

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130281.D
 Acq On : 15 Sep 2022 20:29
 Operator : CG\JU
 Sample : N4562-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 03:34:51 2022

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 14 14:55:51 2022

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	102459	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	374407	20.000	ng	0.00
39) Acenaphthene-d10	9.704	164	157833	20.000	ng	0.00
64) Phenanthrene-d10	11.204	188	210686	20.000	ng	# 0.01
76) Chrysene-d12	13.828	240	189253	20.000	ng	0.00
86) Perylene-d12	15.216	264	169350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	352691	59.705	ng	0.00
7) Phenol-d6	6.305	99	423505	57.298	ng	-0.01
23) Nitrobenzene-d5	7.240	82	263632	35.973	ng	-0.01
42) 2,4,6-Tribromophenol	10.498	330	80474	53.212	ng	0.00
45) 2-Fluorobiphenyl	9.034	172	426816	39.379	ng	0.00
79) Terphenyl-d14	12.792	244	350178	30.650	ng	0.02
Target Compounds						Qvalue
49) Acenaphthylene	9.569	152	62220	4.352	ng	# 92
58) Fluorene	10.251	166	24629	2.305	ng	# 90
71) Phenanthrene	11.228	178	370791	31.346	ng	# 92
72) Anthracene	11.275	178	65230	5.714	ng	# 62
73) Carbazole	11.434	167	37904	3.679	ng	# 45
75) Fluoranthene	12.422	202	656462	57.433	ng	96
78) Pyrene	12.651	202	694907	41.973	ng	98
81) Benzo(a)anthracene	13.822	228	307094	24.392	ng	94
83) Chrysene	13.857	228	360566	30.162	ng	97
84) Bis(2-ethylhexyl)phtha...	13.816	149	128118	18.237	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.545	276	147495m	12.282	ng	
88) Benzo(b)fluoranthene	14.828	252	451608m	40.857	ng	
89) Benzo(k)fluoranthene	14.851	252	95012m	8.738	ng	
90) Benzo(a)pyrene	15.157	252	239022	27.295	ng	97
91) Dibenzo(a,h)anthracene	16.551	278	38379	3.896	ng	# 93
92) Benzo(g,h,i)perylene	16.945	276	144703	14.581	ng	98

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

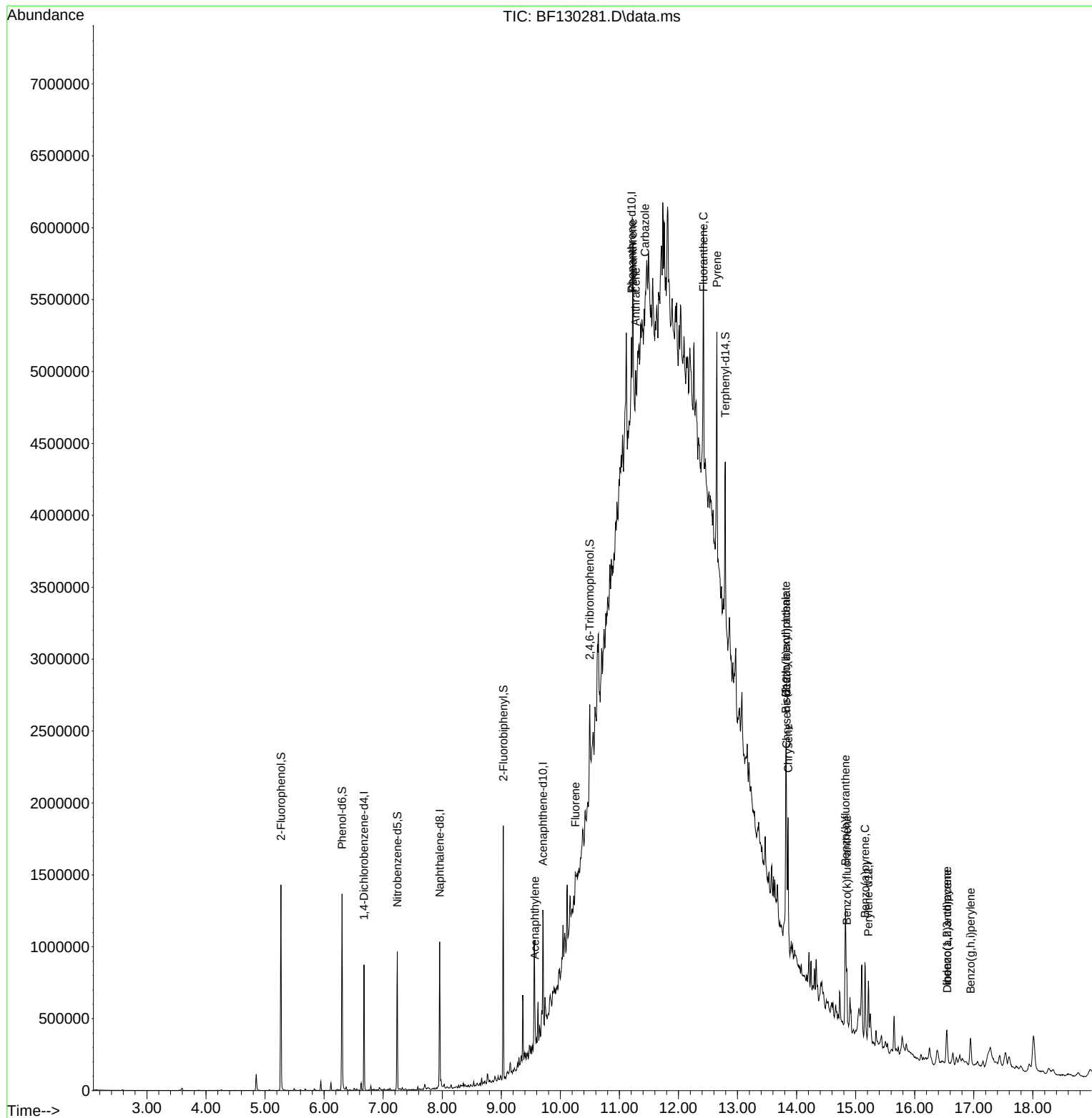
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
Data File : BF130281.D
Acq On : 15 Sep 2022 20:29
Operator : CG\JU
Sample : N4562-01DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

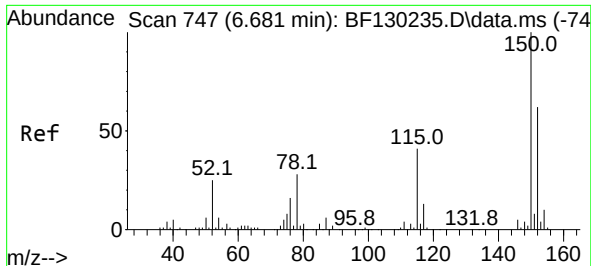
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

Quant Time: Sep 16 03:34:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 14 14:55:51 2022
Response via : Initial Calibration

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APPROVED

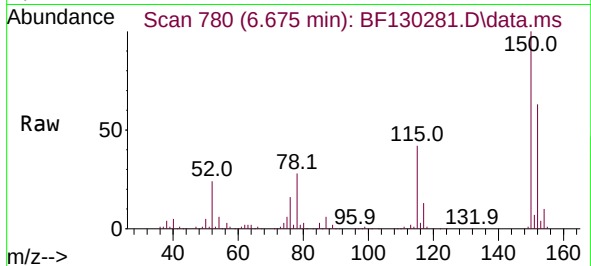
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.675 min Scan# 747
 Delta R.T. -0.006 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

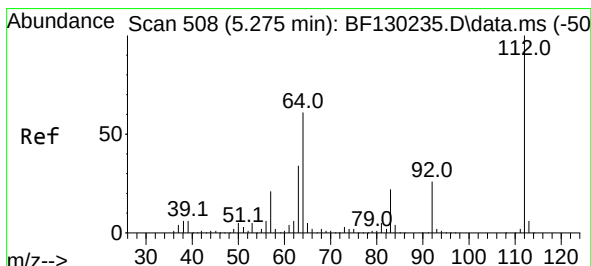
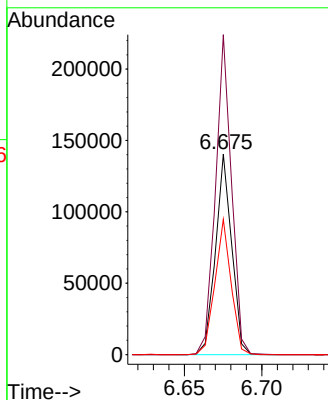
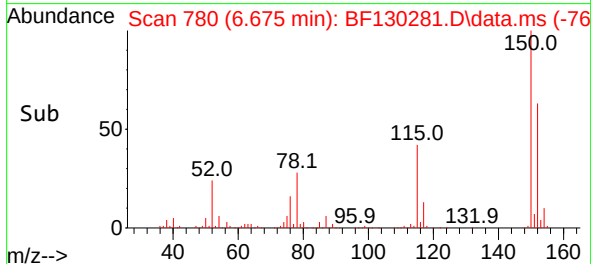
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-2046DL



Tgt Ion:152 Resp: 102459
 Ion Ratio Lower Upper
 152 100
 150 159.5 122.8 184.2
 115 67.4 53.8 80.8

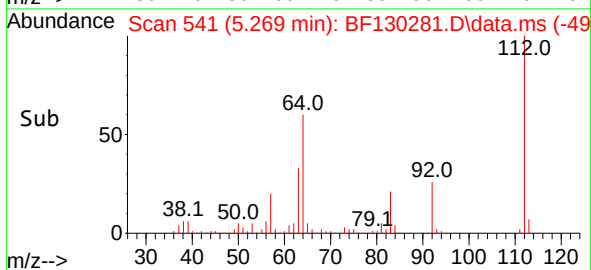
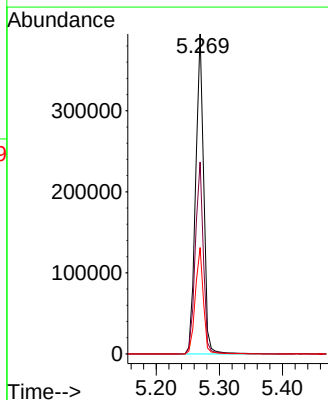
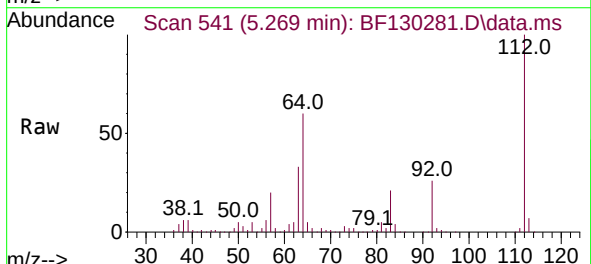
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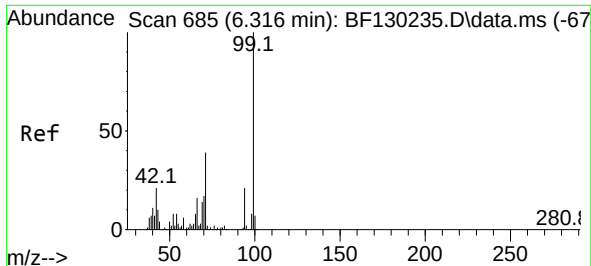
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022



#5
 2-Fluorophenol
 Concen: 59.705 ng
 RT: 5.269 min Scan# 541
 Delta R.T. -0.005 min
 Lab File: BF130281.D
 Acq: 15 Sep 2022 20:29

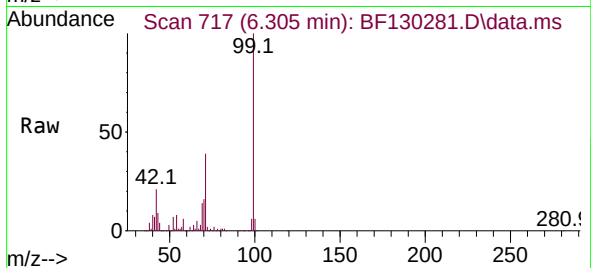
Tgt Ion:112 Resp: 352691
 Ion Ratio Lower Upper
 112 100
 64 60.0 51.4 77.0
 63 33.2 28.8 43.2





#7
Phenol-d6
Concen: 57.298 ng
RT: 6.305 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

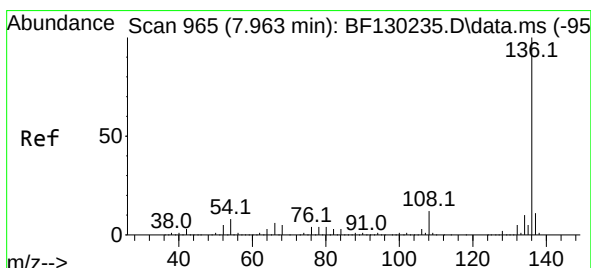
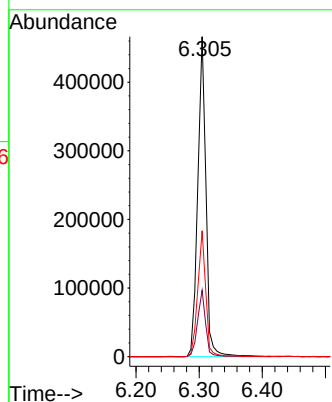
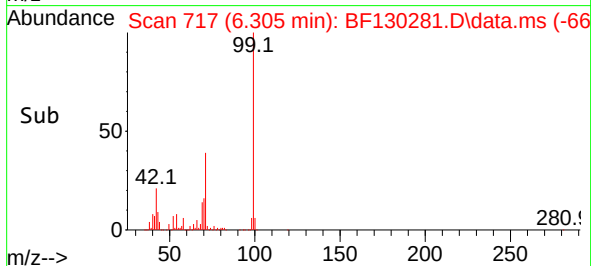
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL



Tgt Ion: 99 Resp: 423505
Ion Ratio Lower Upper
99 100
42 20.7 17.0 25.6
71 39.3 32.3 48.5

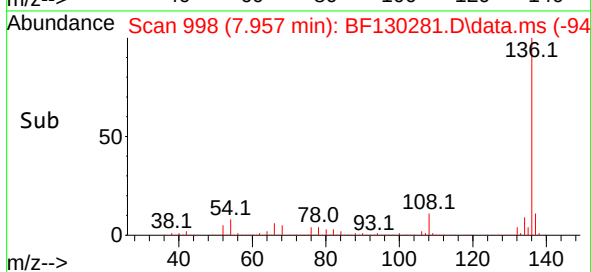
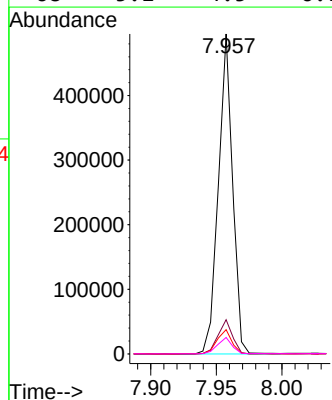
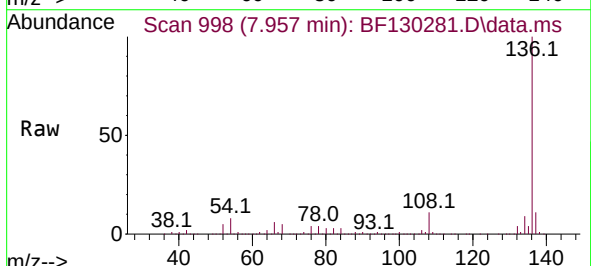
Manual Integrations
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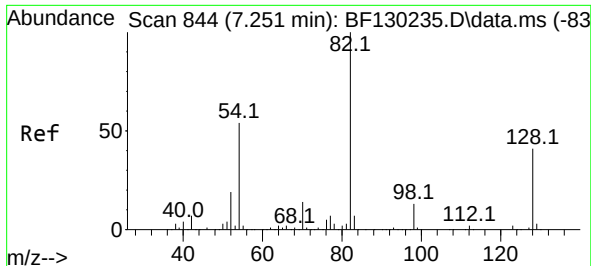
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.005 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:136 Resp: 374407
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 7.6 7.1 10.7
68 5.1 4.5 6.7





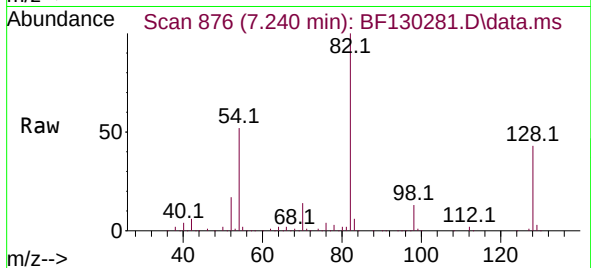
#23
Nitrobenzene-d5
Concen: 35.973 ng
RT: 7.240 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

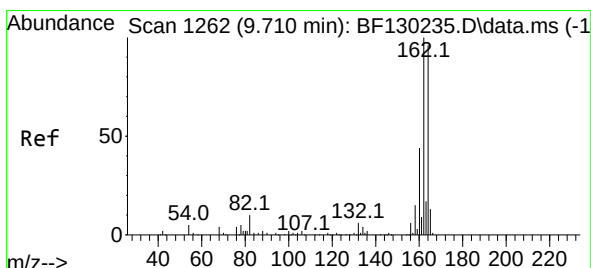
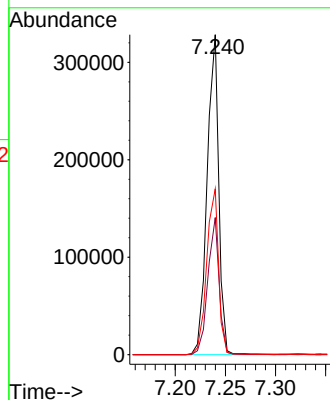
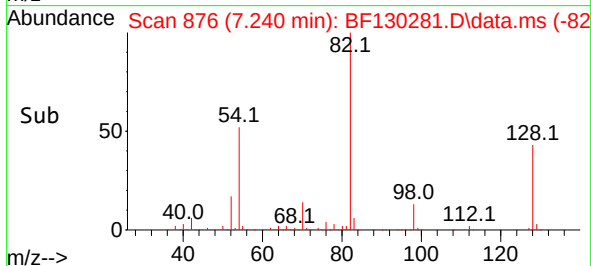


Tgt Ion: 82 Resp: 263632
Ion Ratio Lower Upper
82 100
128 42.8 32.6 49.0
54 51.8 43.8 65.6

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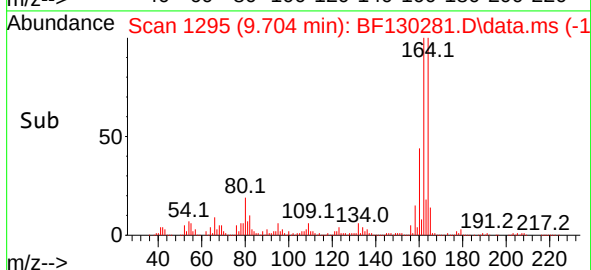
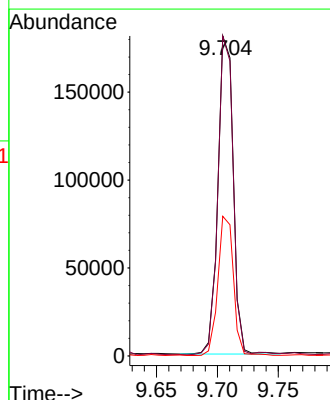
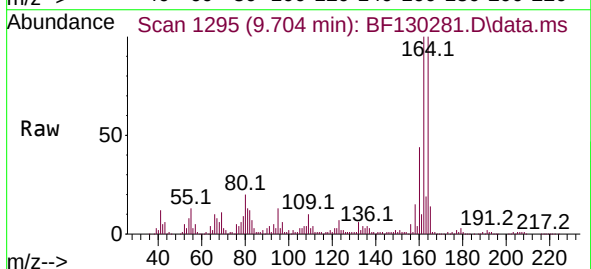
APPROVED

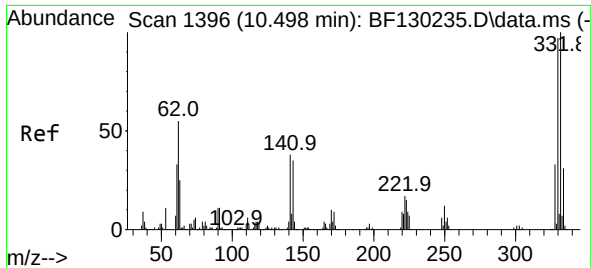
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

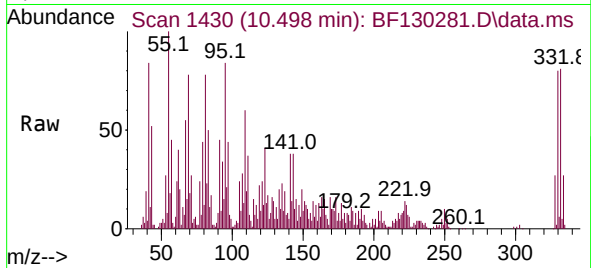
Tgt Ion:164 Resp: 157833
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 43.6 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 53.212 ng
RT: 10.498 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

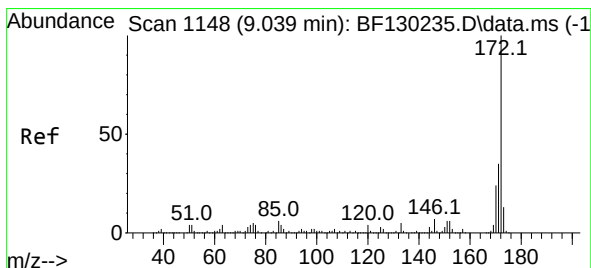
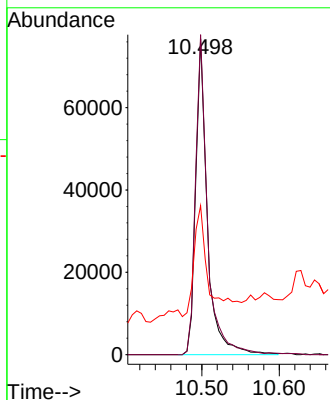
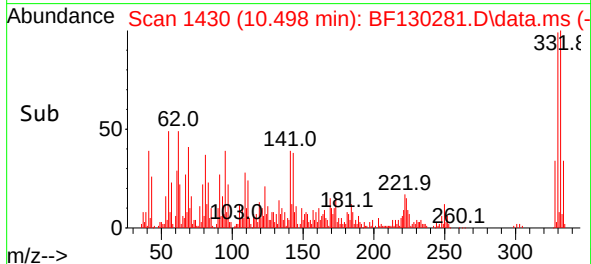
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL



Tgt Ion: 330 Resp: 80474
Ion Ratio Lower Upper
330 100
332 103.0 83.4 125.2
141 45.2 34.0 51.0

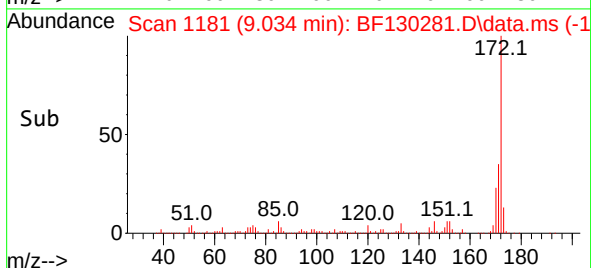
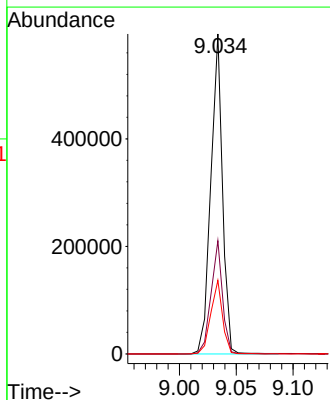
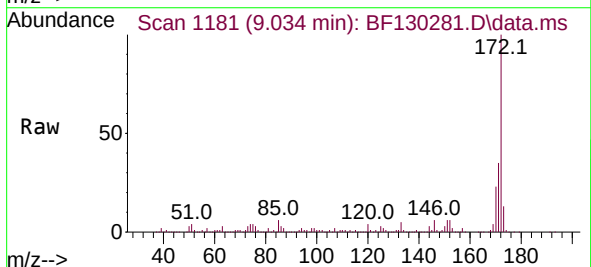
Manual Integrations
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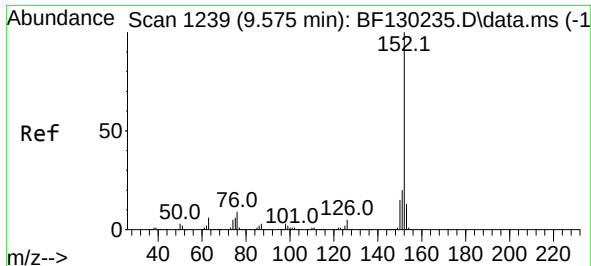
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022



#45
2-Fluorobiphenyl
Concen: 39.379 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.005 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion: 172 Resp: 426816
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.0 18.7 28.1





#49

Acenaphthylene

Concen: 4.352 ng

RT: 9.569 min Scan# 1387

Delta R.T. -0.005 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

Tgt Ion:152 Resp: 62220

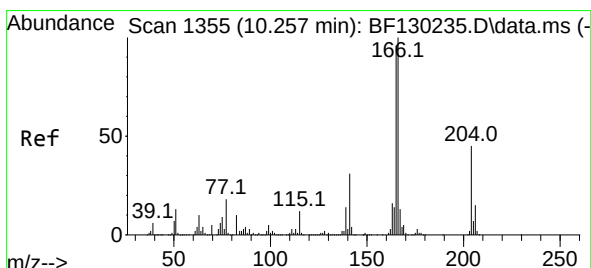
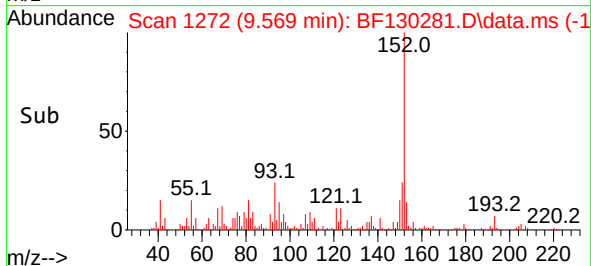
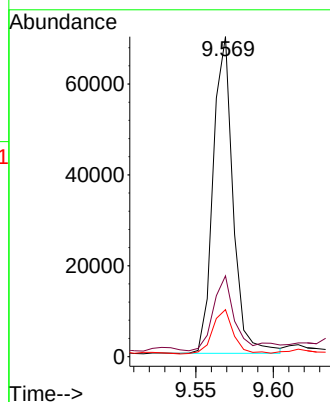
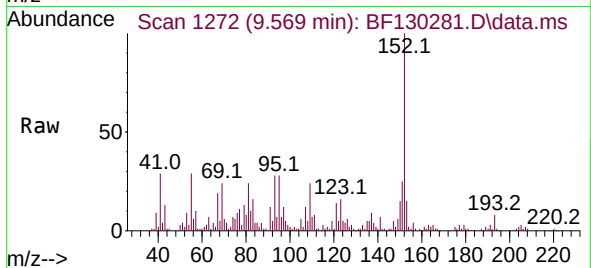
Ion	Ratio	Lower	Upper
152	100		
151	25.2	16.2	24.2
153	14.7	10.6	15.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/16/2022



#58

Fluorene

Concen: 2.305 ng

RT: 10.251 min Scan# 1388

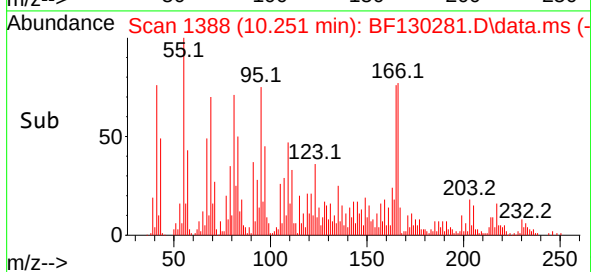
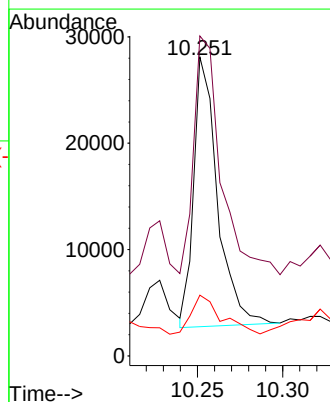
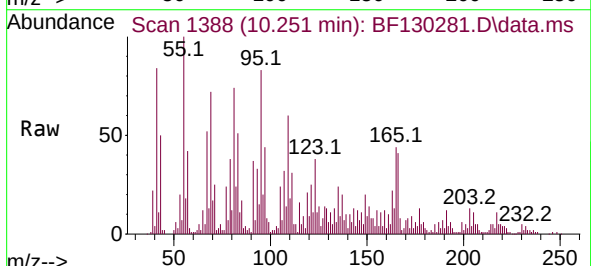
Delta R.T. -0.005 min

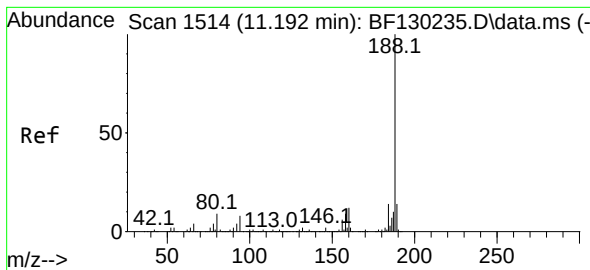
Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Tgt Ion:166 Resp: 24629

Ion	Ratio	Lower	Upper
166	100		
165	107.1	78.8	118.2
167	20.3	10.6	15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.204 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

Tgt Ion:188 Resp: 210686

Ion Ratio Lower Upper

188 100

94 19.1 7.4 11.2

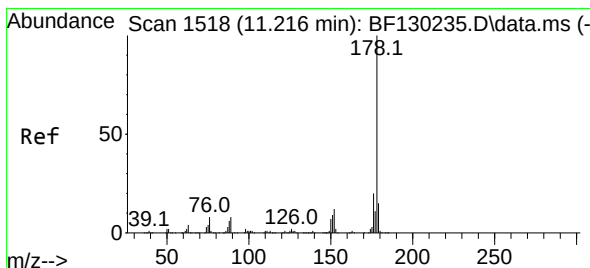
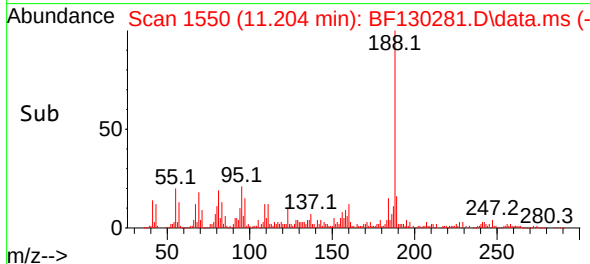
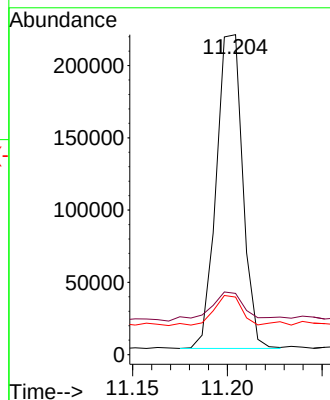
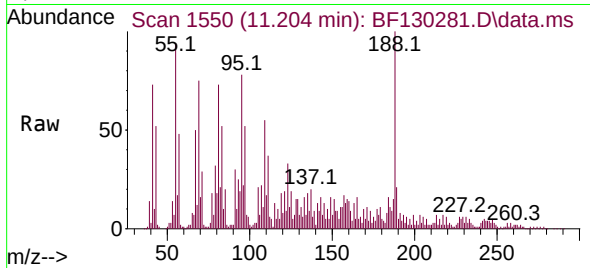
80 18.0 7.9 11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#71

Phenanthrene

Concen: 31.346 ng

RT: 11.228 min Scan# 1554

Delta R.T. 0.012 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

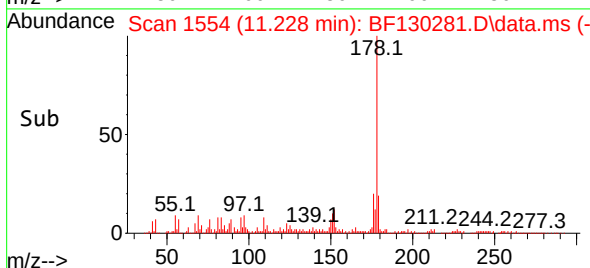
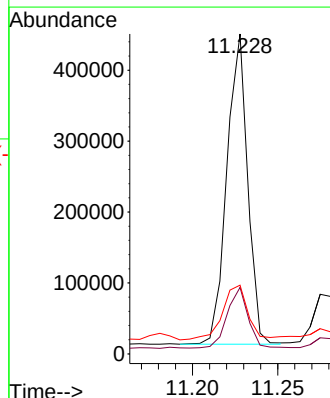
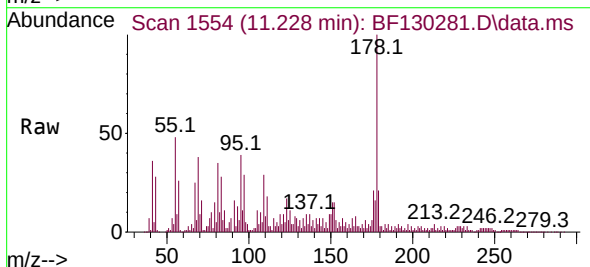
Tgt Ion:178 Resp: 370791

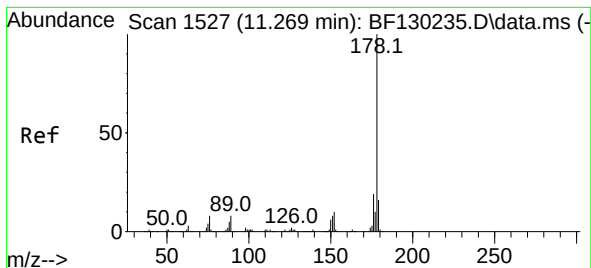
Ion Ratio Lower Upper

178 100

176 20.8 15.4 23.0

179 21.5 12.4 18.6





#72

Anthracene

Concen: 5.714 ng

RT: 11.275 min Scan# 1562

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

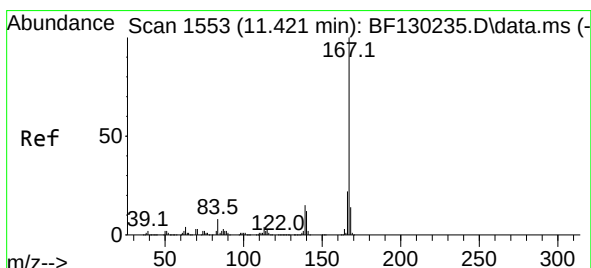
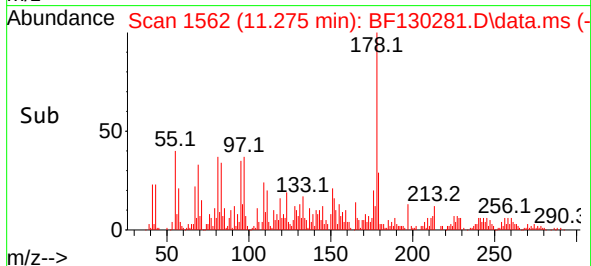
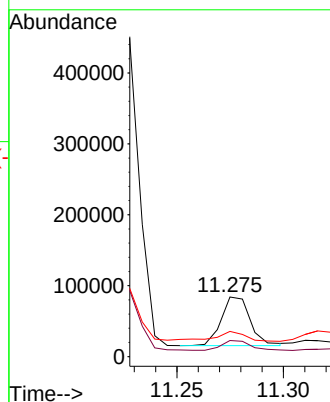
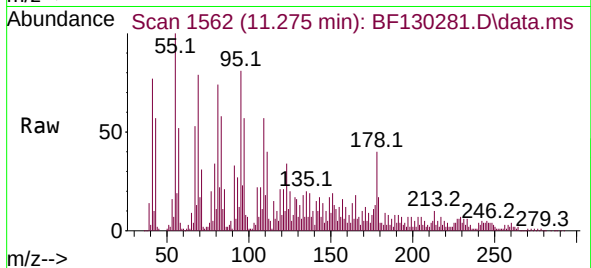
Tgt Ion:178 Resp: 65230
 Ion Ratio Lower Upper
 178 100
 176 26.9 15.0 22.6#
 179 42.2 12.7 19.1#

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#73

Carbazole

Concen: 3.679 ng

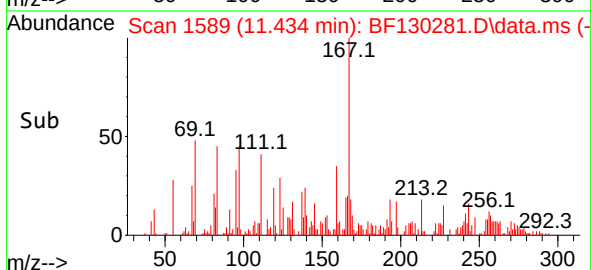
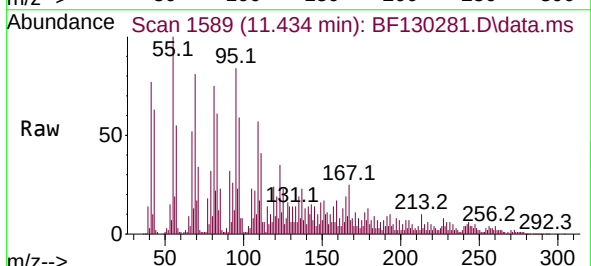
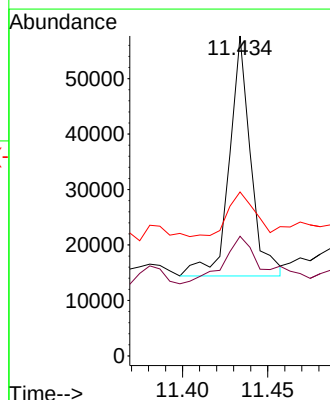
RT: 11.434 min Scan# 1589

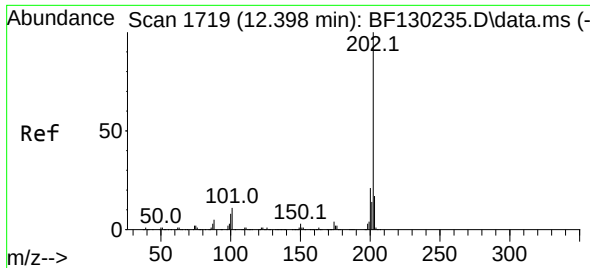
Delta R.T. 0.012 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

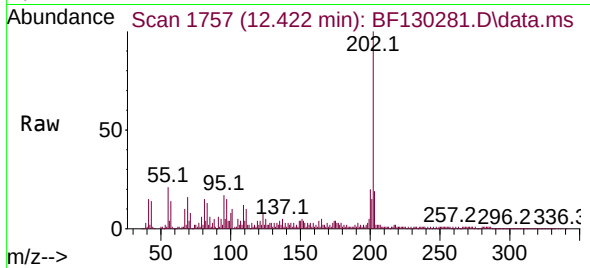
Tgt Ion:167 Resp: 37904
 Ion Ratio Lower Upper
 167 100
 166 37.4 17.4 26.2#
 139 51.2 11.6 17.4#





#75
Fluoranthene
Concen: 57.433 ng
RT: 12.422 min Scan# 1757
Delta R.T. 0.024 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

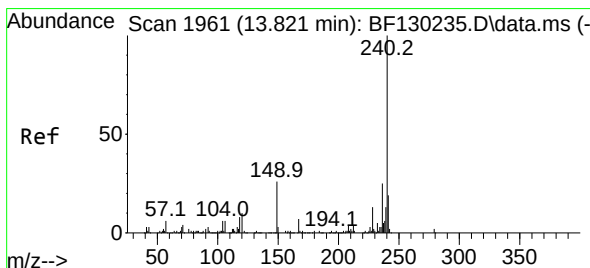
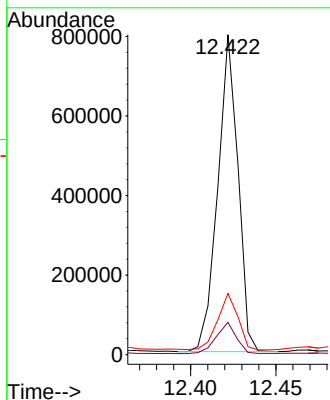
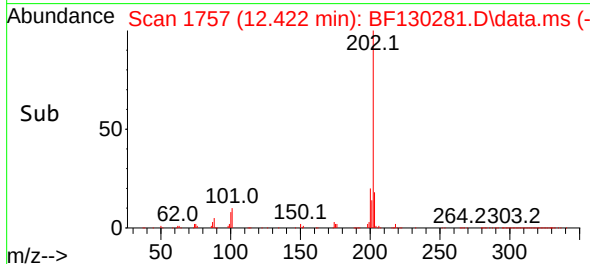
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL



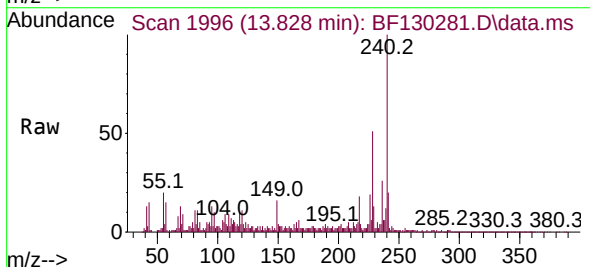
Tgt Ion:202 Resp: 656462
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 19.1 0.0 37.8

Manual Integrations
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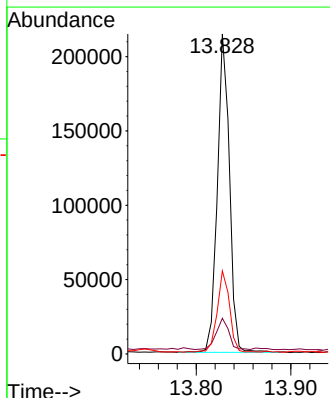
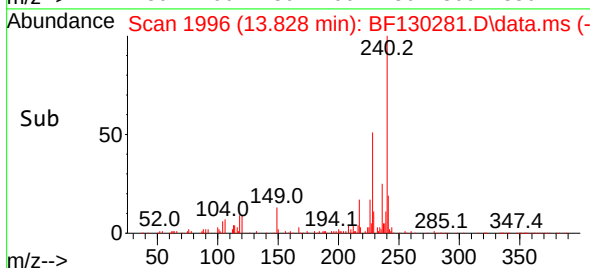
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

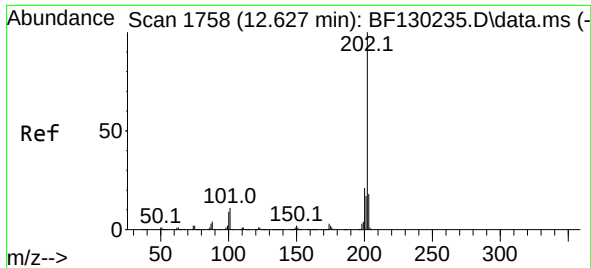


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.828 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29



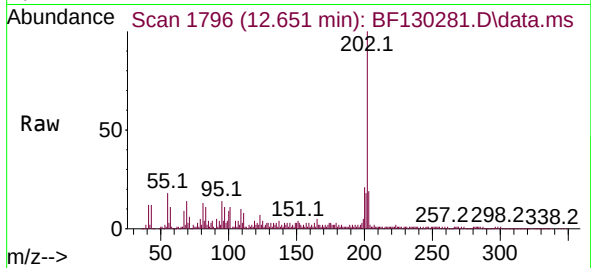
Tgt Ion:240 Resp: 189253
Ion Ratio Lower Upper
240 100
120 11.1 8.7 13.1
236 25.9 20.9 31.3





#78
Pyrene
Concen: 41.973 ng
RT: 12.651 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

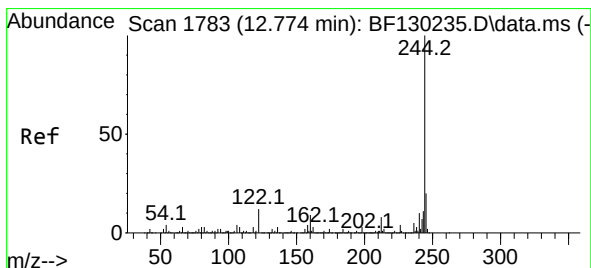
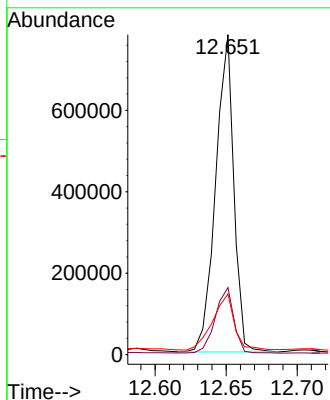
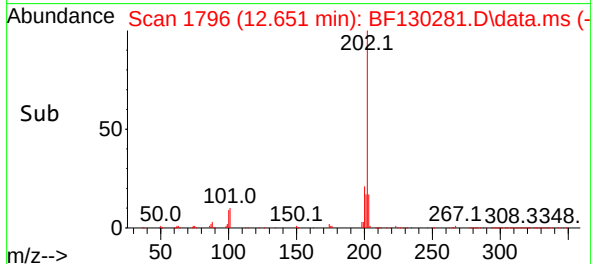
Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL



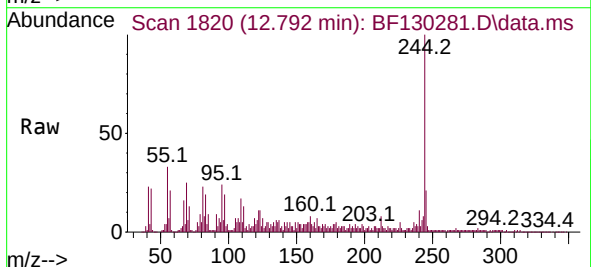
Tgt Ion:202 Resp: 69490
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 18.9 14.3 21.5

Manual Integrations
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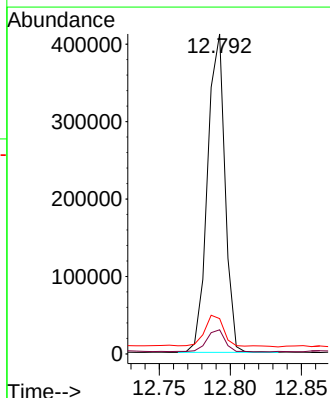
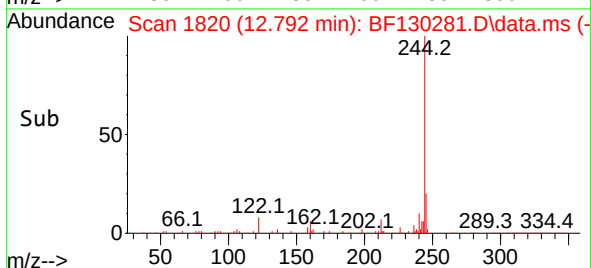
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

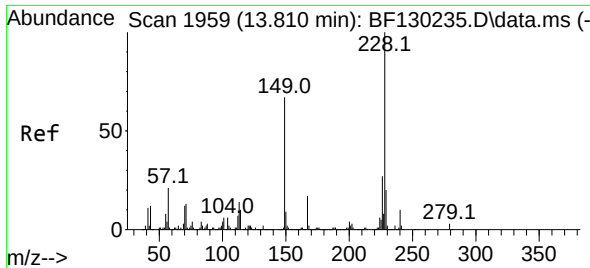


#79
Terphenyl-d14
Concen: 30.650 ng
RT: 12.792 min Scan# 1820
Delta R.T. 0.018 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29



Tgt Ion:244 Resp: 350178
Ion Ratio Lower Upper
244 100
212 7.5 5.9 8.9
122 11.0 8.5 12.7





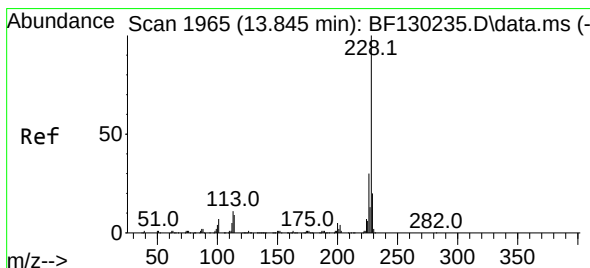
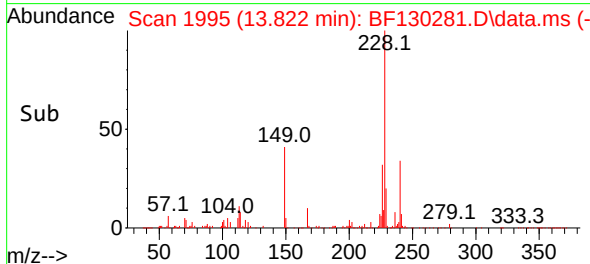
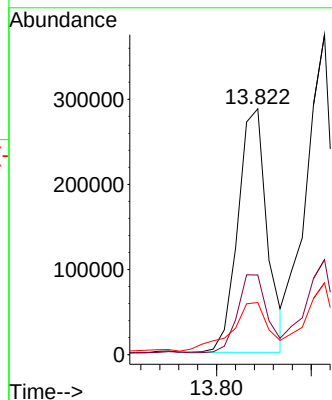
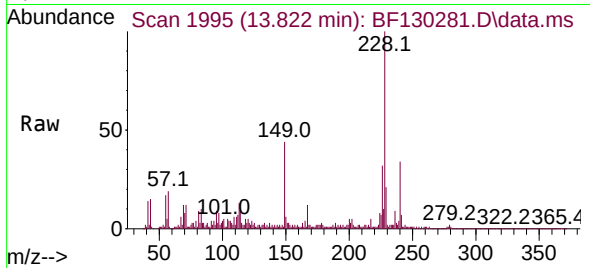
#81
Benzo(a)anthracene
Concen: 24.392 ng
RT: 13.822 min Scan# 1959
Delta R.T. 0.012 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Instrument :
BNA_F
ClientSampleId :
CHRT-2046DL

Tgt Ion:228 Resp: 307094
Ion Ratio Lower Upper
228 100
226 32.3 21.9 32.9
229 21.2 16.1 24.1

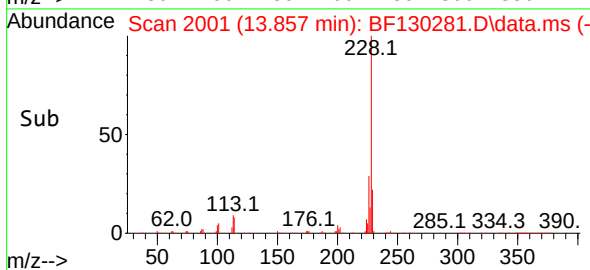
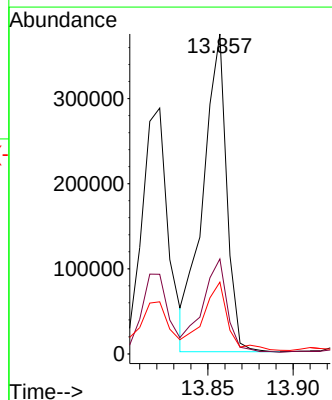
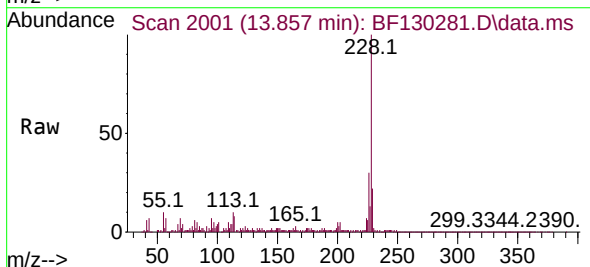
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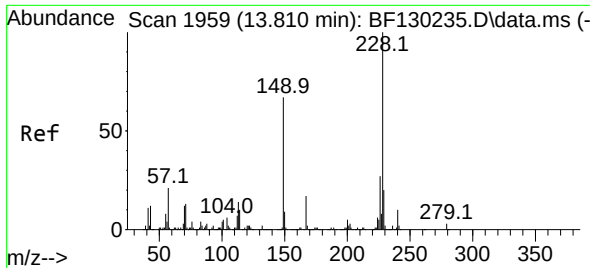
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#83
Chrysene
Concen: 30.162 ng
RT: 13.857 min Scan# 2001
Delta R.T. 0.012 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:228 Resp: 360566
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.8
229 22.4 15.3 22.9





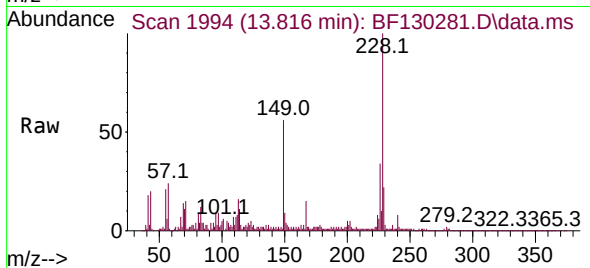
#84
Bis(2-ethylhexyl)phthalate
Concen: 18.237 ng
RT: 13.816 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

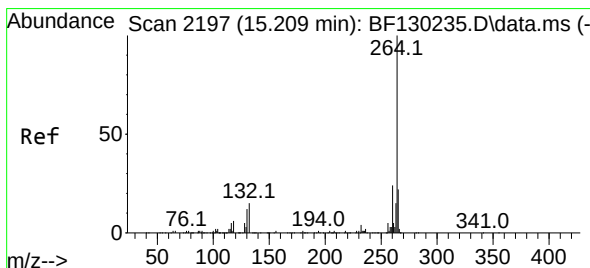
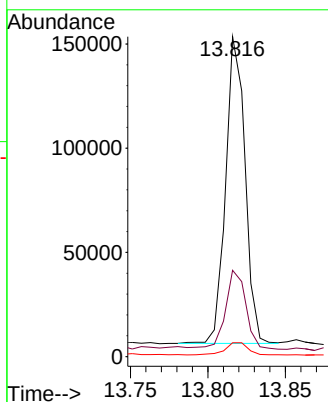
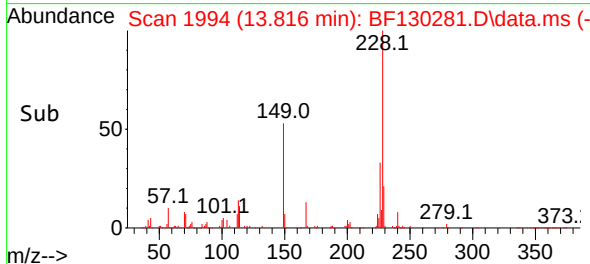


Tgt Ion:149 Resp: 128118
Ion Ratio Lower Upper
149 100
167 27.0 20.5 30.7
279 4.3 2.9 4.3

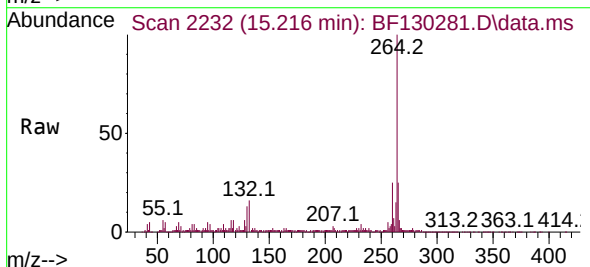
Manual Integrations

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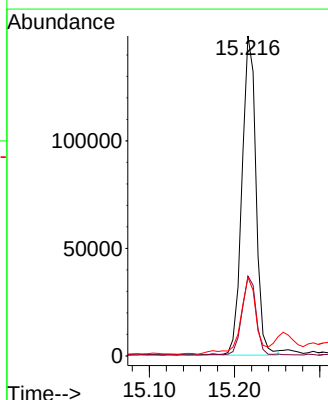
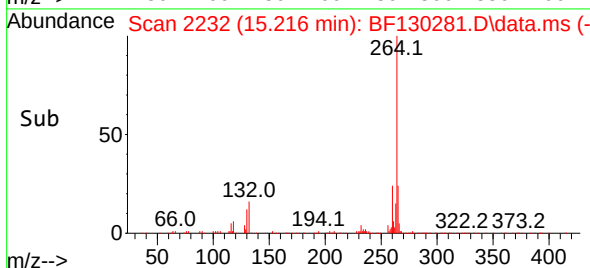
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

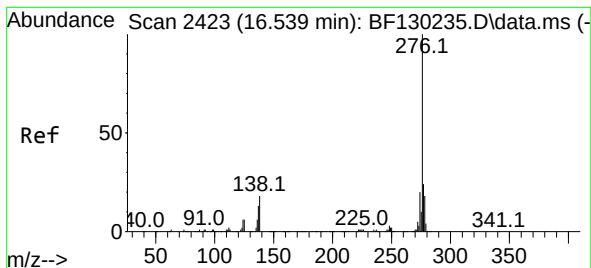


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.216 min Scan# 2232
Delta R.T. 0.006 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29



Tgt Ion:264 Resp: 169350
Ion Ratio Lower Upper
264 100
260 24.9 19.3 28.9
265 24.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.282 ng m

RT: 16.545 min Scan# 2423

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

CHRT-2046DL

Tgt Ion: 276 Resp: 147495

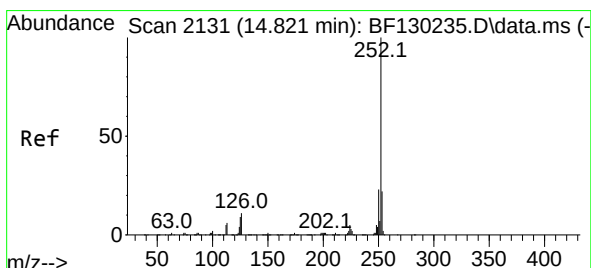
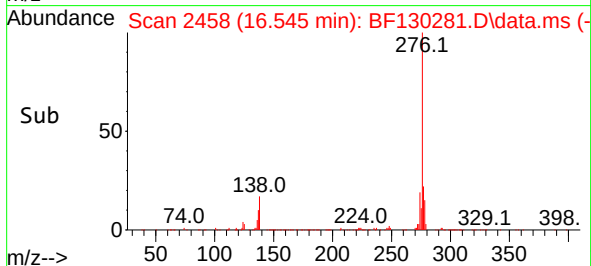
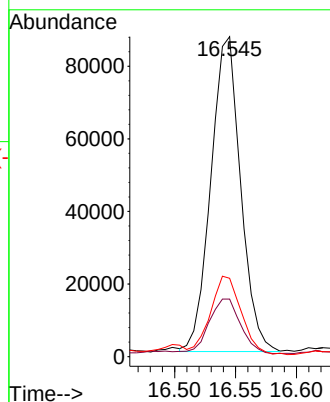
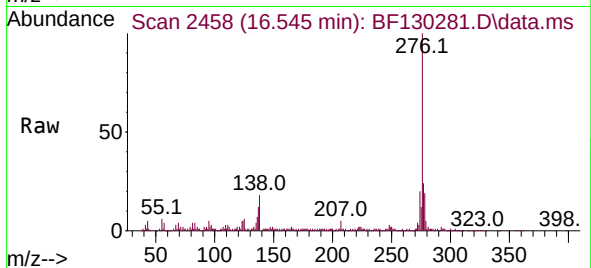
Ion	Ratio	Lower	Upper
276	100		
138	5.2	18.5	27.7
277	5.3	20.2	30.4

Manual Integrations

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Reviewed By : Christian Giraldo 09/16/2022

Supervised By : Jagrut Upadhyay 09/16/2022



#88

Benzo(b)fluoranthene

Concen: 40.857 ng m

RT: 14.828 min Scan# 2166

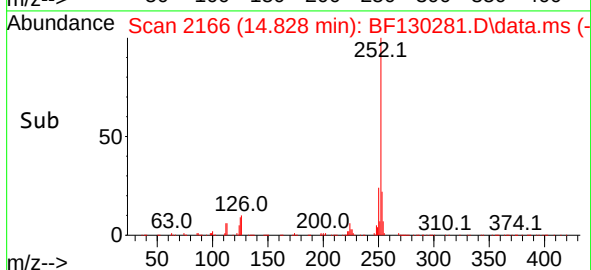
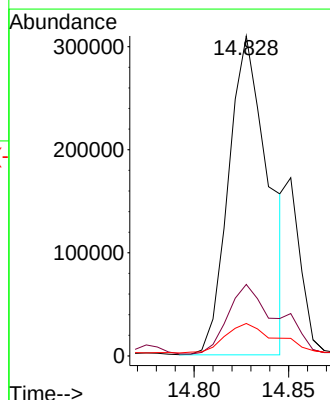
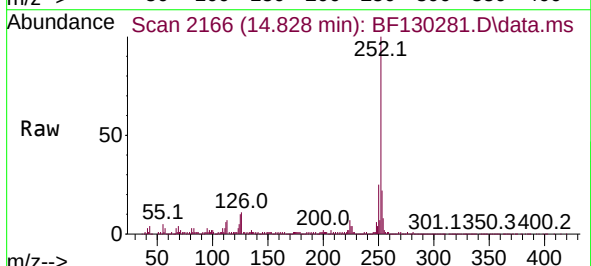
Delta R.T. 0.006 min

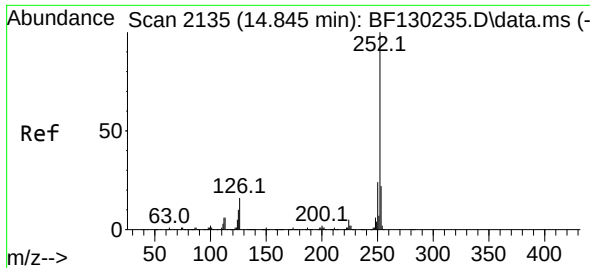
Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Tgt Ion: 252 Resp: 451608

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.1	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 8.738 ng m

RT: 14.851 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

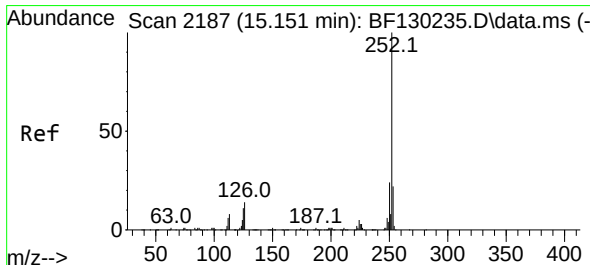
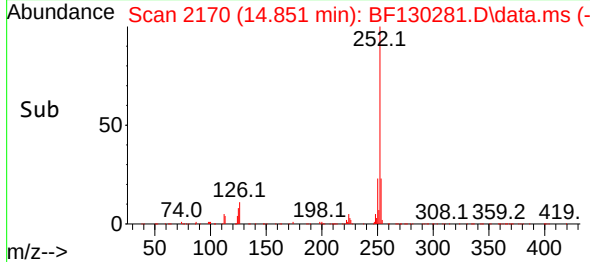
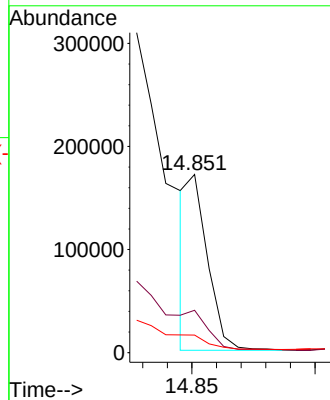
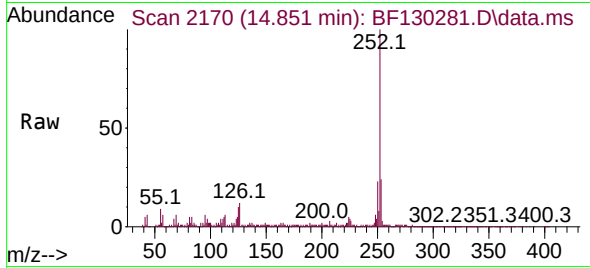
CHRT-2046DL

Tgt Ion:	252	Resp:	95012
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.4	26.2
125	9.8	7.9	11.9

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#90

Benzo(a)pyrene

Concen: 27.295 ng

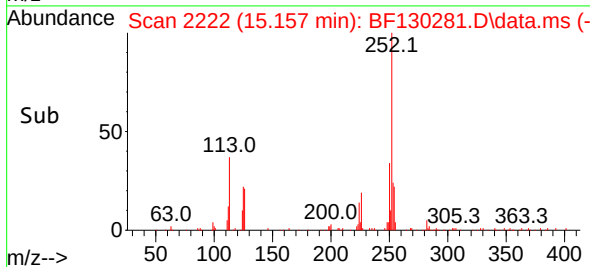
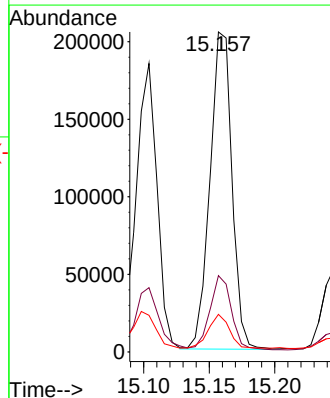
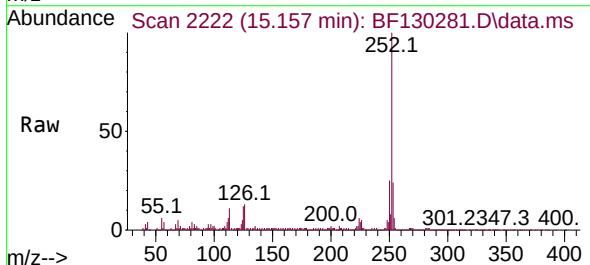
RT: 15.157 min Scan# 2222

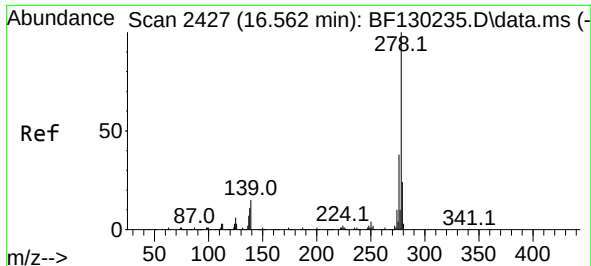
Delta R.T. 0.006 min

Lab File: BF130281.D

Acq: 15 Sep 2022 20:29

Tgt Ion:	252	Resp:	239022
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.6
125	11.7	9.0	13.6





#91
Dibenzo(a,h)anthracene
Concen: 3.896 ng
RT: 16.551 min Scan# 2427
Delta R.T. -0.011 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Instrument :

BNA_F

ClientSampleId :

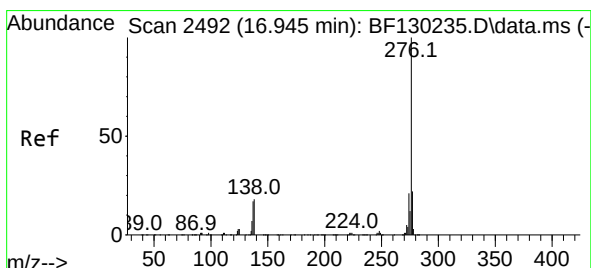
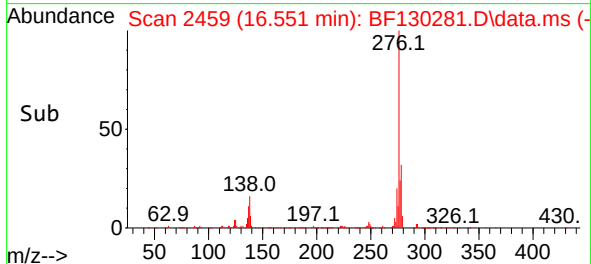
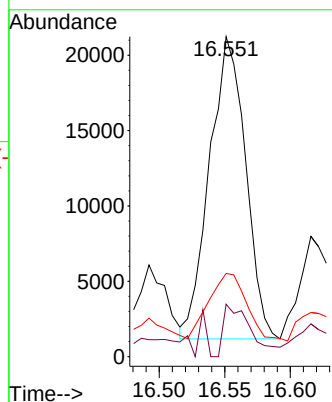
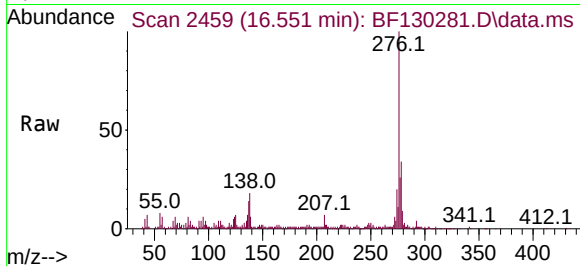
CHRT-2046DL

Tgt Ion:278 Resp: 38379
Ion Ratio Lower Upper
278 100
139 19.5 11.8 17.8
279 26.0 19.4 29.0

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 14.581 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF130281.D
Acq: 15 Sep 2022 20:29

Tgt Ion:276 Resp: 144703
Ion Ratio Lower Upper
276 100
277 24.8 18.6 27.8
138 18.5 14.6 21.8

