

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
 Data File : BF127965.D
 Acq On : 28 Apr 2022 00:41
 Operator : CG\JU
 Sample : N2564-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PSC-124019

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/28/2022
 Supervised By : Jagrut Upadhyay 04/28/2022

Quant Time: Apr 28 05:18:10 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	98137	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	360592	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	179881	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	263446	20.000	ng	# 0.00
76) Chrysene-d12	14.104	240	206158	20.000	ng	-0.01
86) Perylene-d12	15.615	264	255530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	612460	99.404	ng	0.00
7) Phenol-d6	6.551	99	792588	99.138	ng	-0.01
23) Nitrobenzene-d5	7.492	82	564877	73.665	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	154973	85.582	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	864534	81.308	ng	0.00
79) Terphenyl-d14	13.045	244	614456	54.500	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.486	178	60427	4.382	ng	98
75) Fluoranthene	12.674	202	82806	5.705	ng	97
78) Pyrene	12.910	202	71415	4.291	ng	98
81) Benzo(a)anthracene	14.098	228	46963	3.418	ng	95
83) Chrysene	14.133	228	51015	3.887	ng	96
87) Indeno(1,2,3-cd)pyrene	17.145	276	35723	2.094	ng	96
88) Benzo(b)fluoranthene	15.168	252	79277m	4.940	ng	
90) Benzo(a)pyrene	15.545	252	54442	4.089	ng	98
92) Benzo(g,h,i)perylene	17.609	276	32019	2.221	ng	97

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

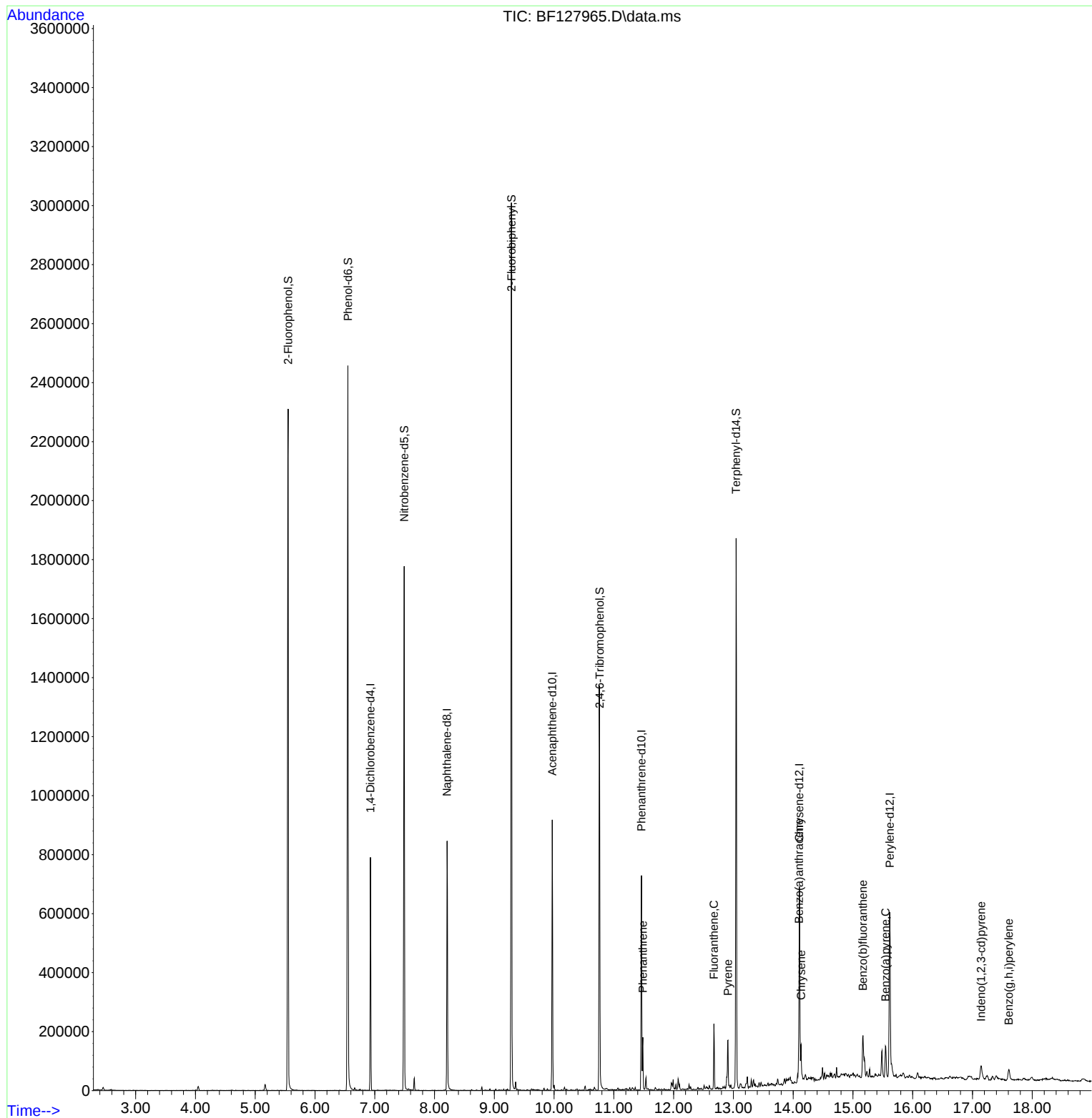
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

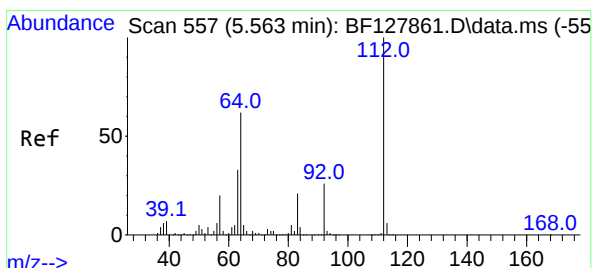
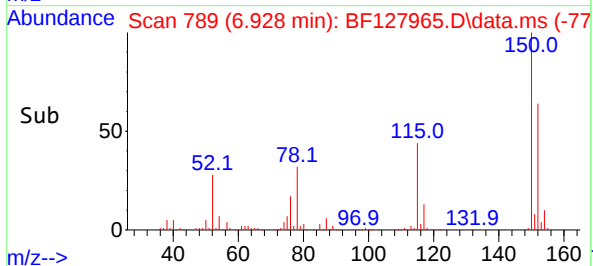
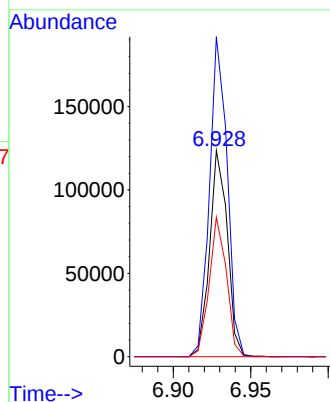
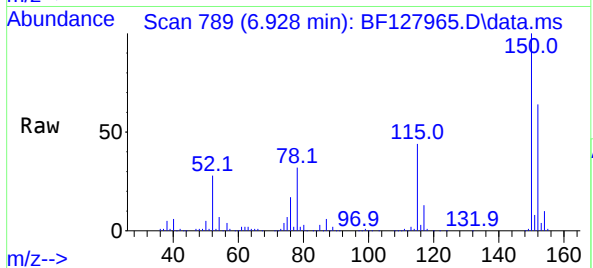
PSC-124019

Tgt Ion:152 Resp: 9813
Ion Ratio Lower Upper
152 100
150 155.2 125.3 187.9
115 67.7 48.8 73.2

Manual Integrations

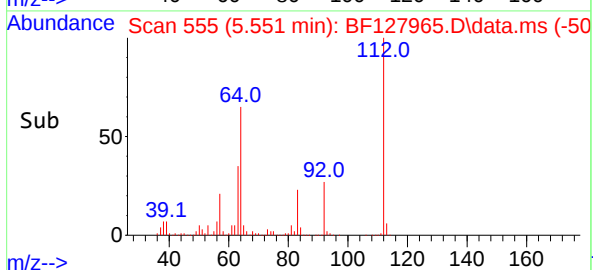
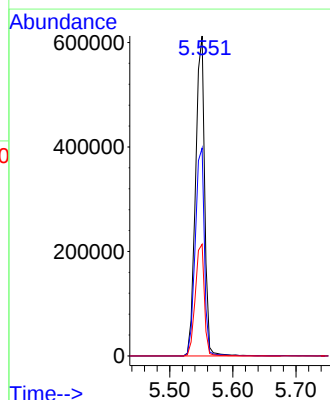
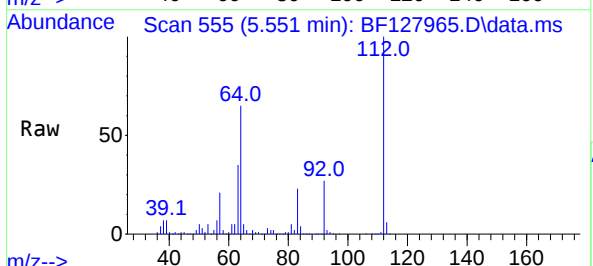
APPROVED

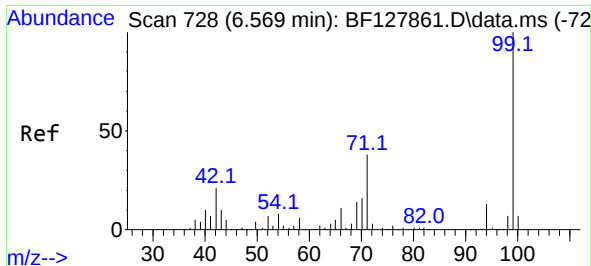
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#5
2-Fluorophenol
Concen: 99.404 ng
RT: 5.551 min Scan# 555
Delta R.T. 0.000 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

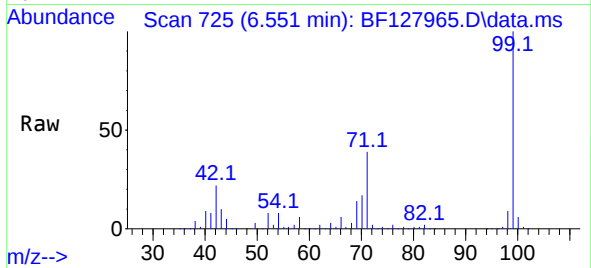
Tgt Ion:112 Resp: 612460
Ion Ratio Lower Upper
112 100
64 65.0 49.5 74.3
63 34.9 26.3 39.5





#7
Phenol-d6
Concen: 99.138 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

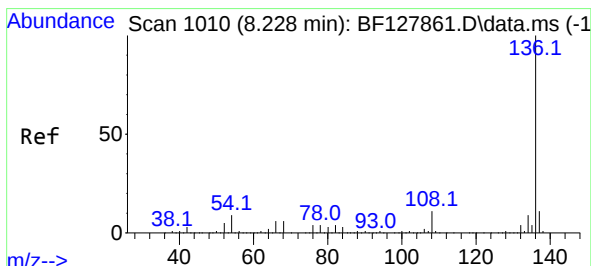
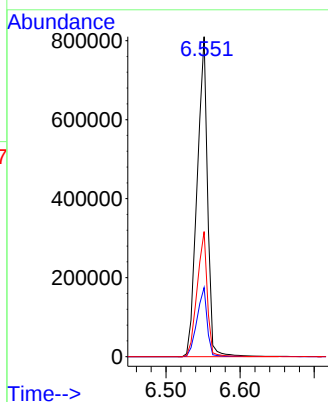
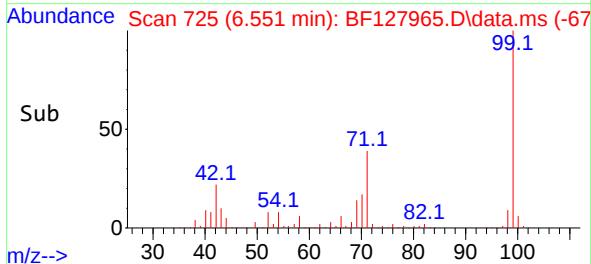
Instrument :
BNA_F
ClientSampleId :
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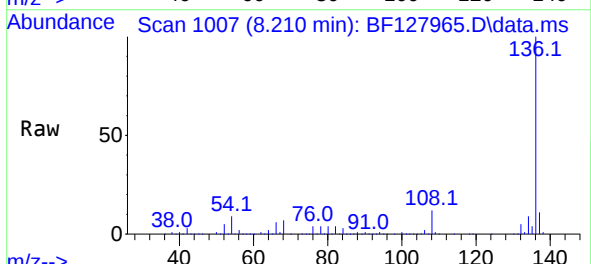
Tgt Ion: 99 Resp: 792588
Ion Ratio Lower Upper
99 100
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71 39.1 30.0 45.0

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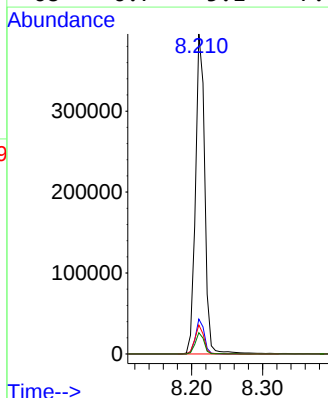
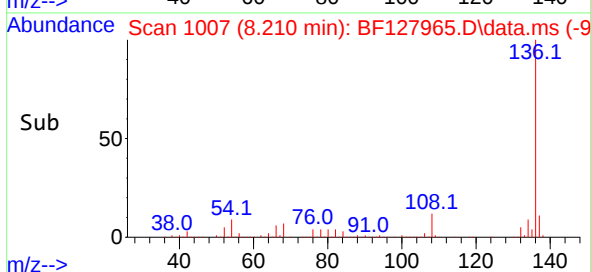
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41



Tgt Ion:136 Resp: 360592
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.1 6.8 10.2
68 6.7 5.1 7.7





#23

Nitrobenzene-d5

Concen: 73.665 ng

RT: 7.492 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127965.D

Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

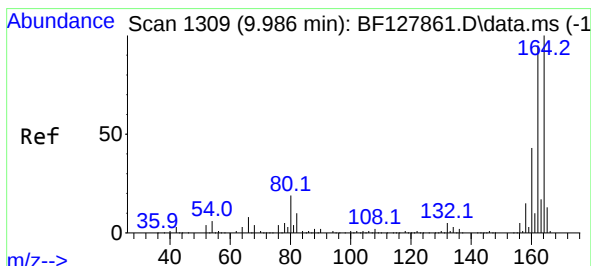
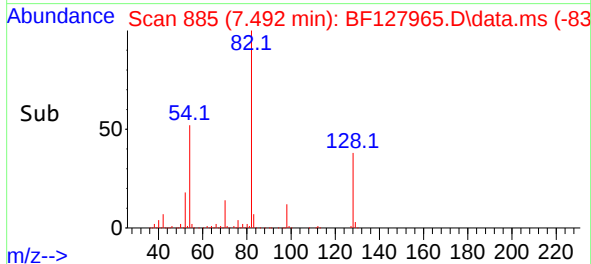
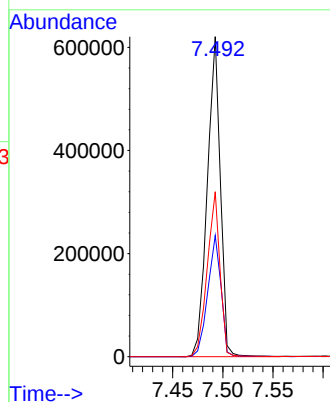
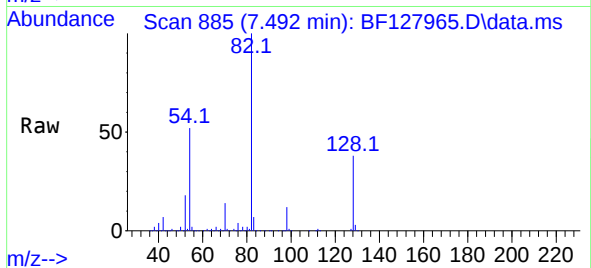
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Tgt Ion: 82 Resp: 56487
 Ion Ratio Lower Upper
 82 100
 128 37.9 30.0 45.0
 54 51.5 41.3 61.9

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#39

Acenaphthene-d10

Concen: 20.000 ng

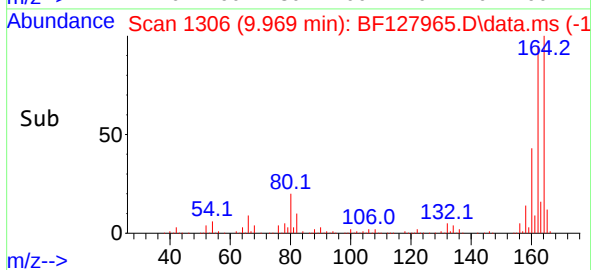
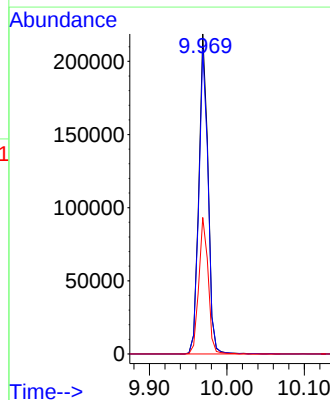
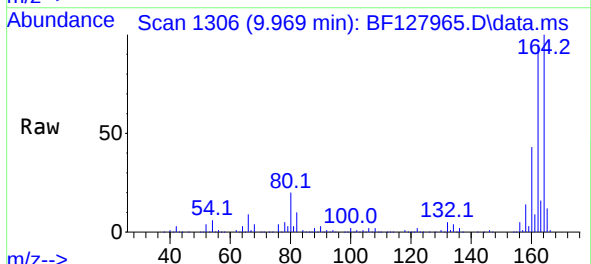
RT: 9.969 min Scan# 1306

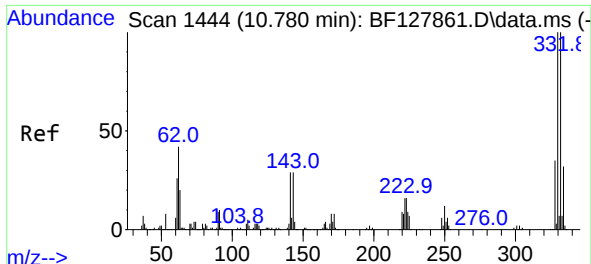
Delta R.T. -0.006 min

Lab File: BF127965.D

Acq: 28 Apr 2022 00:41

Tgt Ion:164 Resp: 179881
 Ion Ratio Lower Upper
 164 100
 162 95.2 76.0 114.0
 160 42.7 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 85.582 ng
RT: 10.763 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

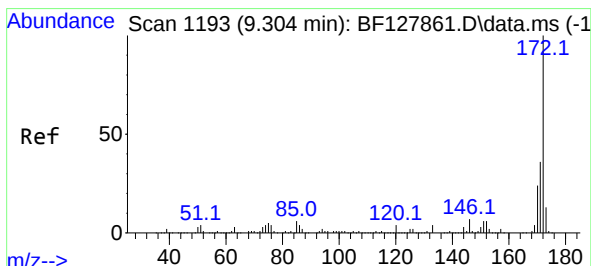
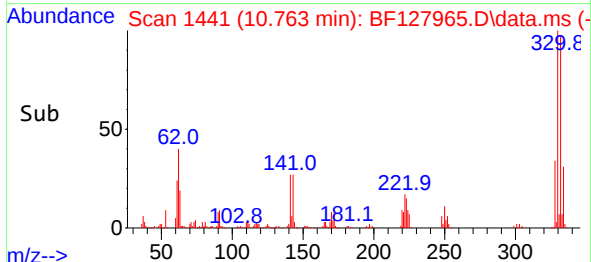
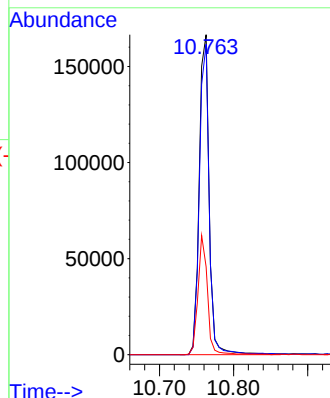
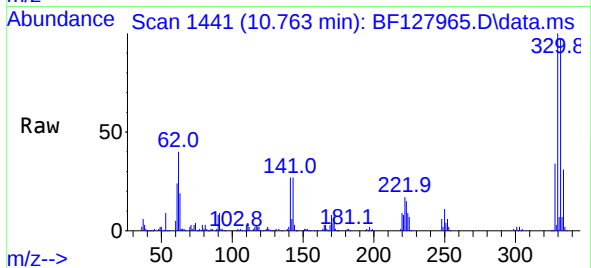
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Tgt Ion:330 Resp: 15497
Ion Ratio Lower Upper
330 100
332 95.1 79.0 118.4
141 35.5 28.9 43.3

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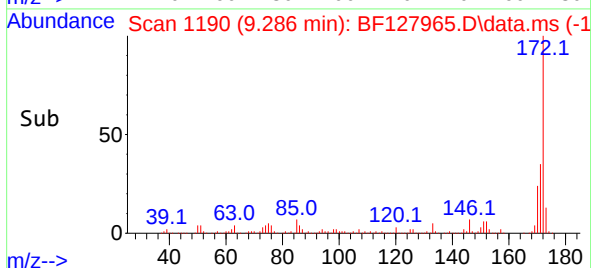
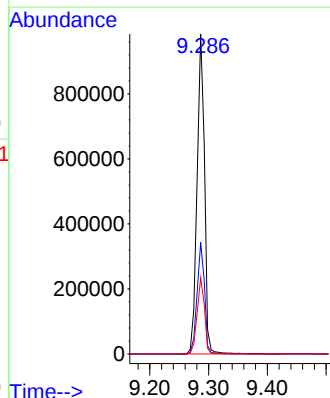
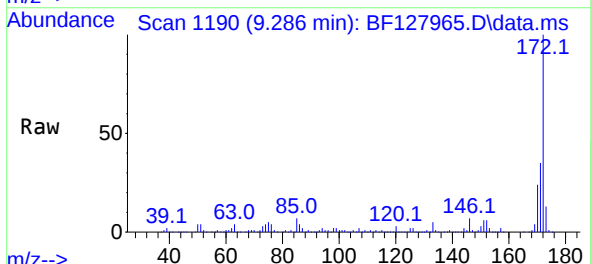
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#45
2-Fluorobiphenyl
Concen: 81.308 ng
RT: 9.286 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

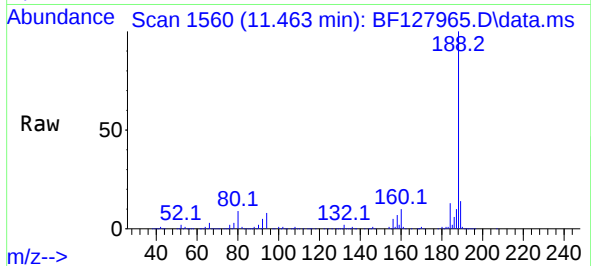
Tgt Ion:172 Resp: 864534
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

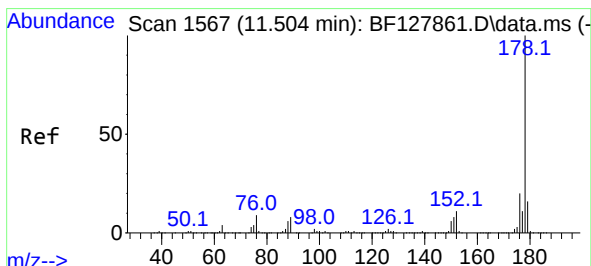
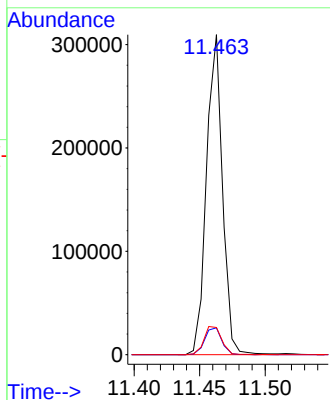
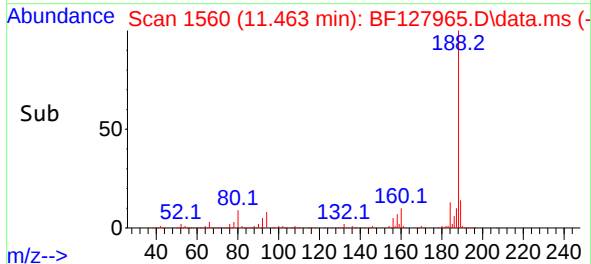
Instrument :
BNA_F
ClientSampleId :
PSC-124019



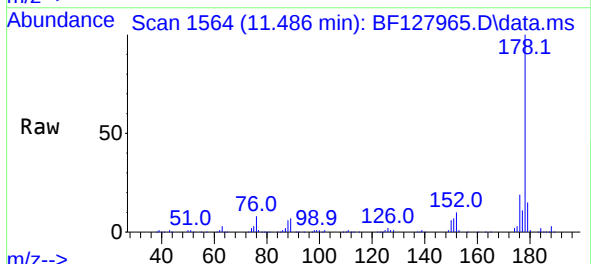
Tgt Ion:188 Resp: 263440
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 8.5 8.9 13.3

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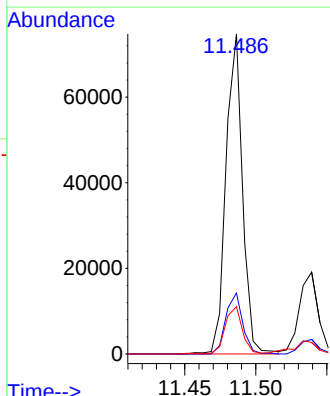
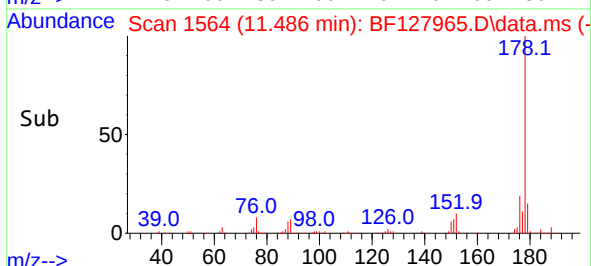
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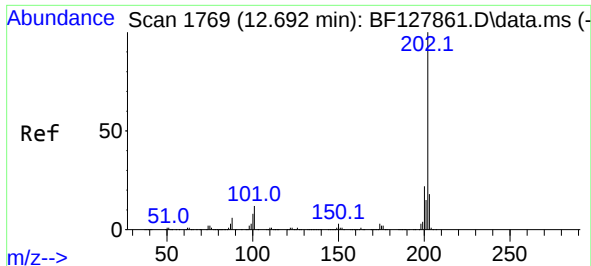


#71
Phenanthrene
Concen: 4.382 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41



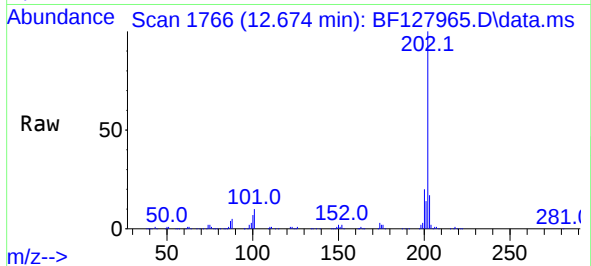
Tgt Ion:178 Resp: 60427
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 14.8 12.6 19.0





#75
Fluoranthene
Concen: 5.705 ng
RT: 12.674 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

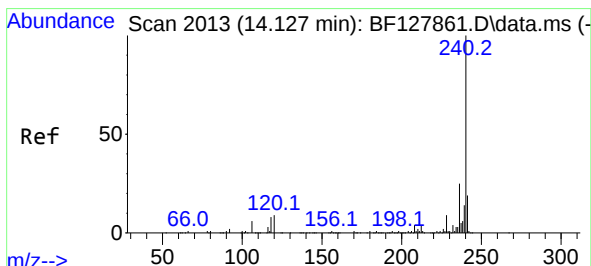
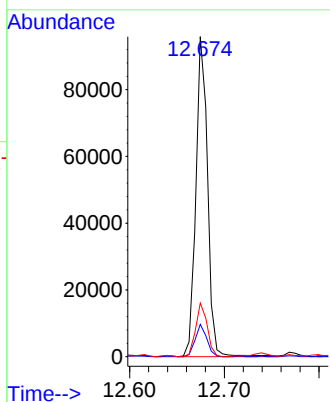
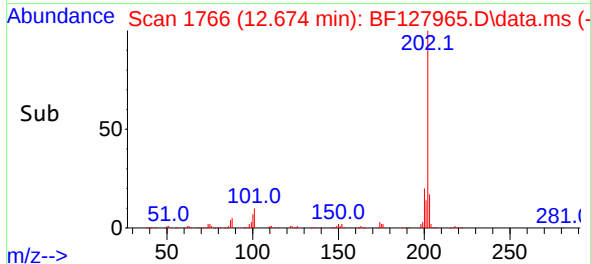
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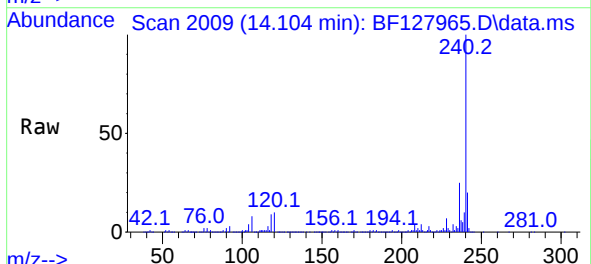
Tgt Ion:202 Resp: 82800
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.6
203 16.8 0.0 38.1

Manual Integrations
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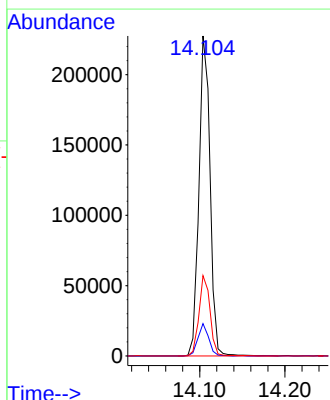
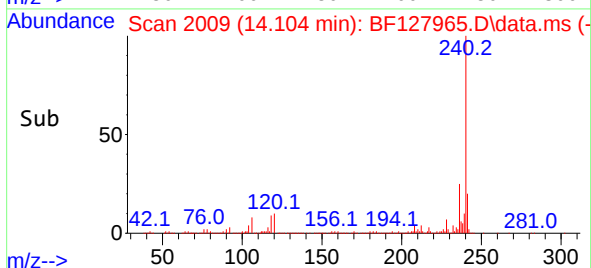
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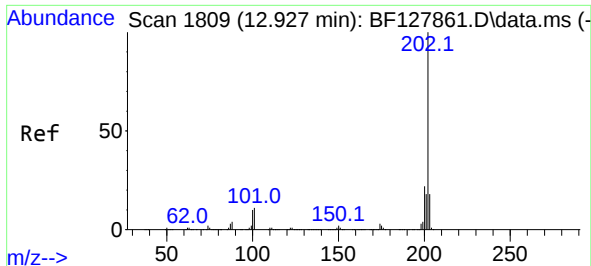


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41



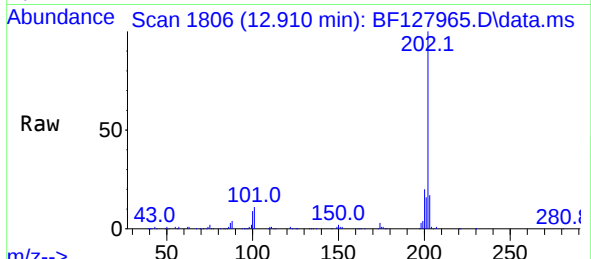
Tgt Ion:240 Resp: 206158
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 25.1 20.3 30.5





#78
Pyrene
Concen: 4.291 ng
RT: 12.910 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

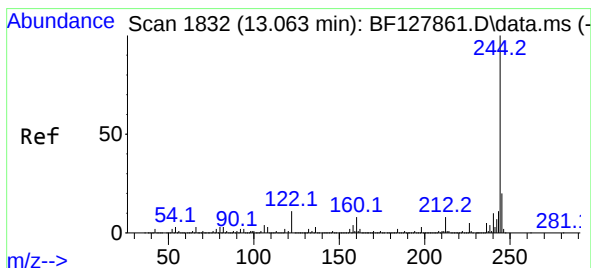
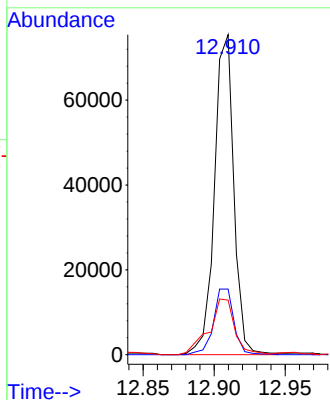
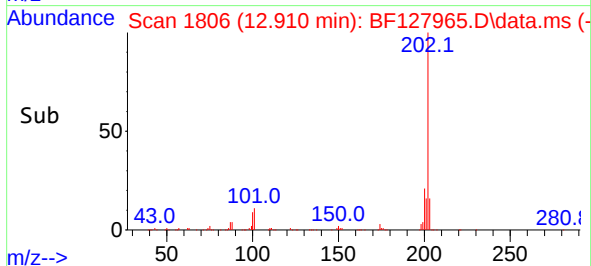
Instrument :
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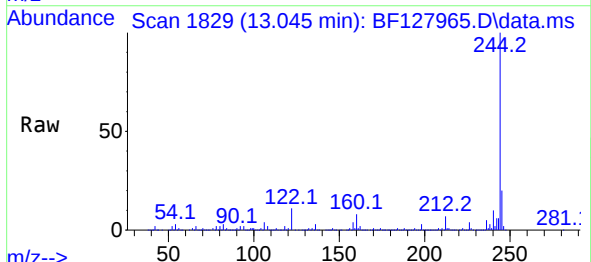
Tgt Ion:202 Resp: 71415
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.1 14.0 21.0

Manual Integrations
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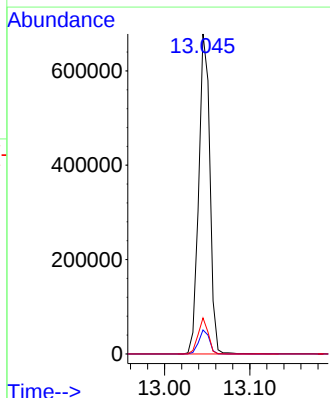
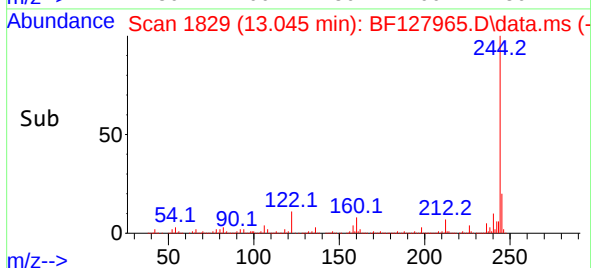
Reviewed By :Christian Giraldo 04/28/2022
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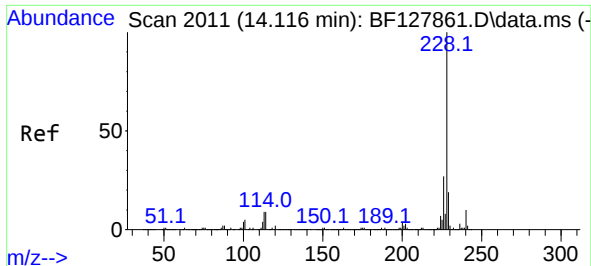


#79
Terphenyl-d14
Concen: 54.500 ng
RT: 13.045 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41



Tgt Ion:244 Resp: 614456
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.4
122 11.2 8.6 12.8





#81

Benzo(a)anthracene

Concen: 3.418 ng

RT: 14.098 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF127965.D

Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

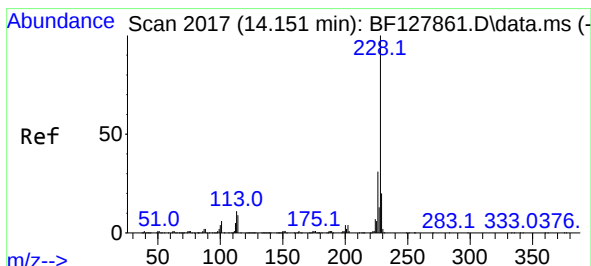
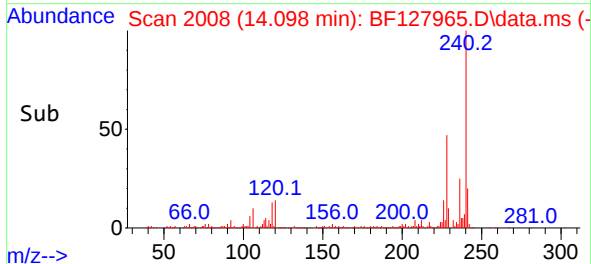
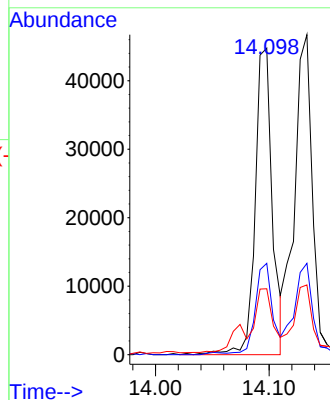
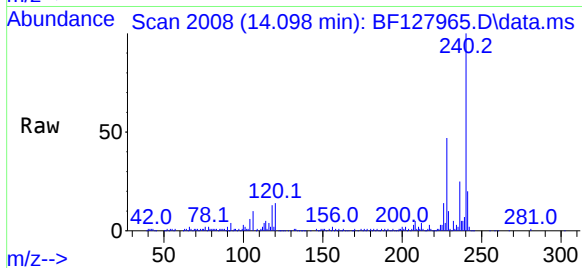
PSC-124019

Tgt Ion:228 Resp: 4696
Ion Ratio Lower Upper
228 100
226 29.8 21.7 32.5
229 21.5 15.4 23.2

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Supervised By :Jagrut Upadhyay 04/28/2022



#83

Chrysene

Concen: 3.887 ng

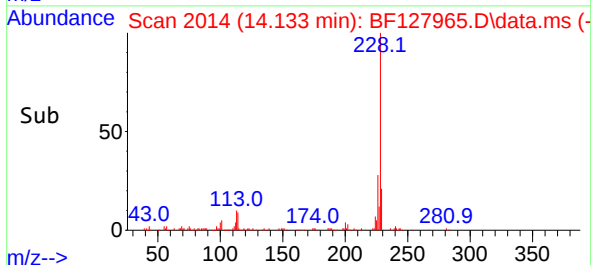
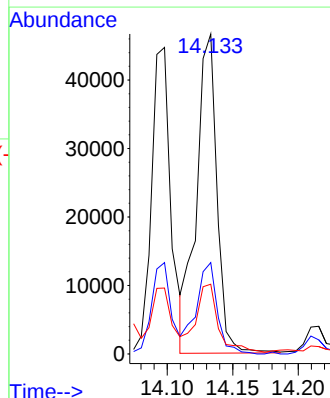
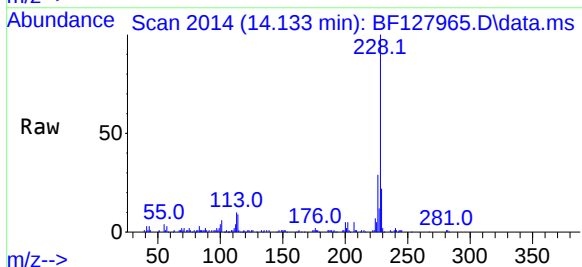
RT: 14.133 min Scan# 2014

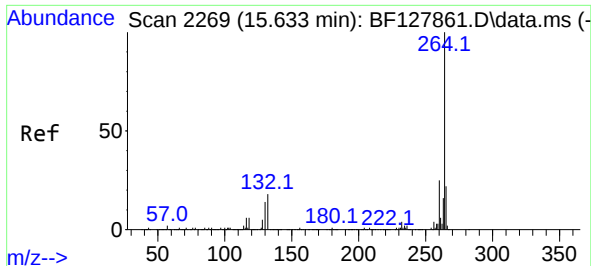
Delta R.T. -0.006 min

Lab File: BF127965.D

Acq: 28 Apr 2022 00:41

Tgt Ion:228 Resp: 51015
Ion Ratio Lower Upper
228 100
226 28.6 24.4 36.6
229 21.8 15.8 23.8





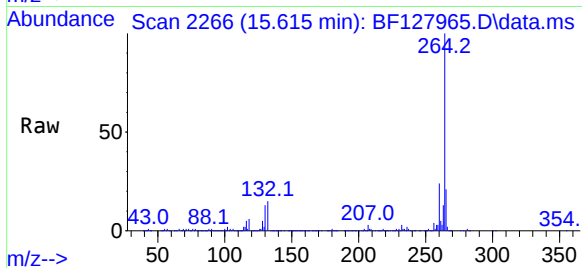
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

PSC-124019

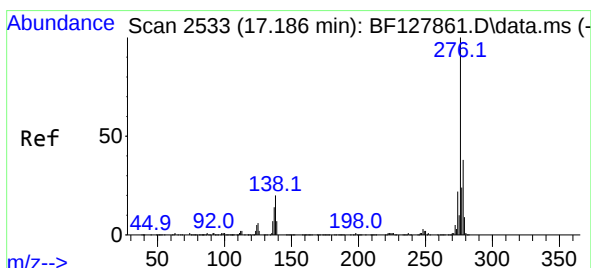
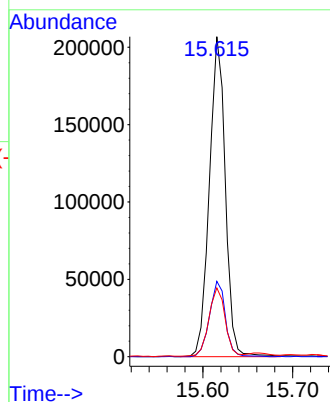
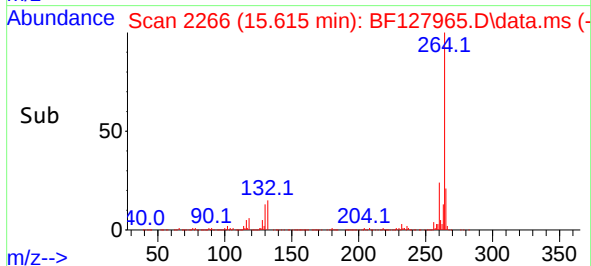


Tgt Ion:264 Resp: 255530
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 21.5 17.5 26.3

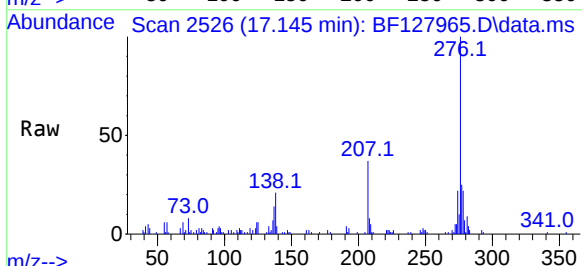
Manual Integrations

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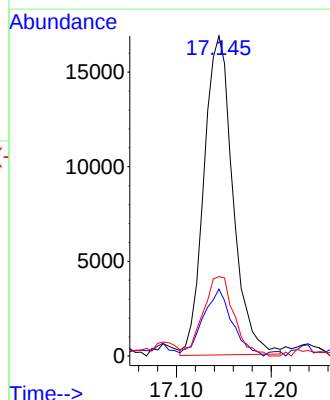
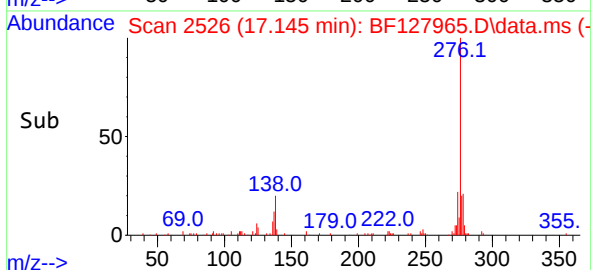
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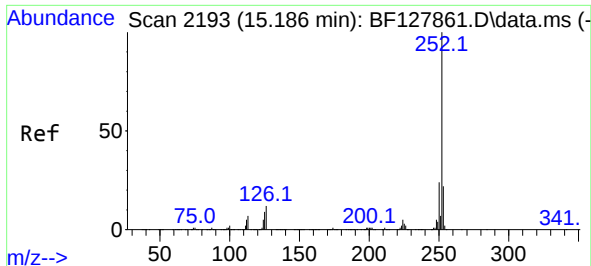


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.094 ng
RT: 17.145 min Scan# 2526
Delta R.T. -0.023 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41



Tgt Ion:276 Resp: 35723
Ion Ratio Lower Upper
276 100
138 21.2 19.0 28.4
277 26.6 20.1 30.1





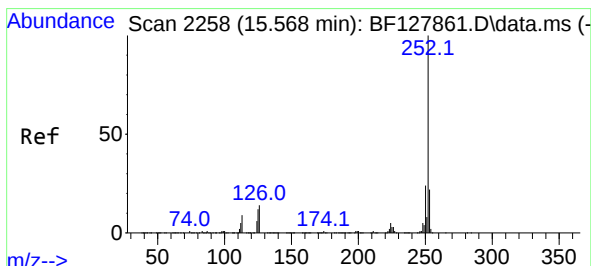
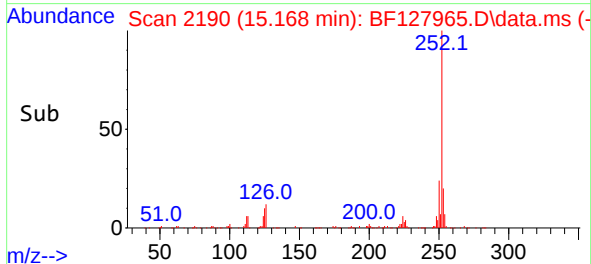
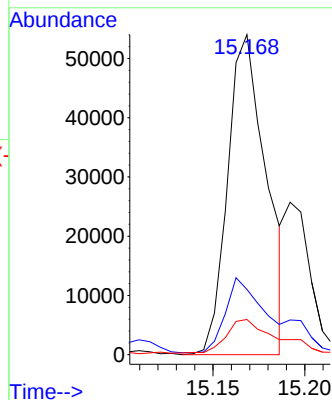
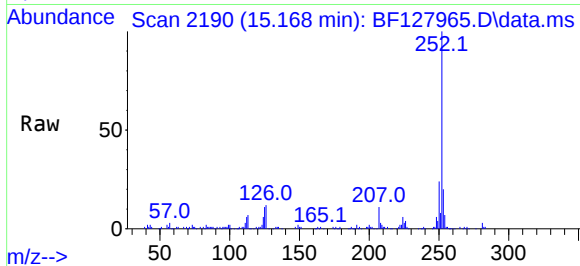
#88
Benzo(b)fluoranthene
Concen: 4.940 ng m
RT: 15.168 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Instrument :
BNA_F
ClientSampleId :
PSC-124019

Tgt Ion:252 Resp: 7927
Ion Ratio Lower Upper
252 100
253 20.4 17.4 26.2
125 11.0 7.4 11.2

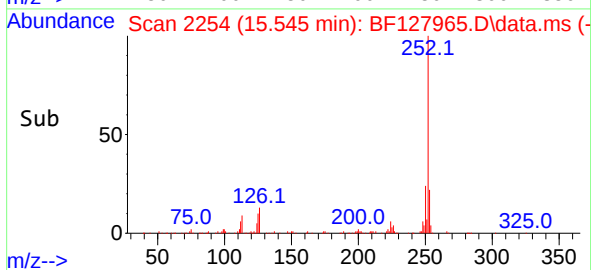
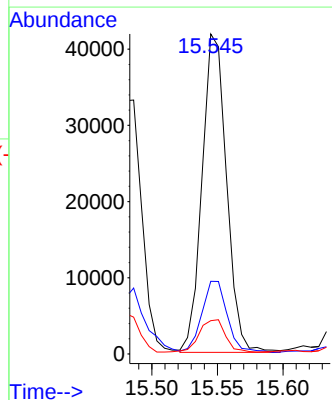
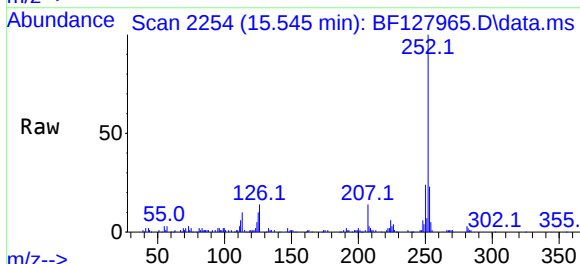
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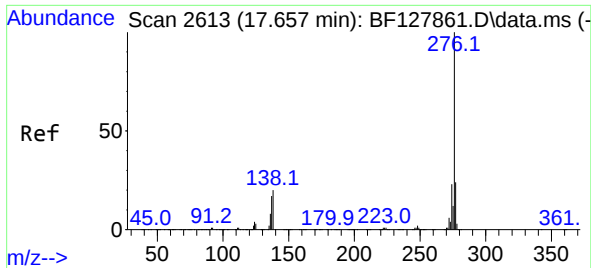
Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022



#90
Benzo(a)pyrene
Concen: 4.089 ng
RT: 15.545 min Scan# 2254
Delta R.T. -0.012 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Tgt Ion:252 Resp: 54442
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 10.4 9.2 13.8





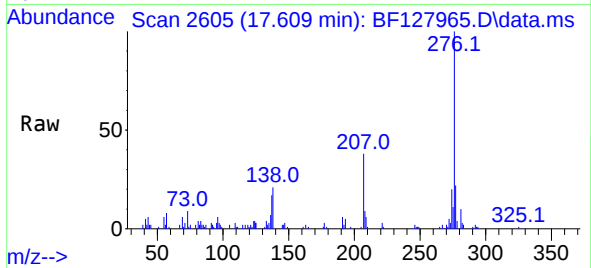
#92
Benzo(g,h,i)perylene
Concen: 2.221 ng
RT: 17.609 min Scan# 20
Delta R.T. -0.029 min
Lab File: BF127965.D
Acq: 28 Apr 2022 00:41

Instrument :

BNA_F

ClientSampleId :

PSC-124019



Tgt Ion:276 Resp: 32019
Ion Ratio Lower Upper
276 100
277 21.7 18.8 28.2
138 21.3 16.2 24.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/28/2022
Supervised By :Jagrut Upadhyay 04/28/2022

