

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042822\
 Data File : BF127988.D
 Acq On : 28 Apr 2022 18:39
 Operator : CG\JU
 Sample : N2564-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-164718DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/29/2022
 Supervised By : Jagrut Upadhyay 04/29/2022

Quant Time: Apr 29 04:39:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 28 05:13:03 2022
 Response via : Initial Calibration

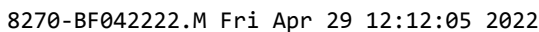
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

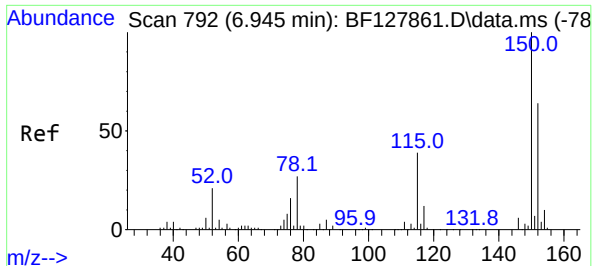
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121627	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	449680	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	227200	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	340754	20.000	ng	0.00
76) Chrysene-d12	14.110	240	253721	20.000	ng	0.00
86) Perylene-d12	15.621	264	215769	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	414168	54.238	ng	0.00
7) Phenol-d6	6.551	99	535636	54.059	ng	-0.01
23) Nitrobenzene-d5	7.493	82	369786	38.669	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	114899	50.237	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	610776	45.479	ng	0.00
79) Terphenyl-d14	13.051	244	499876	36.026	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	9.022	142	32565	2.213	ng	97
52) Acenaphthene	10.004	154	36719	2.787	ng	98
58) Fluorene	10.522	166	64310m	4.534	ng	
71) Phenanthrene	11.486	178	407853	22.866	ng	99
72) Anthracene	11.539	178	115382	6.494	ng	98
75) Fluoranthene	12.680	202	594870	31.688	ng	98
78) Pyrene	12.910	202	545305	26.624	ng	99
81) Benzo(a)anthracene	14.098	228	295271	17.460	ng	97
83) Chrysene	14.133	228	252301	15.621	ng	98
87) Indeno(1,2,3-cd)pyrene	17.157	276	113323	7.868	ng	96
88) Benzo(b)fluoranthene	15.174	252	312825m	23.083	ng	
89) Benzo(k)fluoranthene	15.198	252	93186m	6.825	ng	
90) Benzo(a)pyrene	15.557	252	219607	19.536	ng	98
91) Dibenzo(a,h)anthracene	17.174	278	28195	2.441	ng	# 90
92) Benzo(g,h,i)perylene	17.627	276	109161	8.968	ng	99

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

Manual Integrations

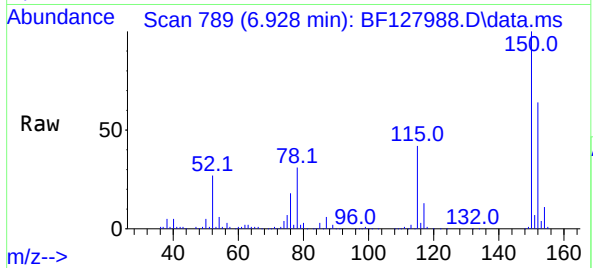
Quant Time: Apr 29 04:39:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 28 05:13:03 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

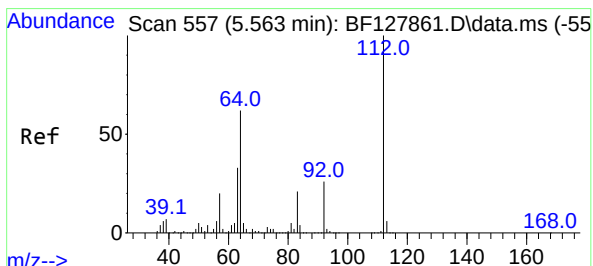
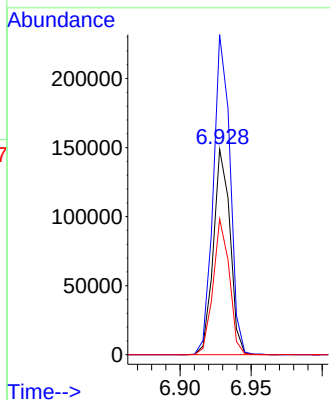
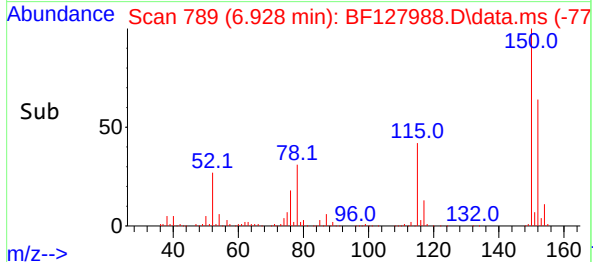
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



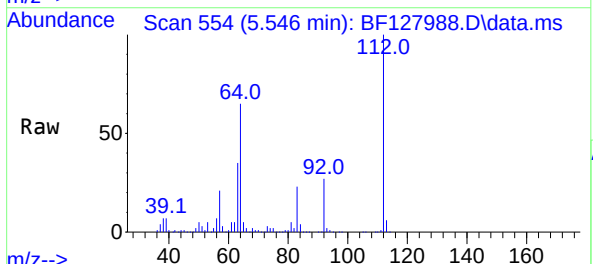
Tgt Ion:152 Resp: 12162
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 66.1 48.8 73.2

Manual Integrations
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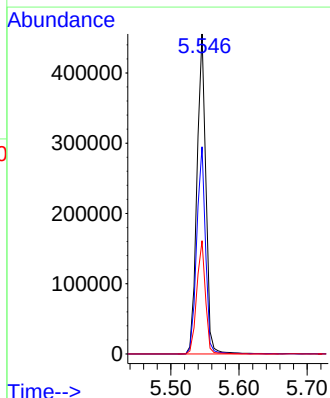
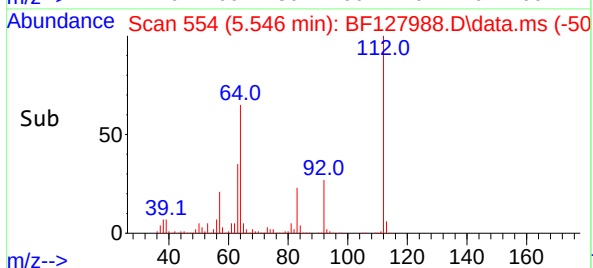
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022



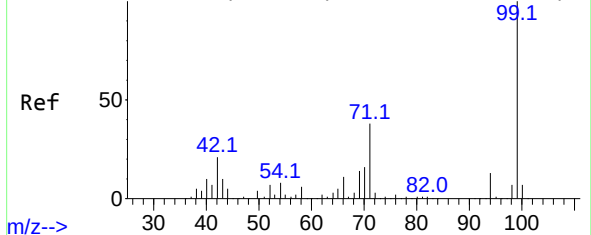
#5
2-Fluorophenol
Concen: 54.238 ng
RT: 5.546 min Scan# 554
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



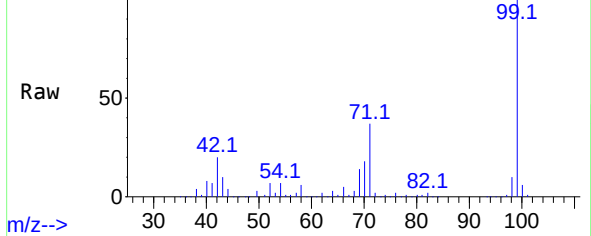
Tgt Ion:112 Resp: 414168
Ion Ratio Lower Upper
112 100
64 64.8 49.5 74.3
63 35.4 26.3 39.5



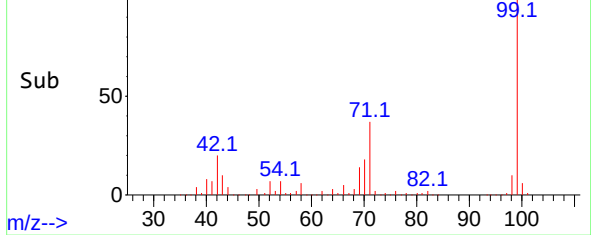
Abundance Scan 728 (6.569 min): BF127861.D\data.ms (-72



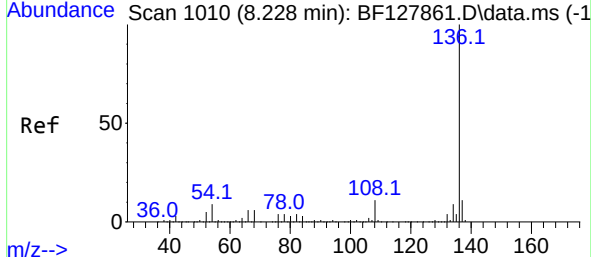
m/z--> Scan 725 (6.551 min): BF127988.D\data.ms



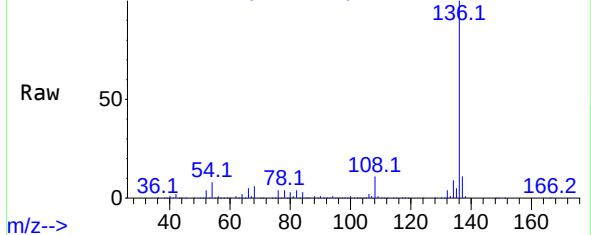
m/z--> Abundance Scan 725 (6.551 min): BF127988.D\data.ms (-67



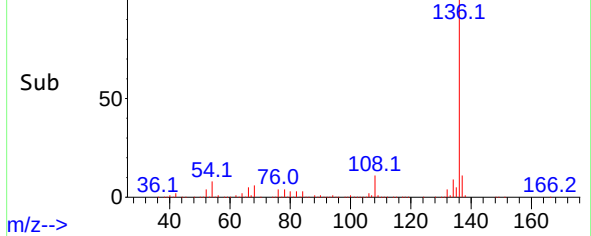
m/z--> Abundance Scan 1010 (8.228 min): BF127861.D\data.ms (-1



m/z--> Abundance Scan 1008 (8.216 min): BF127988.D\data.ms



m/z--> Abundance Scan 1008 (8.216 min): BF127988.D\data.ms (-9



m/z--> Abundance

#7

Phenol-d6

Concen: 54.059 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

Tgt Ion: 99 Resp: 535630

Ion Ratio Lower Upper

99 100

42 19.7 16.6 24.8

71 37.4 30.0 45.0

Instrument :

BNA_F

ClientSampleId :

PSC-164718DL

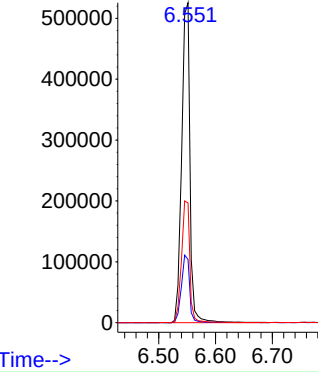
Manual Integrations

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Supervised By :Jagrut Upadhyay 04/29/2022

Abundance



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.216 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF127988.D

Acq: 28 Apr 2022 18:39

Tgt Ion:136 Resp: 449680

Ion Ratio Lower Upper

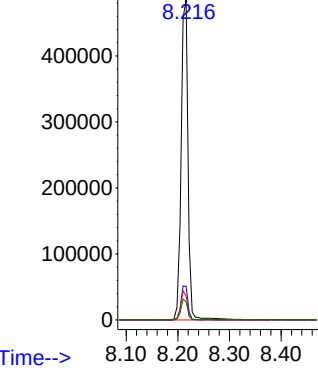
136 100

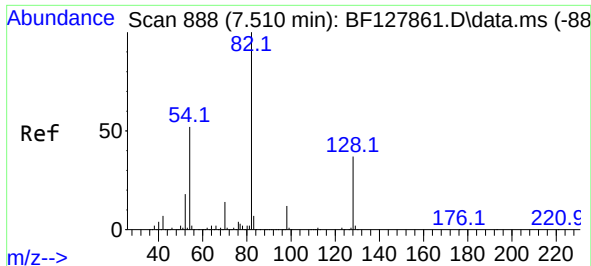
137 10.5 8.6 13.0

54 7.5 6.8 10.2

68 5.7 5.1 7.7

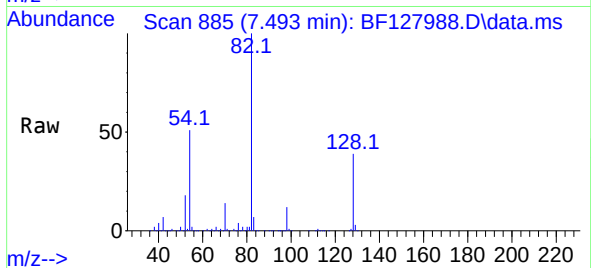
Abundance





#23
Nitrobenzene-d5
Concen: 38.669 ng
RT: 7.493 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

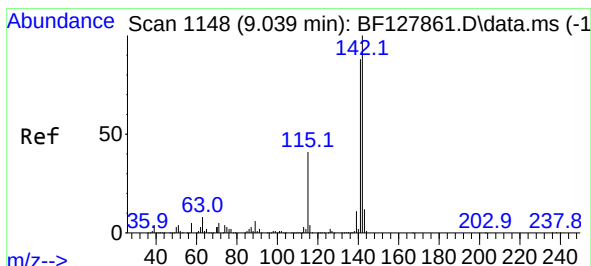
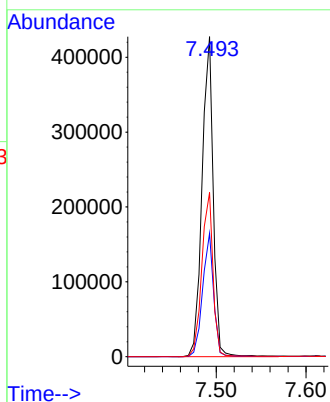
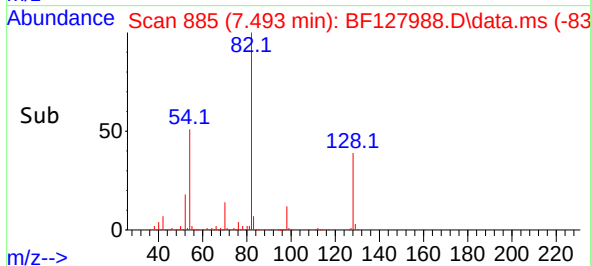
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



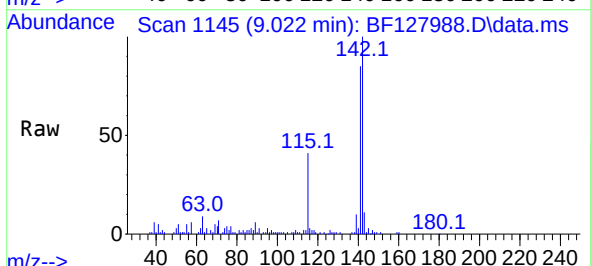
Tgt Ion: 82 Resp: 369780
Ion Ratio Lower Upper
82 100
128 38.5 30.0 45.0
54 51.3 41.3 61.9

Manual Integrations
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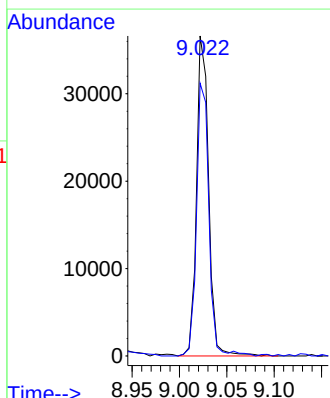
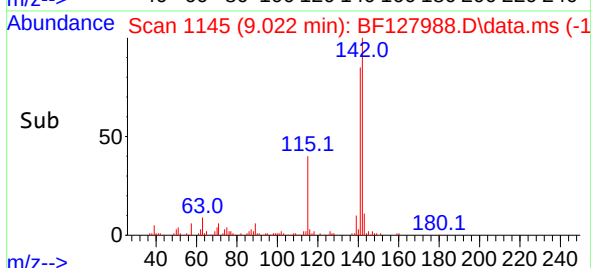
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

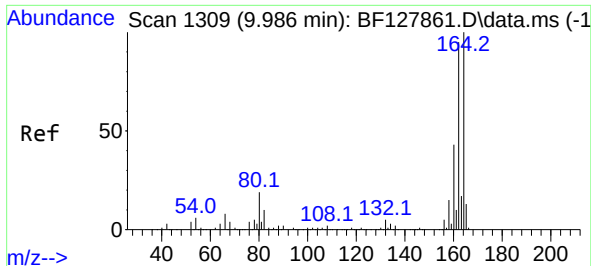


#38
1-Methylnaphthalene
Concen: 2.213 ng
RT: 9.022 min Scan# 1145
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



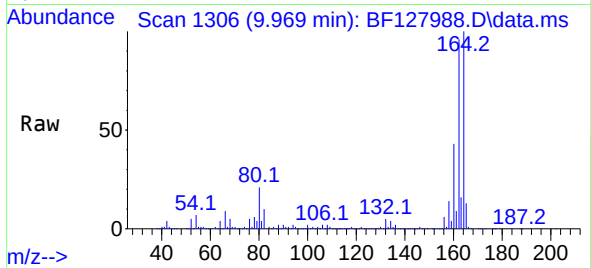
Tgt Ion:142 Resp: 32565
Ion Ratio Lower Upper
142 100
141 85.2 70.1 105.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

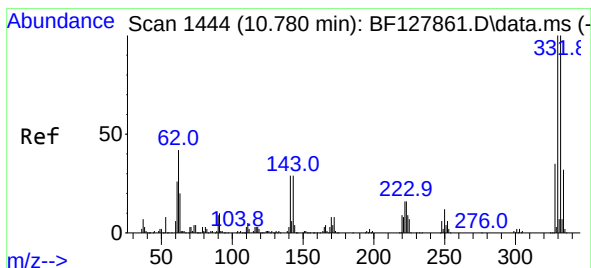
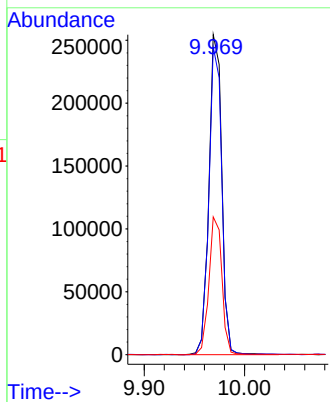
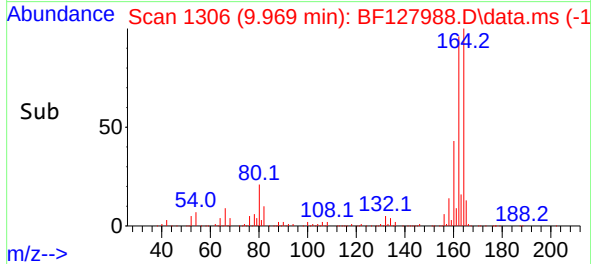
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



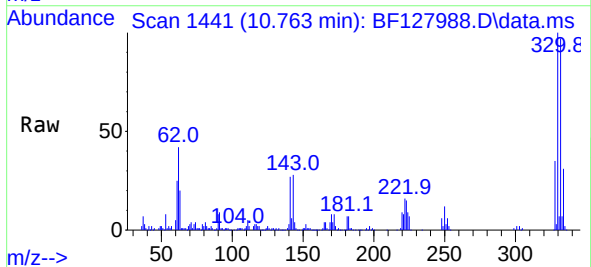
Tgt Ion:164 Resp: 227200
Ion Ratio Lower Upper
164 100
162 96.2 76.0 114.0
160 43.1 34.8 52.2

Manual Integrations
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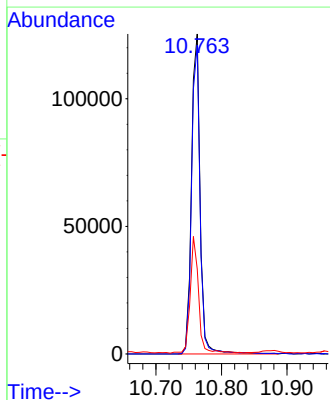
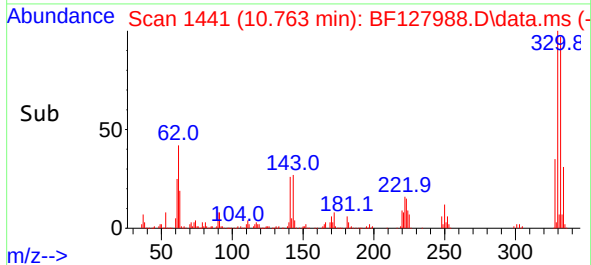
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

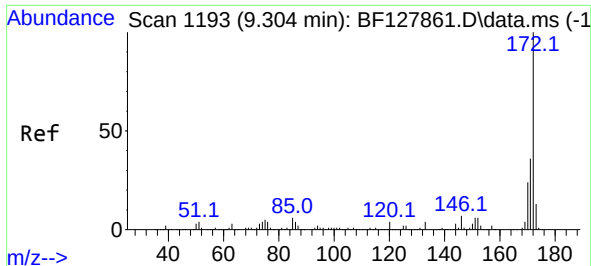


#42
2,4,6-Tribromophenol
Concen: 50.237 ng
RT: 10.763 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



Tgt Ion:330 Resp: 114899
Ion Ratio Lower Upper
330 100
332 94.6 79.0 118.4
141 35.4 28.9 43.3





#45
2-Fluorobiphenyl
Concen: 45.479 ng
RT: 9.287 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Instrument :

BNA_F

ClientSampleId :

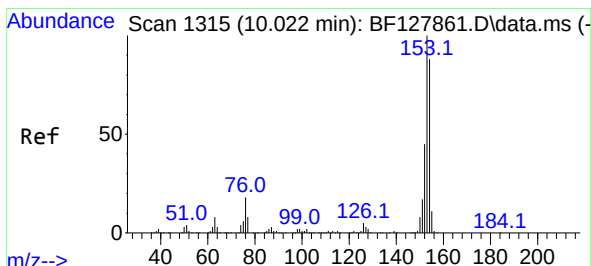
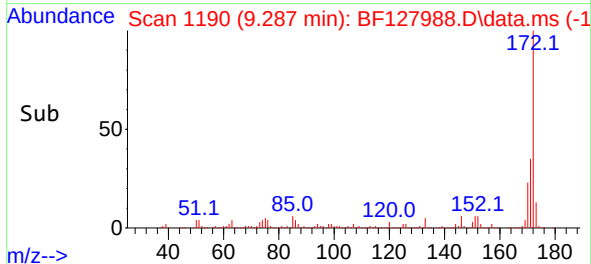
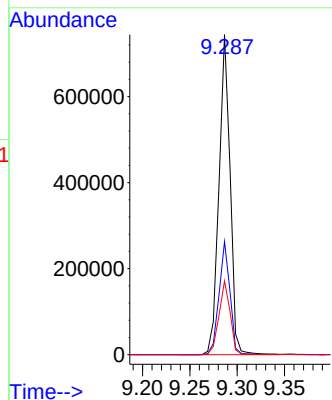
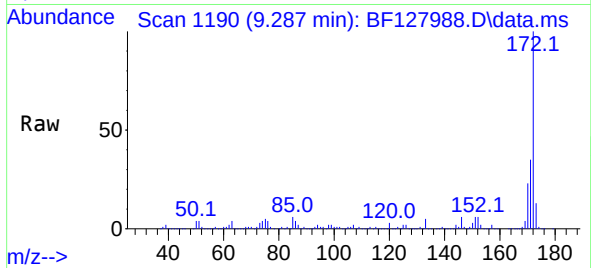
PSC-164718DL

Tgt Ion:172 Resp: 610770
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.1 19.1 28.7

Manual Integrations

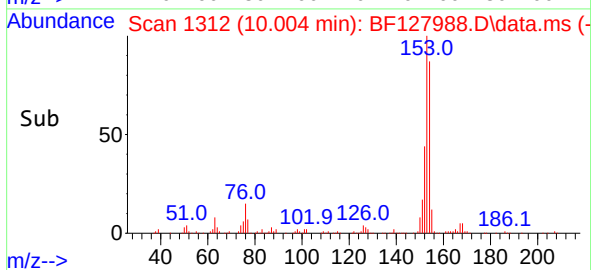
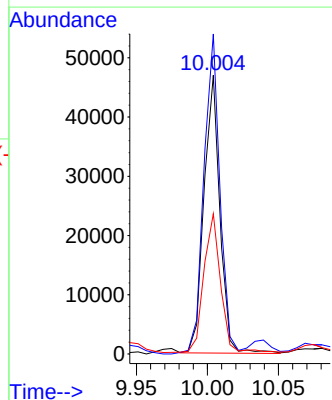
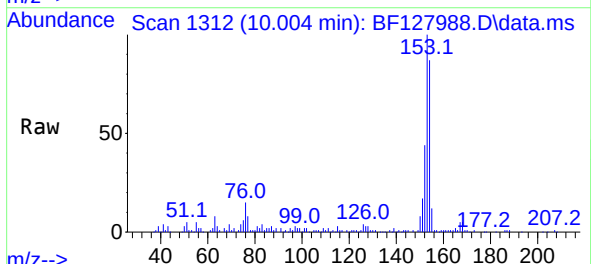
APPROVED

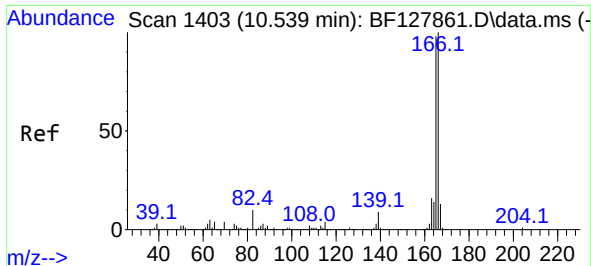
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022



#52
Acenaphthene
Concen: 2.787 ng
RT: 10.004 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:154 Resp: 36719
Ion Ratio Lower Upper
154 100
153 114.8 90.5 135.7
152 50.3 41.0 61.6





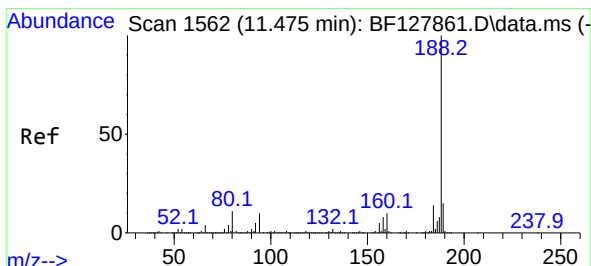
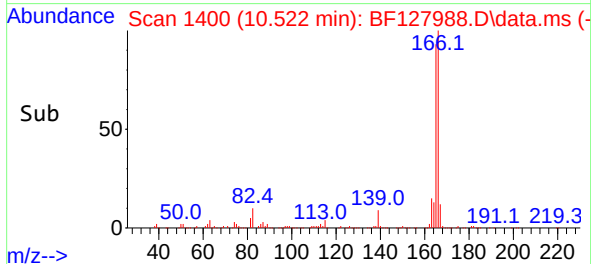
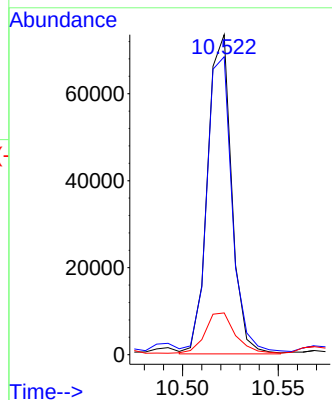
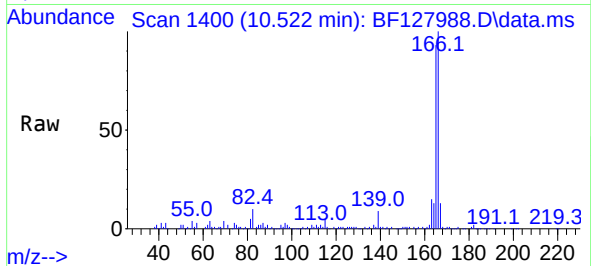
#58
Fluorene
Concen: 4.534 ng m
RT: 10.522 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

Tgt Ion:166 Resp: 64310
Ion Ratio Lower Upper
166 100
165 93.1 78.6 117.8
167 13.1 10.5 15.7

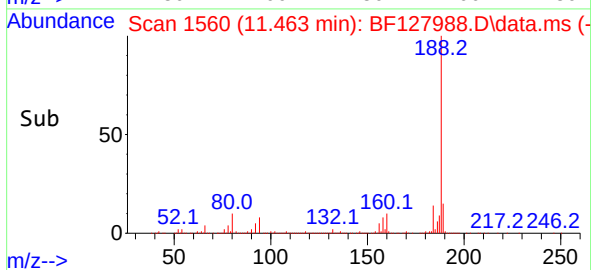
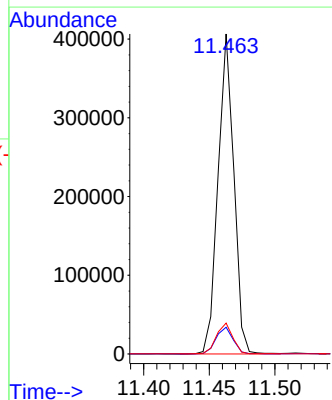
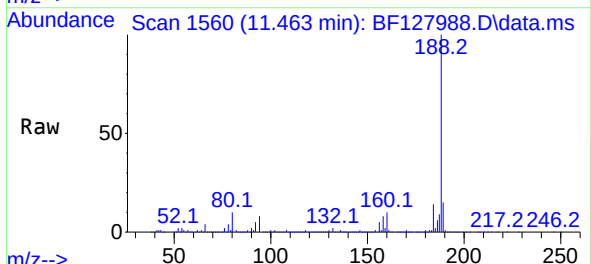
Manual Integrations
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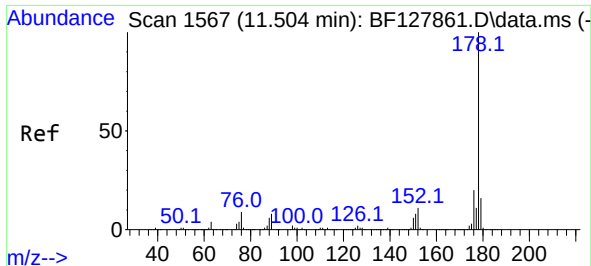
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

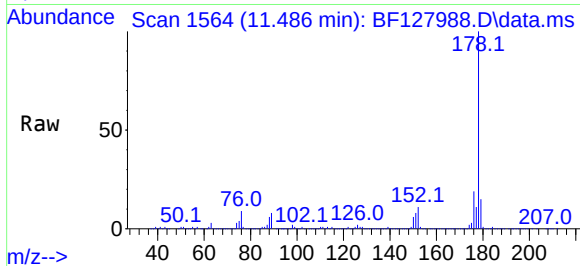
Tgt Ion:188 Resp: 340754
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.7 8.9 13.3





#71
Phenanthrene
Concen: 22.866 ng
RT: 11.486 min Scan# 11573
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

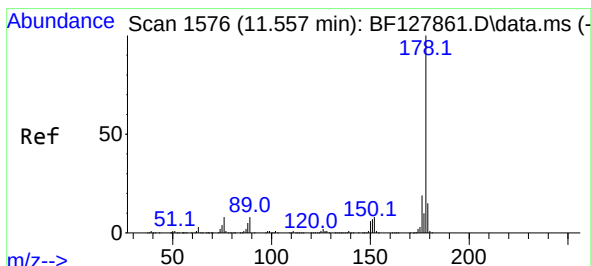
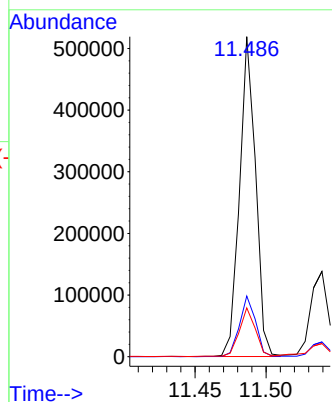
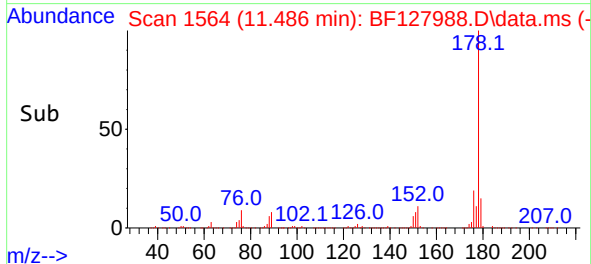
Instrument :
BNA_F
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PSC-164718DL



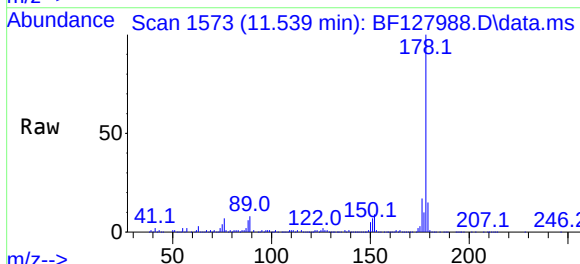
Tgt Ion:178 Resp: 40785
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.3 12.6 19.0

Manual Integrations
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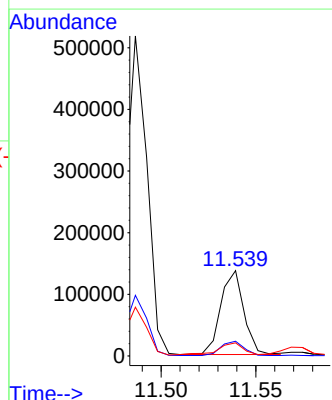
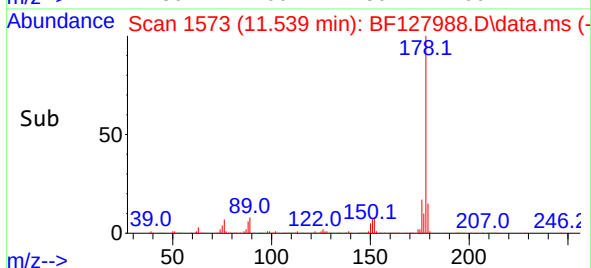
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

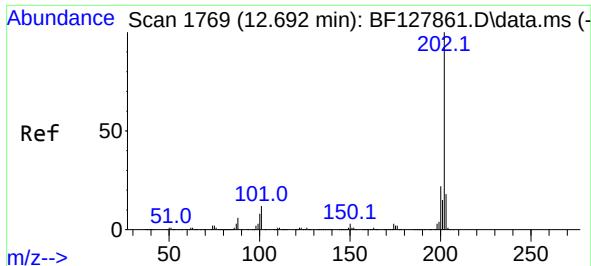


#72
Anthracene
Concen: 6.494 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



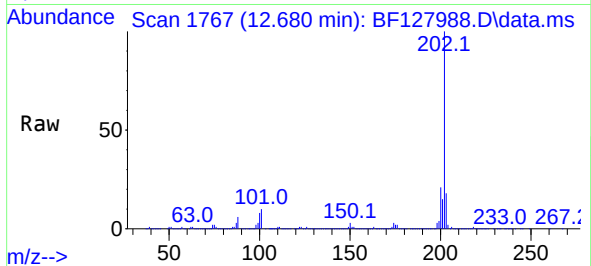
Tgt Ion:178 Resp: 115382
Ion Ratio Lower Upper
178 100
176 17.3 15.0 22.6
179 15.3 12.4 18.6





#75
Fluoranthene
Concen: 31.688 ng
RT: 12.680 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

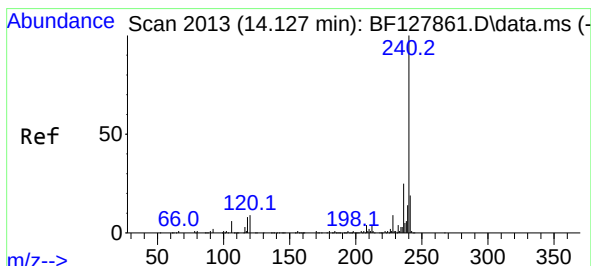
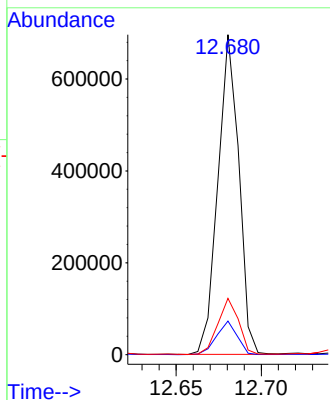
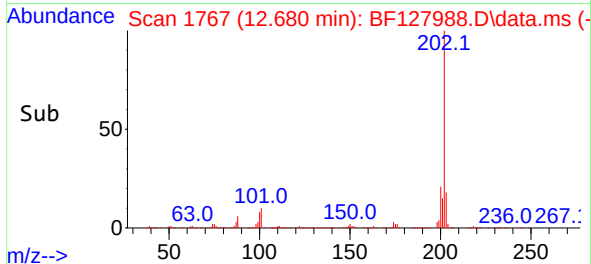
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



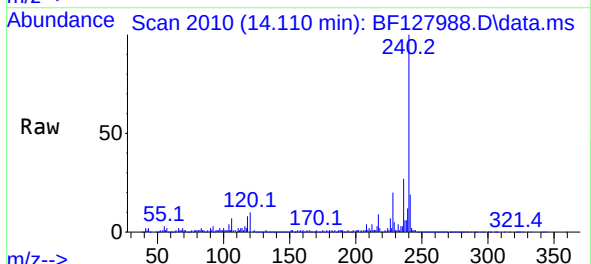
Tgt Ion:202 Resp: 594870
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.6
203 17.6 0.0 38.1

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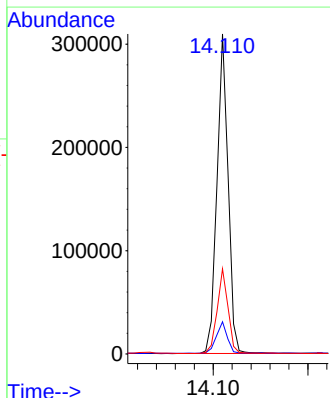
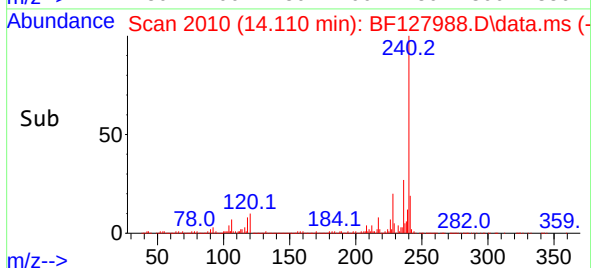
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

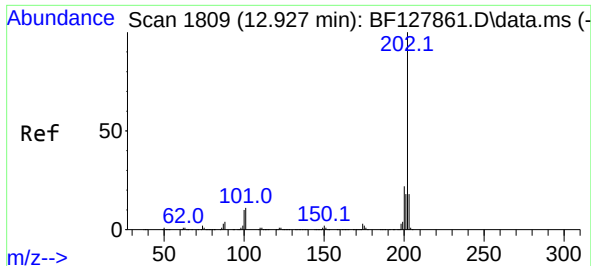


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



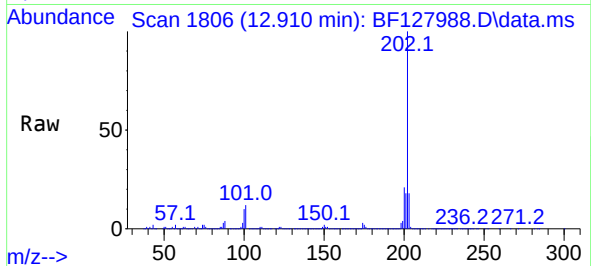
Tgt Ion:240 Resp: 253721
Ion Ratio Lower Upper
240 100
120 10.0 7.0 10.6
236 26.6 20.3 30.5





#78
Pyrene
Concen: 26.624 ng
RT: 12.910 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

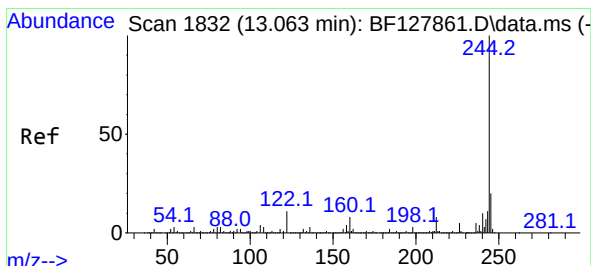
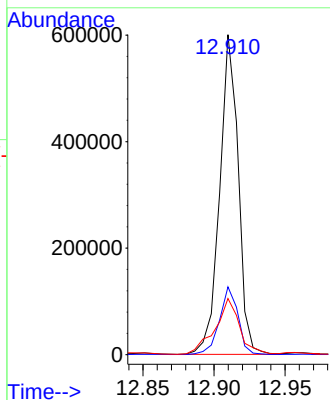
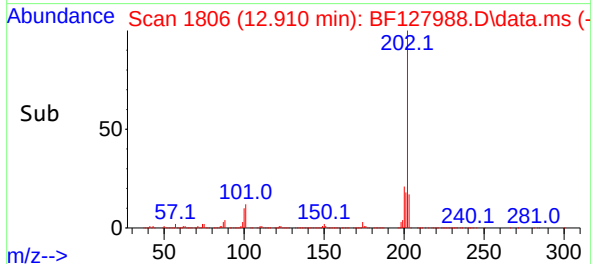
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



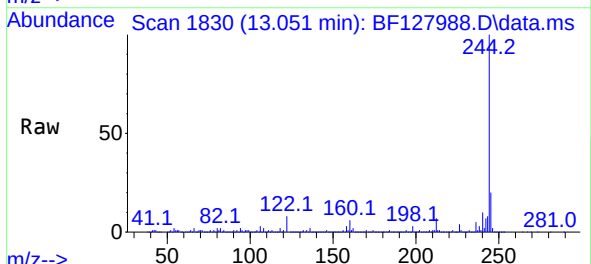
Tgt Ion:202 Resp: 54530
Ion Ratio Lower Upper
202 100
200 21.2 17.4 26.2
203 17.5 14.0 21.0

Manual Integrations
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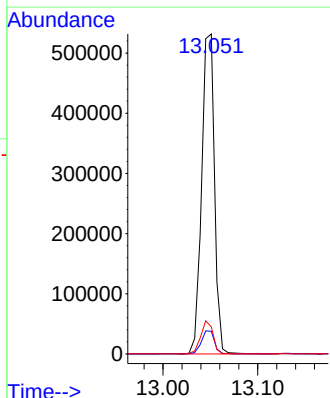
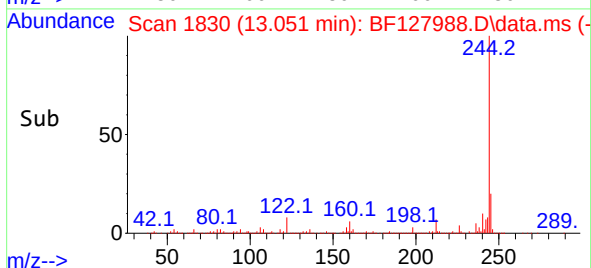
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

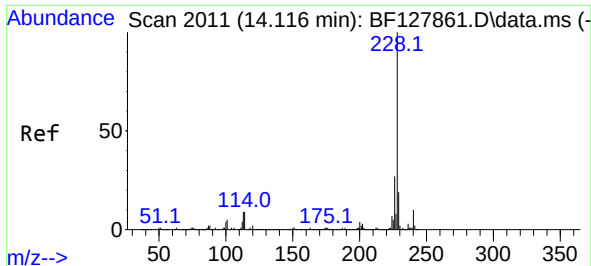


#79
Terphenyl-d14
Concen: 36.026 ng
RT: 13.051 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



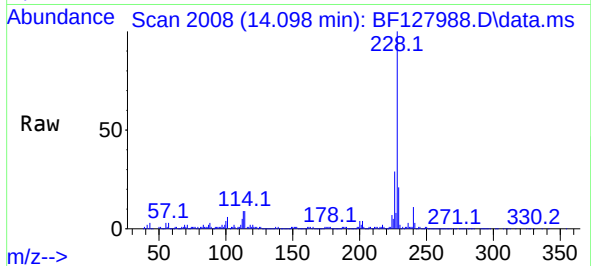
Tgt Ion:244 Resp: 499876
Ion Ratio Lower Upper
244 100
212 7.1 6.2 9.4
122 8.4 8.6 12.8#





#81
Benzo(a)anthracene
Concen: 17.460 ng
RT: 14.098 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

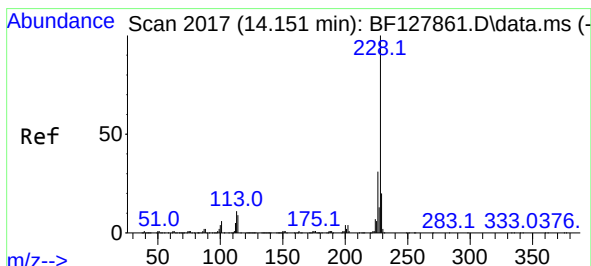
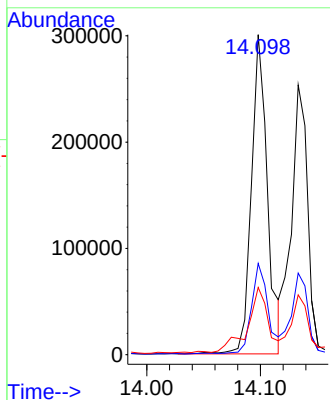
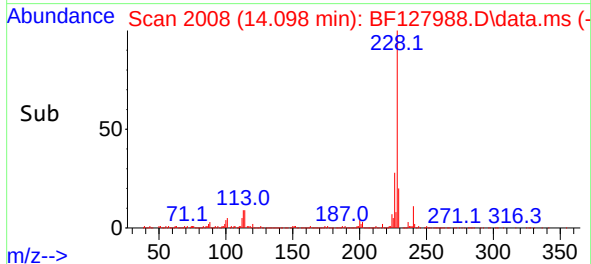
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



Tgt Ion:228 Resp: 29527
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 21.0 15.4 23.2

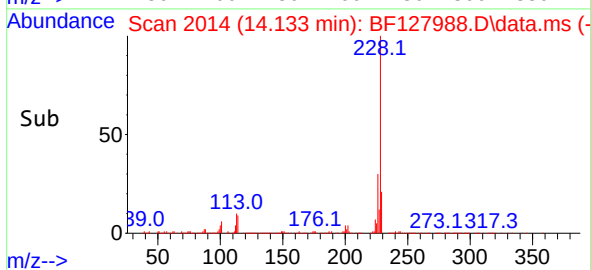
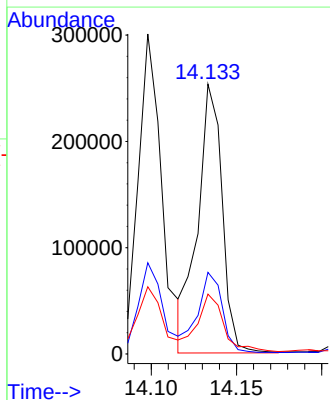
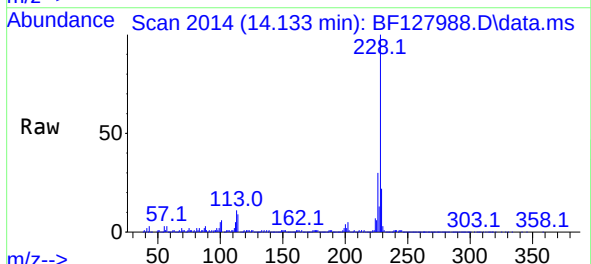
Manual Integrations
APPROVED

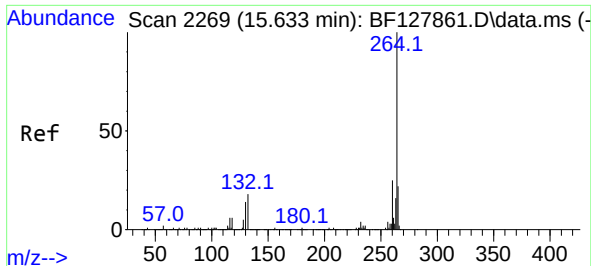
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022



#83
Chrysene
Concen: 15.621 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

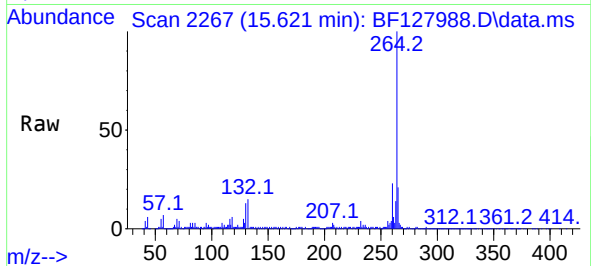
Tgt Ion:228 Resp: 252301
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 22.2 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 215769
Delta R.T. 0.000 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

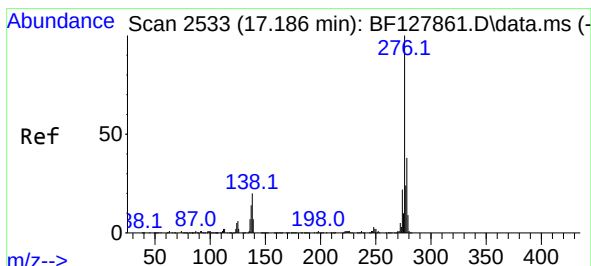
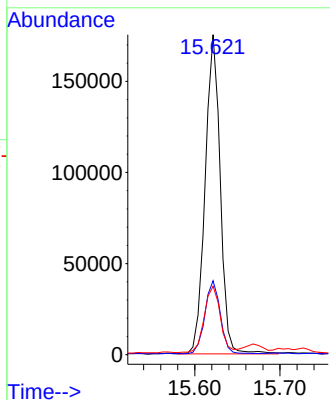
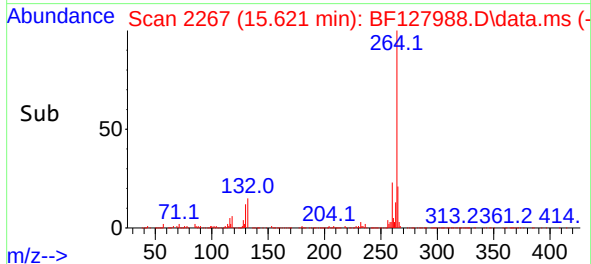
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



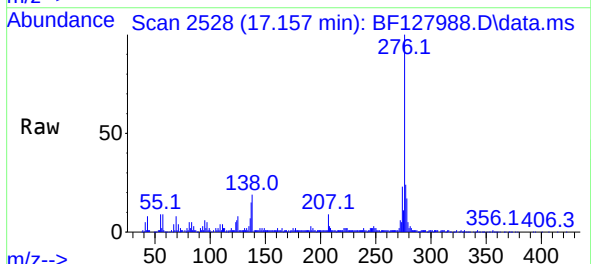
Tgt Ion:264 Resp: 215769
Ion Ratio Lower Upper
264 100
260 23.1 20.1 30.1
265 21.4 17.5 26.3

Manual Integrations
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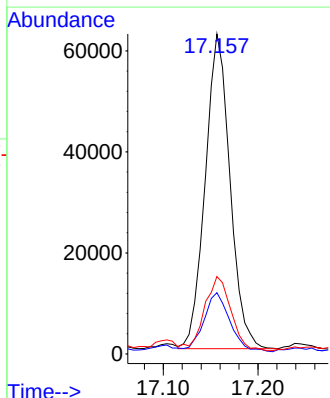
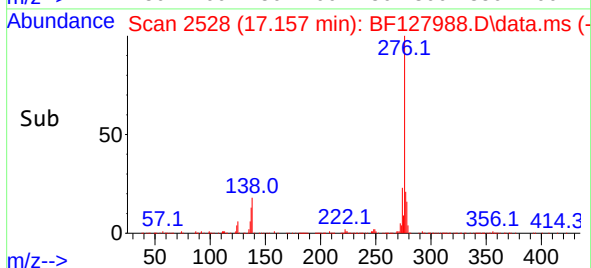
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

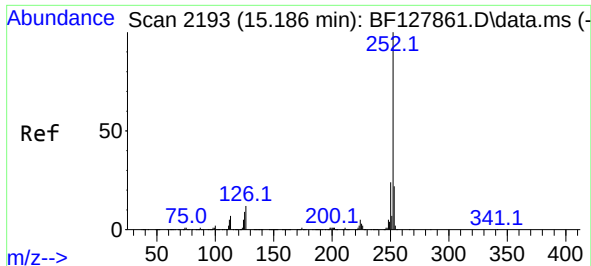


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.868 ng
RT: 17.157 min Scan# 2528
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



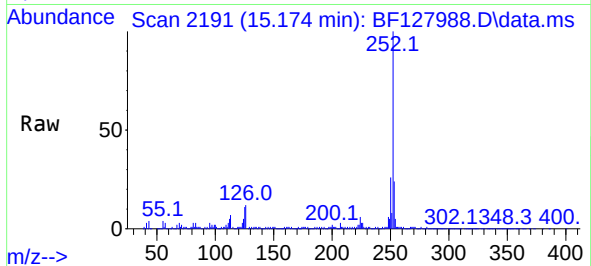
Tgt Ion:276 Resp: 113323
Ion Ratio Lower Upper
276 100
138 19.7 19.0 28.4
277 24.6 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 23.083 ng m
RT: 15.174 min Scan# 2191
Delta R.T. 0.000 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

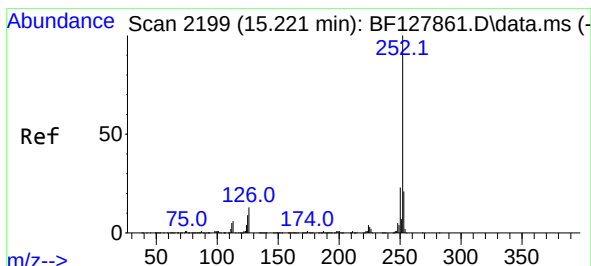
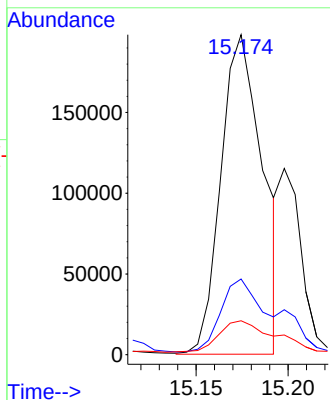
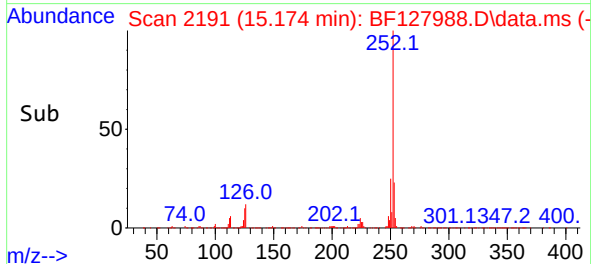
Instrument :
BNA_F
ClientSampleId :
PSC-164718DL



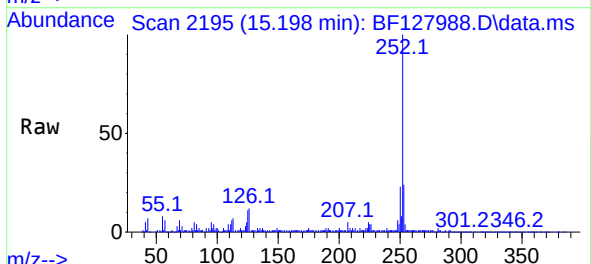
Tgt Ion:252 Resp: 31282
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.2
125 10.6 7.4 11.2

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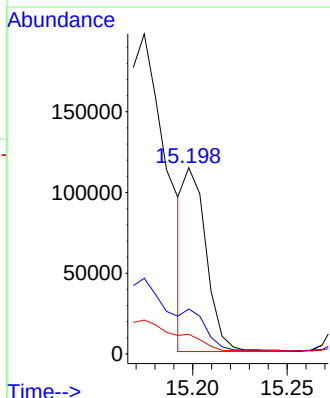
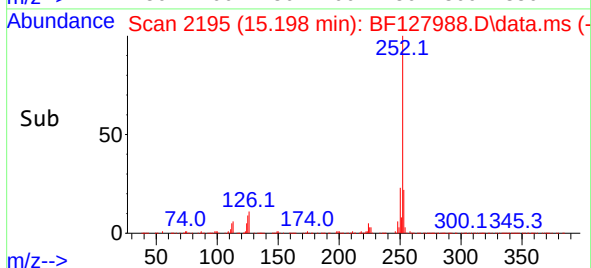
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022

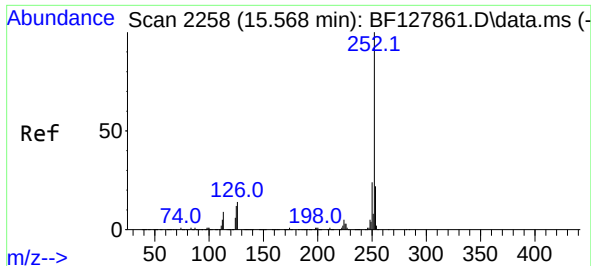


#89
Benzo(k)fluoranthene
Concen: 6.825 ng m
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39



Tgt Ion:252 Resp: 93186
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 10.6 6.8 10.2#





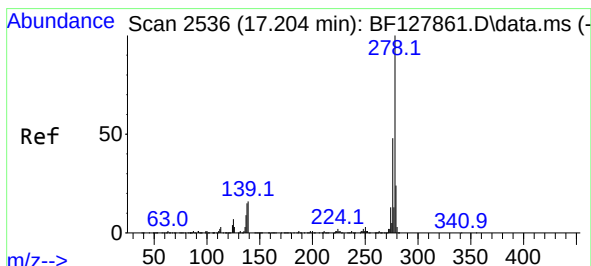
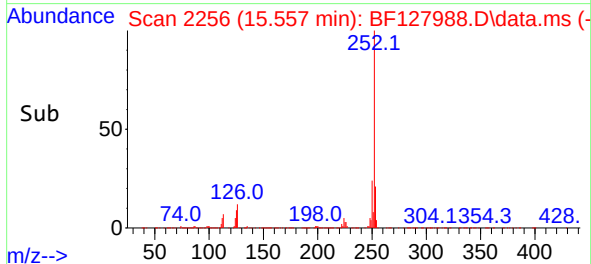
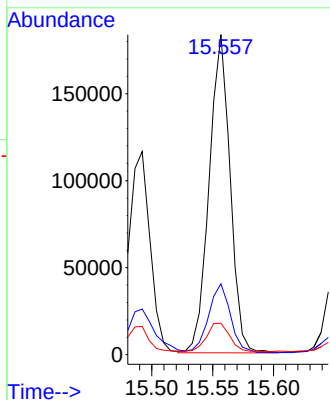
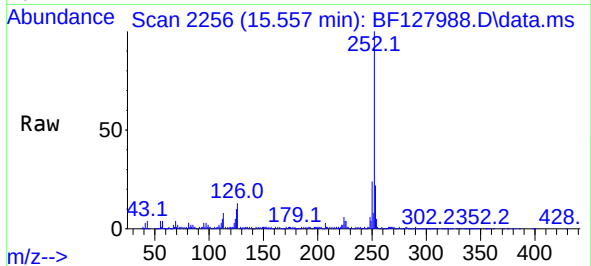
#90
Benzo(a)pyrene
Concen: 19.536 ng
RT: 15.557 min Scan# 21960
Delta R.T. 0.000 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Instrument :
BNA_F
ClientSampleId :
PSC-164718DL

Tgt Ion:252 Resp: 21960
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.6
125 9.8 9.2 13.8

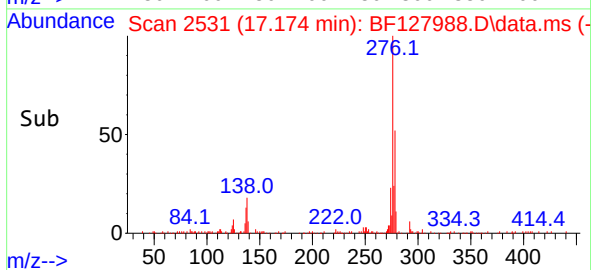
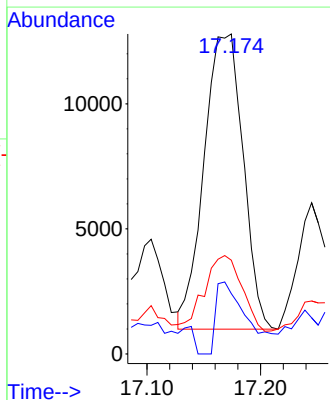
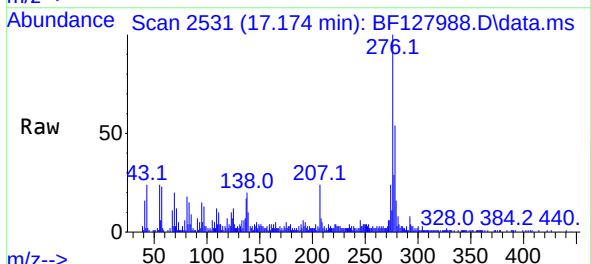
Manual Integrations
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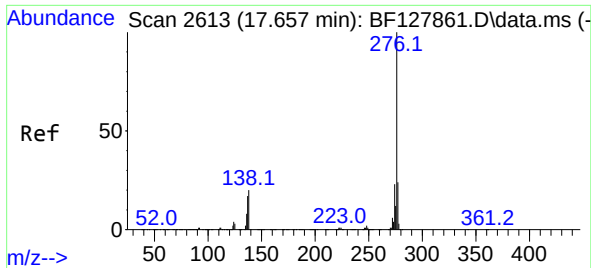
Reviewed By :Christian Giraldo 04/29/2022
Supervised By :Jagrut Upadhyay 04/29/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.441 ng
RT: 17.174 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF127988.D
Acq: 28 Apr 2022 18:39

Tgt Ion:278 Resp: 28195
Ion Ratio Lower Upper
278 100
139 18.8 12.6 19.0
279 29.3 18.9 28.3#





#92
 Benzo(g,h,i)perylene
 Concen: 8.968 ng
 RT: 17.627 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF127988.D
 Acq: 28 Apr 2022 18:39

Instrument :

BNA_F

ClientSampleId :

PSC-164718DL

Tgt Ion:276 Resp: 10916
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.8 28.2
 138 19.0 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/29/2022
 Supervised By :Jagrut Upadhyay 04/29/2022

