

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033022\
 Data File : BF127593.D
 Acq On : 30 Mar 2022 17:43
 Operator : CG\JU
 Sample : N2155-01RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L076-ARE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/31/2022
 Supervised By : Jagrut Upadhyay 03/31/2022

Quant Time: Mar 31 04:10:05 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	84899	20.00	ng	0.00
21) Naphthalene-d8	8.116	136	317385	20.00	ng	0.00
39) Acenaphthene-d10	9.869	164	179536	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	277981	20.00	ng	0.00
76) Chrysene-d12	14.016	240	191002	20.00	ng	0.00
86) Perylene-d12	15.498	264	191753	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	37394	7.03	ng	0.02
7) Phenol-d6	6.475	99	470616	64.73	ng	0.00
23) Nitrobenzene-d5	7.398	82	416693	56.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	4746	2.48	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	706748	57.48	ng	0.00
79) Terphenyl-d14	12.945	244	583945	50.05	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	186744	12.89	ng	98
72) Anthracene	11.445	178	42457	2.95	ng	97
75) Fluoranthene	12.580	202	180787	11.34	ng	98
78) Pyrene	12.810	202	158791	9.69	ng	99
81) Benzo(a)anthracene	14.004	228	73412	5.75	ng	99
83) Chrysene	14.039	228	63755	5.27	ng	96
84) Bis(2-ethylhexyl)phtha...	13.968	149	16037	2.57	ng	# 99
88) Benzo(b)fluoranthene	15.068	252	71411m	5.91	ng	
89) Benzo(k)fluoranthene	15.098	252	26958m	2.15	ng	
90) Benzo(a)pyrene	15.439	252	51898	5.23	ng	# 89
92) Benzo(g,h,i)perylene	17.486	276	25735m	2.32	ng	

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

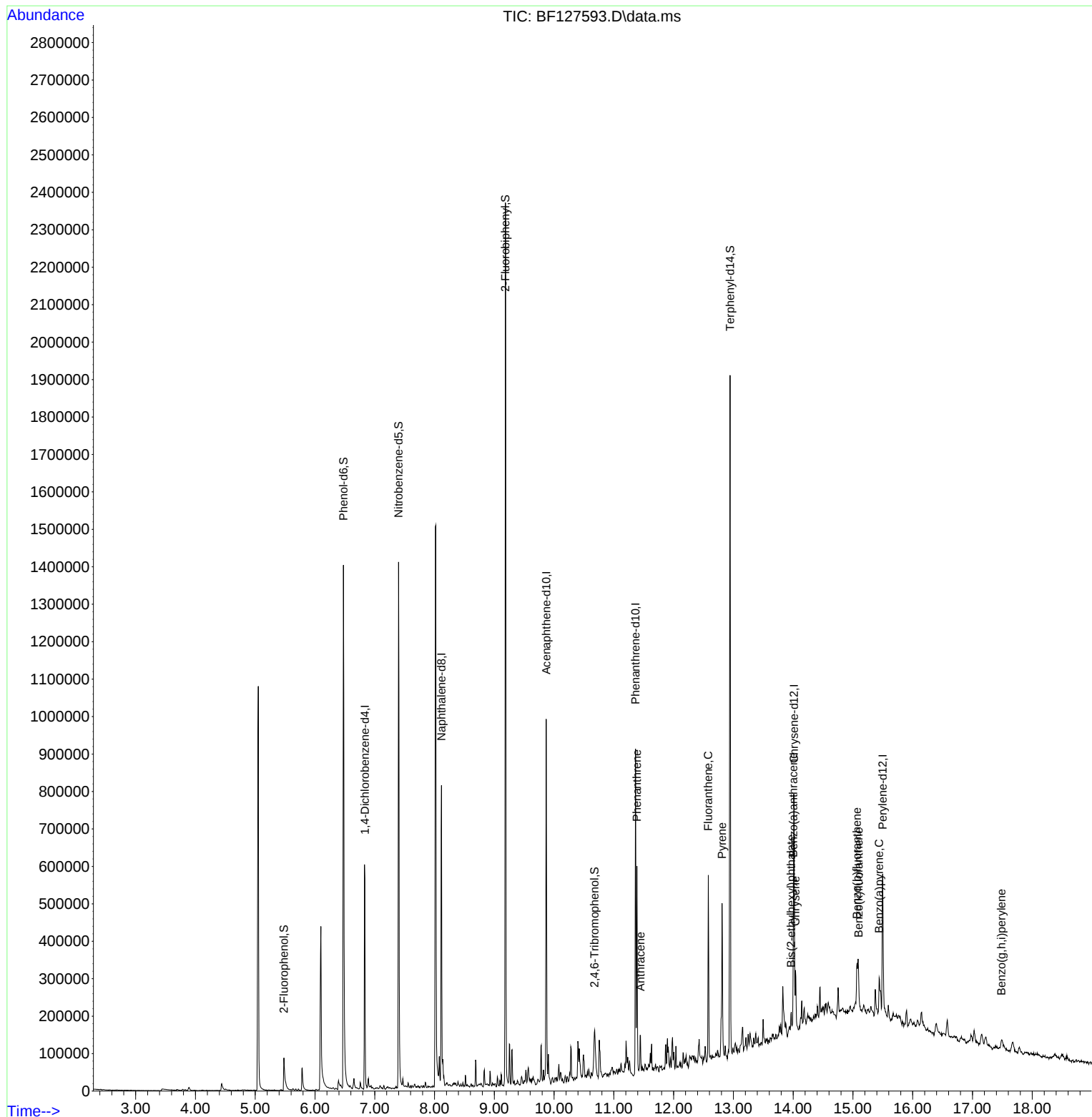
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033022\
Data File : BF127593.D
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ALS Vial : 16 Sample Multiplier: 1

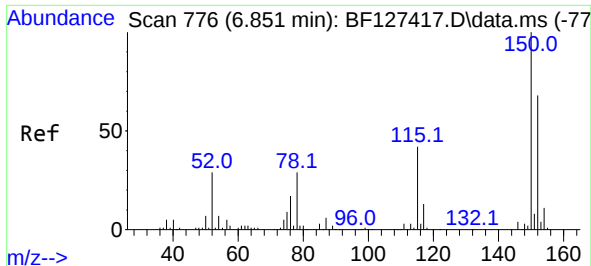
Instrument :
BNA_F
ClientSampleId :
22L076-ARE

Quant Time: Mar 31 04:10:05 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
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#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Instrument :

BNA_F

ClientSampleId :

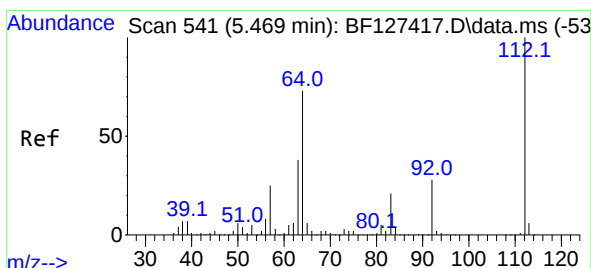
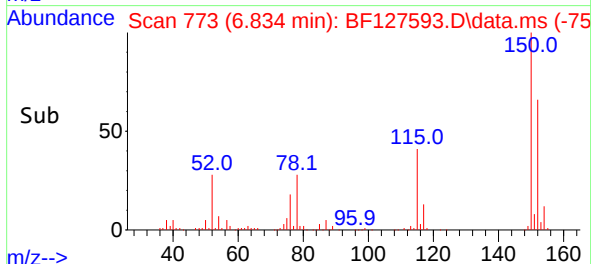
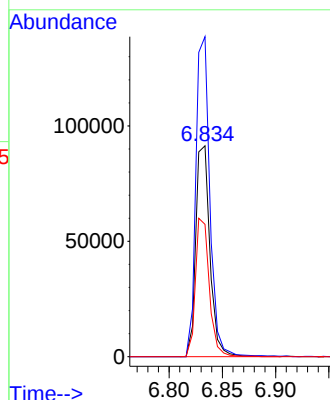
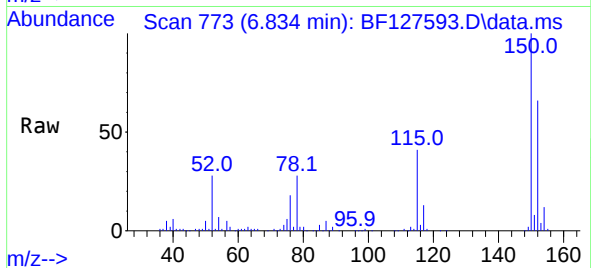
22L076-ARE

Tgt Ion:152 Resp: 8489
Ion Ratio Lower Upper
152 100
150 151.8 117.2 175.8
115 62.8 49.8 74.6

Manual Integrations

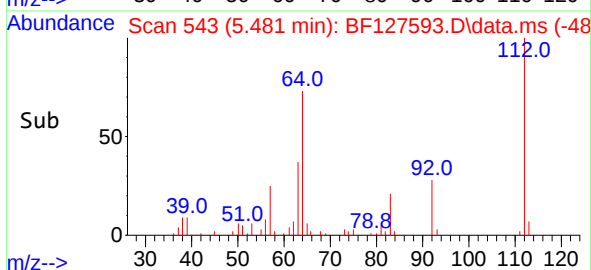
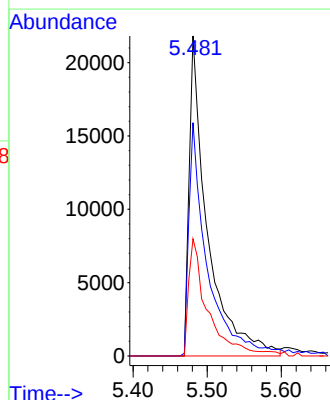
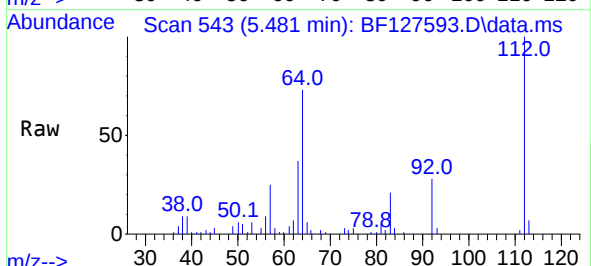
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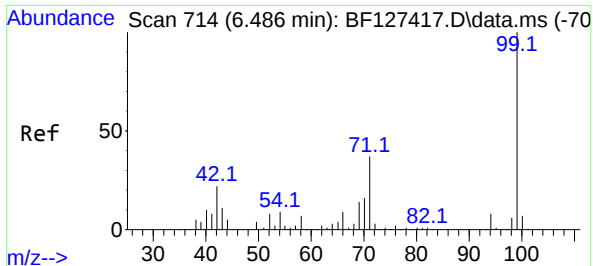
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#5
2-Fluorophenol
Concen: 7.03 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.024 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

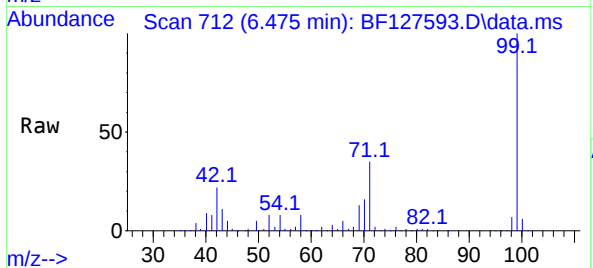
Tgt Ion:112 Resp: 37394
Ion Ratio Lower Upper
112 100
64 72.9 58.4 87.6
63 36.6 30.1 45.1





#7
Phenol-d6
Concen: 64.73 ng
RT: 6.475 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

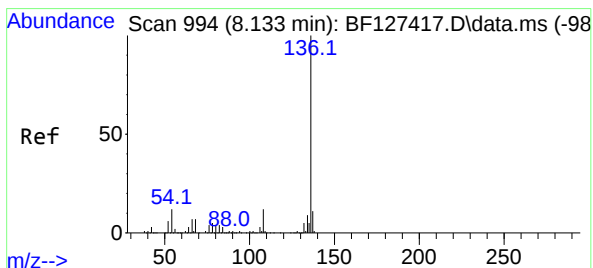
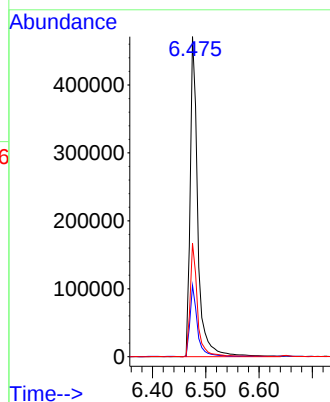
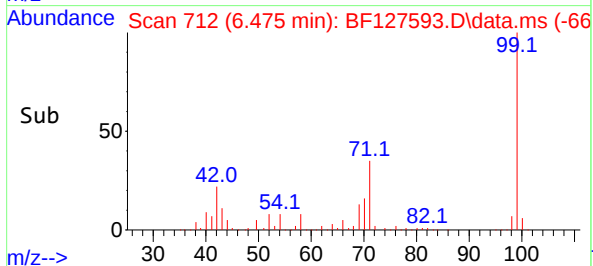
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 470610
Ion Ratio Lower Upper
99 100
42 22.3 17.8 26.6
71 35.4 29.6 44.4

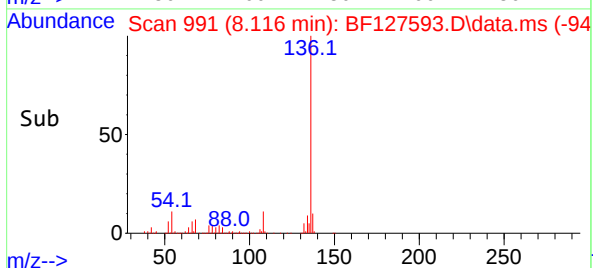
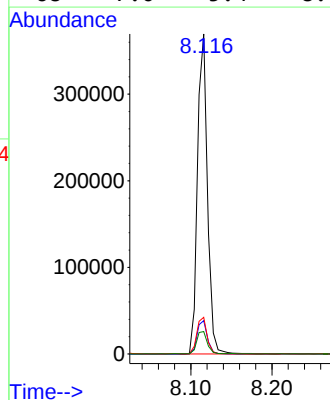
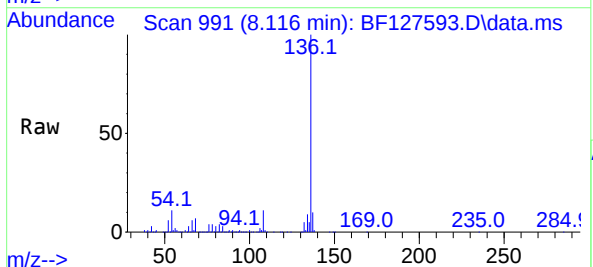
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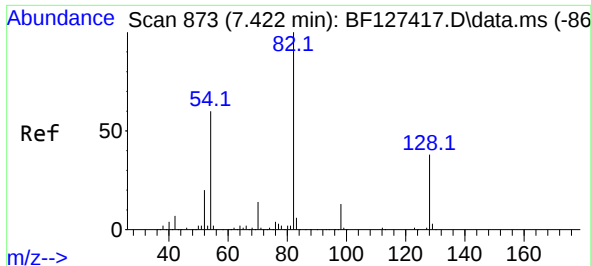
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.116 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

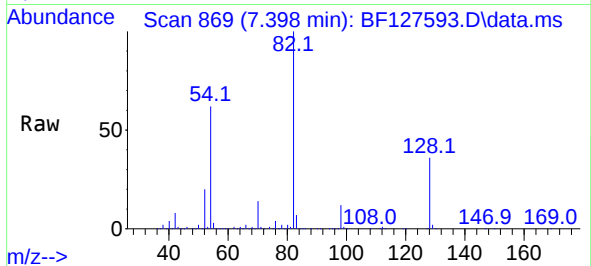
Tgt Ion:136 Resp: 317385
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 11.4 9.2 13.8
68 7.0 5.4 8.0





#23
Nitrobenzene-d5
Concen: 56.12 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

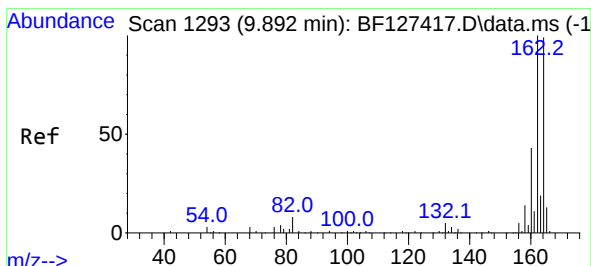
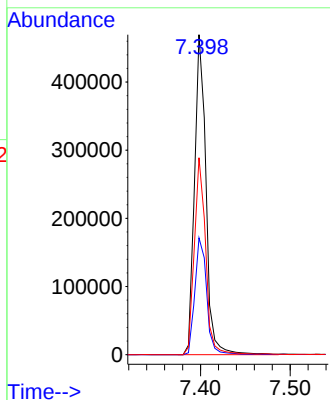
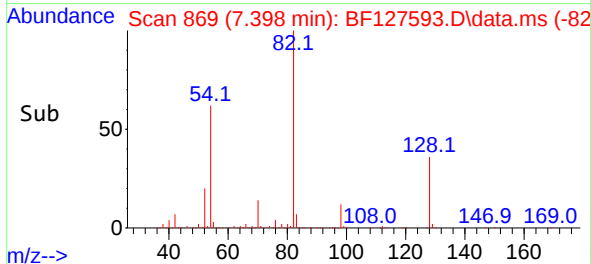
Instrument :
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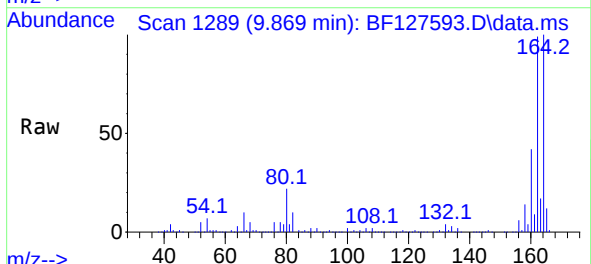
Tgt Ion: 82 Resp: 41669
Ion Ratio Lower Upper
82 100
128 36.5 30.6 45.8
54 61.5 48.2 72.2

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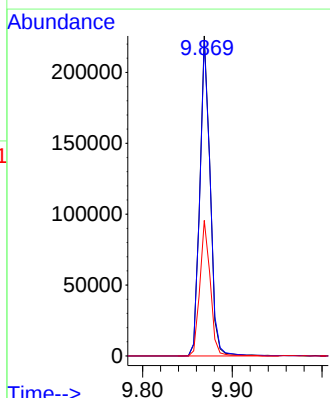
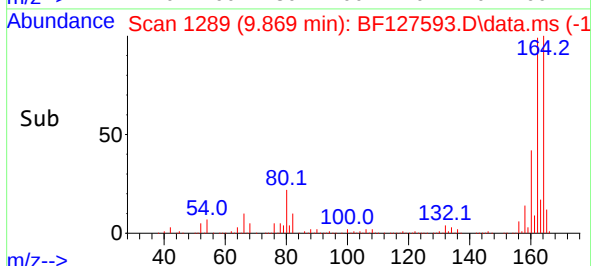
Reviewed By :Christian Giraldo 03/31/2022
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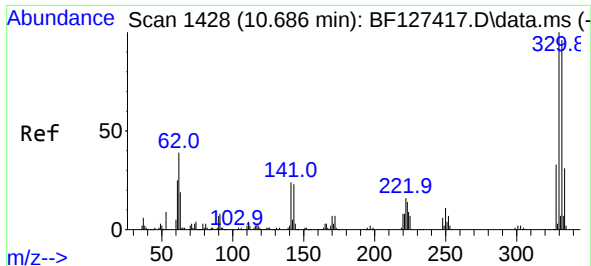


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43



Tgt Ion:164 Resp: 179536
Ion Ratio Lower Upper
164 100
162 98.5 81.2 121.8
160 42.4 34.6 52.0





#42
2,4,6-Tribromophenol
Concen: 2.48 ng
RT: 10.675 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Instrument :

BNA_F

ClientSampleId :

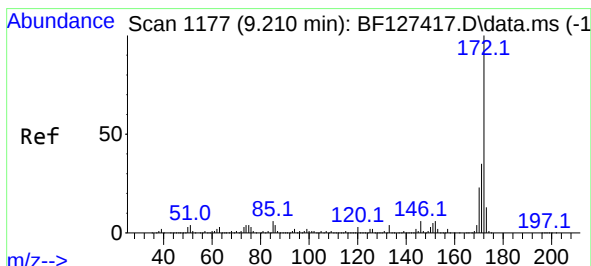
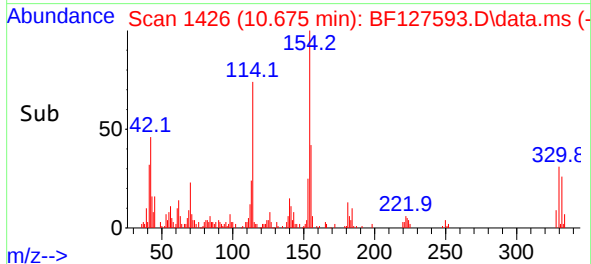
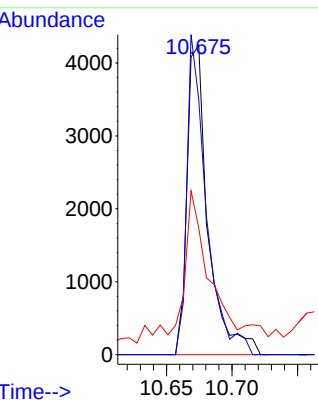
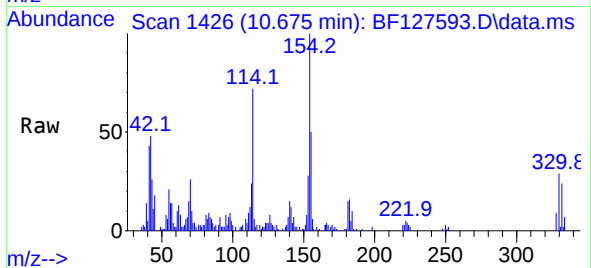
22L076-ARE

Tgt Ion:330 Resp: 4740
Ion Ratio Lower Upper
330 100
332 95.1 79.1 118.7
141 68.1 26.2 39.4

Manual Integrations

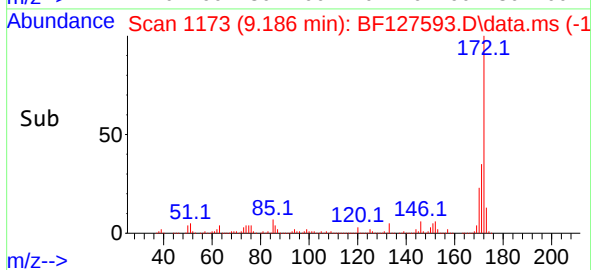
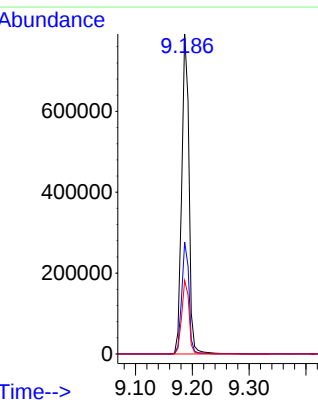
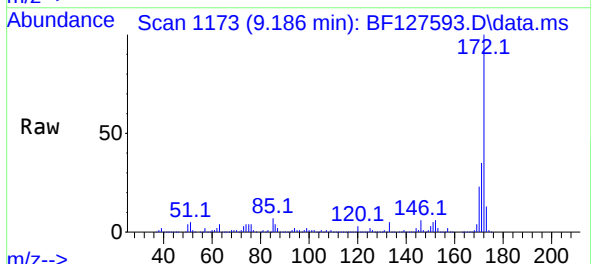
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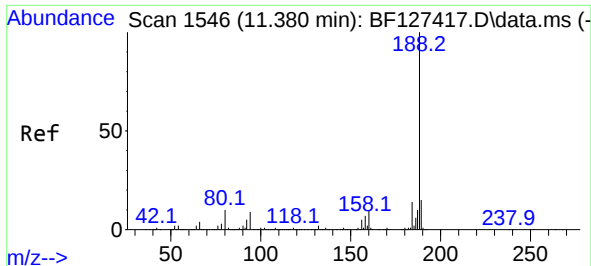
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#45
2-Fluorobiphenyl
Concen: 57.48 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

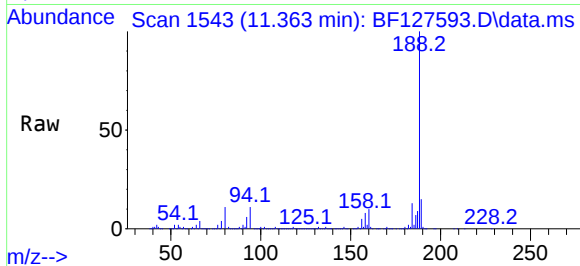
Tgt Ion:172 Resp: 706748
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.0 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

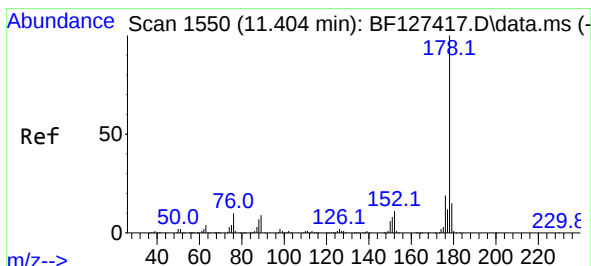
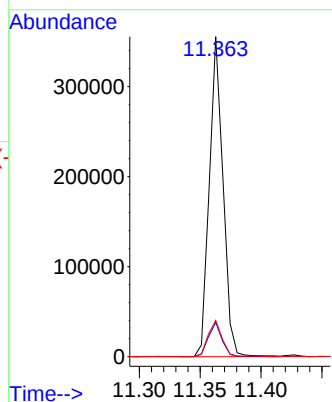
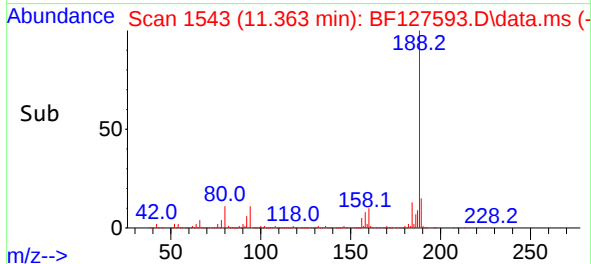
Instrument :
BNA_F
ClientSampleId :
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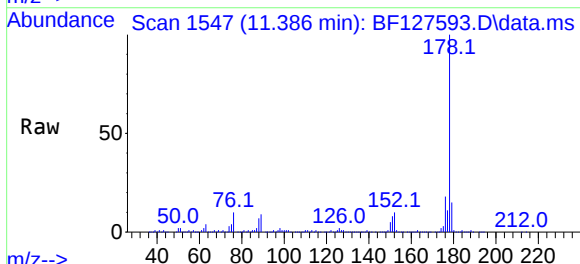
Tgt Ion:188 Resp: 27798
Ion Ratio Lower Upper
188 100
94 10.7 7.4 11.0
80 11.4 8.0 12.0

Manual Integrations
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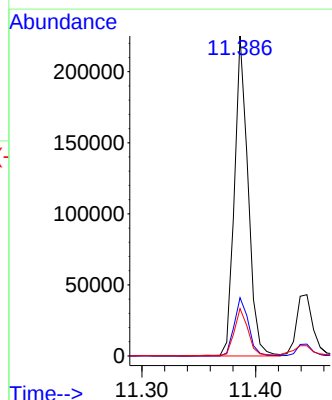
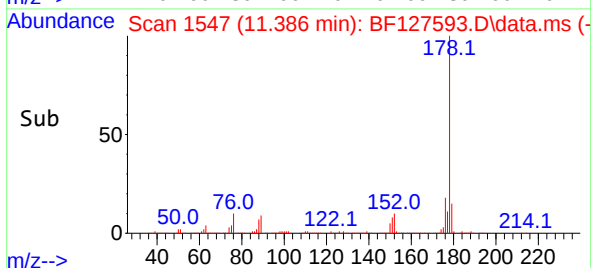
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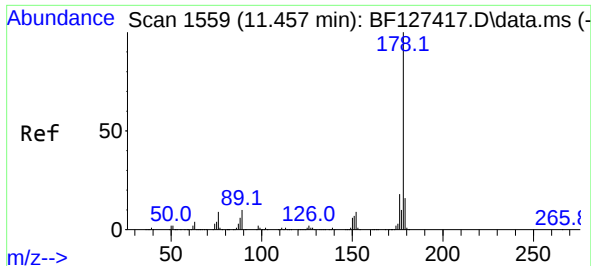


#71
Phenanthrene
Concen: 12.89 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43



Tgt Ion:178 Resp: 186744
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 14.8 12.4 18.6





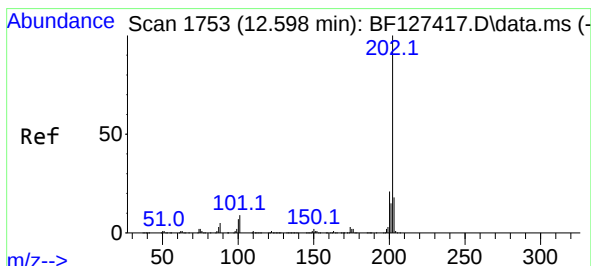
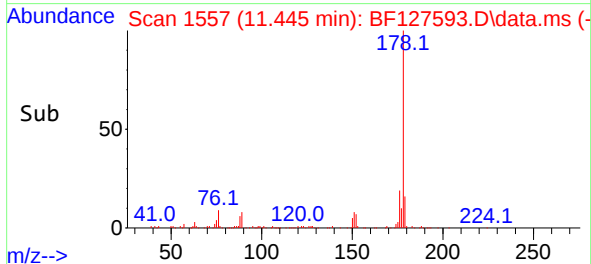
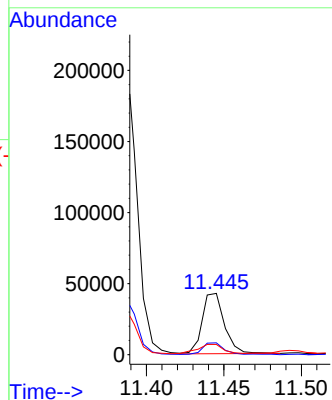
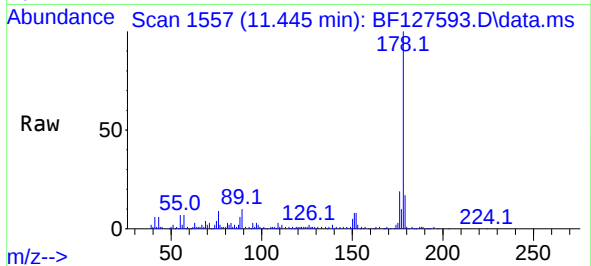
#72
 Anthracene
 Concen: 2.95 ng
 RT: 11.445 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF127593.D
 Acq: 30 Mar 2022 17:43

Instrument :
 BNA_F
 ClientSampleId :
 22L076-ARE

Tgt Ion:178 Resp: 4245
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.6 22.0
 179 16.7 12.4 18.6

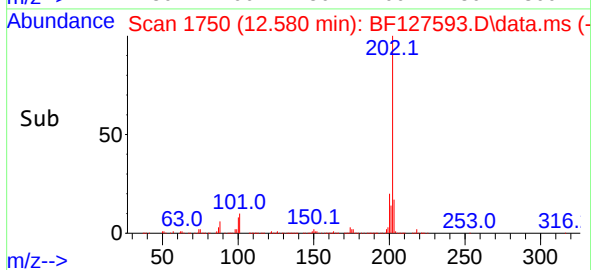
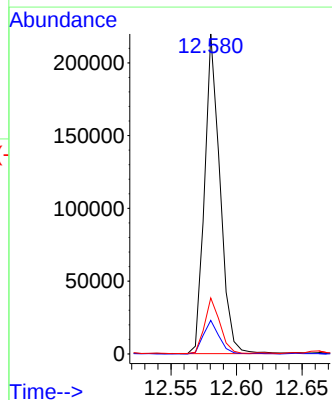
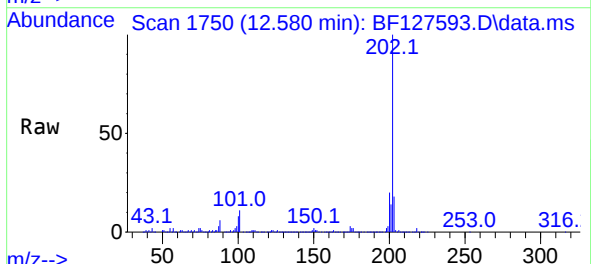
Manual Integrations
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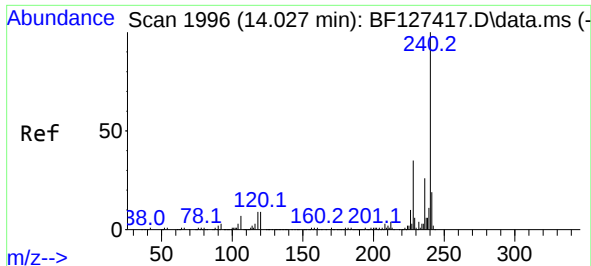
Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022



#75
 Fluoranthene
 Concen: 11.34 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF127593.D
 Acq: 30 Mar 2022 17:43

Tgt Ion:202 Resp: 180787
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.0
 203 17.5 0.0 37.7





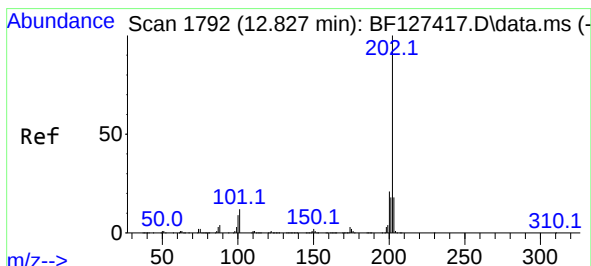
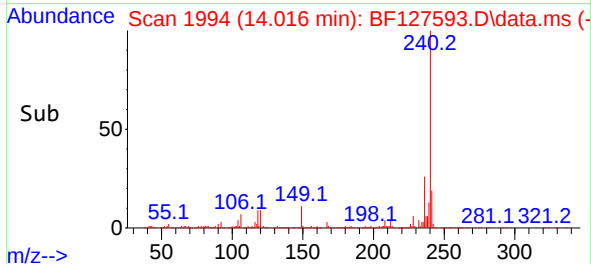
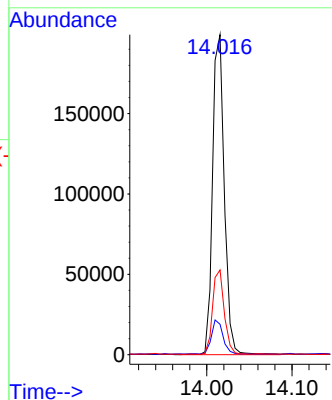
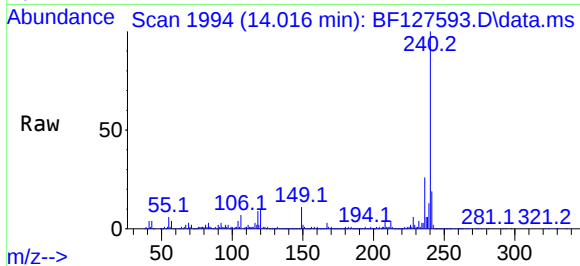
#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Instrument :
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22L076-ARE

Tgt Ion:240 Resp: 191000
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.5 20.7 31.1

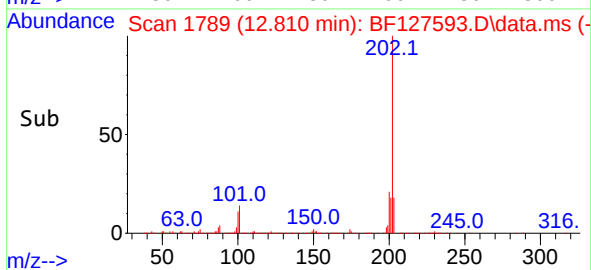
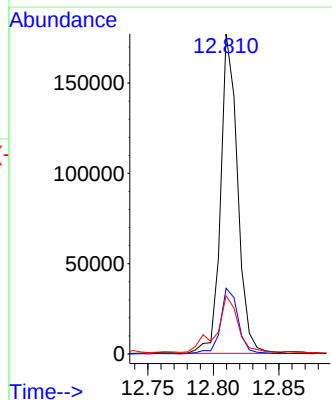
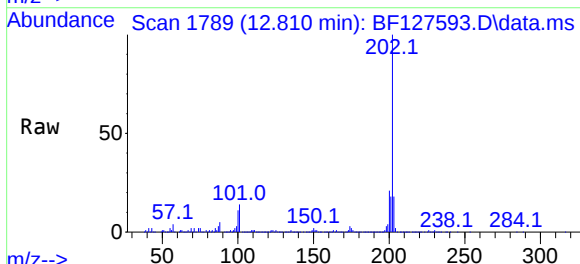
Manual Integrations
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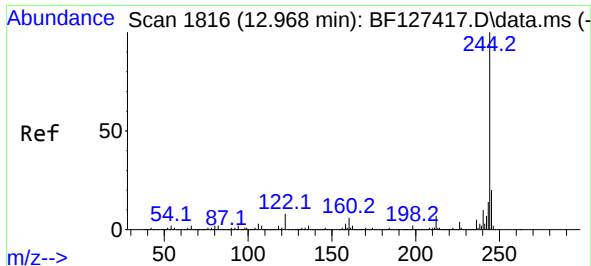
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#78
Pyrene
Concen: 9.69 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Tgt Ion:202 Resp: 158791
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.2 14.3 21.5





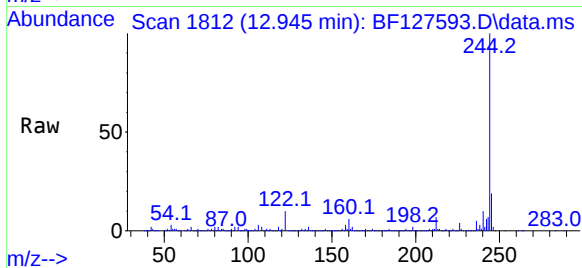
#79
Terphenyl-d14
Concen: 50.05 ng
RT: 12.945 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Instrument :

BNA_F

ClientSampleId :

22L076-ARE

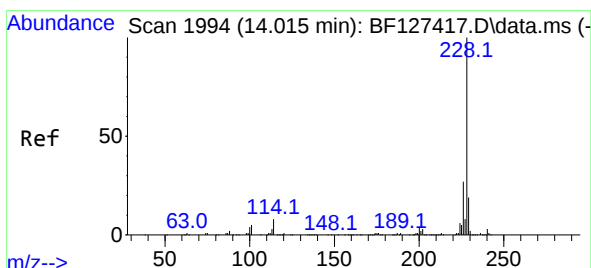
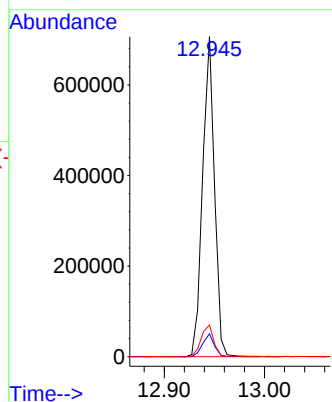
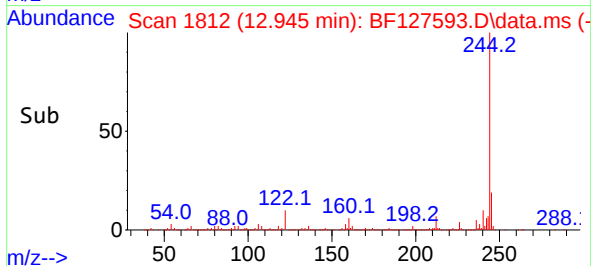


Tgt Ion:244 Resp: 583945
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.9 6.2 9.2

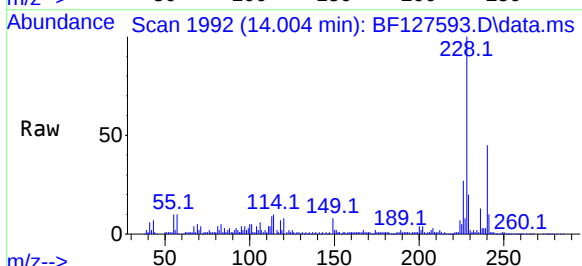
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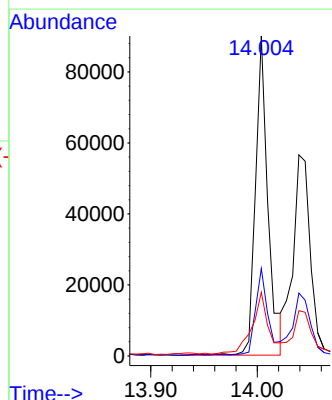
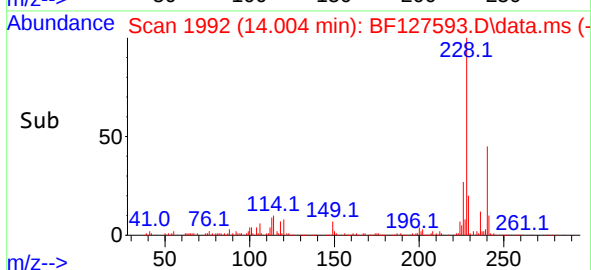
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

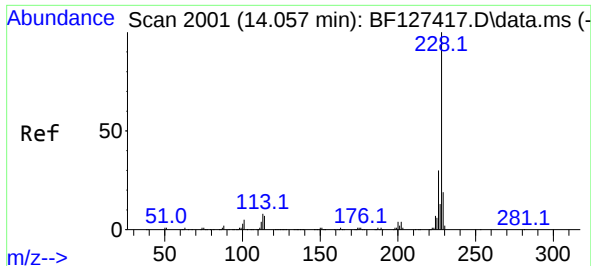


#81
Benzo(a)anthracene
Concen: 5.75 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43



Tgt Ion:228 Resp: 73412
Ion Ratio Lower Upper
228 100
226 27.3 21.6 32.4
229 19.9 15.4 23.2





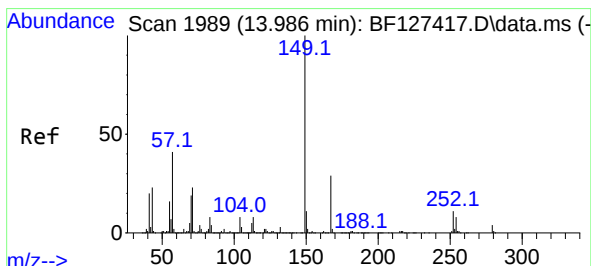
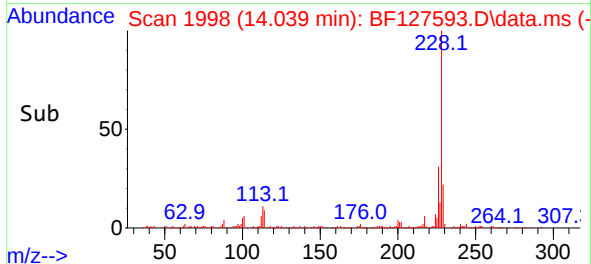
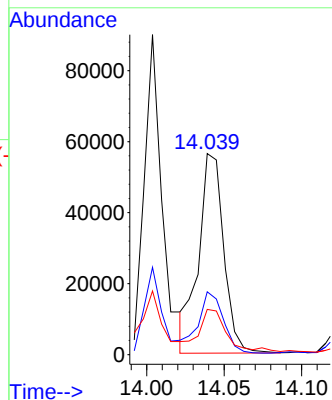
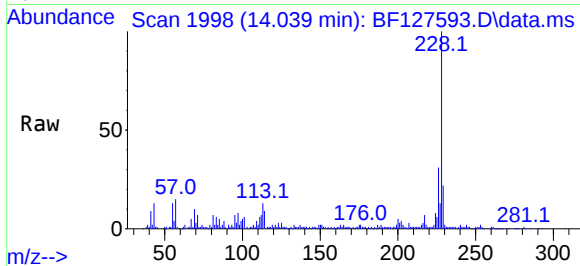
#83
Chrysene
Concen: 5.27 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

Instrument :
BNA_F
ClientSampleId :
22L076-ARE

Tgt Ion:228 Resp: 6375
Ion Ratio Lower Upper
228 100
226 31.2 24.2 36.4
229 22.5 15.4 23.2

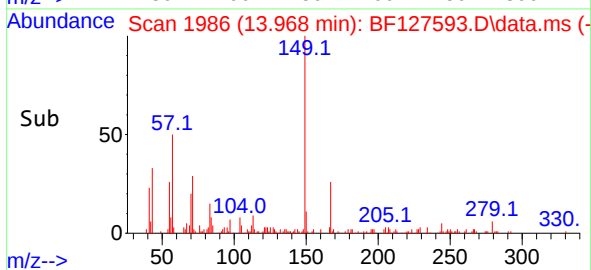
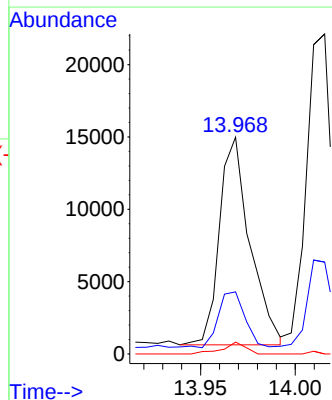
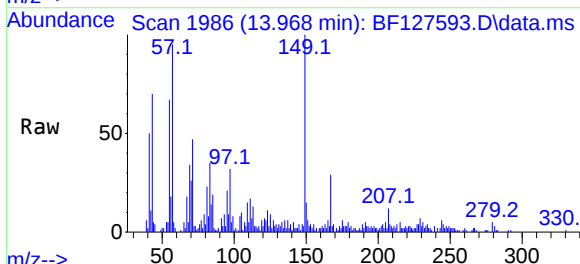
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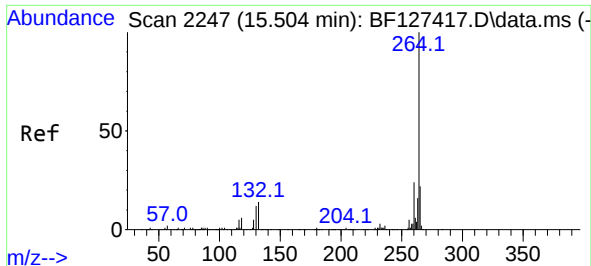
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.57 ng
RT: 13.968 min Scan# 1986
Delta R.T. 0.000 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

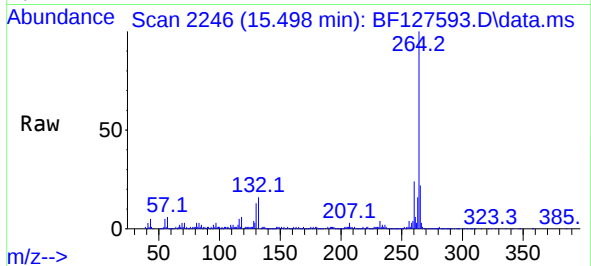
Tgt Ion:149 Resp: 16037
Ion Ratio Lower Upper
149 100
167 28.6 22.9 34.3
279 5.4 3.2 4.8#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2175
Delta R.T. 0.006 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43

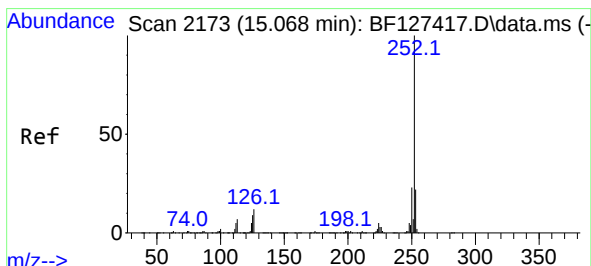
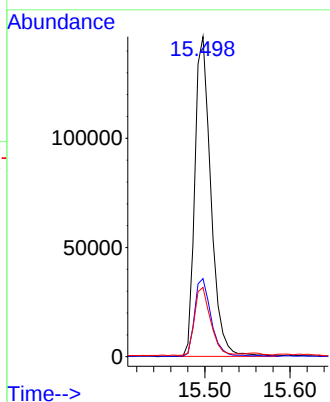
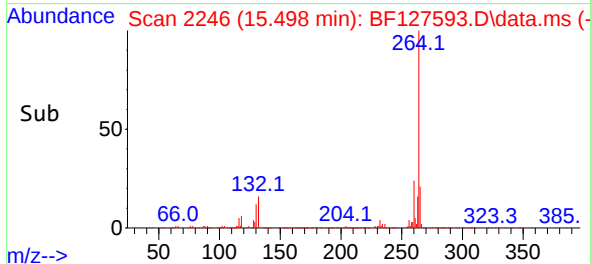
Instrument :
BNA_F
ClientSampleId :
22L076-ARE



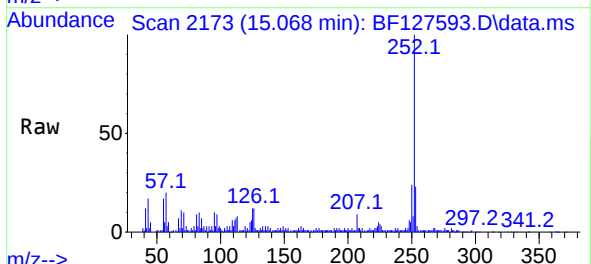
Tgt Ion:264 Resp: 19175
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 21.7 17.4 26.2

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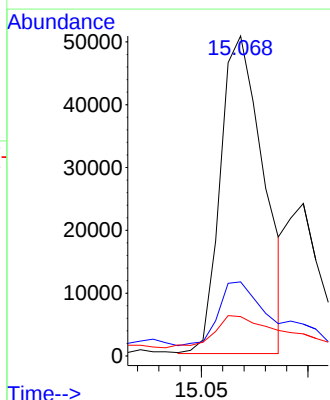
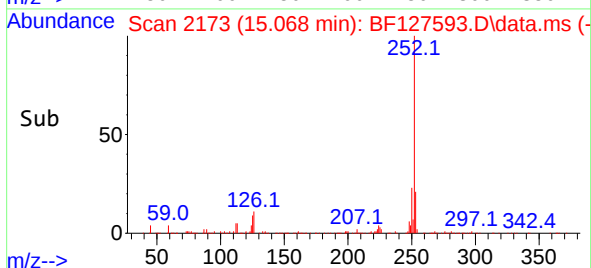
Reviewed By :Christian Giraldo 03/31/2022
Supervised By :Jagrut Upadhyay 03/31/2022

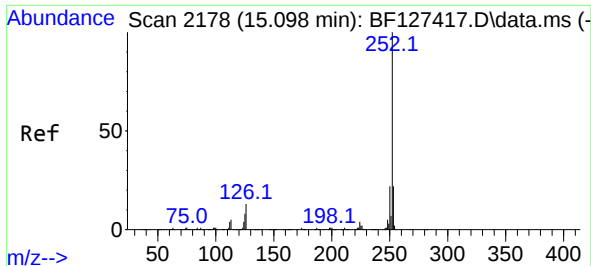


#88
Benzo(b)fluoranthene
Concen: 5.91 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.012 min
Lab File: BF127593.D
Acq: 30 Mar 2022 17:43



Tgt Ion:252 Resp: 71411
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 12.3 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.15 ng m

RT: 15.098 min Scan# 2178

Delta R.T. 0.012 min

Lab File: BF127593.D

Acq: 30 Mar 2022 17:43

Instrument :

BNA_F

ClientSampleId :

22L076-ARE

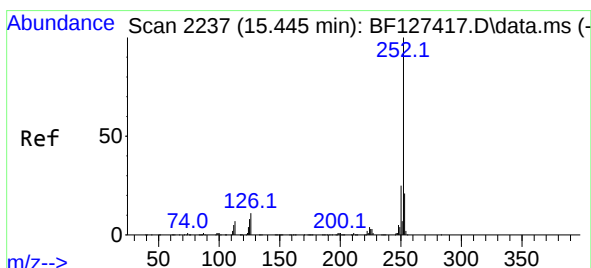
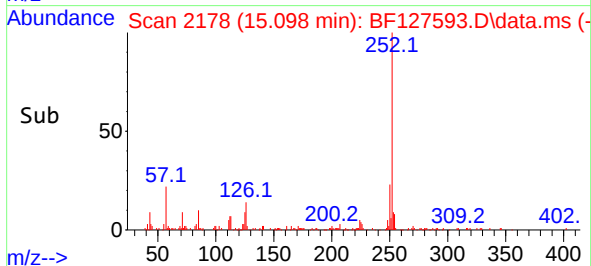
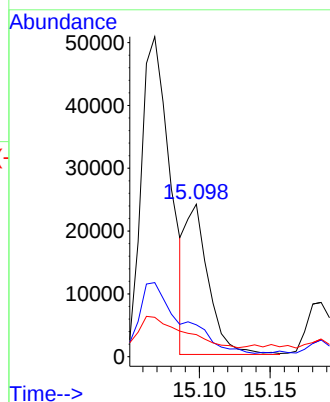
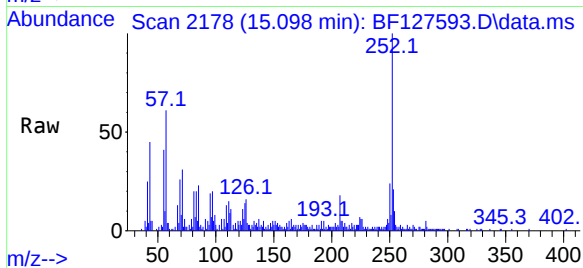
Tgt Ion:252 Resp: 26958
 Ion Ratio Lower Upper
 252 100
 253 20.9 17.3 25.9
 125 14.5 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2022

Supervised By :Jagrut Upadhyay 03/31/2022



#90

Benzo(a)pyrene

Concen: 5.23 ng

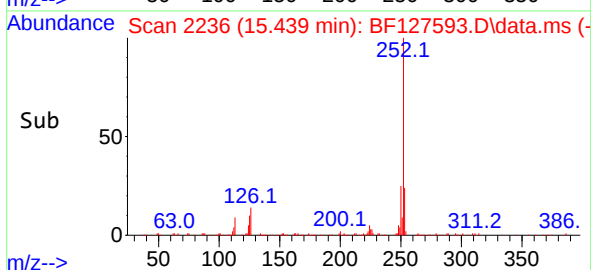
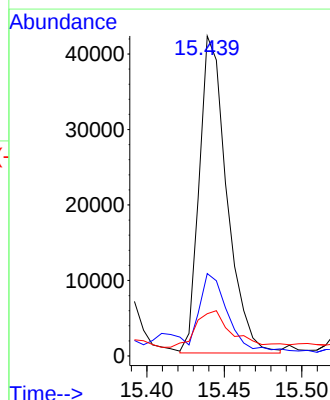
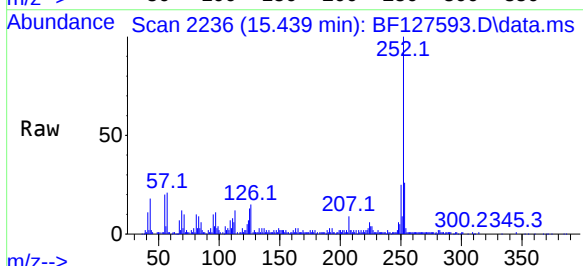
RT: 15.439 min Scan# 2236

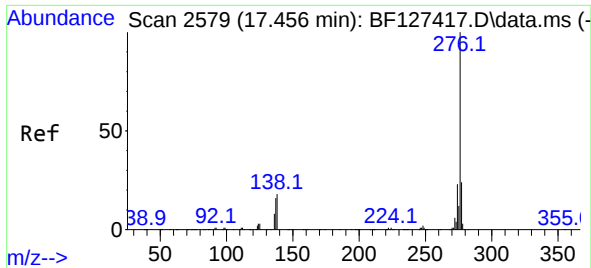
Delta R.T. 0.012 min

Lab File: BF127593.D

Acq: 30 Mar 2022 17:43

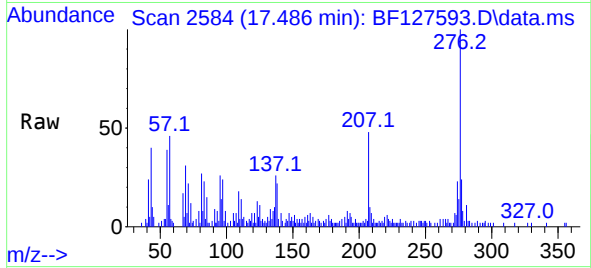
Tgt Ion:252 Resp: 51898
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.0 25.6#
 125 13.2 6.7 10.1#





#92
 Benzo(g,h,i)perylene
 Concen: 2.32 ng m
 RT: 17.486 min Scan# 21
 Delta R.T. 0.041 min
 Lab File: BF127593.D
 Acq: 30 Mar 2022 17:43

Instrument :
 BNA_F
 ClientSampleId :
 22L076-ARE



Tgt Ion:	276	Resp:	2573
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.0	28.4
138	22.3	14.6	22.0

Manual Integrations
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Reviewed By :Christian Giraldo 03/31/2022
 Supervised By :Jagrut Upadhyay 03/31/2022

