

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129580.D
 Acq On : 04 Aug 2022 20:57
 Operator : CG\JU
 Sample : N3998-08RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/05/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 05 02:09:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 02:05:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	160915	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	576175	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	247684	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	349864	20.000	ng	0.00
76) Chrysene-d12	14.033	240	281483	20.000	ng	0.00
86) Perylene-d12	15.515	264	235041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1062163	107.526	ng	0.00
7) Phenol-d6	6.504	99	1290440	103.932	ng	-0.01
23) Nitrobenzene-d5	7.422	82	802039	75.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	232319	97.560	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	1304652	81.484	ng	0.00
79) Terphenyl-d14	12.969	244	1067639	71.556	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	344974	18.063	ng	98
72) Anthracene	11.457	178	51636	2.751	ng	99
75) Fluoranthene	12.604	202	725836	37.509	ng	100
78) Pyrene	12.833	202	664259	28.220	ng	99
81) Benzo(a)anthracene	14.021	228	333403	17.339	ng	97
83) Chrysene	14.057	228	391516	21.605	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	227178	14.353	ng	95
88) Benzo(b)fluoranthene	15.086	252	519258m	33.305	ng	
89) Benzo(k)fluoranthene	15.104	252	174825m	11.442	ng	
90) Benzo(a)pyrene	15.457	252	304305	24.044	ng	96
91) Dibenzo(a,h)anthracene	17.015	278	56133	4.357	ng	# 79
92) Benzo(g,h,i)perylene	17.468	276	252140	19.154	ng	98

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

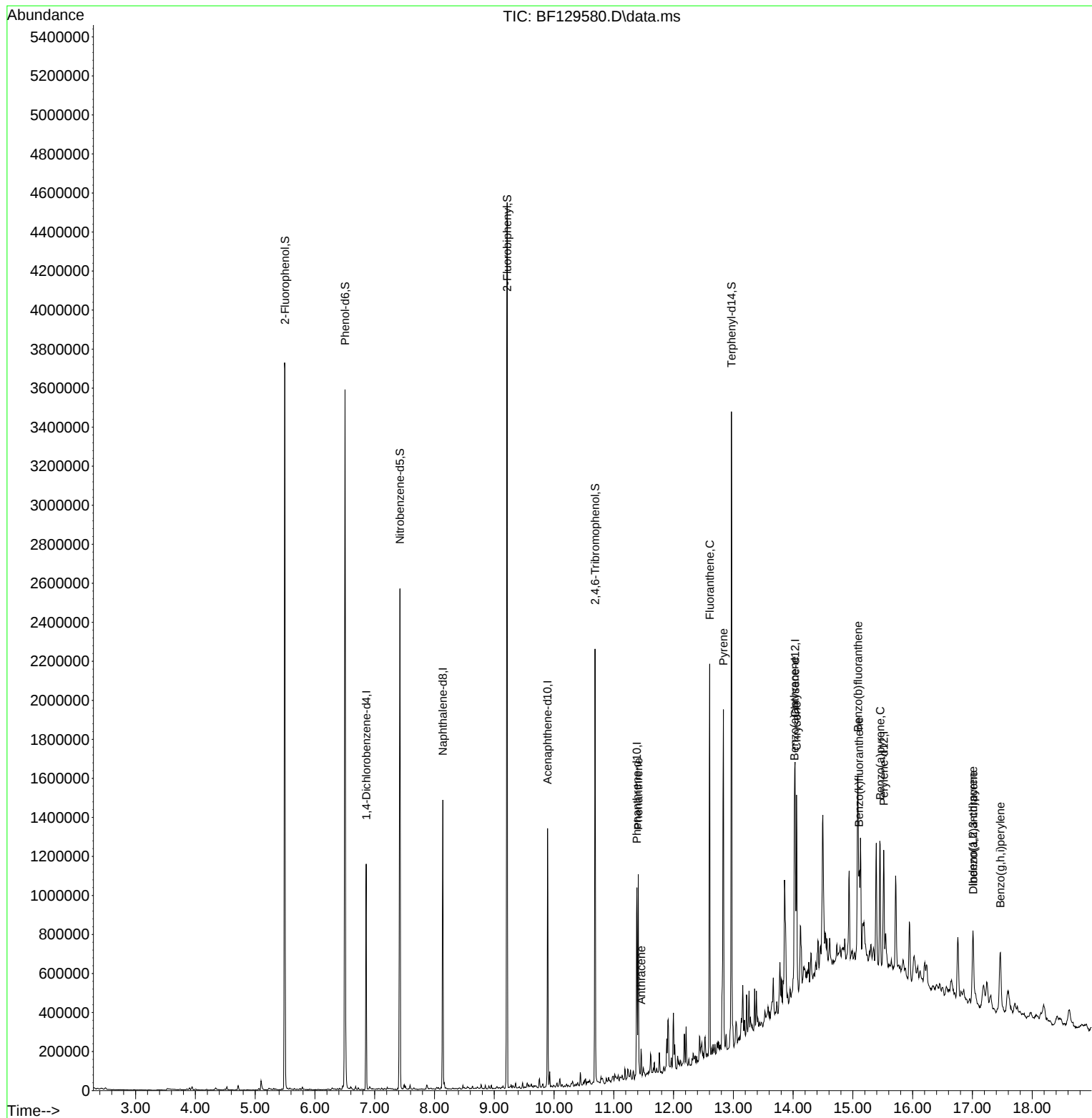
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
Data File : BF129580.D
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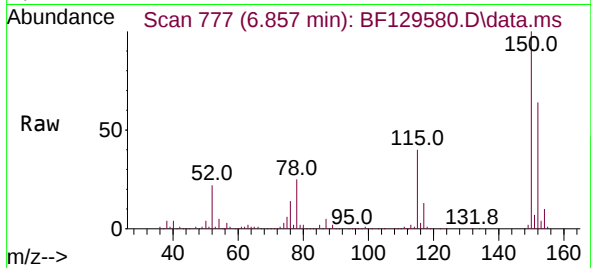
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

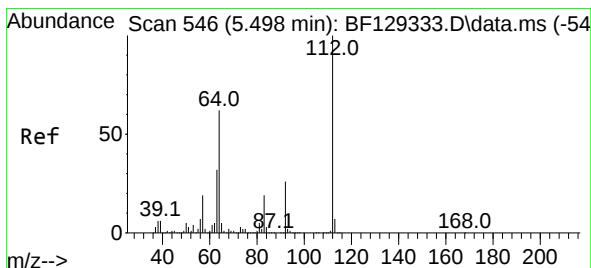
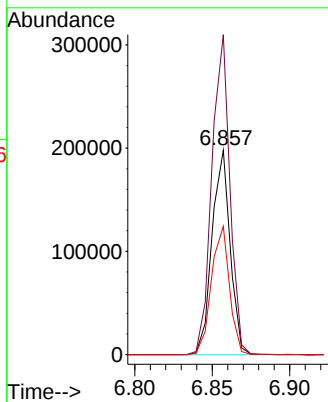
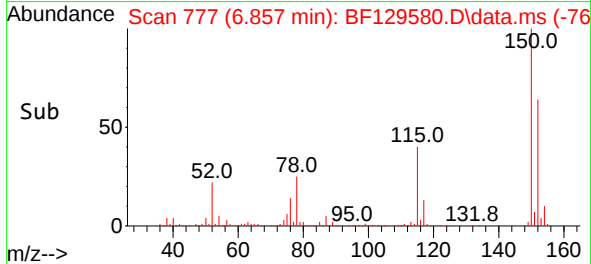
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion:152 Resp: 160915
Ion Ratio Lower Upper
152 100
150 156.6 123.7 185.5
115 62.8 49.9 74.9

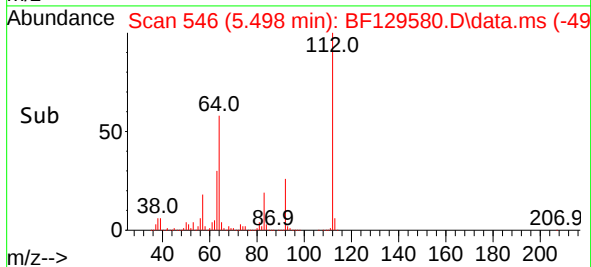
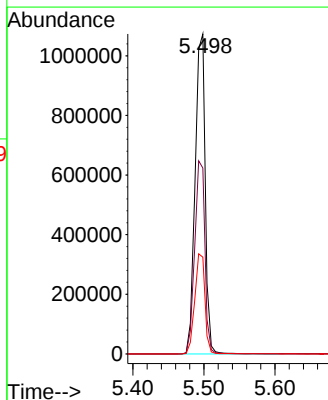
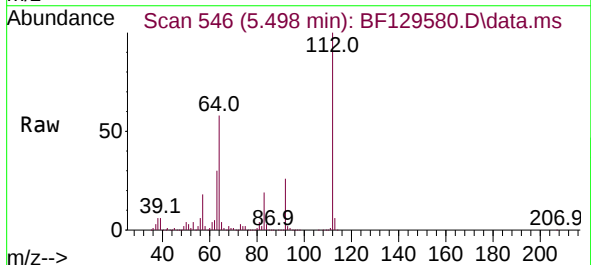
Manual Integrations
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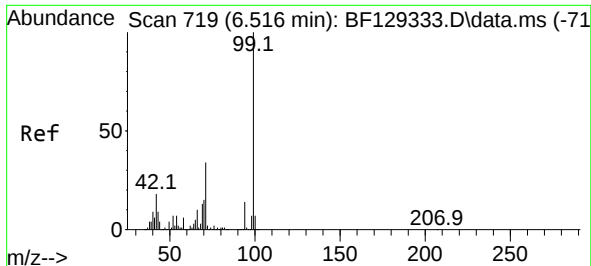
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 107.526 ng
RT: 5.498 min Scan# 546
Delta R.T. 0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

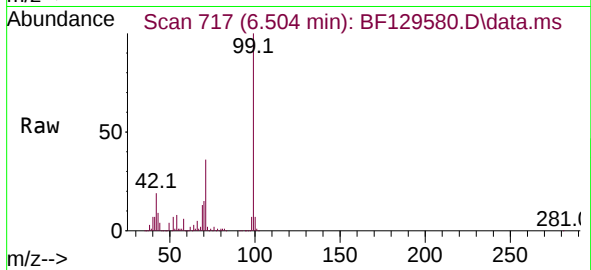
Tgt Ion:112 Resp: 1062163
Ion Ratio Lower Upper
112 100
64 58.1 53.3 79.9
63 30.2 28.0 42.0





#7
Phenol-d6
Concen: 103.932 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

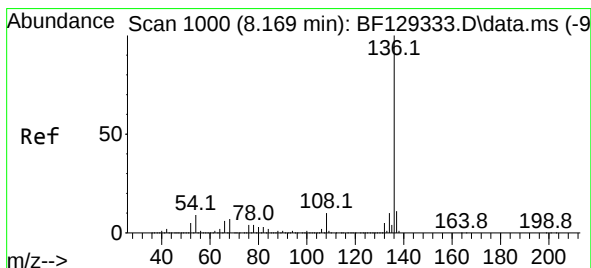
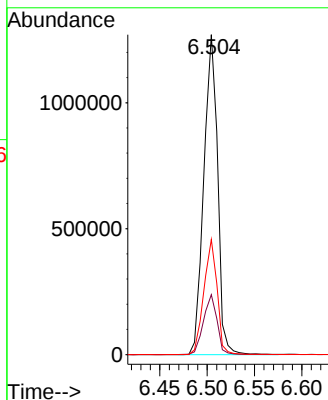
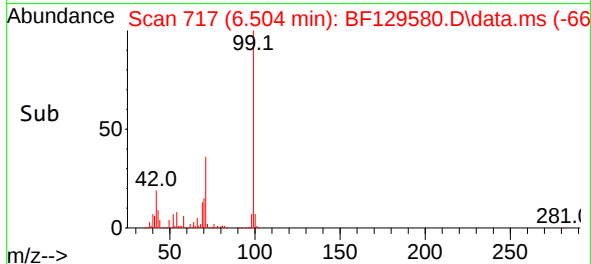
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion: 99 Resp: 1290440
Ion Ratio Lower Upper
99 100
42 18.7 17.3 25.9
71 36.0 28.9 43.3

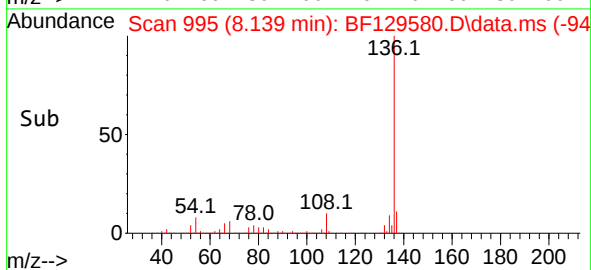
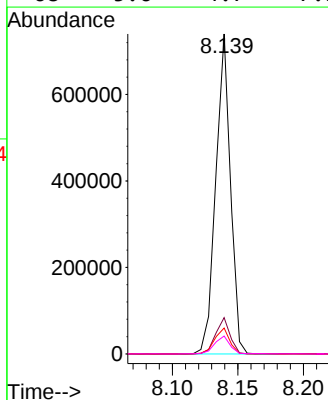
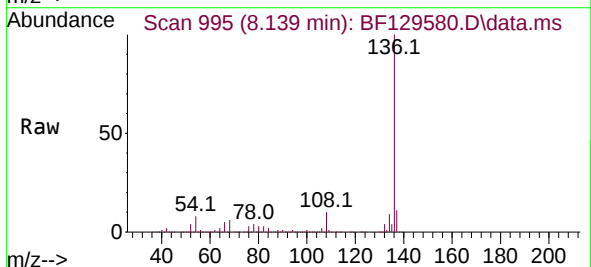
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

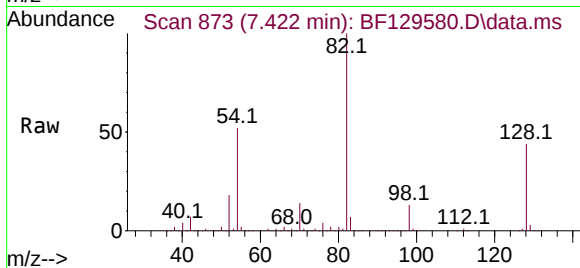
Tgt Ion:136 Resp: 576175
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.1 7.5 11.3
68 5.6 4.7 7.1





#23
Nitrobenzene-d5
Concen: 75.988 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

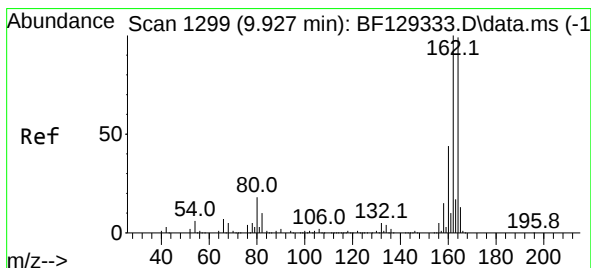
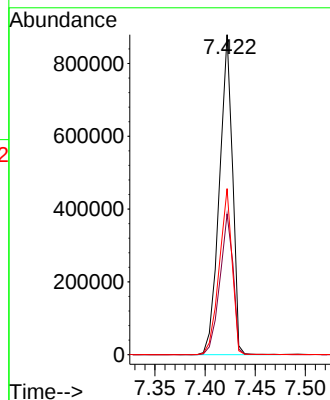
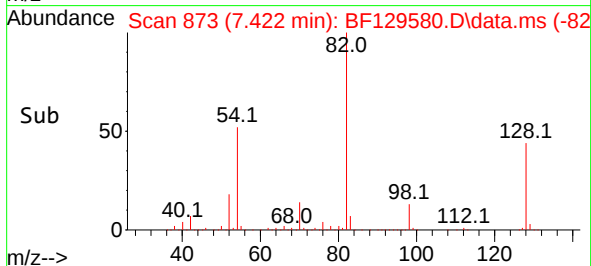
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion: 82 Resp: 802039
Ion Ratio Lower Upper
82 100
128 44.0 34.0 51.0
54 51.9 46.9 70.3

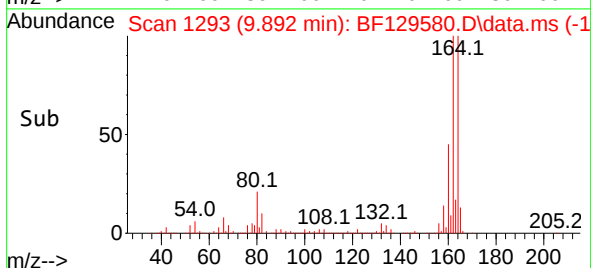
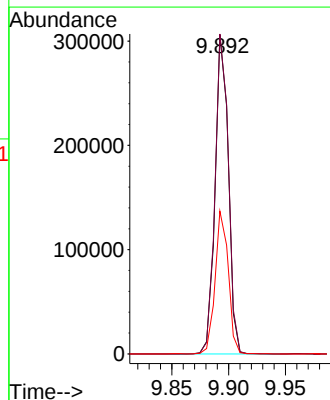
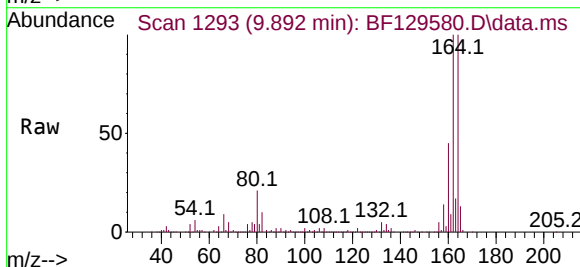
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

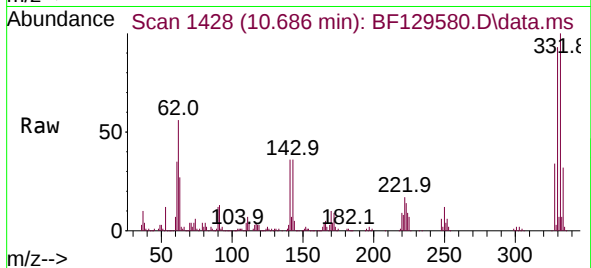
Tgt Ion:164 Resp: 247684
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 44.8 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 97.560 ng
RT: 10.686 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

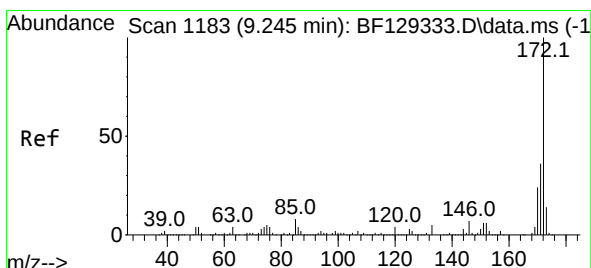
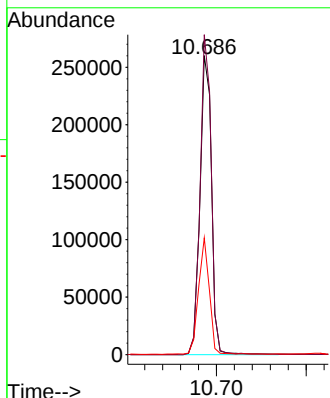
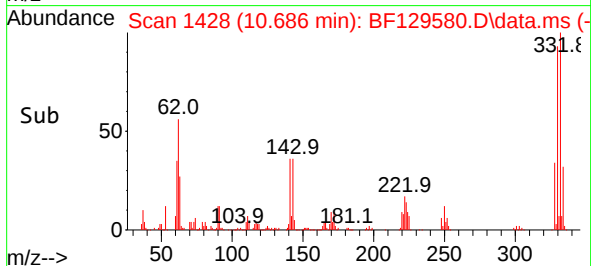
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion: 330 Resp: 232319
Ion Ratio Lower Upper
330 100
332 103.1 76.8 115.2
141 36.8 28.0 42.0

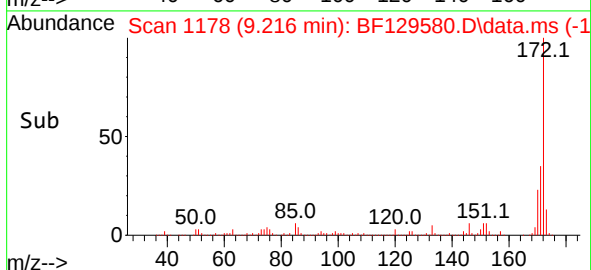
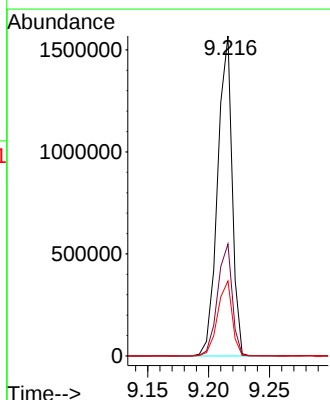
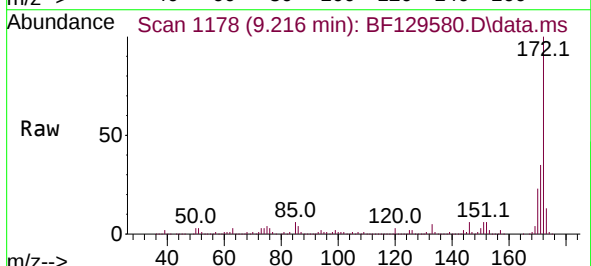
Manual Integrations
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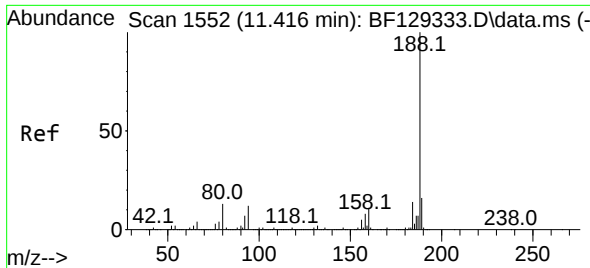
Reviewed By : Christian Giraldo 08/05/2022
Supervised By : Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 81.484 ng
RT: 9.216 min Scan# 1178
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

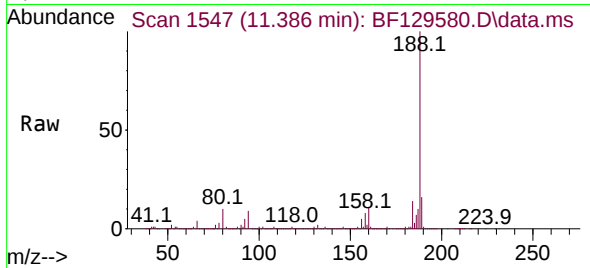
Tgt Ion: 172 Resp: 1304652
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.4 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

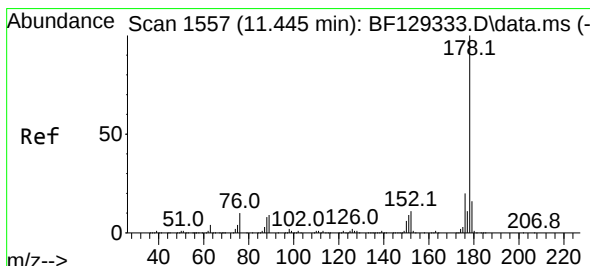
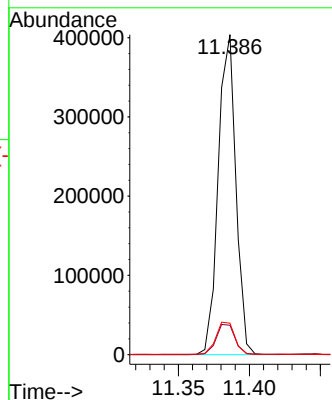
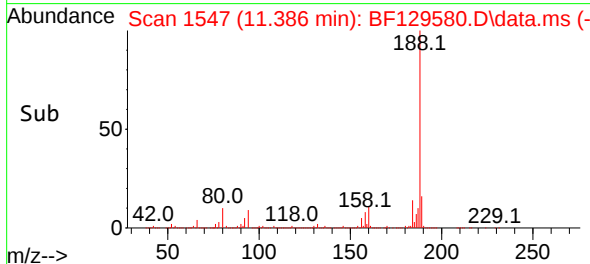
Instrument :
BNA_F
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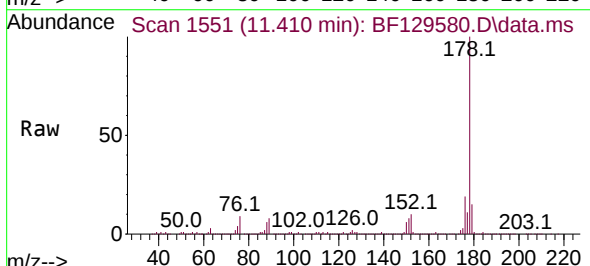
Tgt Ion:188 Resp: 349864
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.8 7.6 11.4

Manual Integrations
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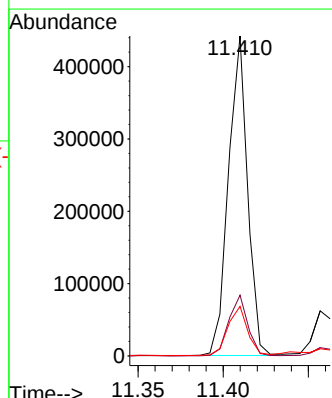
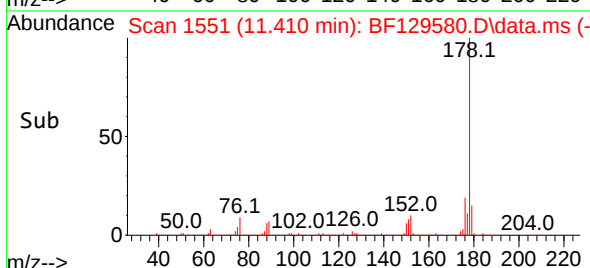
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Supervised By :Jagrut Upadhyay 08/05/2022

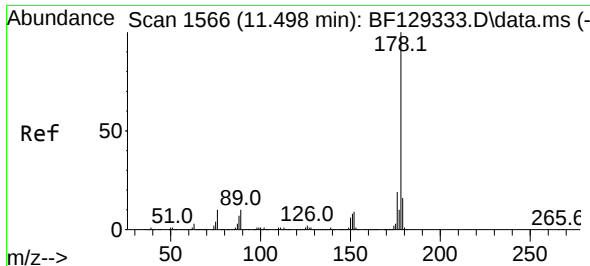


#71
Phenanthrene
Concen: 18.063 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57



Tgt Ion:178 Resp: 344974
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.5 12.6 19.0





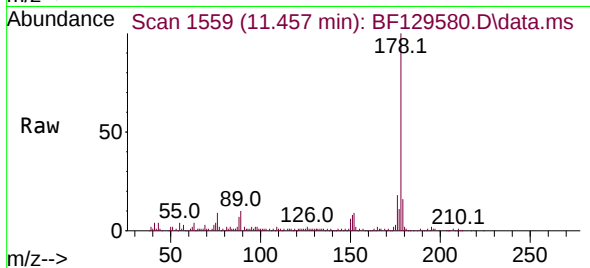
#72
 Anthracene
 Concen: 2.751 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129580.D
 Acq: 04 Aug 2022 20:57

Instrument :

BNA_F

ClientSampleId :

SS-1RE

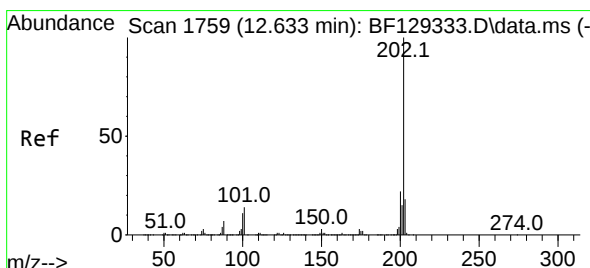
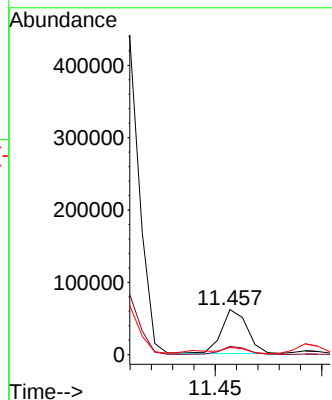
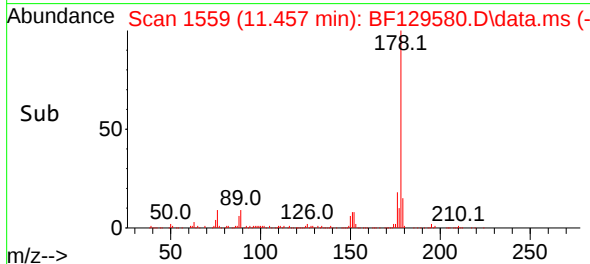


Tgt Ion:178 Resp: 51636
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 15.8 12.6 19.0

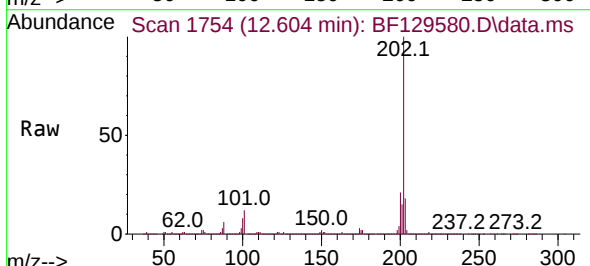
Manual Integrations

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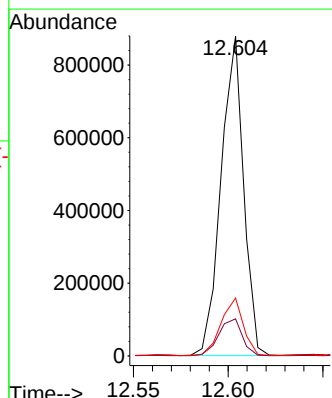
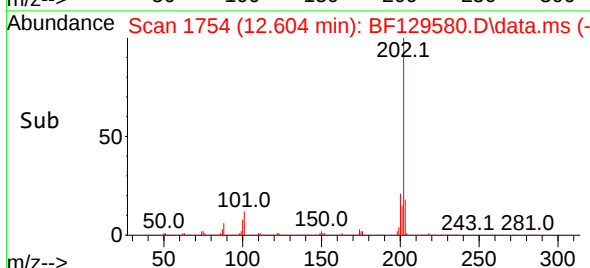
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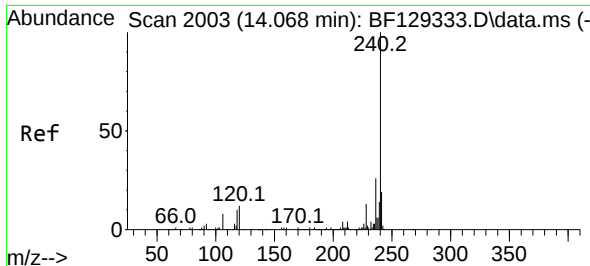


#75
 Fluoranthene
 Concen: 37.509 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. -0.006 min
 Lab File: BF129580.D
 Acq: 04 Aug 2022 20:57



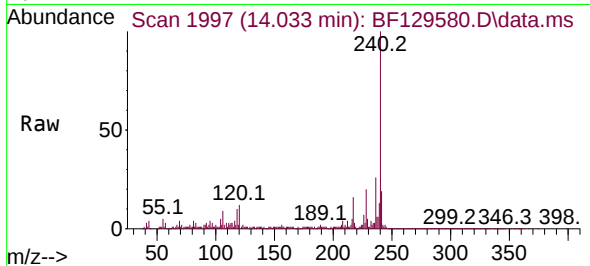
Tgt Ion:202 Resp: 725836
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.4
 203 18.1 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

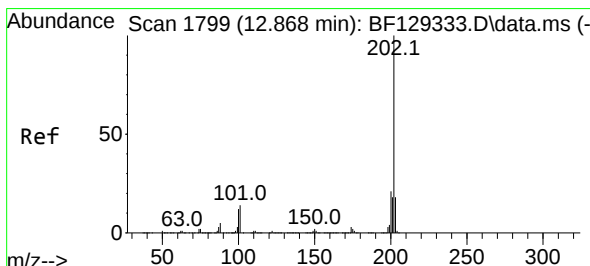
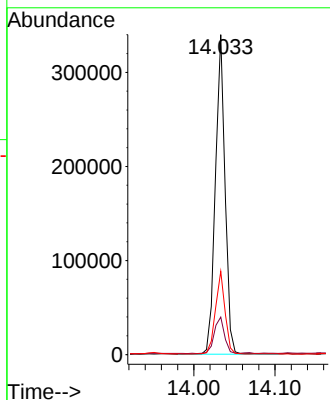
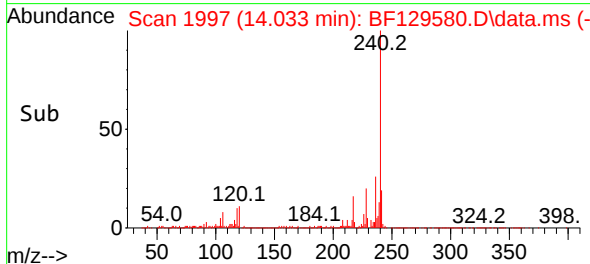
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion:240 Resp: 281483
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 26.0 20.8 31.2

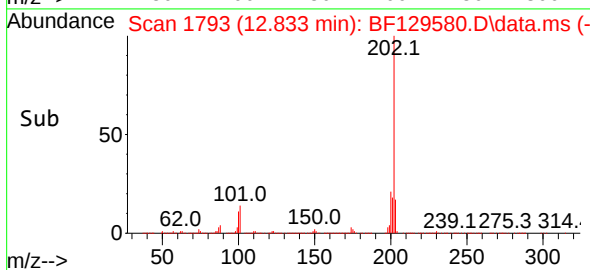
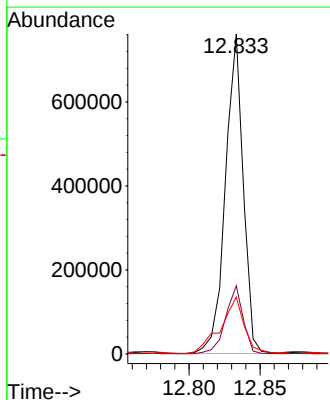
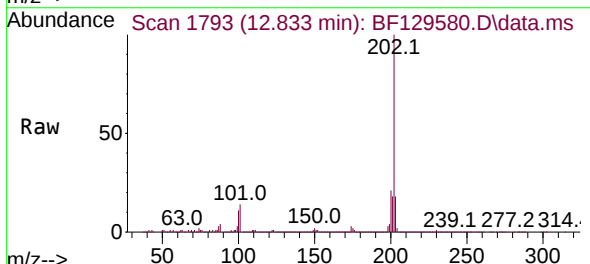
Manual Integrations
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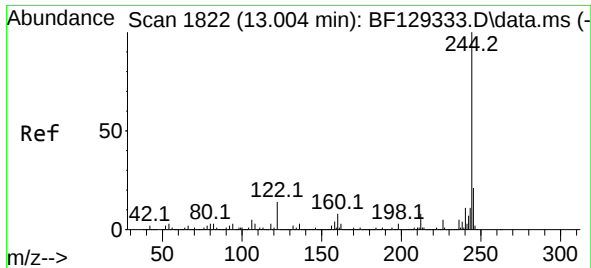
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#78
Pyrene
Concen: 28.220 ng
RT: 12.833 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

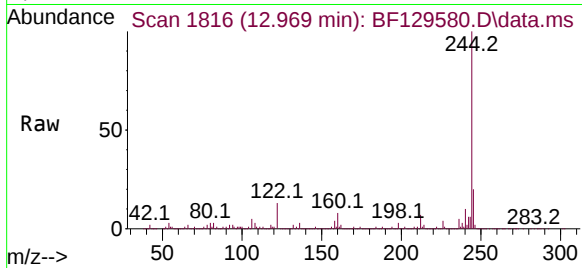
Tgt Ion:202 Resp: 664259
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 71.556 ng
 RT: 12.969 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF129580.D
 Acq: 04 Aug 2022 20:57

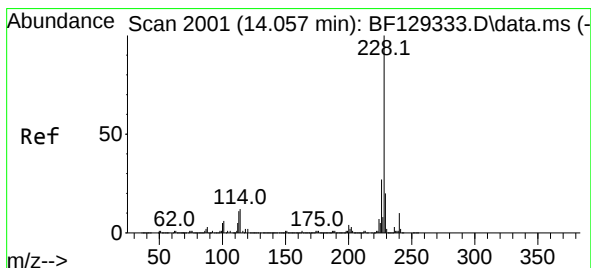
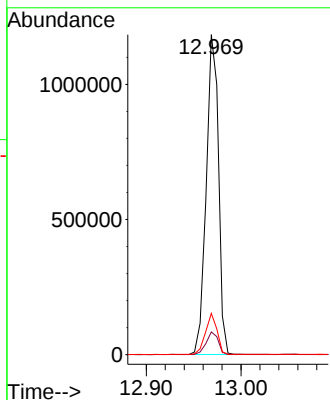
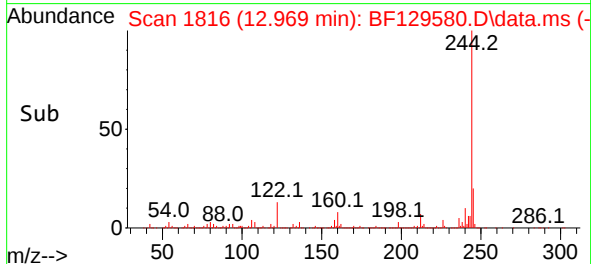
Instrument :
 BNA_F
 ClientSampleId :
 SS-1RE



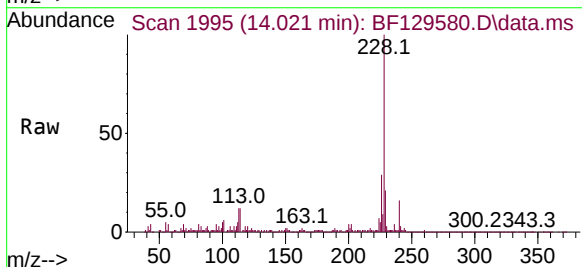
Tgt Ion:244 Resp: 1067639
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.9 8.8 13.2

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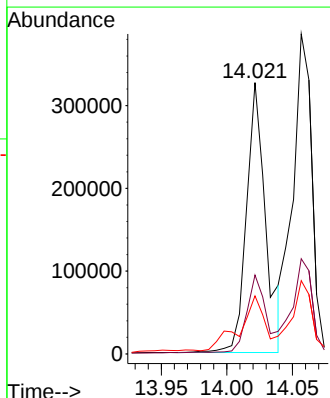
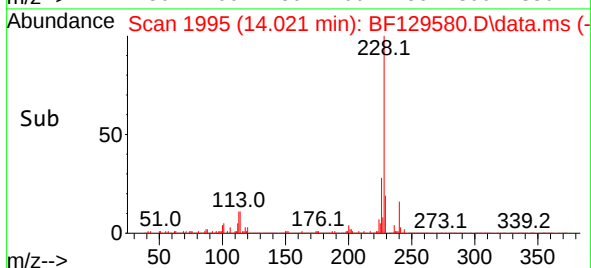
Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022

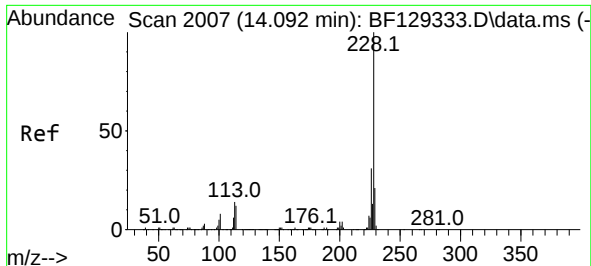


#81
 Benzo(a)anthracene
 Concen: 17.339 ng
 RT: 14.021 min Scan# 1995
 Delta R.T. -0.006 min
 Lab File: BF129580.D
 Acq: 04 Aug 2022 20:57



Tgt Ion:228 Resp: 333403
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.1 33.1
 229 21.4 15.8 23.8





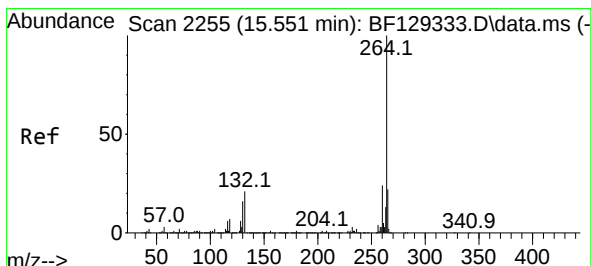
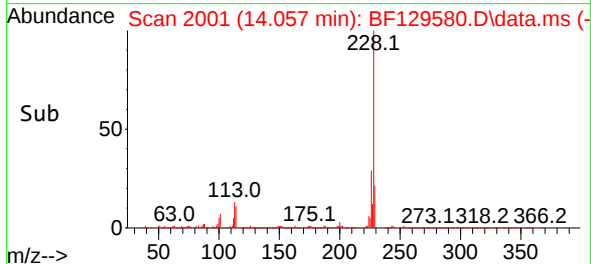
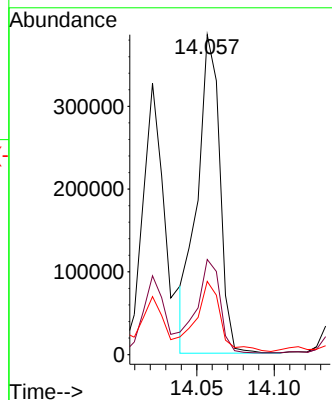
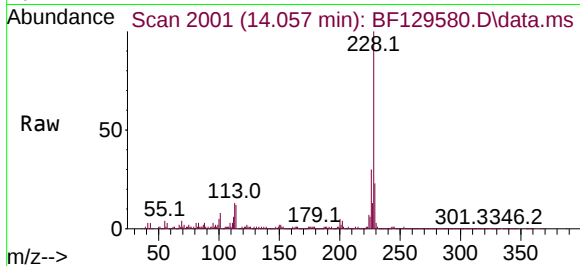
#83
Chrysene
Concen: 21.605 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

Instrument :
BNA_F
Client Sample Id :
SS-1RE

Tgt Ion:228 Resp: 391516
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 22.9 15.9 23.9

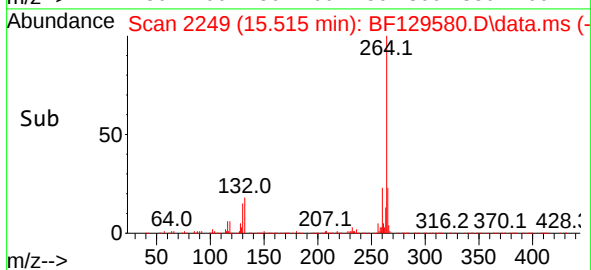
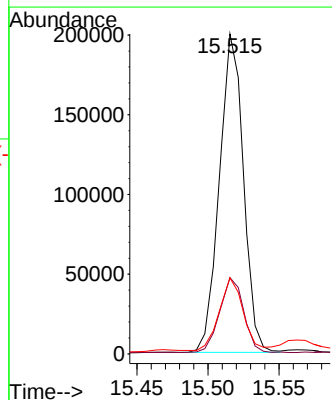
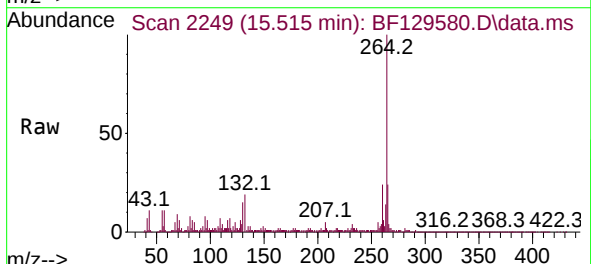
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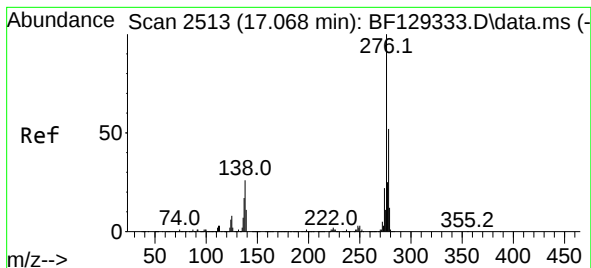
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2249
Delta R.T. 0.000 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

Tgt Ion:264 Resp: 235041
Ion Ratio Lower Upper
264 100
260 23.8 18.4 27.6
265 23.8 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.353 ng

RT: 17.009 min Scan# 2176

Delta R.T. -0.012 min

Lab File: BF129580.D

Acq: 04 Aug 2022 20:57

Instrument :

BNA_F

ClientSampleId :

SS-1RE

Tgt Ion:276 Resp: 227178

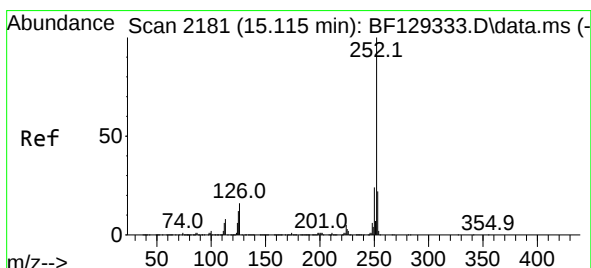
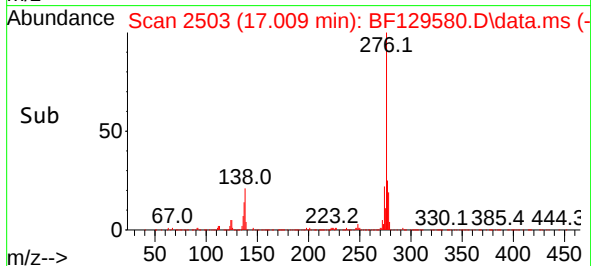
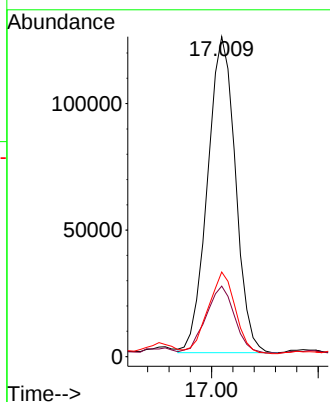
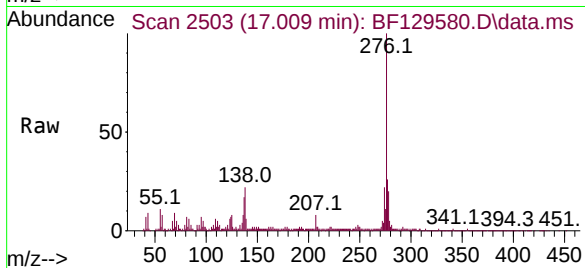
Ion	Ratio	Lower	Upper
276	100		
138	21.6	21.1	31.7
277	25.2	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#88

Benzo(b)fluoranthene

Concen: 33.305 ng m

RT: 15.086 min Scan# 2176

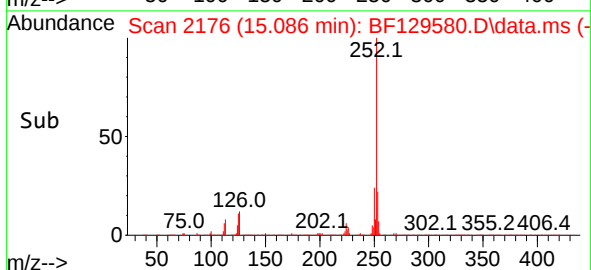
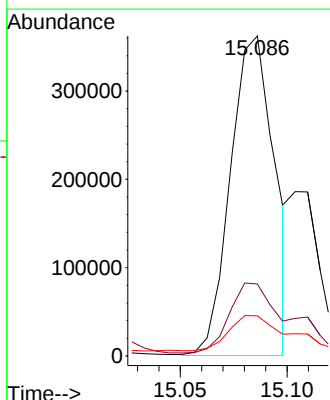
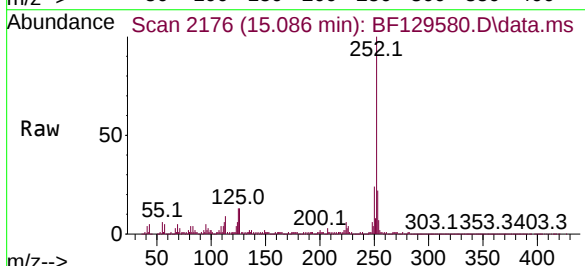
Delta R.T. 0.000 min

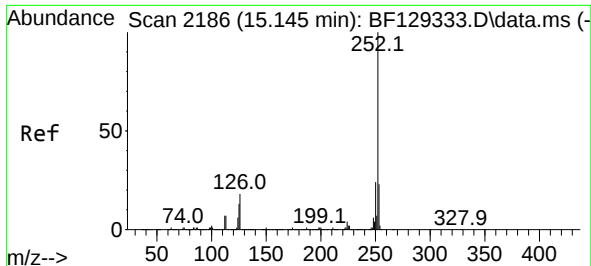
Lab File: BF129580.D

Acq: 04 Aug 2022 20:57

Tgt Ion:252 Resp: 519258

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	12.5	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 11.442 ng m

RT: 15.104 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129580.D

Acq: 04 Aug 2022 20:57

Instrument :

BNA_F

ClientSampleId :

SS-1RE

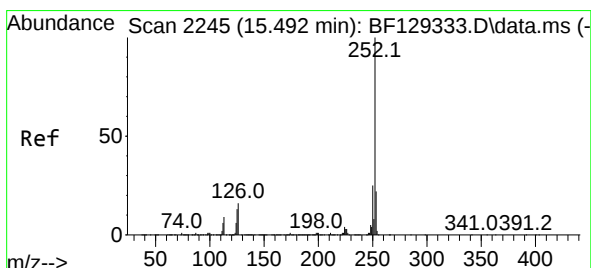
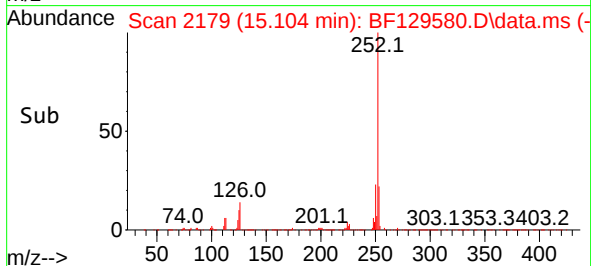
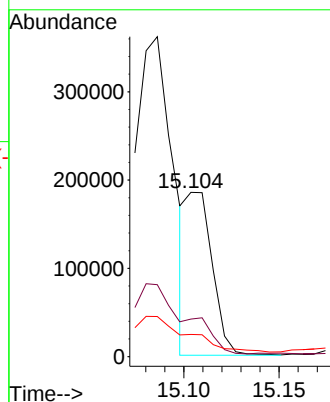
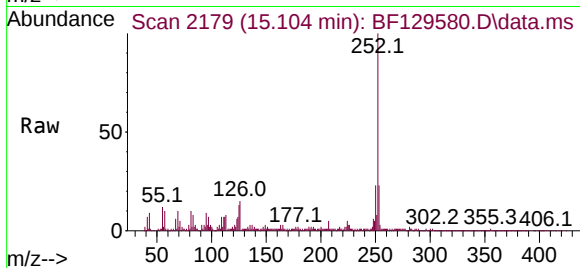
Tgt Ion:252 Resp: 174825
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.6
 125 13.4 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 24.044 ng

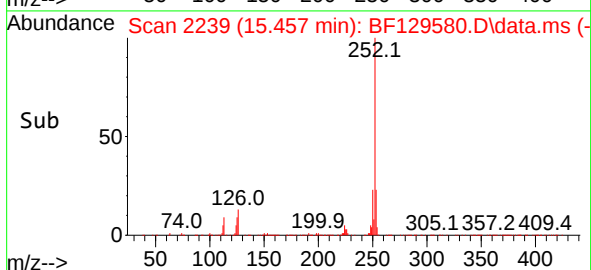
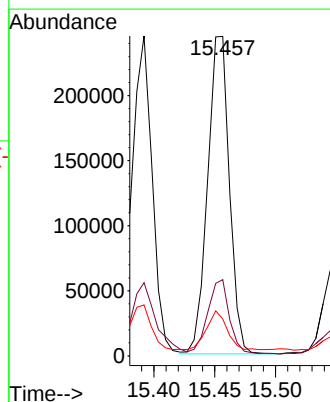
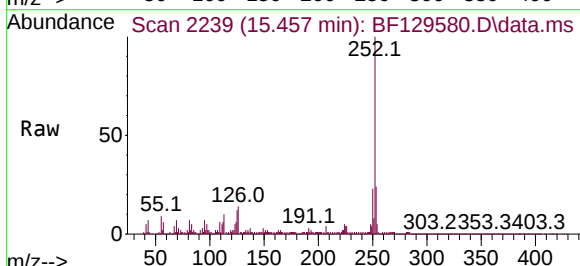
RT: 15.457 min Scan# 2239

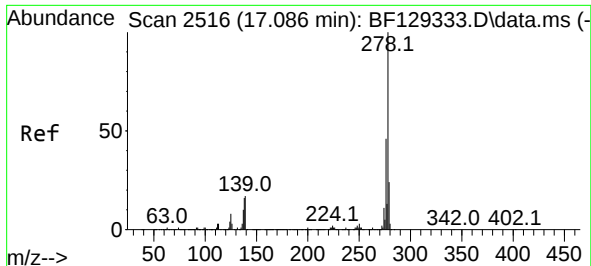
Delta R.T. 0.000 min

Lab File: BF129580.D

Acq: 04 Aug 2022 20:57

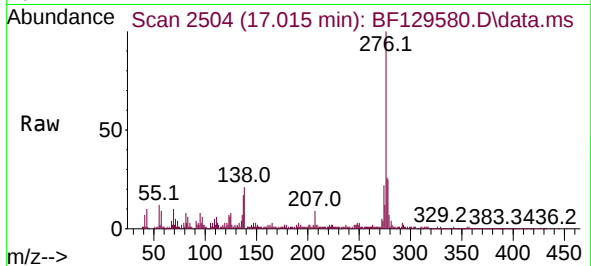
Tgt Ion:252 Resp: 304305
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.0 25.6
 125 11.5 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 4.357 ng
RT: 17.015 min Scan# 2504
Delta R.T. -0.018 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

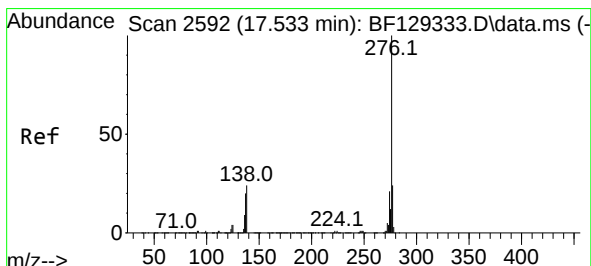
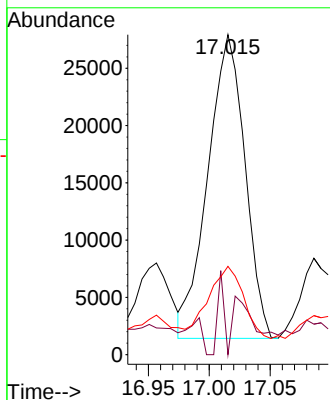
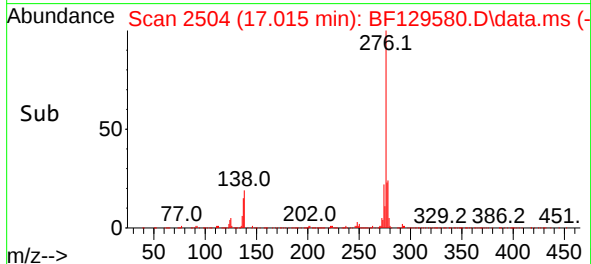
Instrument :
BNA_F
ClientSampleId :
SS-1RE



Tgt Ion:278 Resp: 56133
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2
279 27.6 18.6 28.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 19.154 ng
RT: 17.468 min Scan# 2581
Delta R.T. -0.012 min
Lab File: BF129580.D
Acq: 04 Aug 2022 20:57

Tgt Ion:276 Resp: 252140
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 20.8 18.0 27.0

