

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
 Data File : BF128899.D
 Acq On : 21 Jun 2022 14:42
 Operator : CG\JU
 Sample : N3373-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-6E

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/22/2022
 Supervised By : Jagrut Upadhyay 06/22/2022

Quant Time: Jun 22 01:49:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 01:02:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	100264	20.000	ng	0.01
21) Naphthalene-d8	8.057	136	393695	20.000	ng	# 0.02
39) Acenaphthene-d10	9.810	164	219371	20.000	ng	0.02
64) Phenanthrene-d10	11.304	188	371503	20.000	ng	0.02
76) Chrysene-d12	13.945	240	213866	20.000	ng	# 0.02
86) Perylene-d12	15.392	264	199653	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	500658	79.536	ng	0.02
7) Phenol-d6	6.428	99	714080	92.934	ng	0.01
23) Nitrobenzene-d5	7.340	82	512290	60.584	ng	0.01
42) 2,4,6-Tribromophenol	10.604	330	91915	35.461	ng	0.02
45) 2-Fluorobiphenyl	9.134	172	1009945	64.490	ng	0.02
79) Terphenyl-d14	12.892	244	894247	72.657	ng	0.02
Target Compounds						Qvalue
55) Dibenzofuran	10.016	168	67910	3.774	ng	94
71) Phenanthrene	11.351	178	5565113	298.657	ng	96
72) Anthracene	11.386	178	318070	17.246	ng	99
73) Carbazole	11.539	167	555865	32.449	ng	100
75) Fluoranthene	12.551	202	6248533	320.801	ng	96
78) Pyrene	12.775	202	4311356	270.958	ng	98
81) Benzo(a)anthracene	13.933	228	264289	19.825	ng	98
83) Chrysene	13.969	228	173211	13.629	ng	97
88) Benzo(b)fluoranthene	14.974	252	27252m	2.136	ng	

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

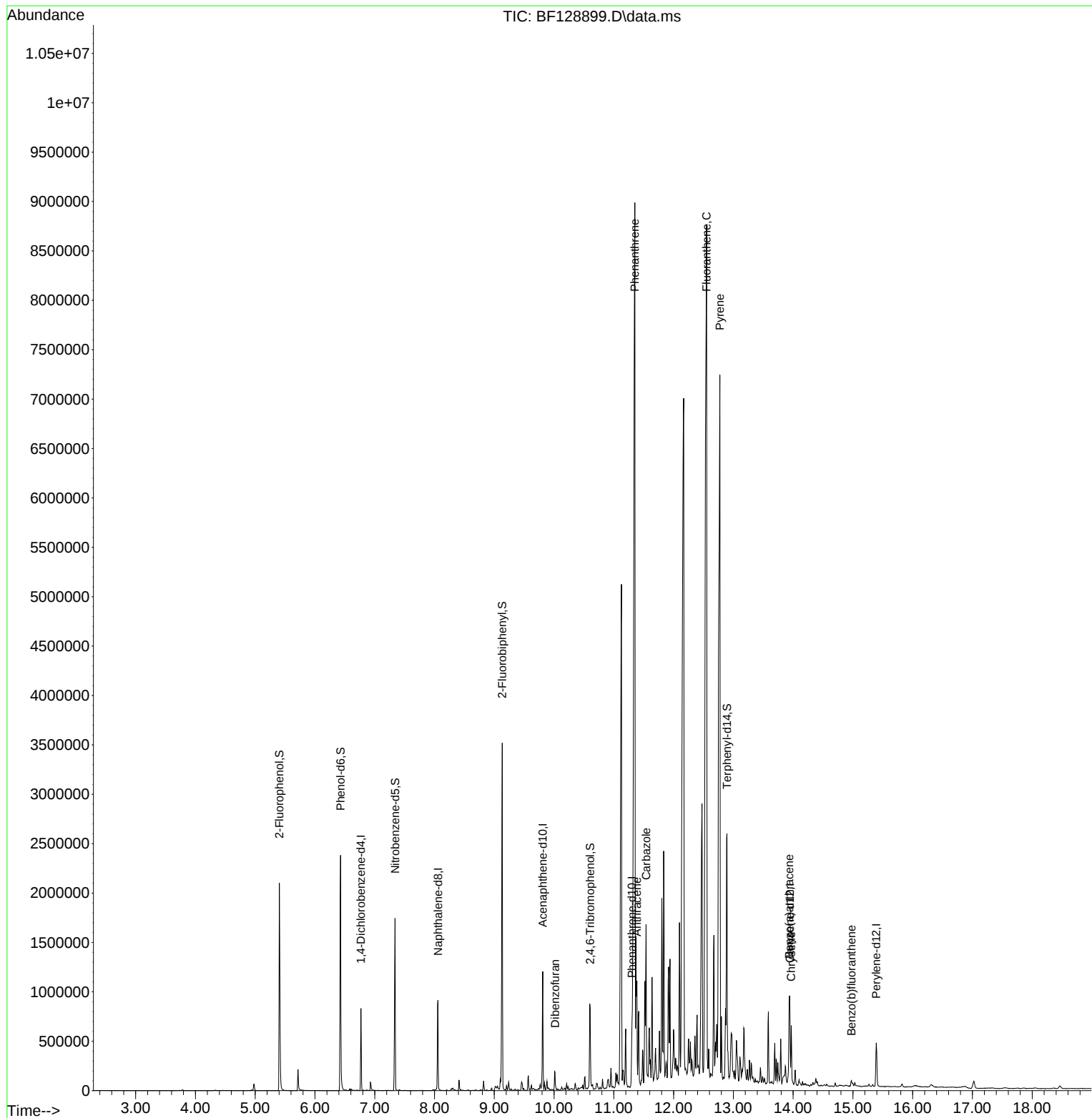
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062122\
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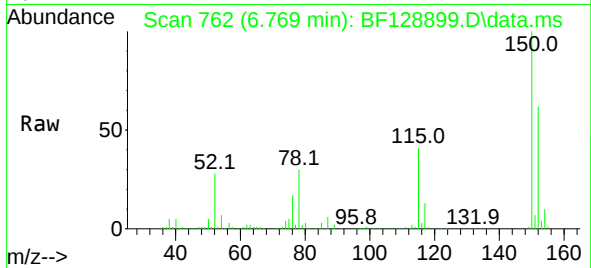
Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 70
Delta R.T. 0.012 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

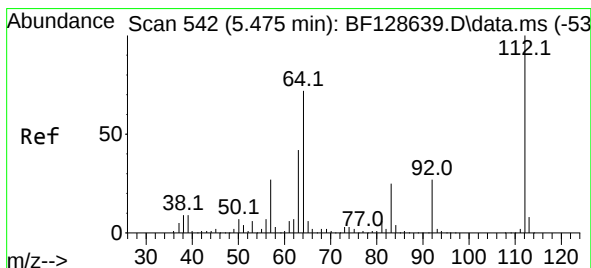
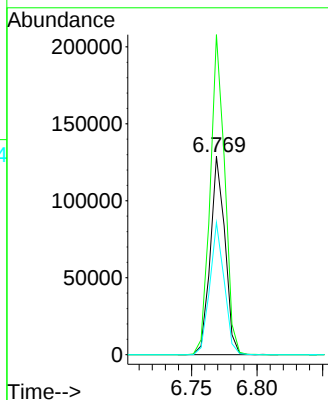
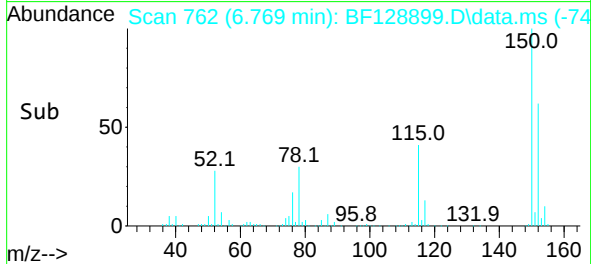
Instrument :
BNA_F
ClientSampleId :
SC-6E



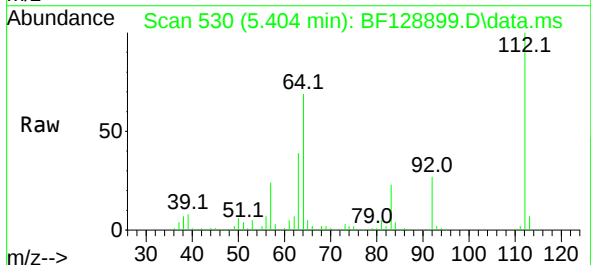
Tgt Ion:152 Resp: 100264
Ion Ratio Lower Upper
152 100
150 161.4 123.7 185.5
115 66.7 49.9 74.9

Manual Integrations
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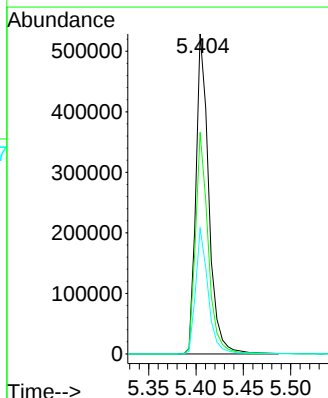
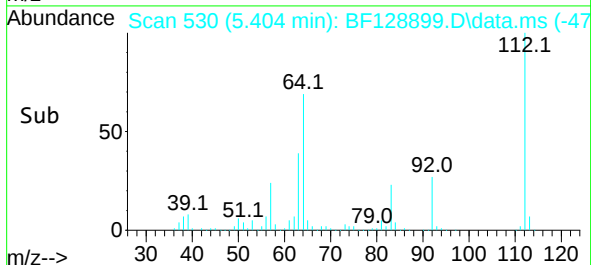
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#5
2-Fluorophenol
Concen: 79.536 ng
RT: 5.404 min Scan# 530
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42



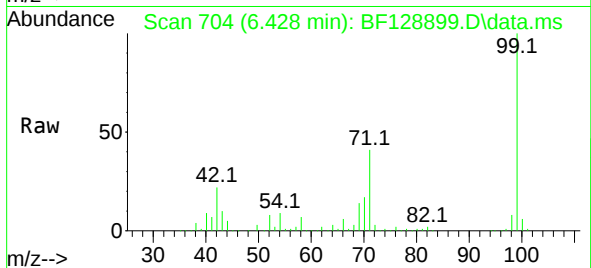
Tgt Ion:112 Resp: 500658
Ion Ratio Lower Upper
112 100
64 69.2 53.3 79.9
63 39.2 28.0 42.0





#7
Phenol-d6
Concen: 92.934 ng
RT: 6.428 min Scan# 716
Delta R.T. 0.012 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

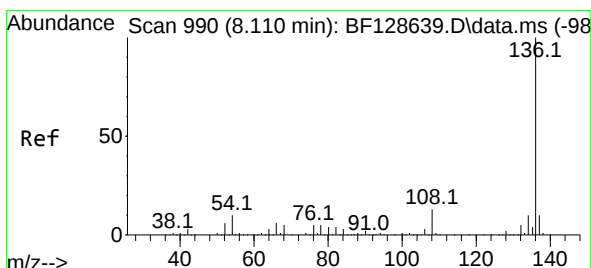
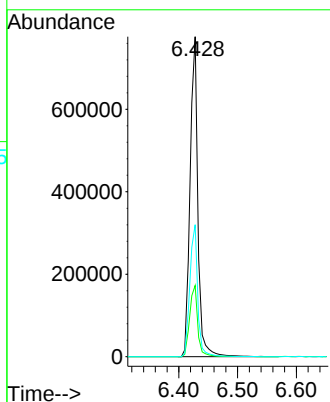
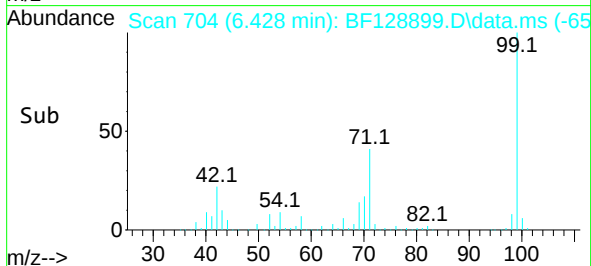
Instrument :
BNA_F
ClientSampleId :
SC-6E



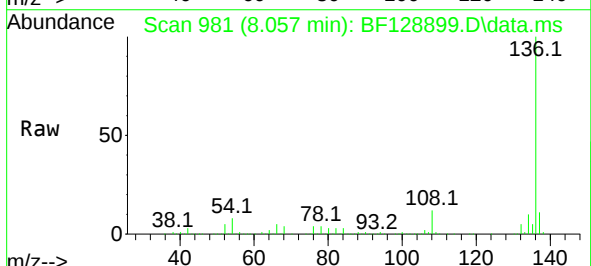
Tgt Ion: 99 Resp: 714080
Ion Ratio Lower Upper
99 100
42 22.2 17.3 25.9
71 41.2 28.9 43.3

Manual Integrations
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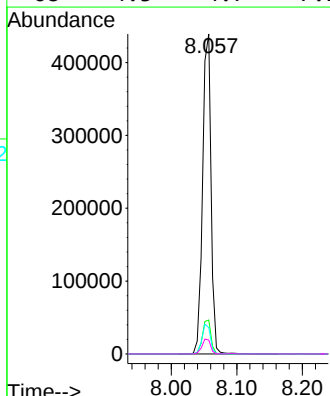
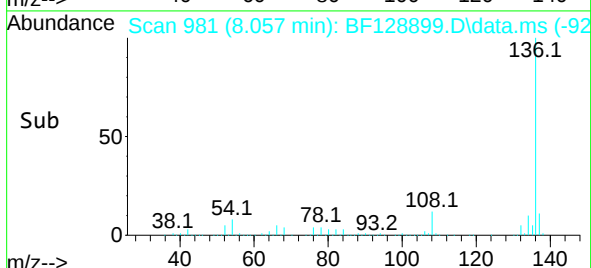
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 981
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42



Tgt Ion:136 Resp: 393695
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.3 7.5 11.3
68 4.3 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 60.584 ng

RT: 7.340 min Scan# 81

Delta R.T. 0.012 min

Lab File: BF128899.D

Acq: 21 Jun 2022 14:42

Instrument :

BNA_F

ClientSampleId :

SC-6E

Tgt Ion: 82 Resp: 512290

Ion Ratio Lower Upper

82 100

128 39.6 34.0 51.0

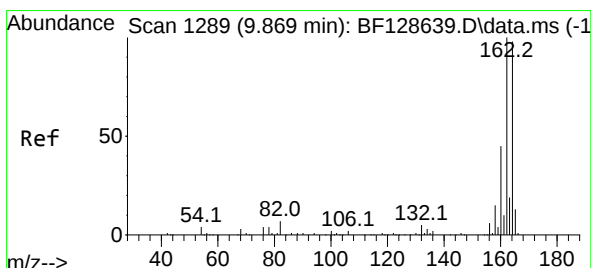
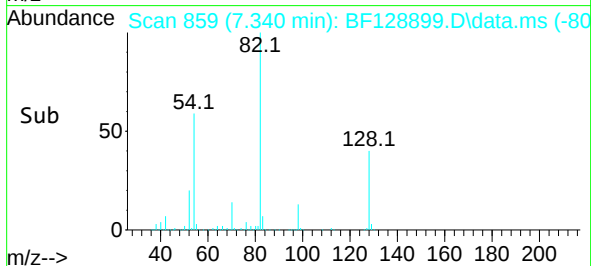
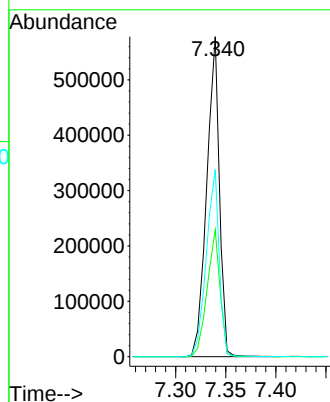
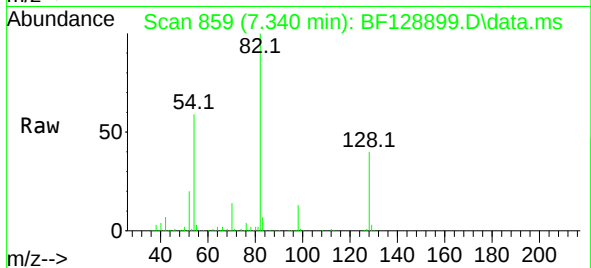
54 58.5 46.9 70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1279

Delta R.T. 0.018 min

Lab File: BF128899.D

Acq: 21 Jun 2022 14:42

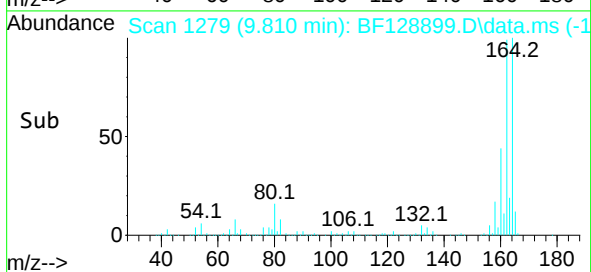
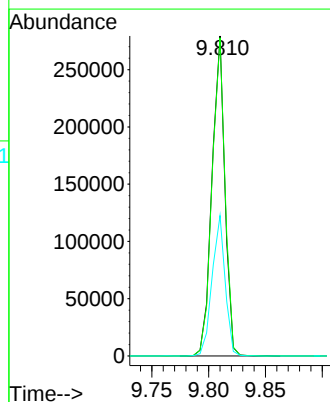
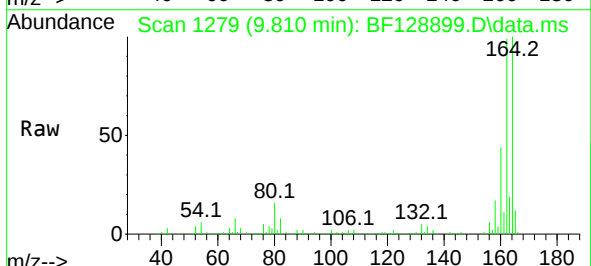
Tgt Ion:164 Resp: 219371

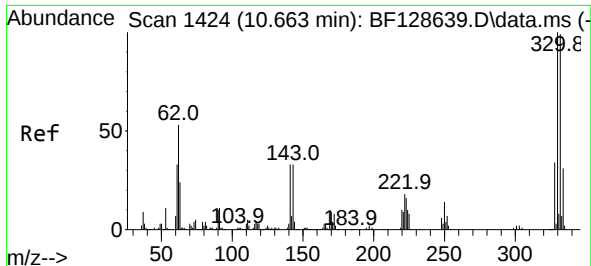
Ion Ratio Lower Upper

164 100

162 99.5 79.5 119.3

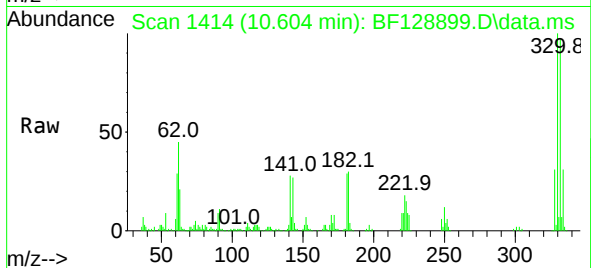
160 43.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 35.461 ng
RT: 10.604 min Scan# 1424
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

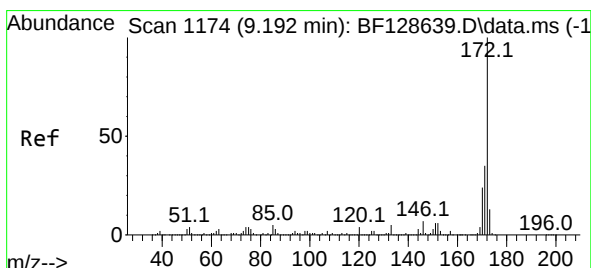
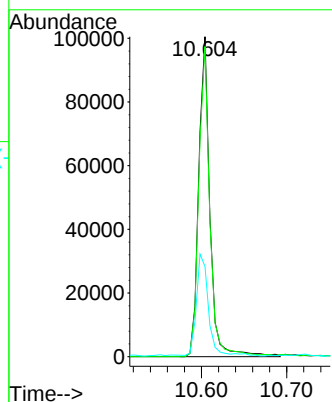
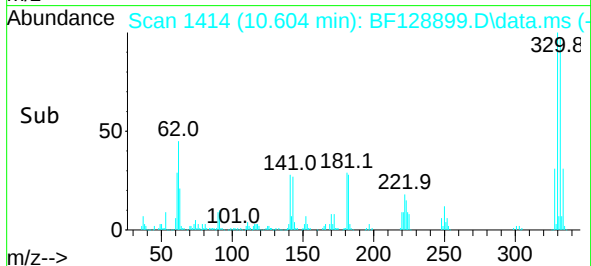
Instrument :
BNA_F
ClientSampleId :
SC-6E



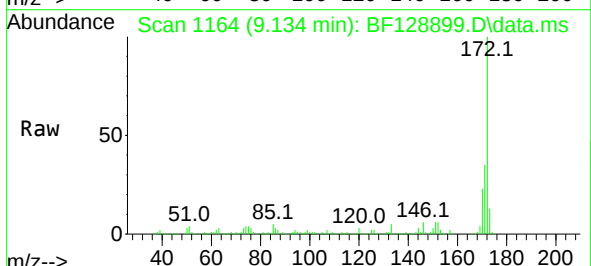
Tgt Ion: 330 Resp: 91915
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 34.4 28.0 42.0

Manual Integrations
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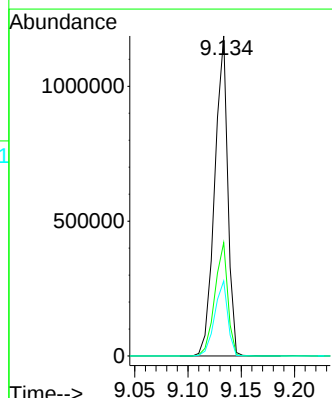
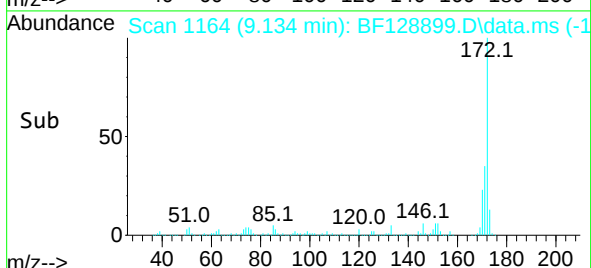
Reviewed By : Christian Giraldo 06/22/2022
Supervised By : Jagrut Upadhyay 06/22/2022

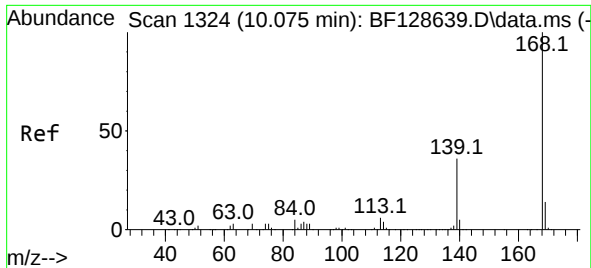


#45
2-Fluorobiphenyl
Concen: 64.490 ng
RT: 9.134 min Scan# 1164
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42



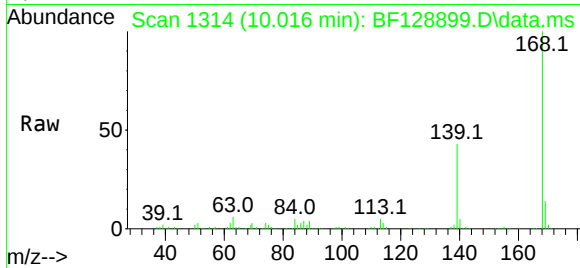
Tgt Ion: 172 Resp: 1009945
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 19.8 29.8





#55
Dibenzenofuran
Concen: 3.774 ng
RT: 10.016 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

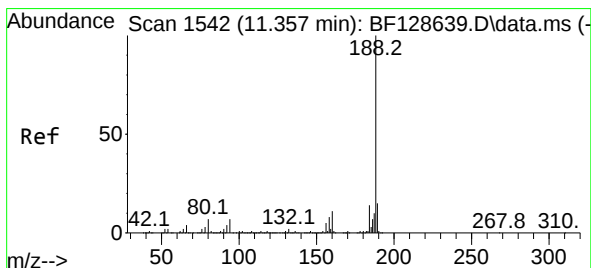
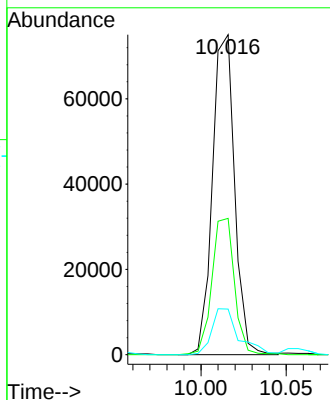
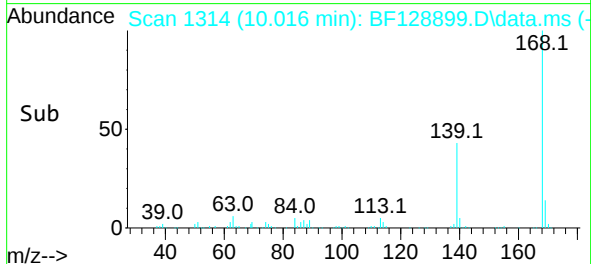
Instrument :
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ClientSampleId :
SC-6E



Tgt Ion:168 Resp: 67910
Ion Ratio Lower Upper
168 100
139 42.6 30.6 46.0
169 14.2 11.0 16.6

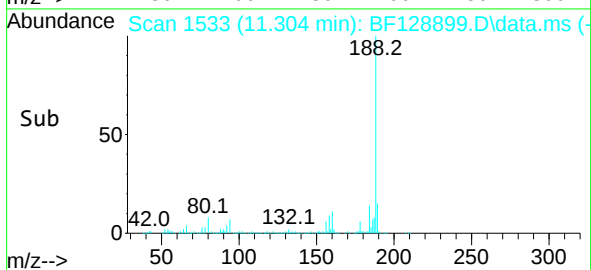
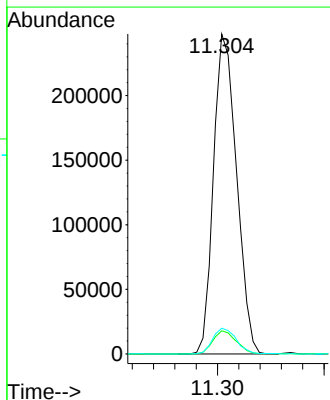
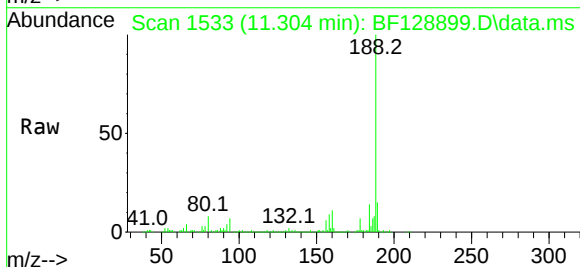
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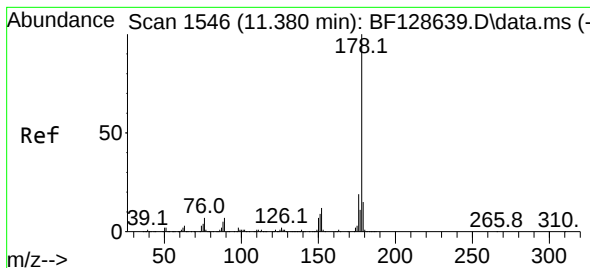
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1533
Delta R.T. 0.024 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

Tgt Ion:188 Resp: 371503
Ion Ratio Lower Upper
188 100
94 7.3 7.0 10.6
80 8.1 7.6 11.4





#71

Phenanthrene

Concen: 298.657 ng

RT: 11.351 min Scan# 11351

Delta R.T. 0.041 min

Lab File: BF128899.D

Acq: 21 Jun 2022 14:42

Instrument :

BNA_F

ClientSampleId :

SC-6E

Tgt Ion:178 Resp: 556511

Ion Ratio Lower Upper

178 100

176 21.7 16.0 24.0

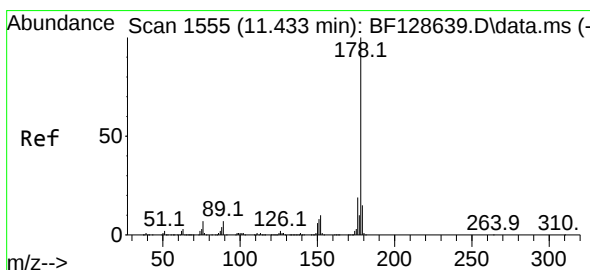
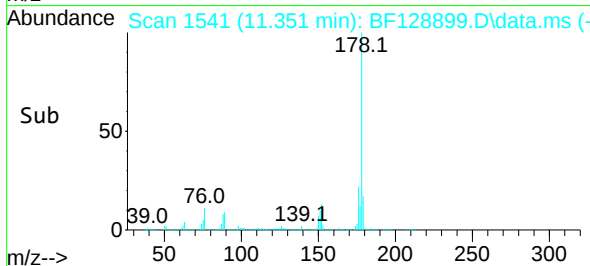
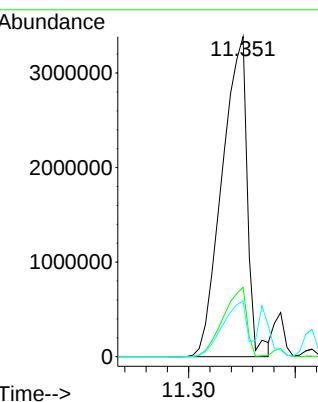
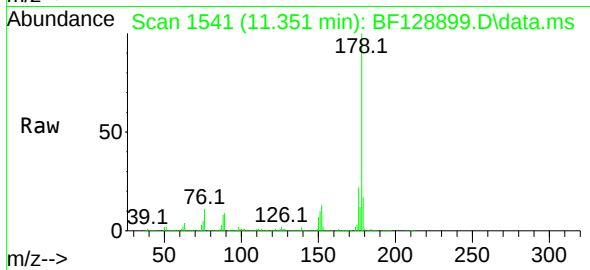
179 17.4 12.6 19.0

Manual Integrations

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#72

Anthracene

Concen: 17.246 ng

RT: 11.386 min Scan# 1547

Delta R.T. 0.030 min

Lab File: BF128899.D

Acq: 21 Jun 2022 14:42

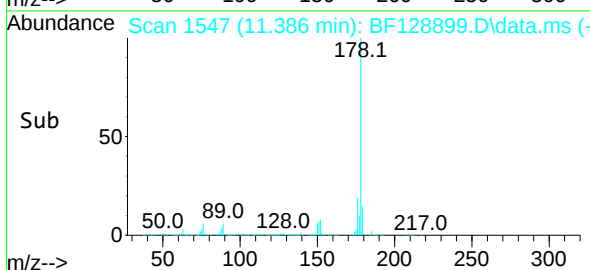
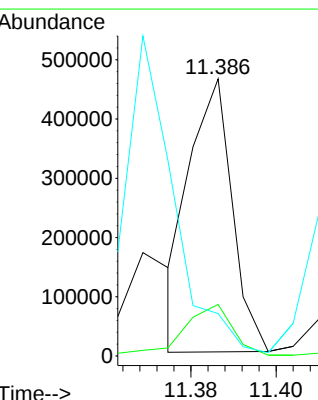
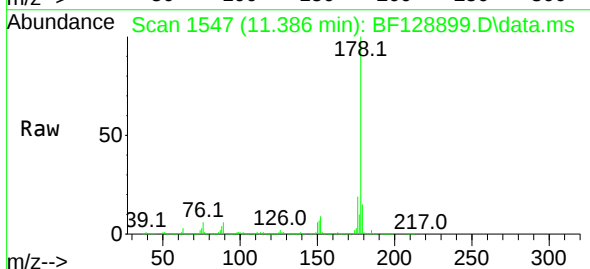
Tgt Ion:178 Resp: 318070

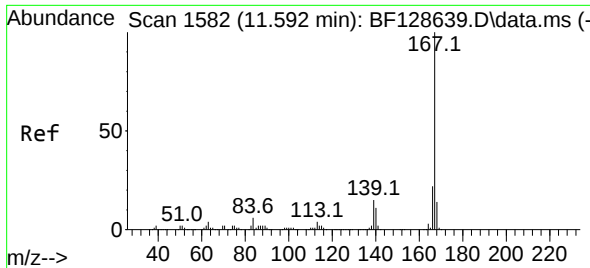
Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

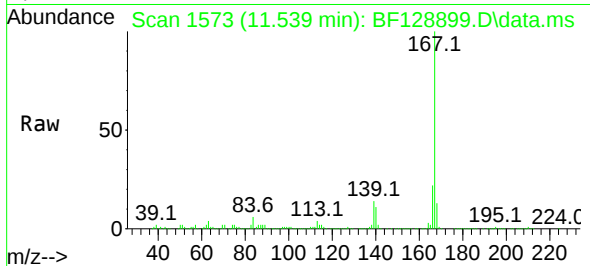
179 15.3 12.6 19.0





#73
 Carbazole
 Concen: 32.449 ng
 RT: 11.539 min Scan# 1573
 Delta R.T. 0.024 min
 Lab File: BF128899.D
 Acq: 21 Jun 2022 14:42

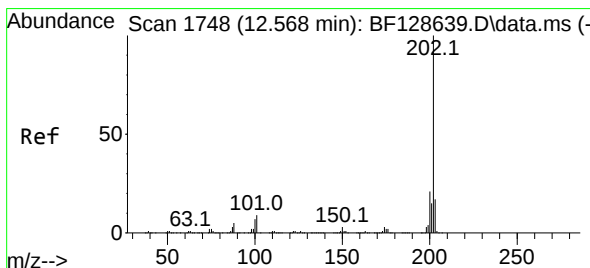
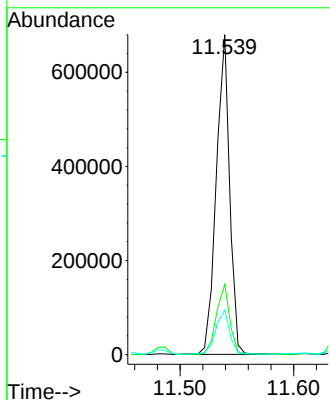
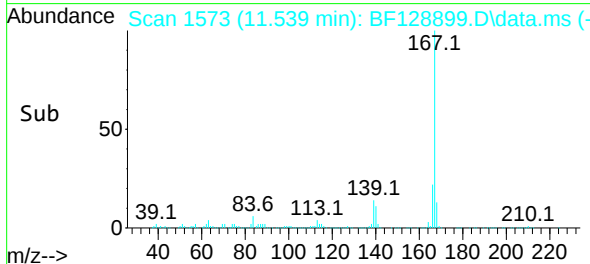
Instrument :
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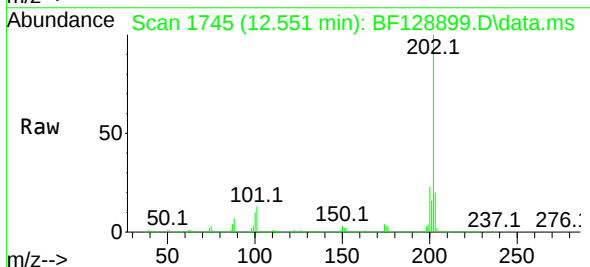
Tgt Ion:167 Resp: 55586
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.7 26.5
 139 14.0 11.2 16.8

Manual Integrations
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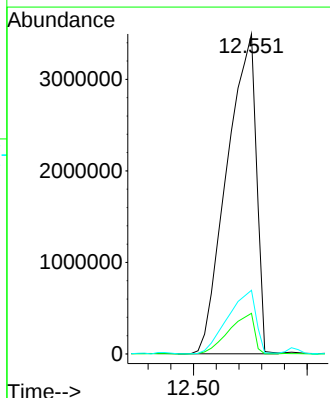
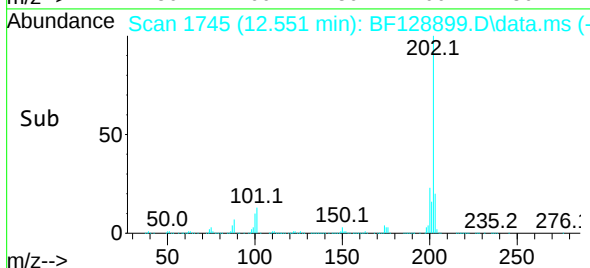
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022

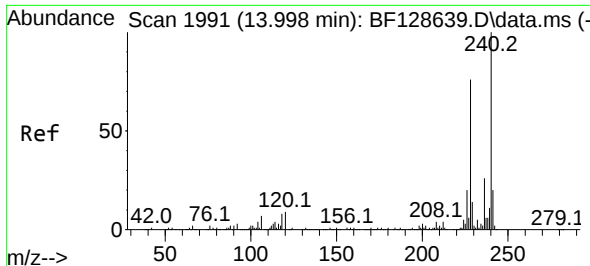


#75
 Fluoranthene
 Concen: 320.801 ng
 RT: 12.551 min Scan# 1745
 Delta R.T. 0.053 min
 Lab File: BF128899.D
 Acq: 21 Jun 2022 14:42



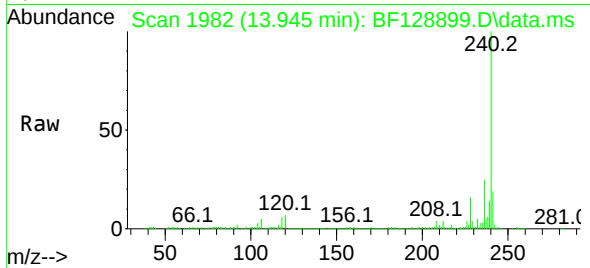
Tgt Ion:202 Resp: 6248533
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 31.4
 203 19.9 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 1991
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

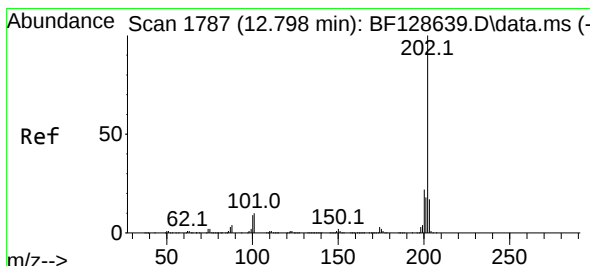
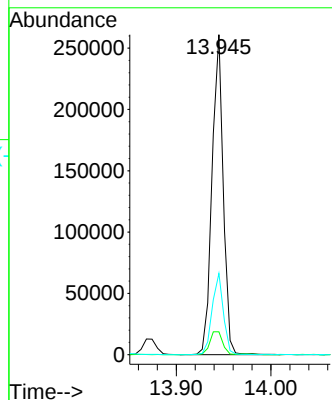
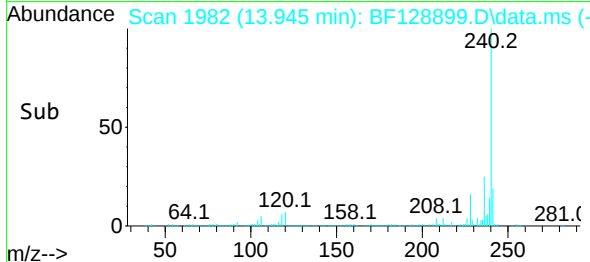
Instrument :
BNA_F
ClientSampleId :
SC-6E



Tgt Ion:240 Resp: 213860
Ion Ratio Lower Upper
240 100
120 7.2 8.9 13.3
236 25.4 20.8 31.2

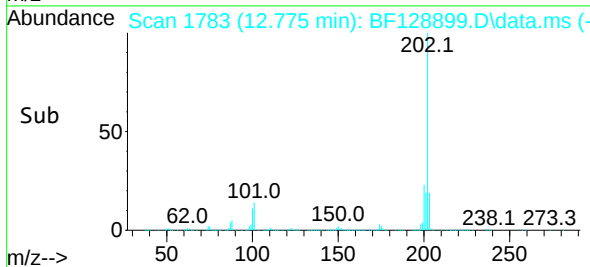
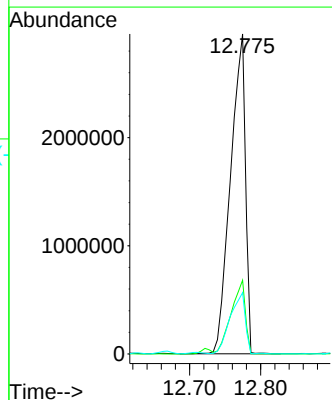
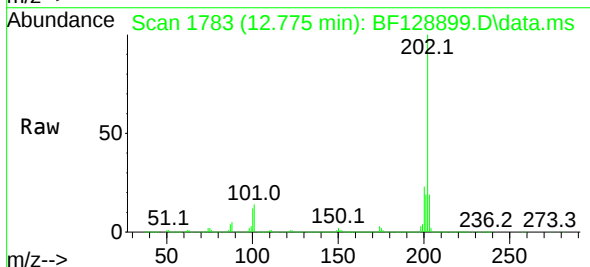
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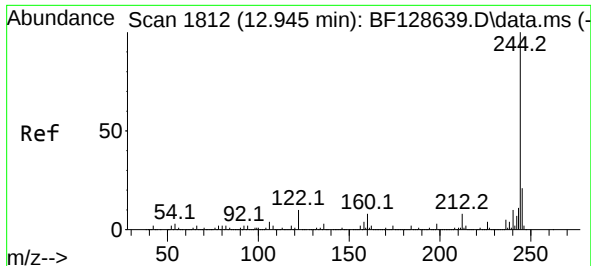
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022



#78
Pyrene
Concen: 270.958 ng
RT: 12.775 min Scan# 1783
Delta R.T. 0.047 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

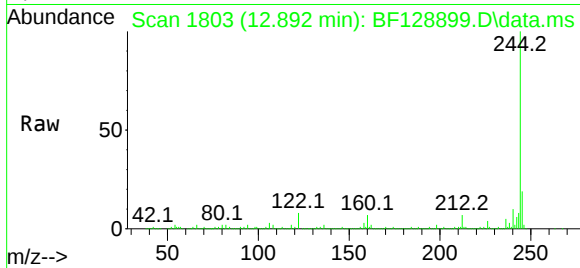
Tgt Ion:202 Resp: 4311356
Ion Ratio Lower Upper
202 100
200 23.0 17.7 26.5
203 19.1 14.6 21.8





#79
 Terphenyl-d14
 Concen: 72.657 ng
 RT: 12.892 min Scan# 1803
 Delta R.T. 0.024 min
 Lab File: BF128899.D
 Acq: 21 Jun 2022 14:42

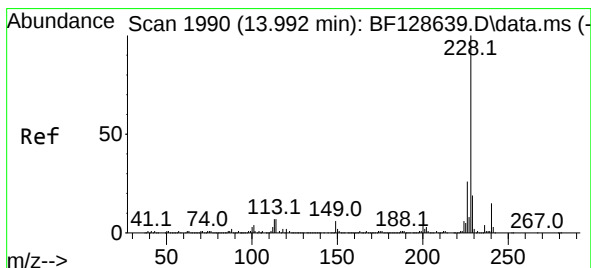
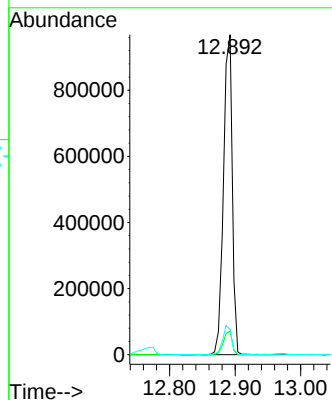
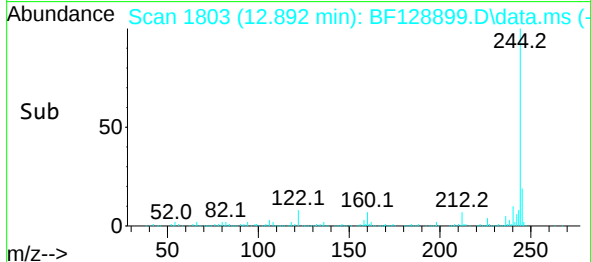
Instrument :
 BNA_F
 ClientSampleId :
 SC-6E



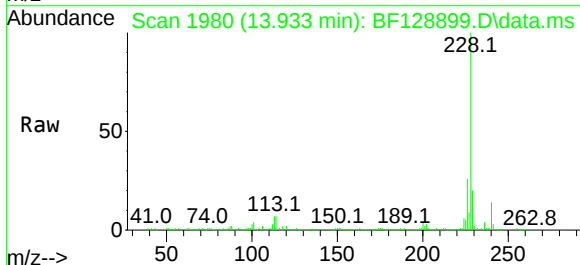
Tgt Ion:244 Resp: 89424
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 7.8 8.8 13.2

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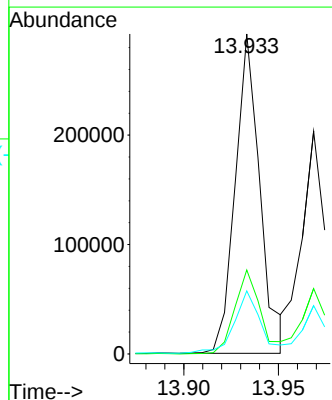
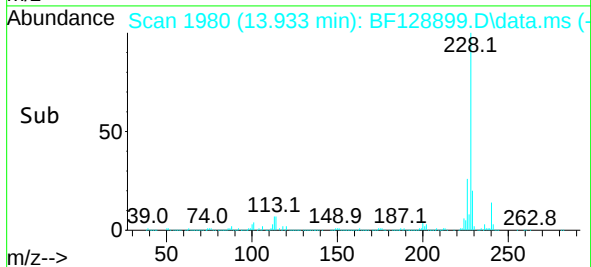
Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022

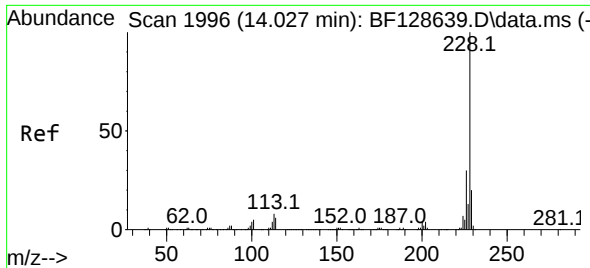


#81
 Benzo(a)anthracene
 Concen: 19.825 ng
 RT: 13.933 min Scan# 1980
 Delta R.T. 0.018 min
 Lab File: BF128899.D
 Acq: 21 Jun 2022 14:42



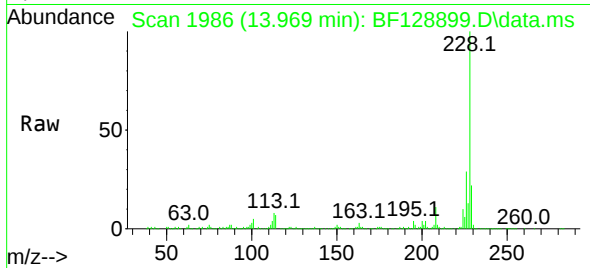
Tgt Ion:228 Resp: 264289
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.1 33.1
 229 19.7 15.8 23.8





#83
Chrysene
Concen: 13.629 ng
RT: 13.969 min Scan# 1996
Delta R.T. 0.018 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42

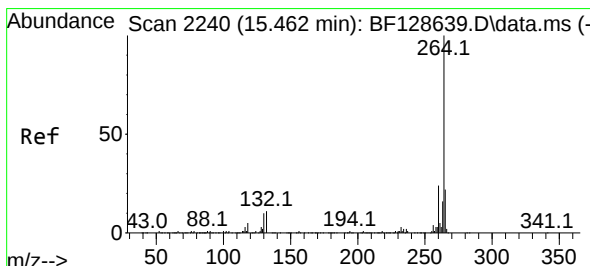
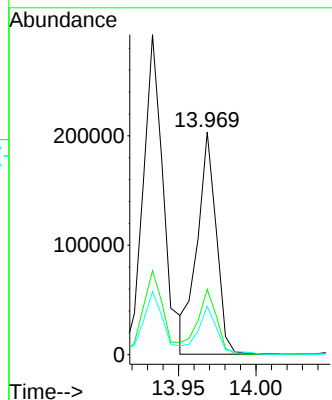
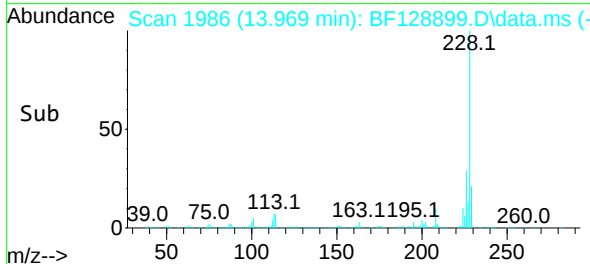
Instrument :
BNA_F
ClientSampleId :
SC-6E



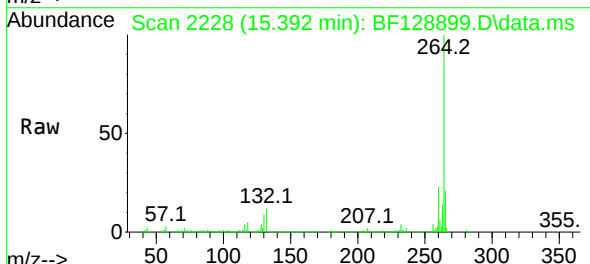
Tgt Ion:228 Resp: 17321
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 21.7 15.9 23.9

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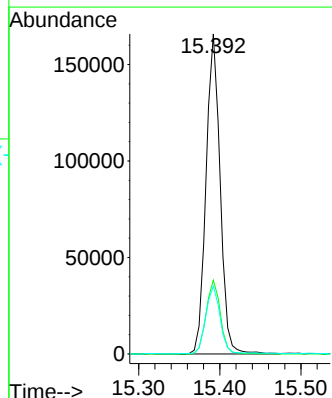
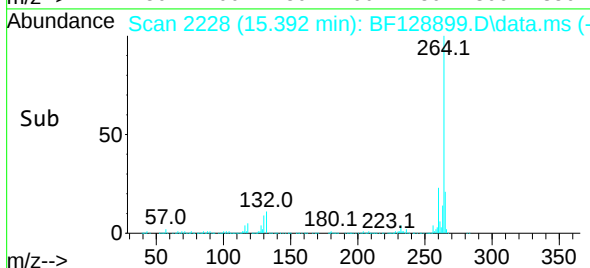
Reviewed By :Christian Giraldo 06/22/2022
Supervised By :Jagrut Upadhyay 06/22/2022

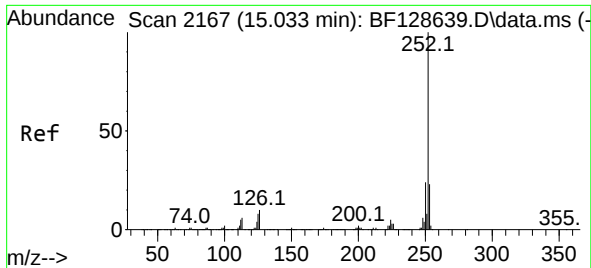


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 2228
Delta R.T. 0.030 min
Lab File: BF128899.D
Acq: 21 Jun 2022 14:42



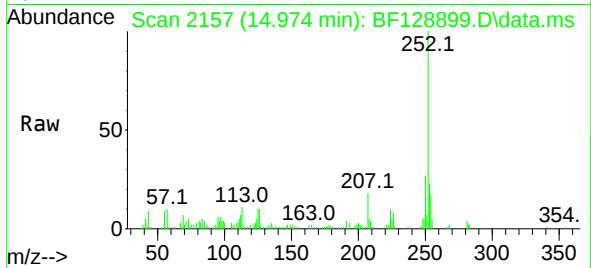
Tgt Ion:264 Resp: 199653
Ion Ratio Lower Upper
264 100
260 23.0 18.4 27.6
265 21.2 17.2 25.8





#88
 Benzo(b)fluoranthene
 Concen: 2.136 ng m
 RT: 14.974 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF128899.D
 Acq: 21 Jun 2022 14:42

Instrument :
 BNA_F
 ClientSampleId :
 SC-6E



Tgt Ion:252 Resp: 2725
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.7 26.5
 125 10.0 8.0 12.0

Manual Integrations
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Reviewed By :Christian Giraldo 06/22/2022
 Supervised By :Jagrut Upadhyay 06/22/2022

