

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
 Data File : BF128792.D
 Acq On : 13 Jun 2022 19:14
 Operator : CG\JU
 Sample : N3304-05
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-6

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/14/2022
 Supervised By : Jagrut Upadhyay 06/14/2022

Quant Time: Jun 14 01:56:50 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 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	58451	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	194590	20.000	ng	# 0.00
39) Acenaphthene-d10	9.881	164	92952	20.000	ng	0.02
64) Phenanthrene-d10	11.380	188	151340	20.000	ng	# 0.04
76) Chrysene-d12	14.080	240	83138	20.000	ng	# 0.09
86) Perylene-d12	15.592	264	78003	20.000	ng	# 0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	431625	117.621	ng	-0.02
7) Phenol-d6	6.469	99	523722	116.918	ng	-0.01
23) Nitrobenzene-d5	7.375	82	391671	93.713	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	125227	114.022	ng	0.04
45) 2-Fluorobiphenyl	9.181	172	608144	91.648	ng	0.00
79) Terphenyl-d14	12.992	244	518178	108.302	ng	0.06
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.816	142	52620	8.284	ng	94
38) 1-Methylnaphthalene	8.916	142	91822	14.962	ng	97
71) Phenanthrene	11.410	178	185404	24.425	ng	# 53
78) Pyrene	12.863	202	353572	57.162	ng	# 65
81) Benzo(a)anthracene	14.074	228	248559	47.963	ng	# 48
83) Chrysene	14.092	228	161406m	32.669	ng	
87) Indeno(1,2,3-cd)pyrene	17.086	276	37170	7.906	ng	98
88) Benzo(b)fluoranthene	15.145	252	57344m	11.505	ng	
90) Benzo(a)pyrene	15.527	252	70599m	18.022	ng	
92) Benzo(g,h,i)perylene	17.539	276	85184	22.040	ng	# 80

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

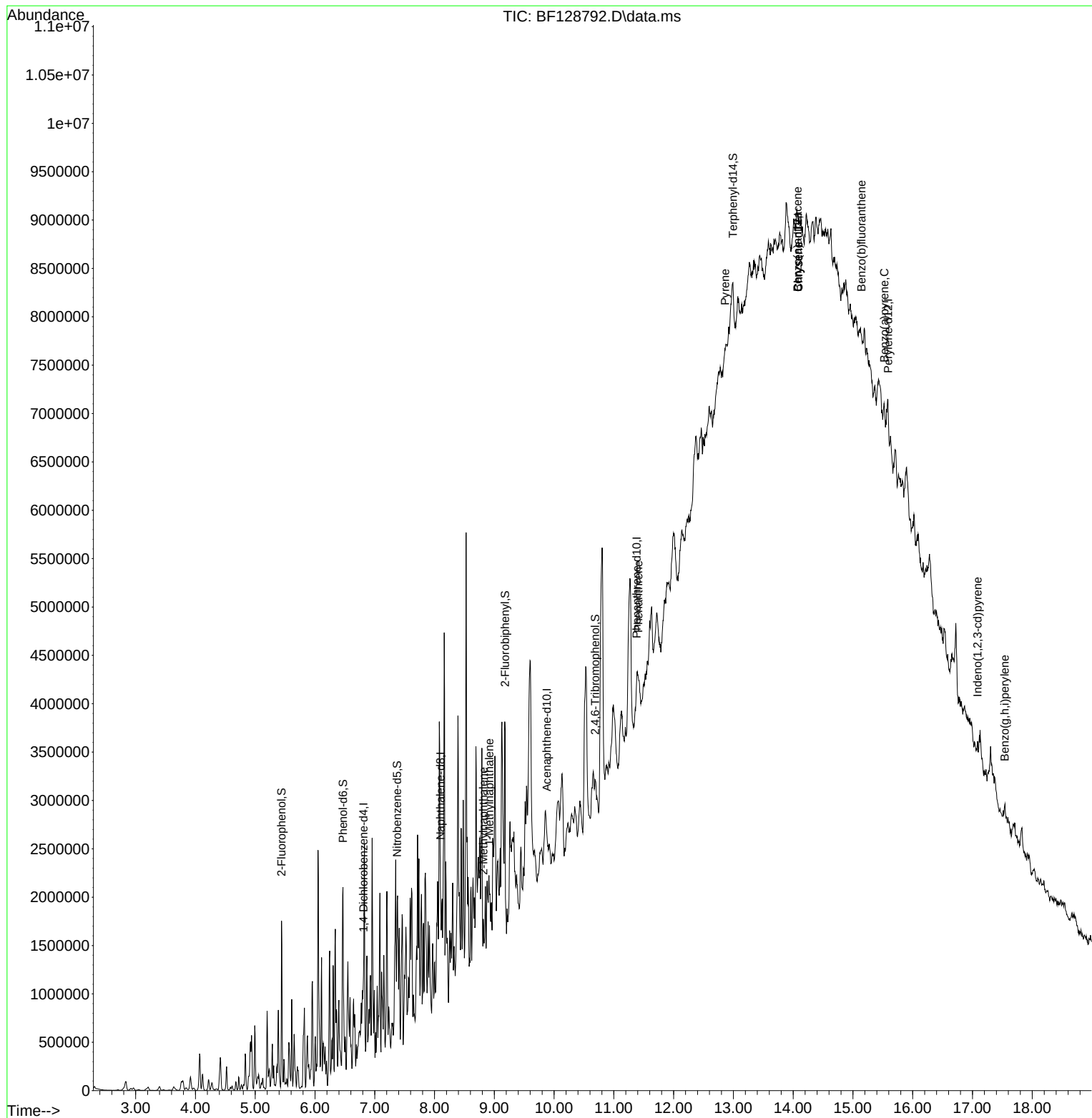
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061322\
Data File : BF128792.D
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ALS Vial : 18 Sample Multiplier: 1

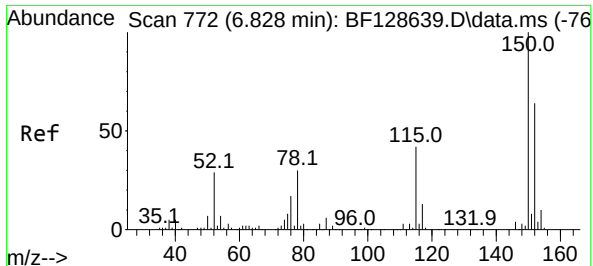
Instrument :
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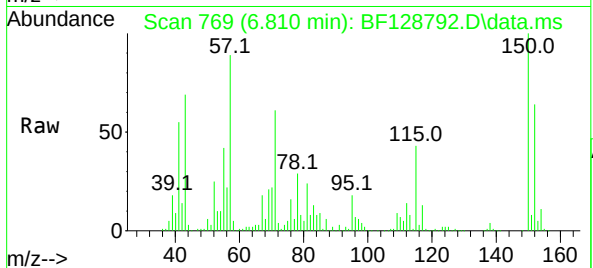
Reviewed By : Christian Giraldo 06/14/2022
Supervised By : Jagrut Upadhyay 06/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

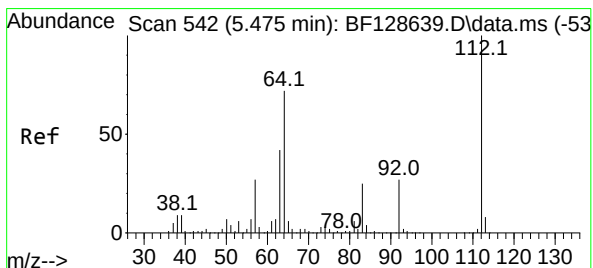
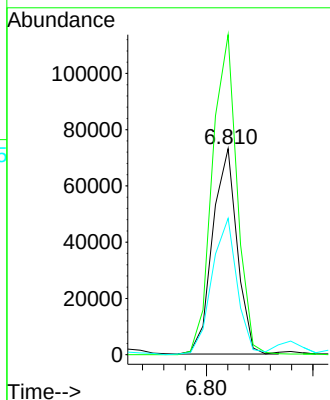
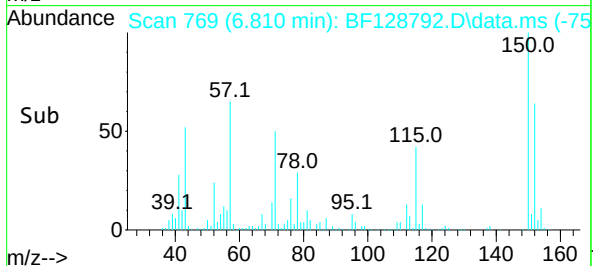
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-6



Tgt Ion:152 Resp: 5845
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 66.2 49.9 74.9

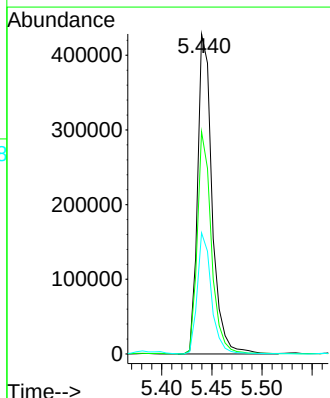
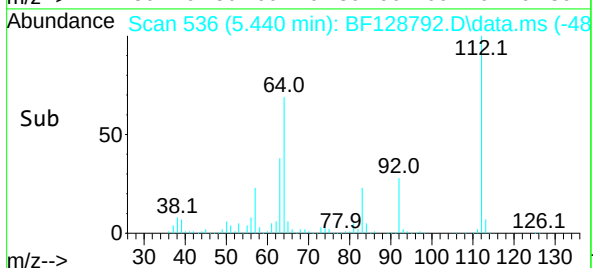
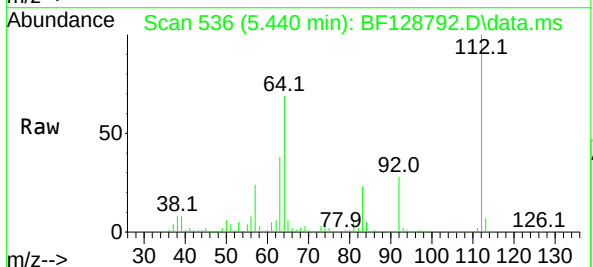
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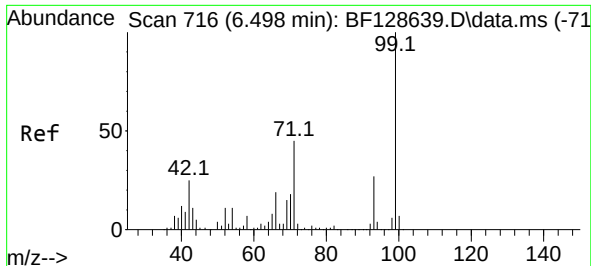
Reviewed By :Christian Giraldo 06/14/2022
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#5
2-Fluorophenol
Concen: 117.621 ng
RT: 5.440 min Scan# 536
Delta R.T. -0.018 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

Tgt Ion:112 Resp: 431625
Ion Ratio Lower Upper
112 100
64 69.5 53.3 79.9
63 37.9 28.0 42.0





#7

Phenol-d6

Concen: 116.918 ng

RT: 6.469 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF128792.D

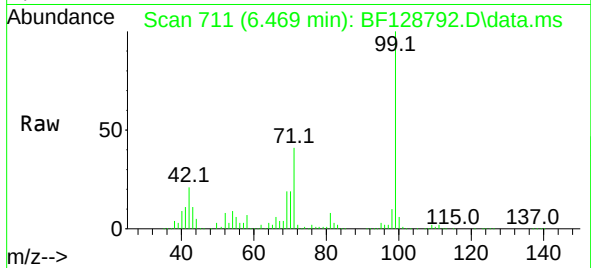
Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-6

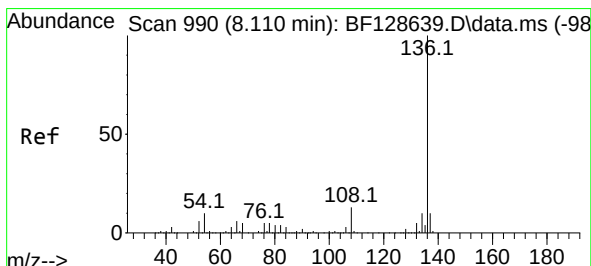
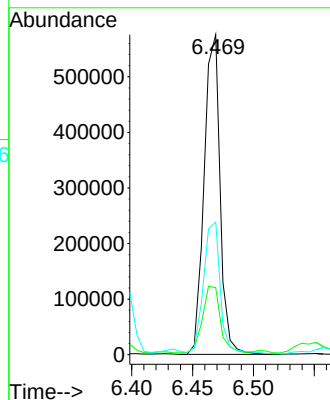
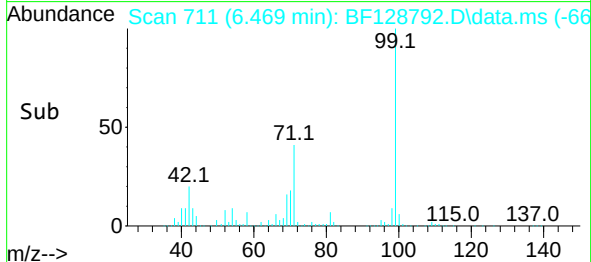


Tgt Ion: 99 Resp: 52372

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.3	25.9
71	41.4	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 988

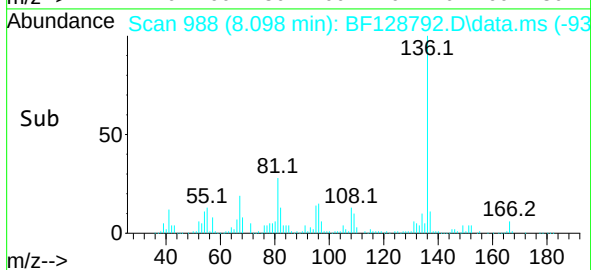
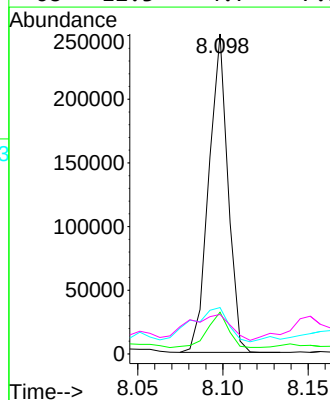
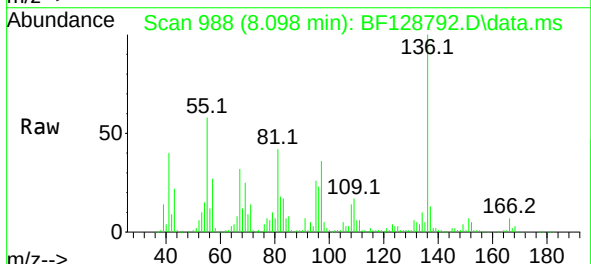
Delta R.T. -0.000 min

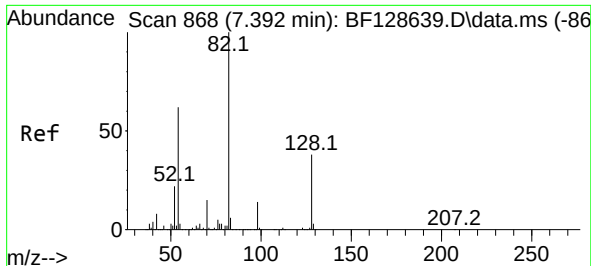
Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Tgt Ion:136 Resp: 194590

Ion	Ratio	Lower	Upper
136	100		
137	13.1	8.8	13.2
54	14.5	7.5	11.3#
68	12.3	4.7	7.1#





#23
Nitrobenzene-d5
Concen: 93.713 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

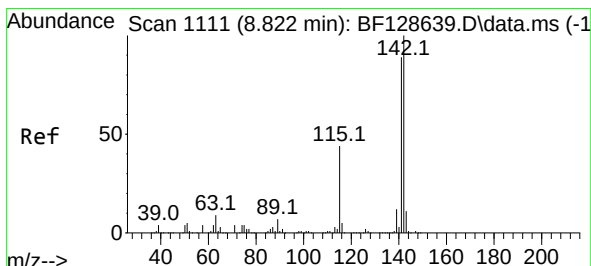
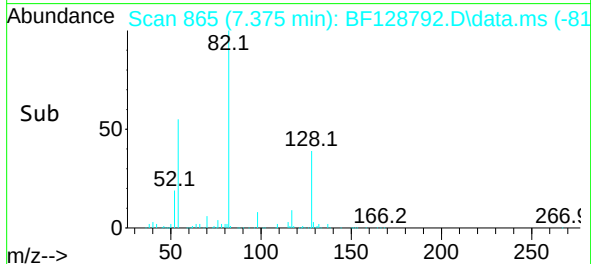
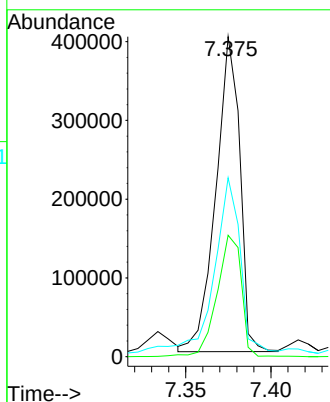
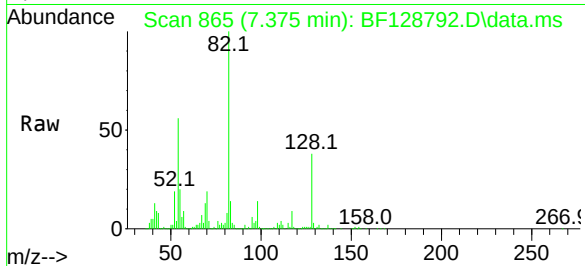
ClientSampleId :

WC-14A-1A-6

Tgt Ion: 82 Resp: 39167
Ion Ratio Lower Upper
82 100
128 38.0 34.0 51.0
54 55.9 46.9 70.3

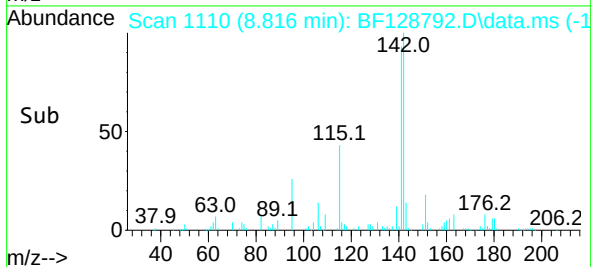
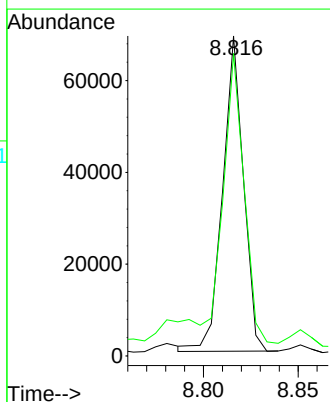
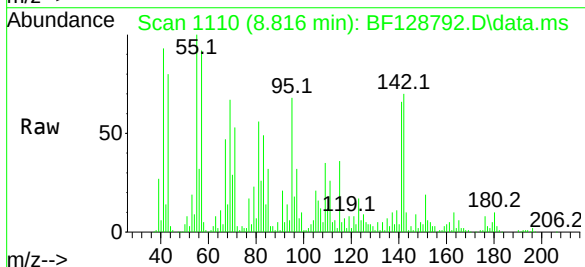
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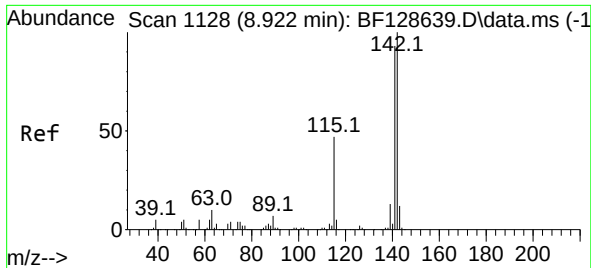
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#37
2-Methylnaphthalene
Concen: 8.284 ng
RT: 8.816 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

Tgt Ion:142 Resp: 52620
Ion Ratio Lower Upper
142 100
141 94.5 71.0 106.4





#38
1-Methylnaphthalene
Concen: 14.962 ng
RT: 8.916 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

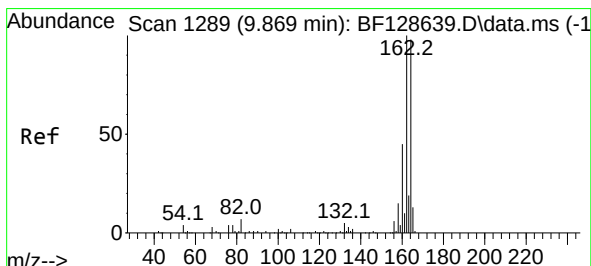
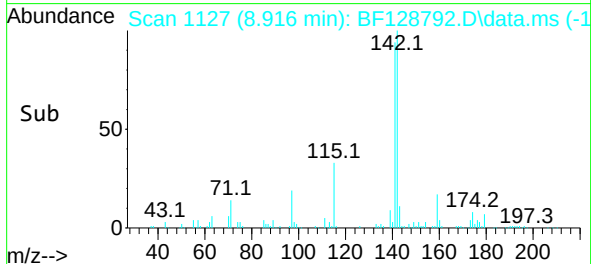
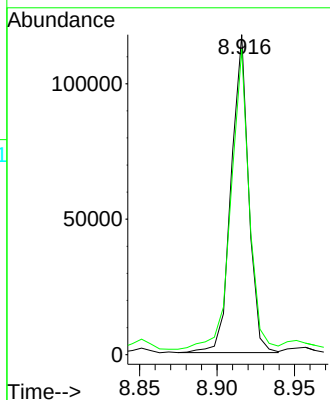
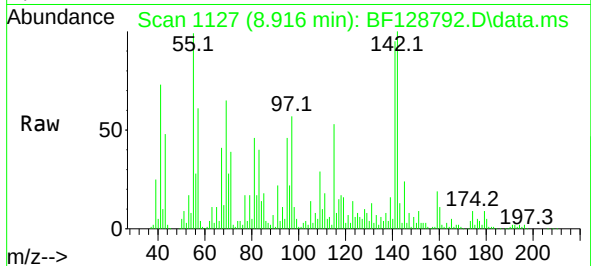
ClientSampleId :

WC-14A-1A-6

Tgt Ion:142 Resp: 9182
Ion Ratio Lower Upper
142 100
141 95.4 74.2 111.4

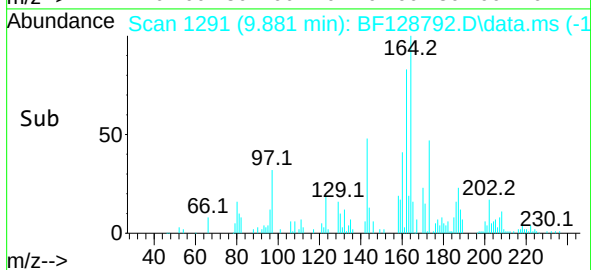
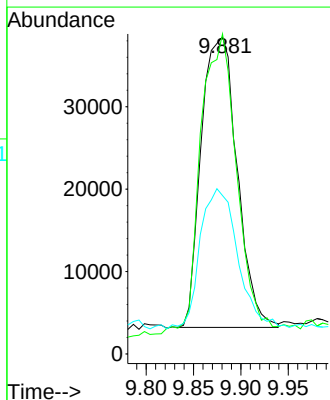
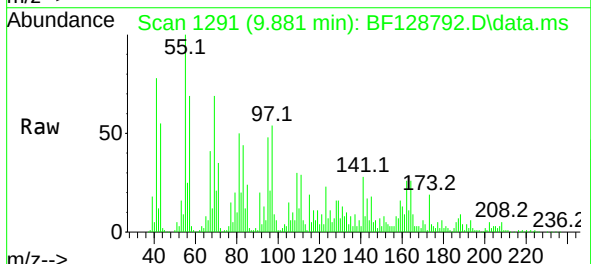
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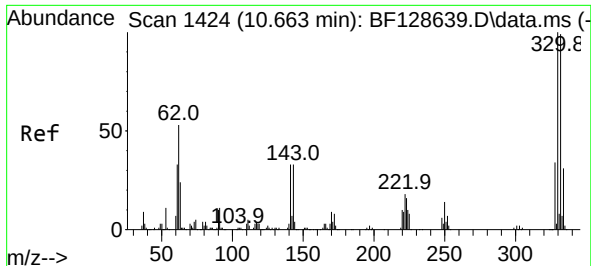
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. 0.023 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

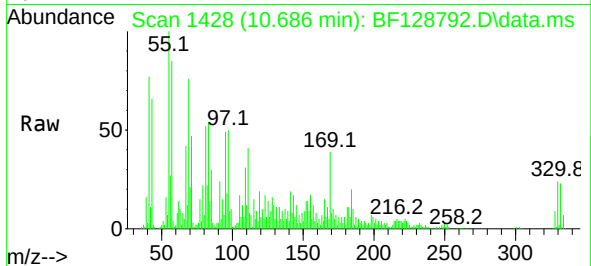
Tgt Ion:164 Resp: 92952
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 49.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 114.022 ng
RT: 10.686 min Scan# 1428
Delta R.T. 0.035 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

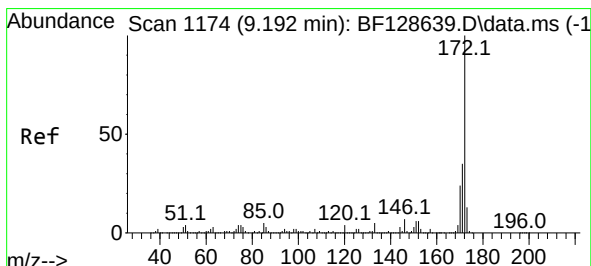
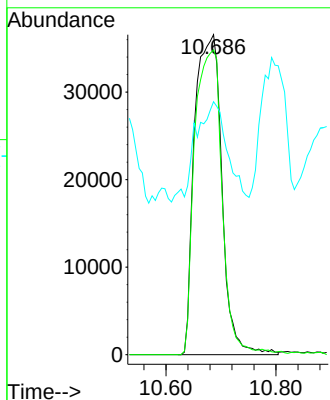
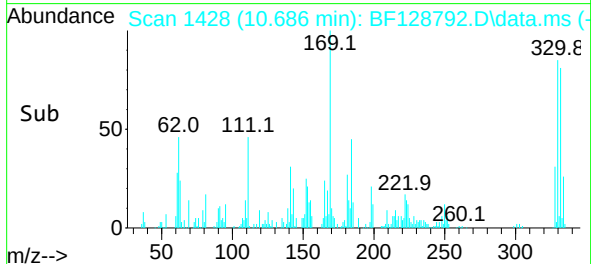
Instrument :
BNA_F
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WC-14A-1A-6



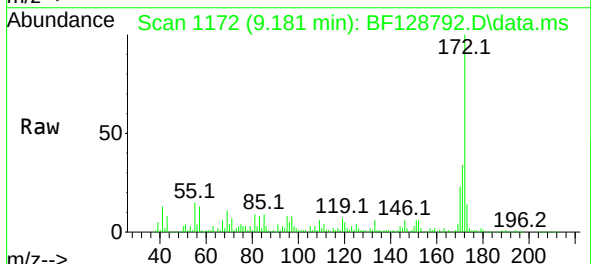
Tgt Ion: 330 Resp: 12522
Ion Ratio Lower Upper
330 100
332 95.2 76.8 115.2
141 36.2 28.0 42.0

Manual Integrations
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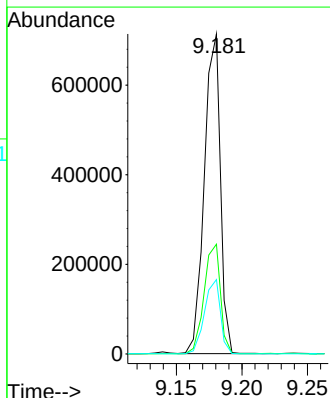
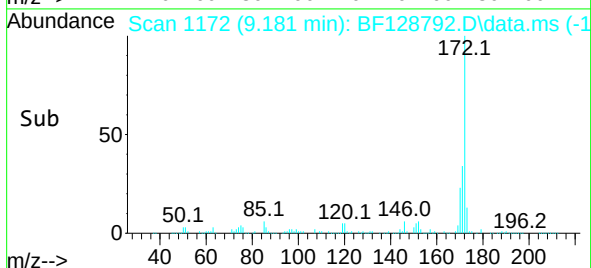
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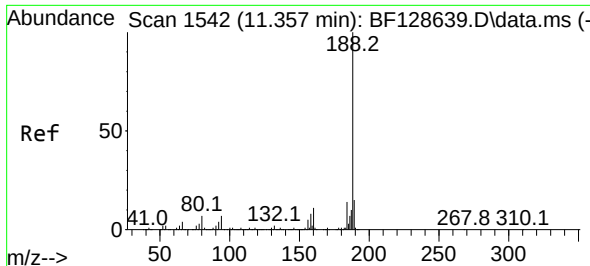


#45
2-Fluorobiphenyl
Concen: 91.648 ng
RT: 9.181 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14



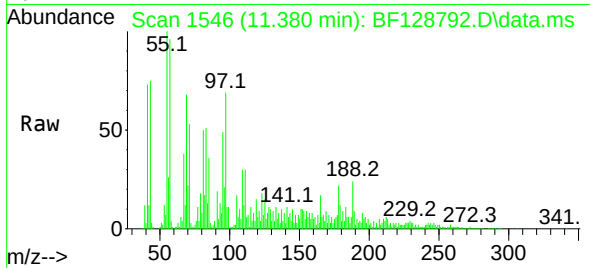
Tgt Ion: 172 Resp: 608144
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 23.3 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1546
Delta R.T. 0.041 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

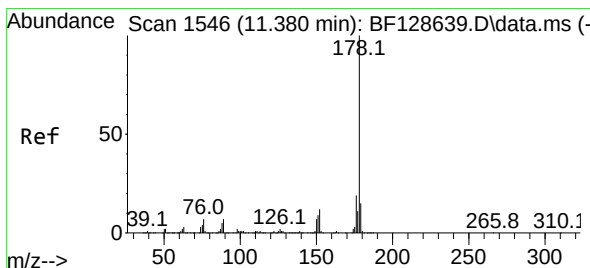
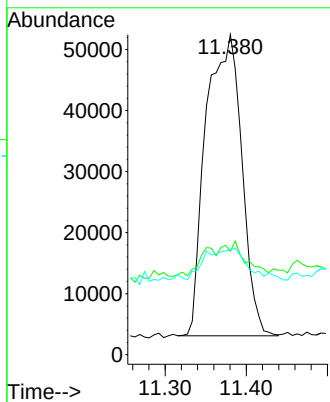
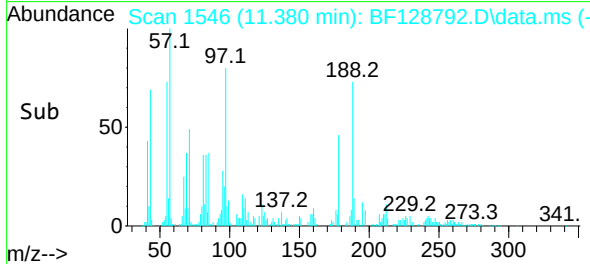
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BNA_F
ClientSampleId :
WC-14A-1A-6



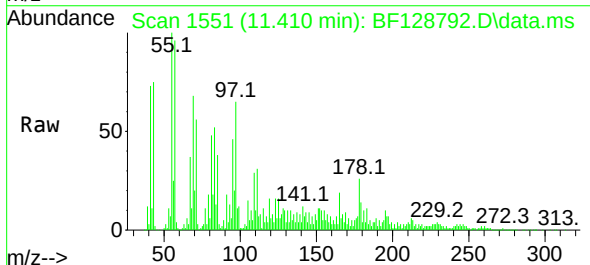
Tgt Ion:188 Resp: 151340
Ion Ratio Lower Upper
188 100
94 32.3 7.0 10.6
80 32.7 7.6 11.4

Manual Integrations
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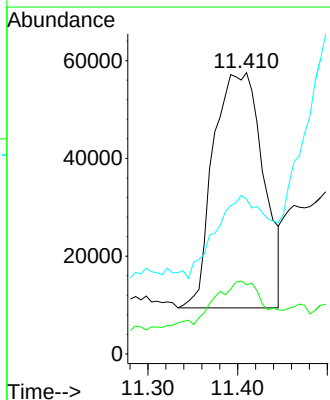
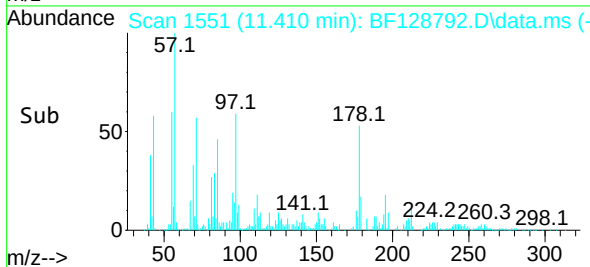
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022

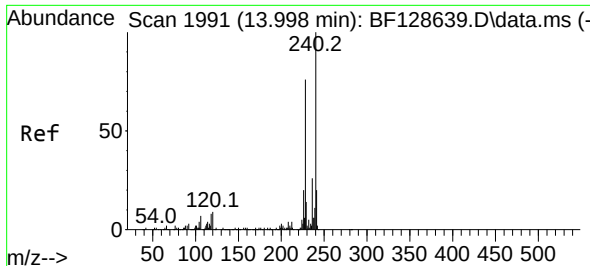


#71
Phenanthrene
Concen: 24.425 ng
RT: 11.410 min Scan# 1551
Delta R.T. 0.041 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14



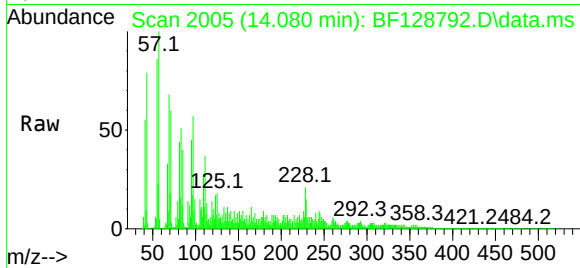
Tgt Ion:178 Resp: 185404
Ion Ratio Lower Upper
178 100
176 24.6 16.0 24.0#
179 55.0 12.6 19.0#





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 20
Delta R.T. 0.094 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

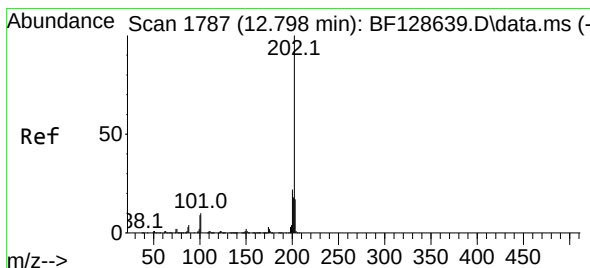
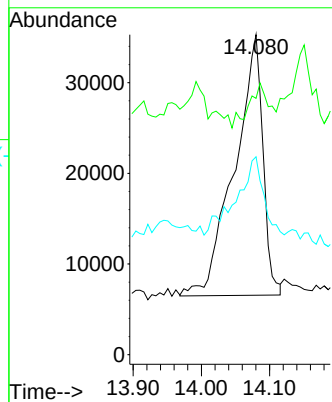
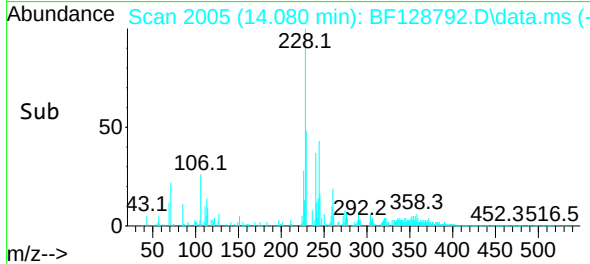
Instrument :
BNA_F
ClientSampleId :
WC-14A-1A-6



Tgt Ion:240 Resp: 8313
Ion Ratio Lower Upper
240 100
120 80.1 8.9 13.3
236 61.9 20.8 31.2

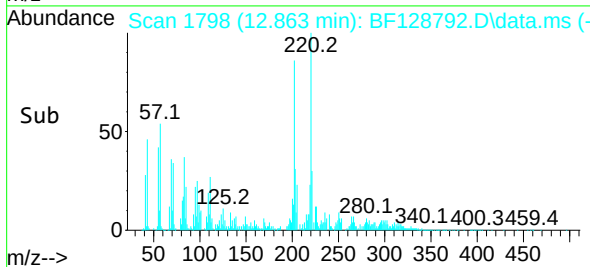
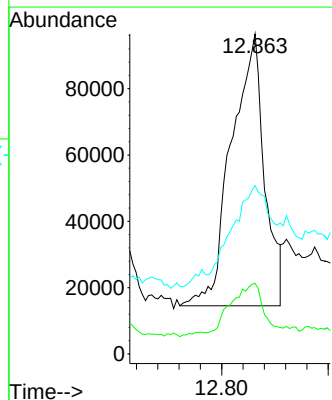
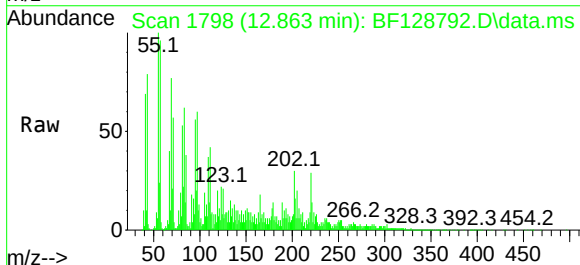
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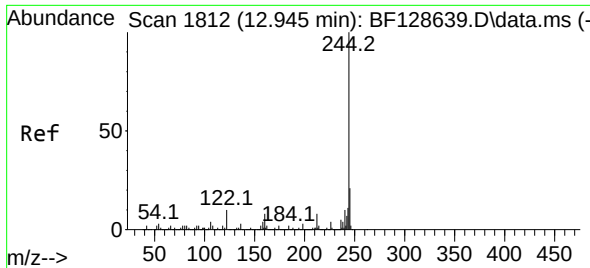
Reviewed By :Christian Giraldo 06/14/2022
Supervised By :Jagrut Upadhyay 06/14/2022



#78
Pyrene
Concen: 57.162 ng
RT: 12.863 min Scan# 1798
Delta R.T. 0.076 min
Lab File: BF128792.D
Acq: 13 Jun 2022 19:14

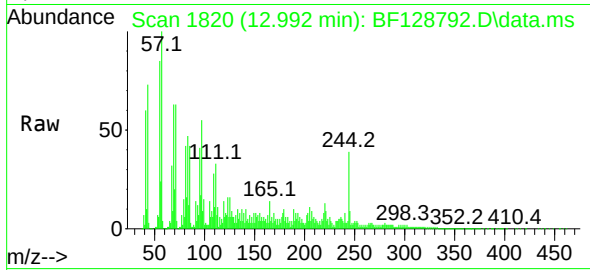
Tgt Ion:202 Resp: 353572
Ion Ratio Lower Upper
202 100
200 22.1 17.7 26.5
203 52.6 14.6 21.8





#79
 Terphenyl-d14
 Concen: 108.302 ng
 RT: 12.992 min Scan# 1812
 Delta R.T. 0.059 min
 Lab File: BF128792.D
 Acq: 13 Jun 2022 19:14

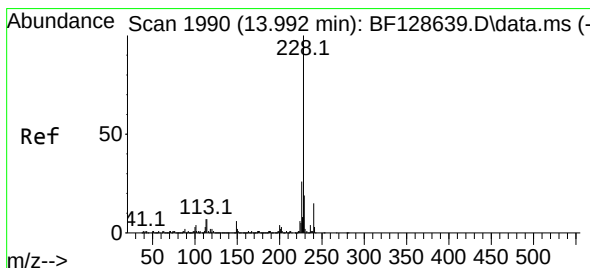
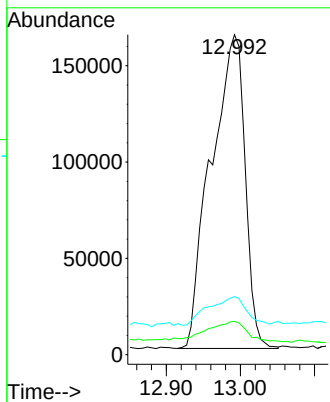
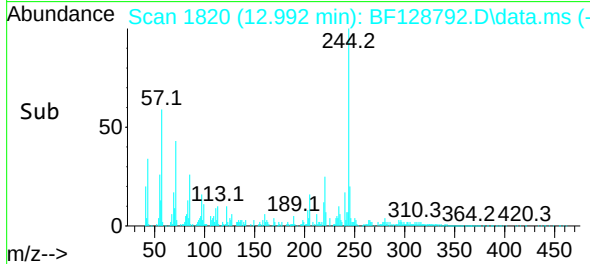
Instrument :
 BNA_F
 ClientSampleId :
 WC-14A-1A-6



Tgt Ion:244 Resp: 518178
 Ion Ratio Lower Upper
 244 100
 212 10.4 6.1 9.1#
 122 18.1 8.8 13.2#

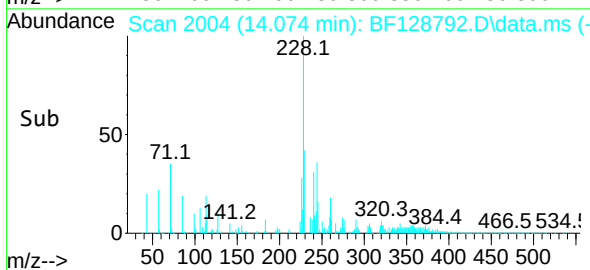
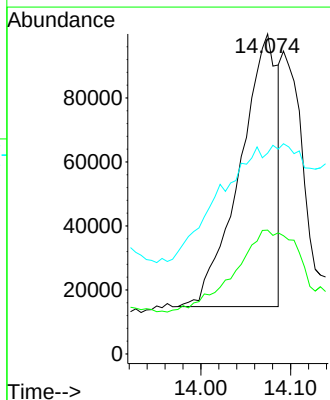
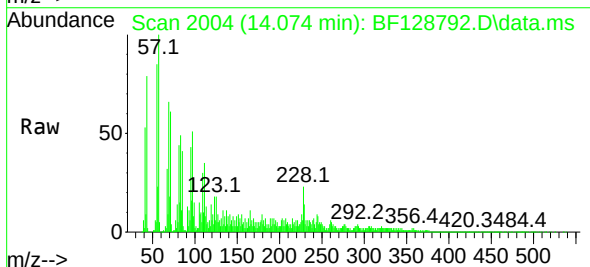
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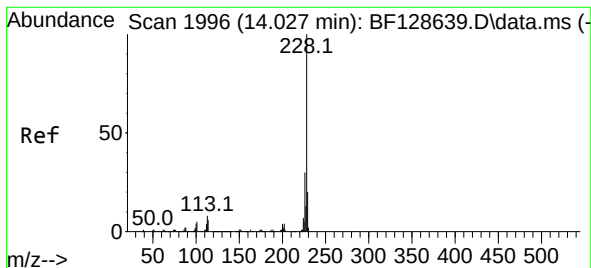
Reviewed By :Christian Giraldo 06/14/2022
 Supervised By :Jagrut Upadhyay 06/14/2022



#81
 Benzo(a)anthracene
 Concen: 47.963 ng
 RT: 14.074 min Scan# 2004
 Delta R.T. 0.100 min
 Lab File: BF128792.D
 Acq: 13 Jun 2022 19:14

Tgt Ion:228 Resp: 248559
 Ion Ratio Lower Upper
 228 100
 226 38.7 22.1 33.1#
 229 62.7 15.8 23.8#





#83

Chrysene

Concen: 32.669 ng m

RT: 14.092 min Scan# 20

Delta R.T. 0.076 min

Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-6

Tgt Ion:228 Resp: 161400

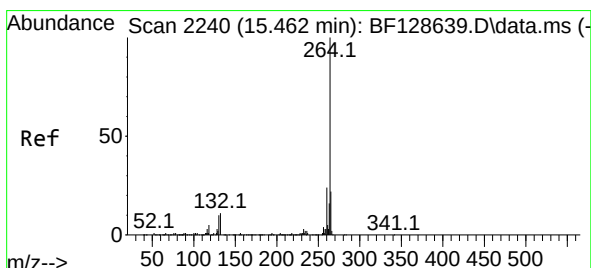
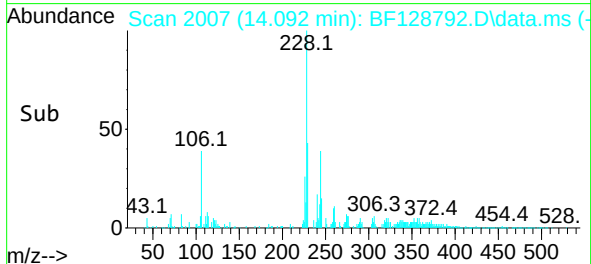
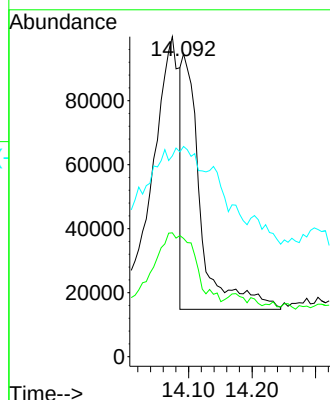
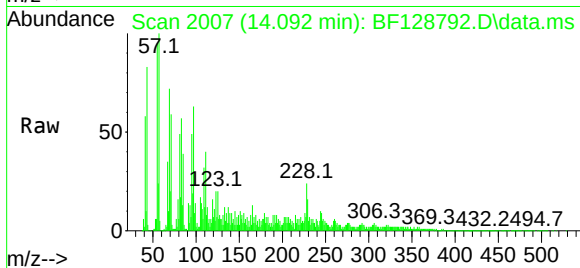
Ion	Ratio	Lower	Upper
228	100		
226	39.1	24.3	36.5
229	69.4	15.9	23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2262

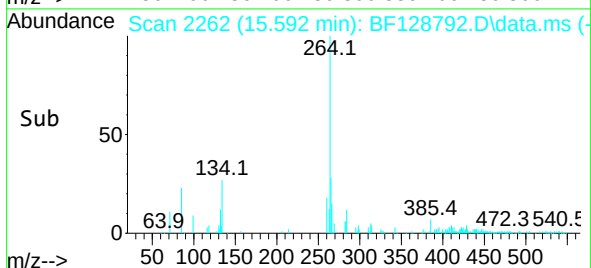
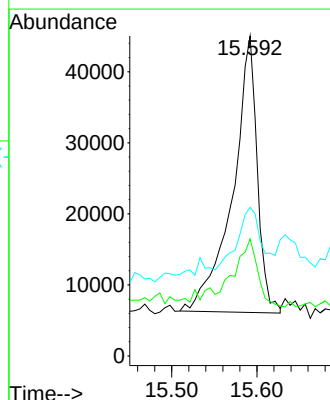
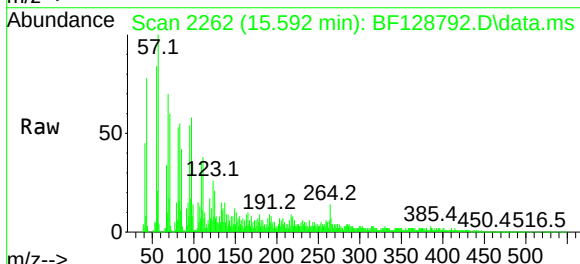
Delta R.T. 0.147 min

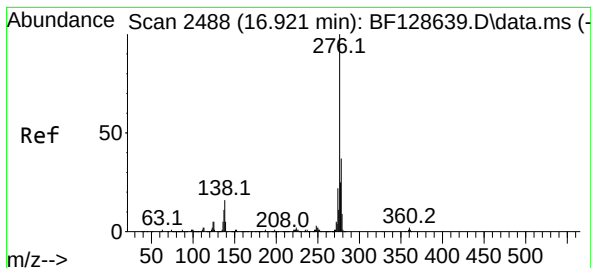
Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Tgt Ion:264 Resp: 78003

Ion	Ratio	Lower	Upper
264	100		
260	36.6	18.4	27.6
265	46.4	17.2	25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.906 ng

RT: 17.086 min Scan# 2186

Delta R.T. 0.188 min

Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-6

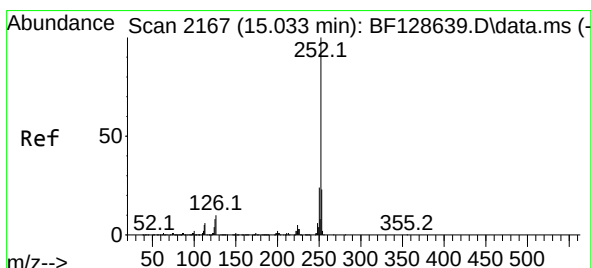
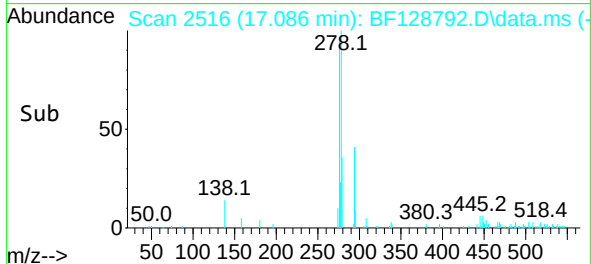
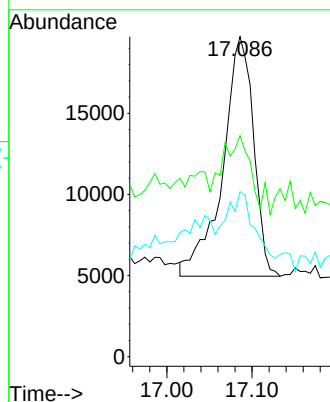
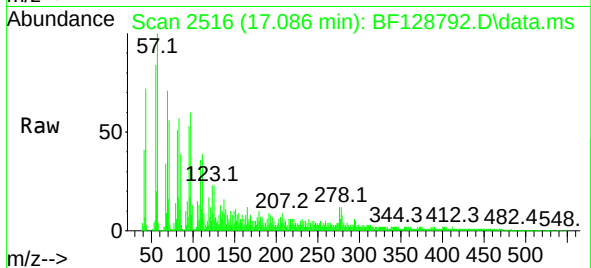
Tgt Ion:	276	Resp:	37170
Ion Ratio	Lower	Upper	
276	100		
138	26.0	21.1	31.7
277	23.5	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#88

Benzo(b)fluoranthene

Concen: 11.505 ng m

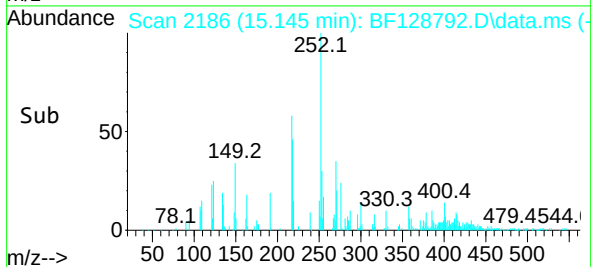
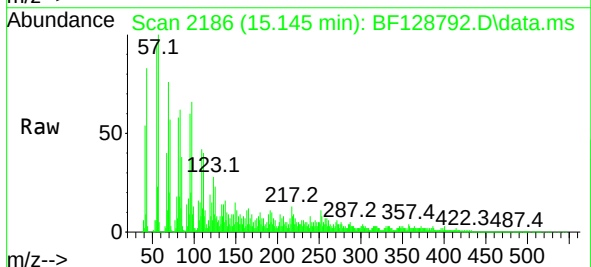
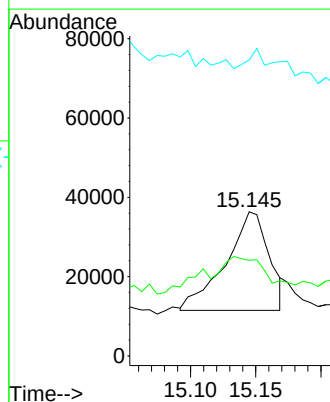
RT: 15.145 min Scan# 2186

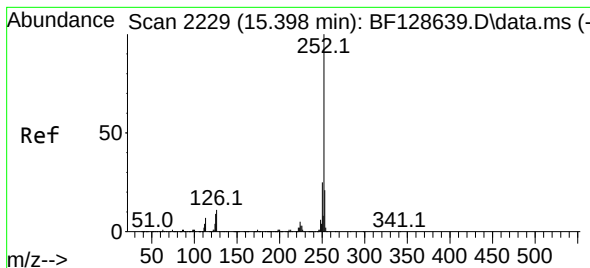
Delta R.T. 0.123 min

Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Tgt Ion:	252	Resp:	57344
Ion Ratio	Lower	Upper	
252	100		
253	66.4	17.7	26.5#
125	205.4	8.0	12.0#





#90

Benzo(a)pyrene

Concen: 18.022 ng m

RT: 15.527 min Scan# 21

Delta R.T. 0.141 min

Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Instrument :

BNA_F

ClientSampleId :

WC-14A-1A-6

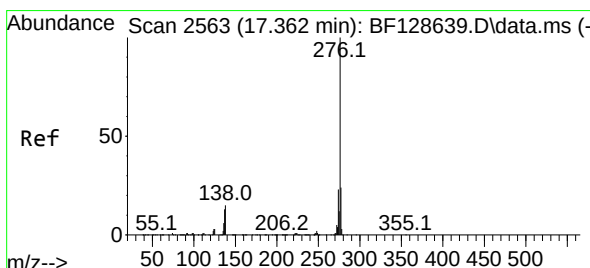
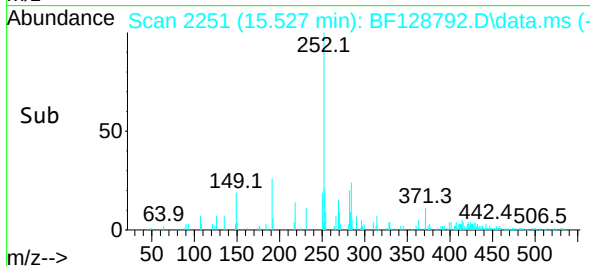
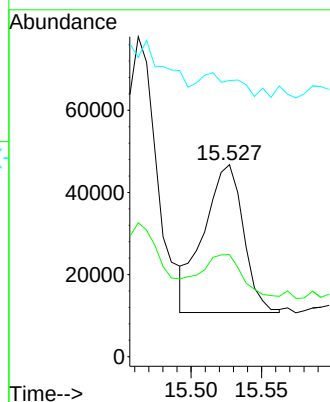
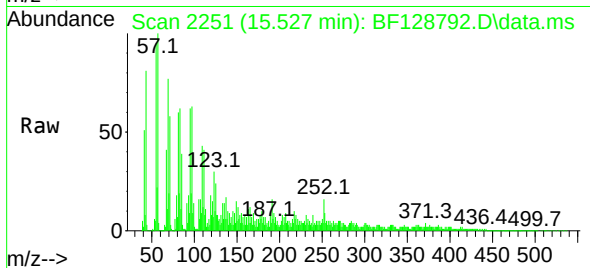
Tgt Ion:252 Resp: 70599
 Ion Ratio Lower Upper
 252 100
 253 53.2 17.0 25.6
 125 143.9 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 06/14/2022

Supervised By :Jagrut Upadhyay 06/14/2022



#92

Benzo(g,h,i)perylene

Concen: 22.040 ng

RT: 17.539 min Scan# 2593

Delta R.T. 0.200 min

Lab File: BF128792.D

Acq: 13 Jun 2022 19:14

Tgt Ion:276 Resp: 85184
 Ion Ratio Lower Upper
 276 100
 277 33.2 19.1 28.7#
 138 32.8 18.0 27.0#

