

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128727.D
 Acq On : 07 Jun 2022 20:45
 Operator : CG\JU
 Sample : N3225-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-06062022

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 06/08/2022
 Supervised By :Jagrut Upadhyay 06/08/2022

Quant Time: Jun 08 00:27:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	80018	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	237893	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	114635	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	202291	20.000	ng	0.00
76) Chrysene-d12	14.004	240	152610	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	106927	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	648968	129.183	ng	0.00
7) Phenol-d6	6.492	99	788592	128.598	ng	0.00
23) Nitrobenzene-d5	7.392	82	482007	94.335	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	163033	120.367	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	830759	101.516	ng	0.00
79) Terphenyl-d14	12.945	244	858938	97.800	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.822	142	15985	2.058	ng	97
38) 1-Methylnaphthalene	8.922	142	17323	2.309	ng	100
49) Acenaphthylene	9.728	152	43753	4.354	ng	98
52) Acenaphthene	9.898	154	23313	3.563	ng	90
55) Dibenzofuran	10.069	168	25262	2.686	ng	# 80
58) Fluorene	10.410	166	45335	6.216	ng	97
71) Phenanthrene	11.380	178	361631	35.641	ng	98
72) Anthracene	11.427	178	101539	10.111	ng	98
73) Carbazole	11.586	167	31102	3.334	ng	98
75) Fluoranthene	12.574	202	445483	42.002	ng	96
78) Pyrene	12.804	202	447577	39.420	ng	99
81) Benzo(a)anthracene	13.992	228	168487	17.712	ng	92
83) Chrysene	14.027	228	144838	15.970	ng	97
85) Di-n-octyl phthalate	14.639	149	192734	20.644	ng	# 44
87) Indeno(1,2,3-cd)pyrene	16.945	276	43244	6.710	ng	# 91
88) Benzo(b)fluoranthene	15.045	252	109425m	16.015	ng	
89) Benzo(k)fluoranthene	15.068	252	42482m	6.610	ng	
90) Benzo(a)pyrene	15.415	252	90497	16.852	ng	95
91) Dibenzo(a,h)anthracene	16.962	278	14461	2.705	ng	# 58
92) Benzo(g,h,i)perylene	17.398	276	45439	8.576	ng	# 93

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

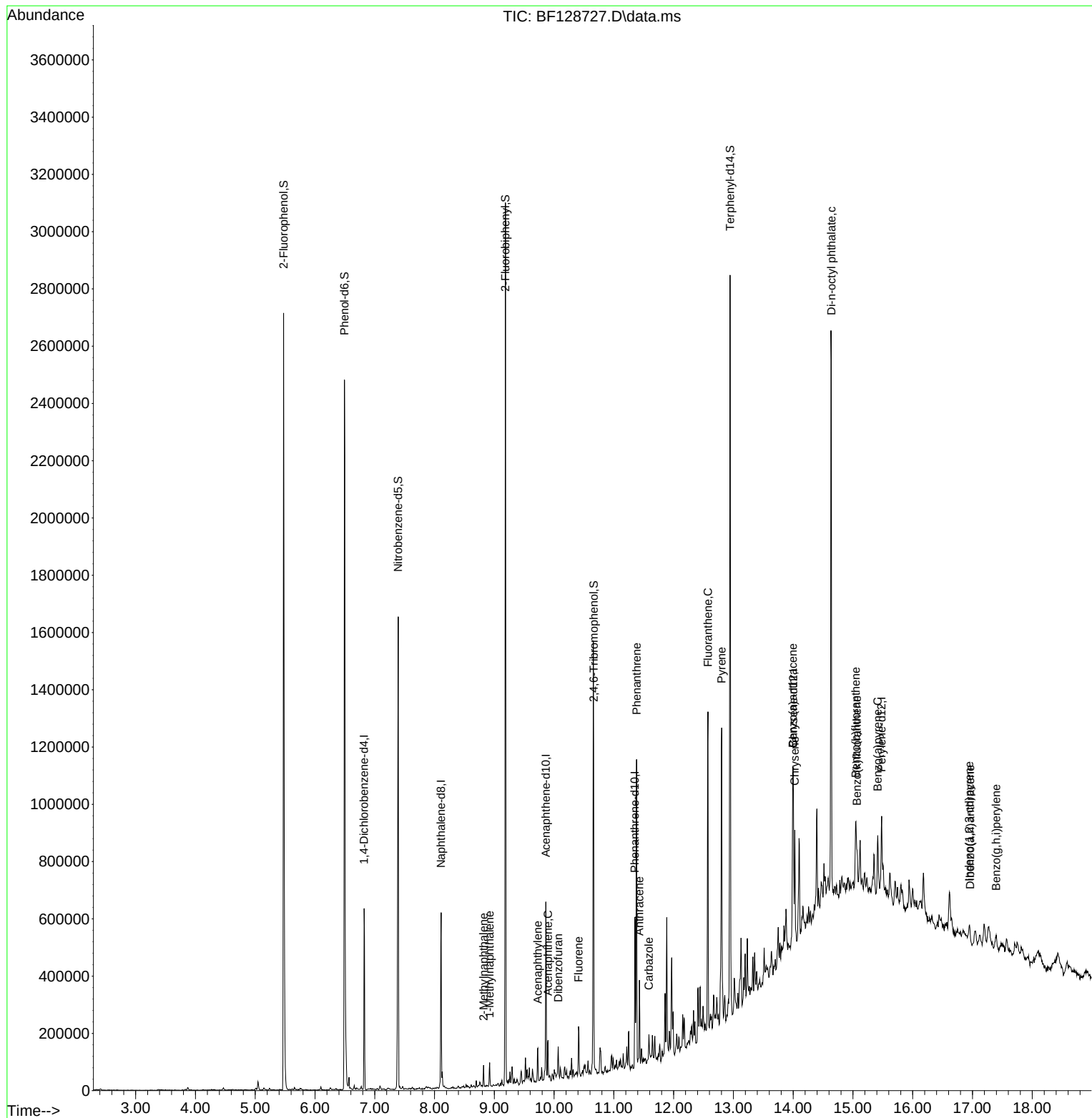
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128727.D
 Acq On : 07 Jun 2022 20:45
 Operator : CG\JU
 Sample : N3225-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

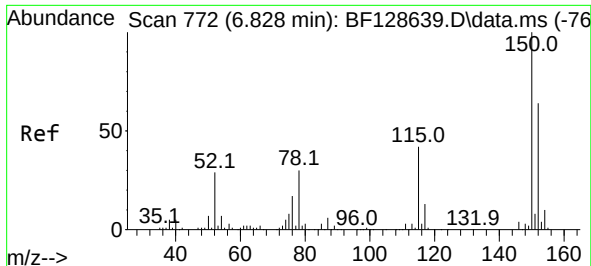
Instrument :
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 OK-01-06062022

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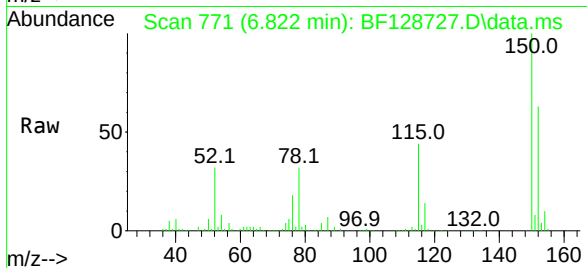
Quant Time: Jun 08 00:27:50 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

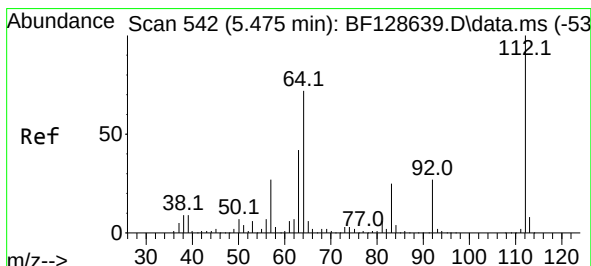
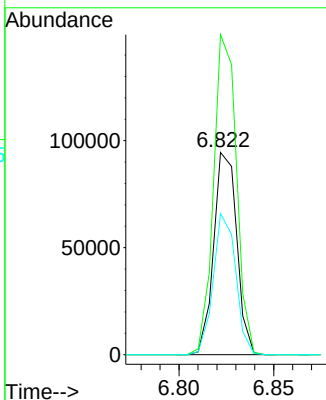
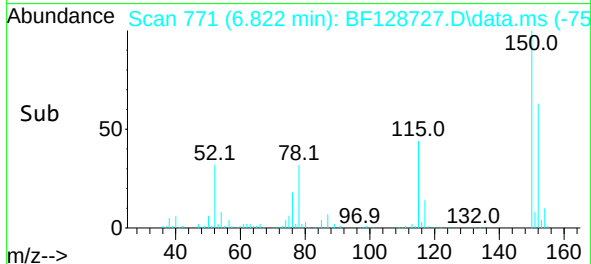
Instrument :
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ClientSampleId :
OK-01-06062022



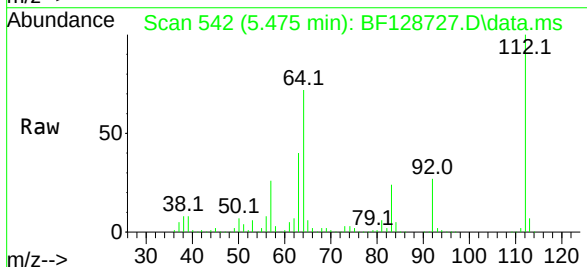
Tgt Ion:152 Resp: 80018
Ion Ratio Lower Upper
152 100
150 158.2 123.7 185.5
115 69.7 49.9 74.9

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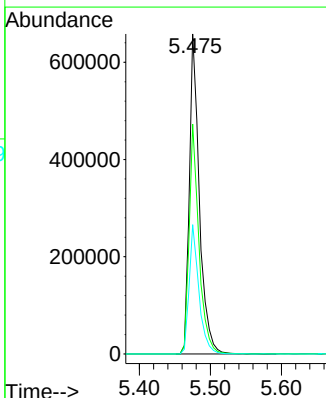
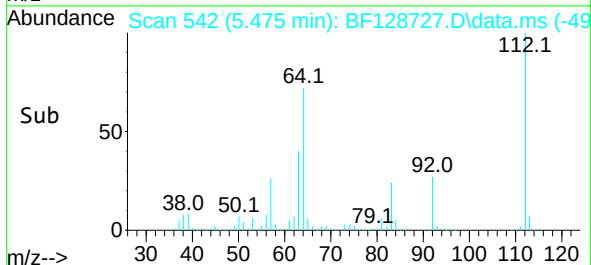
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

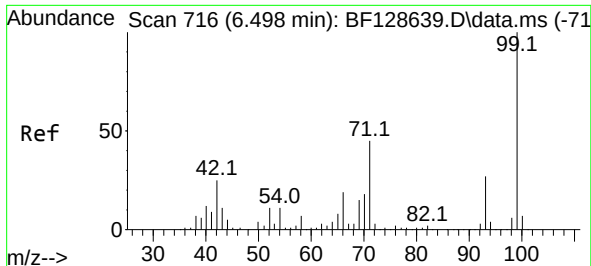


#5
2-Fluorophenol
Concen: 129.183 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



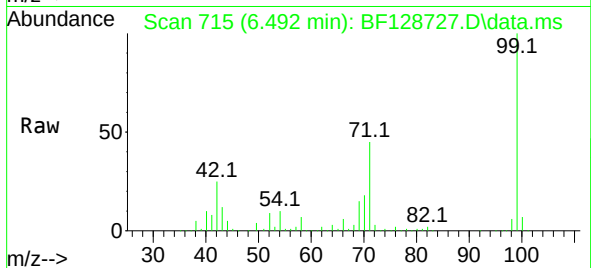
Tgt Ion:112 Resp: 648968
Ion Ratio Lower Upper
112 100
64 71.9 53.3 79.9
63 40.4 28.0 42.0





#7
Phenol-d6
Concen: 128.598 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

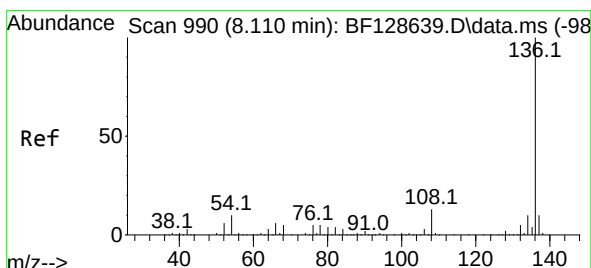
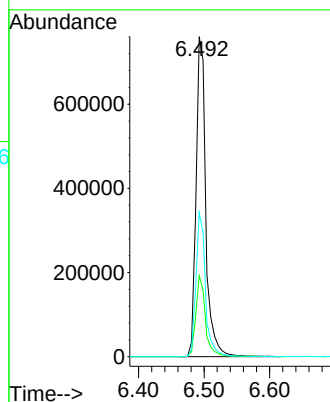
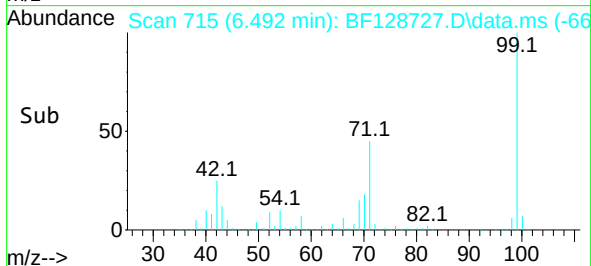
Instrument :
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Tgt Ion: 99 Resp: 788592
Ion Ratio Lower Upper
99 100
42 25.3 17.3 25.9
71 45.1 28.9 43.3

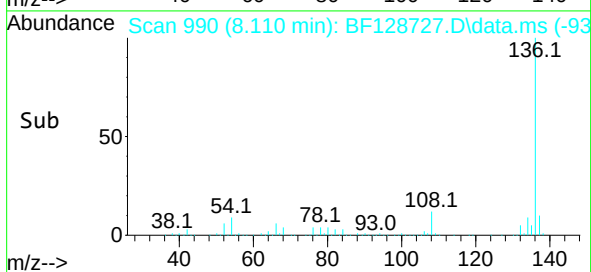
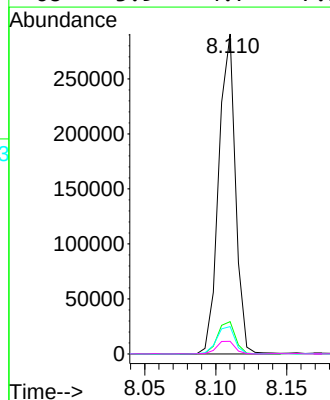
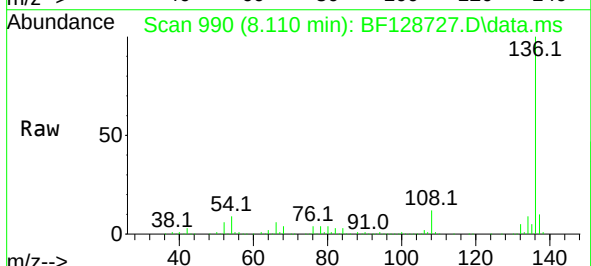
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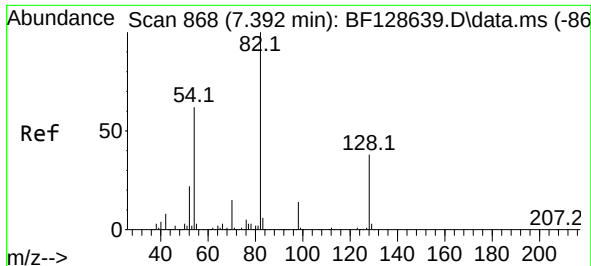
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 990
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

Tgt Ion:136 Resp: 237893
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 8.6 7.5 11.3
68 3.9 4.7 7.1





#23

Nitrobenzene-d5

Concen: 94.335 ng

RT: 7.392 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF128727.D

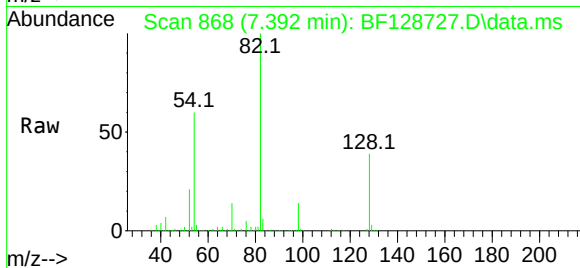
Acq: 07 Jun 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022



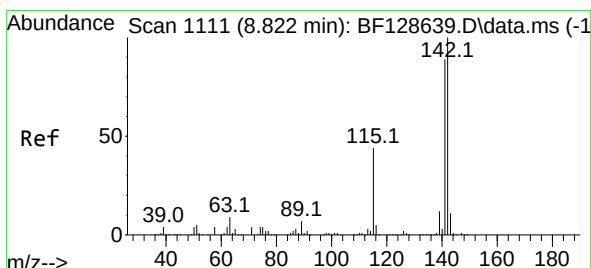
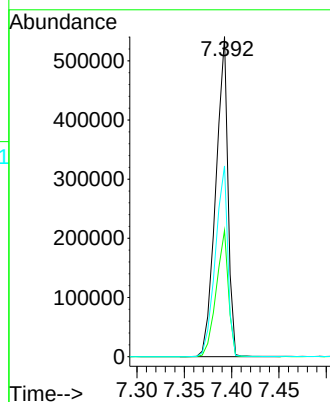
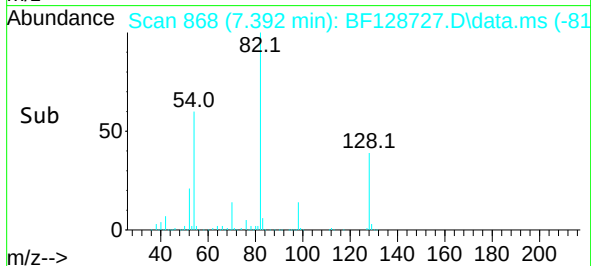
Tgt Ion:	82	Resp:	48200
Ion	Ratio	Lower	Upper
82	100		
128	39.5	34.0	51.0
54	59.6	46.9	70.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/08/2022



#37

2-Methylnaphthalene

Concen: 2.058 ng

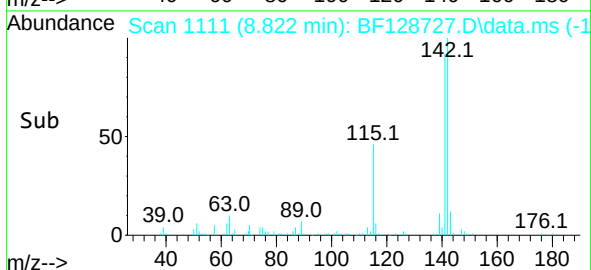
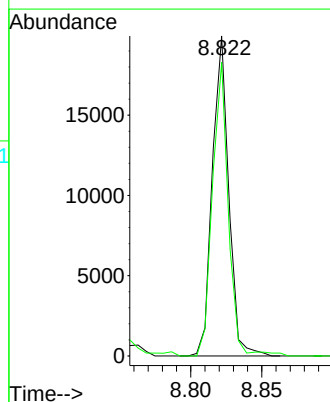
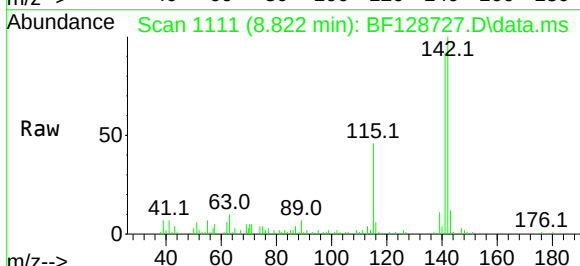
RT: 8.822 min Scan# 1111

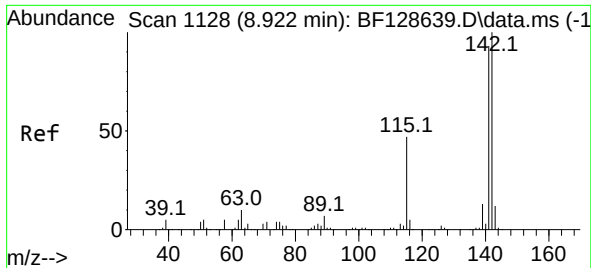
Delta R.T. 0.000 min

Lab File: BF128727.D

Acq: 07 Jun 2022 20:45

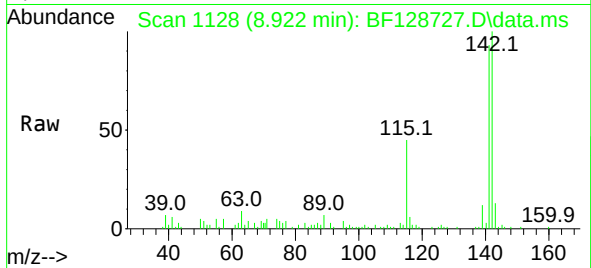
Tgt Ion:	142	Resp:	15985
Ion	Ratio	Lower	Upper
142	100		
141	91.7	71.0	106.4





#38
1-Methylnaphthalene
Concen: 2.309 ng
RT: 8.922 min Scan# 1128
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

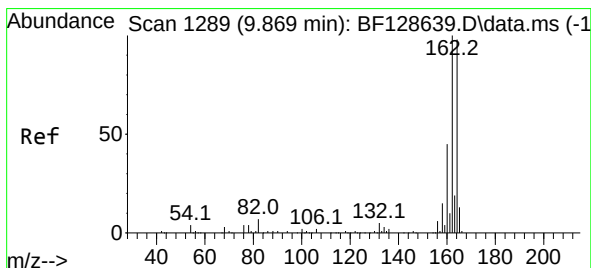
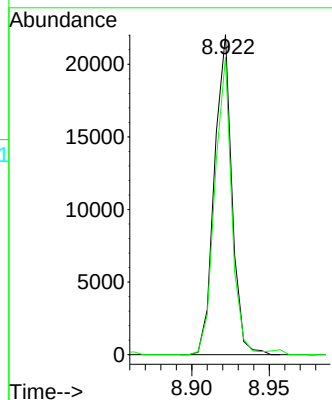
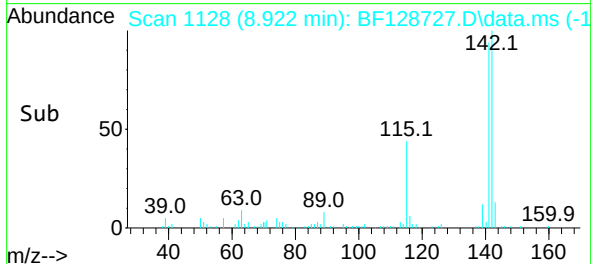
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



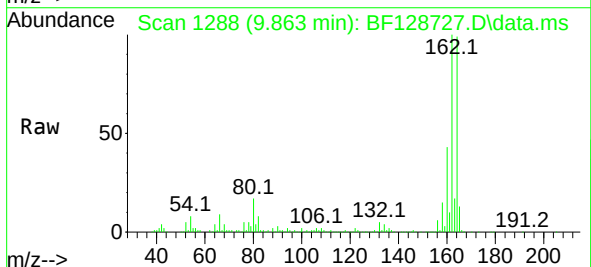
Tgt Ion:142 Resp: 1732
Ion Ratio Lower Upper
142 100
141 93.0 74.2 111.4

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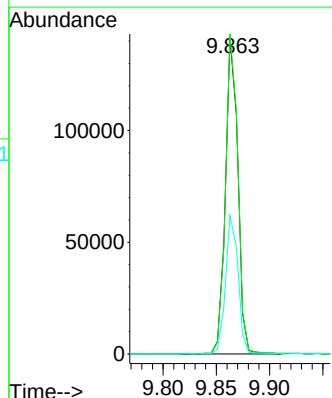
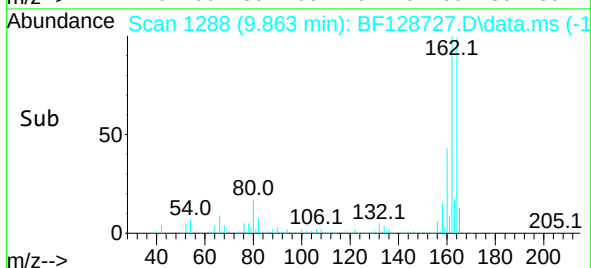
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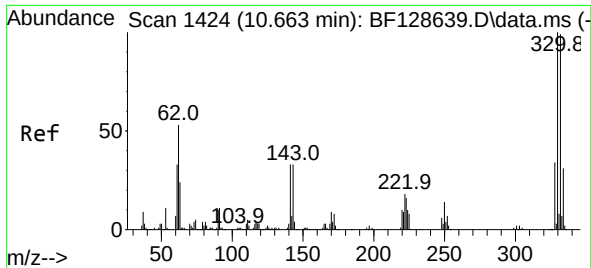


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



Tgt Ion:164 Resp: 114635
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 43.8 34.2 51.4





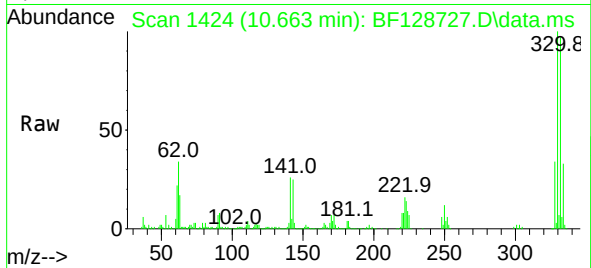
#42
2,4,6-Tribromophenol
Concen: 120.367 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022

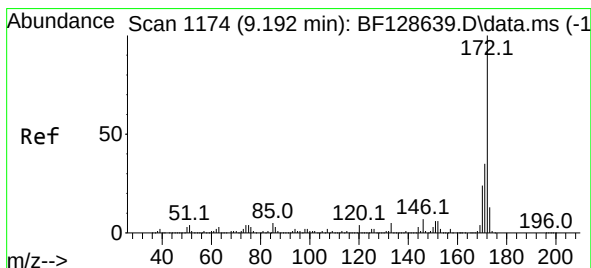
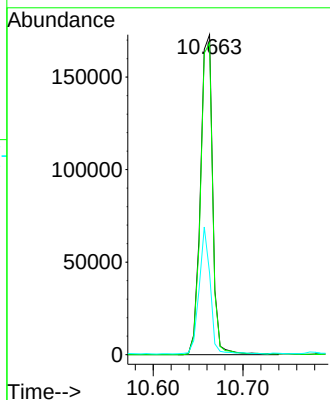
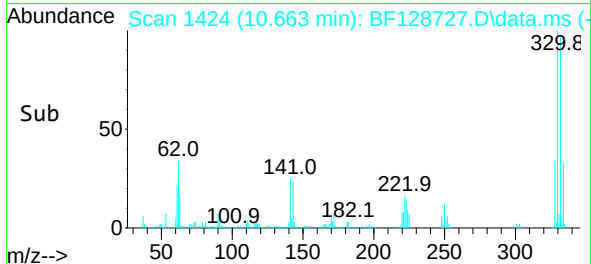


Tgt Ion: 330 Resp: 16303
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 36.2 28.0 42.0

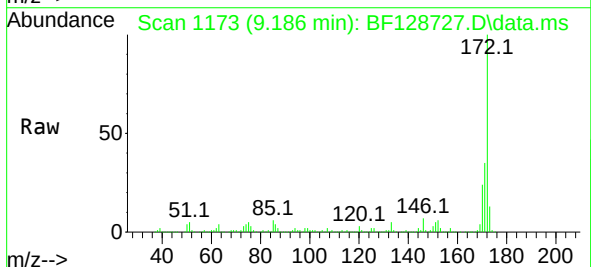
Manual Integrations

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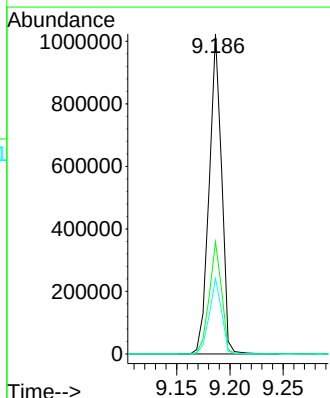
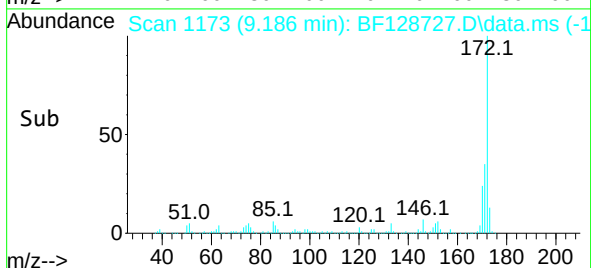
Reviewed By : Christian Giraldo 06/08/2022
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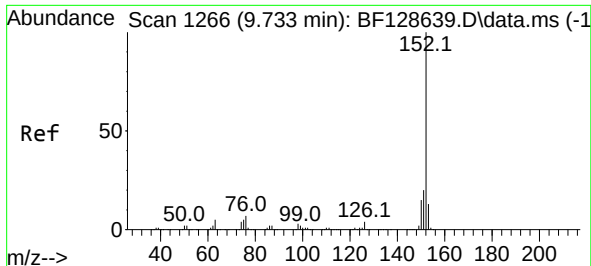


#45
2-Fluorobiphenyl
Concen: 101.516 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



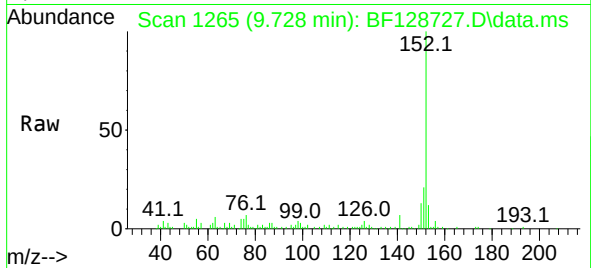
Tgt Ion: 172 Resp: 830759
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.7 19.8 29.8





#49
Acenaphthylene
Concen: 4.354 ng
RT: 9.728 min Scan# 1265
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

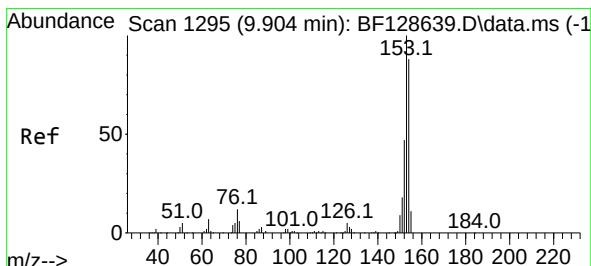
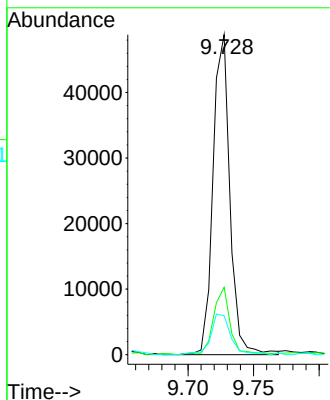
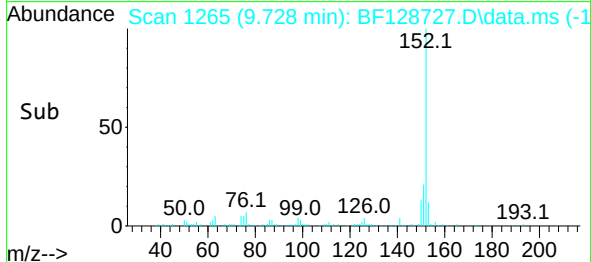
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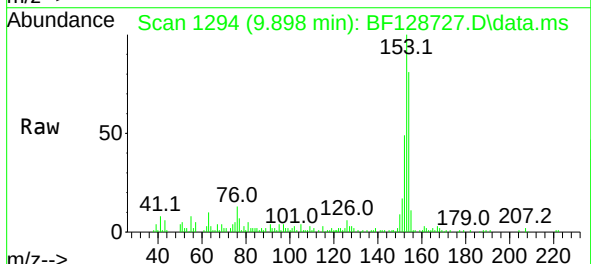
Tgt Ion:152 Resp: 4375
Ion Ratio Lower Upper
152 100
151 21.0 16.2 24.4
153 12.1 10.7 16.1

Manual Integrations
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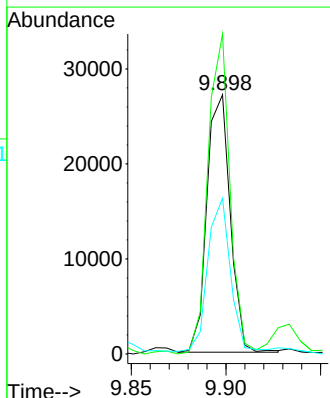
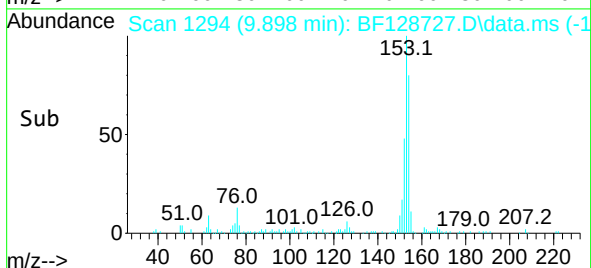
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

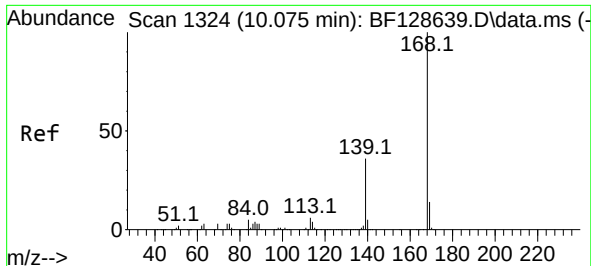


#52
Acenaphthene
Concen: 3.563 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



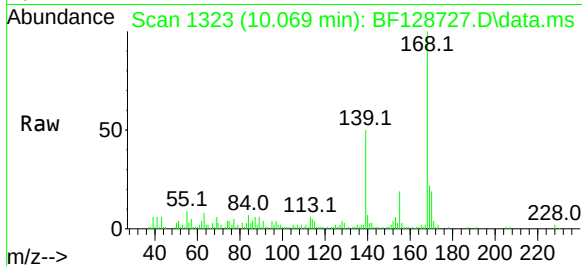
Tgt Ion:154 Resp: 23313
Ion Ratio Lower Upper
154 100
153 123.4 89.6 134.4
152 60.1 42.4 63.6





#55
Dibenzenofuran
Concen: 2.686 ng
RT: 10.069 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

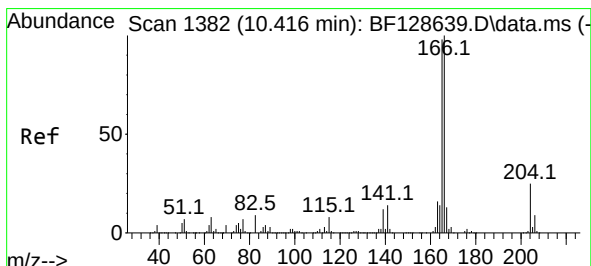
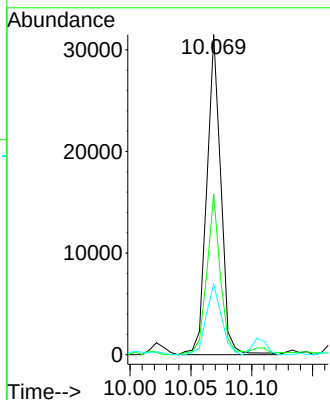
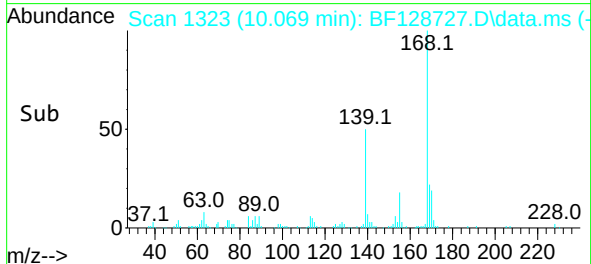
Instrument :
BNA_F
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OK-01-06062022



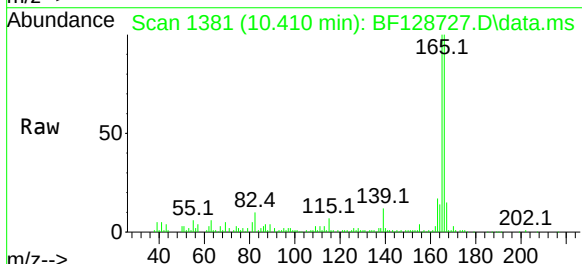
Tgt Ion:168 Resp: 2526
Ion Ratio Lower Upper
168 100
139 50.2 30.6 46.0
169 22.0 11.0 16.6

Manual Integrations
APPROVED

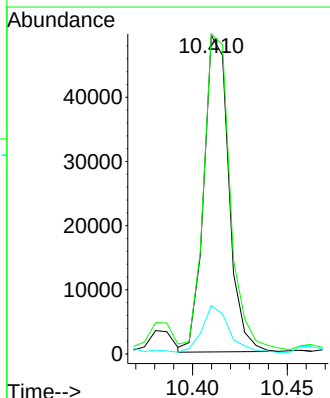
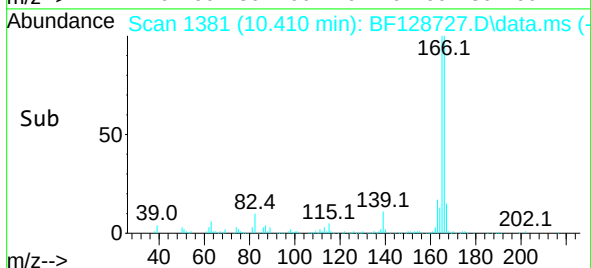
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

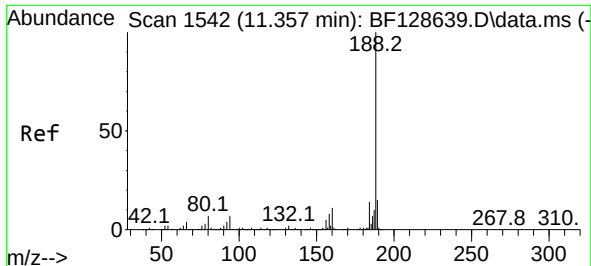


#58
Fluorene
Concen: 6.216 ng
RT: 10.410 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



Tgt Ion:166 Resp: 45335
Ion Ratio Lower Upper
166 100
165 100.4 78.1 117.1
167 15.1 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

Instrument :

BNA_F

ClientSampleId :

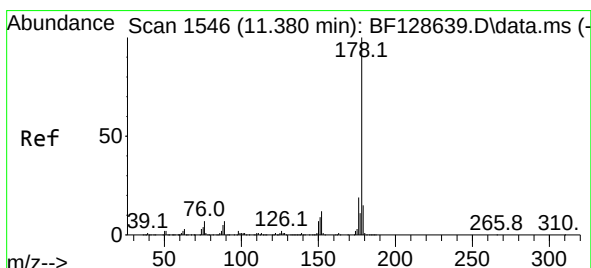
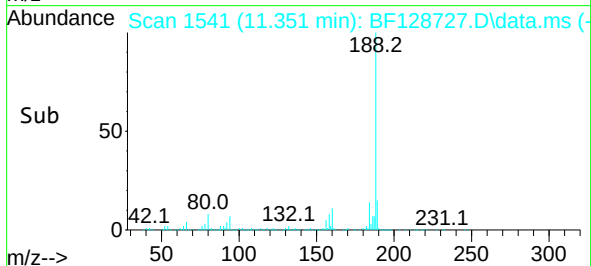
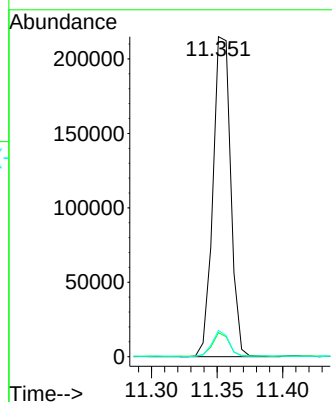
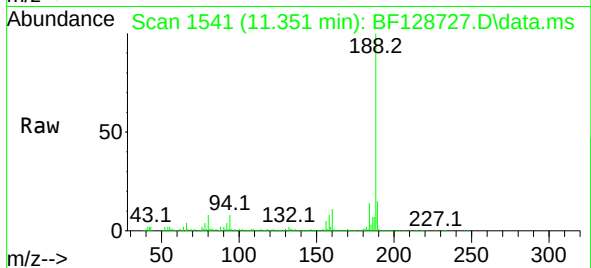
OK-01-06062022

Tgt Ion:188 Resp: 20229
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.2 7.6 11.4

Manual Integrations

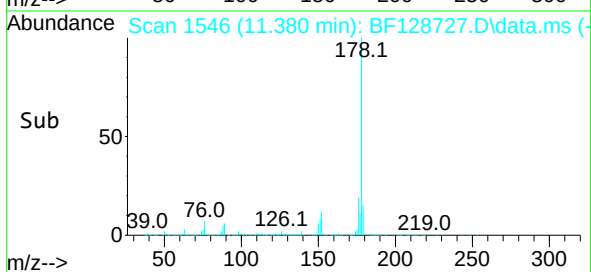
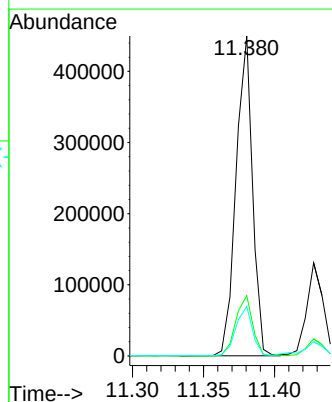
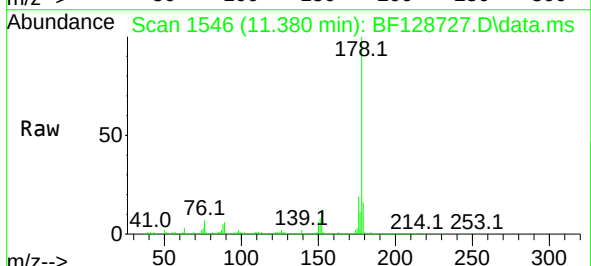
APPROVED

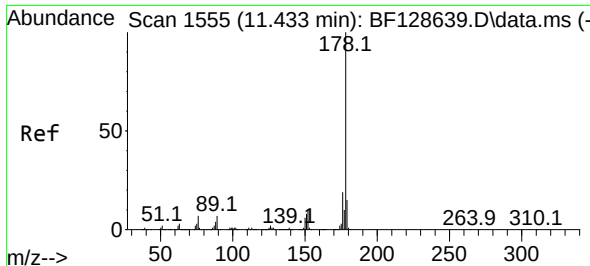
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#71
Phenanthrene
Concen: 35.641 ng
RT: 11.380 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

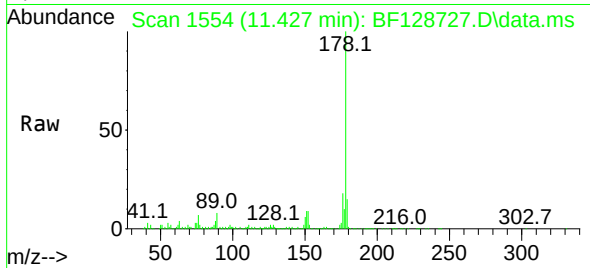
Tgt Ion:178 Resp: 361631
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 12.6 19.0





#72
 Anthracene
 Concen: 10.111 ng
 RT: 11.427 min Scan# 1555
 Delta R.T. -0.006 min
 Lab File: BF128727.D
 Acq: 07 Jun 2022 20:45

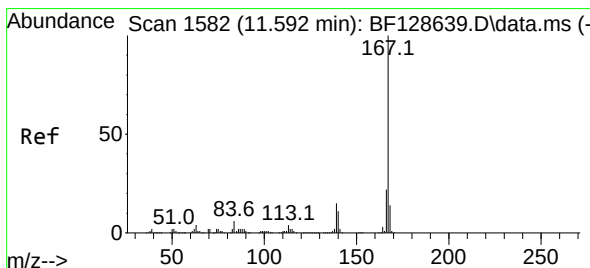
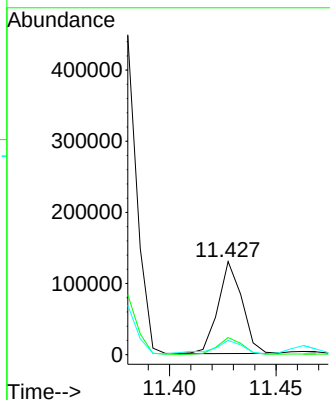
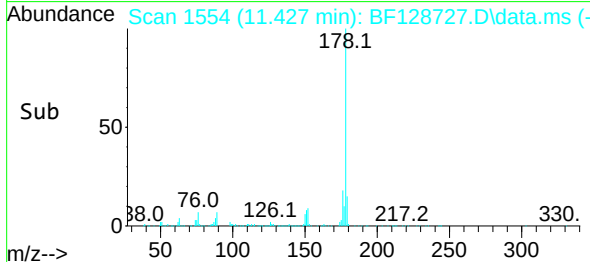
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-06062022



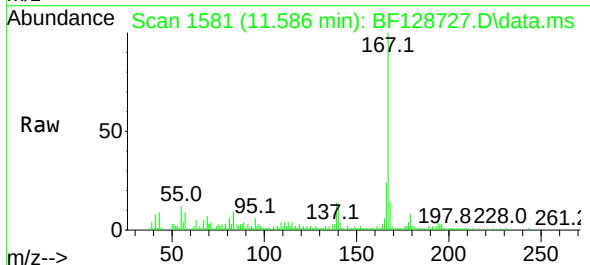
Tgt Ion:178 Resp: 101539
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 15.3 12.6 19.0

Manual Integrations
 APPROVED

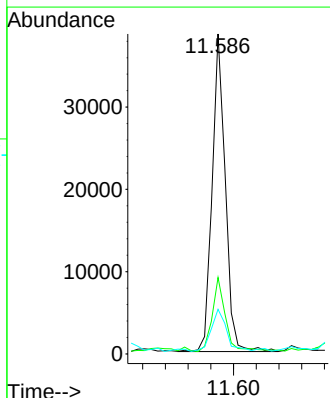
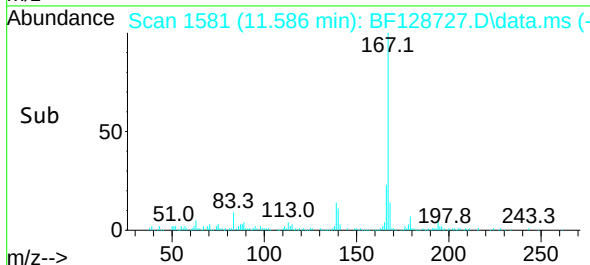
Reviewed By :Christian Giraldo 06/08/2022
 Supervised By :Jagrut Upadhyay 06/08/2022

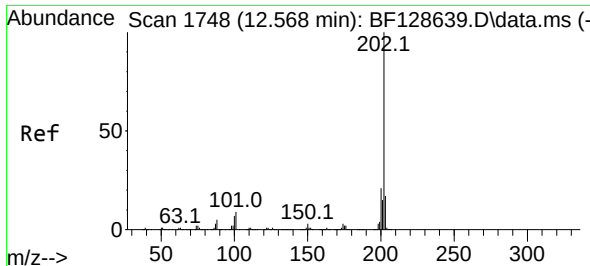


#73
 Carbazole
 Concen: 3.334 ng
 RT: 11.586 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF128727.D
 Acq: 07 Jun 2022 20:45



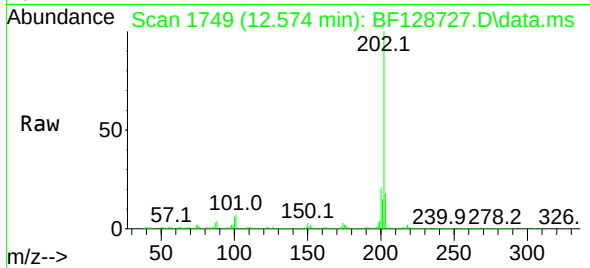
Tgt Ion:167 Resp: 31102
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.7 26.5
 139 14.0 11.2 16.8





#75
Fluoranthene
Concen: 42.002 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

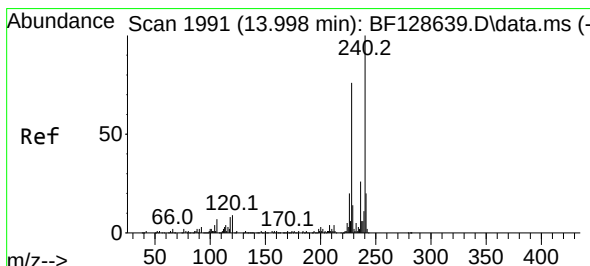
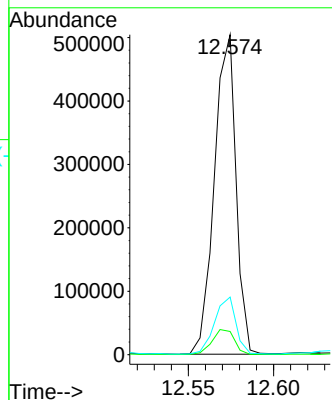
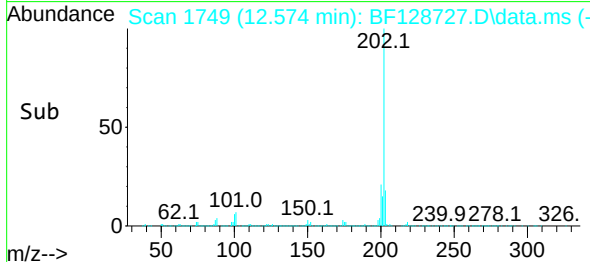
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



Tgt Ion:202 Resp: 445483
Ion Ratio Lower Upper
202 100
101 7.2 0.0 31.4
203 18.0 0.0 38.0

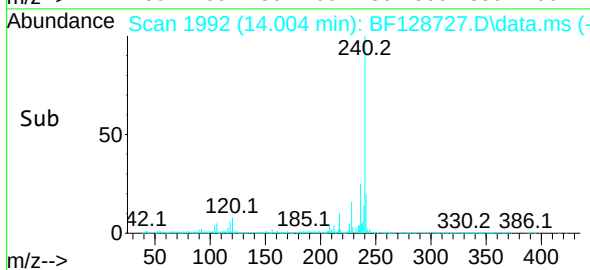
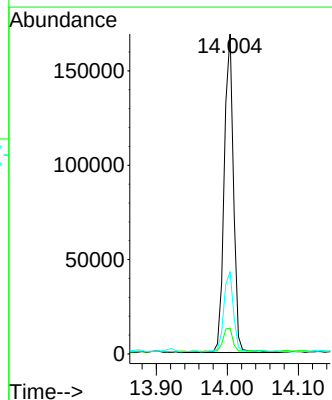
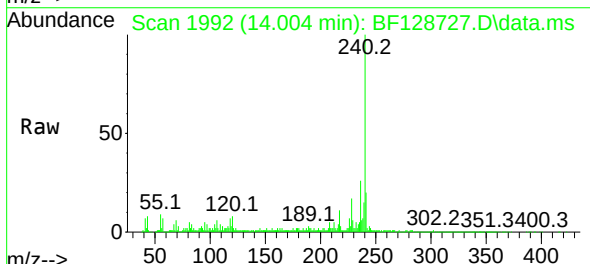
Manual Integrations
APPROVED

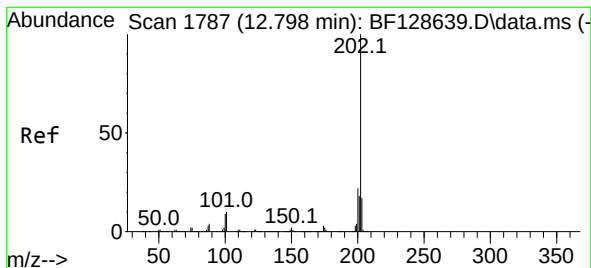
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

Tgt Ion:240 Resp: 152610
Ion Ratio Lower Upper
240 100
120 8.1 8.9 13.3#
236 25.6 20.8 31.2





#78

Pyrene

Concen: 39.420 ng

RT: 12.804 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF128727.D

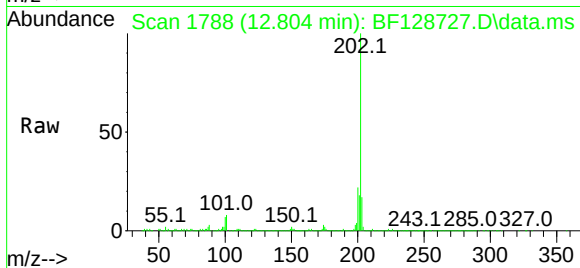
Acq: 07 Jun 2022 20:45

Instrument :

BNA_F

ClientSampleId :

OK-01-06062022



Tgt Ion: 202 Resp: 44757

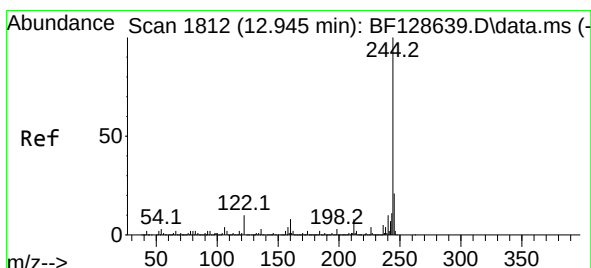
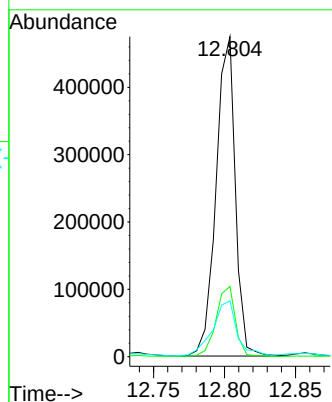
Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.4	14.6	21.8

Manual Integrations

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Reviewed By : Christian Giraldo 06/08/2022

Supervised By : Jagrut Upadhyay 06/08/2022



#79

Terphenyl-d14

Concen: 97.800 ng

RT: 12.945 min Scan# 1812

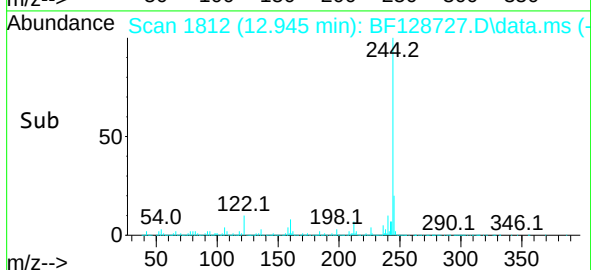
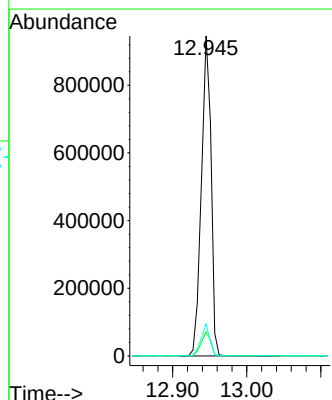
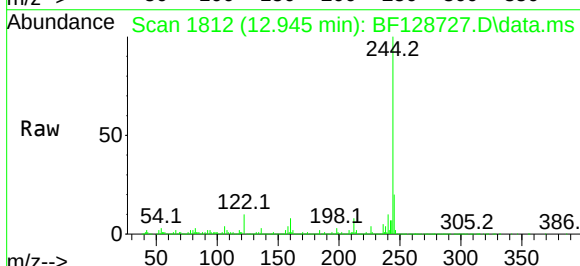
Delta R.T. 0.000 min

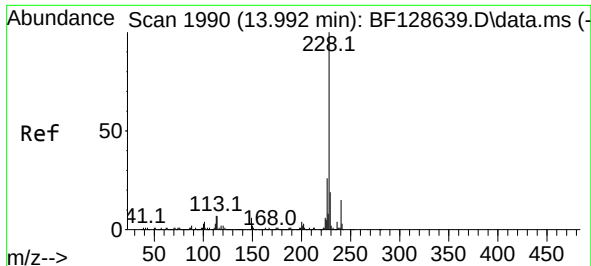
Lab File: BF128727.D

Acq: 07 Jun 2022 20:45

Tgt Ion: 244 Resp: 858938

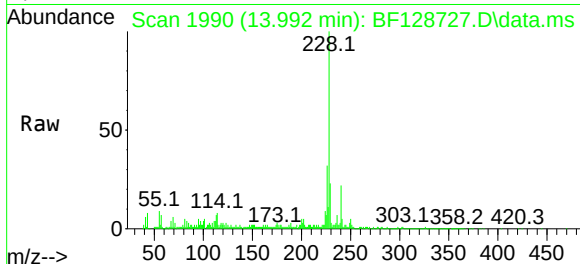
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	10.0	8.8	13.2





#81
Benzo(a)anthracene
Concen: 17.712 ng
RT: 13.992 min Scan# 1990
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

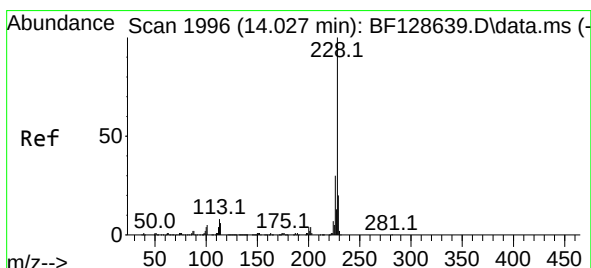
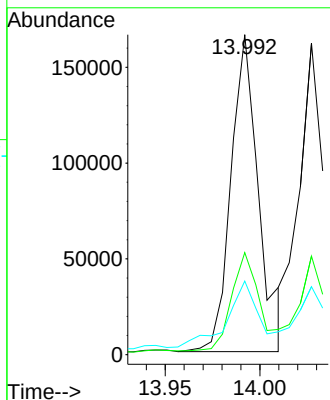
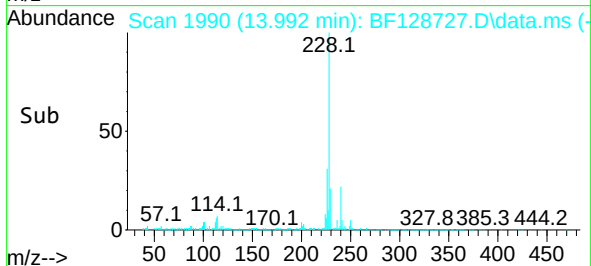
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



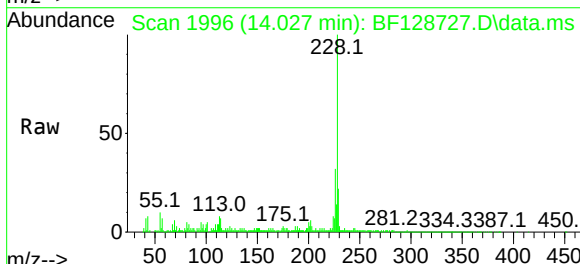
Tgt Ion:228 Resp: 16848
Ion Ratio Lower Upper
228 100
226 31.9 22.1 33.1
229 23.0 15.8 23.8

Manual Integrations
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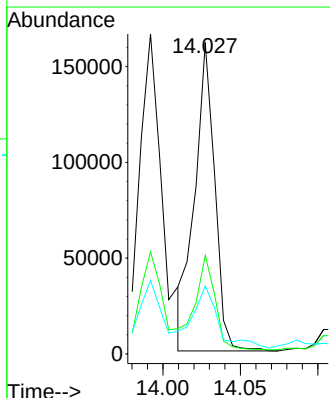
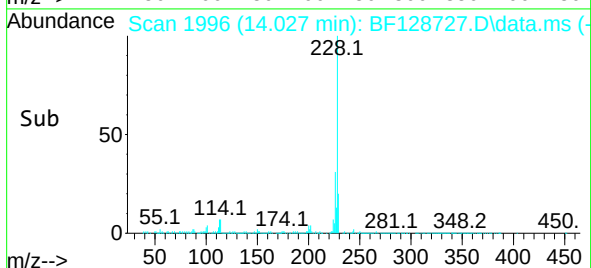
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

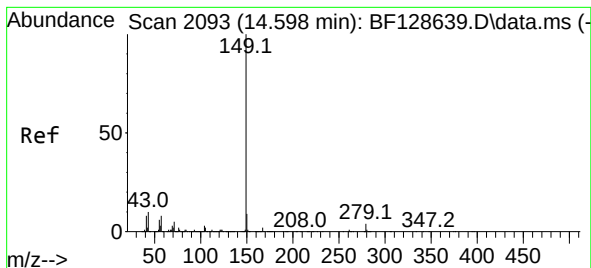


#83
Chrysene
Concen: 15.970 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



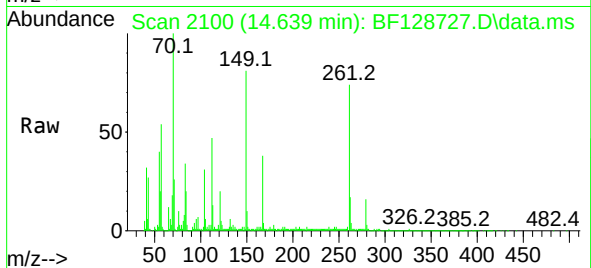
Tgt Ion:228 Resp: 144838
Ion Ratio Lower Upper
228 100
226 31.6 24.3 36.5
229 21.8 15.9 23.9





#85
Di-n-octyl phthalate
Concen: 20.644 ng
RT: 14.639 min Scan# 2100
Delta R.T. 0.041 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

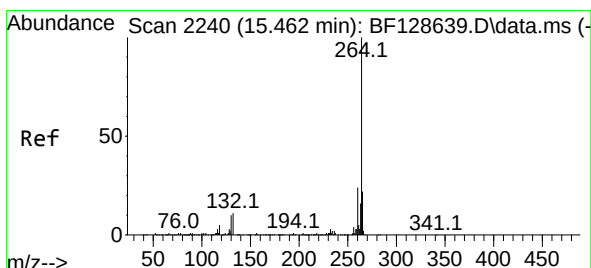
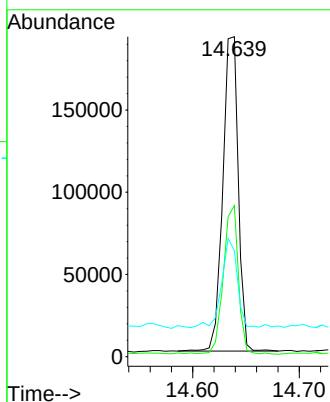
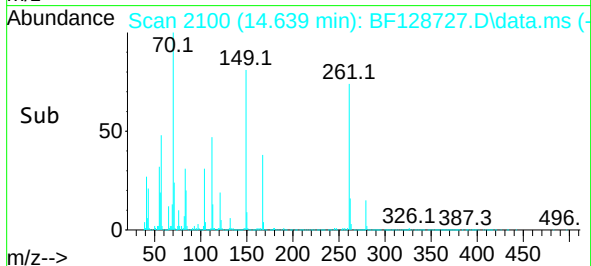
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



Tgt Ion:149 Resp: 192734
Ion Ratio Lower Upper
149 100
167 46.0 1.3 1.9
43 29.6 9.2 13.8

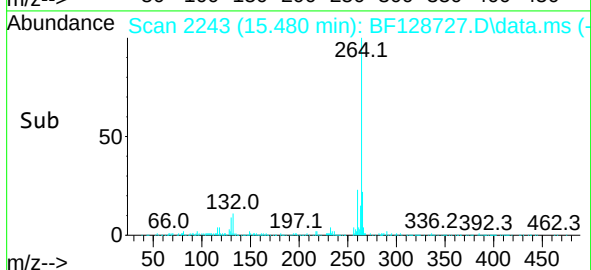
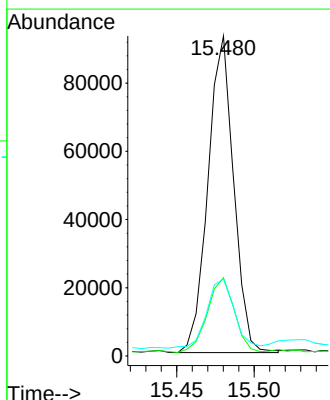
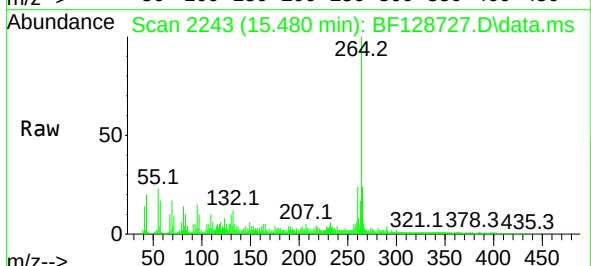
Manual Integrations
APPROVED

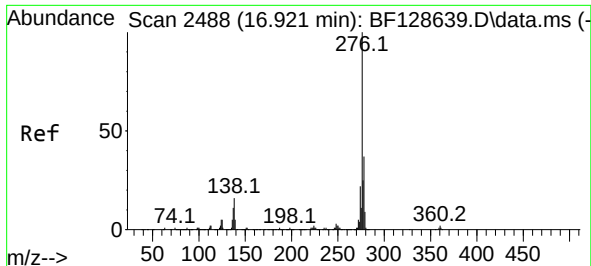
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2243
Delta R.T. 0.018 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

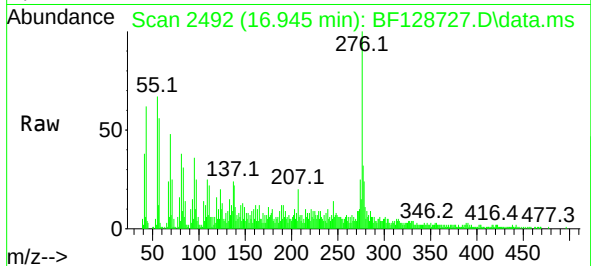
Tgt Ion:264 Resp: 106927
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 24.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.710 ng
RT: 16.945 min Scan# 2488
Delta R.T. 0.024 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

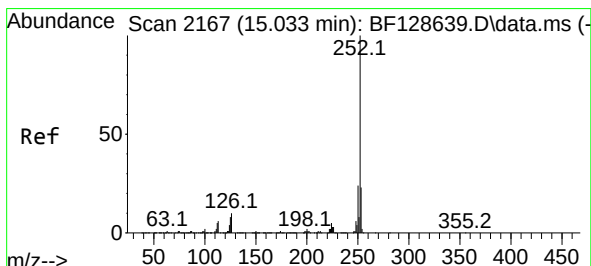
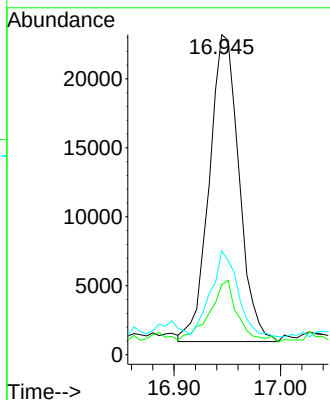
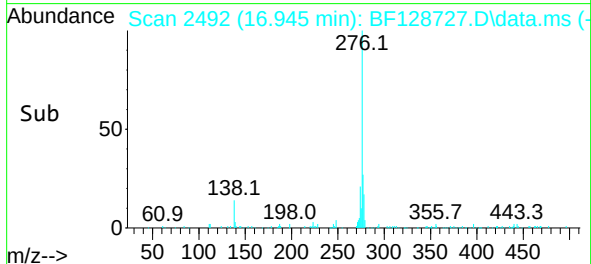
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



Tgt Ion: 276 Resp: 43244
Ion Ratio Lower Upper
276 100
138 17.4 21.1 31.7
277 25.5 20.3 30.5

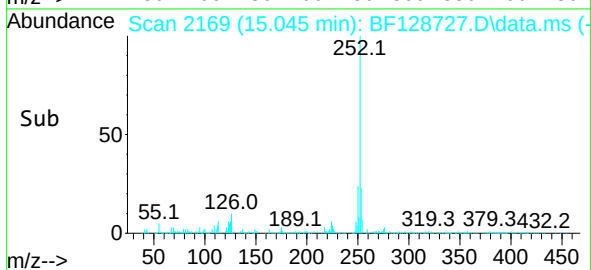
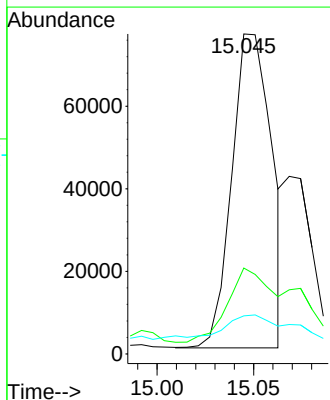
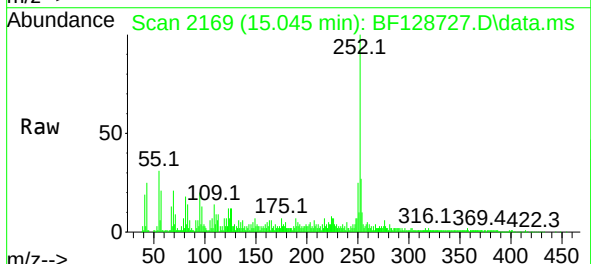
Manual Integrations
APPROVED

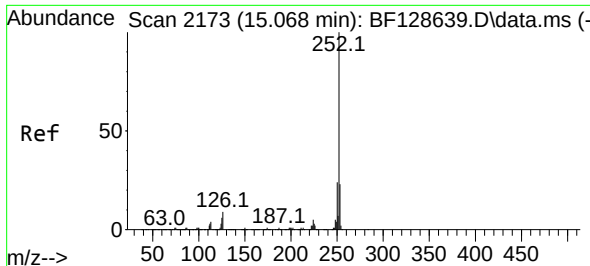
Reviewed By : Christian Giraldo 06/08/2022
Supervised By : Jagrut Upadhyay 06/08/2022



#88
Benzo(b)fluoranthene
Concen: 16.015 ng m
RT: 15.045 min Scan# 2169
Delta R.T. 0.012 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

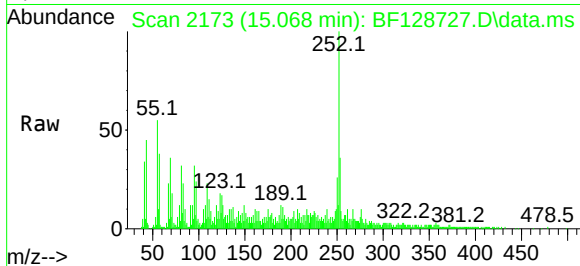
Tgt Ion: 252 Resp: 109425
Ion Ratio Lower Upper
252 100
253 26.9 17.7 26.5
125 11.9 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 6.610 ng m
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

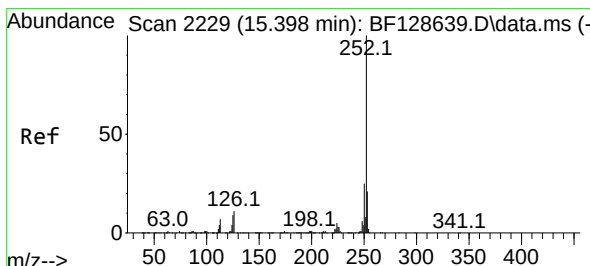
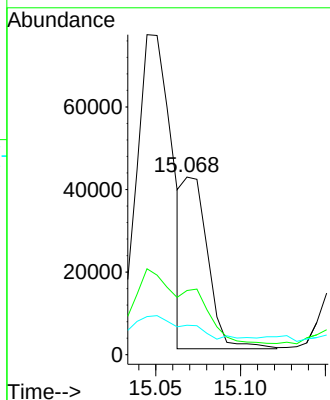
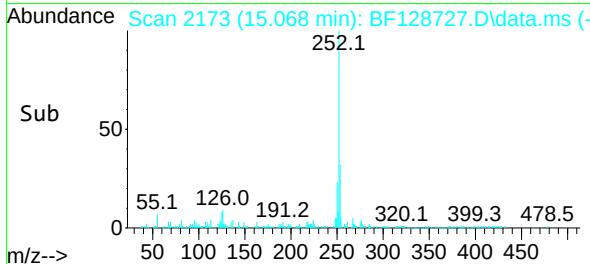
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



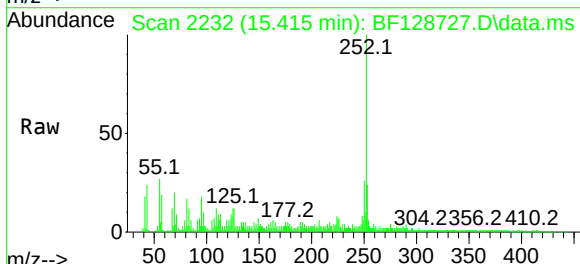
Tgt Ion:252 Resp: 4248
Ion Ratio Lower Upper
252 100
253 36.1 17.8 26.6
125 16.6 8.3 12.5

Manual Integrations
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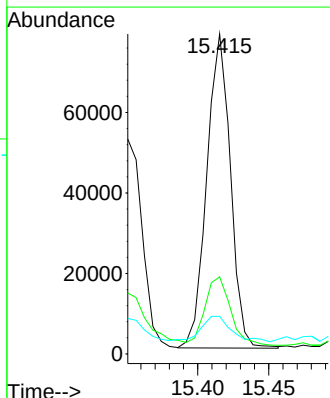
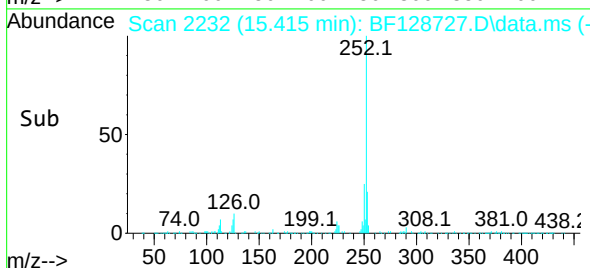
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

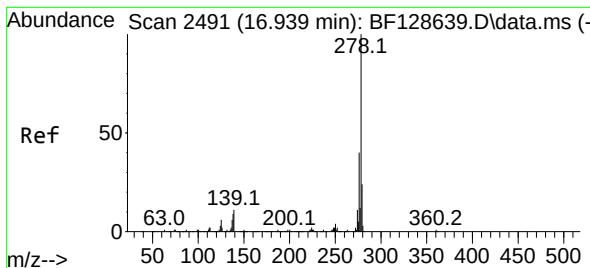


#90
Benzo(a)pyrene
Concen: 16.852 ng
RT: 15.415 min Scan# 2232
Delta R.T. 0.018 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



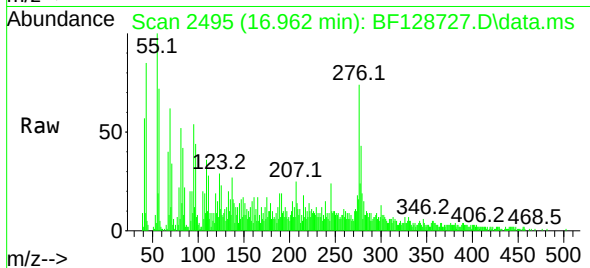
Tgt Ion:252 Resp: 90497
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 11.8 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 2.705 ng
RT: 16.962 min Scan# 2495
Delta R.T. 0.024 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45

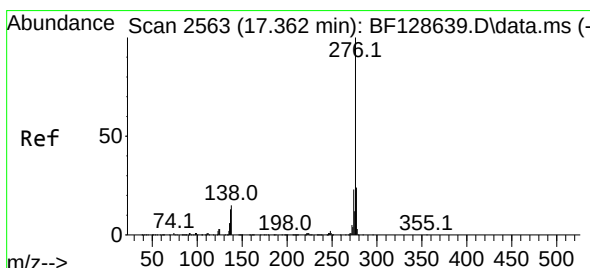
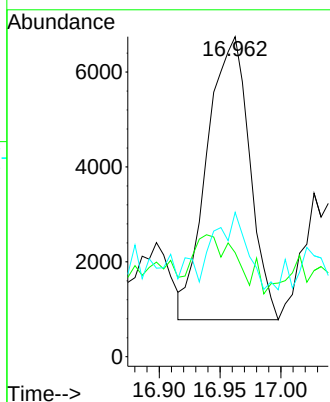
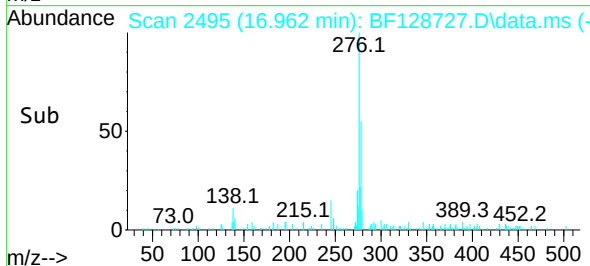
Instrument :
BNA_F
ClientSampleId :
OK-01-06062022



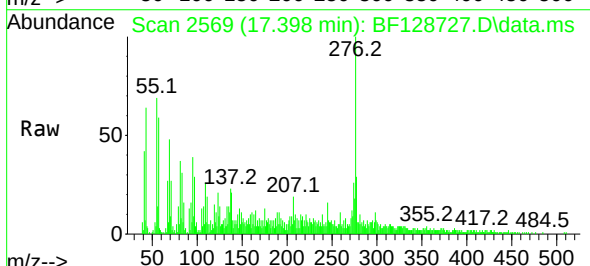
Tgt Ion:278 Resp: 1446
Ion Ratio Lower Upper
278 100
139 32.5 12.8 19.2
279 45.1 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#92
Benzo(g,h,i)perylene
Concen: 8.576 ng
RT: 17.398 min Scan# 2569
Delta R.T. 0.035 min
Lab File: BF128727.D
Acq: 07 Jun 2022 20:45



Tgt Ion:276 Resp: 45439
Ion Ratio Lower Upper
276 100
277 29.1 19.1 28.7
138 20.5 18.0 27.0

