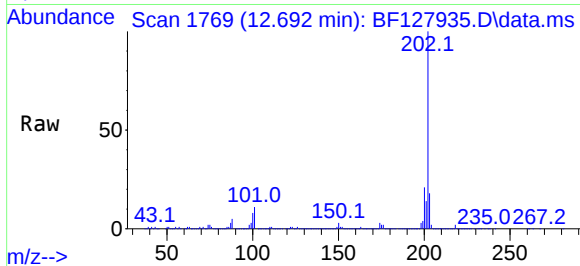
Tgt Ion:178 Resp: 109804
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 14.6 12.4 18.6





#75
Fluoranthene
Concen: 25.390 ng
RT: 12.692 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

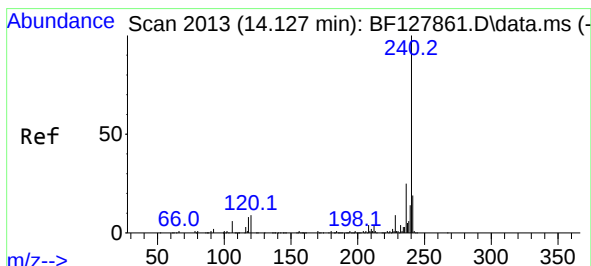
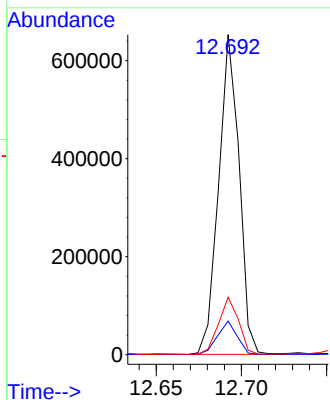
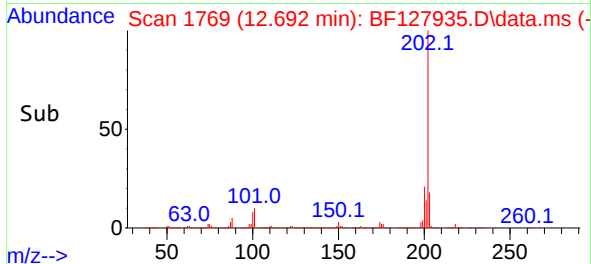
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



Tgt Ion:202 Resp: 546018
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 17.9 0.0 38.1

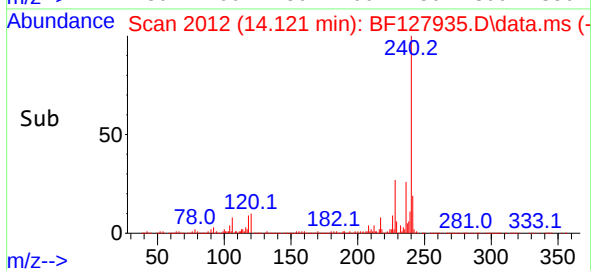
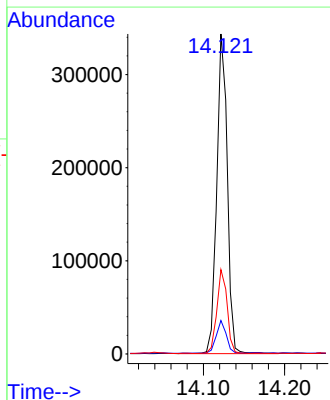
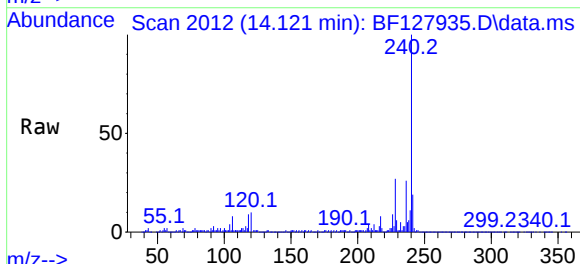
Manual Integrations
APPROVED

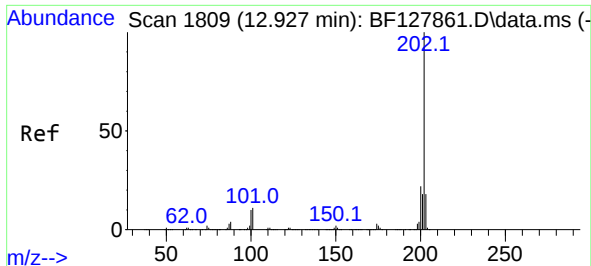
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

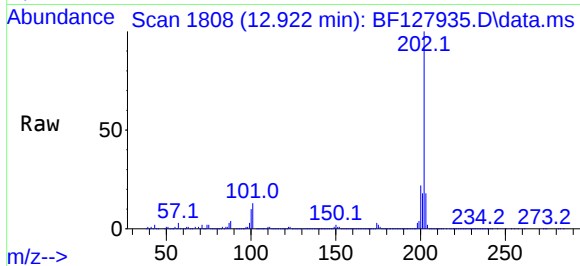
Tgt Ion:240 Resp: 310277
Ion Ratio Lower Upper
240 100
120 10.5 7.0 10.6
236 26.3 20.3 30.5





#78
Pyrene
Concen: 18.957 ng
RT: 12.922 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

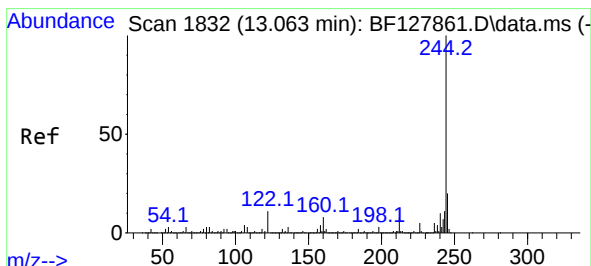
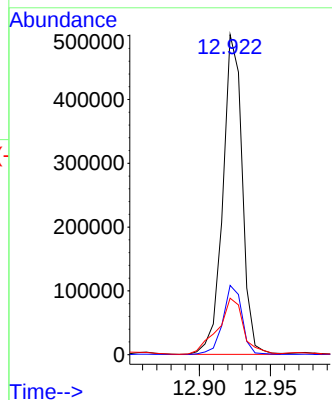
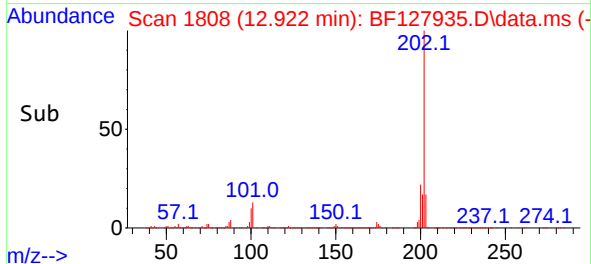
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



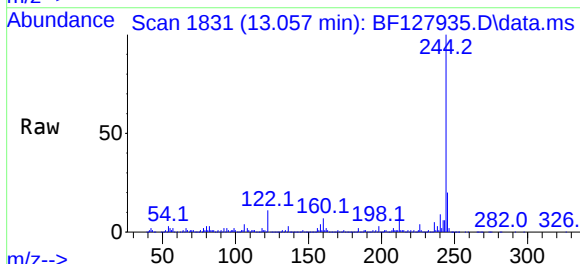
Tgt Ion:202 Resp: 474810
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 17.6 14.0 21.0

Manual Integrations
APPROVED

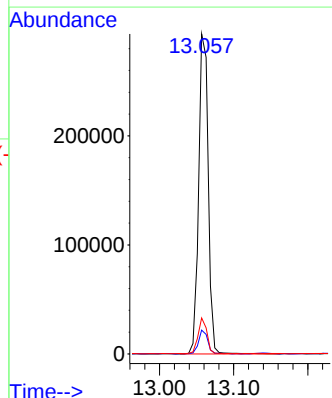
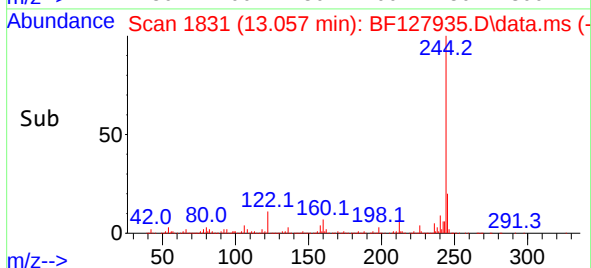
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

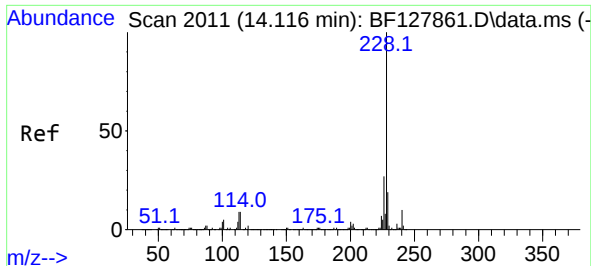


#79
Terphenyl-d14
Concen: 15.445 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59



Tgt Ion:244 Resp: 262081
Ion Ratio Lower Upper
244 100
212 7.4 6.2 9.4
122 11.2 8.6 12.8





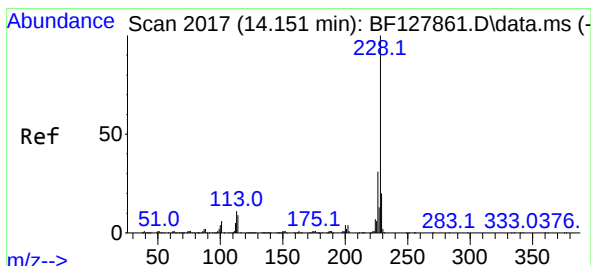
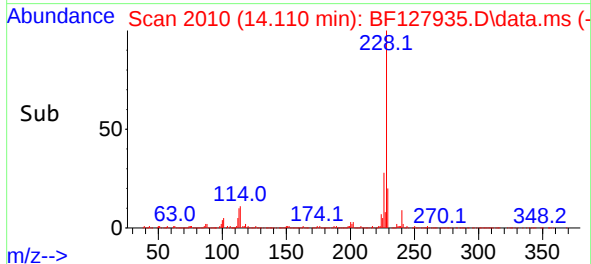
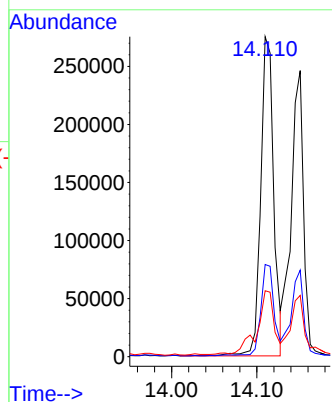
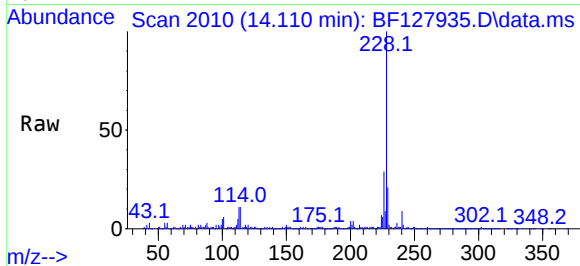
#81
Benzo(a)anthracene
Concen: 14.083 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Instrument :
BNA_F
ClientSampleId :
OR-03-042522

Tgt Ion:228 Resp: 29124
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 20.6 15.4 23.2

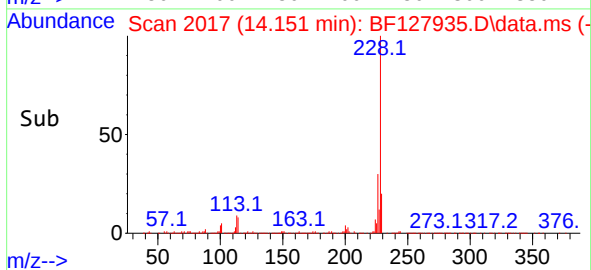
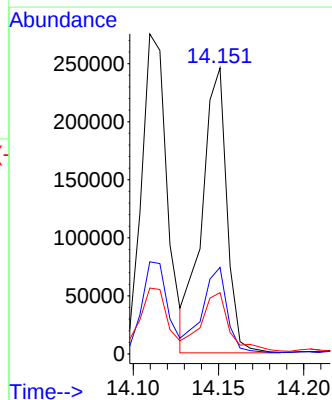
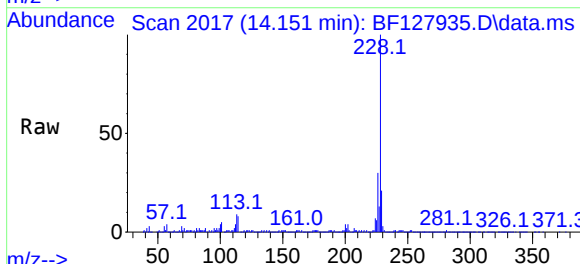
Manual Integrations
APPROVED

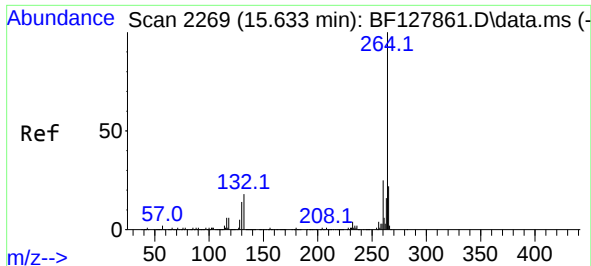
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#83
Chrysene
Concen: 12.661 ng
RT: 14.151 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Tgt Ion:228 Resp: 250059
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2110
Delta R.T. 0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Instrument :

BNA_F

ClientSampleId :

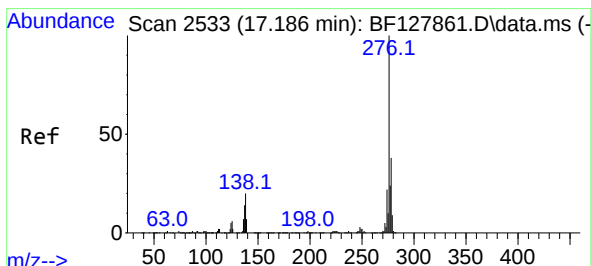
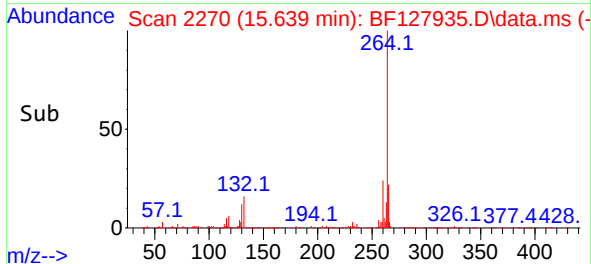
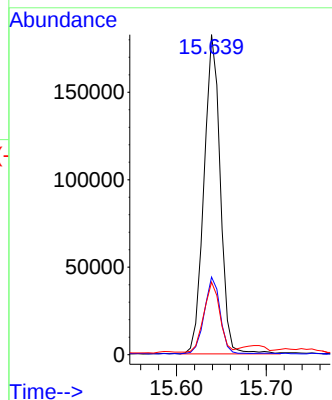
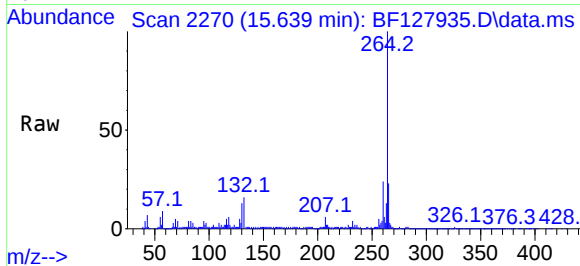
OR-03-042522

Tgt Ion:264 Resp: 230110
Ion Ratio Lower Upper
264 100
260 24.3 20.1 30.1
265 22.7 17.5 26.3

Manual Integrations

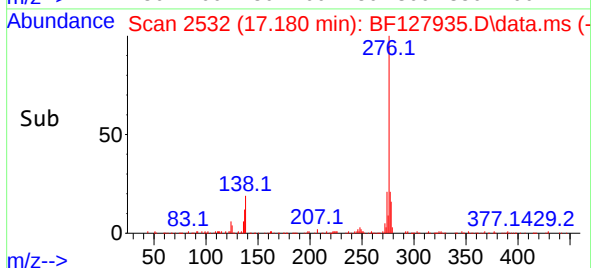
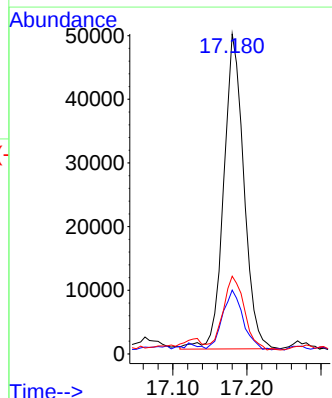
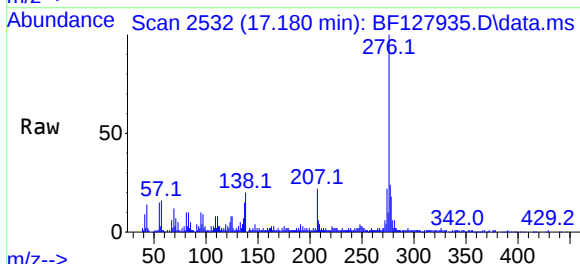
APPROVED

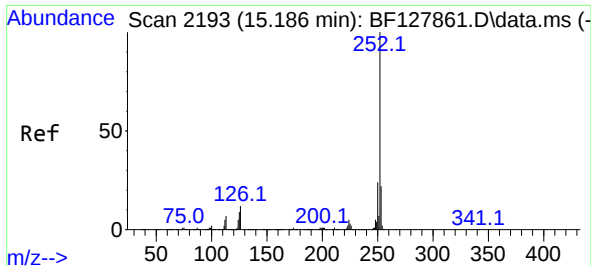
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.076 ng
RT: 17.180 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

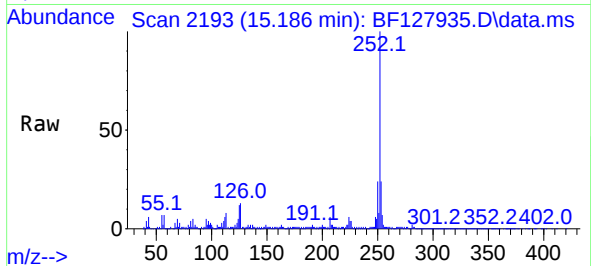
Tgt Ion:276 Resp: 93327
Ion Ratio Lower Upper
276 100
138 18.6 19.0 28.4#
277 24.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 19.250 ng m
RT: 15.186 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

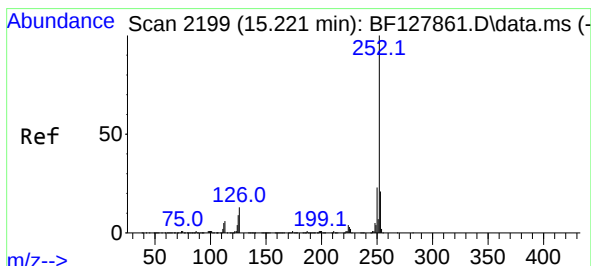
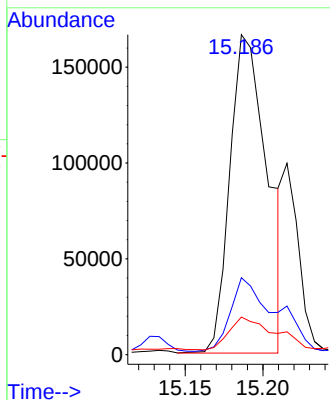
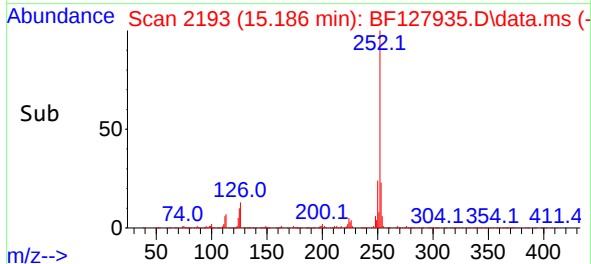
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



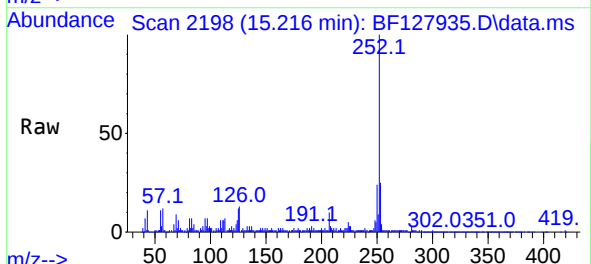
Tgt Ion:252 Resp: 278228
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 11.7 7.4 11.2

Manual Integrations
APPROVED

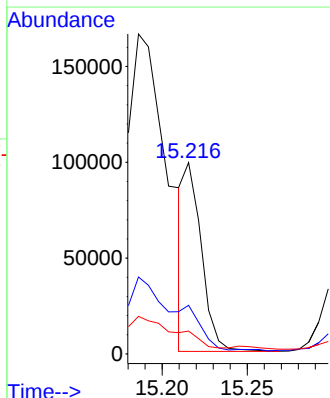
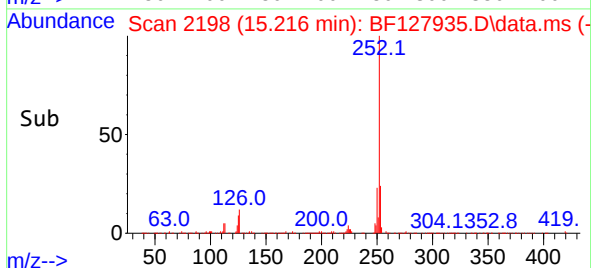
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

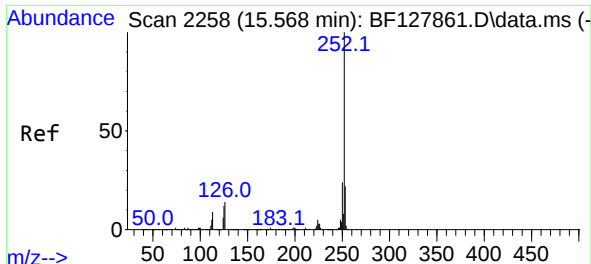


#89
Benzo(k)fluoranthene
Concen: 4.814 ng m
RT: 15.216 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59



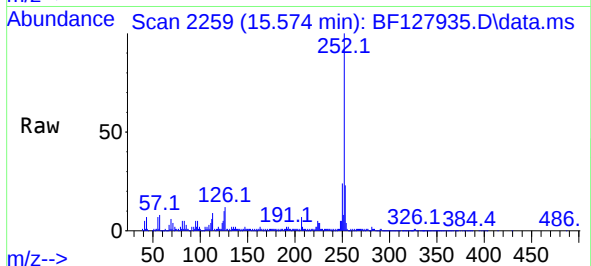
Tgt Ion:252 Resp: 70094
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.4
125 12.0 6.8 10.2





#90
Benzo(a)pyrene
Concen: 14.606 ng
RT: 15.574 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

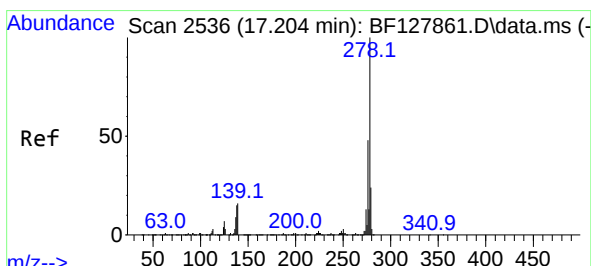
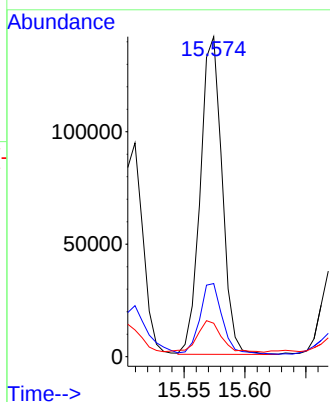
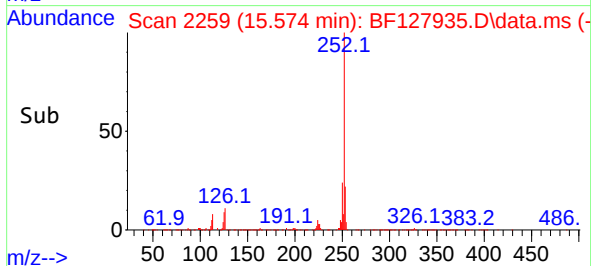
Instrument :
BNA_F
ClientSampleId :
OR-03-042522



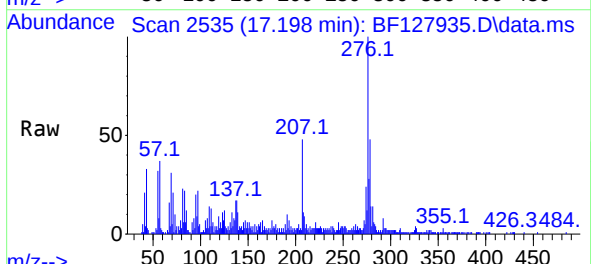
Tgt Ion:252 Resp: 175100
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 10.4 9.2 13.8

Manual Integrations
APPROVED

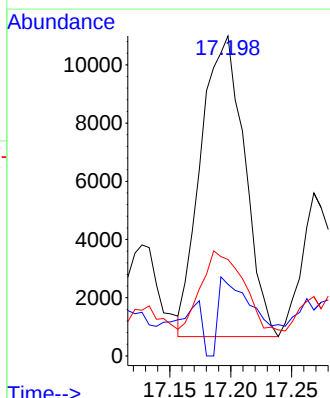
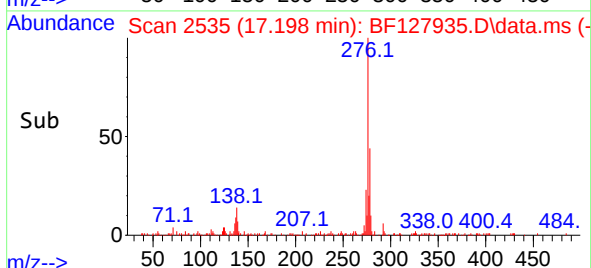
Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

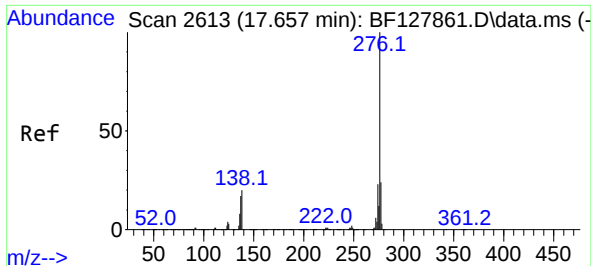


#91
Dibenzo(a,h)anthracene
Concen: 2.091 ng
RT: 17.198 min Scan# 2535
Delta R.T. -0.006 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59



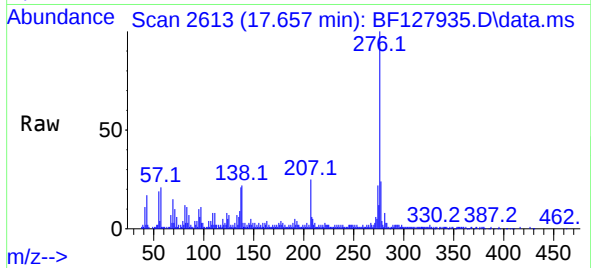
Tgt Ion:278 Resp: 25754
Ion Ratio Lower Upper
278 100
139 22.4 12.6 19.0#
279 30.1 18.9 28.3#





#92
Benzo(g,h,i)perylene
Concen: 6.417 ng
RT: 17.657 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF127935.D
Acq: 27 Apr 2022 01:59

Instrument :
BNA_F
ClientSampleId :
OR-03-042522



Tgt Ion:	276	Resp:	8330
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.8	28.2
138	21.7	16.2	24.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/27/2022
Supervised By :Jagrut Upadhyay 04/27/2022

