

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
 Data File : BF128036.D
 Acq On : 02 May 2022 20:05
 Operator : CG\JU
 Sample : N2604-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-042822

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2022
 Supervised By : Jagrut Upadhyay 05/05/2022

Quant Time: May 03 07:29:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	88423	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	292349	20.000	ng	0.00
39) Acenaphthene-d10	9.974	164	137575	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	246744	20.000	ng	0.00
76) Chrysene-d12	14.133	240	146213	20.000	ng	# 0.02
86) Perylene-d12	15.651	264	106780	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	475550	85.662	ng	0.00
7) Phenol-d6	6.563	99	592042	82.189	ng	0.00
23) Nitrobenzene-d5	7.498	82	379644	61.065	ng	0.00
42) 2,4,6-Tribromophenol	10.769	330	121058	87.411	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	583338	71.732	ng	0.00
79) Terphenyl-d14	13.086	244	591588	73.985	ng	0.03
Target Compounds						Qvalue
49) Acenaphthylene	9.839	152	100652	8.482	ng	100
71) Phenanthrene	11.492	178	186989	14.477	ng	99
72) Anthracene	11.545	178	63398	4.928	ng	98
75) Fluoranthene	12.710	202	429695	31.610	ng	97
78) Pyrene	12.980	202	537645m	45.551	ng	
81) Benzo(a)anthracene	14.121	228	239968	24.623	ng	92
83) Chrysene	14.157	228	224765	24.149	ng	96
84) Bis(2-ethylhexyl)phtha...	14.086	149	12456	2.030	ng	# 86
87) Indeno(1,2,3-cd)pyrene	17.203	276	124589	17.480	ng	# 93
88) Benzo(b)fluoranthene	15.198	252	241572m	36.019	ng	
89) Benzo(k)fluoranthene	15.221	252	78214m	11.575	ng	
90) Benzo(a)pyrene	15.586	252	175007	31.458	ng	97
91) Dibenzo(a,h)anthracene	17.209	278	29752	5.205	ng	# 78
92) Benzo(g,h,i)perylene	17.680	276	123990	20.583	ng	95

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

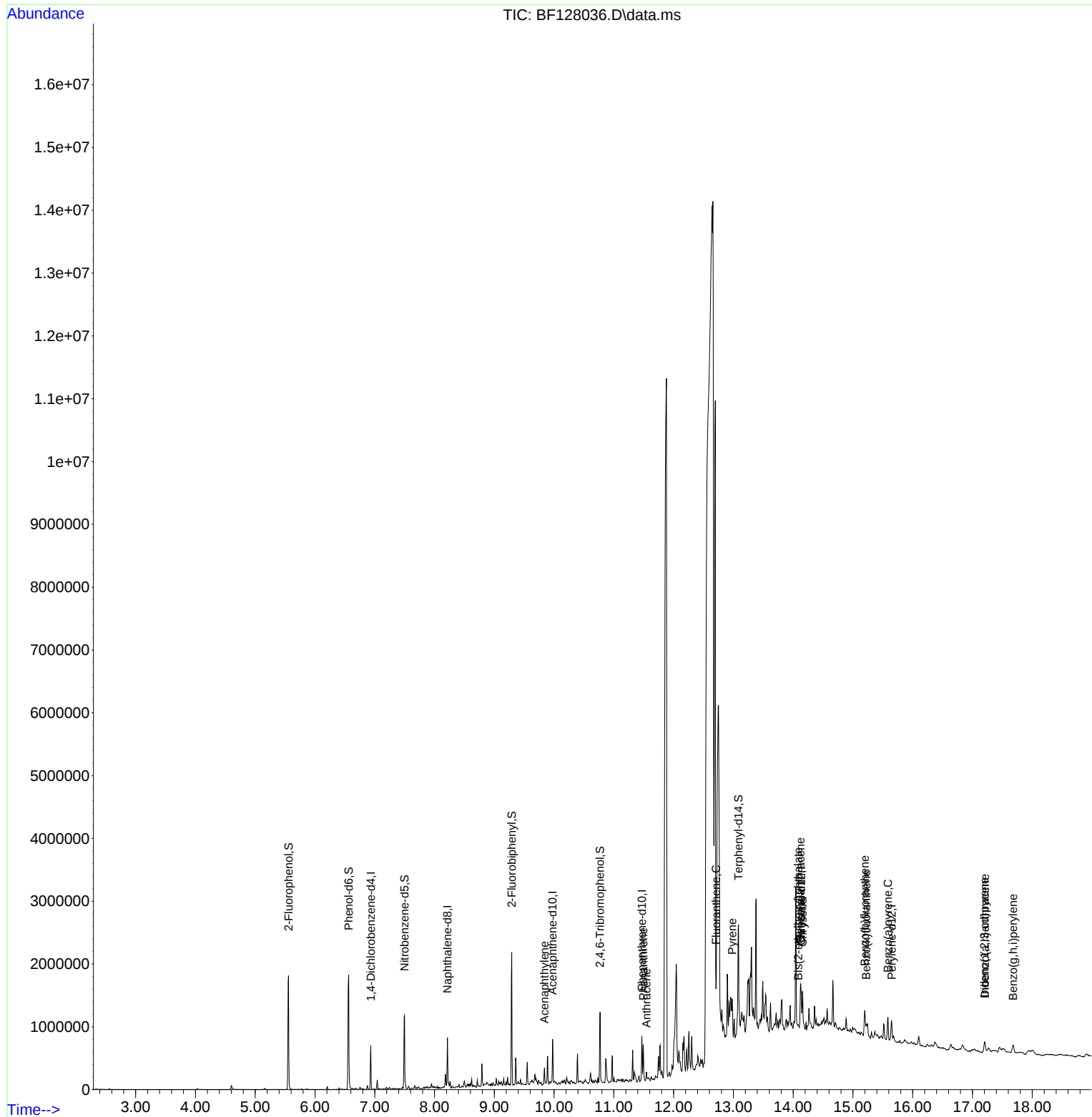
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050222\
Data File : BF128036.D
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ALS Vial : 23 Sample Multiplier: 1

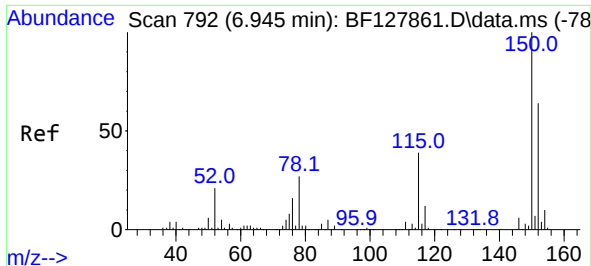
Instrument :
BNA_F
ClientSampleId :
NB-07-042822

Quant Time: May 03 07:29:00 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 792
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

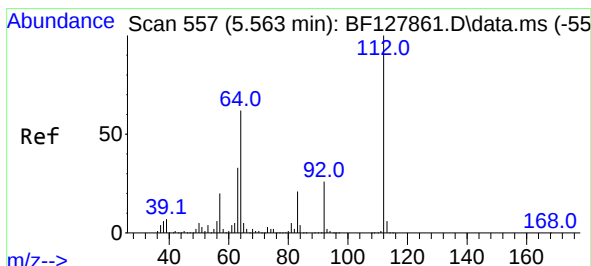
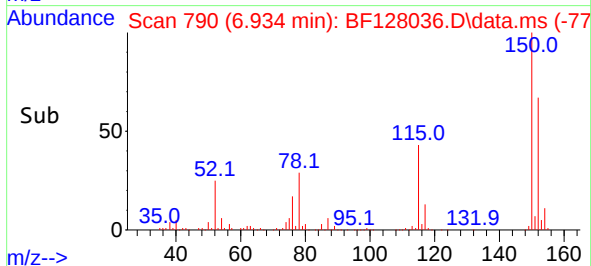
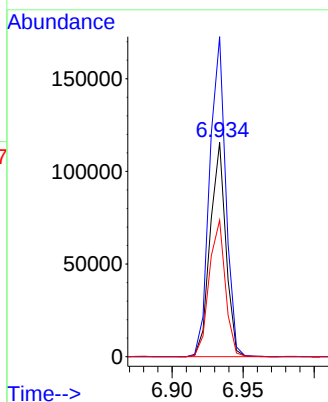
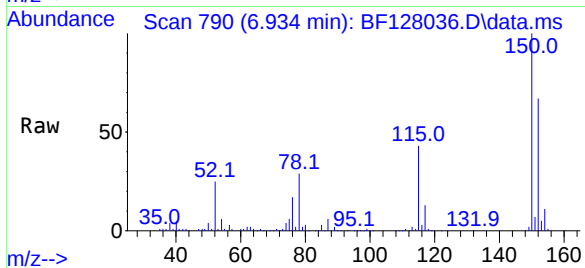
NB-07-042822

Tgt Ion:152 Resp: 8842
Ion Ratio Lower Upper
152 100
150 149.3 125.3 187.9
115 63.7 48.8 73.2

Manual Integrations

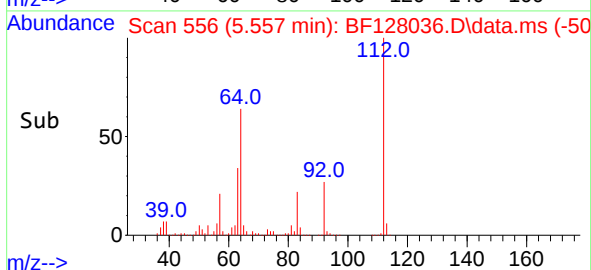
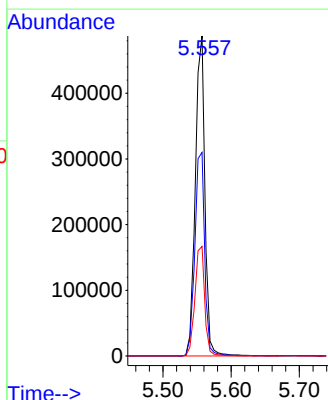
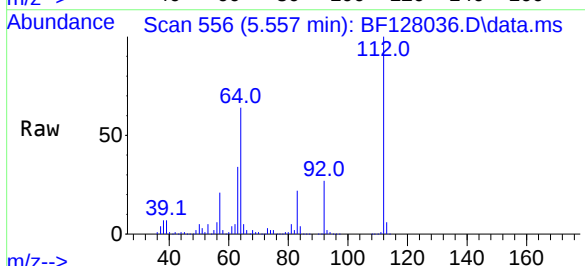
APPROVED

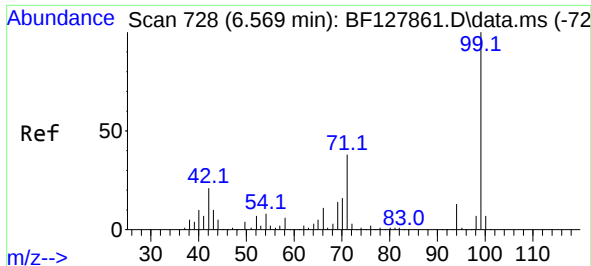
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#5
2-Fluorophenol
Concen: 85.662 ng
RT: 5.557 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

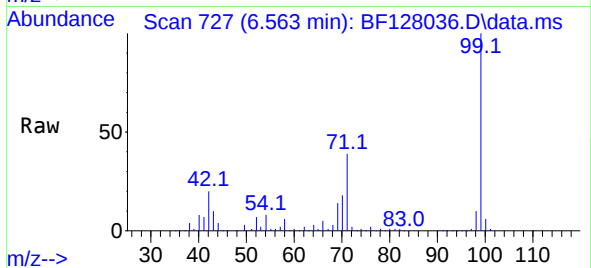
Tgt Ion:112 Resp: 475550
Ion Ratio Lower Upper
112 100
64 63.6 49.5 74.3
63 34.2 26.3 39.5





#7
Phenol-d6
Concen: 82.189 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

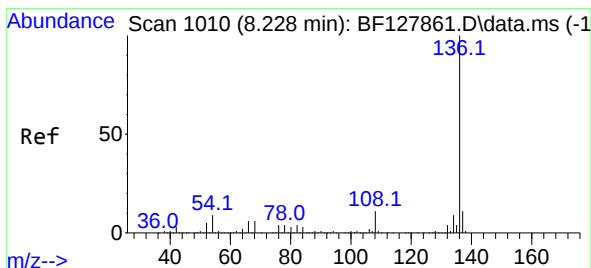
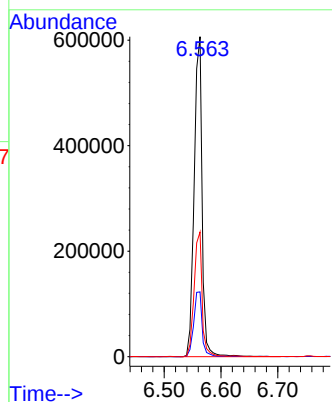
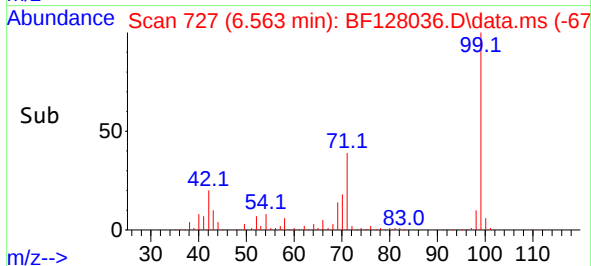
Instrument :
BNA_F
ClientSampleId :
NB-07-042822



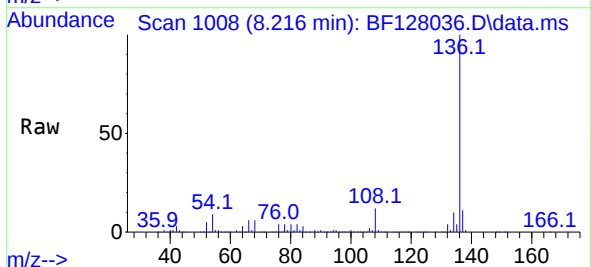
Tgt Ion: 99 Resp: 59204
Ion Ratio Lower Upper
99 100
42 20.3 16.6 24.8
71 38.9 30.0 45.0

Manual Integrations
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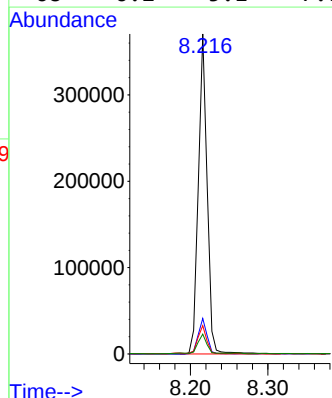
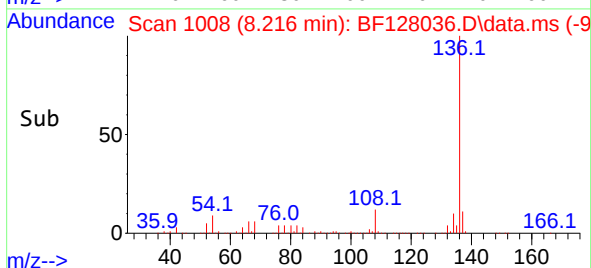
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05



Tgt Ion:136 Resp: 292349
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.8 6.8 10.2
68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 61.065 ng

RT: 7.498 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF128036.D

Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

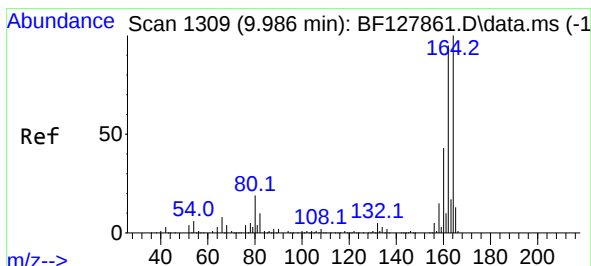
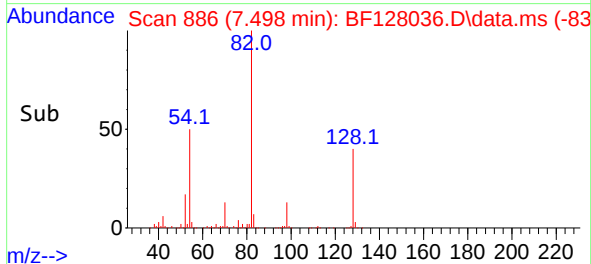
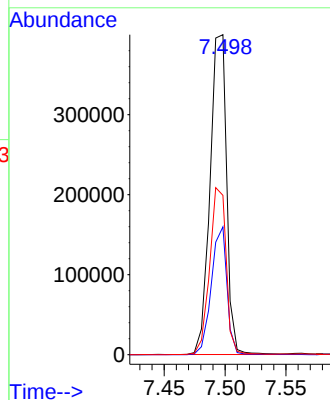
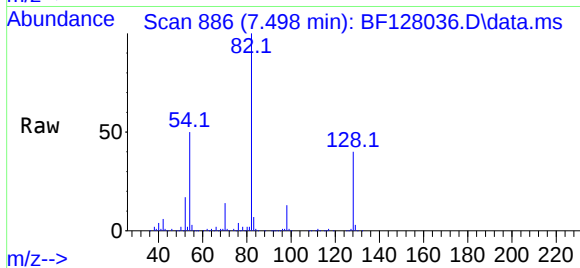
Tgt Ion: 82 Resp: 379644

Ion	Ratio	Lower	Upper
82	100		
128	40.0	30.0	45.0
54	49.8	41.3	61.9

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.974 min Scan# 1307

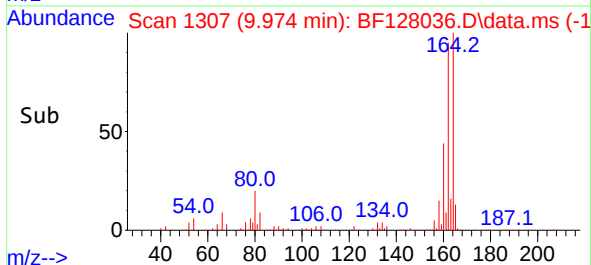
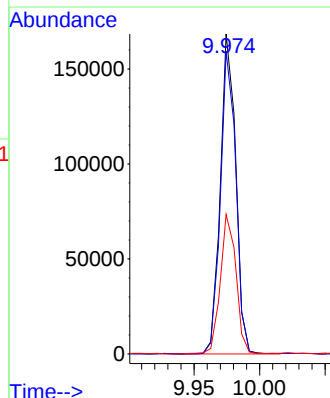
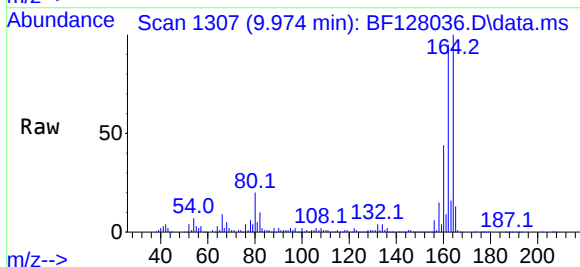
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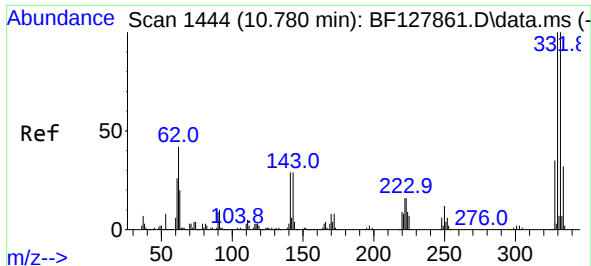
Lab File: BF128036.D

Acq: 02 May 2022 20:05

Tgt Ion:164 Resp: 137575

Ion	Ratio	Lower	Upper
164	100		
162	94.6	76.0	114.0
160	43.6	34.8	52.2





#42
2,4,6-Tribromophenol
Concen: 87.411 ng
RT: 10.769 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

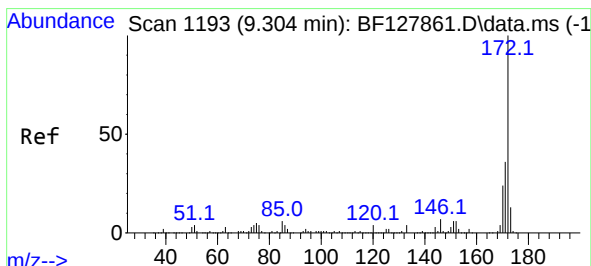
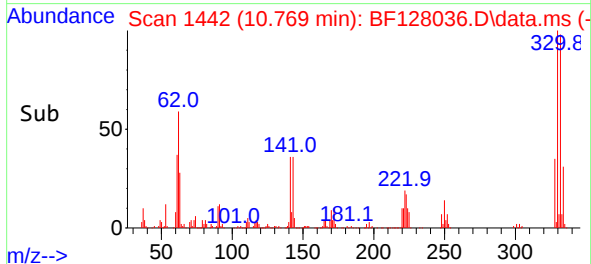
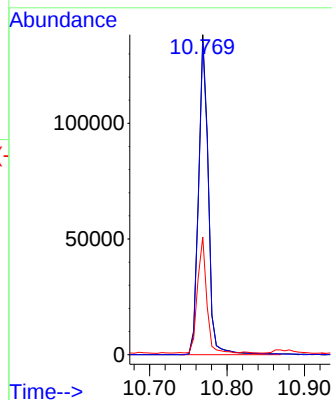
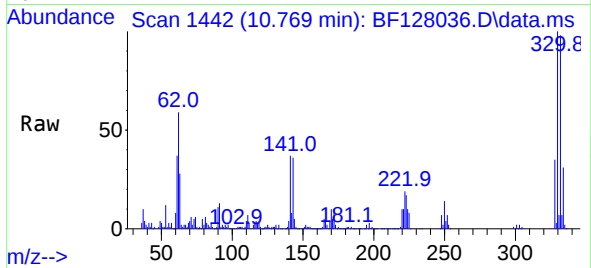
NB-07-042822

Tgt Ion:330 Resp: 121058
Ion Ratio Lower Upper
330 100
332 97.5 79.0 118.4
141 33.7 28.9 43.3

Manual Integrations

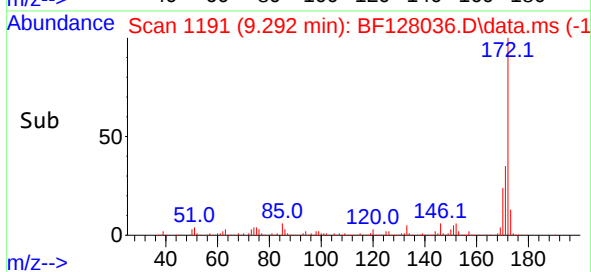
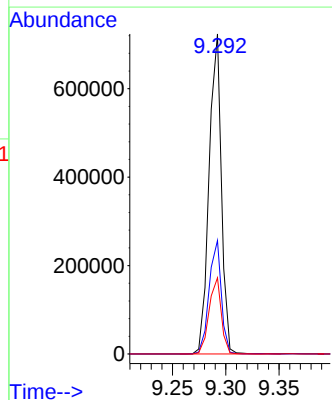
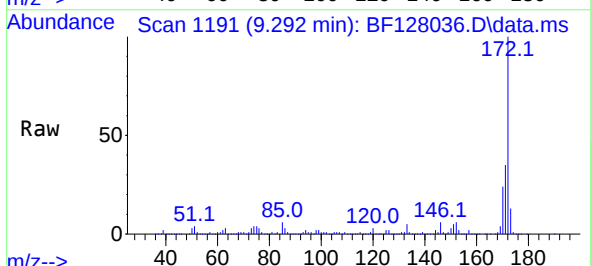
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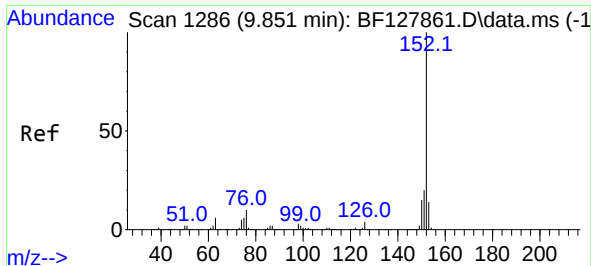
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 71.732 ng
RT: 9.292 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion:172 Resp: 583338
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.8 19.1 28.7





#49

Acenaphthylene

Concen: 8.482 ng

RT: 9.839 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128036.D

Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

NB-07-042822

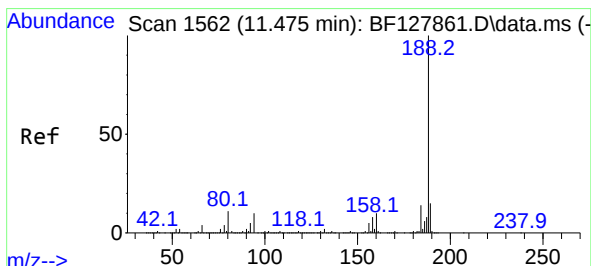
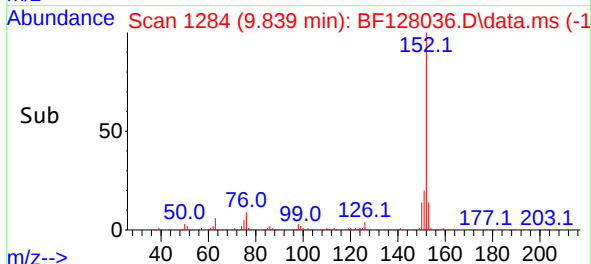
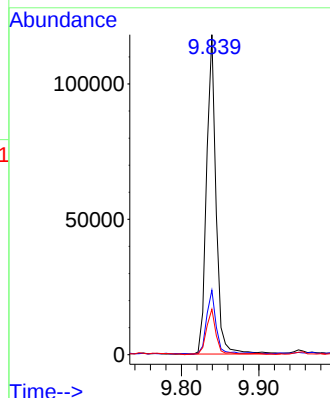
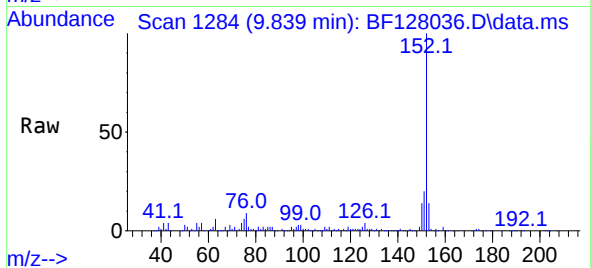
Tgt Ion:	152	Resp:	100652
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.2
153	14.2	11.2	16.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

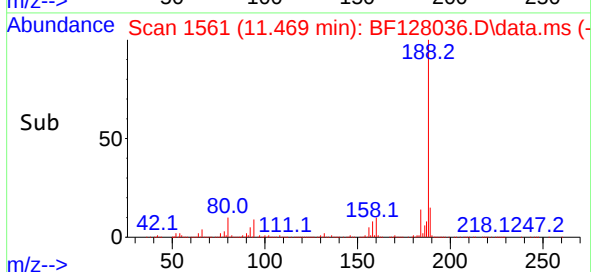
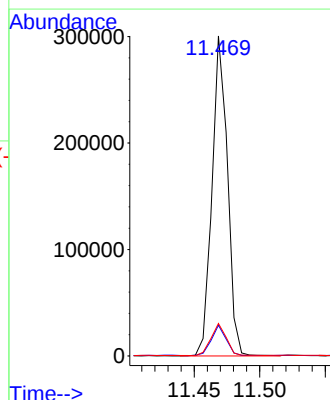
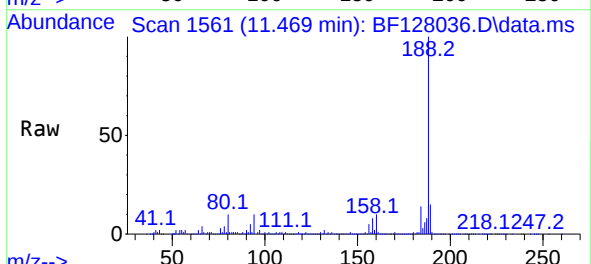
RT: 11.469 min Scan# 1561

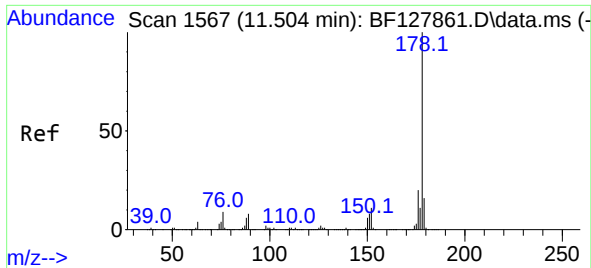
Delta R.T. -0.000 min

Lab File: BF128036.D

Acq: 02 May 2022 20:05

Tgt Ion:	188	Resp:	246744
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.0	12.0
80	10.1	8.9	13.3





#71
Phenanthrene
Concen: 14.477 ng
RT: 11.492 min Scan# 11492
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

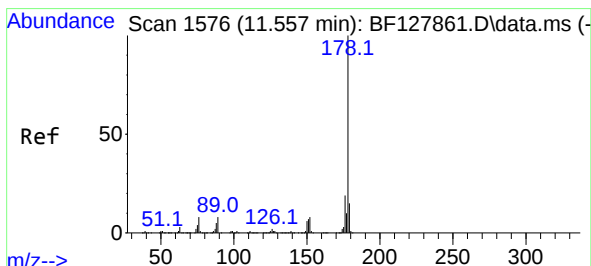
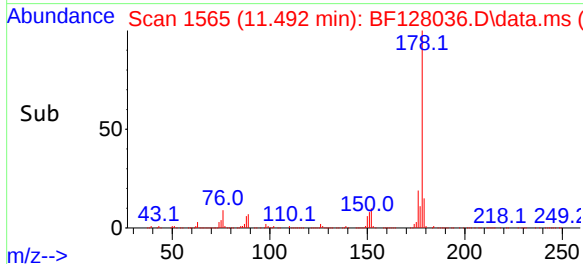
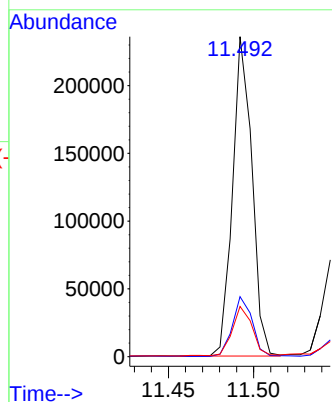
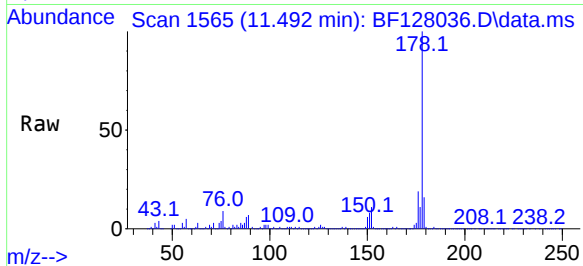
NB-07-042822

Tgt Ion:178 Resp: 186989
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.7 12.6 19.0

Manual Integrations

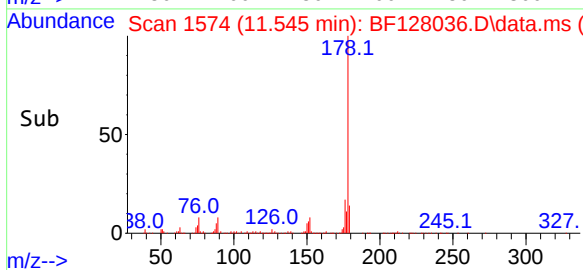
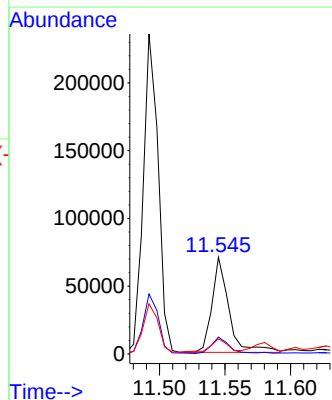
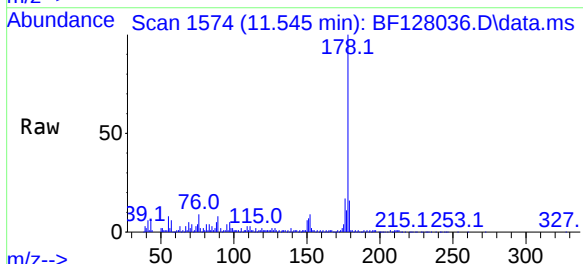
APPROVED

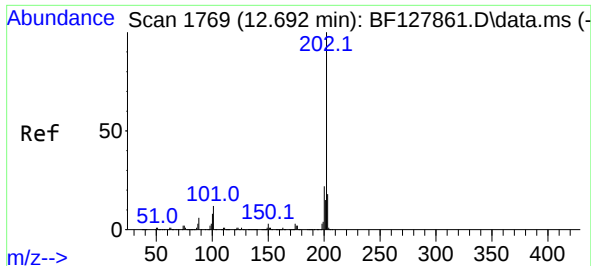
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#72
Anthracene
Concen: 4.928 ng
RT: 11.545 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

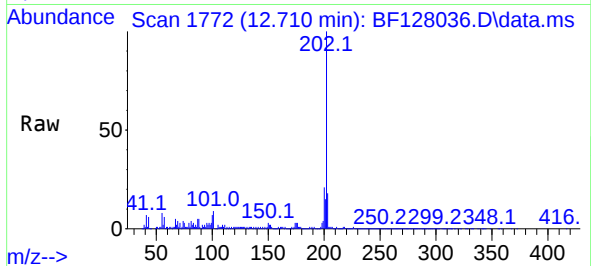
Tgt Ion:178 Resp: 63398
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 15.7 12.4 18.6





#75
Fluoranthene
Concen: 31.610 ng
RT: 12.710 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

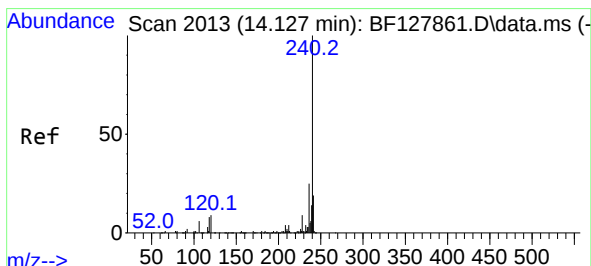
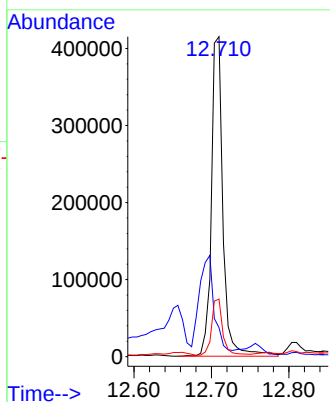
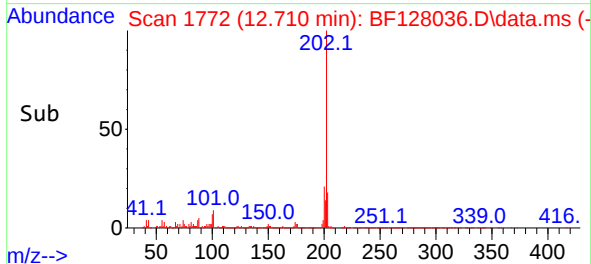
Instrument :
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NB-07-042822



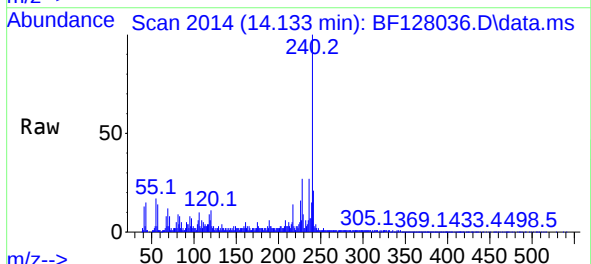
Tgt Ion:202 Resp: 42969
Ion Ratio Lower Upper
202 100
101 9.1 0.0 31.6
203 18.0 0.0 38.1

Manual Integrations
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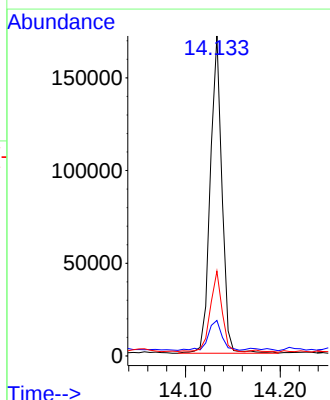
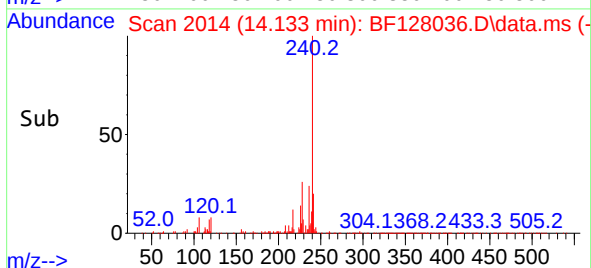
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

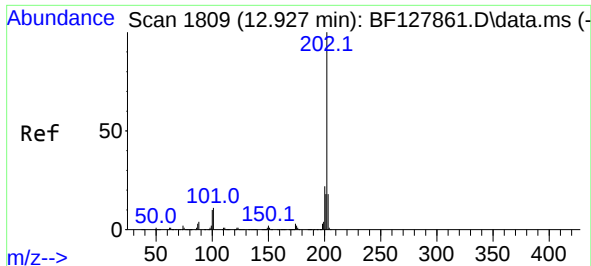


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. 0.018 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05



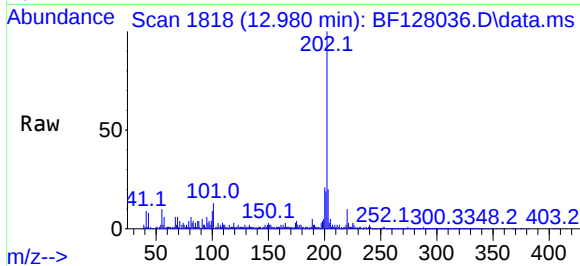
Tgt Ion:240 Resp: 146213
Ion Ratio Lower Upper
240 100
120 11.1 7.0 10.6#
236 26.5 20.3 30.5





#78
Pyrene
Concen: 45.551 ng m
RT: 12.980 min Scan# 1809
Delta R.T. 0.065 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

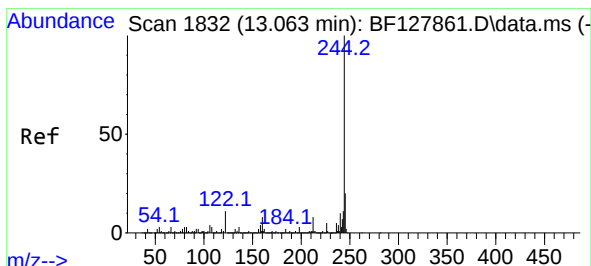
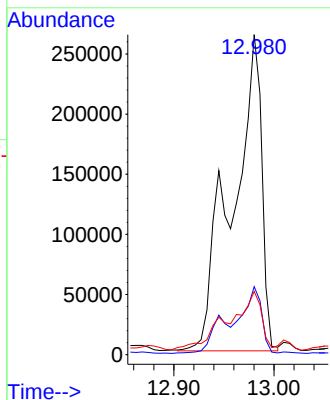
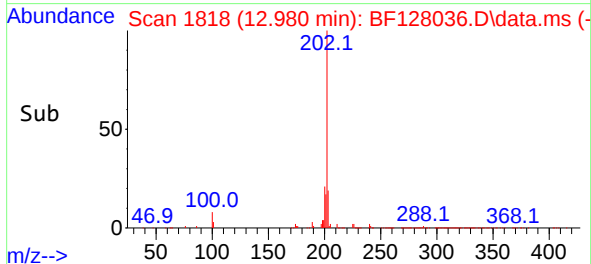
Instrument :
BNA_F
ClientSampleId :
NB-07-042822



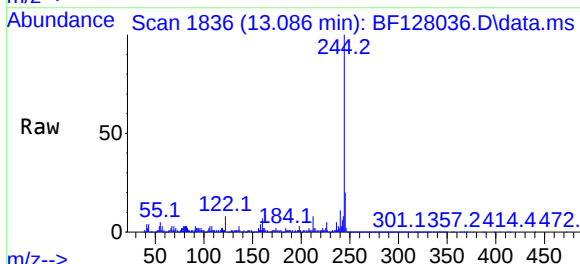
Tgt Ion:202 Resp: 53764
Ion Ratio Lower Upper
202 100
200 21.3 17.4 26.2
203 19.8 14.0 21.0

Manual Integrations
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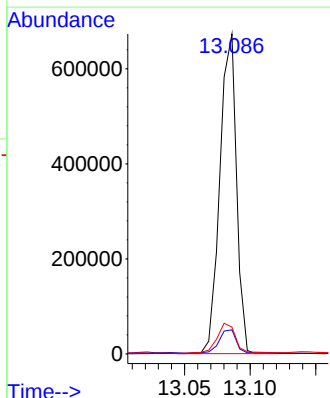
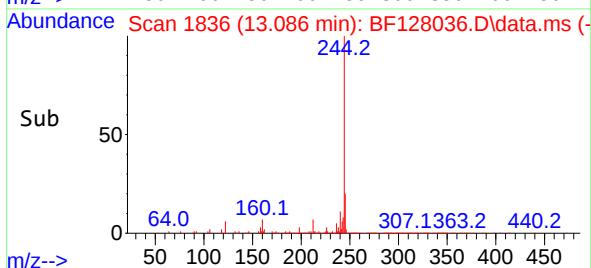
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022

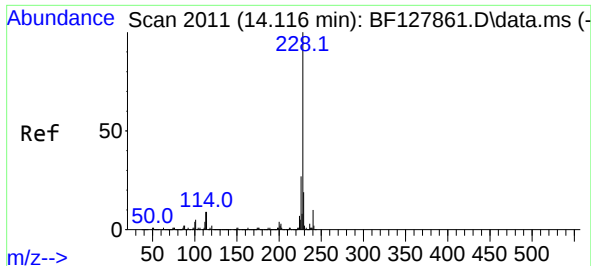


#79
Terphenyl-d14
Concen: 73.985 ng
RT: 13.086 min Scan# 1836
Delta R.T. 0.029 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05



Tgt Ion:244 Resp: 591588
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.4
122 8.4 8.6 12.8





#81
Benzo(a)anthracene
Concen: 24.623 ng
RT: 14.121 min Scan# 2011
Delta R.T. 0.018 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

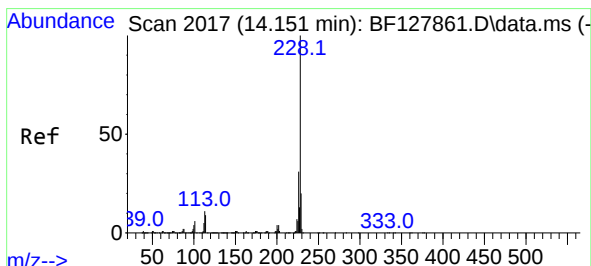
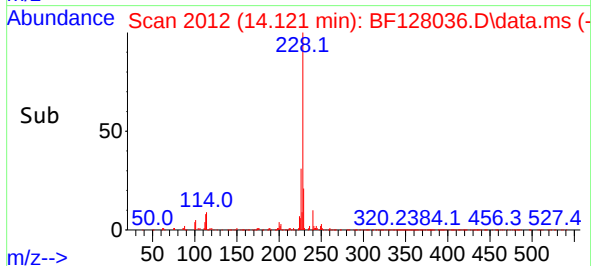
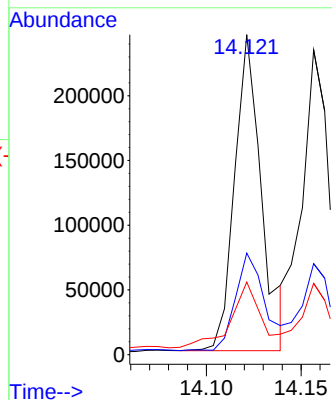
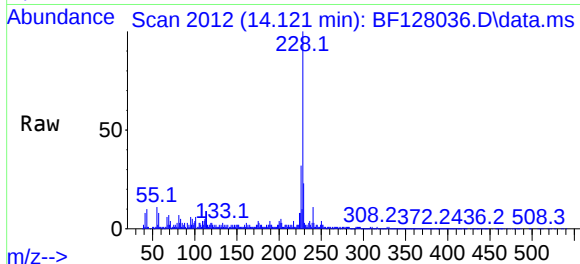
NB-07-042822

Tgt Ion:228 Resp: 239968
Ion Ratio Lower Upper
228 100
226 31.8 21.7 32.5
229 22.7 15.4 23.2

Manual Integrations

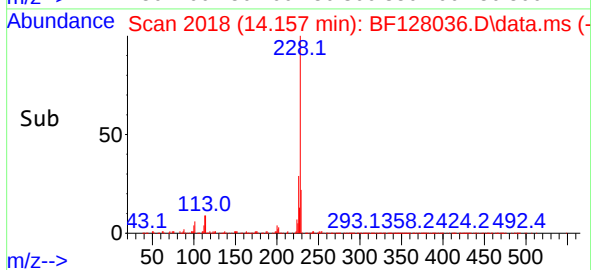
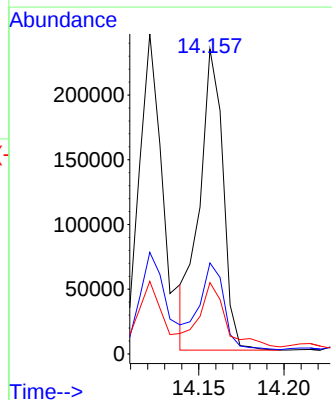
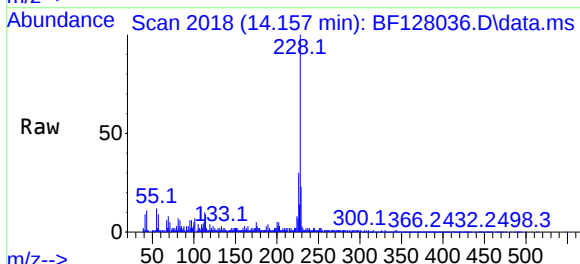
APPROVED

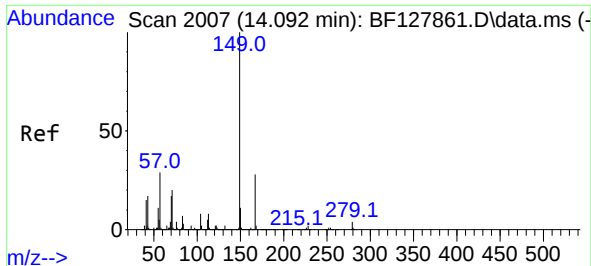
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#83
Chrysene
Concen: 24.149 ng
RT: 14.157 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion:228 Resp: 224765
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.4 15.8 23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.030 ng
RT: 14.086 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

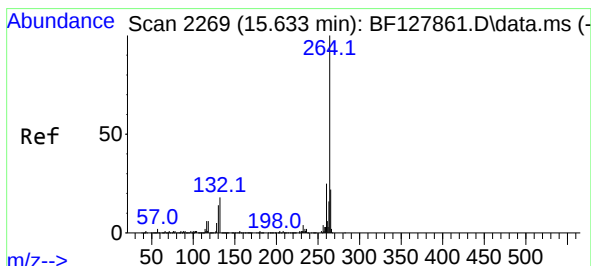
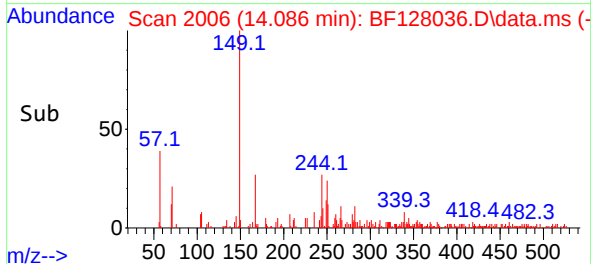
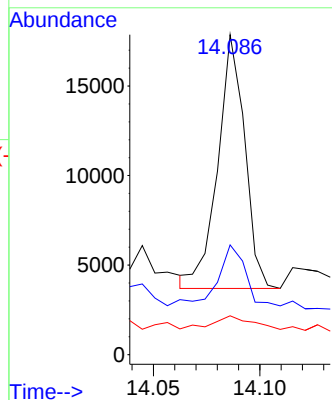
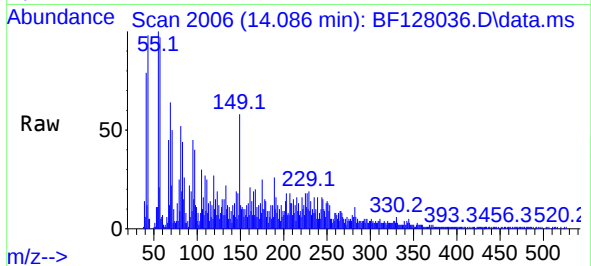
NB-07-042822

Tgt Ion:149 Resp: 12450
Ion Ratio Lower Upper
149 100
167 34.3 22.0 33.0
279 12.2 3.4 5.0

Manual Integrations

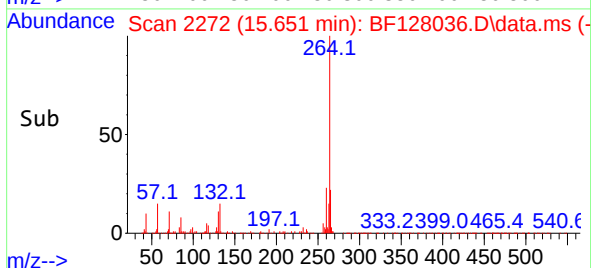
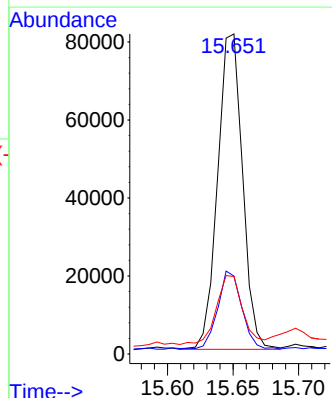
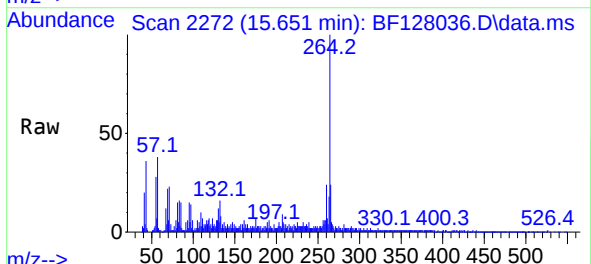
APPROVED

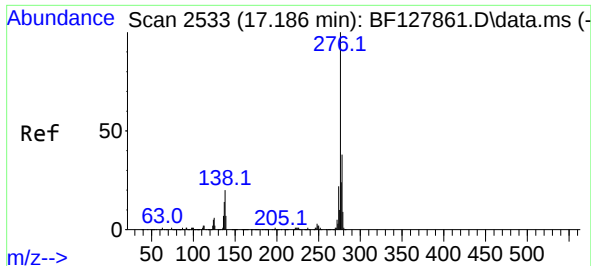
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 2272
Delta R.T. 0.029 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion:264 Resp: 106780
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 24.2 17.5 26.3





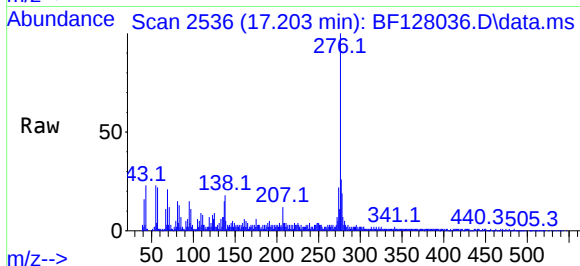
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.480 ng
RT: 17.203 min Scan# 21
Delta R.T. 0.035 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

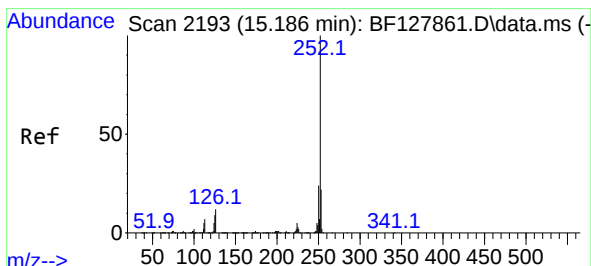
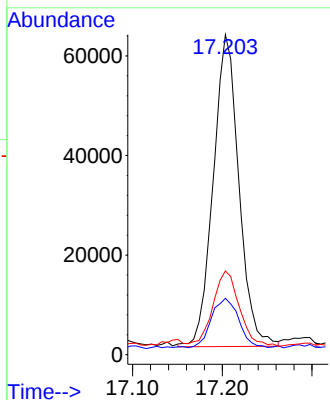
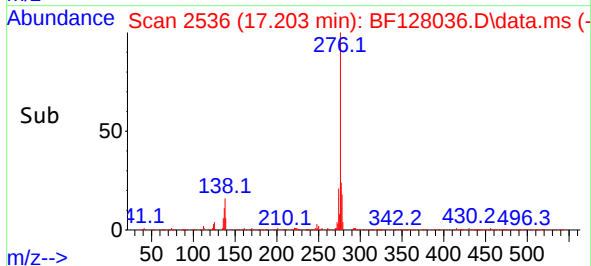
NB-07-042822



Tgt Ion:276 Resp: 124589
Ion Ratio Lower Upper
276 100
138 16.9 19.0 28.4
277 24.8 20.1 30.1

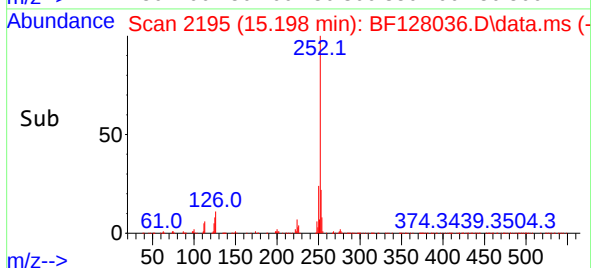
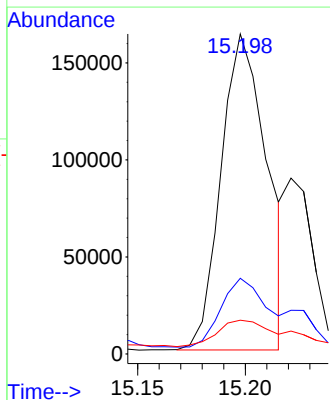
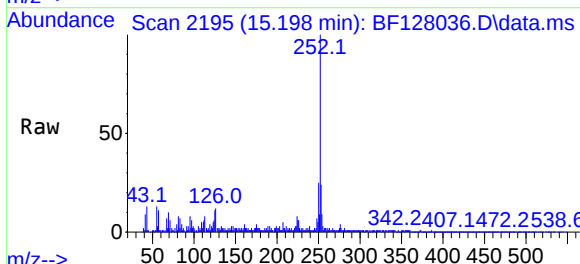
Manual Integrations
APPROVED

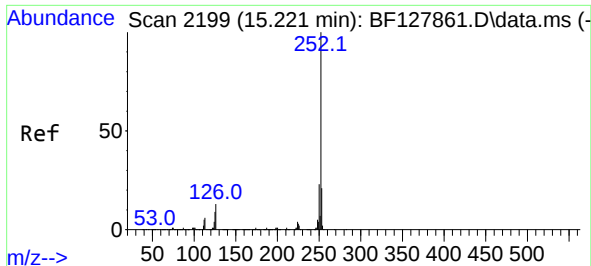
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#88
Benzo(b)fluoranthene
Concen: 36.019 ng m
RT: 15.198 min Scan# 2195
Delta R.T. 0.023 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion:252 Resp: 241572
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 10.5 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 11.575 ng m
RT: 15.221 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

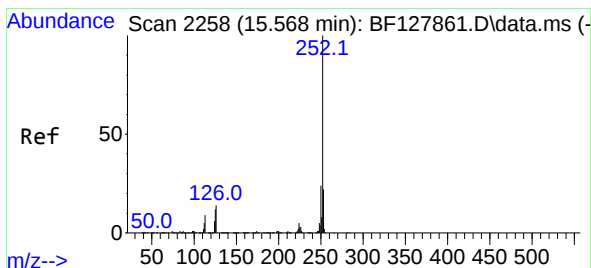
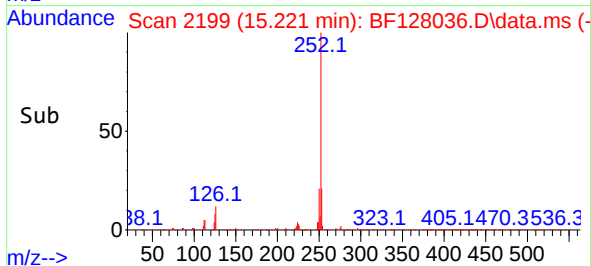
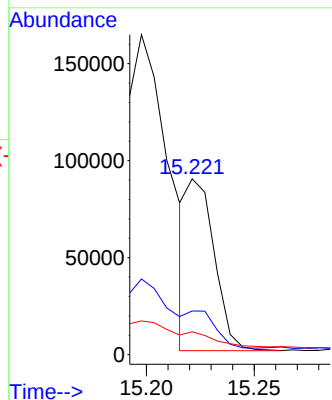
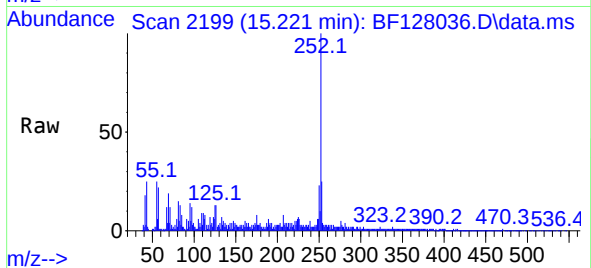
NB-07-042822

Tgt Ion:252 Resp: 78214
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.4
125 13.0 6.8 10.2

Manual Integrations

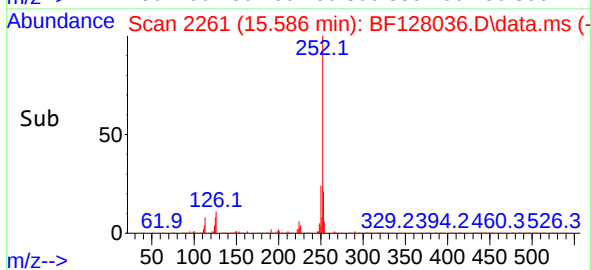
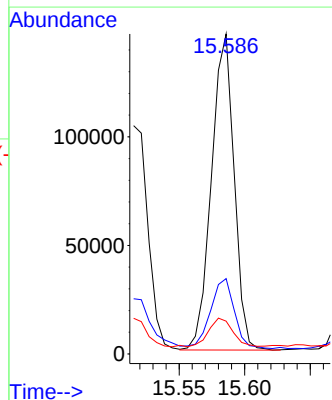
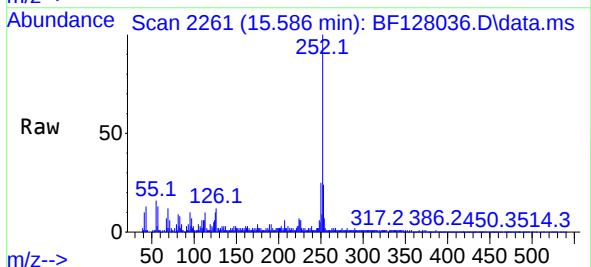
APPROVED

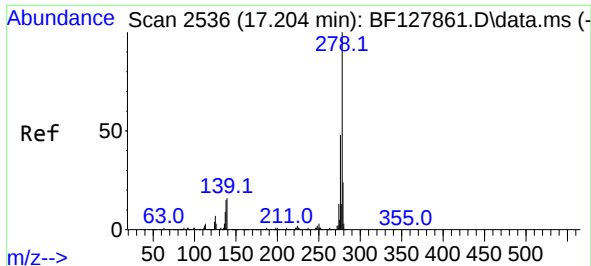
Reviewed By :Christian Giraldo 05/03/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#90
Benzo(a)pyrene
Concen: 31.458 ng
RT: 15.586 min Scan# 2261
Delta R.T. 0.029 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion:252 Resp: 175007
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.2 9.2 13.8





#91
Dibenzo(a,h)anthracene
Concen: 5.205 ng
RT: 17.209 min Scan# 2536
Delta R.T. 0.023 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Instrument :

BNA_F

ClientSampleId :

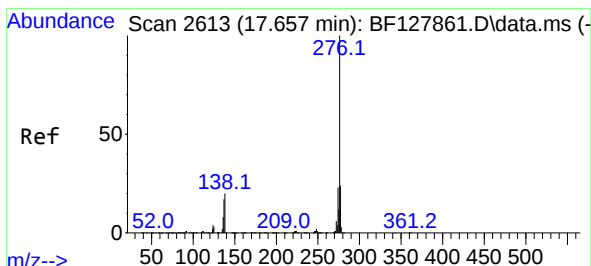
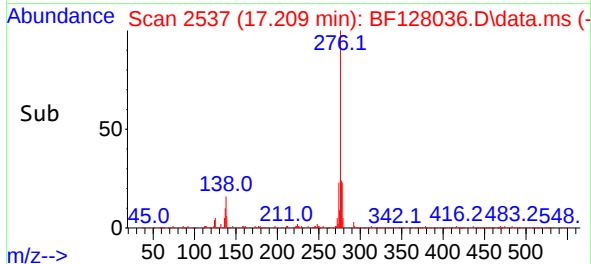
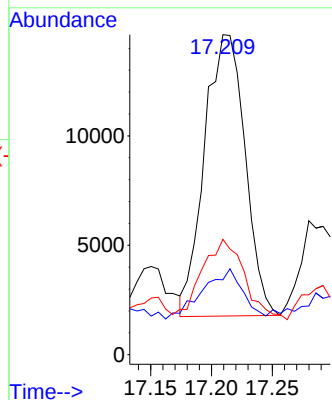
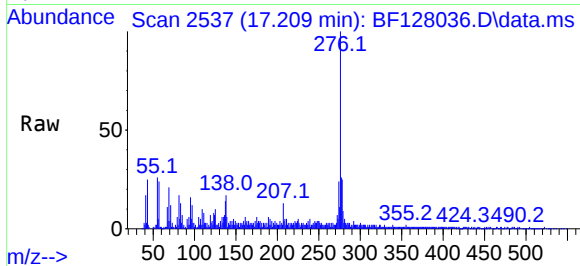
NB-07-042822

Tgt Ion: 278 Resp: 2975
Ion Ratio Lower Upper
278 100
139 23.4 12.6 19.0
279 36.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 05/03/2022
Supervised By : Jagrut Upadhyay 05/05/2022



#92
Benzo(g,h,i)perylene
Concen: 20.583 ng
RT: 17.680 min Scan# 2617
Delta R.T. 0.041 min
Lab File: BF128036.D
Acq: 02 May 2022 20:05

Tgt Ion: 276 Resp: 123990
Ion Ratio Lower Upper
276 100
277 26.3 18.8 28.2
138 18.1 16.2 24.2

