

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129426.D
 Acq On : 29 Jul 2022 00:42
 Operator : CG\JU
 Sample : N3893-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-13

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/29/2022
 Supervised By : Jagrut Upadhyay 07/29/2022

Quant Time: Jul 29 02:10:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	204792	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	770943	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	356276	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	481303	20.000	ng	0.00
76) Chrysene-d12	14.063	240	384530	20.000	ng	0.00
86) Perylene-d12	15.557	264	327643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1303913	103.719	ng	0.02
7) Phenol-d6	6.528	99	1667582	105.531	ng	0.01
23) Nitrobenzene-d5	7.451	82	1025719	72.629	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	323592	94.470	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1745274	75.780	ng	0.00
79) Terphenyl-d14	13.004	244	1393437	68.365	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.786	152	93859	2.939	ng	97
71) Phenanthrene	11.439	178	247882	9.435	ng	97
75) Fluoranthene	12.633	202	313028	11.759	ng	99
78) Pyrene	12.863	202	560865	17.442	ng	99
81) Benzo(a)anthracene	14.051	228	232964m	8.869	ng	
83) Chrysene	14.086	228	252321	10.192	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	67035	3.038	ng	93
88) Benzo(b)fluoranthene	15.116	252	177320m	8.159	ng	
89) Benzo(k)fluoranthene	15.133	252	49754m	2.336	ng	
90) Benzo(a)pyrene	15.492	252	141129	7.999	ng	96
92) Benzo(g,h,i)perylene	17.533	276	90465	4.930	ng	94

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

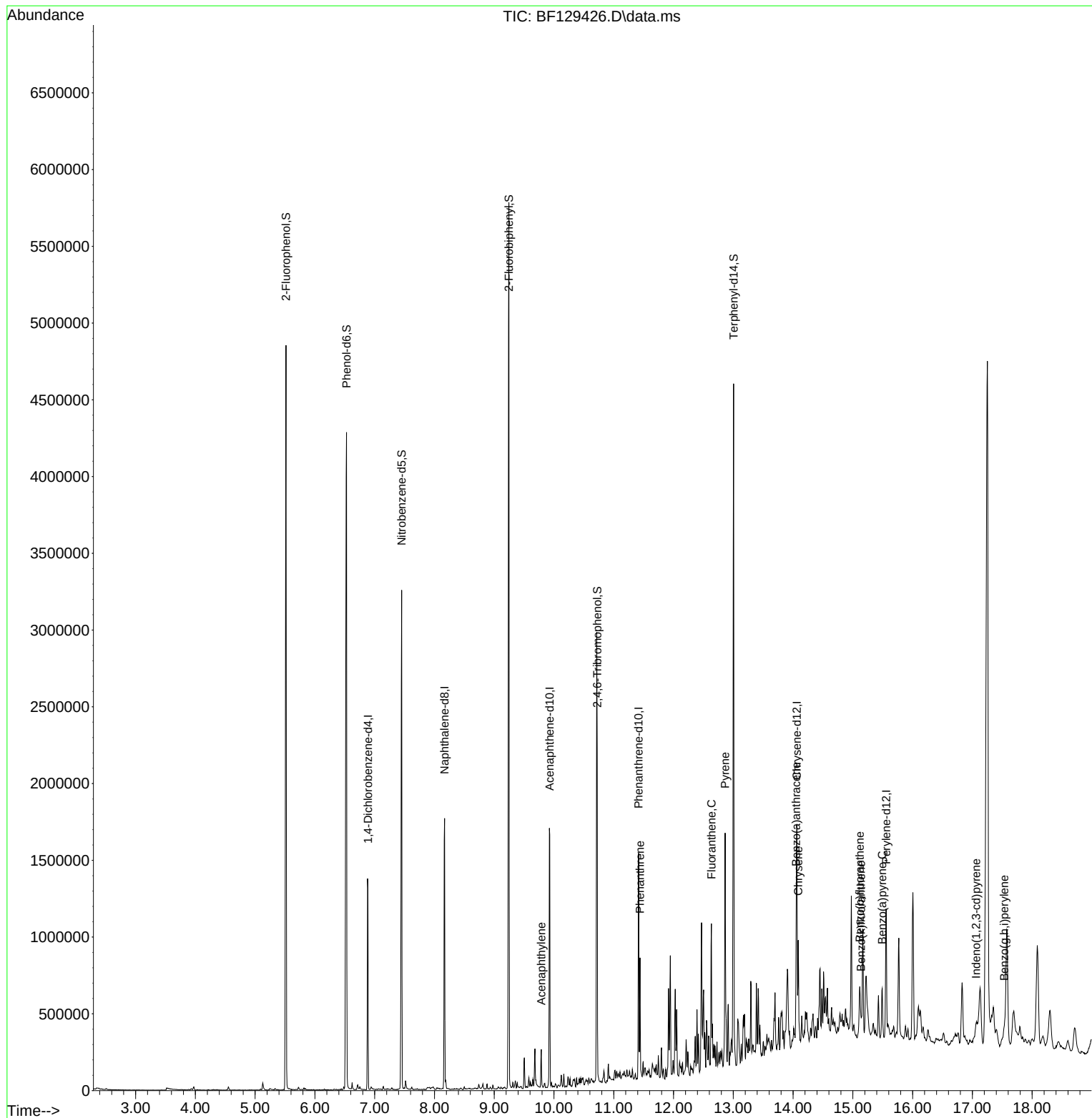
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
Data File : BF129426.D
Acq On : 29 Jul 2022 00:42
Operator : CG\JU
Sample : N3893-13
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ALS Vial : 18 Sample Multiplier: 1

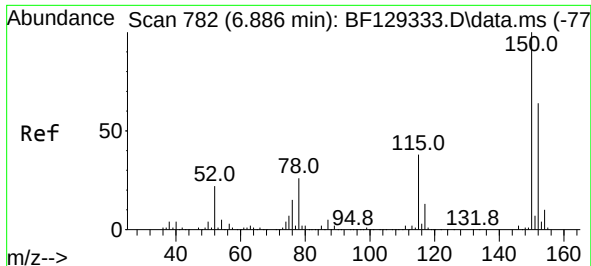
Instrument :
BNA_F
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Quant Time: Jul 29 02:10:39 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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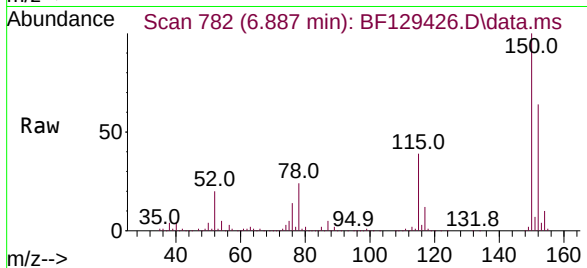
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 782
 Delta R.T. 0.001 min
 Lab File: BF129426.D
 Acq: 29 Jul 2022 00:42

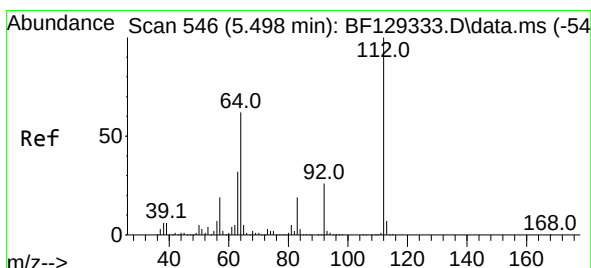
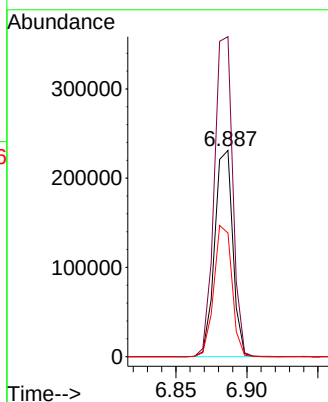
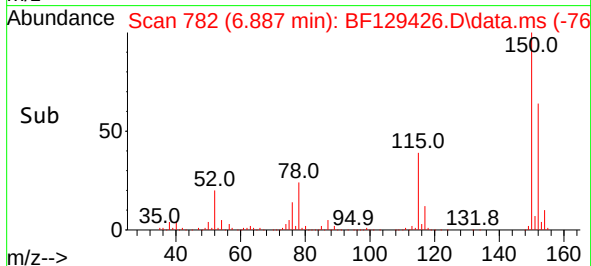
Instrument :
 BNA_F
 ClientSampleId :
 RVE-13



Tgt Ion:152 Resp: 204792
 Ion Ratio Lower Upper
 152 100
 150 155.2 123.7 185.5
 115 60.0 49.9 74.9

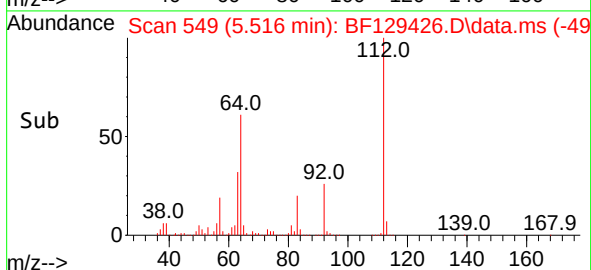
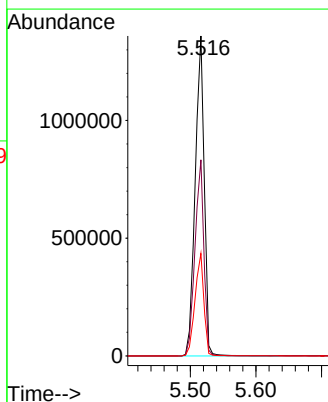
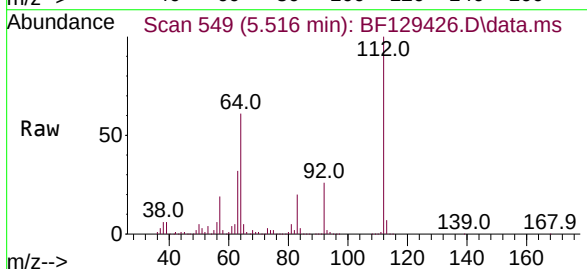
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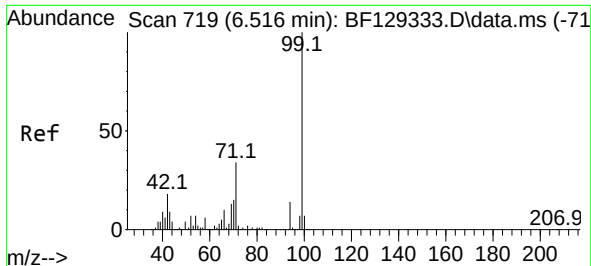
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#5
 2-Fluorophenol
 Concen: 103.719 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.018 min
 Lab File: BF129426.D
 Acq: 29 Jul 2022 00:42

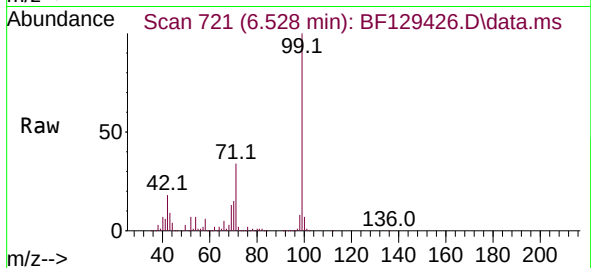
Tgt Ion:112 Resp: 1303913
 Ion Ratio Lower Upper
 112 100
 64 61.3 53.3 79.9
 63 32.0 28.0 42.0





#7
Phenol-d6
Concen: 105.531 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

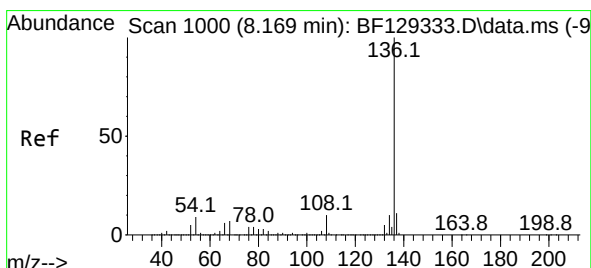
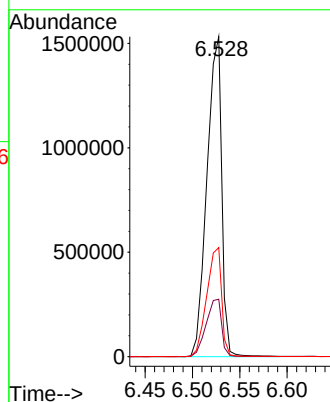
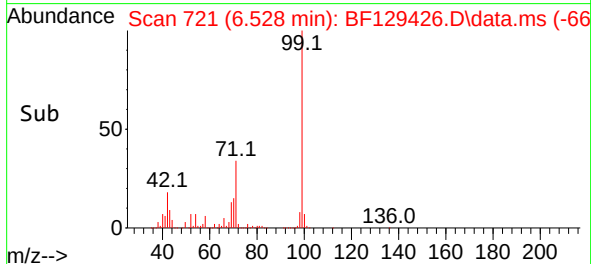
Instrument :
BNA_F
ClientSampleId :
RVE-13



Tgt Ion: 99 Resp: 1667582
Ion Ratio Lower Upper
99 100
42 17.9 17.3 25.9
71 34.1 28.9 43.3

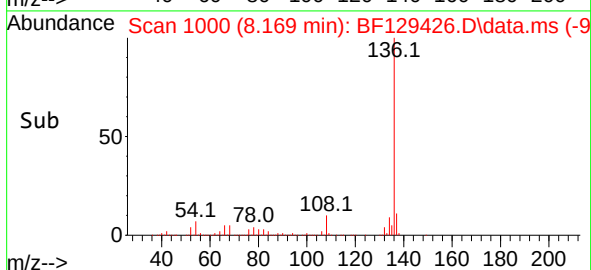
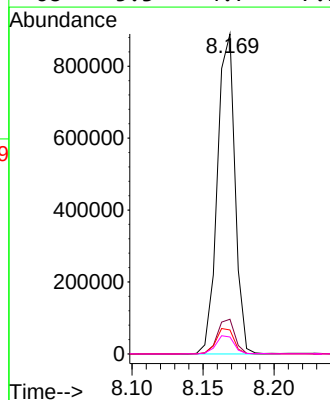
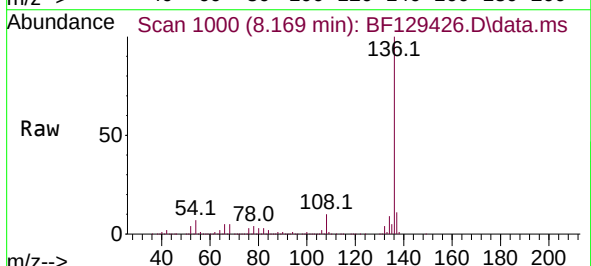
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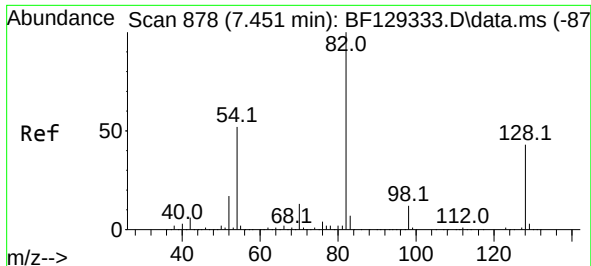
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

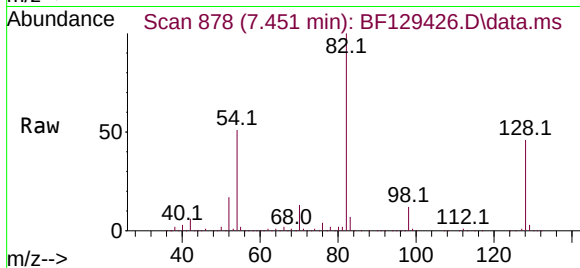
Tgt Ion:136 Resp: 770943
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 7.5 11.3#
68 5.3 4.7 7.1





#23
Nitrobenzene-d5
Concen: 72.629 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

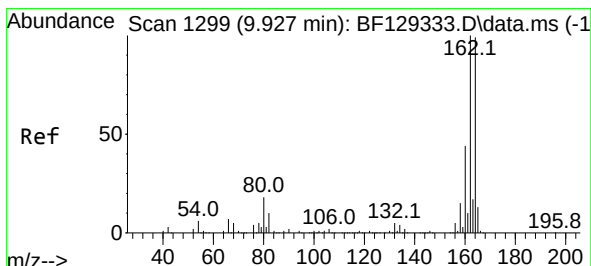
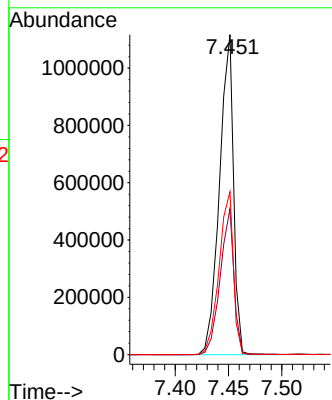
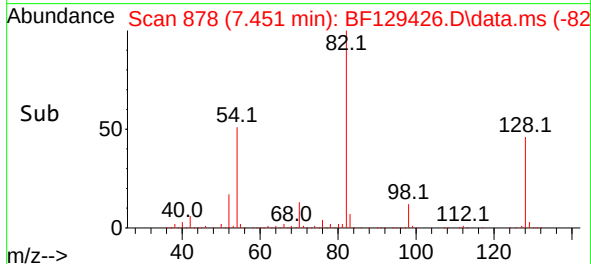
Instrument :
BNA_F
ClientSampleId :
RVE-13



Tgt Ion: 82 Resp: 1025719
Ion Ratio Lower Upper
82 100
128 45.6 34.0 51.0
54 50.9 46.9 70.3

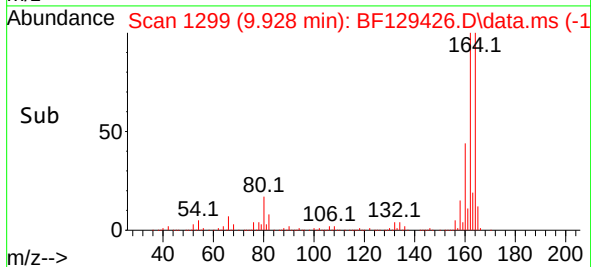
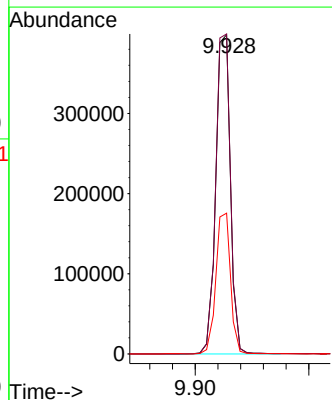
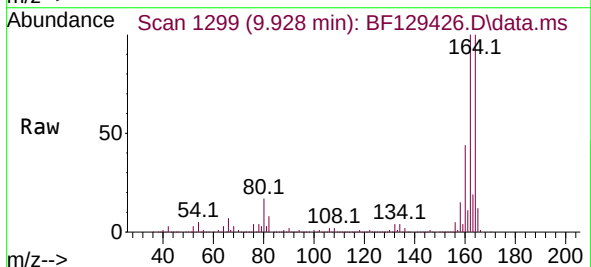
Manual Integrations
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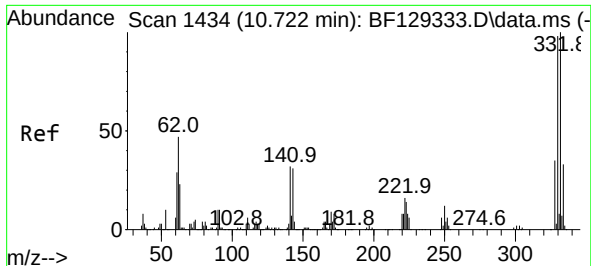
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

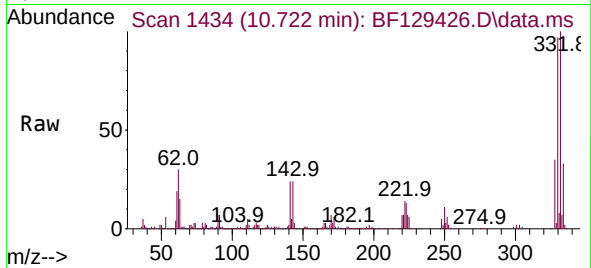
Tgt Ion:164 Resp: 356276
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 44.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 94.470 ng
RT: 10.722 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

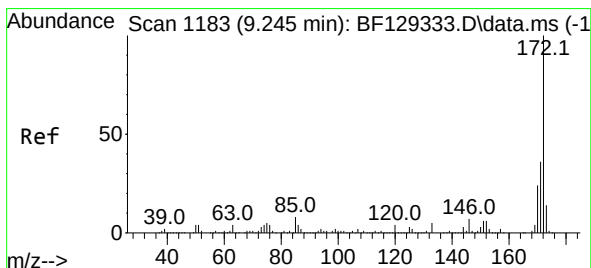
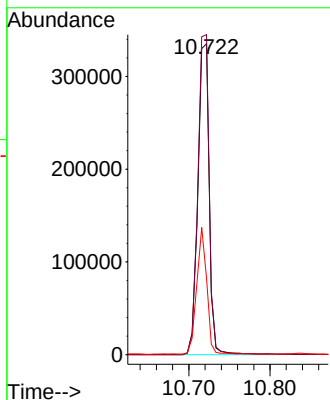
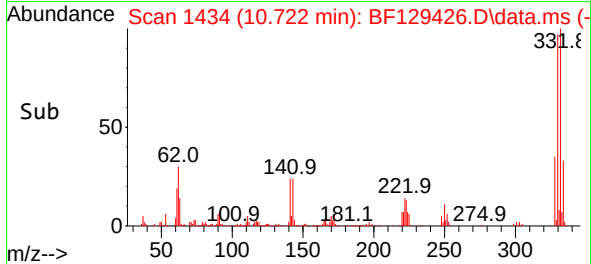
Instrument :
BNA_F
ClientSampleId :
RVE-13



Tgt Ion: 330 Resp: 323592
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 35.9 28.0 42.0

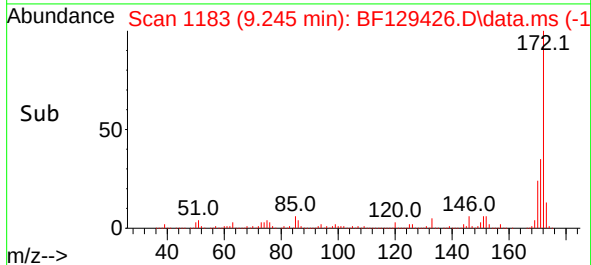
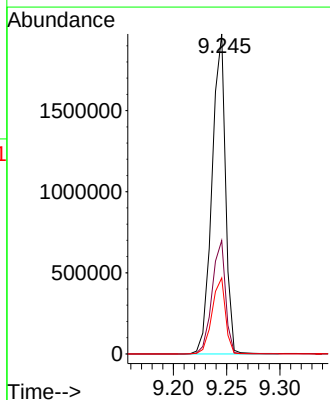
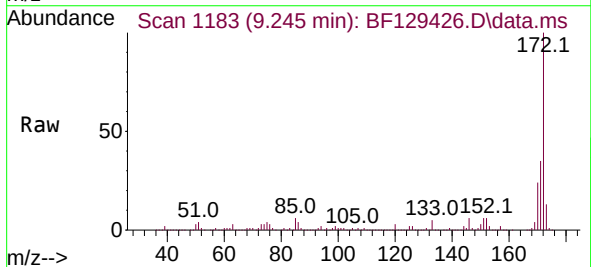
Manual Integrations
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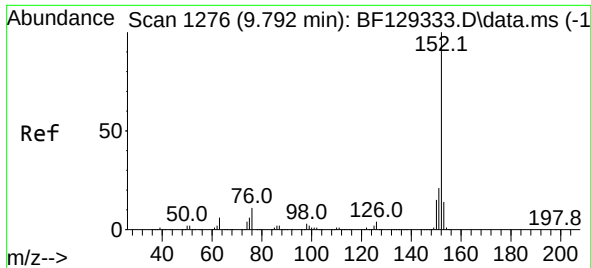
Reviewed By : Christian Giraldo 07/29/2022
Supervised By : Jagrut Upadhyay 07/29/2022



#45
2-Fluorobiphenyl
Concen: 75.780 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

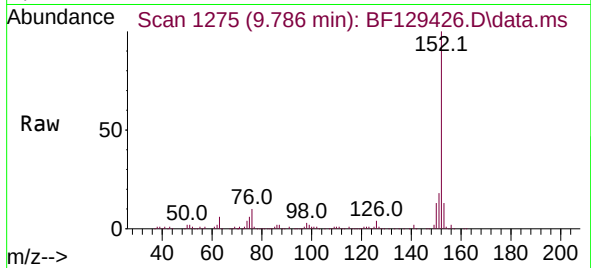
Tgt Ion: 172 Resp: 1745274
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.7 19.8 29.8





#49
Acenaphthylene
Concen: 2.939 ng
RT: 9.786 min Scan# 1275
Delta R.T. -0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

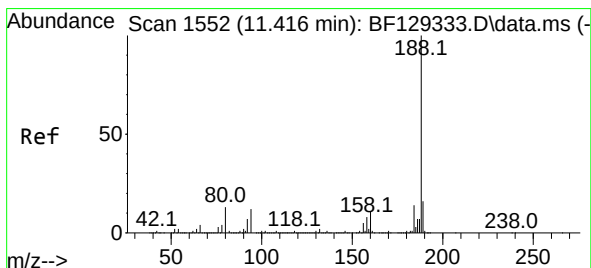
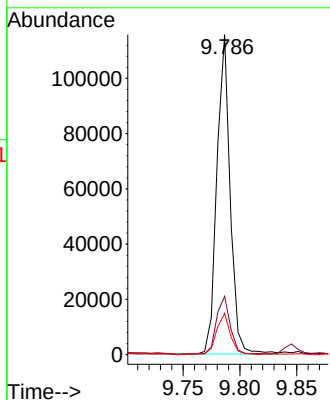
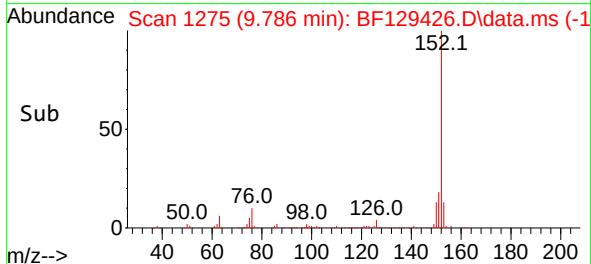
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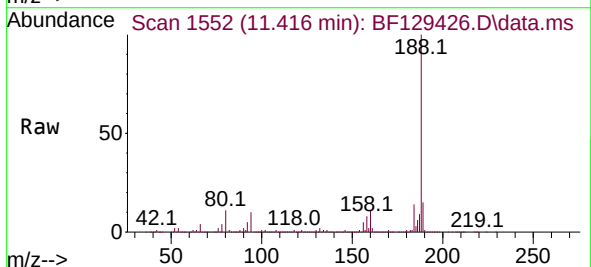
Tgt Ion:152 Resp: 93859
Ion Ratio Lower Upper
152 100
151 18.2 16.2 24.4
153 12.9 10.7 16.1

Manual Integrations
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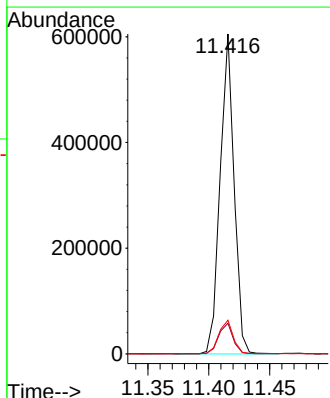
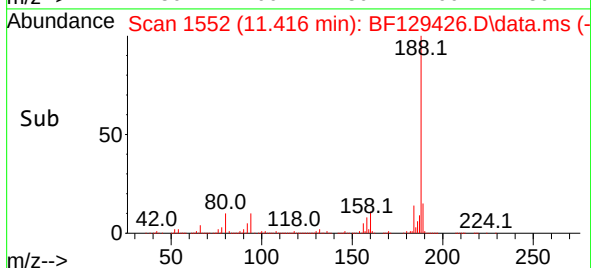
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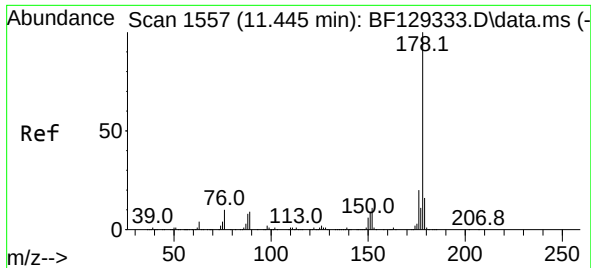


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42



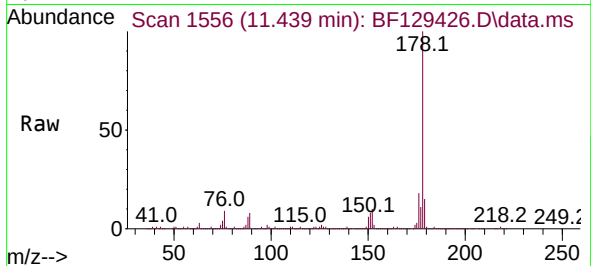
Tgt Ion:188 Resp: 481303
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.5 7.6 11.4





#71
Phenanthrene
Concen: 9.435 ng
RT: 11.439 min Scan# 1557
Delta R.T. -0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

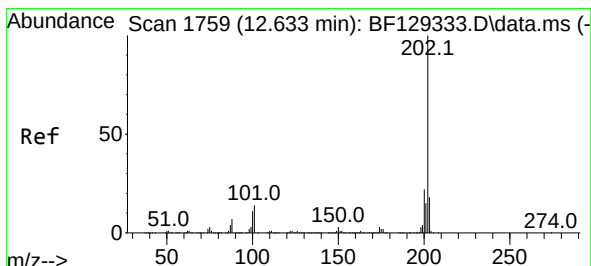
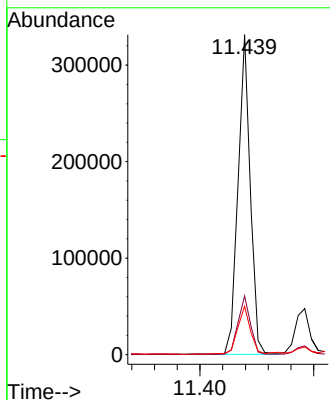
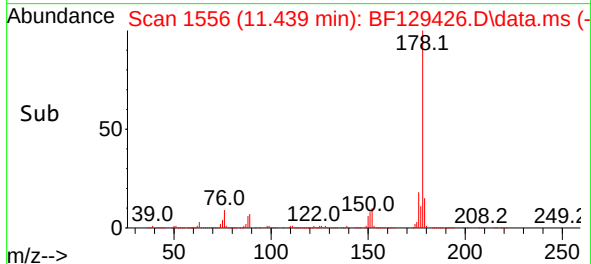
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RVE-13



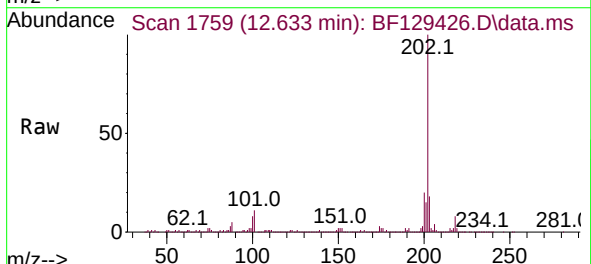
Tgt Ion:178 Resp: 247882
Ion Ratio Lower Upper
178 100
176 18.3 16.0 24.0
179 15.1 12.6 19.0

Manual Integrations
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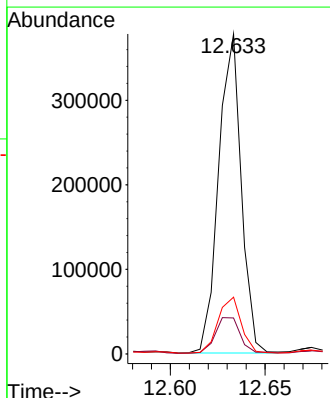
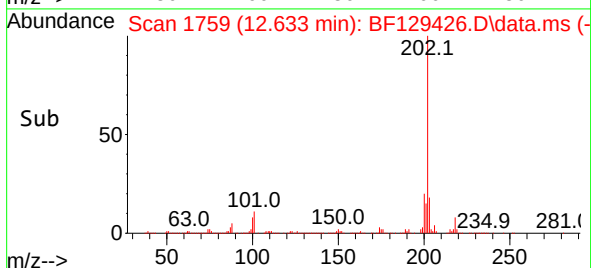
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

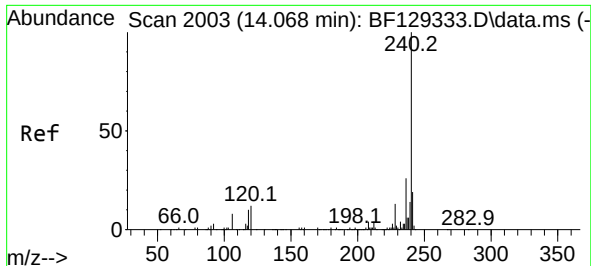


#75
Fluoranthene
Concen: 11.759 ng
RT: 12.633 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42



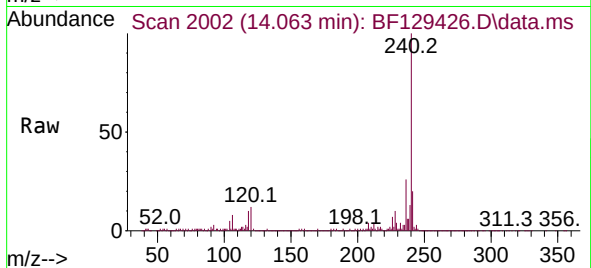
Tgt Ion:202 Resp: 313028
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

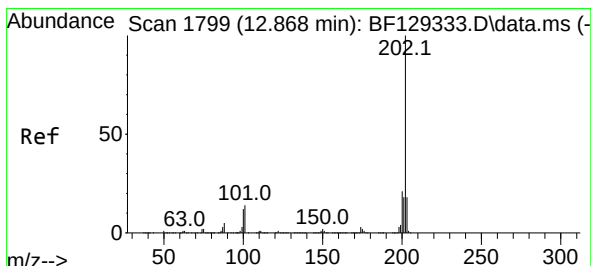
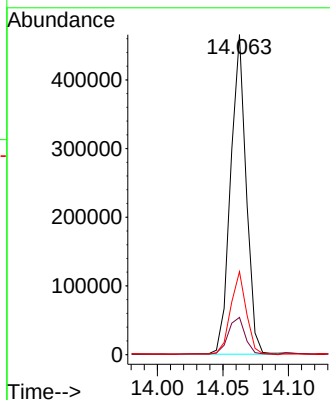
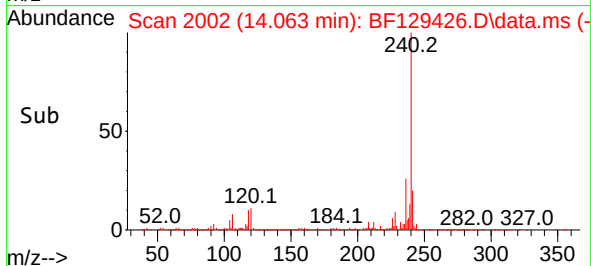
Instrument :
BNA_F
ClientSampleId :
RVE-13



Tgt Ion:240 Resp: 384530
Ion Ratio Lower Upper
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120 11.6 8.9 13.3
236 25.9 20.8 31.2

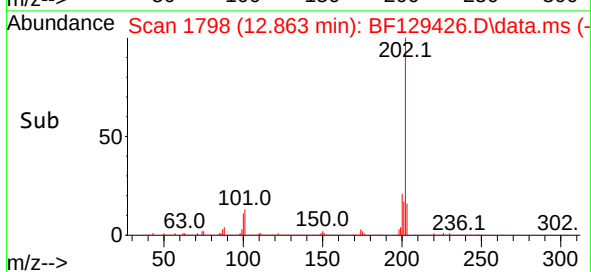
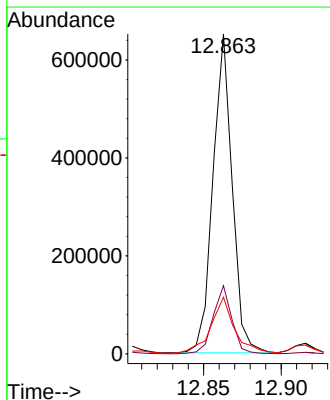
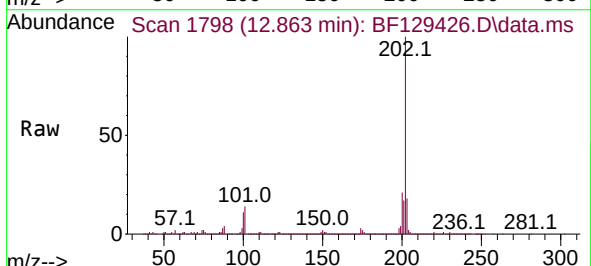
Manual Integrations
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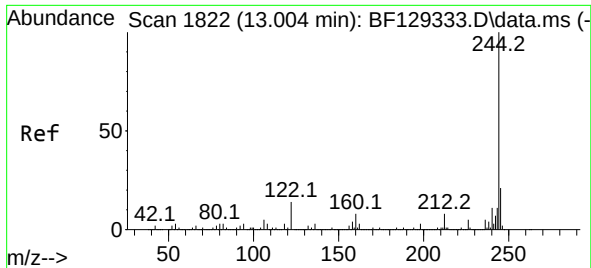
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#78
Pyrene
Concen: 17.442 ng
RT: 12.863 min Scan# 1798
Delta R.T. -0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

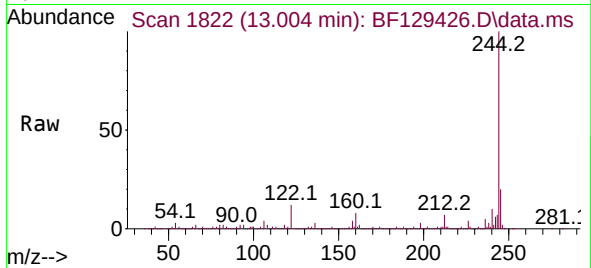
Tgt Ion:202 Resp: 560865
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 68.365 ng
 RT: 13.004 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF129426.D
 Acq: 29 Jul 2022 00:42

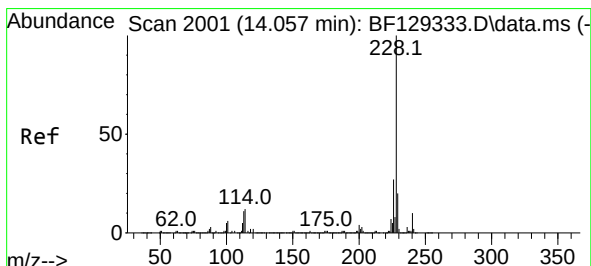
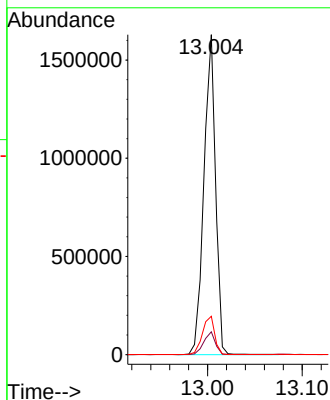
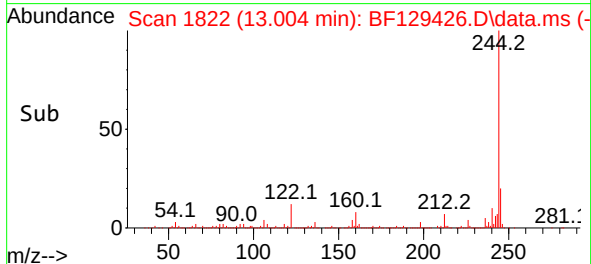
Instrument :
 BNA_F
 ClientSampleId :
 RVE-13



Tgt Ion:244 Resp: 1393437
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 12.0 8.8 13.2

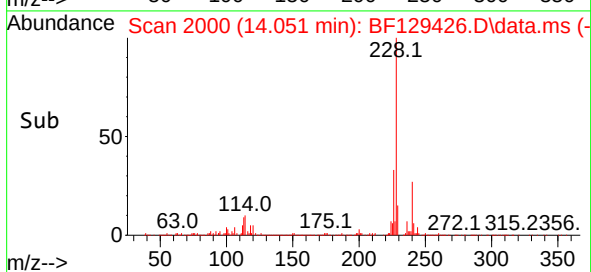
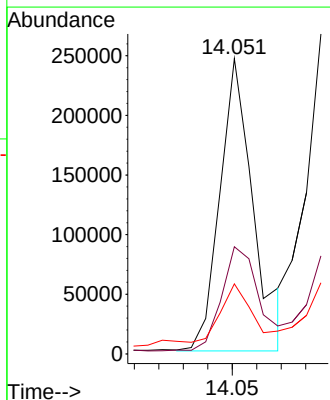
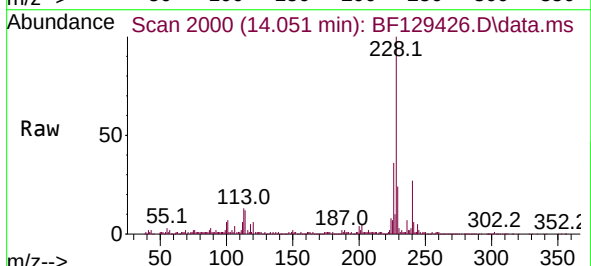
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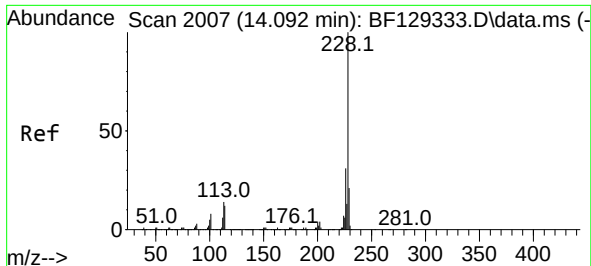
Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022



#81
 Benzo(a)anthracene
 Concen: 8.869 ng m
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.006 min
 Lab File: BF129426.D
 Acq: 29 Jul 2022 00:42

Tgt Ion:228 Resp: 232964
 Ion Ratio Lower Upper
 228 100
 226 36.3 22.1 33.1#
 229 23.7 15.8 23.8





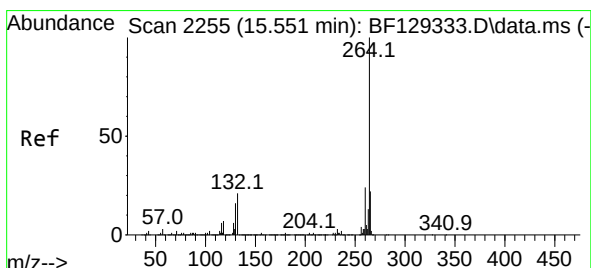
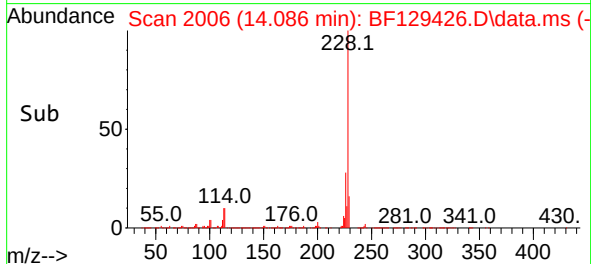
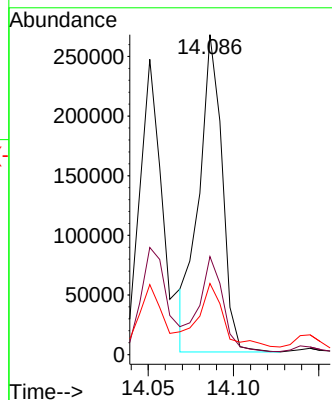
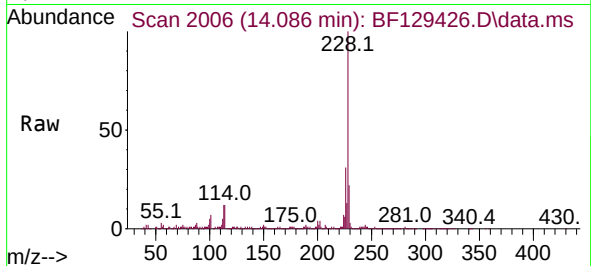
#83
Chrysene
Concen: 10.192 ng
RT: 14.086 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

Instrument :
BNA_F
ClientSampleId :
RVE-13

Tgt Ion:228 Resp: 252321
Ion Ratio Lower Upper
228 100
226 30.6 24.3 36.5
229 22.2 15.9 23.9

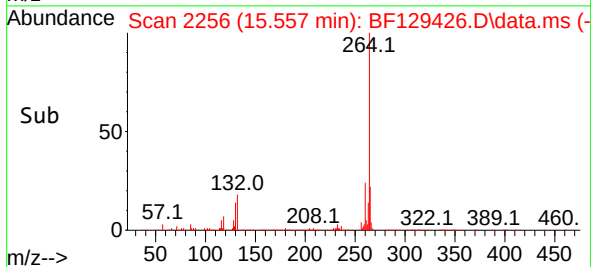
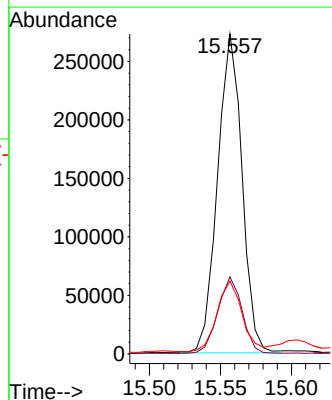
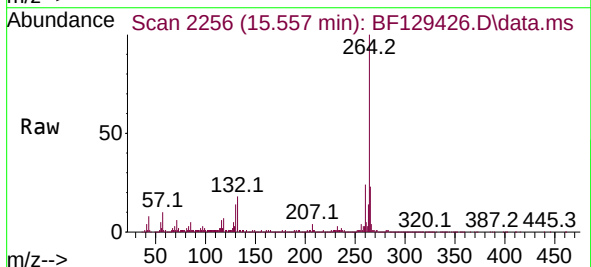
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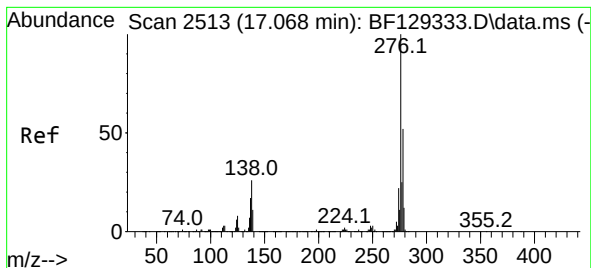
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF129426.D
Acq: 29 Jul 2022 00:42

Tgt Ion:264 Resp: 327643
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.038 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129426.D

Acq: 29 Jul 2022 00:42

Instrument :

BNA_F

ClientSampleId :

RVE-13

Tgt Ion:276 Resp: 67035

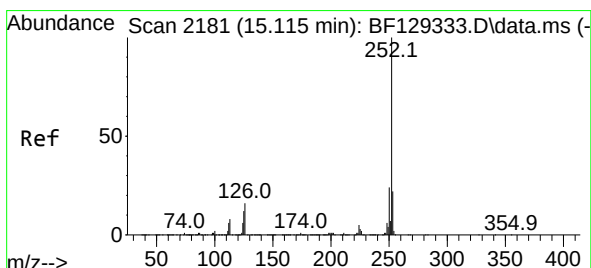
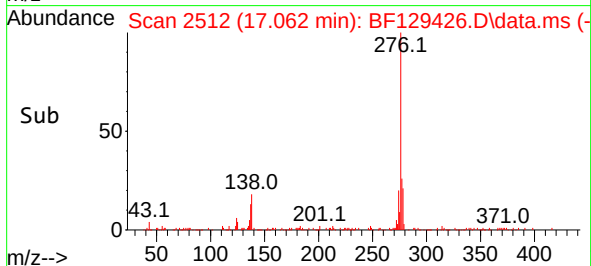
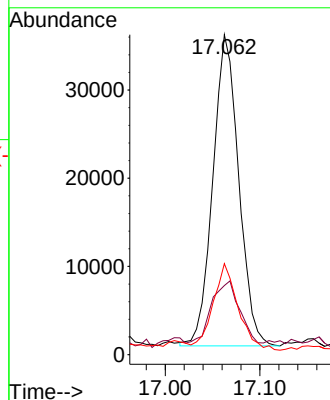
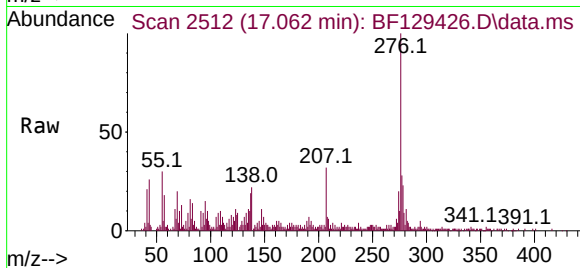
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.1	31.7
277	27.1	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#88

Benzo(b)fluoranthene

Concen: 8.159 ng m

RT: 15.116 min Scan# 2181

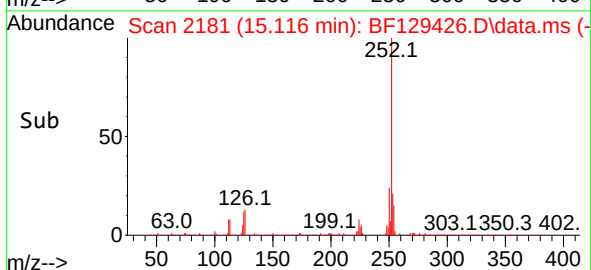
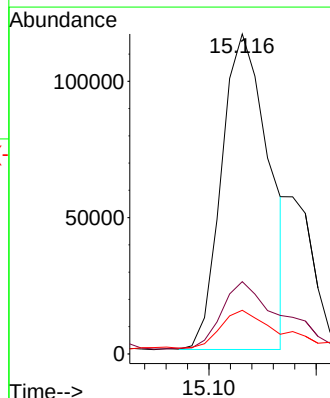
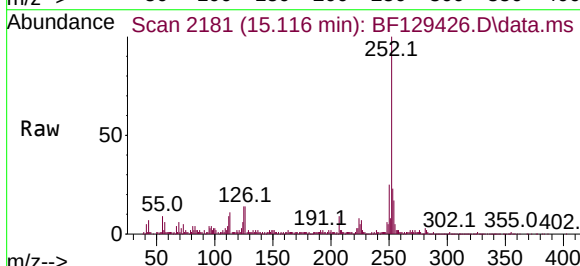
Delta R.T. 0.000 min

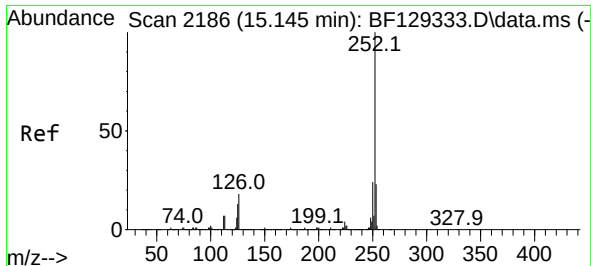
Lab File: BF129426.D

Acq: 29 Jul 2022 00:42

Tgt Ion:252 Resp: 177320

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	13.6	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 2.336 ng m

RT: 15.133 min Scan# 2186

Delta R.T. -0.012 min

Lab File: BF129426.D

Acq: 29 Jul 2022 00:42

Instrument :

BNA_F

ClientSampleId :

RVE-13

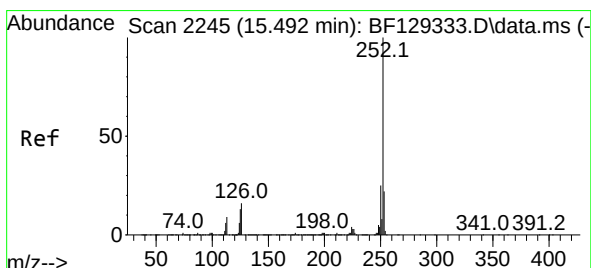
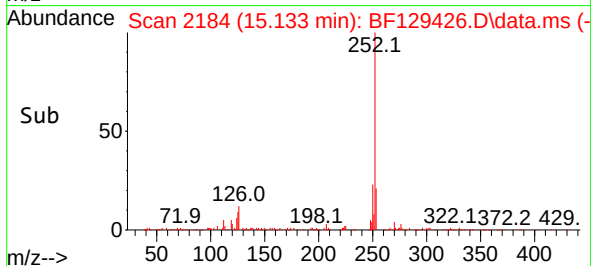
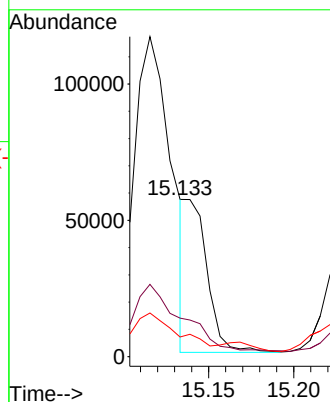
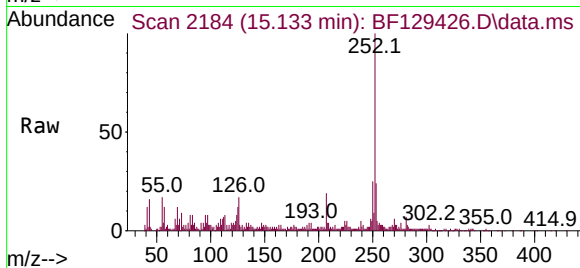
Tgt Ion:	252	Resp:	49754
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.6
125	12.5	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/29/2022

Supervised By :Jagrut Upadhyay 07/29/2022



#90

Benzo(a)pyrene

Concen: 7.999 ng

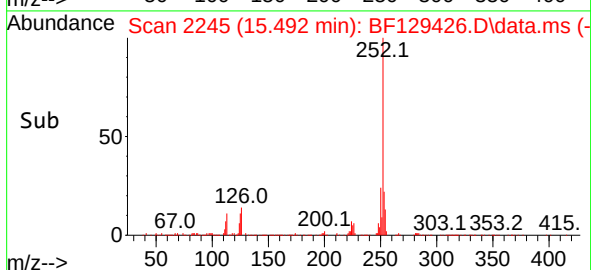
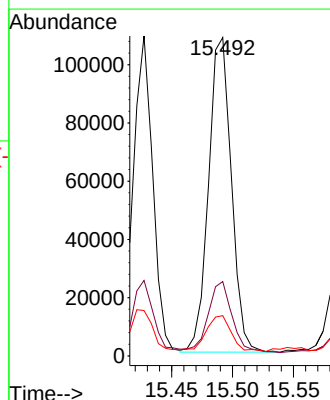
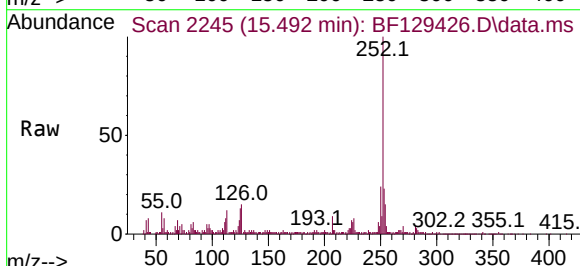
RT: 15.492 min Scan# 2245

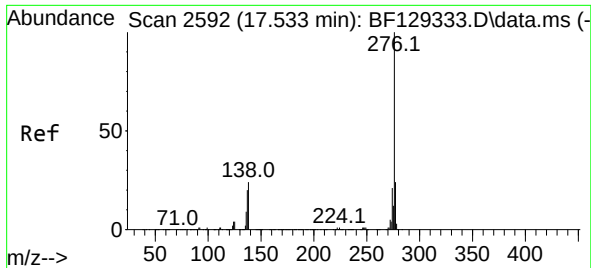
Delta R.T. 0.000 min

Lab File: BF129426.D

Acq: 29 Jul 2022 00:42

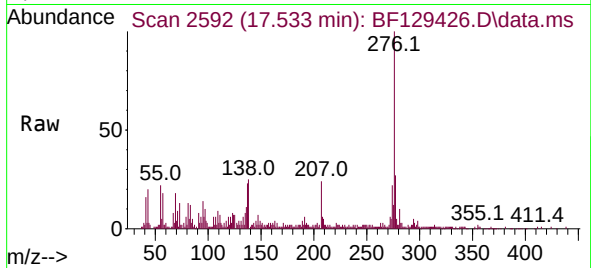
Tgt Ion:	252	Resp:	141129
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	12.7	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 4.930 ng
 RT: 17.533 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF129426.D
 Acq: 29 Jul 2022 00:42

Instrument :
 BNA_F
 ClientSampleId :
 RVE-13



Tgt Ion:276 Resp: 90465
 Ion Ratio Lower Upper
 276 100
 277 27.5 19.1 28.7
 138 24.9 18.0 27.0

Manual Integrations
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Reviewed By :Christian Giraldo 07/29/2022
 Supervised By :Jagrut Upadhyay 07/29/2022

