

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127513.D
 Acq On : 24 Mar 2022 20:16
 Operator : CG\JU
 Sample : N1958-07DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 25 02:16:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88643	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	323656	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	173597	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	260594	20.000	ng	0.00
76) Chrysene-d12	14.021	240	201435	20.000	ng	0.00
86) Perylene-d12	15.509	264	200984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	57487	10.352	ng	0.01
7) Phenol-d6	6.492	99	78404	10.329	ng	0.00
23) Nitrobenzene-d5	7.416	82	50752	6.703	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	13955	7.546	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	100371	8.443	ng	0.00
79) Terphenyl-d14	12.957	244	78837	6.407	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	257968	18.988	ng	98
72) Anthracene	11.451	178	74197	5.503	ng	98
75) Fluoranthene	12.592	202	580570	38.852	ng	98
78) Pyrene	12.827	202	523054	30.256	ng	99
81) Benzo(a)anthracene	14.015	228	267211m	19.836	ng	
83) Chrysene	14.051	228	237790m	18.641	ng	
87) Indeno(1,2,3-cd)pyrene	17.009	276	107681	7.918	ng	99
88) Benzo(b)fluoranthene	15.074	252	312069m	24.626	ng	
89) Benzo(k)fluoranthene	15.098	252	94011m	7.156	ng	
90) Benzo(a)pyrene	15.445	252	227175	21.844	ng	97
92) Benzo(g,h,i)perylene	17.468	276	98117	8.454	ng	97

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

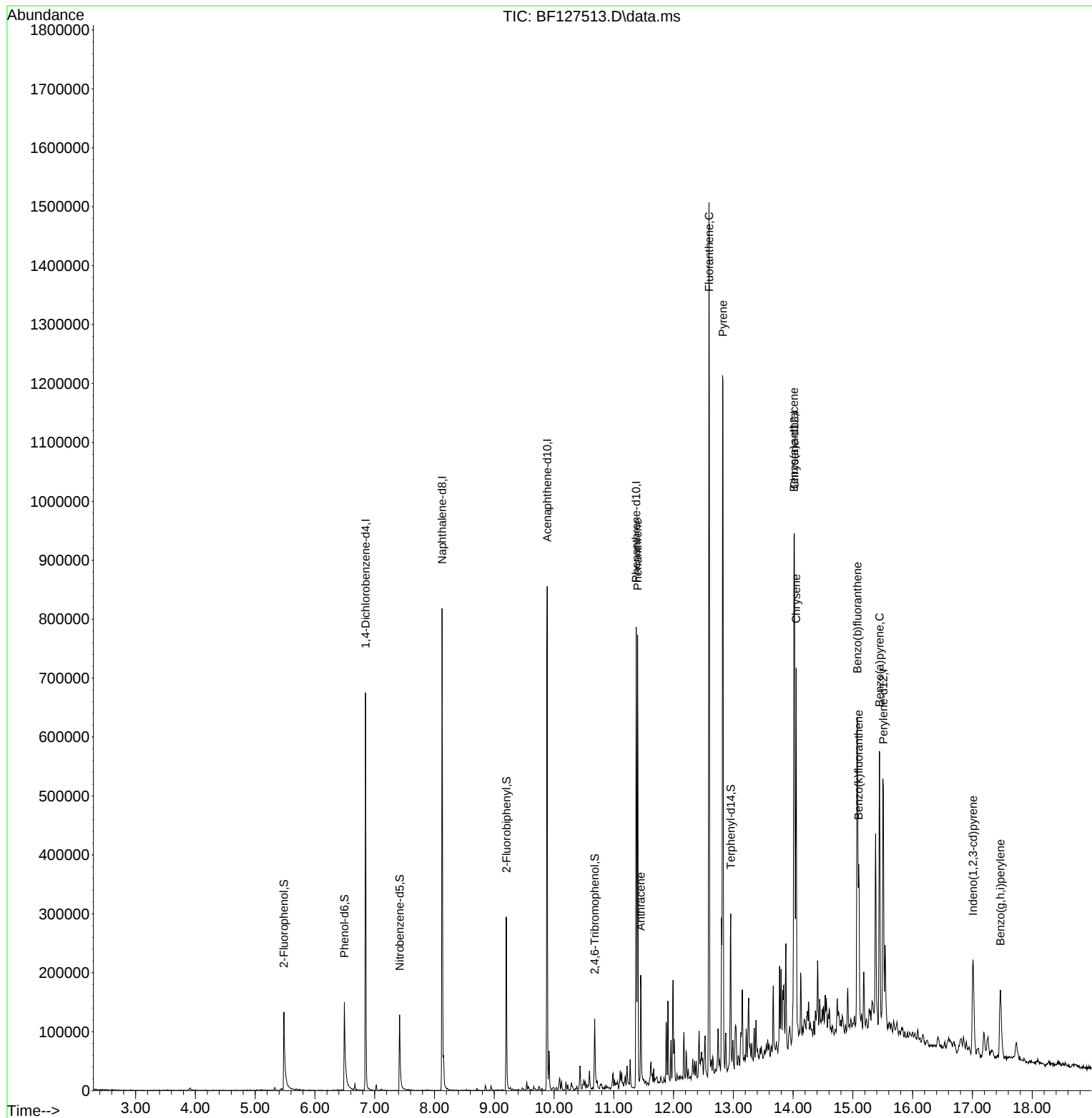
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
Data File : BF127513.D
Acq On : 24 Mar 2022 20:16
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ALS Vial : 20 Sample Multiplier: 1

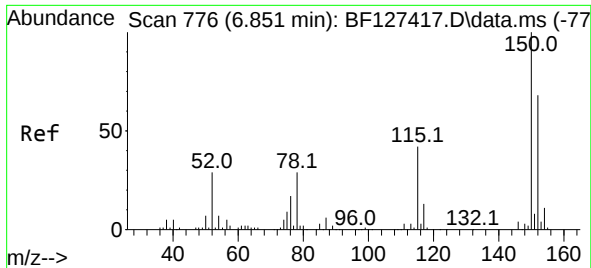
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

Quant Time: Mar 25 02:16:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 22 02:16:33 2022
Response via : Initial Calibration

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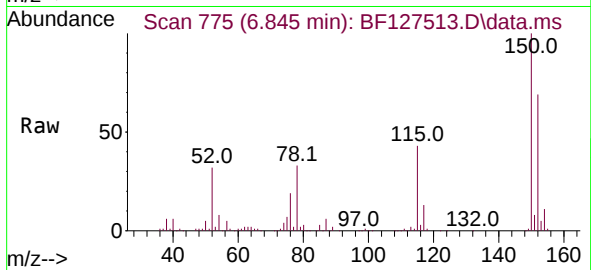
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

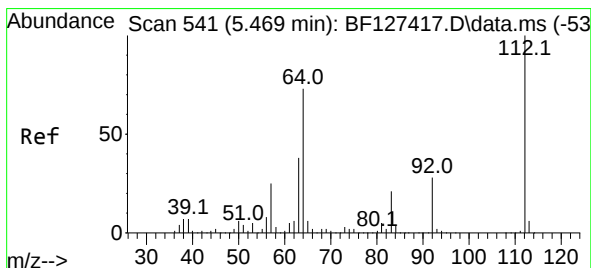
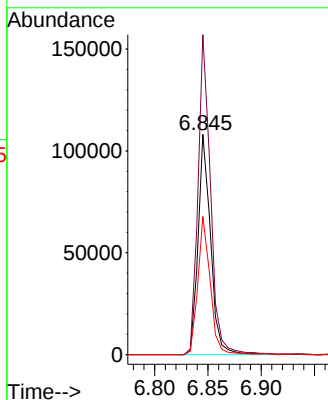
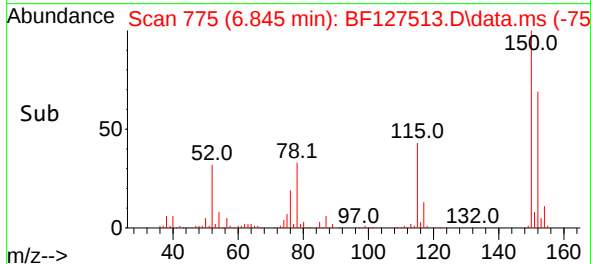
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



Tgt Ion:152 Resp: 88643
Ion Ratio Lower Upper
152 100
150 145.3 117.2 175.8
115 62.7 49.8 74.6

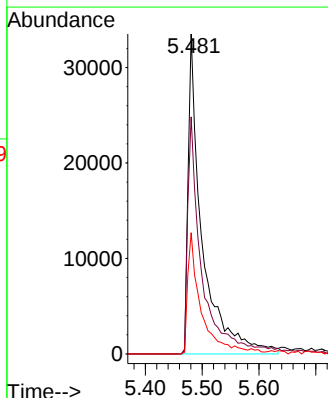
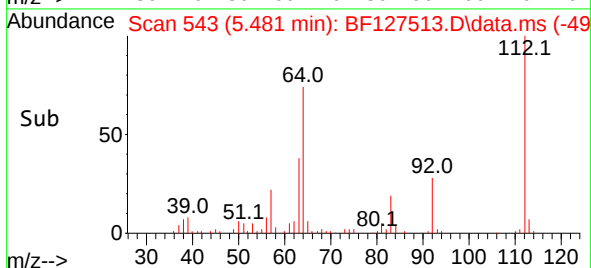
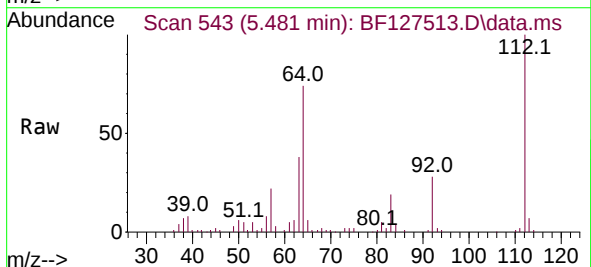
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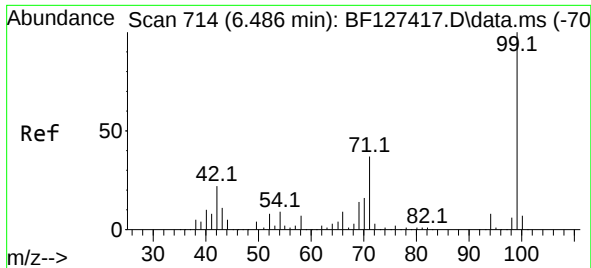
Reviewed By :Christian Giraldo 03/25/2022
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#5
2-Fluorophenol
Concen: 10.352 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.012 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

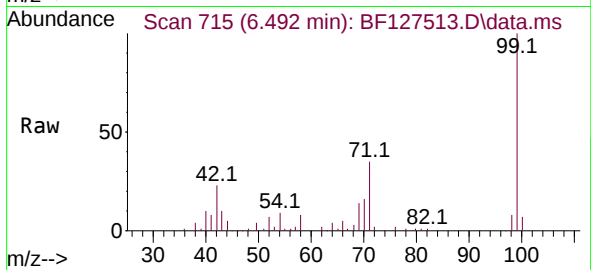
Tgt Ion:112 Resp: 57487
Ion Ratio Lower Upper
112 100
64 74.1 58.4 87.6
63 37.9 30.1 45.1





#7
Phenol-d6
Concen: 10.329 ng
RT: 6.492 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

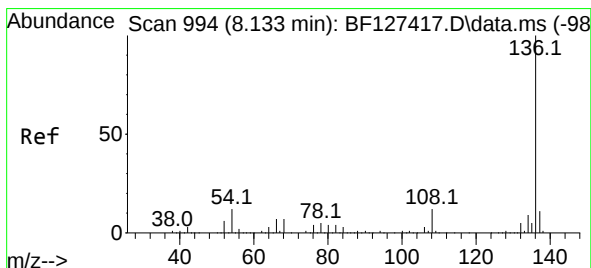
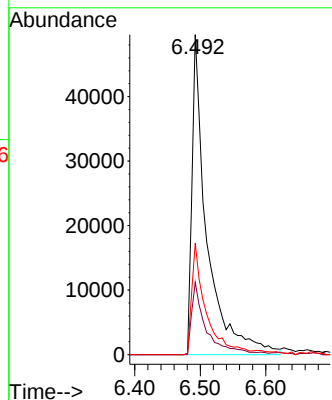
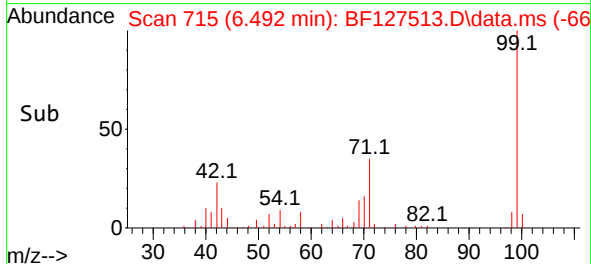
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



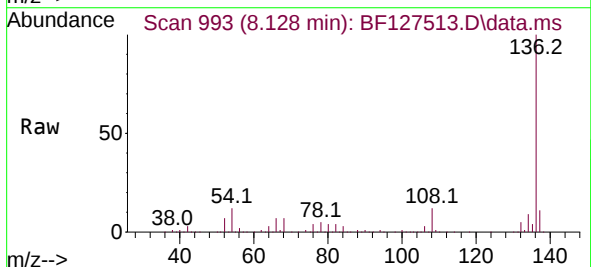
Tgt Ion: 99 Resp: 78404
Ion Ratio Lower Upper
99 100
42 22.6 17.8 26.6
71 34.9 29.6 44.4

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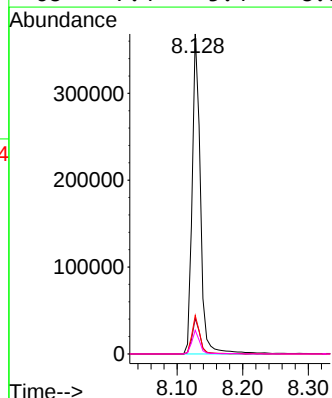
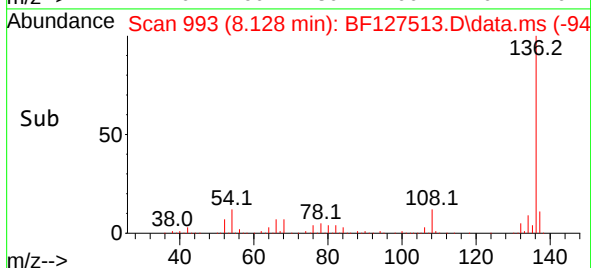
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

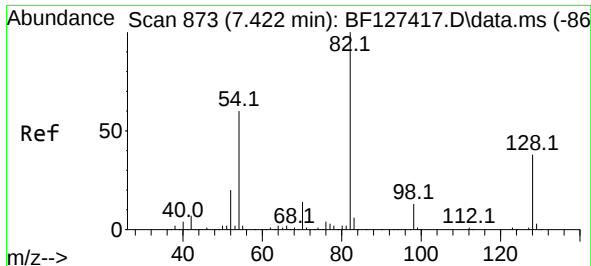


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16



Tgt Ion:136 Resp: 323656
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 12.0 9.2 13.8
68 7.4 5.4 8.0





#23

Nitrobenzene-d5

Concen: 6.703 ng

RT: 7.416 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

Tgt Ion: 82 Resp: 50752

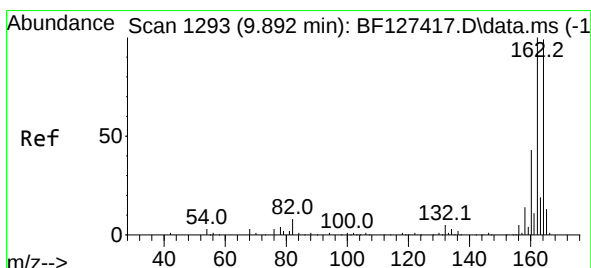
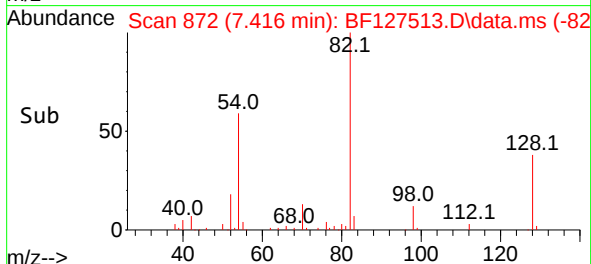
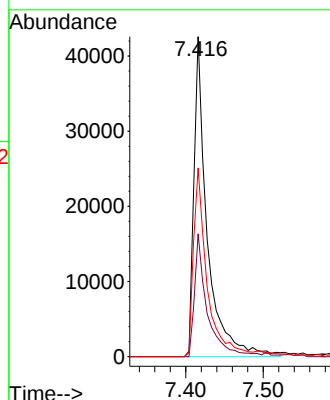
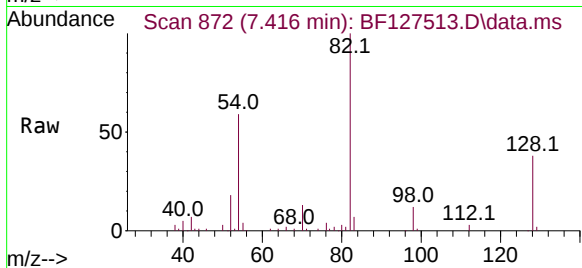
Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.6	45.8
54	59.0	48.2	72.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1292

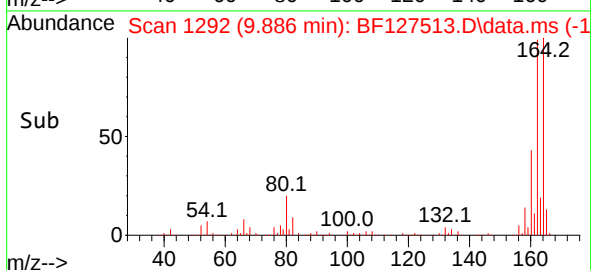
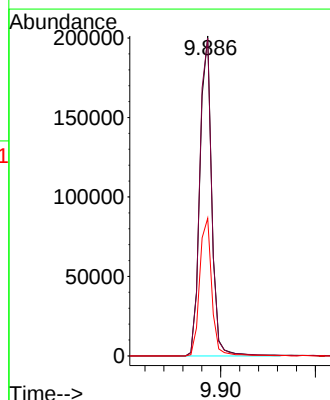
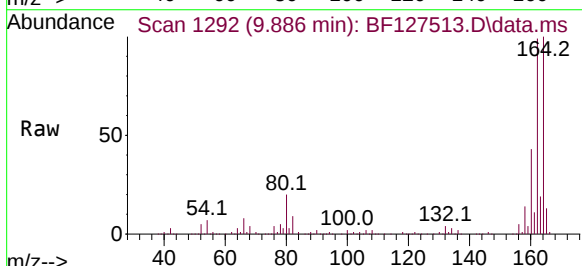
Delta R.T. -0.006 min

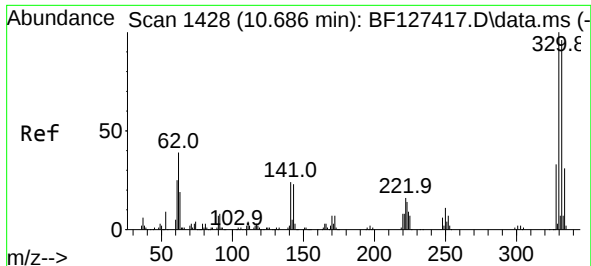
Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Tgt Ion:164 Resp: 173597

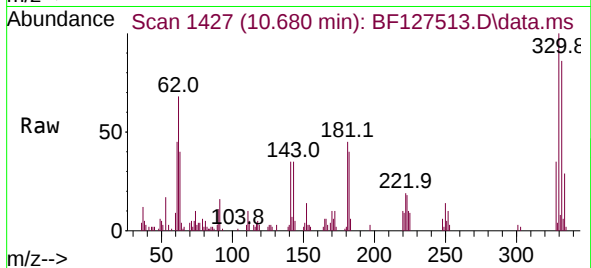
Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.2	121.8
160	43.0	34.6	52.0





#42
2,4,6-Tribromophenol
Concen: 7.546 ng
RT: 10.680 min Scan# 1428
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

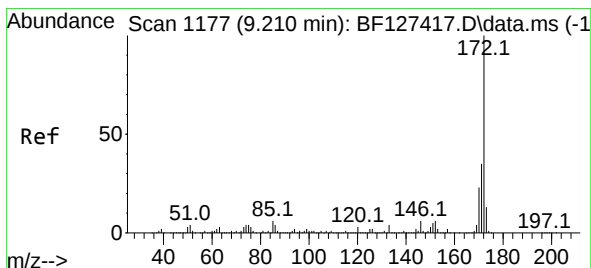
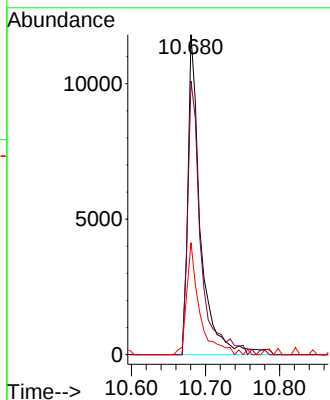
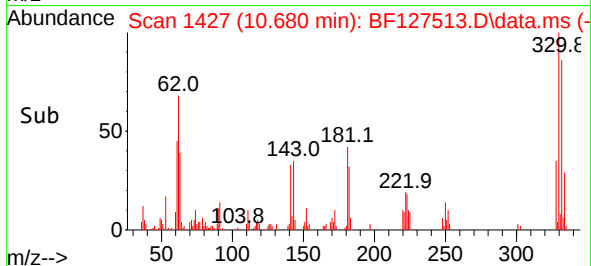
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



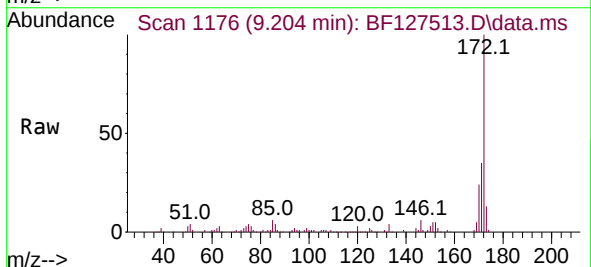
Tgt Ion: 330 Resp: 13958
Ion Ratio Lower Upper
330 100
332 89.6 79.1 118.7
141 35.4 26.2 39.4

Manual Integrations
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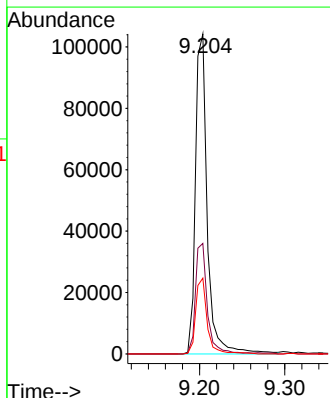
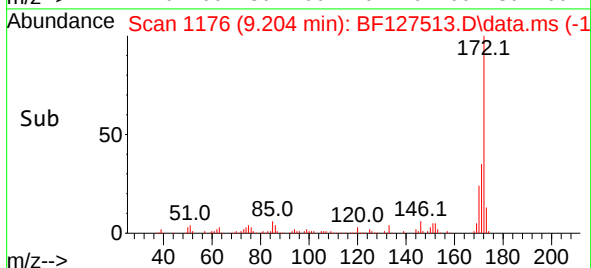
Reviewed By : Christian Giraldo 03/25/2022
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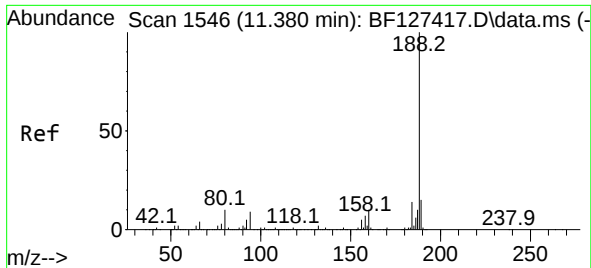


#45
2-Fluorobiphenyl
Concen: 8.443 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16



Tgt Ion: 172 Resp: 100371
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.7 18.6 27.8





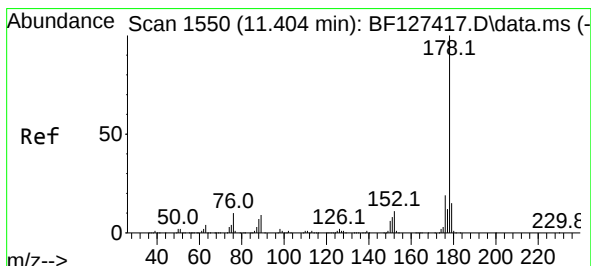
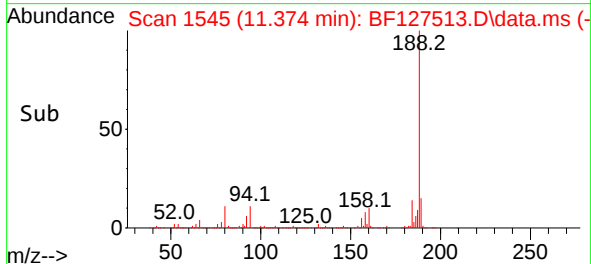
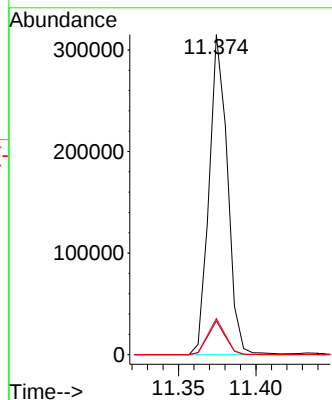
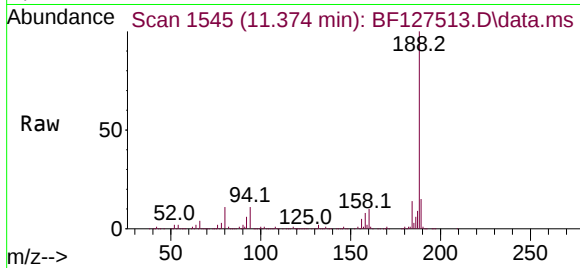
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

Tgt Ion:188 Resp: 260594
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.0
80 11.3 8.0 12.0

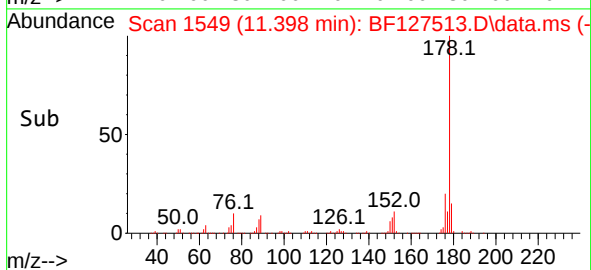
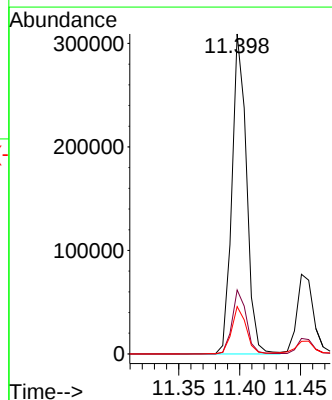
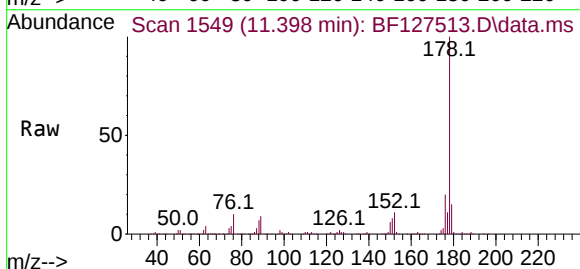
Manual Integrations
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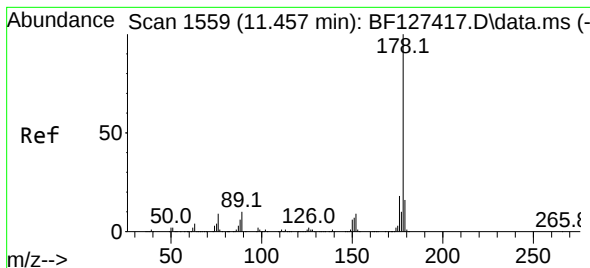
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#71
Phenanthrene
Concen: 18.988 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

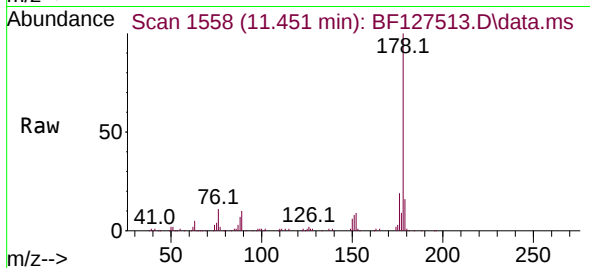
Tgt Ion:178 Resp: 257968
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 14.8 12.4 18.6





#72
 Anthracene
 Concen: 5.503 ng
 RT: 11.451 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

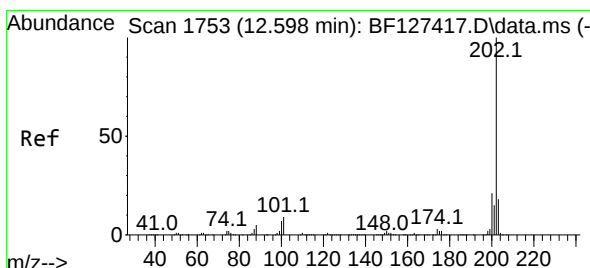
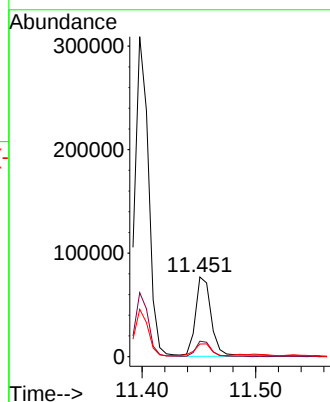
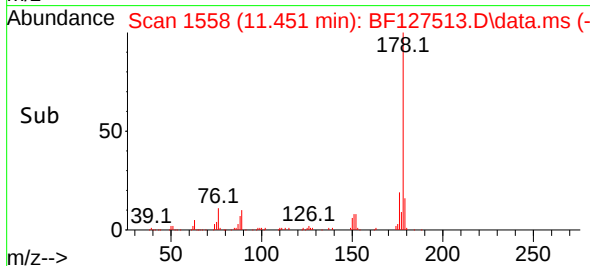
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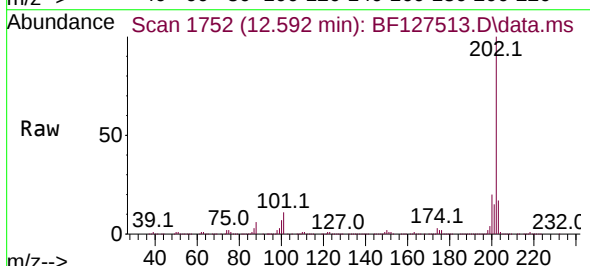
Tgt Ion:178 Resp: 74197
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.6 22.0
 179 15.8 12.4 18.6

Manual Integrations
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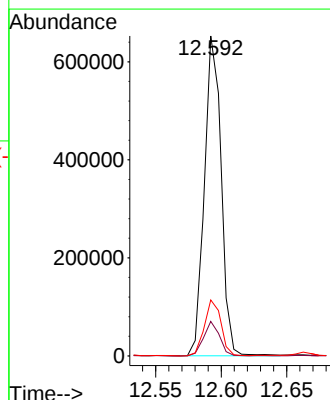
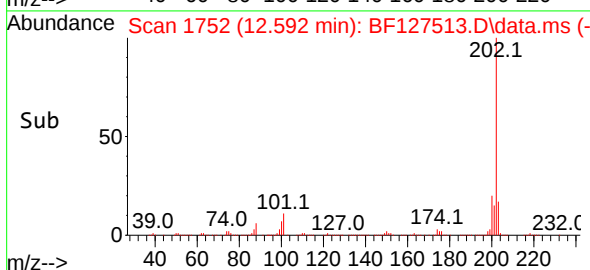
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022

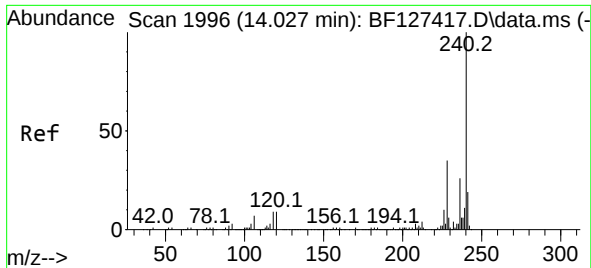


#75
 Fluoranthene
 Concen: 38.852 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16



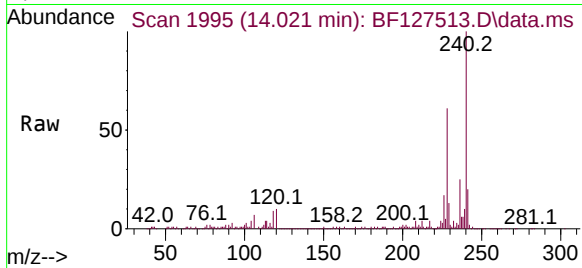
Tgt Ion:202 Resp: 580570
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.0
 203 17.5 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

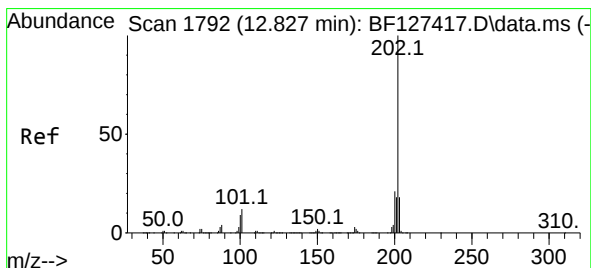
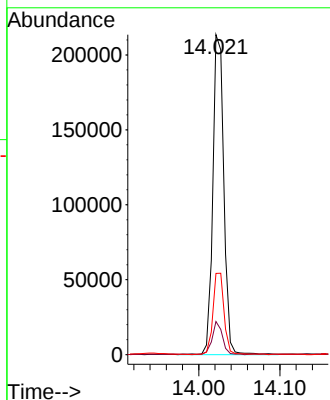
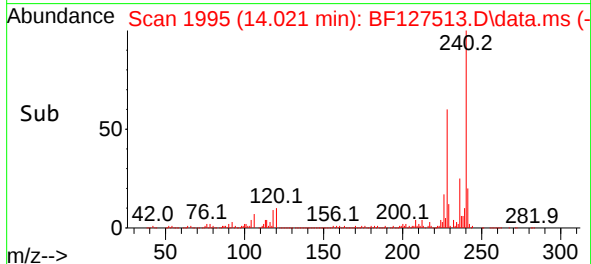
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



Tgt Ion:240 Resp: 201435
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 25.4 20.7 31.1

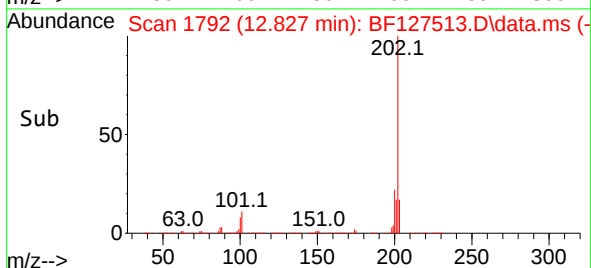
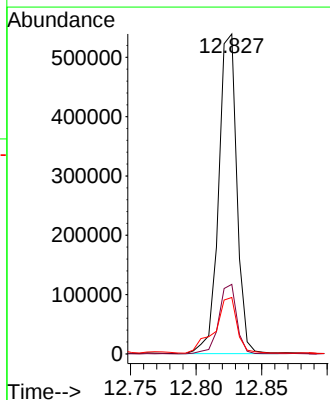
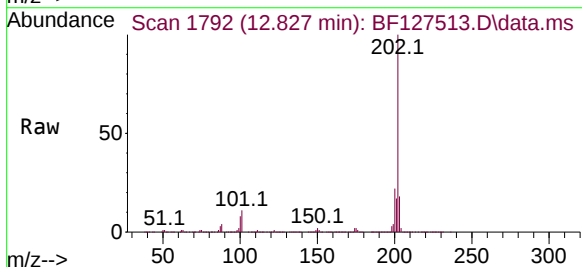
Manual Integrations
APPROVED

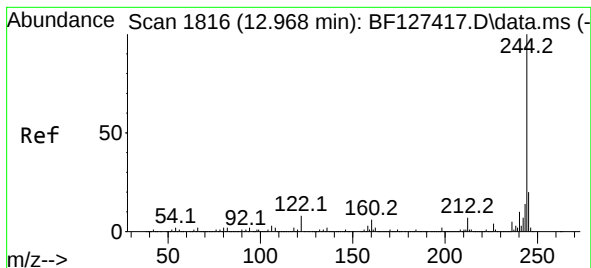
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#78
Pyrene
Concen: 30.256 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:202 Resp: 523054
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 6.407 ng

RT: 12.957 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

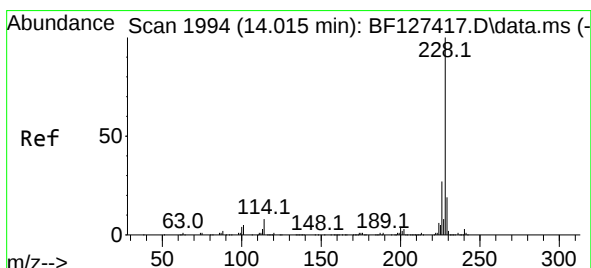
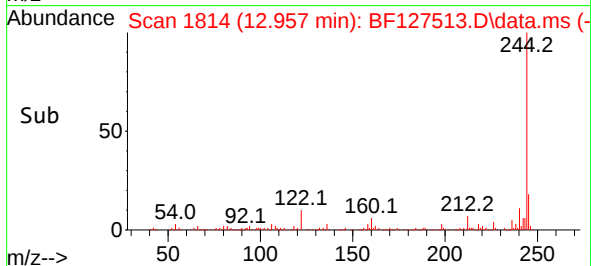
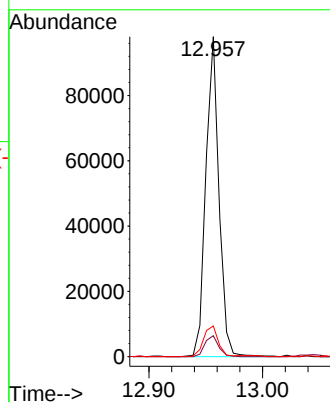
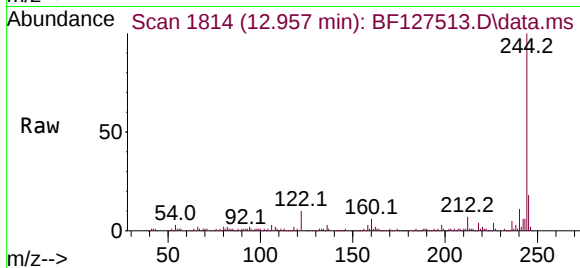
Tgt Ion:	244	Resp:	7883
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.7	8.5
122	9.6	6.2	9.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#81

Benzo(a)anthracene

Concen: 19.836 ng m

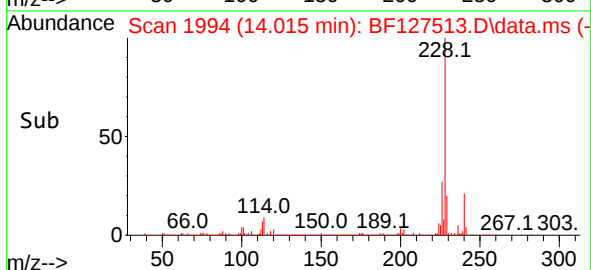
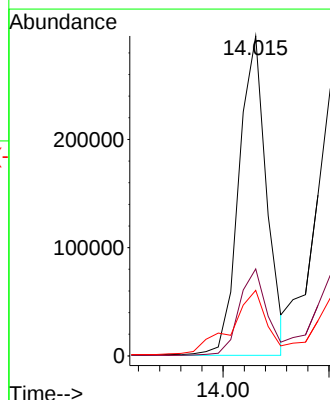
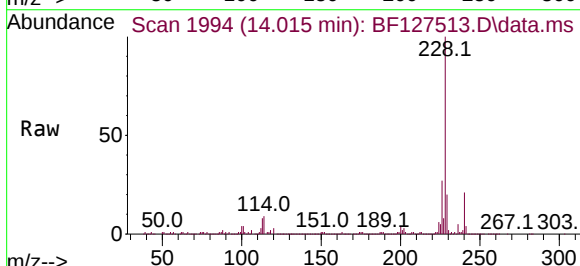
RT: 14.015 min Scan# 1994

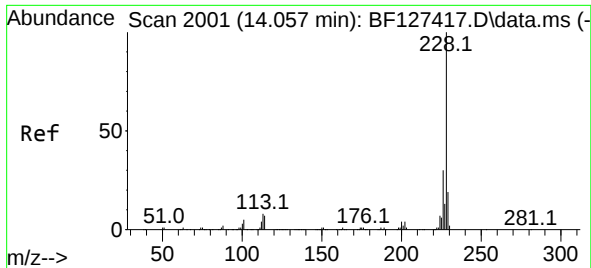
Delta R.T. -0.000 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

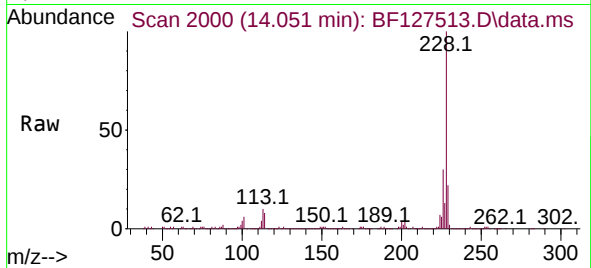
Tgt Ion:	228	Resp:	267211
Ion Ratio	Lower	Upper	
228	100		
226	27.2	21.6	32.4
229	20.5	15.4	23.2





#83
Chrysene
Concen: 18.641 ng m
RT: 14.051 min Scan# 2001
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

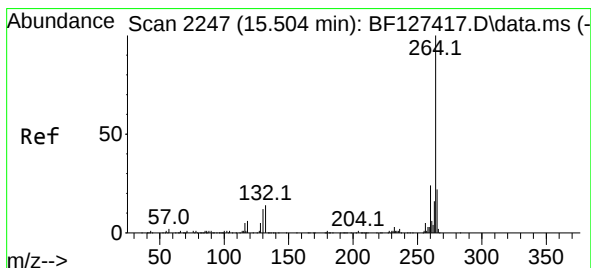
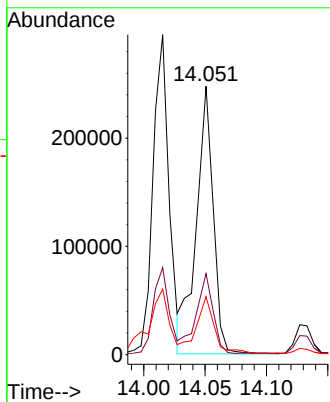
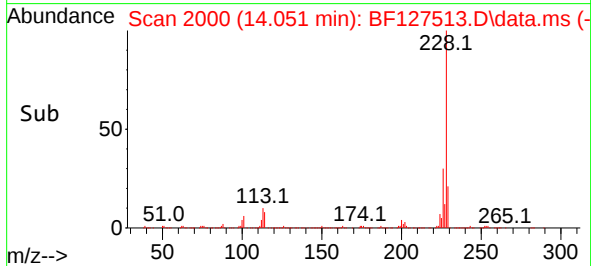
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



Tgt Ion:228 Resp: 237790
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 21.6 15.4 23.2

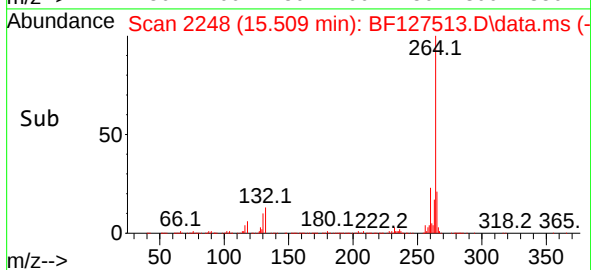
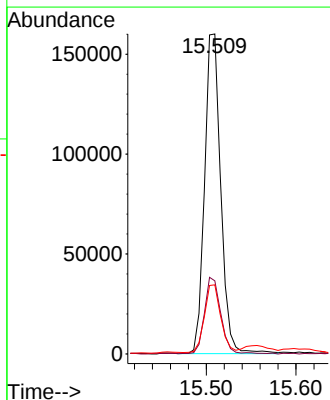
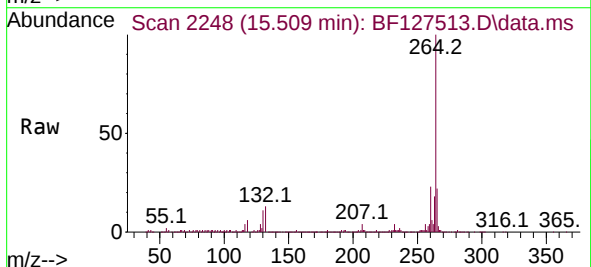
Manual Integrations
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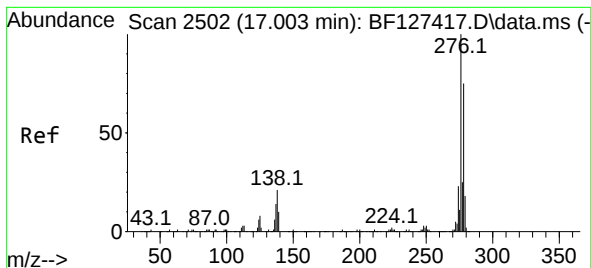
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:264 Resp: 200984
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.918 ng

RT: 17.009 min Scan# 2174

Delta R.T. 0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

Tgt Ion:276 Resp: 10768

Ion Ratio Lower Upper

276 100

138 20.4 17.1 25.7

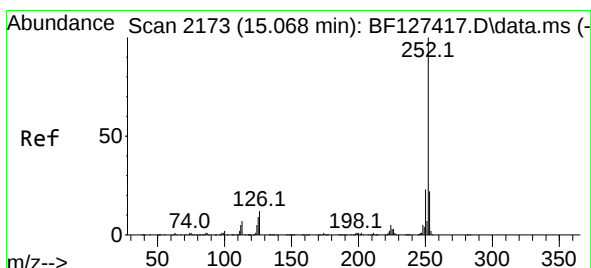
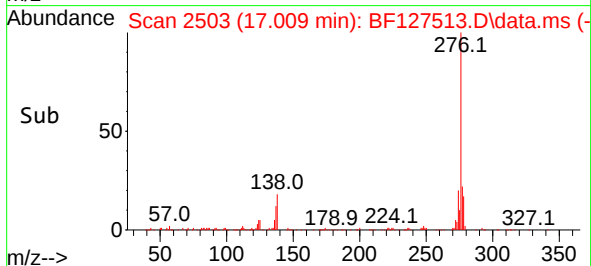
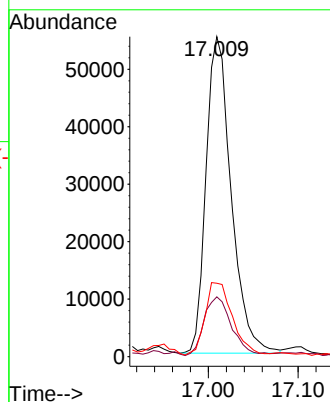
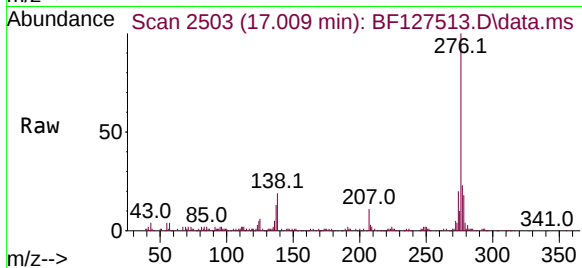
277 24.7 19.9 29.9

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Reviewed By :Christian Giraldo 03/25/2022

Supervised By :Jagrut Upadhyay 03/25/2022



#88

Benzo(b)fluoranthene

Concen: 24.626 ng m

RT: 15.074 min Scan# 2174

Delta R.T. 0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

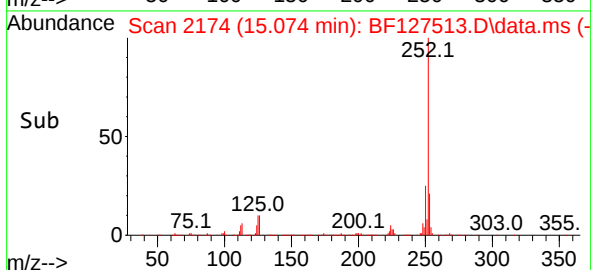
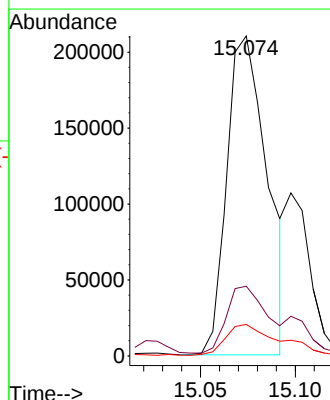
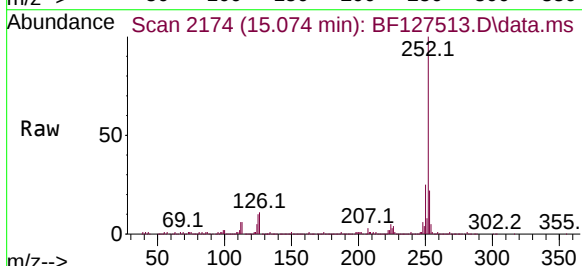
Tgt Ion:252 Resp: 312069

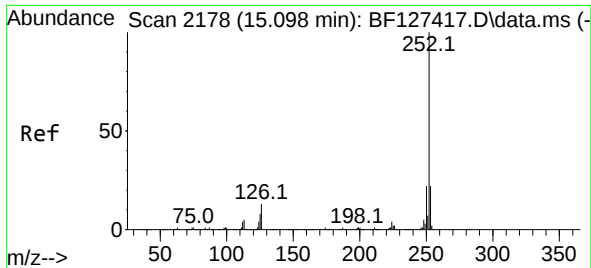
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

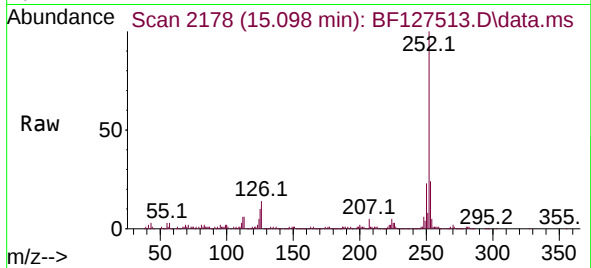
125 9.8 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 7.156 ng m
RT: 15.098 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

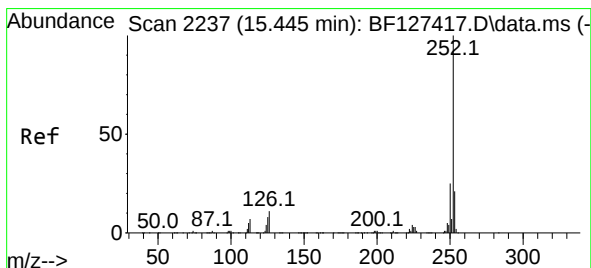
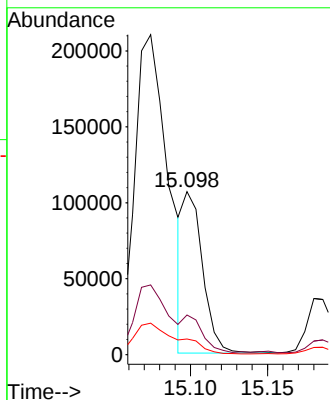
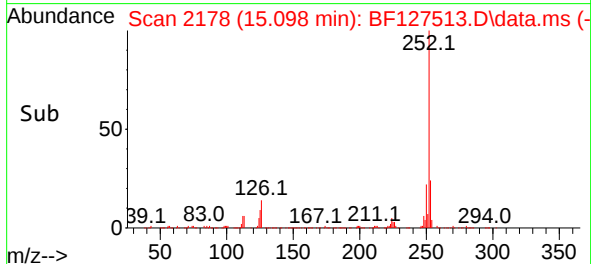
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL



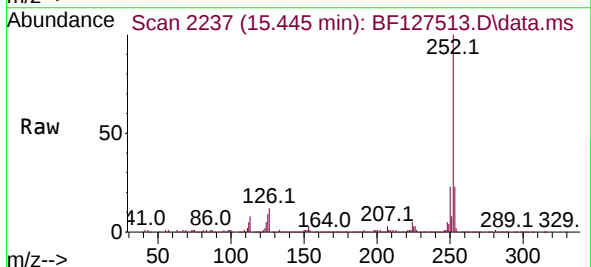
Tgt Ion:252 Resp: 94011
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 9.6 6.9 10.3

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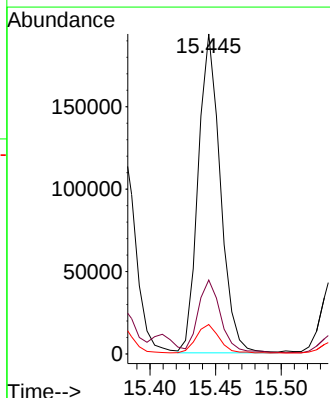
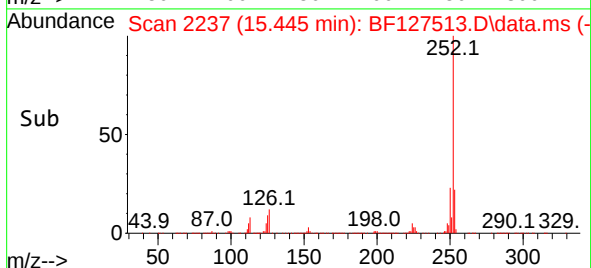
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

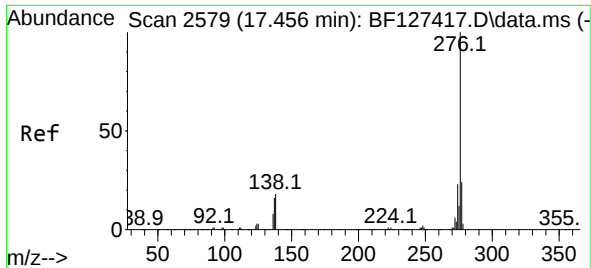


#90
Benzo(a)pyrene
Concen: 21.844 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16



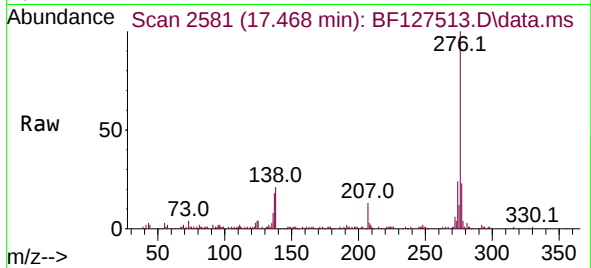
Tgt Ion:252 Resp: 227175
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 9.2 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 8.454 ng
 RT: 17.468 min Scan# 2581
 Delta R.T. 0.012 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL



Tgt Ion:	276	Resp:	9811
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.0	28.4
138	20.7	14.6	22.0

Manual Integrations
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Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022

