

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129613.D
 Acq On : 05 Aug 2022 22:24
 Operator : CG\JU
 Sample : N3961-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-186

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:03:14 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 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	158913	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	602428	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	276465	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	363958	20.000	ng	#-0.01
76) Chrysene-d12	14.016	240	286491	20.000	ng	-0.01
86) Perylene-d12	15.492	264	291545	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1014391	103.984	ng	0.00
7) Phenol-d6	6.498	99	1246814	101.683	ng	0.00
23) Nitrobenzene-d5	7.410	82	787262	71.337	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	240010	90.297	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1331959	74.529	ng	0.00
79) Terphenyl-d14	12.957	244	957284	63.038	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	73777	3.713	ng	99
75) Fluoranthene	12.586	202	118682	5.896	ng	100
78) Pyrene	12.816	202	175206	7.313	ng	97
81) Benzo(a)anthracene	14.004	228	86935m	4.442	ng	
83) Chrysene	14.039	228	88991	4.825	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	49003	2.496	ng	95
88) Benzo(b)fluoranthene	15.057	252	122833m	6.352	ng	
90) Benzo(a)pyrene	15.427	252	90657	5.775	ng	98
92) Benzo(g,h,i)perylene	17.421	276	56695	3.472	ng	98

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

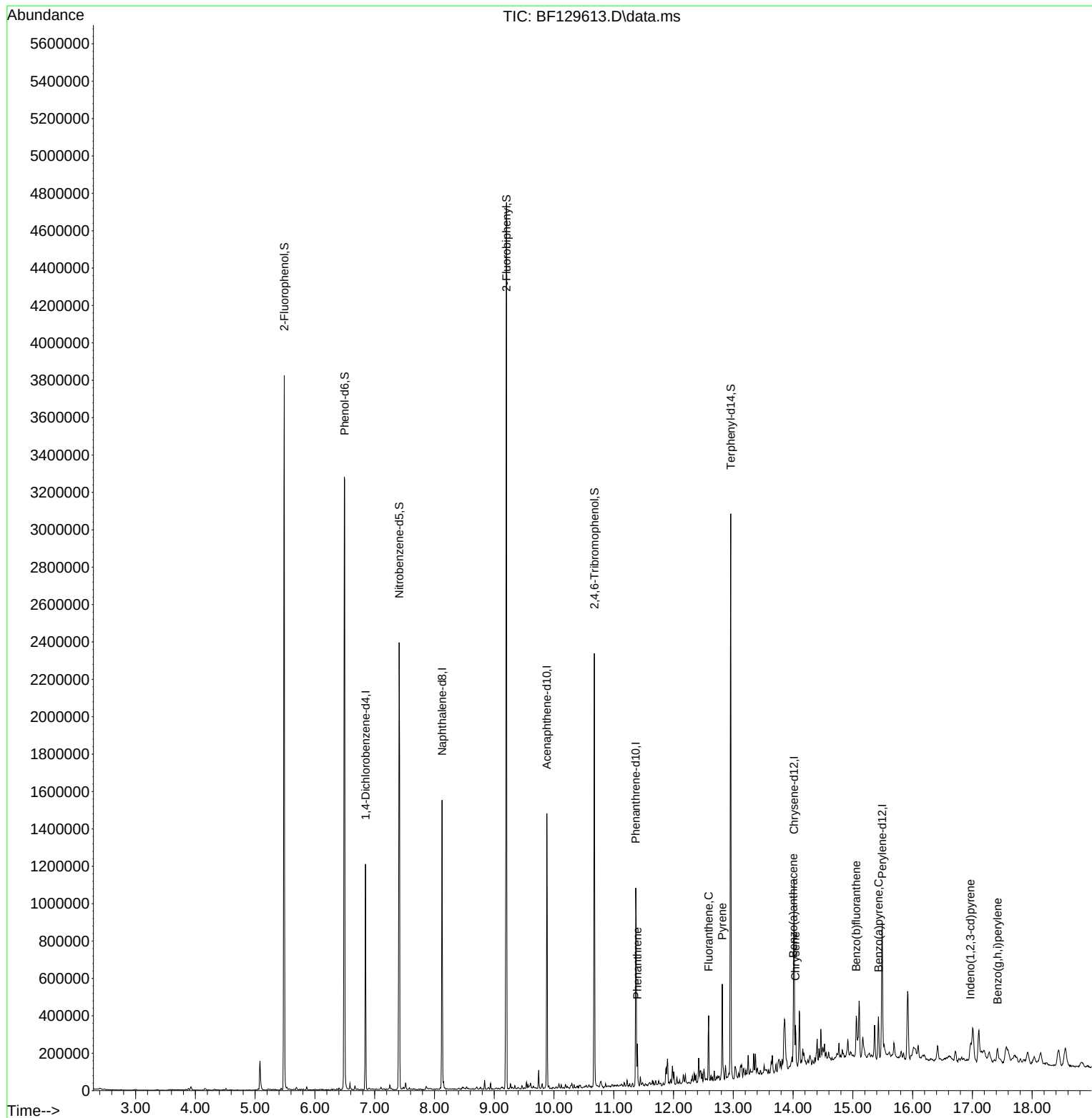
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
Data File : BF129613.D
Acq On : 05 Aug 2022 22:24
Operator : CG\JU
Sample : N3961-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

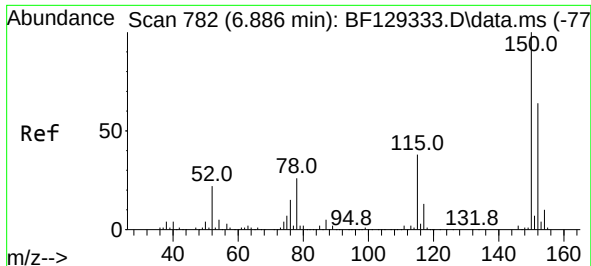
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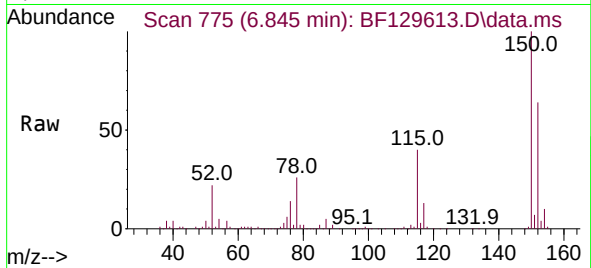
Quant Time: Aug 08 02:03:14 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 16:27:34 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

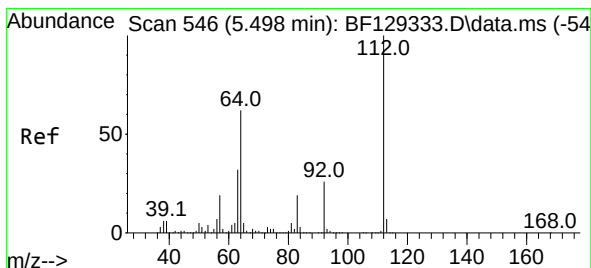
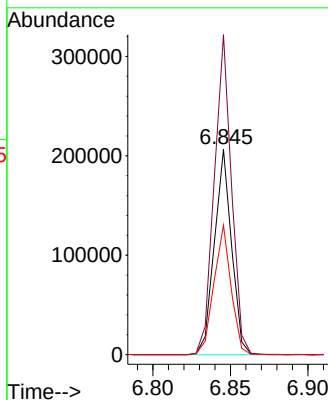
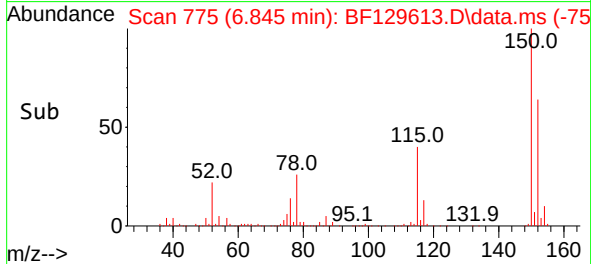
Instrument :
BNA_F
ClientSampleId :
RVE-186



Tgt Ion:152 Resp: 158913
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 63.0 49.9 74.9

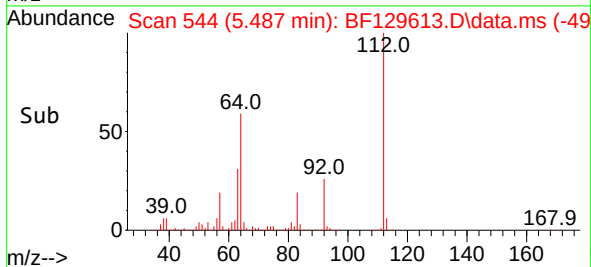
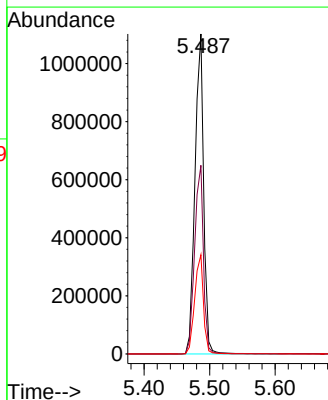
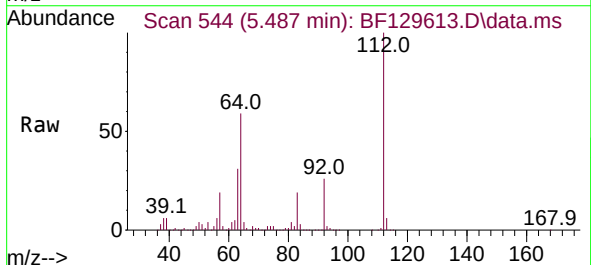
Manual Integrations
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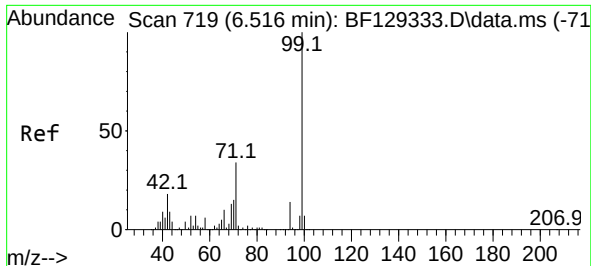
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 103.984 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

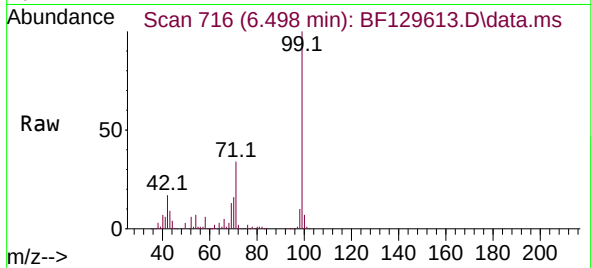
Tgt Ion:112 Resp: 1014391
Ion Ratio Lower Upper
112 100
64 58.9 53.3 79.9
63 31.0 28.0 42.0





#7
Phenol-d6
Concen: 101.683 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

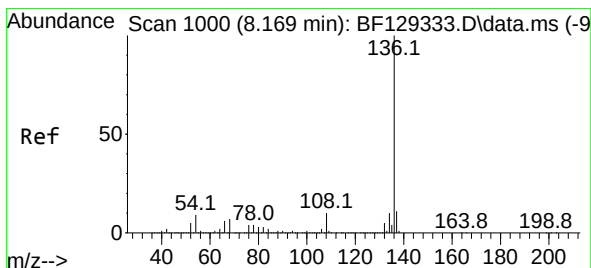
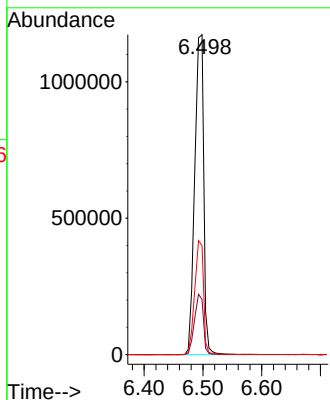
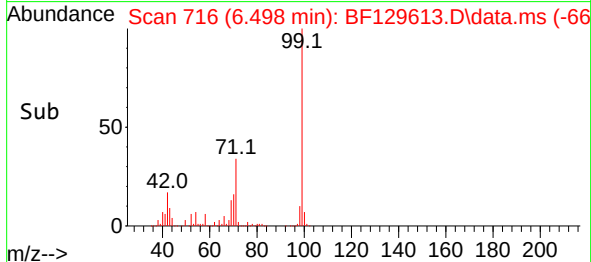
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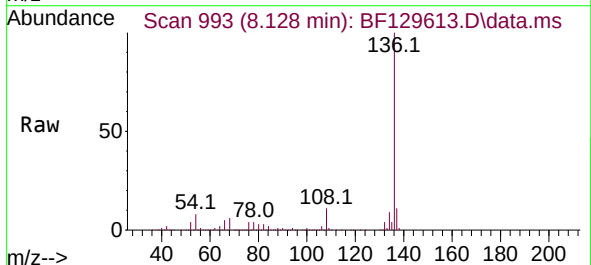
Tgt Ion: 99 Resp: 1246814
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9
71 34.0 28.9 43.3

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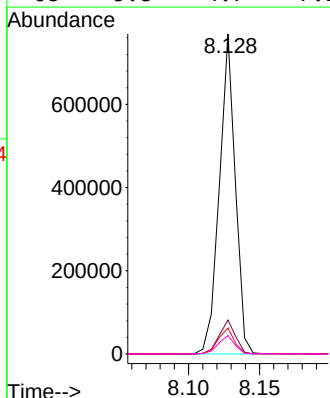
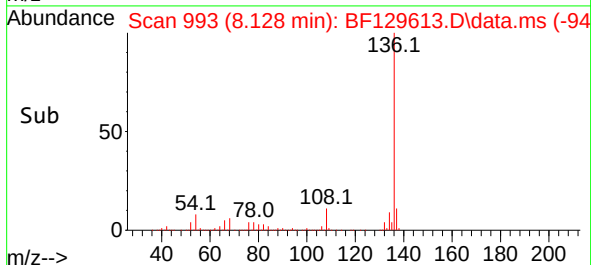
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Supervised By :Jagrut Upadhyay 08/08/2022

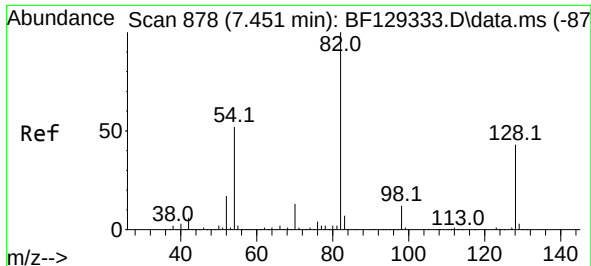


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



Tgt Ion:136 Resp: 602428
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.1 7.5 11.3
68 5.8 4.7 7.1





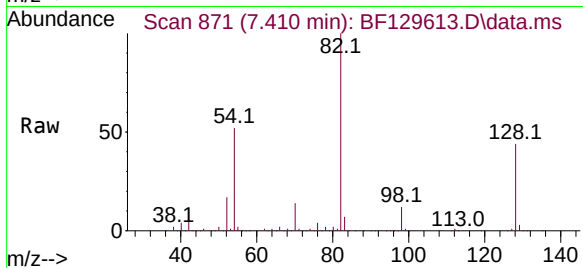
#23
Nitrobenzene-d5
Concen: 71.337 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

Instrument :

BNA_F

ClientSampleId :

RVE-186

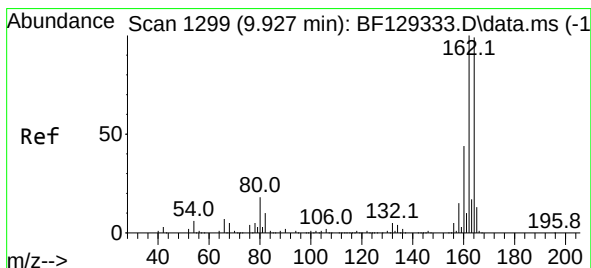
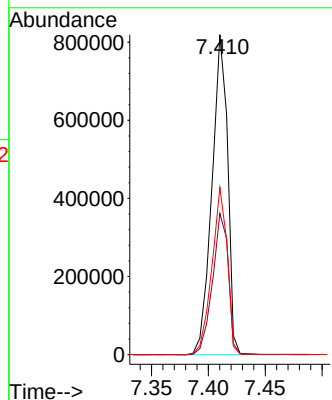
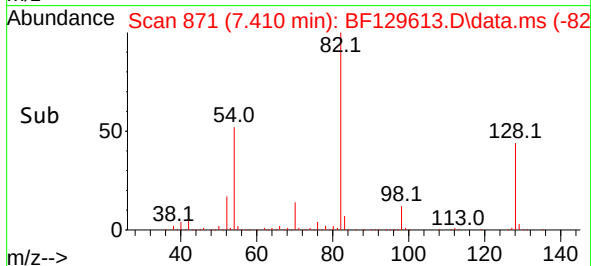


Tgt Ion: 82 Resp: 787262
Ion Ratio Lower Upper
82 100
128 44.2 34.0 51.0
54 52.2 46.9 70.3

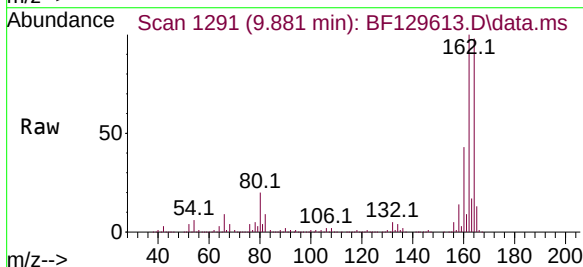
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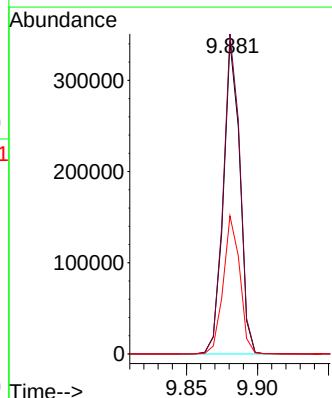
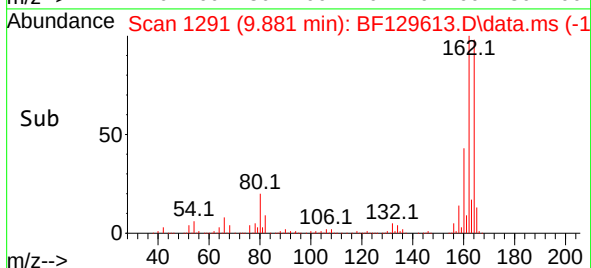
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

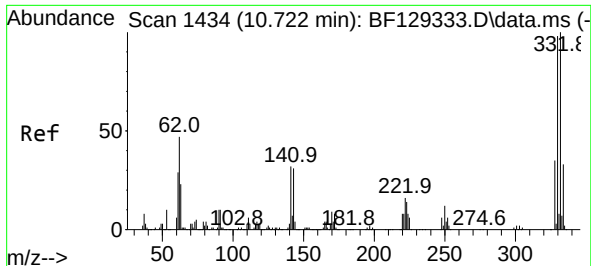


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



Tgt Ion:164 Resp: 276465
Ion Ratio Lower Upper
164 100
162 102.5 79.5 119.3
160 44.2 34.2 51.4





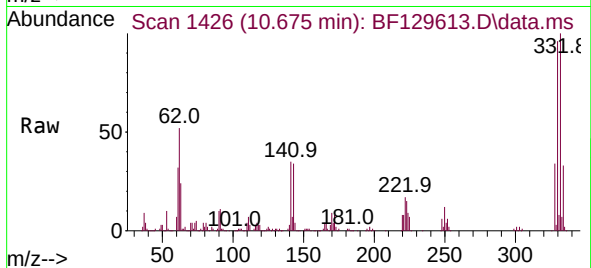
#42
2,4,6-Tribromophenol
Concen: 90.297 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

Instrument :

BNA_F

ClientSampleId :

RVE-186

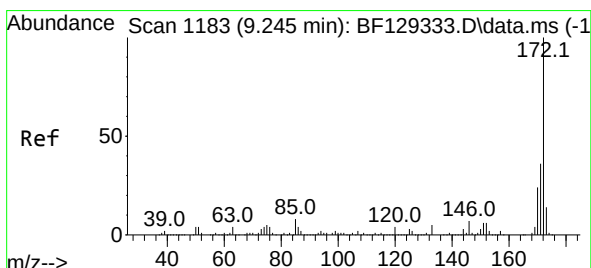
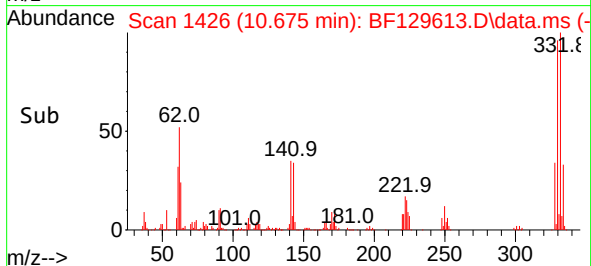
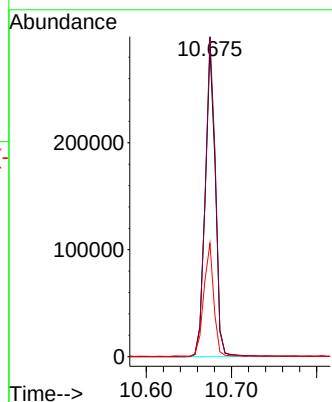


Tgt Ion:330 Resp: 240010
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 36.2 28.0 42.0

Manual Integrations

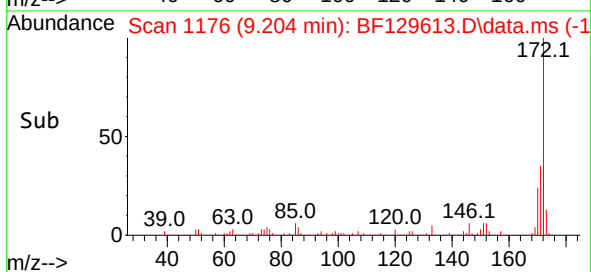
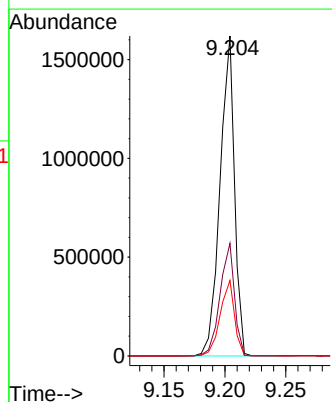
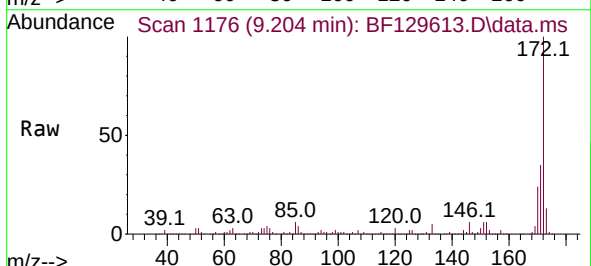
APPROVED

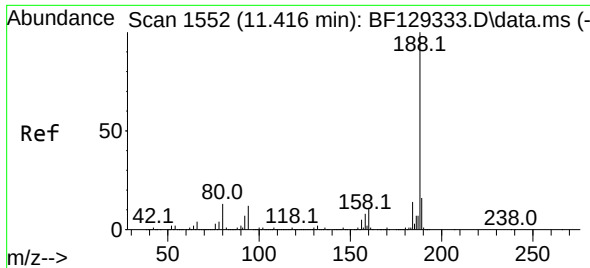
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#45
2-Fluorobiphenyl
Concen: 74.529 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

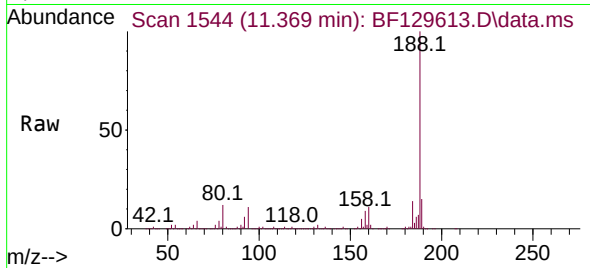
Tgt Ion:172 Resp: 1331959
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.6 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

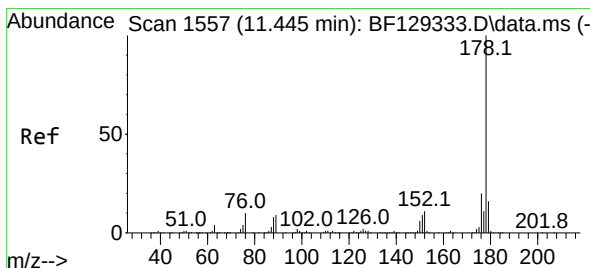
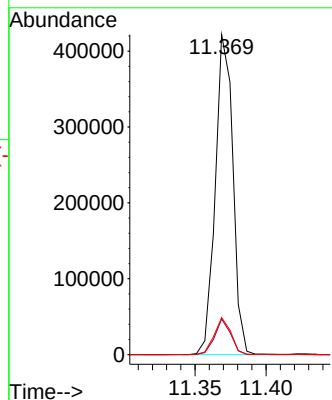
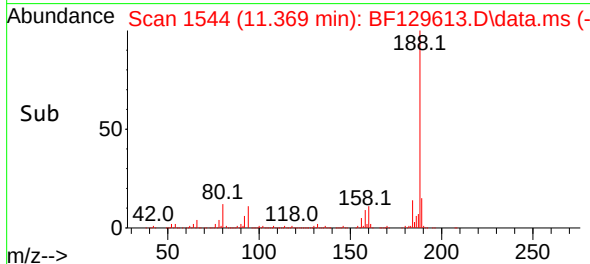
Instrument :
BNA_F
ClientSampleId :
RVE-186



Tgt Ion:188 Resp: 363958
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6
80 11.6 7.6 11.4

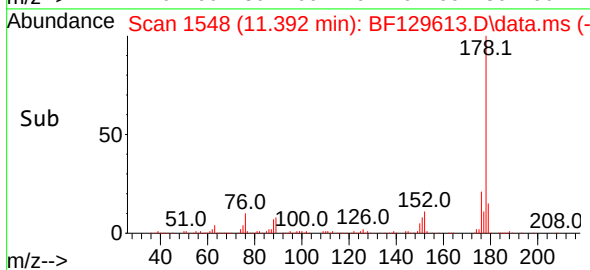
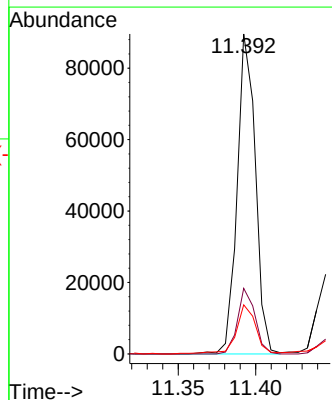
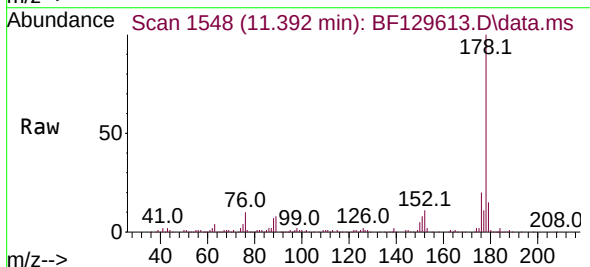
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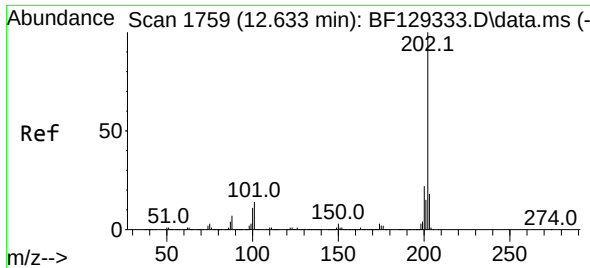
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#71
Phenanthrene
Concen: 3.713 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

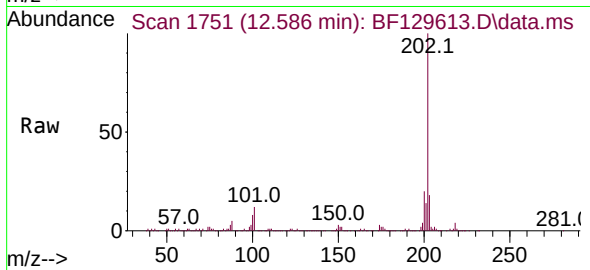
Tgt Ion:178 Resp: 73777
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 5.896 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

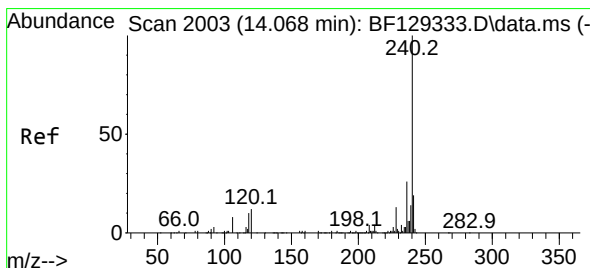
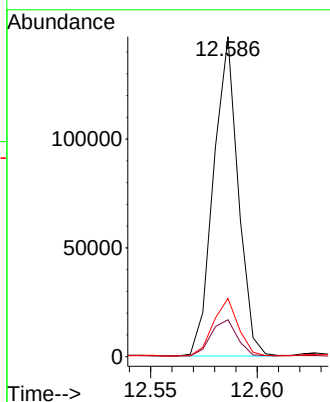
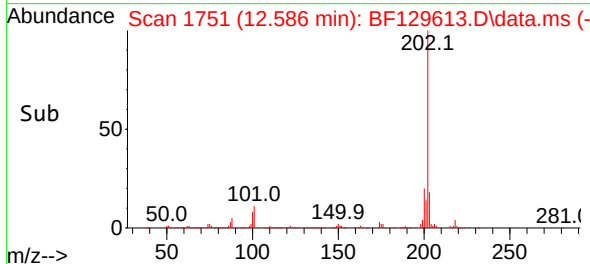
Instrument :
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RVE-186



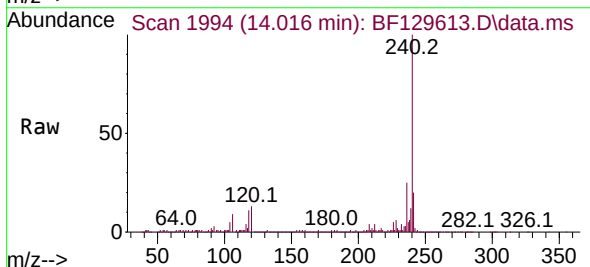
Tgt Ion:202 Resp: 118682
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 18.2 0.0 38.0

Manual Integrations
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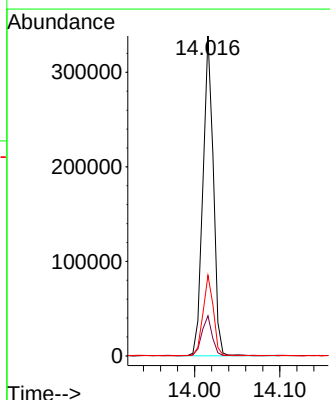
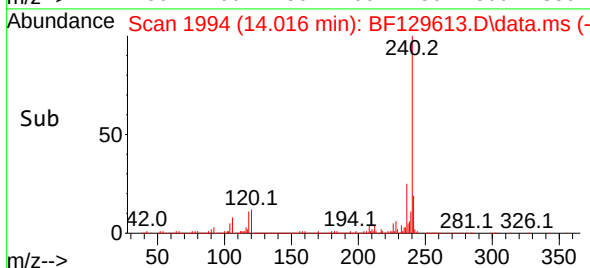
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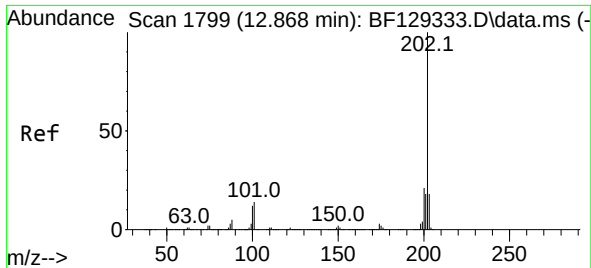


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



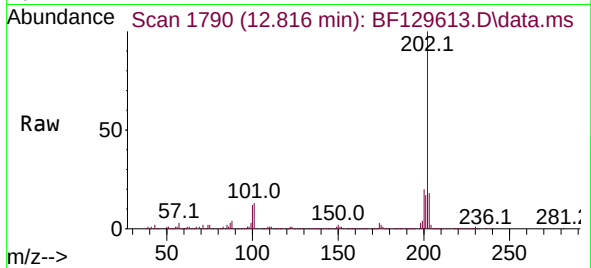
Tgt Ion:240 Resp: 286491
Ion Ratio Lower Upper
240 100
120 12.5 8.9 13.3
236 25.2 20.8 31.2





#78
Pyrene
Concen: 7.313 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

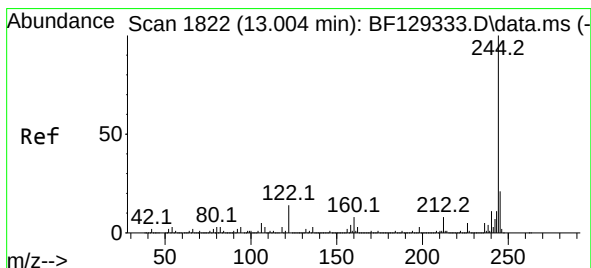
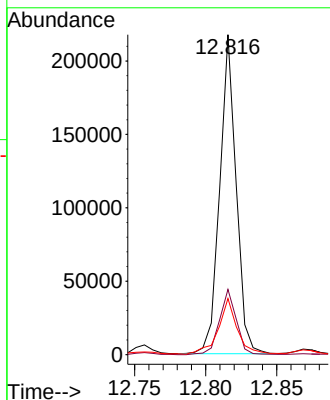
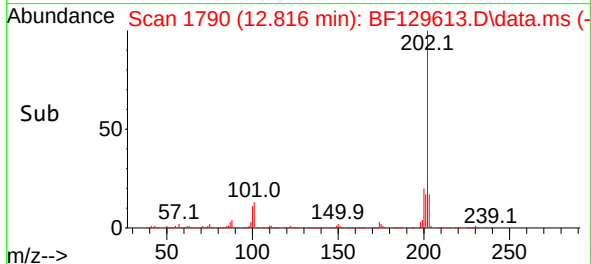
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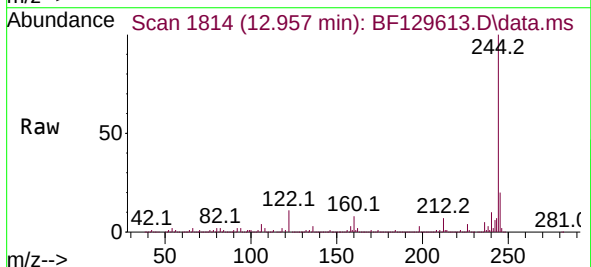
Tgt Ion:202 Resp: 175206
Ion Ratio Lower Upper
202 100
200 20.4 17.7 26.5
203 17.5 14.6 21.8

Manual Integrations
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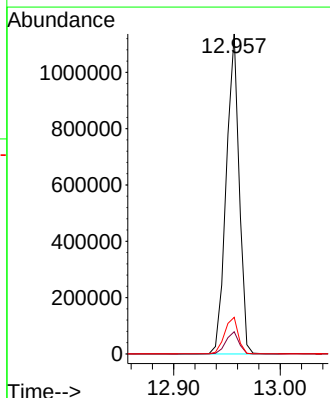
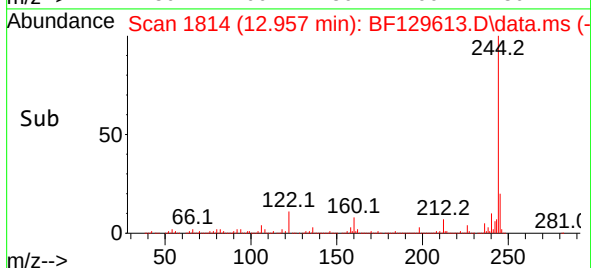
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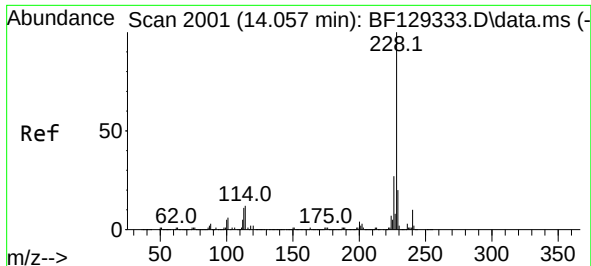


#79
Terphenyl-d14
Concen: 63.038 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



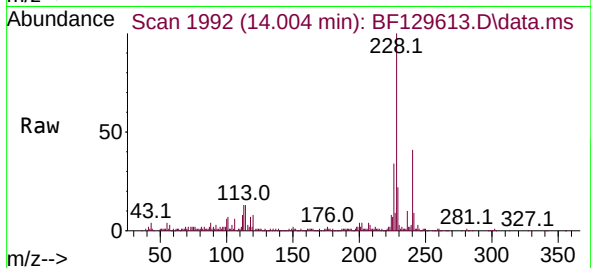
Tgt Ion:244 Resp: 957284
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 11.4 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.442 ng m
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

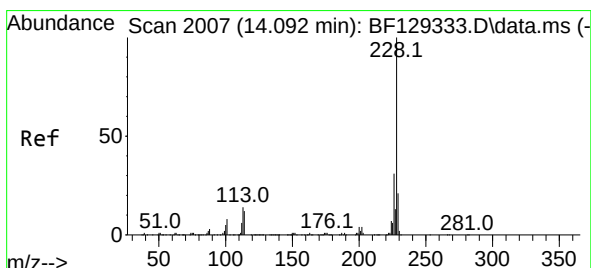
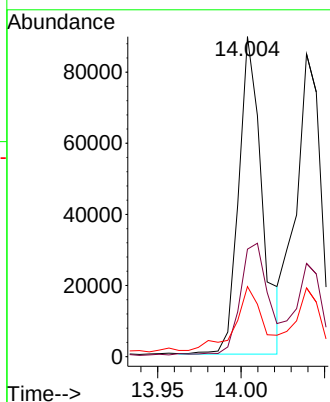
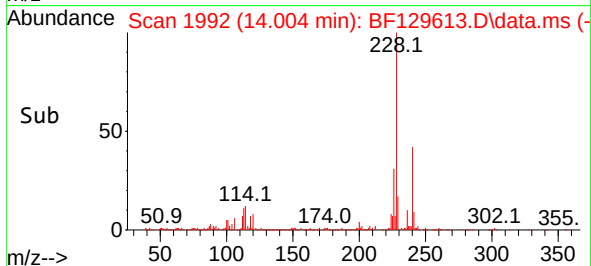
Instrument :
BNA_F
ClientSampleId :
RVE-186



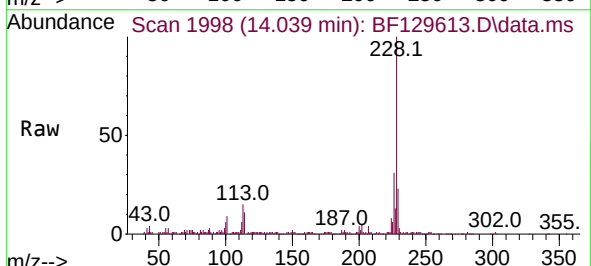
Tgt Ion:228 Resp: 86935
Ion Ratio Lower Upper
228 100
226 33.6 22.1 33.1
229 21.9 15.8 23.8

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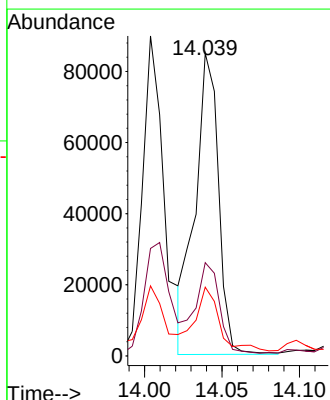
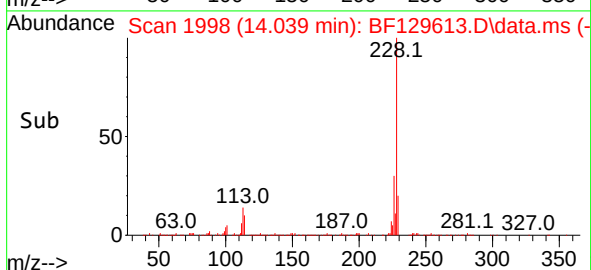
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

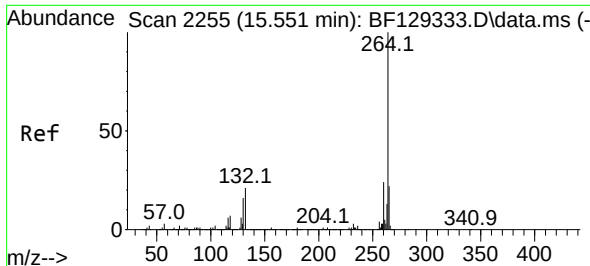


#83
Chrysene
Concen: 4.825 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



Tgt Ion:228 Resp: 88991
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.7 15.9 23.9





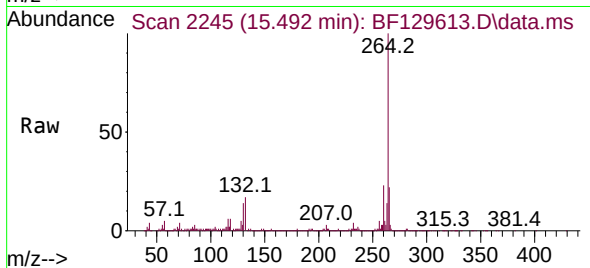
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24

Instrument :

BNA_F

ClientSampleId :

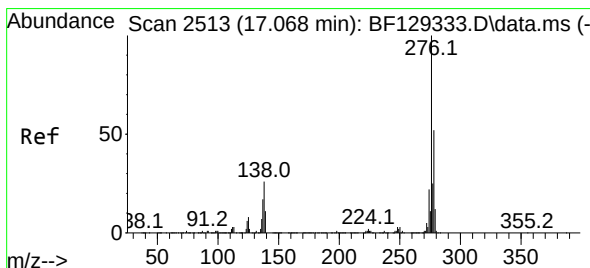
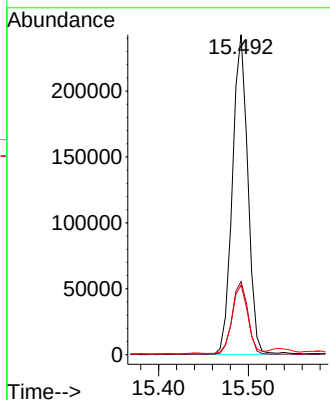
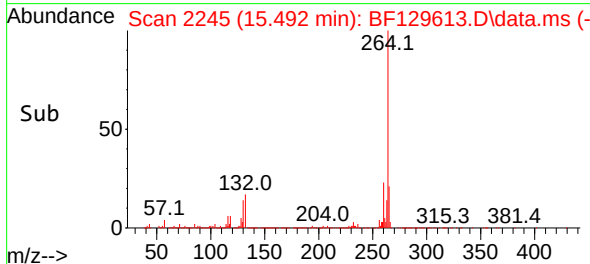
RVE-186



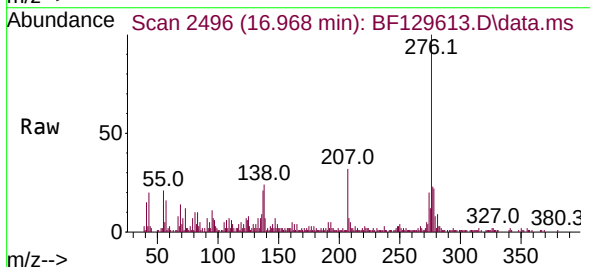
Tgt Ion:264 Resp: 291545
Ion Ratio Lower Upper
264 100
260 22.8 18.4 27.6
265 21.7 17.2 25.8

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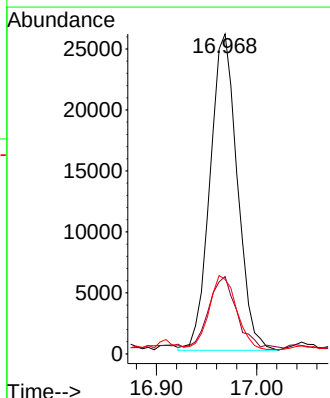
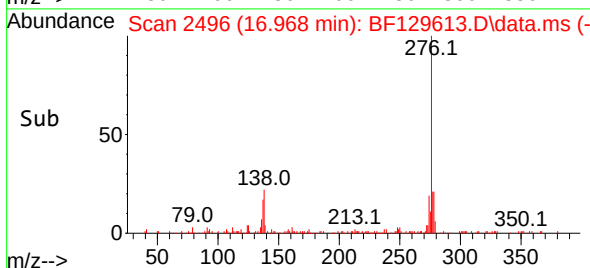
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

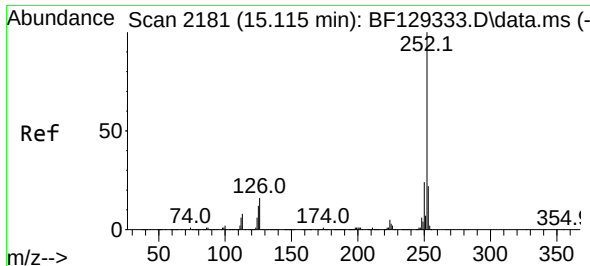


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.496 ng
RT: 16.968 min Scan# 2496
Delta R.T. -0.029 min
Lab File: BF129613.D
Acq: 05 Aug 2022 22:24



Tgt Ion:276 Resp: 49003
Ion Ratio Lower Upper
276 100
138 22.9 21.1 31.7
277 23.6 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 6.352 ng m

RT: 15.057 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF129613.D

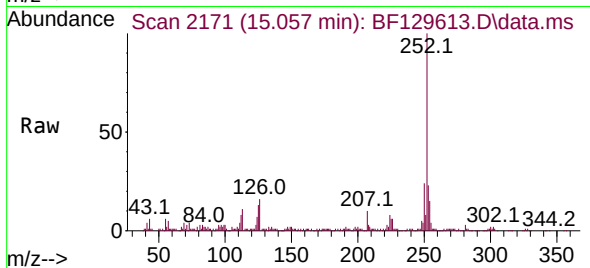
Acq: 05 Aug 2022 22:24

Instrument :

BNA_F

ClientSampleId :

RVE-186



Tgt Ion: 252 Resp: 122833

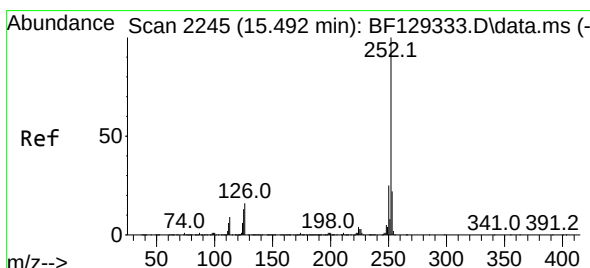
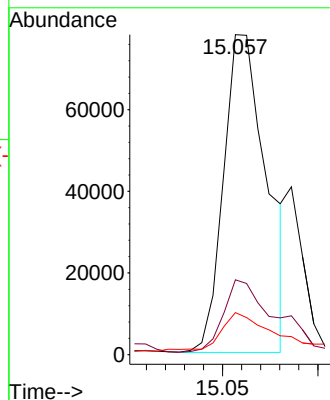
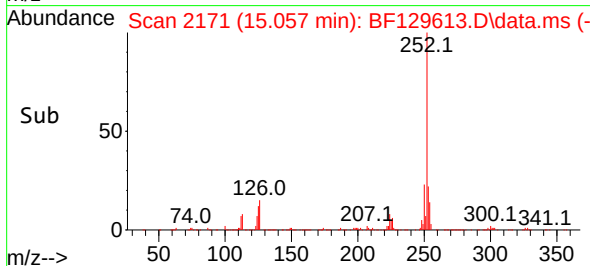
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	13.1	8.0	12.0

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 08/08/2022

Supervised By : Jagrut Upadhyay 08/08/2022



#90

Benzo(a)pyrene

Concen: 5.775 ng

RT: 15.427 min Scan# 2234

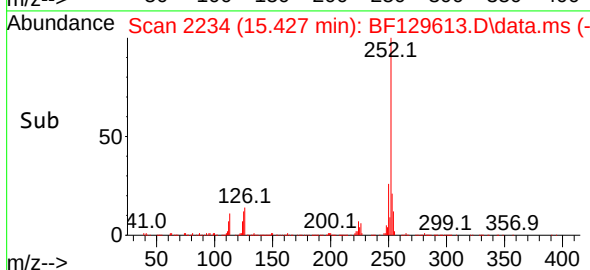
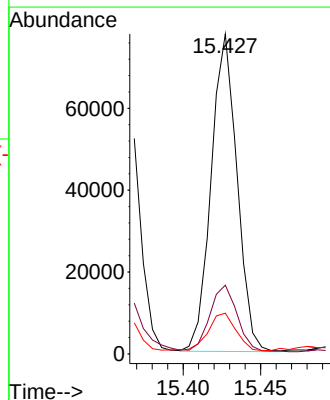
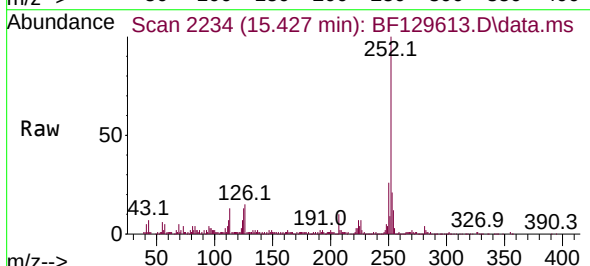
Delta R.T. -0.012 min

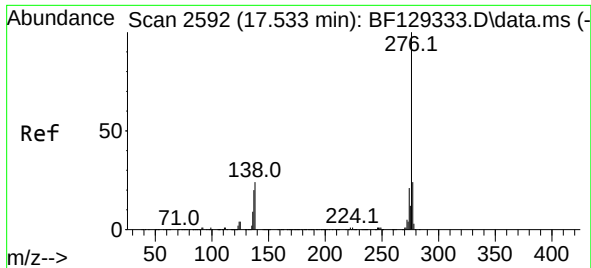
Lab File: BF129613.D

Acq: 05 Aug 2022 22:24

Tgt Ion: 252 Resp: 90657

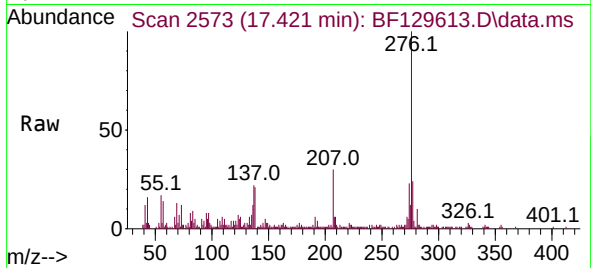
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	12.7	8.8	13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.472 ng
 RT: 17.421 min Scan# 2573
 Delta R.T. -0.029 min
 Lab File: BF129613.D
 Acq: 05 Aug 2022 22:24

Instrument :
 BNA_F
 ClientSampleId :
 RVE-186



Tgt Ion:	276	Resp:	5669
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.1	28.7
138	21.1	18.0	27.0

Manual Integrations
 APPROVED

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

