

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
 Data File : BF127575.D
 Acq On : 29 Mar 2022 19:49
 Operator : CG\JU
 Sample : N2155-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L076-A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

Quant Time: Mar 30 08:32:45 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 29 07:13:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	77071	20.00	ng	0.00
21) Naphthalene-d8	8.116	136	270071	20.00	ng	0.00
39) Acenaphthene-d10	9.869	164	147029	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	209535	20.00	ng	0.00
76) Chrysene-d12	14.010	240	184241	20.00	ng	# 0.00
86) Perylene-d12	15.492	264	183361	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	34353	7.11	ng	0.02
7) Phenol-d6	6.475	99	404098	61.23	ng	0.00
23) Nitrobenzene-d5	7.398	82	360455	57.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	3169	2.02	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	594457	59.04	ng	0.00
79) Terphenyl-d14	12.945	244	491585	43.68	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	137049	12.55	ng	100
72) Anthracene	11.439	178	30763	2.84	ng	99
75) Fluoranthene	12.580	202	148245	12.34	ng	98
78) Pyrene	12.810	202	137819	8.72	ng	98
81) Benzo(a)anthracene	14.004	228	72698	5.90	ng	99
83) Chrysene	14.039	228	61628	5.28	ng	99
84) Bis(2-ethylhexyl)phtha...	13.969	149	16668	2.77	ng	90
88) Benzo(b)fluoranthene	15.063	252	67251m	5.82	ng	
89) Benzo(k)fluoranthene	15.092	252	26556m	2.22	ng	
90) Benzo(a)pyrene	15.439	252	51463	5.42	ng	# 95

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

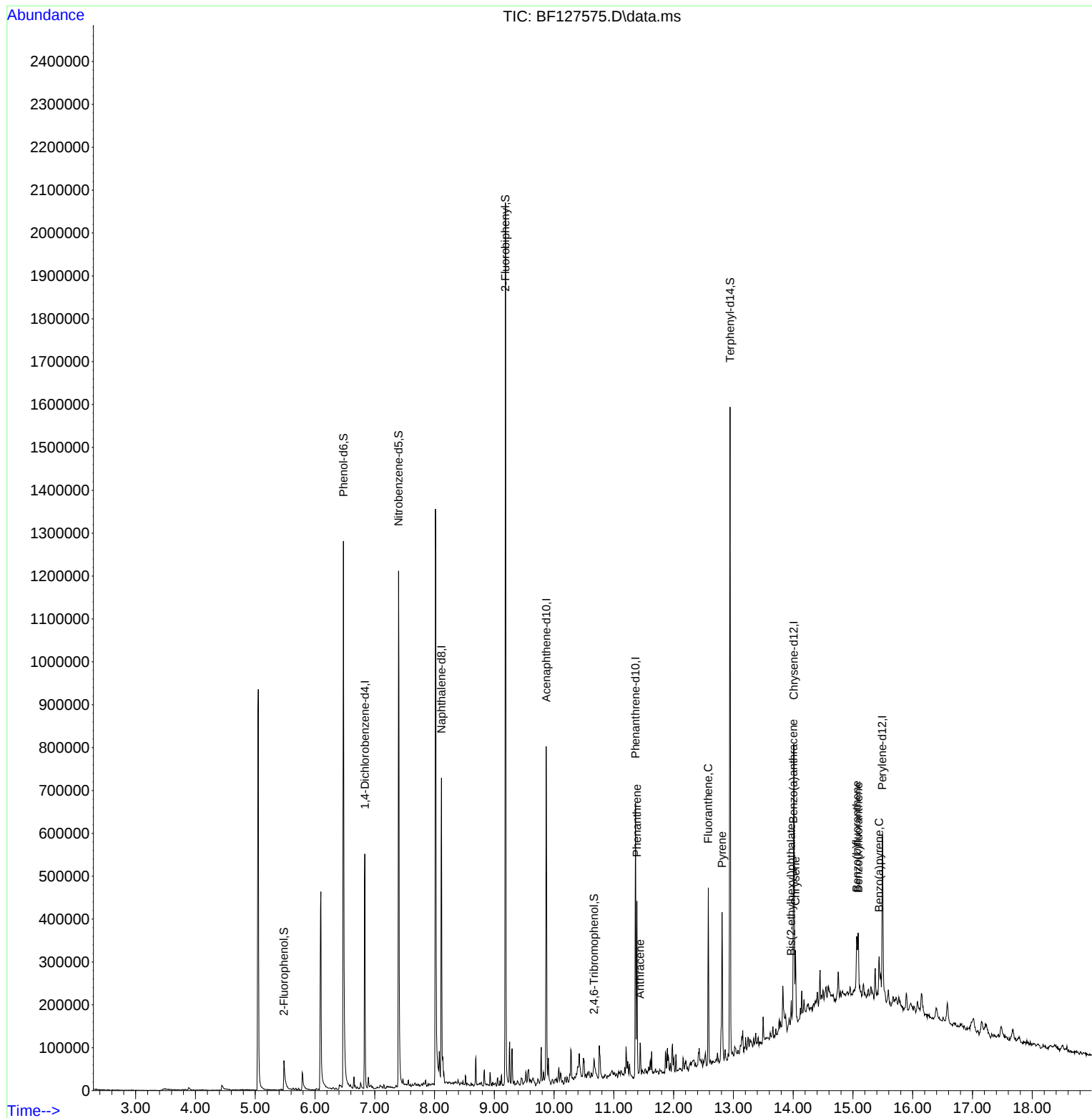
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032922\
Data File : BF127575.D
Acq On : 29 Mar 2022 19:49
Operator : CG\JU
Sample : N2155-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

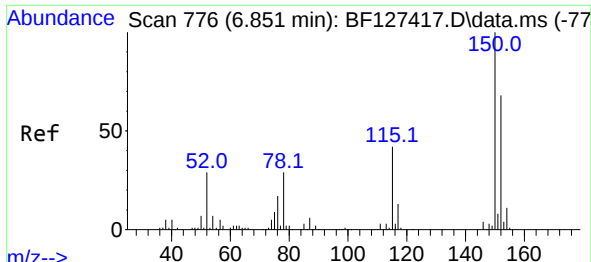
Instrument :
BNA_F
ClientSampleId :
22L076-A

Quant Time: Mar 30 08:32:45 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 29 07:13:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

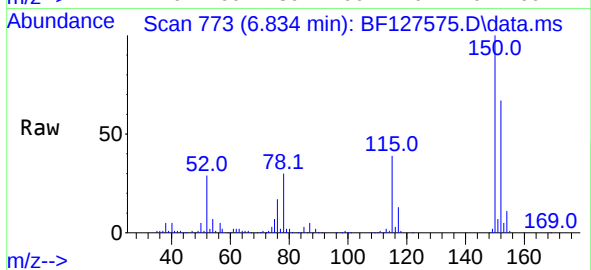
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

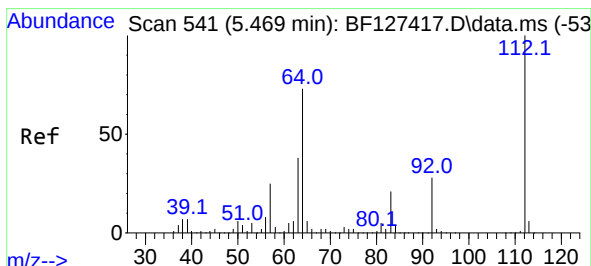
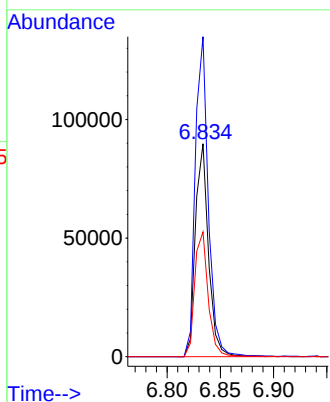
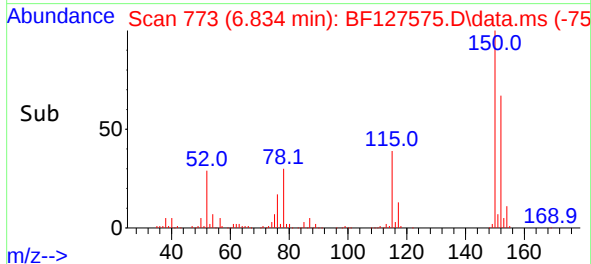
Instrument :
BNA_F
ClientSampleId :
22L076-A



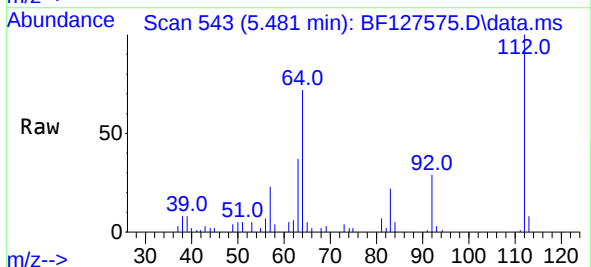
Tgt Ion:152 Resp: 7707
Ion Ratio Lower Upper
152 100
150 150.2 117.2 175.8
115 58.6 49.8 74.6

Manual Integrations
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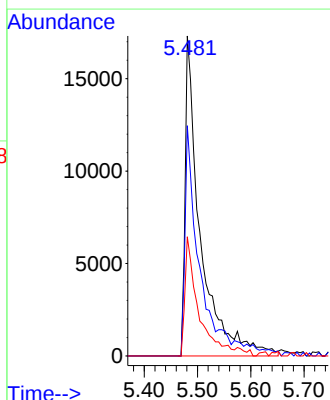
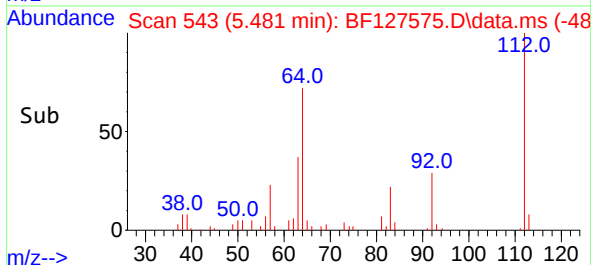
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

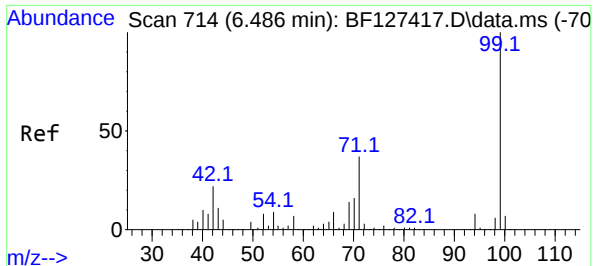


#5
2-Fluorophenol
Concen: 7.11 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.024 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49



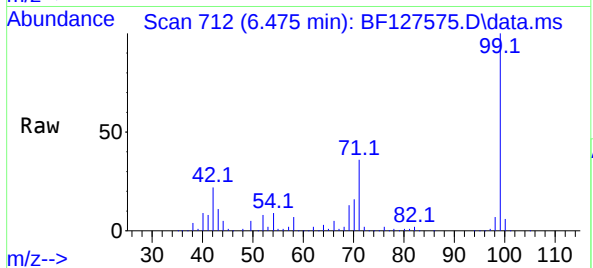
Tgt Ion:112 Resp: 34353
Ion Ratio Lower Upper
112 100
64 72.0 58.4 87.6
63 37.3 30.1 45.1





#7
Phenol-d6
Concen: 61.23 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

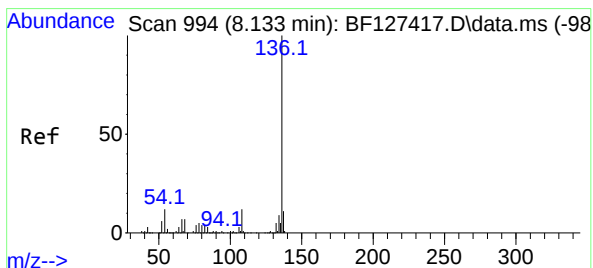
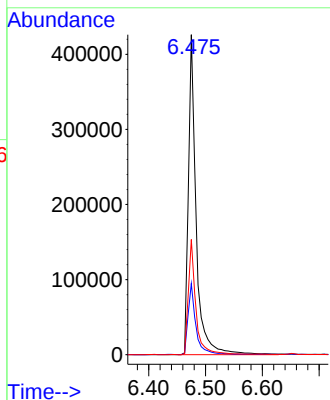
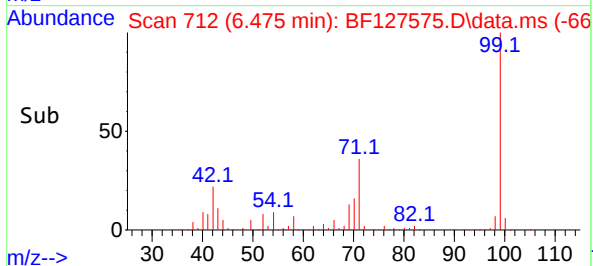
Instrument :
BNA_F
ClientSampleId :
22L076-A



Tgt Ion: 99 Resp: 404098
Ion Ratio Lower Upper
99 100
42 22.2 17.8 26.6
71 36.0 29.6 44.4

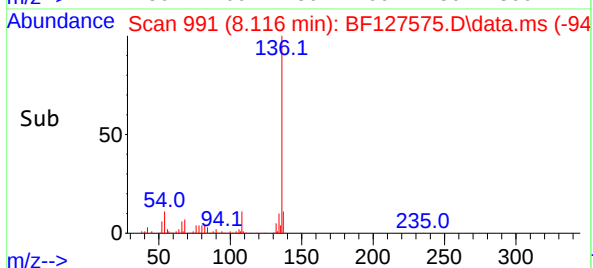
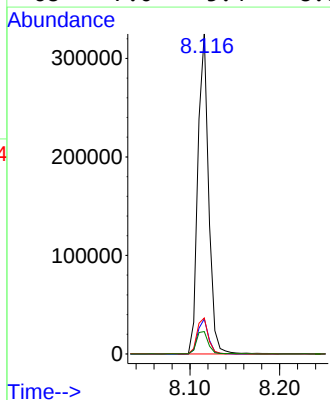
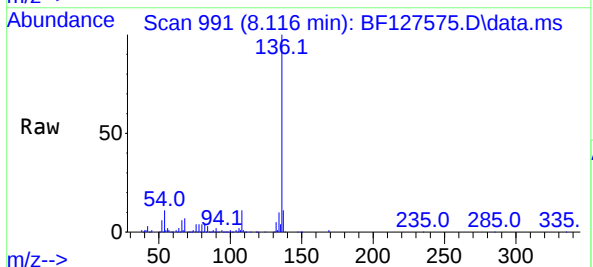
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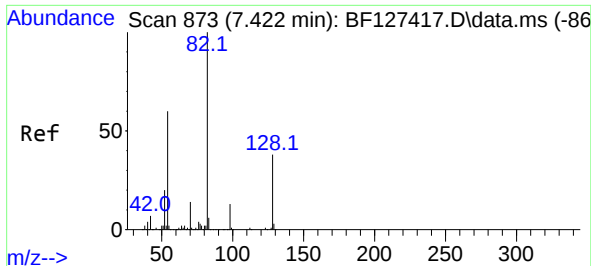
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:136 Resp: 270071
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.3 9.2 13.8
68 7.0 5.4 8.0





#23

Nitrobenzene-d5

Concen: 57.05 ng

RT: 7.398 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

Tgt Ion: 82 Resp: 36045

Ion Ratio Lower Upper

82 100

128 37.6 30.6 45.8

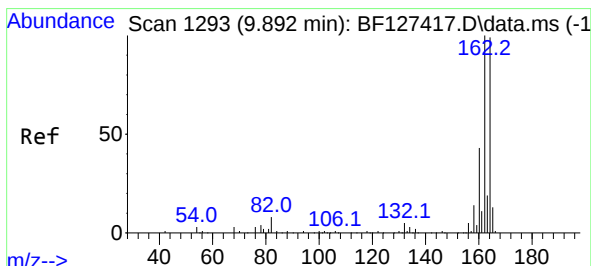
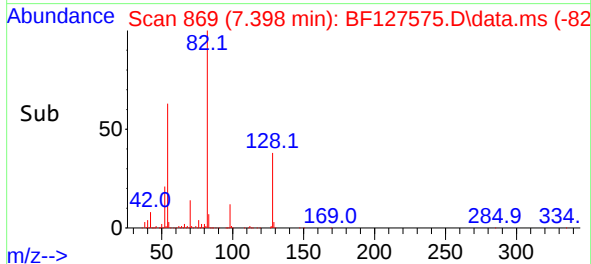
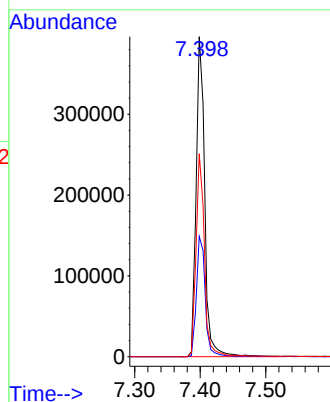
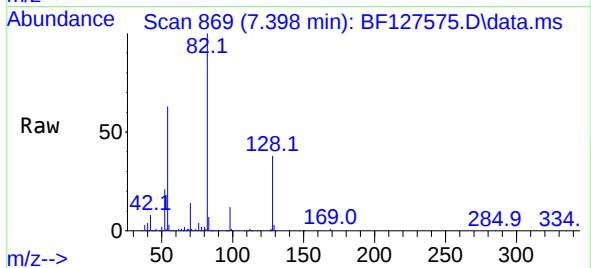
54 63.4 48.2 72.2

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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

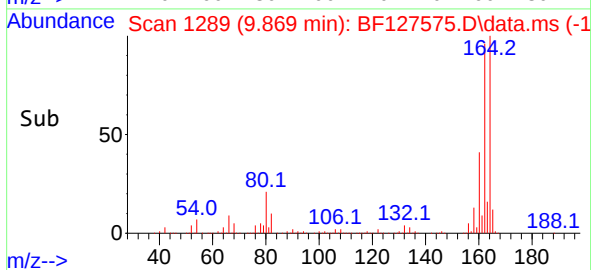
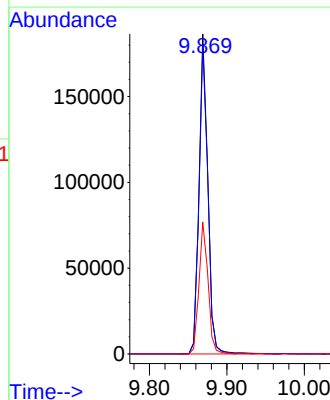
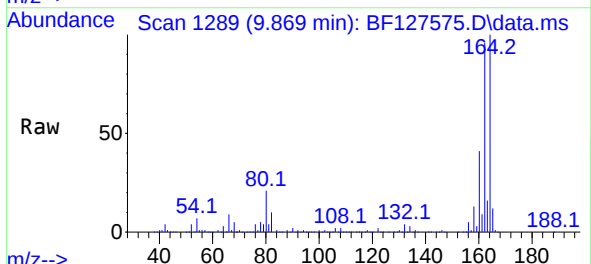
Tgt Ion:164 Resp: 147029

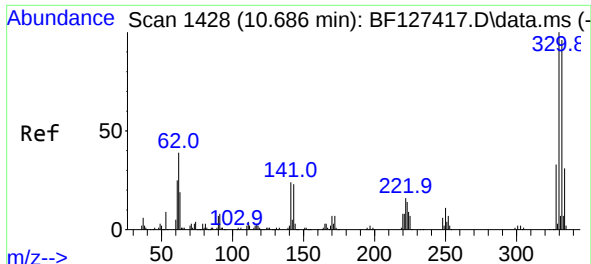
Ion Ratio Lower Upper

164 100

162 96.3 81.2 121.8

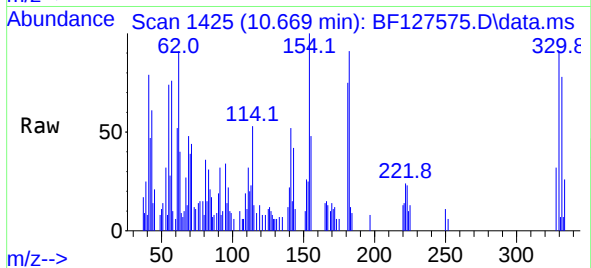
160 41.2 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 2.02 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

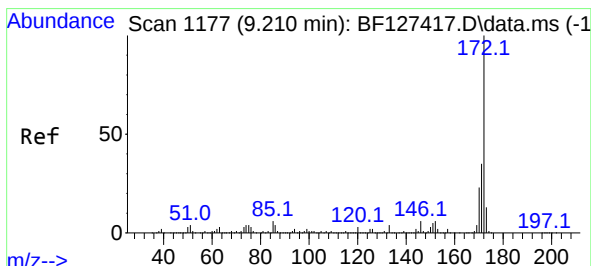
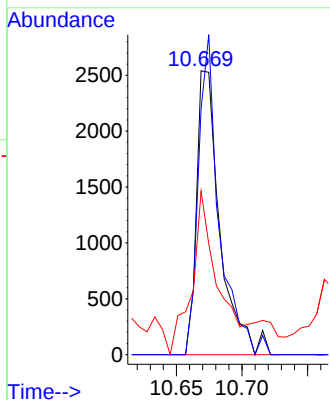
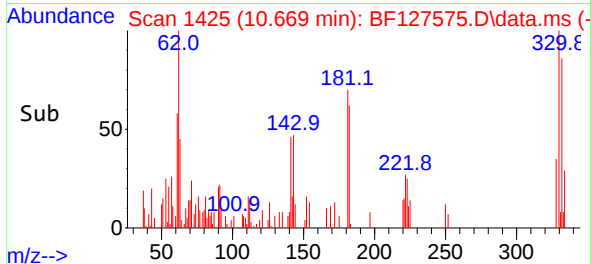
Instrument :
BNA_F
ClientSampleId :
22L076-A



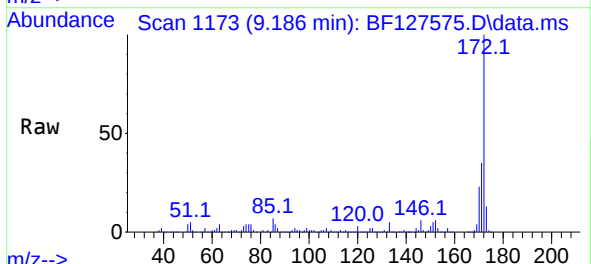
Tgt Ion: 330 Resp: 3169
Ion Ratio Lower Upper
330 100
332 99.6 79.1 118.7
141 64.8 26.2 39.4

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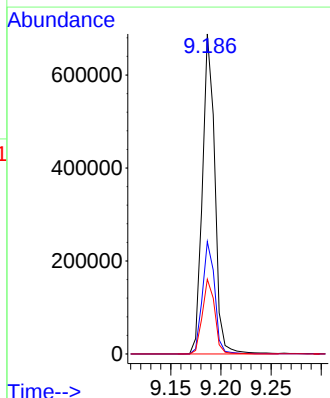
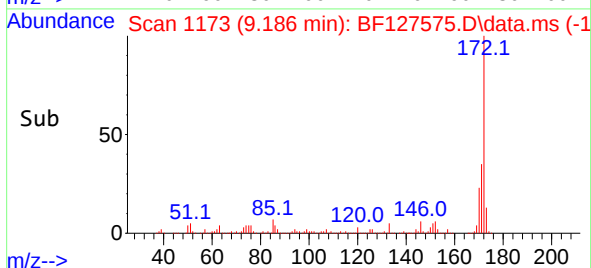
Reviewed By : Christian Giraldo 03/30/2022
Supervised By : Jagrut Upadhyay 03/30/2022



#45
2-Fluorobiphenyl
Concen: 59.04 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49



Tgt Ion: 172 Resp: 594457
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.4 18.6 27.8





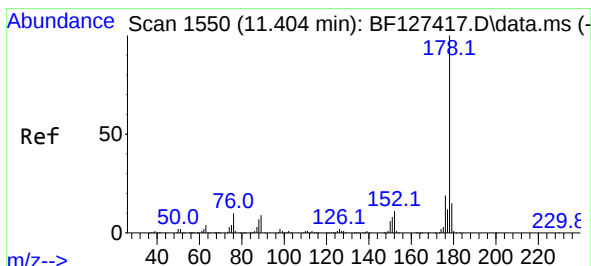
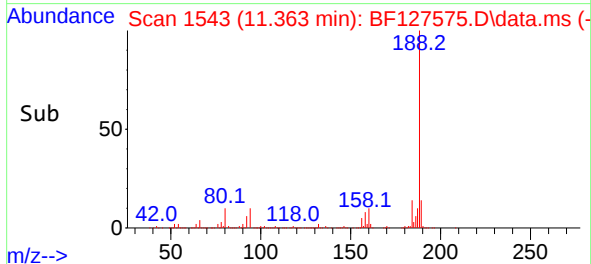
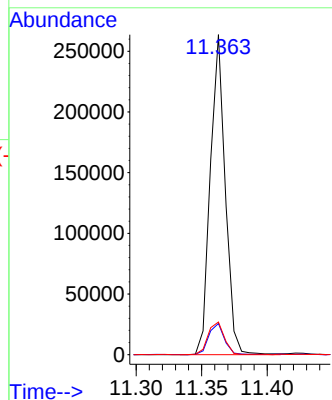
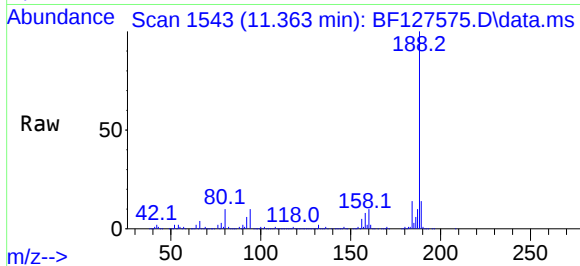
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Instrument :
BNA_F
ClientSampleId :
22L076-A

Tgt Ion:188 Resp: 20953
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.2 8.0 12.0

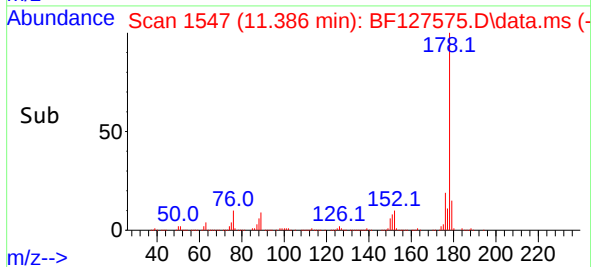
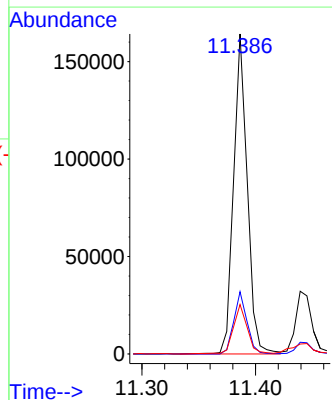
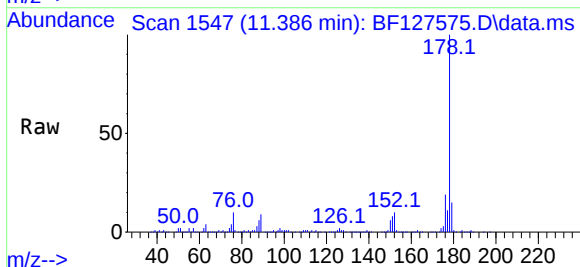
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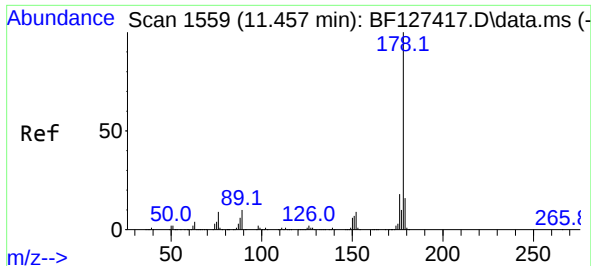
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#71
Phenanthrene
Concen: 12.55 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

Tgt Ion:178 Resp: 137049
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.4 12.4 18.6





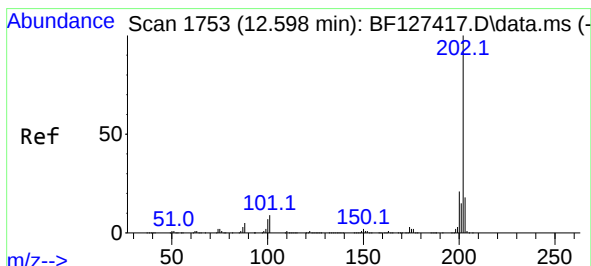
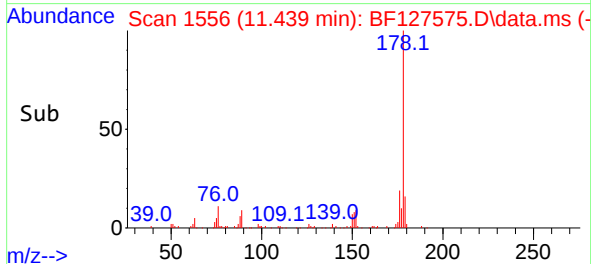
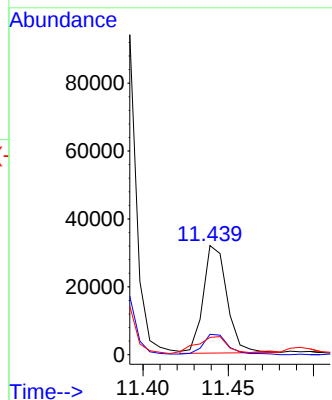
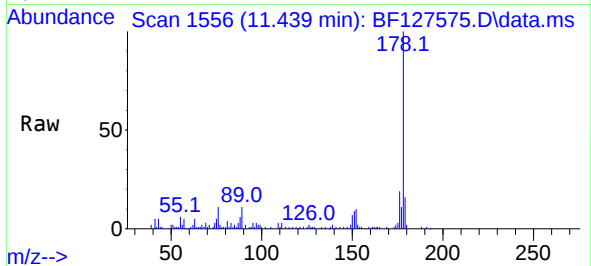
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 Anthracene
 Concen: 2.84 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

Instrument :
 BNA_F
 ClientSampleId :
 22L076-A

Tgt Ion:178 Resp: 3076
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 22.0
 179 15.8 12.4 18.6

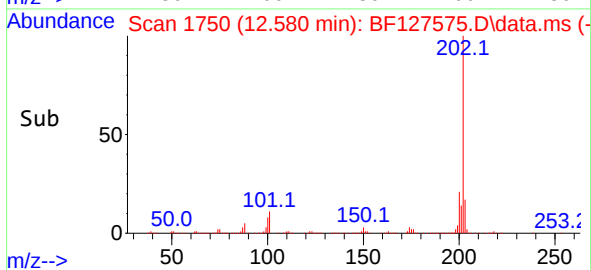
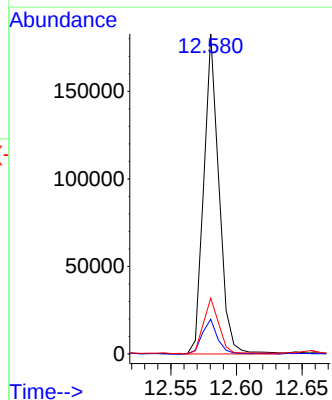
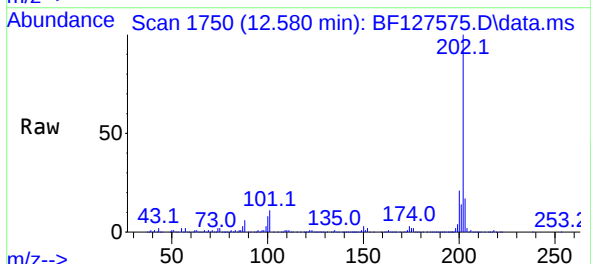
Manual Integrations
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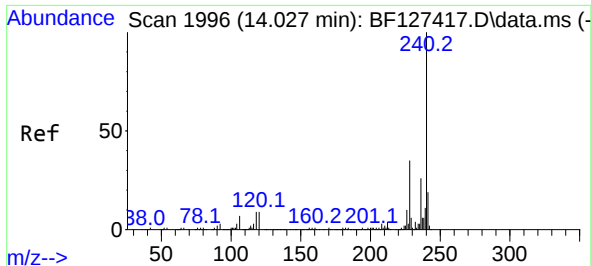
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022



#75
 Fluoranthene
 Concen: 12.34 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

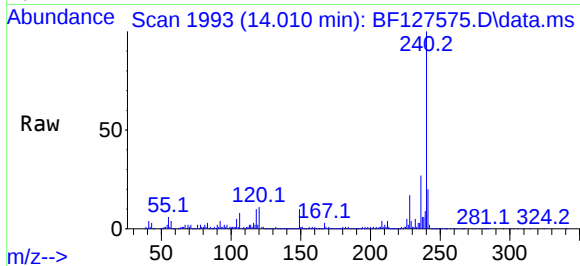
Tgt Ion:202 Resp: 148245
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.0
 203 17.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

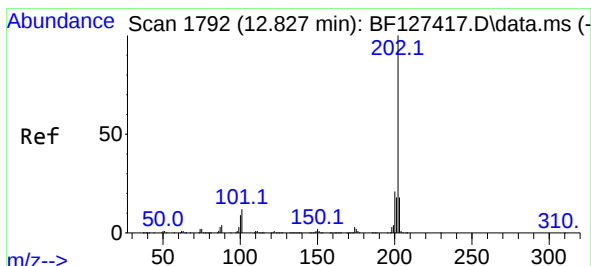
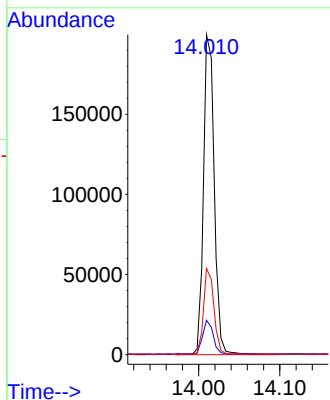
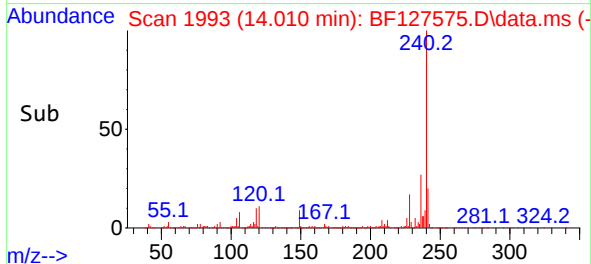
Instrument :
BNA_F
ClientSampleId :
22L076-A



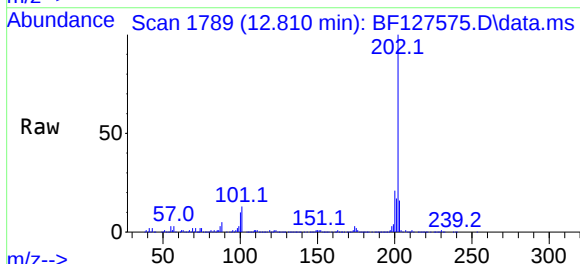
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Ion Ratio Lower Upper
240 100
120 10.7 7.1 10.7
236 27.0 20.7 31.1

Manual Integrations
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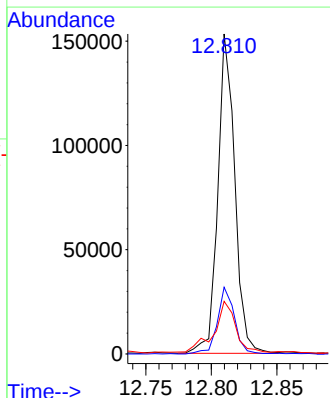
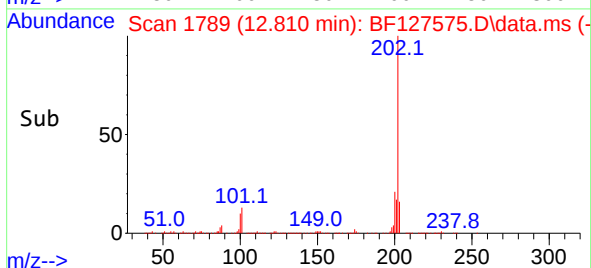
Reviewed By :Christian Giraldo 03/30/2022
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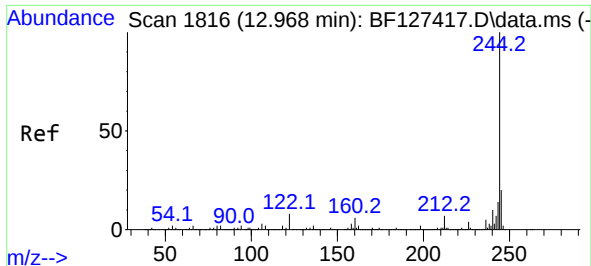


#78
Pyrene
Concen: 8.72 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49



Tgt Ion:202 Resp: 137819
Ion Ratio Lower Upper
202 100
200 20.9 17.1 25.7
203 16.4 14.3 21.5





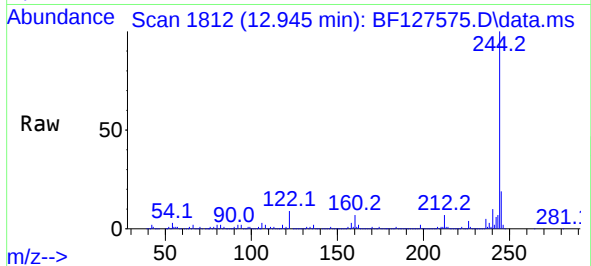
#79
 Terphenyl-d14
 Concen: 43.68 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

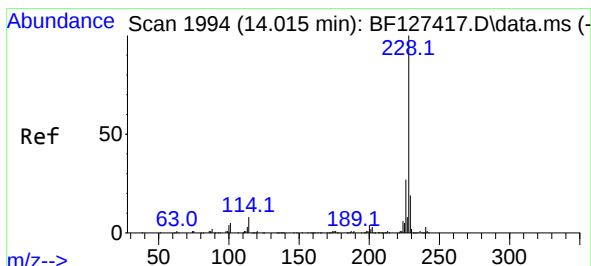
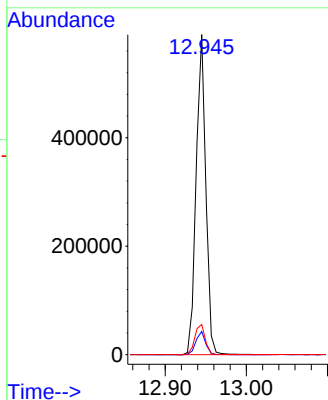
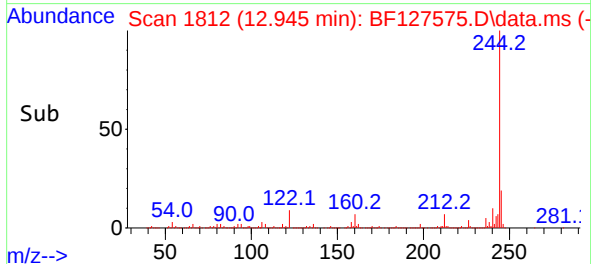


Tgt Ion:244 Resp: 49158
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.7 8.5
 122 9.5 6.2 9.2

Manual Integrations

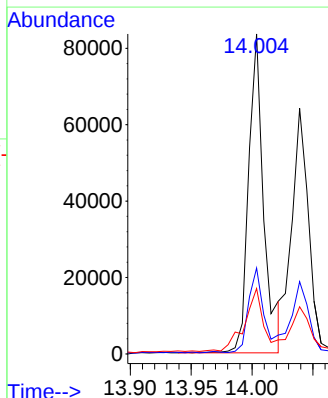
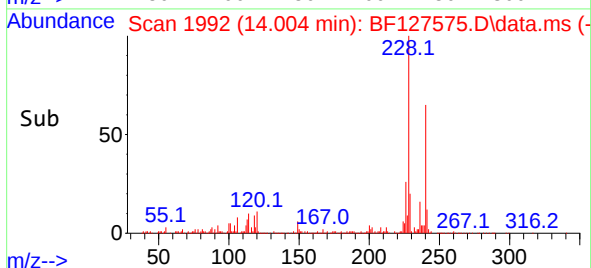
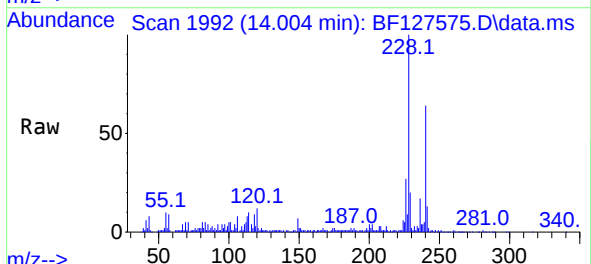
APPROVED

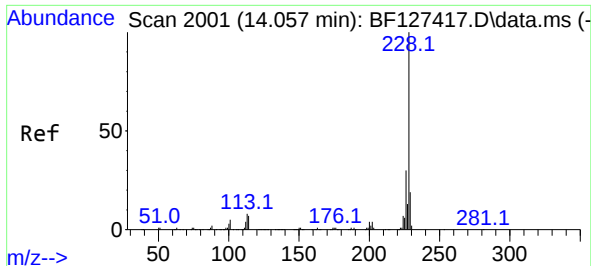
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022



#81
 Benzo(a)anthracene
 Concen: 5.90 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.000 min
 Lab File: BF127575.D
 Acq: 29 Mar 2022 19:49

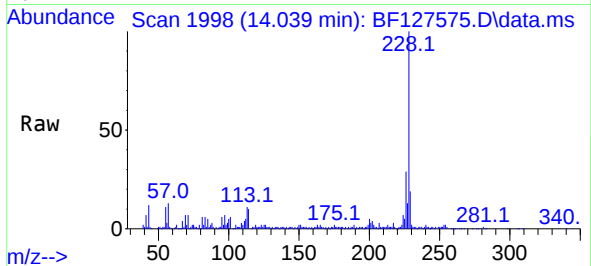
Tgt Ion:228 Resp: 72698
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.6 32.4
 229 20.4 15.4 23.2





#83
Chrysene
Concen: 5.28 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

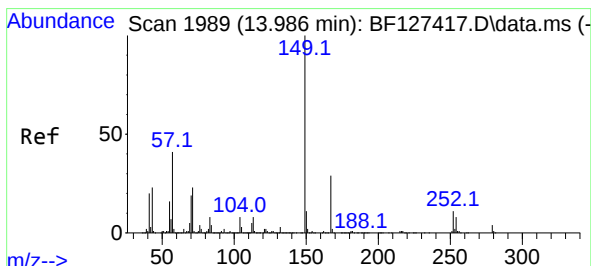
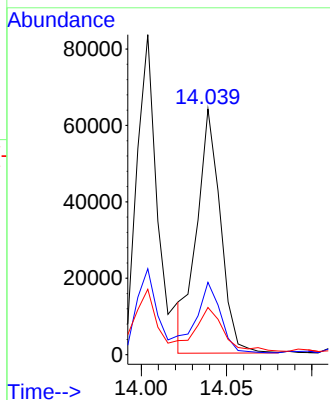
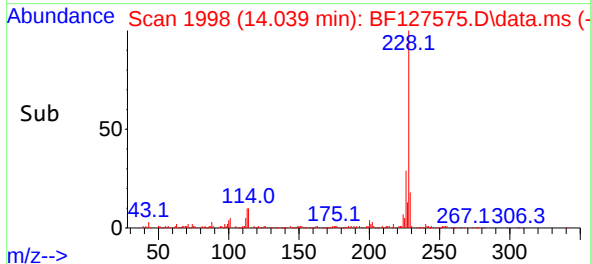
Instrument :
BNA_F
ClientSampleId :
22L076-A



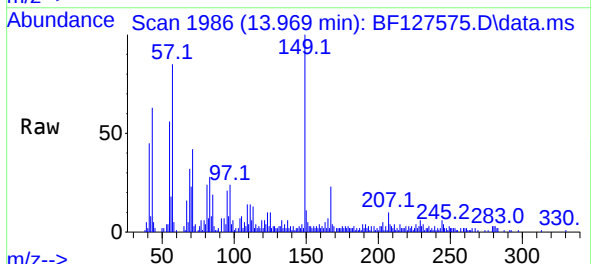
Tgt Ion:228 Resp: 61628
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 19.2 15.4 23.2

Manual Integrations
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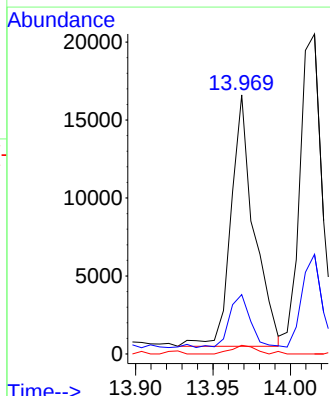
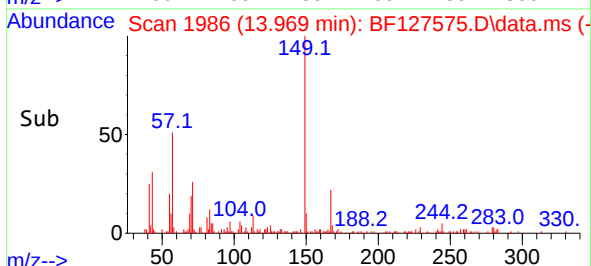
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

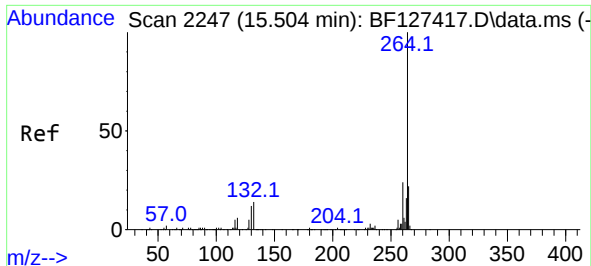


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.77 ng
RT: 13.969 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49



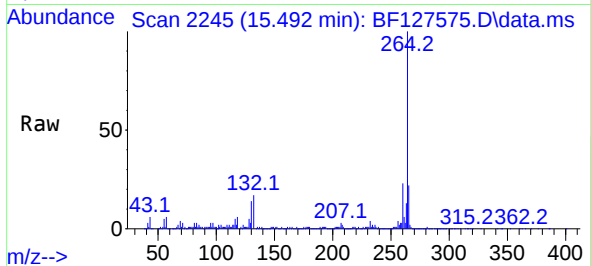
Tgt Ion:149 Resp: 16668
Ion Ratio Lower Upper
149 100
167 22.9 22.9 34.3
279 3.3 3.2 4.8





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49

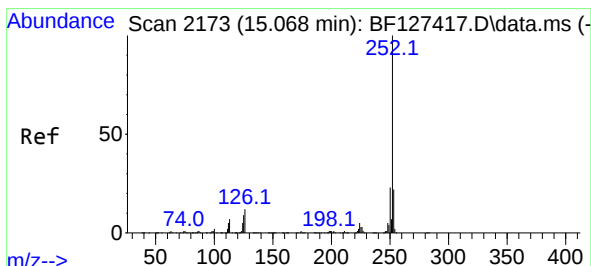
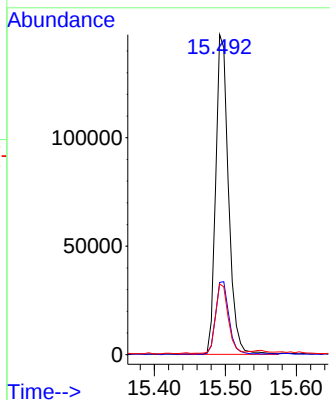
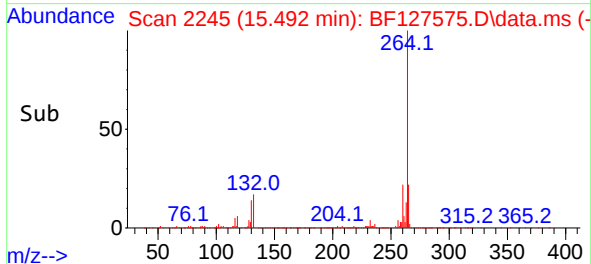
Instrument :
BNA_F
ClientSampleId :
22L076-A



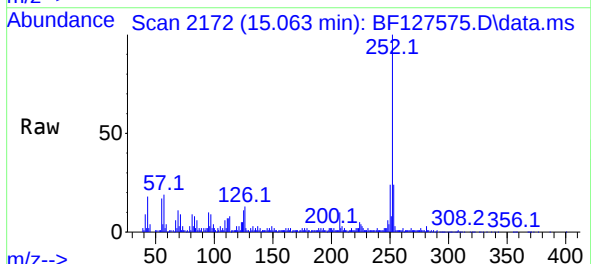
Tgt Ion:264 Resp: 18336
Ion Ratio Lower Upper
264 100
260 22.6 19.1 28.7
265 22.1 17.4 26.2

Manual Integrations
APPROVED

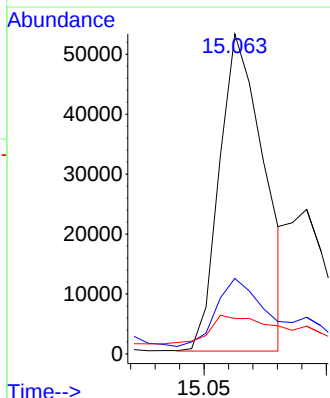
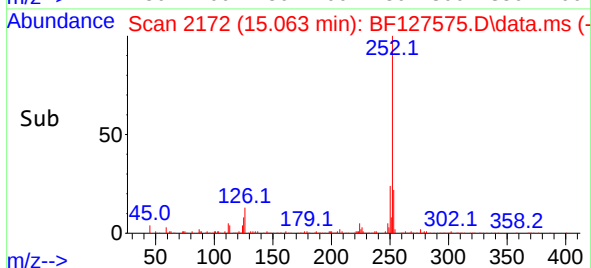
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

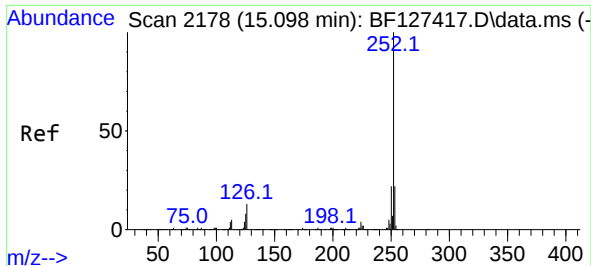


#88
Benzo(b)fluoranthene
Concen: 5.82 ng m
RT: 15.063 min Scan# 2172
Delta R.T. 0.006 min
Lab File: BF127575.D
Acq: 29 Mar 2022 19:49



Tgt Ion:252 Resp: 67251
Ion Ratio Lower Upper
252 100
253 23.6 17.9 26.9
125 11.1 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.22 ng m

RT: 15.092 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Instrument :

BNA_F

ClientSampleId :

22L076-A

Tgt Ion:252 Resp: 26550

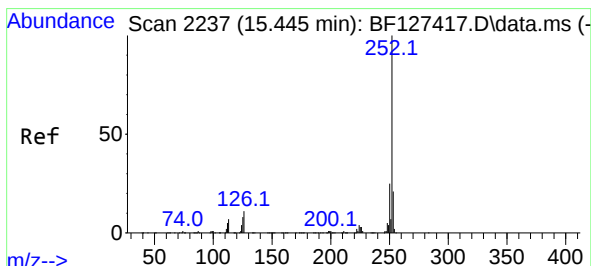
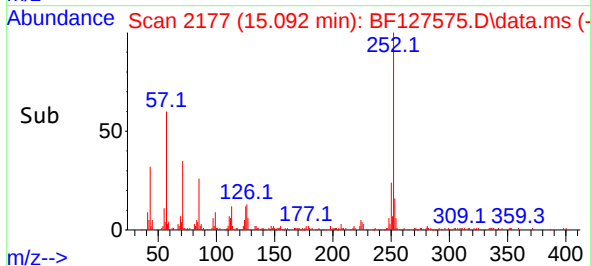
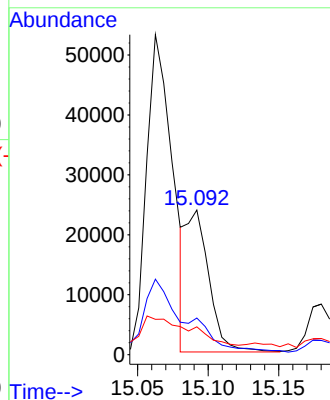
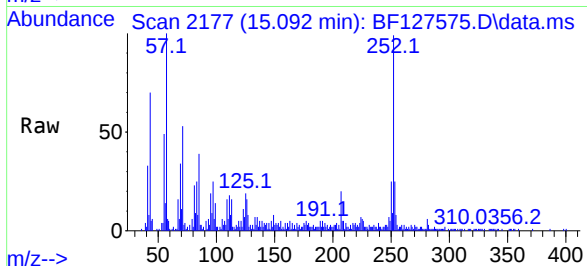
Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.3	25.9
125	19.3	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/30/2022

Supervised By :Jagrut Upadhyay 03/30/2022



#90

Benzo(a)pyrene

Concen: 5.42 ng

RT: 15.439 min Scan# 2236

Delta R.T. 0.012 min

Lab File: BF127575.D

Acq: 29 Mar 2022 19:49

Tgt Ion:252 Resp: 51463

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.8	6.7	10.1

