

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129620.D
 Acq On : 06 Aug 2022 02:19
 Operator : CG\JU
 Sample : N4023-04DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL

Quant Time: Aug 08 02:17:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/08/2022
 Supervised By : Jagrut Upadhyay 08/08/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	160575	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	563053	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	246790	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	400725	20.000	ng	0.00
76) Chrysene-d12	14.021	240	342410	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	284266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	490116	49.721	ng	0.00
7) Phenol-d6	6.498	99	568988	45.923	ng	0.00
23) Nitrobenzene-d5	7.410	82	330432	32.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	109041	45.956	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	565542	35.450	ng	0.00
79) Terphenyl-d14	12.957	244	556389	30.655	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	460678	21.060	ng	98
72) Anthracene	11.451	178	109274	5.083	ng	99
73) Carbazole	11.610	167	63540	3.140	ng	100
75) Fluoranthene	12.592	202	739176	33.351	ng	99
78) Pyrene	12.821	202	664184	23.196	ng	98
81) Benzo(a)anthracene	14.015	228	342476	14.642	ng	96
83) Chrysene	14.051	228	326627	14.817	ng	98
87) Indeno(1,2,3-cd)pyrene	16.980	276	135997	7.104	ng	96
88) Benzo(b)fluoranthene	15.068	252	367200m	19.474	ng	
89) Benzo(k)fluoranthene	15.092	252	111048m	6.010	ng	
90) Benzo(a)pyrene	15.439	252	240741	15.727	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	33936	2.178	ng	# 88
92) Benzo(g,h,i)perylene	17.433	276	125816	7.903	ng	98

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

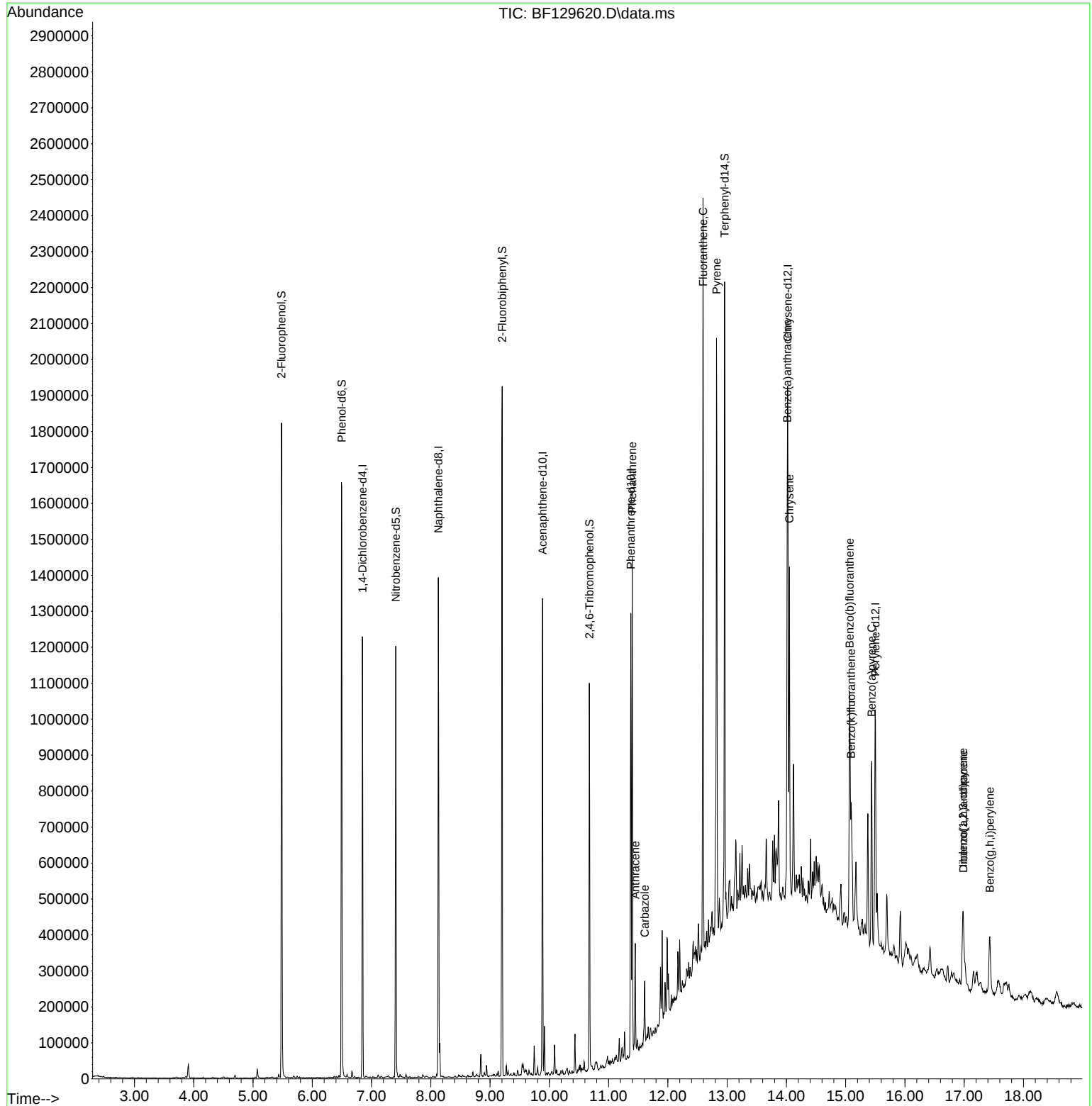
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
Data File : BF129620.D
Acq On : 06 Aug 2022 02:19
Operator : CG\JU
Sample : N4023-04DL 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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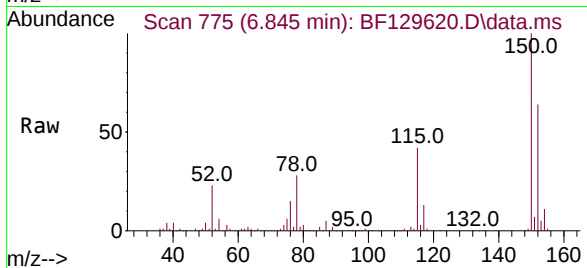
Quant Time: Aug 08 02:17:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 16:27:34 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

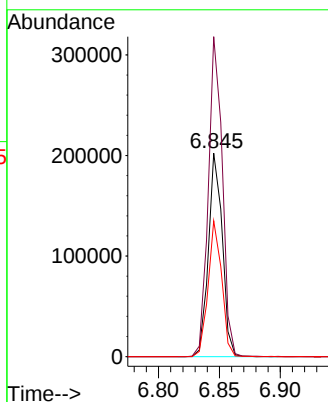
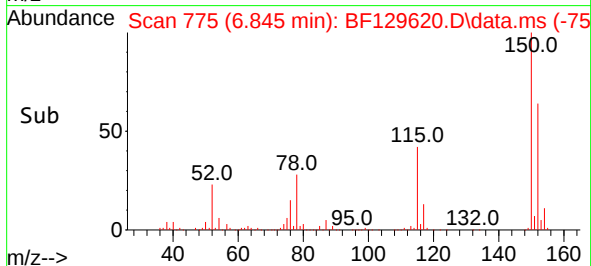
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL



Tgt Ion:152 Resp: 160579
Ion Ratio Lower Upper
152 100
150 157.3 123.7 185.5
115 66.7 49.9 74.9

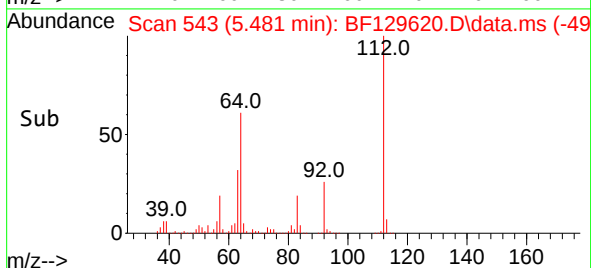
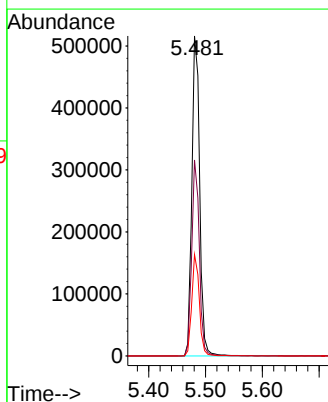
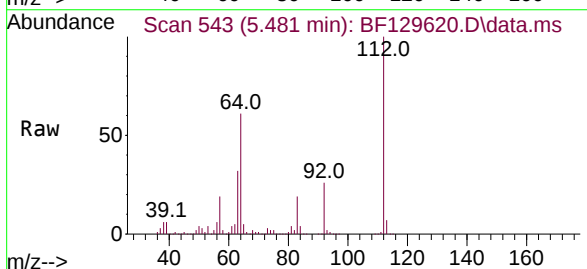
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#5
2-Fluorophenol
Concen: 49.721 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

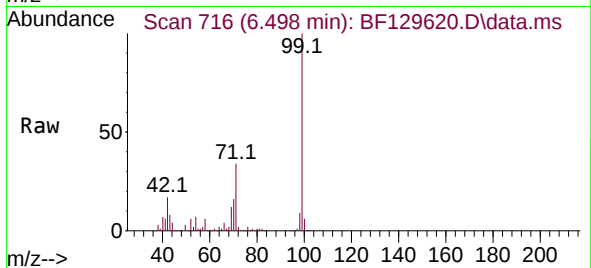
Tgt Ion:112 Resp: 490116
Ion Ratio Lower Upper
112 100
64 61.2 53.3 79.9
63 31.7 28.0 42.0





#7
Phenol-d6
Concen: 45.923 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

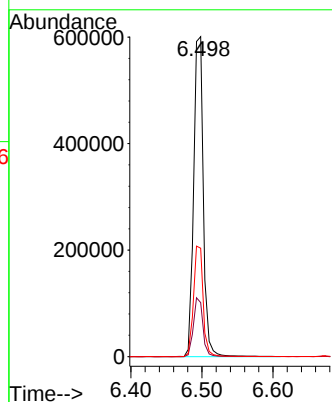
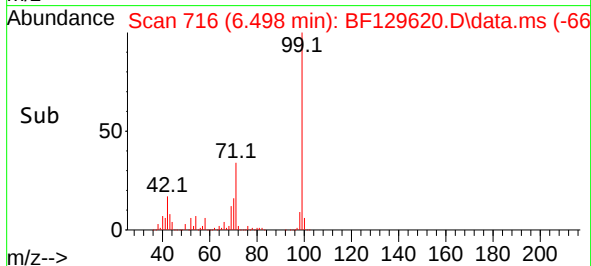
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL



Tgt Ion: 99 Resp: 568988
Ion Ratio Lower Upper
99 100
42 16.9 17.3 25.9
71 33.9 28.9 43.3

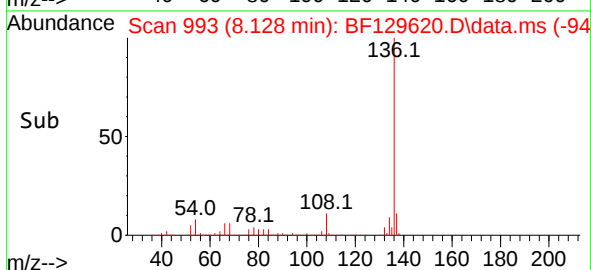
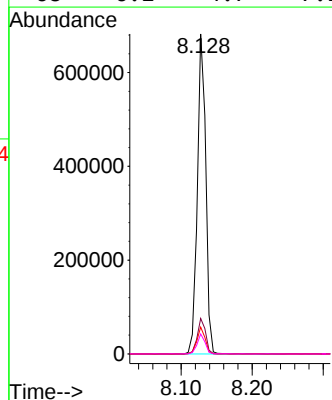
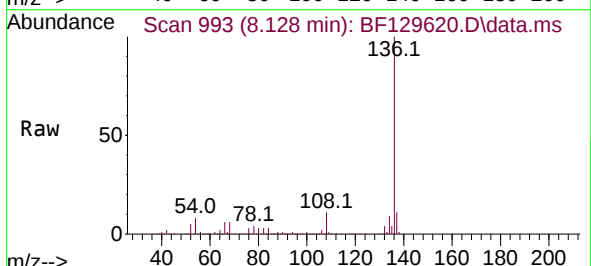
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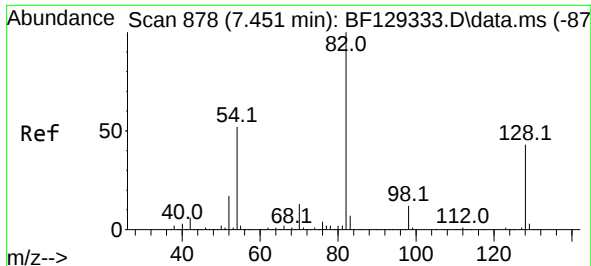
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:136 Resp: 563053
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 7.5 11.3
68 6.2 4.7 7.1





#23

Nitrobenzene-d5

Concen: 32.036 ng

RT: 7.410 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Instrument :

BNA_F

ClientSampleId :

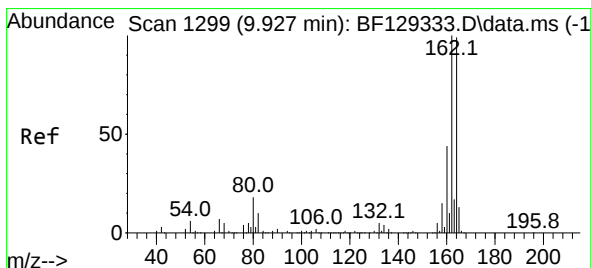
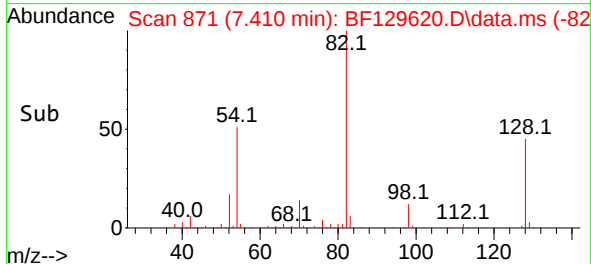
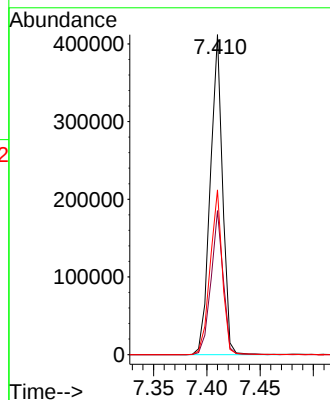
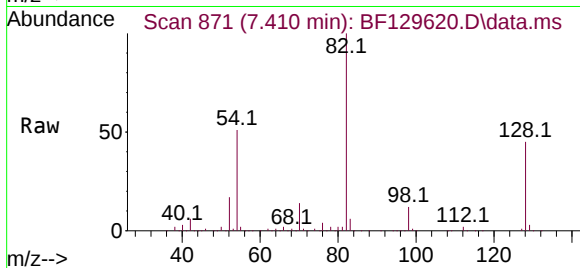
TP2-1-6DL

Tgt Ion: 82 Resp: 330432
 Ion Ratio Lower Upper
 82 100
 128 45.0 34.0 51.0
 54 51.5 46.9 70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

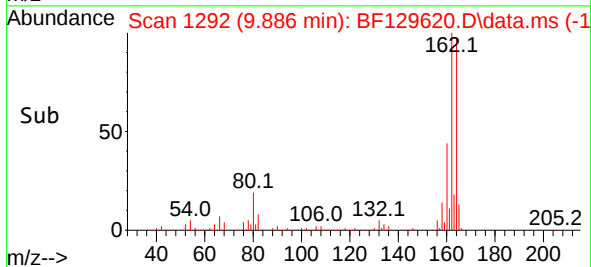
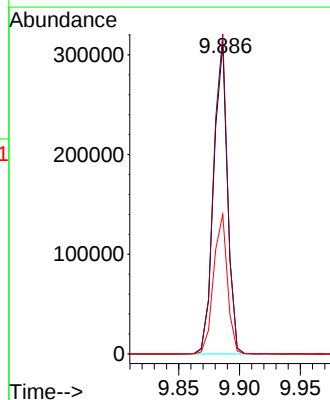
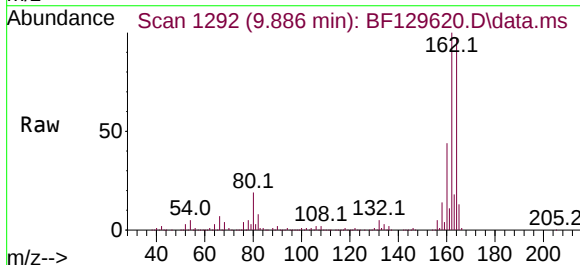
RT: 9.886 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Tgt Ion:164 Resp: 246790
 Ion Ratio Lower Upper
 164 100
 162 103.2 79.5 119.3
 160 45.1 34.2 51.4





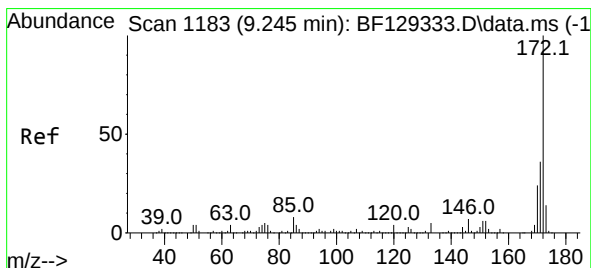
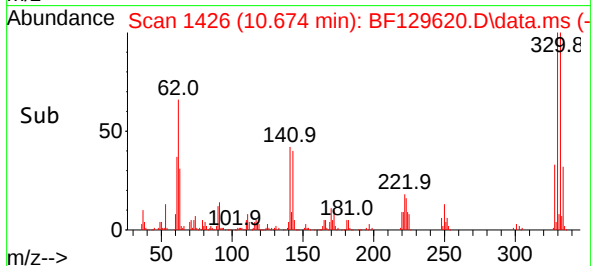
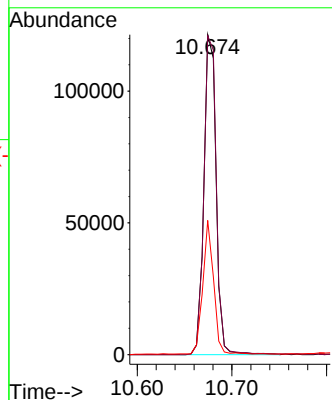
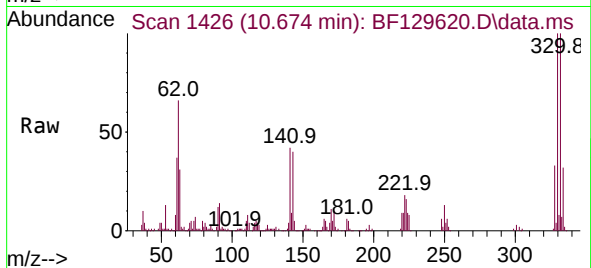
#42
2,4,6-Tribromophenol
Concen: 45.956 ng
RT: 10.674 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

Tgt Ion: 330 Resp: 109041
Ion Ratio Lower Upper
330 100
332 101.5 76.8 115.2
141 37.1 28.0 42.0

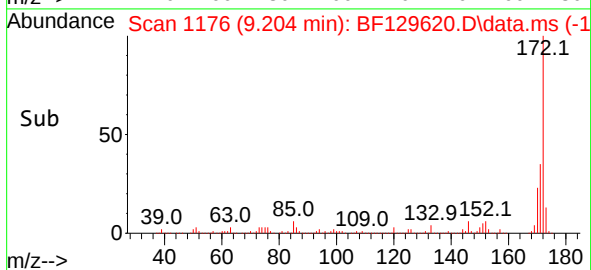
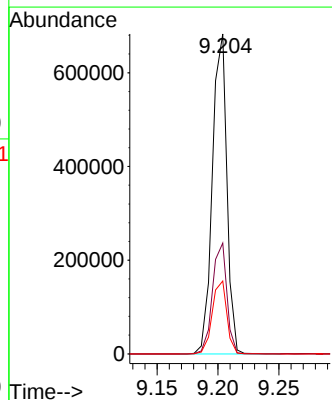
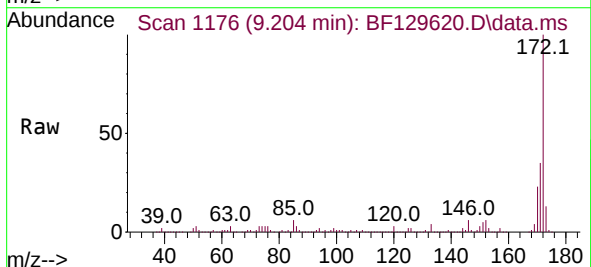
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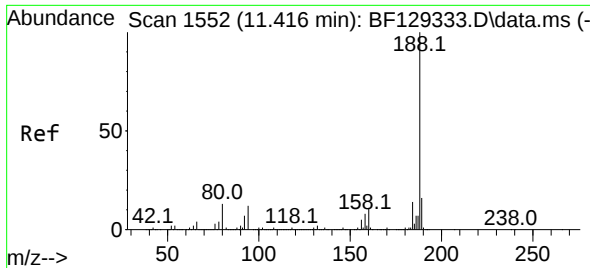
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#45
2-Fluorobiphenyl
Concen: 35.450 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion: 172 Resp: 565542
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 22.8 19.8 29.8





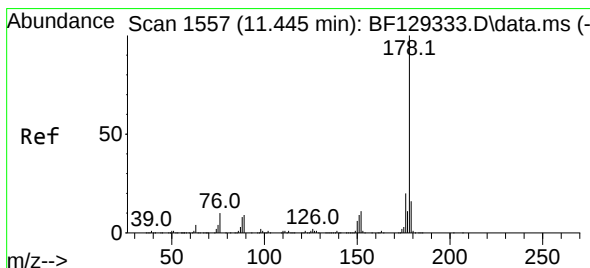
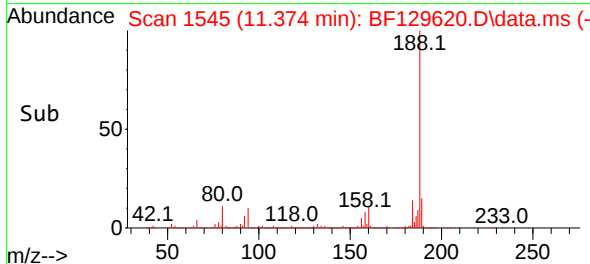
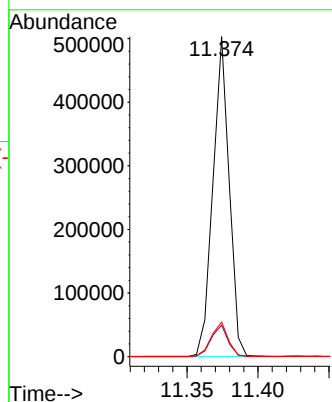
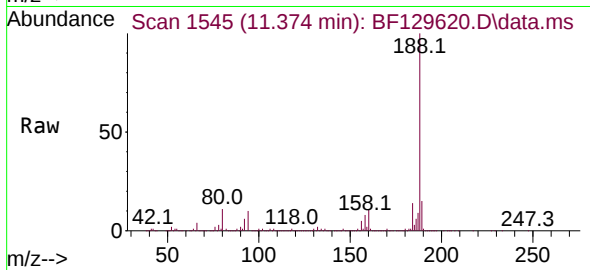
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

Tgt Ion:188 Resp: 400725
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.8 7.6 11.4

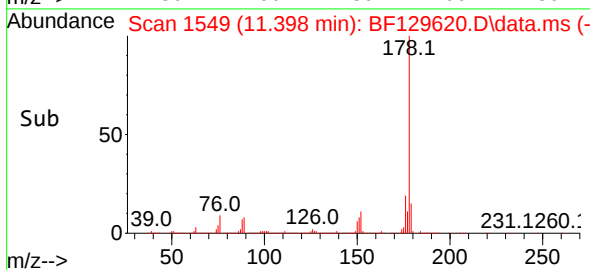
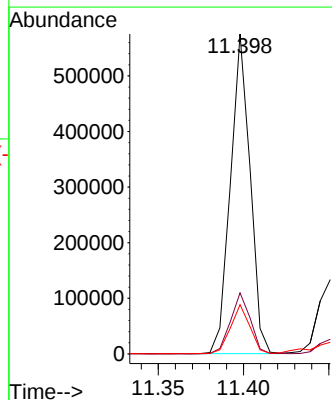
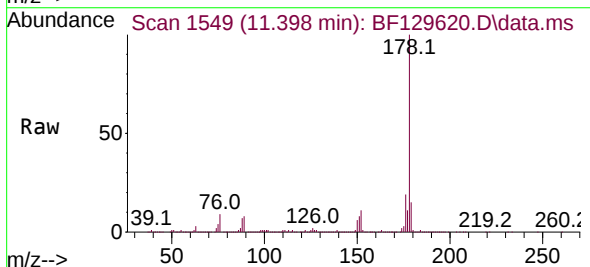
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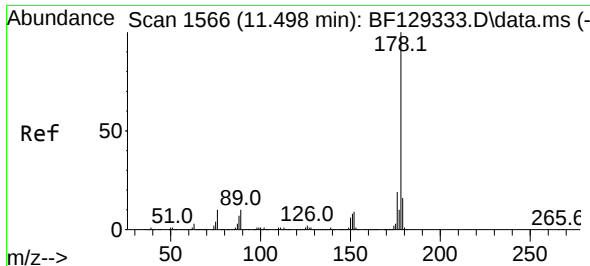
Reviewed By :Christian Giraldo 08/08/2022
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#71
Phenanthrene
Concen: 21.060 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

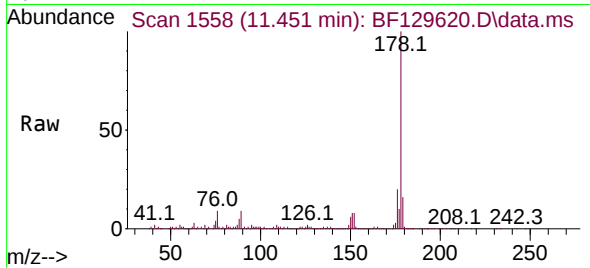
Tgt Ion:178 Resp: 460678
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 5.083 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

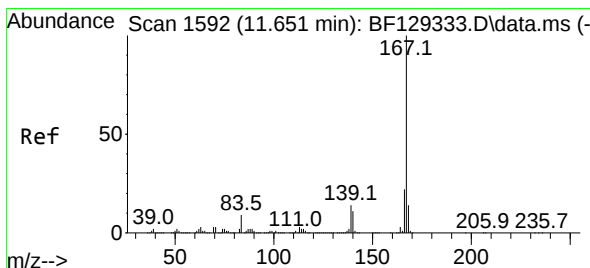
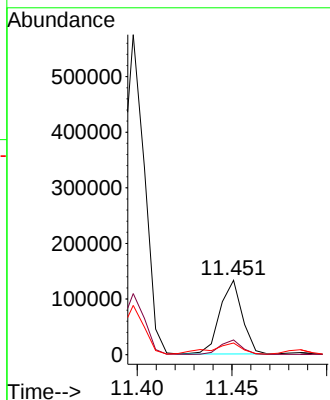
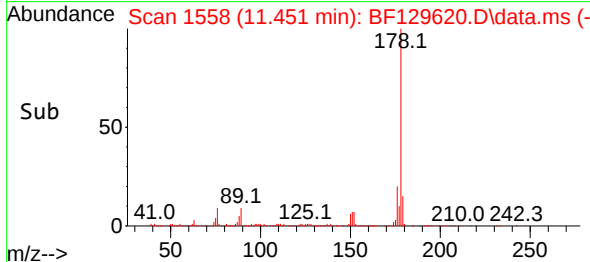
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL



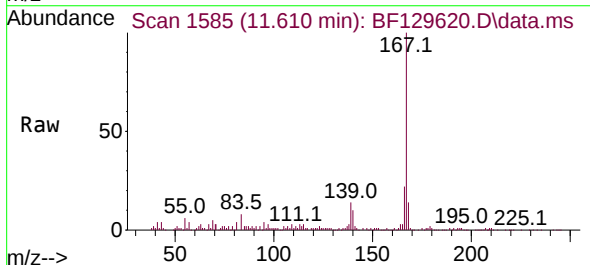
Tgt Ion:178 Resp: 109274
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 15.7 12.6 19.0

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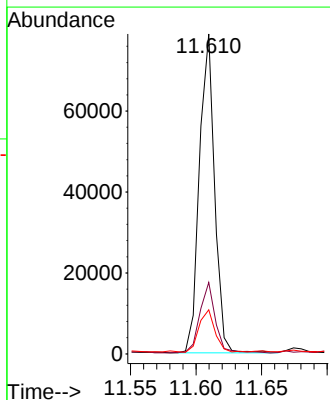
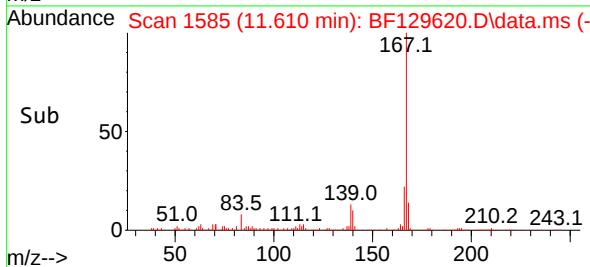
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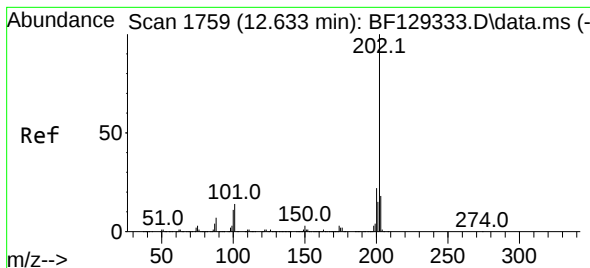


#73
 Carbazole
 Concen: 3.140 ng
 RT: 11.610 min Scan# 1585
 Delta R.T. -0.006 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19



Tgt Ion:167 Resp: 63540
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.8 11.2 16.8





#75

Fluoranthene

Concen: 33.351 ng

RT: 12.592 min Scan# 1752

Delta R.T. -0.006 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Instrument :

BNA_F

ClientSampleId :

TP2-1-6DL

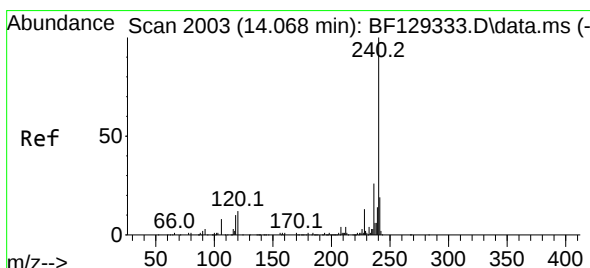
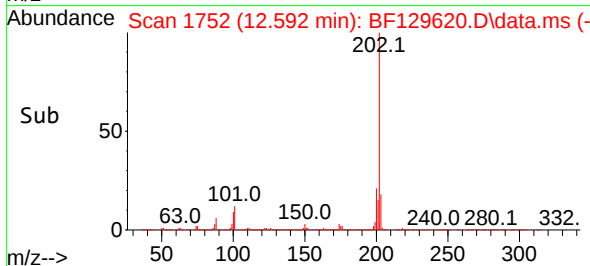
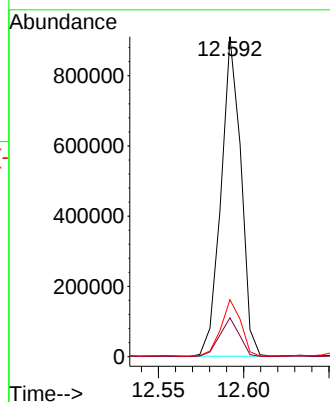
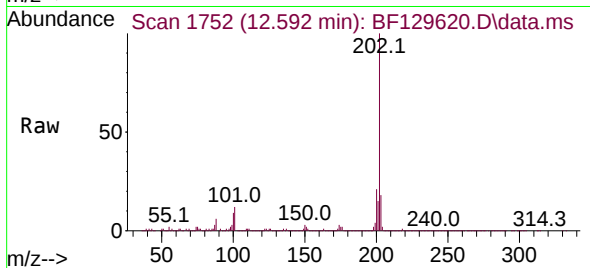
Tgt Ion:	202	Resp:	739176
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	31.4
203	17.8	0.0	38.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/08/2022



#76

Chrysene-d12

Concen: 20.000 ng

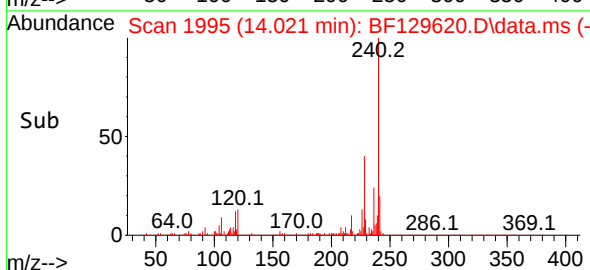
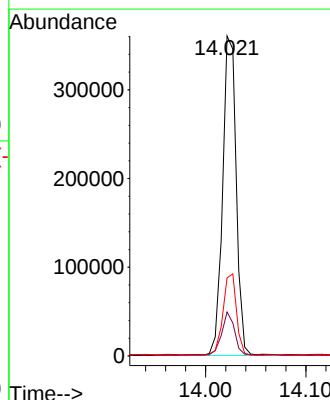
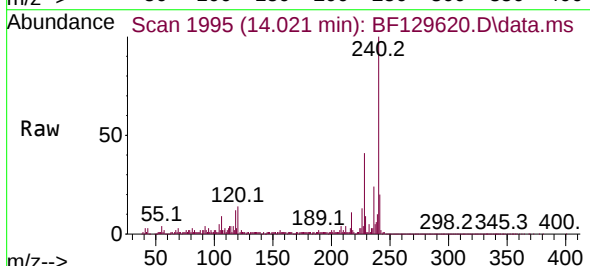
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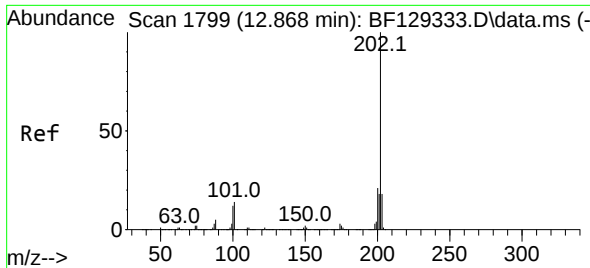
Delta R.T. -0.006 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

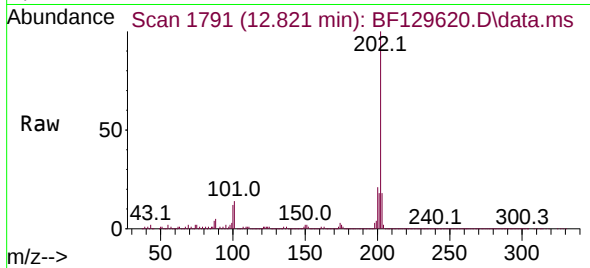
Tgt Ion:	240	Resp:	342410
Ion Ratio	Lower	Upper	
240	100		
120	13.7	8.9	13.3
236	24.4	20.8	31.2





#78
Pyrene
Concen: 23.196 ng
RT: 12.821 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

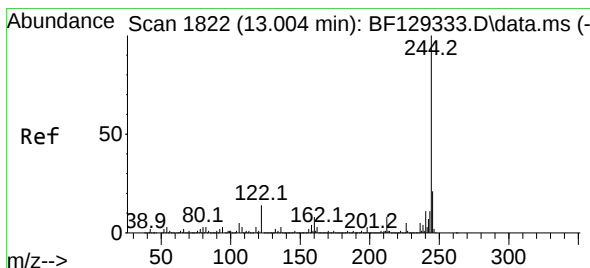
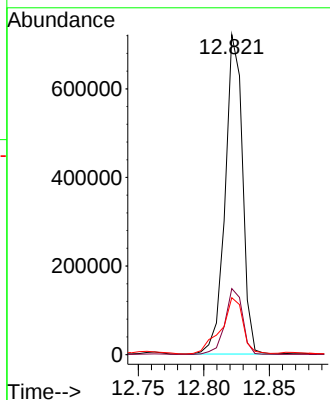
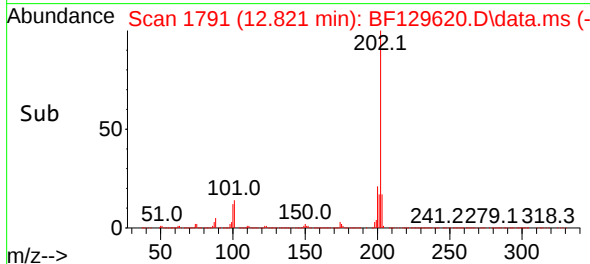
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL



Tgt Ion:202 Resp: 664184
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.8 14.6 21.8

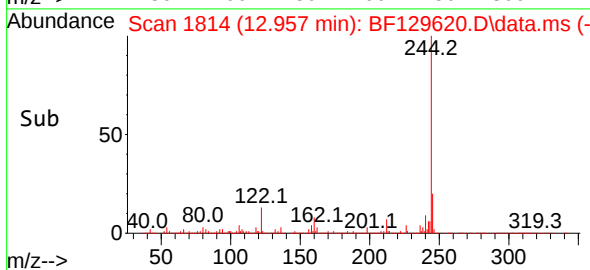
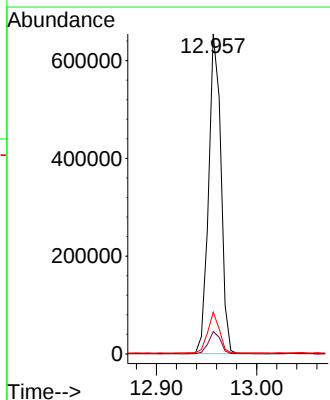
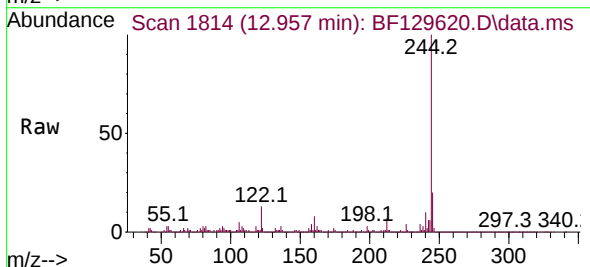
Manual Integrations
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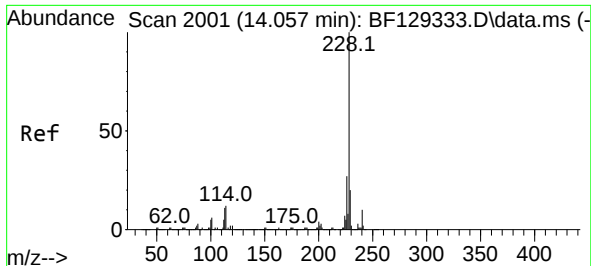
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#79
Terphenyl-d14
Concen: 30.655 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

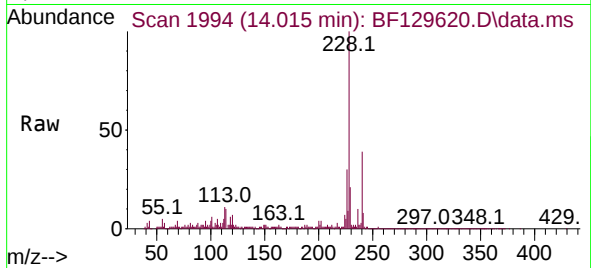
Tgt Ion:244 Resp: 556389
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 13.1 8.8 13.2





#81
Benzo(a)anthracene
Concen: 14.642 ng
RT: 14.015 min Scan# 19
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

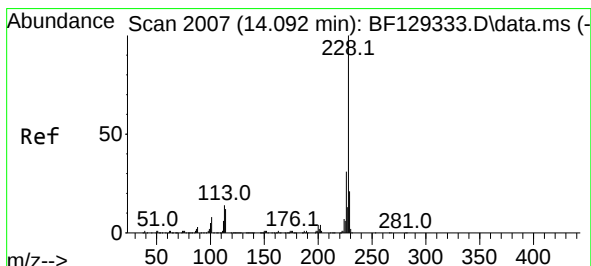
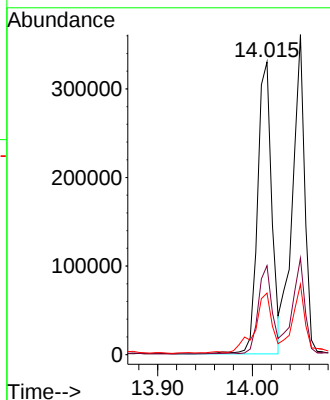
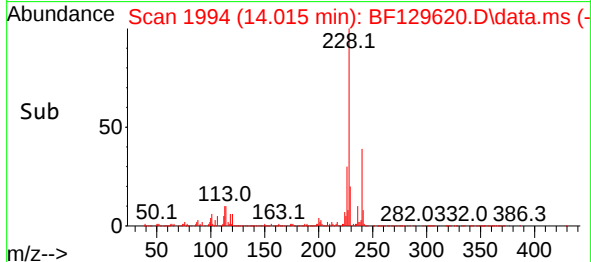
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL



Tgt Ion:228 Resp: 342476
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 21.0 15.8 23.8

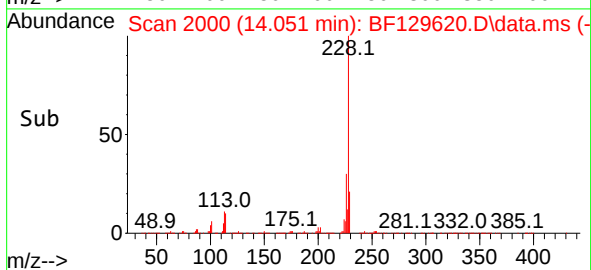
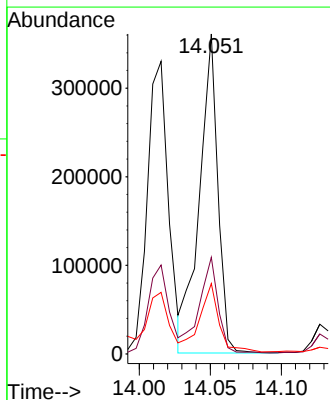
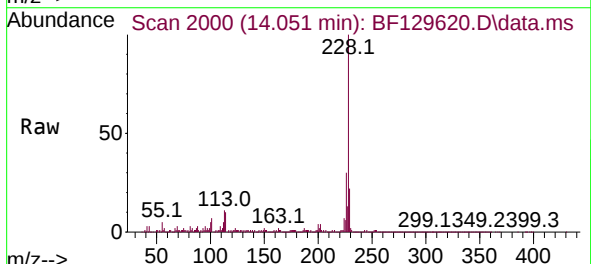
Manual Integrations
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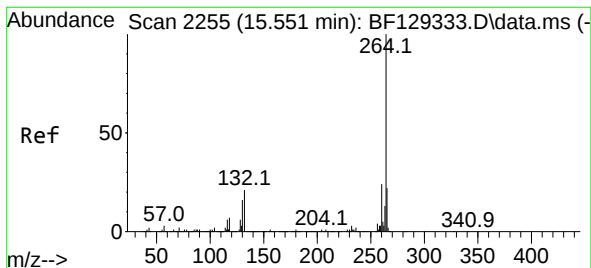
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#83
Chrysene
Concen: 14.817 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:228 Resp: 326627
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

Instrument :

BNA_F

ClientSampleId :

TP2-1-6DL

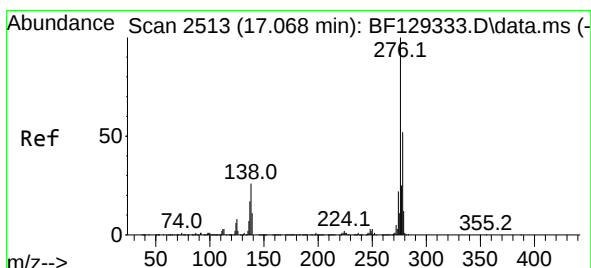
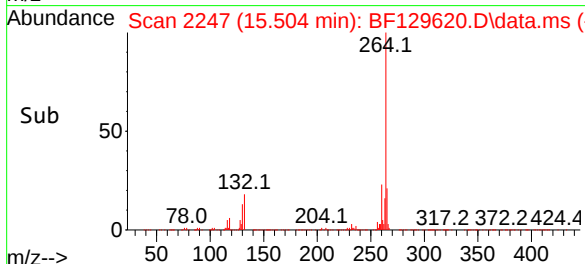
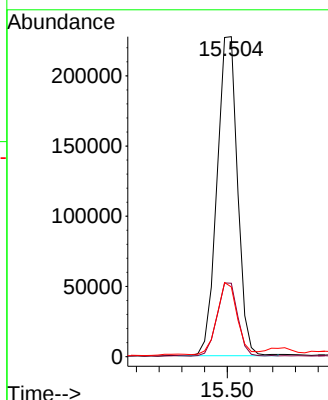
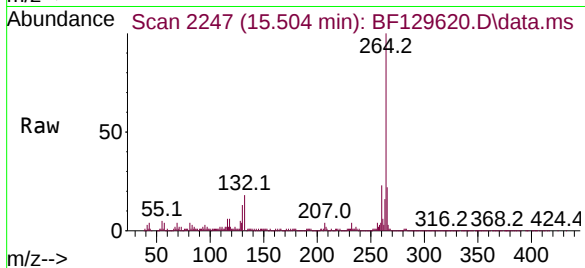
Tgt Ion:	264	Resp:	284266
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.4	27.6
265	21.8	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/08/2022

Supervised By :Jagrut Upadhyay 08/08/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.104 ng

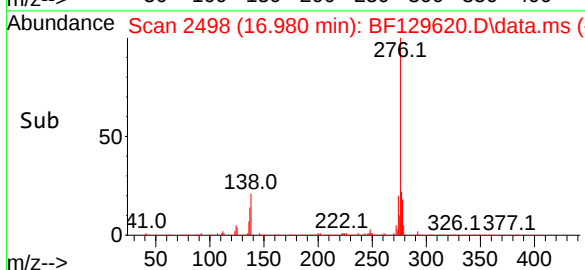
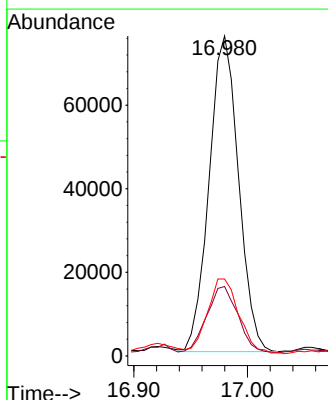
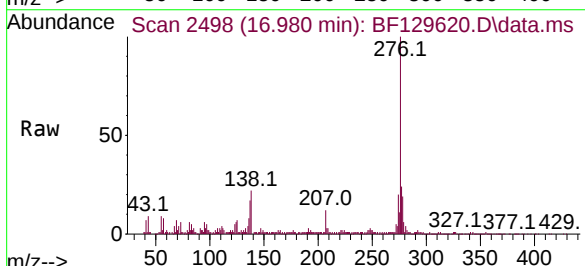
RT: 16.980 min Scan# 2498

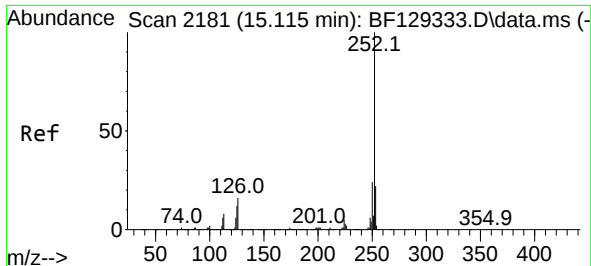
Delta R.T. -0.018 min

Lab File: BF129620.D

Acq: 06 Aug 2022 02:19

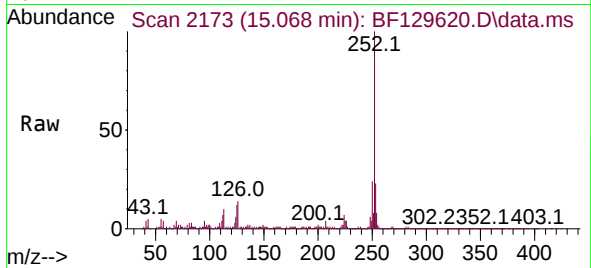
Tgt Ion:	276	Resp:	135997
Ion Ratio	Lower	Upper	
276	100		
138	22.4	21.1	31.7
277	25.3	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 19.474 ng m
RT: 15.068 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

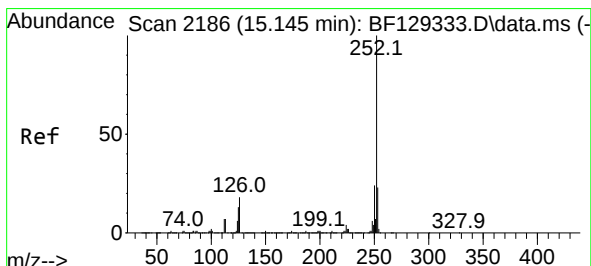
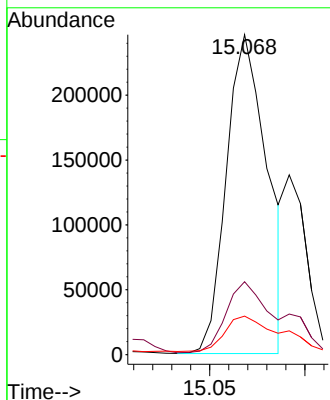
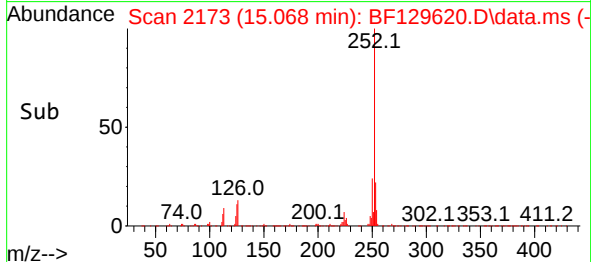
Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL



Tgt Ion:252 Resp: 367200
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.0 8.0 12.0

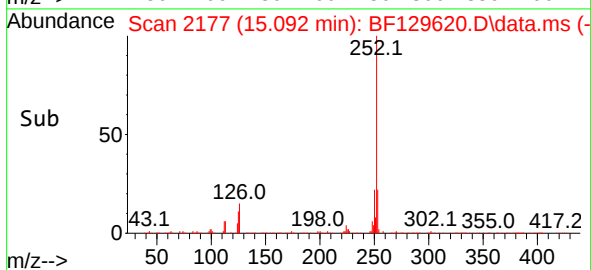
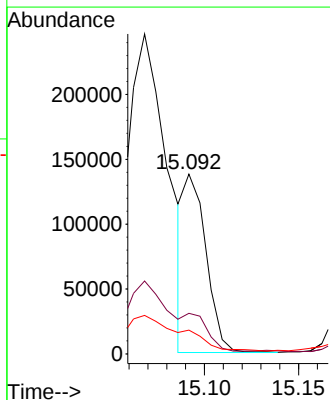
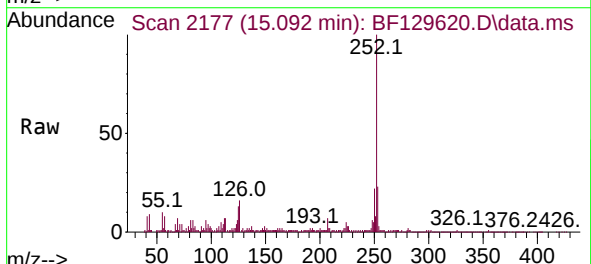
Manual Integrations
APPROVED

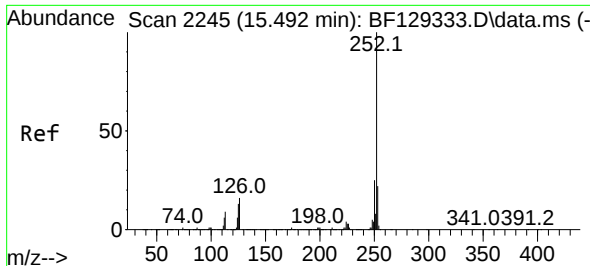
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#89
Benzo(k)fluoranthene
Concen: 6.010 ng m
RT: 15.092 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Tgt Ion:252 Resp: 111048
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 13.3 8.3 12.5





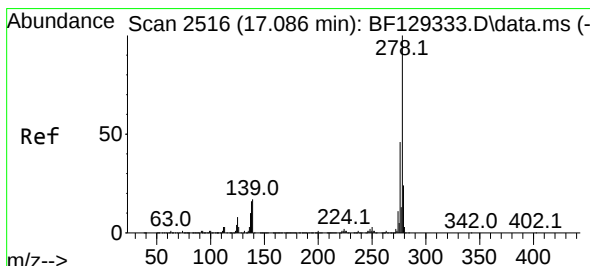
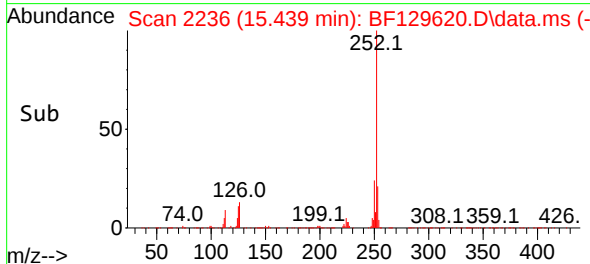
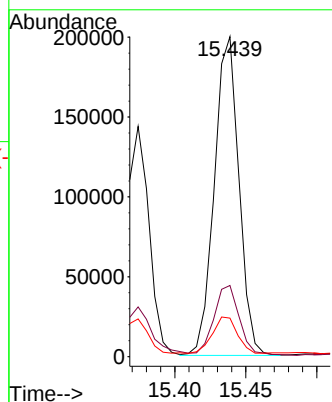
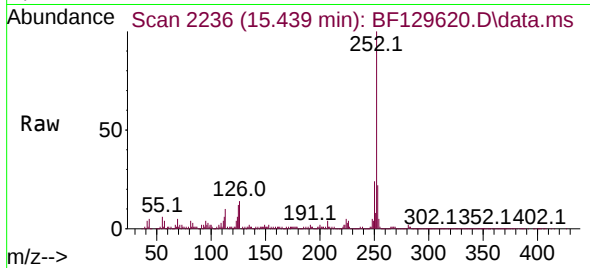
#90
Benzo(a)pyrene
Concen: 15.727 ng
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

Instrument :
BNA_F
ClientSampleId :
TP2-1-6DL

Tgt Ion:252 Resp: 240741
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 12.0 8.8 13.2

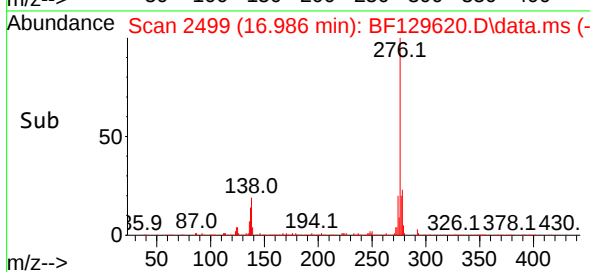
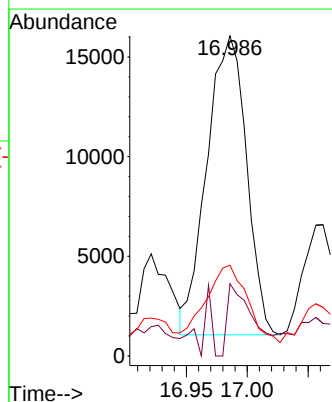
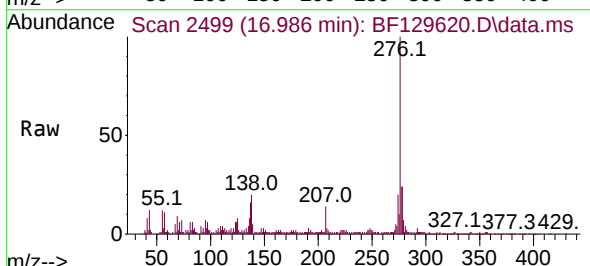
Manual Integrations
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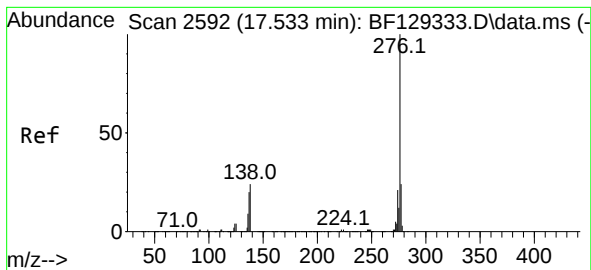
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.178 ng
RT: 16.986 min Scan# 2499
Delta R.T. -0.024 min
Lab File: BF129620.D
Acq: 06 Aug 2022 02:19

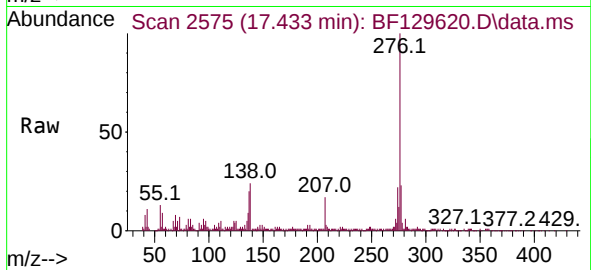
Tgt Ion:278 Resp: 33936
Ion Ratio Lower Upper
278 100
139 22.5 12.8 19.2#
279 28.3 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 7.903 ng
 RT: 17.433 min Scan# 2575
 Delta R.T. -0.018 min
 Lab File: BF129620.D
 Acq: 06 Aug 2022 02:19

Instrument :
 BNA_F
 ClientSampleId :
 TP2-1-6DL



Tgt Ion:	276	Resp:	125816
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.1	28.7
138	24.3	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

