

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
 Data File : BF129423.D
 Acq On : 28 Jul 2022 23:03
 Operator : CG\JU
 Sample : N3893-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-18

Manual Integrations
 APPROVED

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

Quant Time: Jul 29 02:10:14 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	6.881	152	186482	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	712270	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	348388	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	479481	20.000	ng	0.00
76) Chrysene-d12	14.057	240	345625	20.000	ng	#-0.01
86) Perylene-d12	15.551	264	345194	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1220634	106.628	ng	0.02
7) Phenol-d6	6.522	99	1542654	107.211	ng	0.00
23) Nitrobenzene-d5	7.451	82	976763	74.859	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	325418	97.154	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1712397	76.036	ng	0.00
79) Terphenyl-d14	12.998	244	1281473	69.949	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	120843	4.617	ng	98
75) Fluoranthene	12.628	202	176957	6.673	ng	99
78) Pyrene	12.857	202	188723	6.530	ng	100
81) Benzo(a)anthracene	14.051	228	114501	4.850	ng	93
83) Chrysene	14.086	228	118890	5.343	ng	97
88) Benzo(b)fluoranthene	15.110	252	158660m	6.929	ng	
89) Benzo(k)fluoranthene	15.139	252	56402m	2.514	ng	
90) Benzo(a)pyrene	15.486	252	111919	6.021	ng	97
92) Benzo(g,h,i)perylene	17.515	276	62807	3.249	ng	99

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

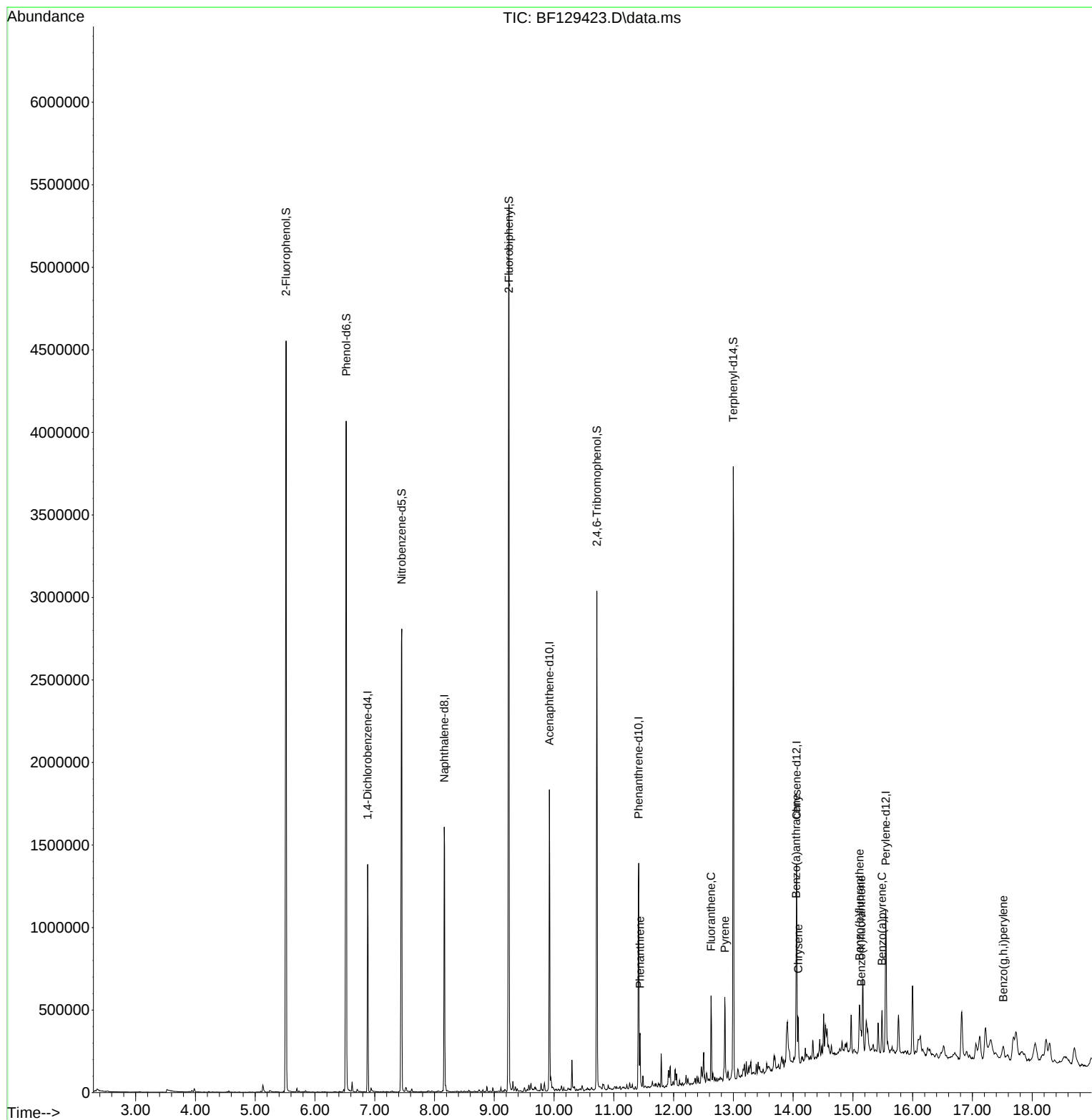
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072822\
Data File : BF129423.D
Acq On : 28 Jul 2022 23:03
Operator : CG\JU
Sample : N3893-18
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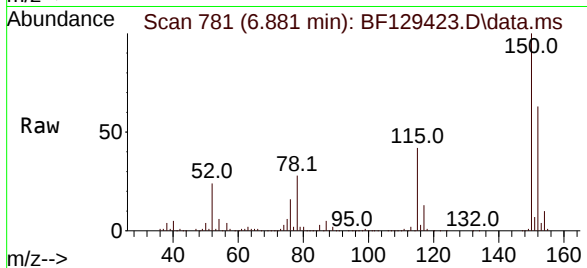
Quant Time: Jul 29 02:10:14 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 25 17:24:17 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 782
Delta R.T. -0.005 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

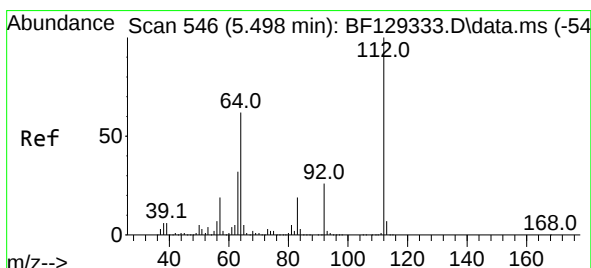
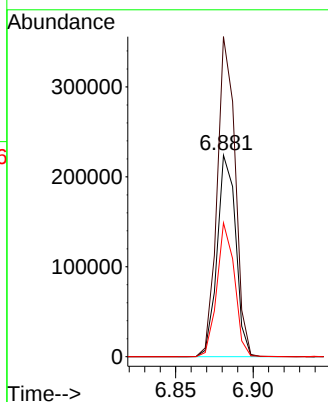
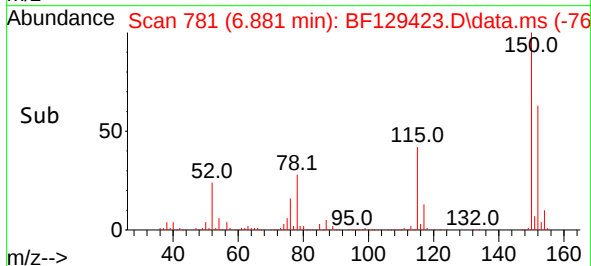
Instrument :
BNA_F
ClientSampleId :
RVE-18



Tgt Ion:152 Resp: 186482
Ion Ratio Lower Upper
152 100
150 158.9 123.7 185.5
115 66.4 49.9 74.9

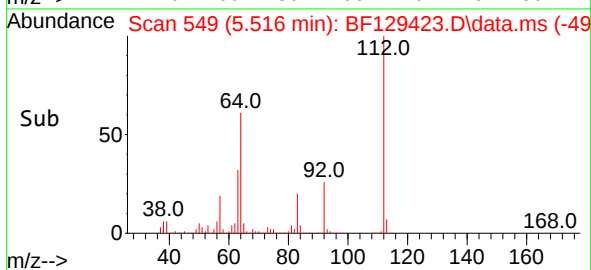
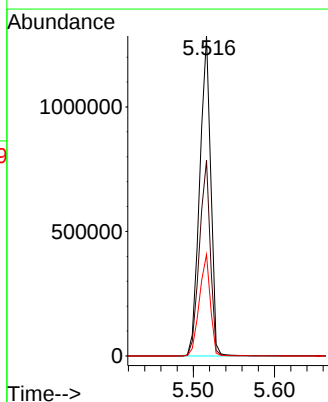
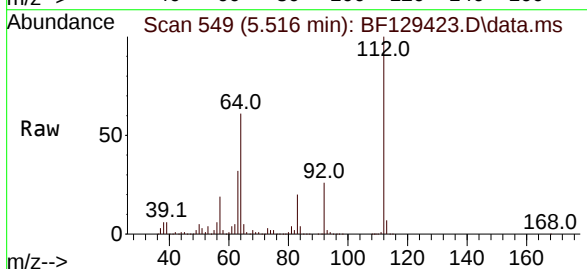
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#5
2-Fluorophenol
Concen: 106.628 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.018 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

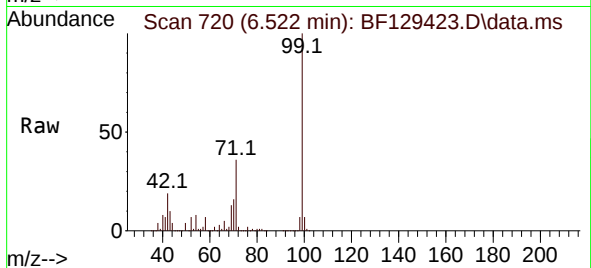
Tgt Ion:112 Resp: 1220634
Ion Ratio Lower Upper
112 100
64 61.1 53.3 79.9
63 31.7 28.0 42.0





#7
Phenol-d6
Concen: 107.211 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

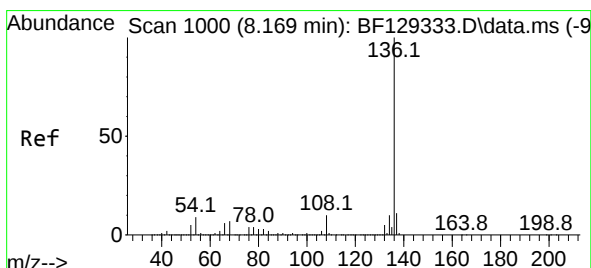
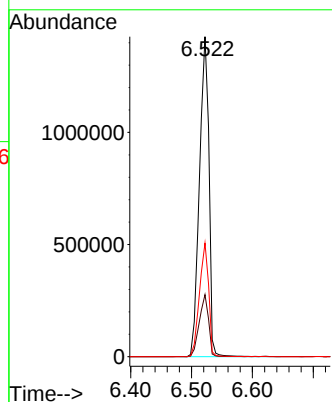
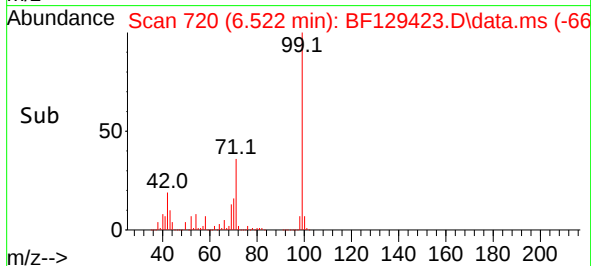
Instrument :
BNA_F
ClientSampleId :
RVE-18



Tgt Ion: 99 Resp: 1542654
Ion Ratio Lower Upper
99 100
42 19.4 17.3 25.9
71 35.5 28.9 43.3

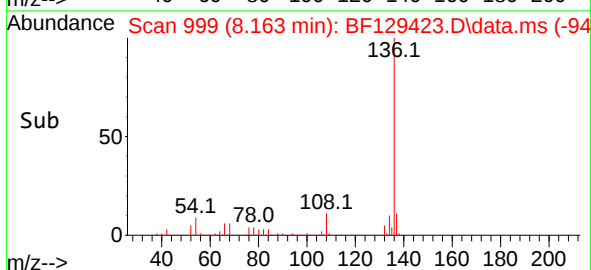
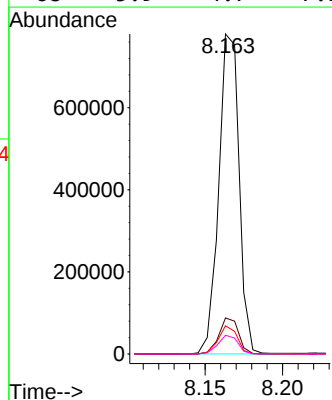
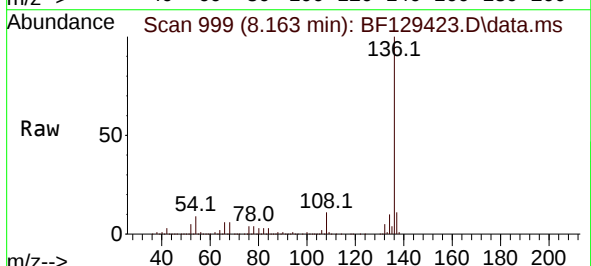
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

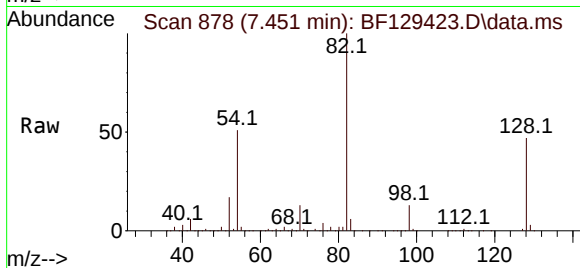
Tgt Ion:136 Resp: 712270
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.8 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 74.859 ng
RT: 7.451 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

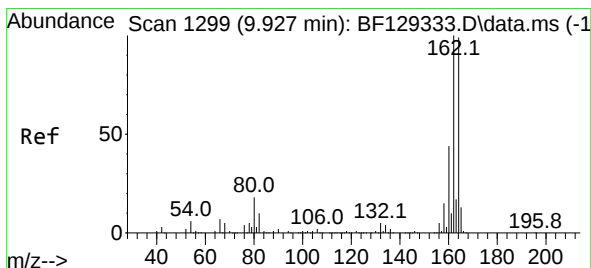
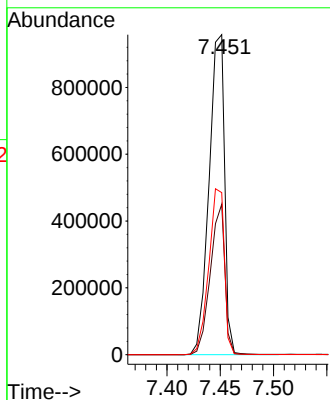
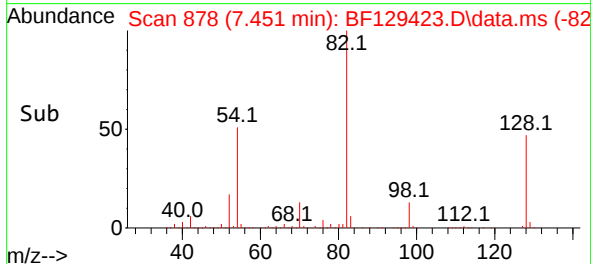
Instrument :
BNA_F
ClientSampleId :
RVE-18



Tgt Ion: 82 Resp: 97676
Ion Ratio Lower Upper
82 100
128 47.0 34.0 51.0
54 50.6 46.9 70.3

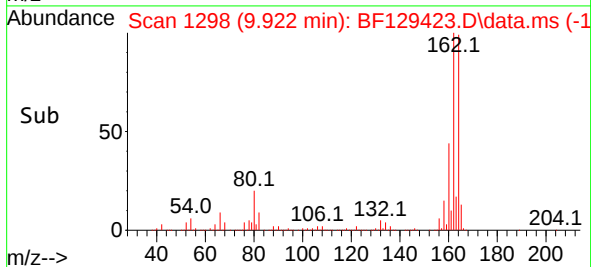
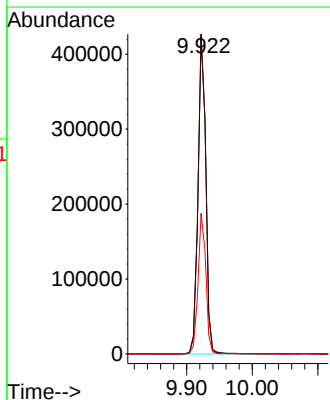
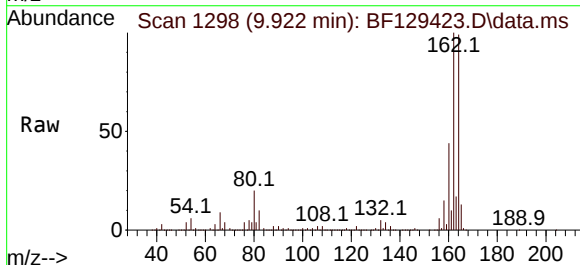
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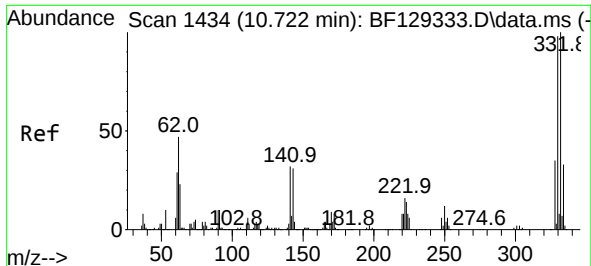
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

Tgt Ion:164 Resp: 348388
Ion Ratio Lower Upper
164 100
162 100.9 79.5 119.3
160 44.3 34.2 51.4





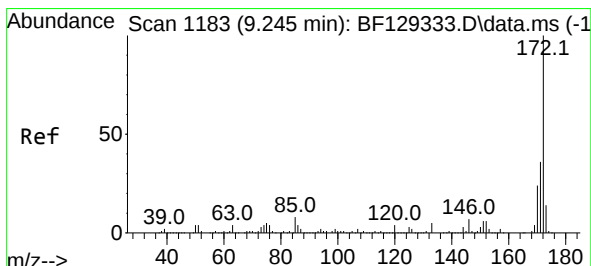
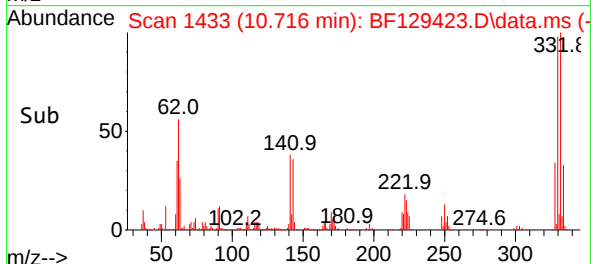
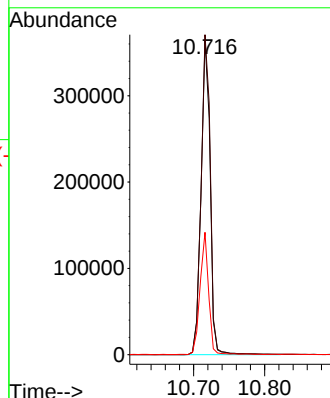
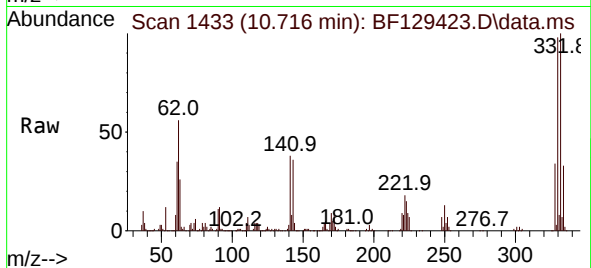
#42
2,4,6-Tribromophenol
Concen: 97.154 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

Instrument :
BNA_F
ClientSampleId :
RVE-18

Tgt Ion:330 Resp: 325418
Ion Ratio Lower Upper
330 100
332 103.2 76.8 115.2
141 36.6 28.0 42.0

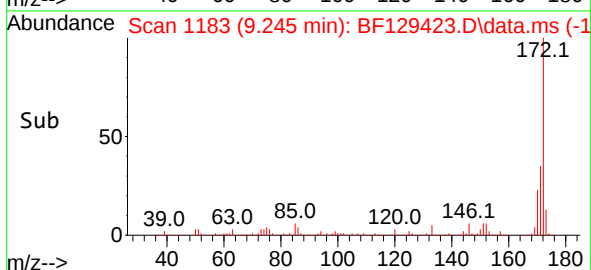
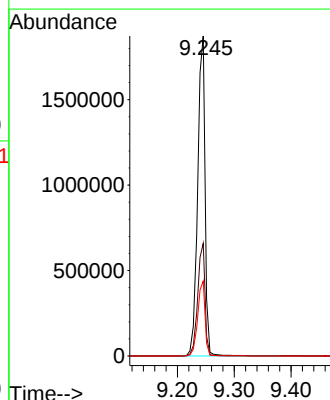
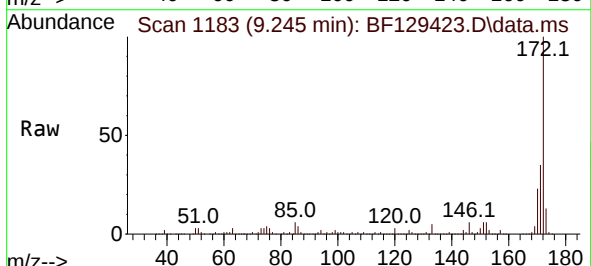
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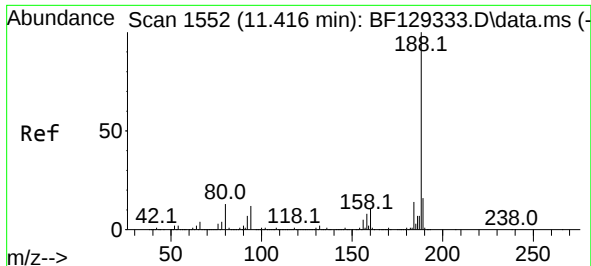
Reviewed By :Christian Giraldo 07/29/2022
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#45
2-Fluorobiphenyl
Concen: 76.036 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

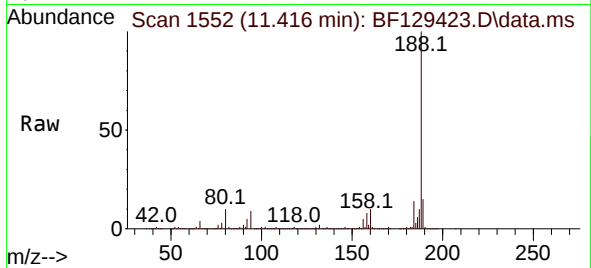
Tgt Ion:172 Resp: 1712397
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.4 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

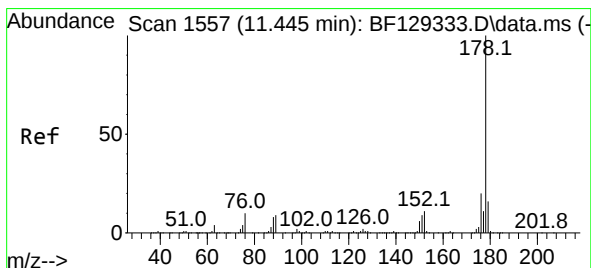
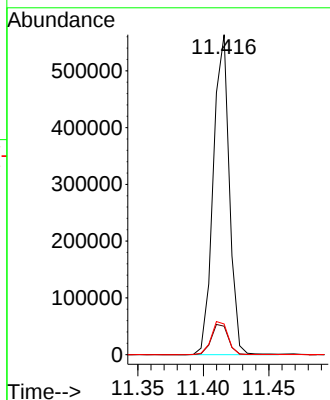
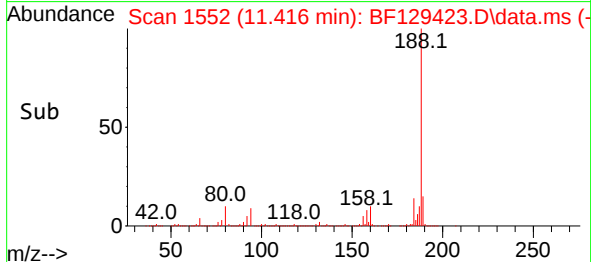
Instrument :
BNA_F
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RVE-18



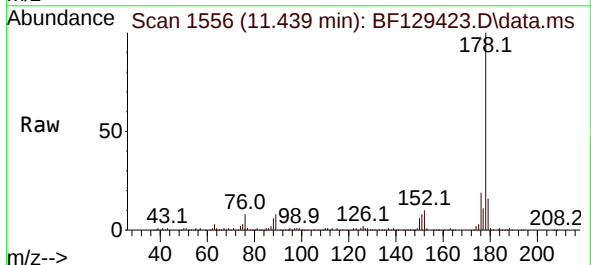
Tgt Ion:188 Resp: 47948
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.6 7.6 11.4

Manual Integrations
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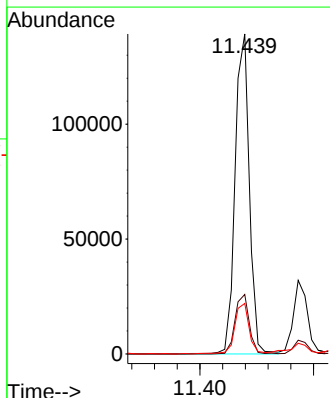
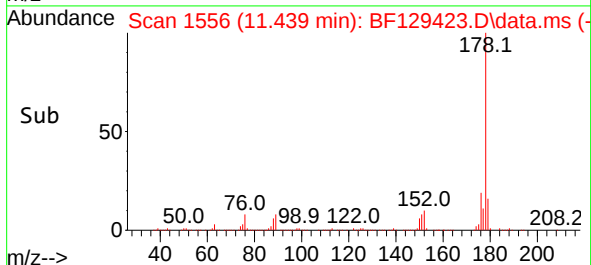
Reviewed By :Christian Giraldo 07/29/2022
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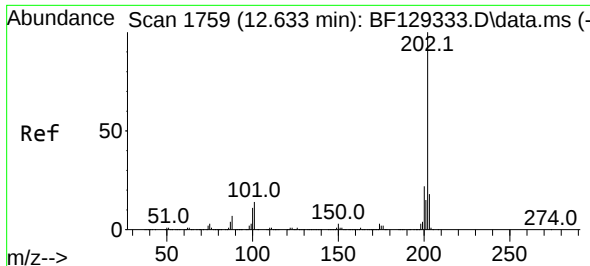


#71
Phenanthrene
Concen: 4.617 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03



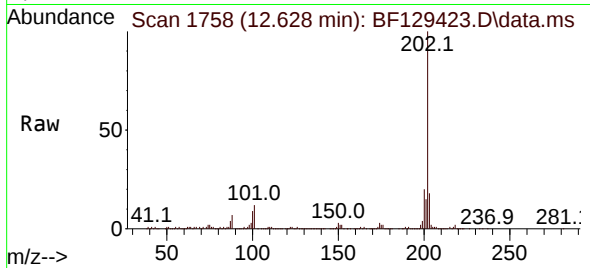
Tgt Ion:178 Resp: 120843
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.8 12.6 19.0





#75
Fluoranthene
Concen: 6.673 ng
RT: 12.628 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

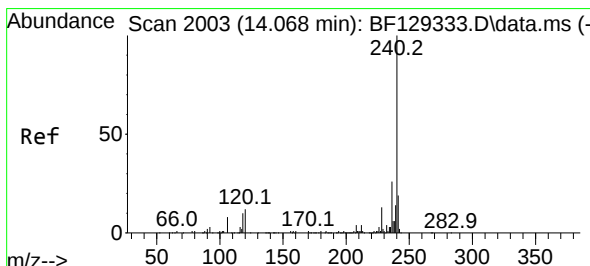
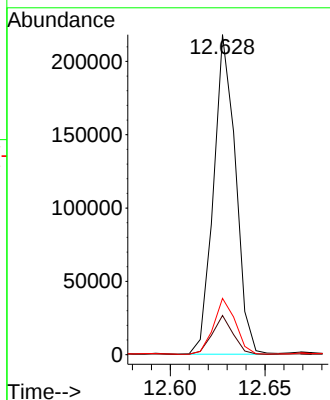
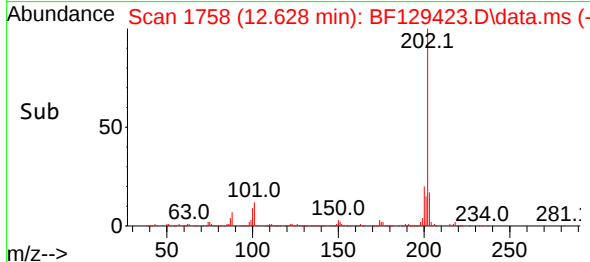
Instrument :
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RVE-18



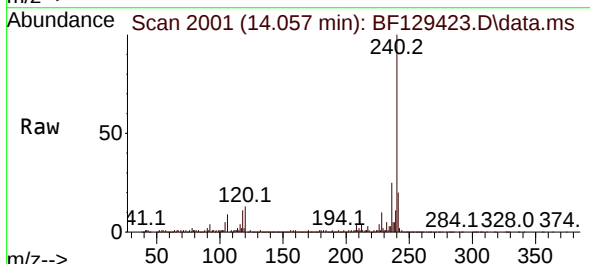
Tgt Ion:202 Resp: 17695
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.4
203 17.6 0.0 38.0

Manual Integrations
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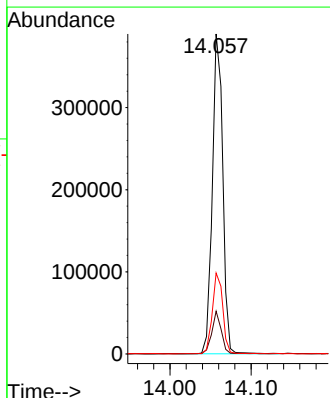
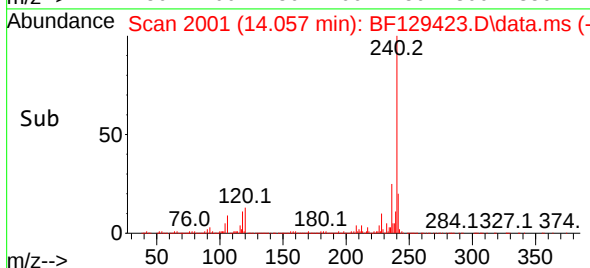
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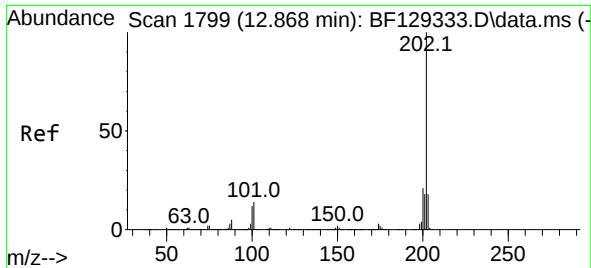


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03



Tgt Ion:240 Resp: 345625
Ion Ratio Lower Upper
240 100
120 13.3 8.9 13.3#
236 25.3 20.8 31.2





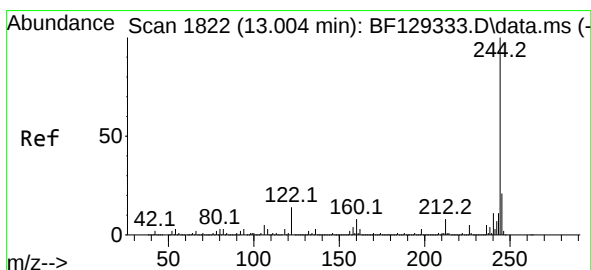
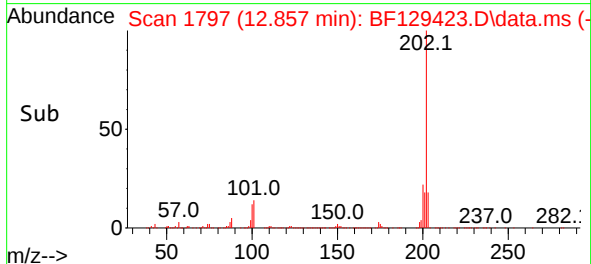
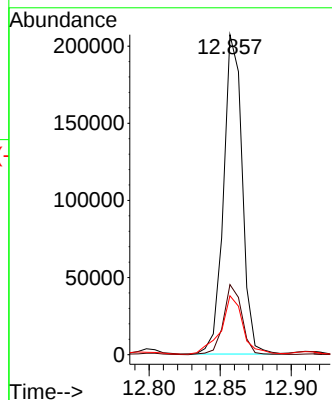
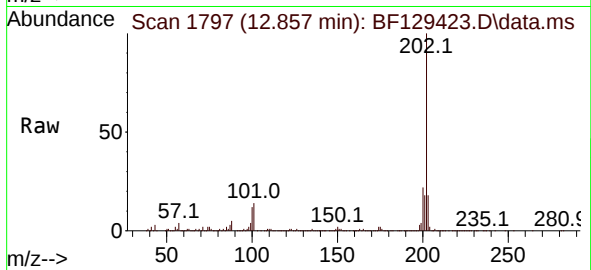
#78
Pyrene
Concen: 6.530 ng
RT: 12.857 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

Instrument :
BNA_F
ClientSampleId :
RVE-18

Tgt Ion:202 Resp: 188720
Ion Ratio Lower Upper
202 100
200 21.9 17.7 26.5
203 18.4 14.6 21.8

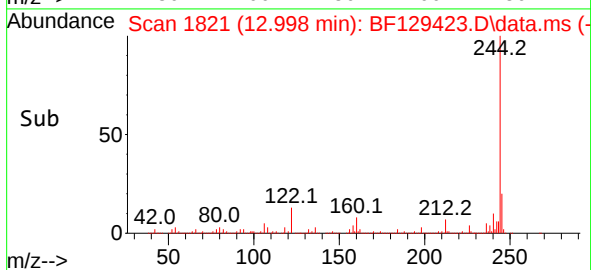
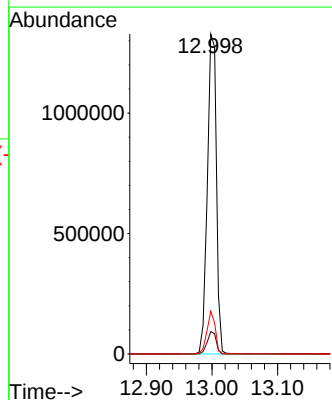
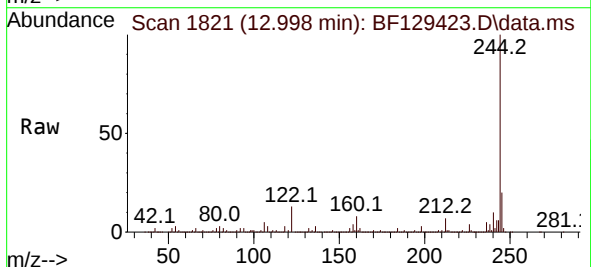
Manual Integrations
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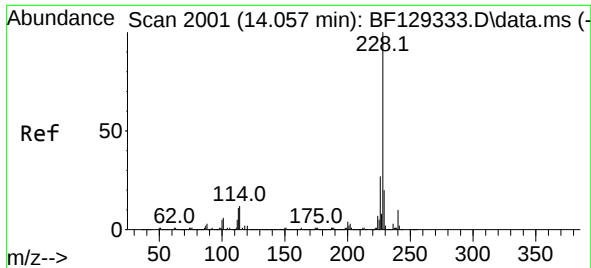
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#79
Terphenyl-d14
Concen: 69.949 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

Tgt Ion:244 Resp: 1281473
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 13.3 8.8 13.2#





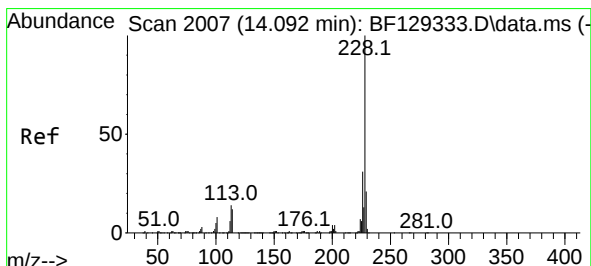
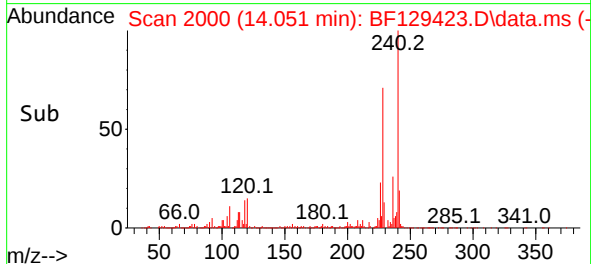
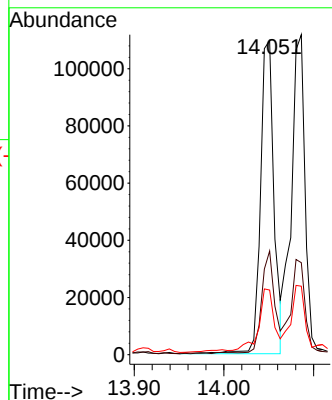
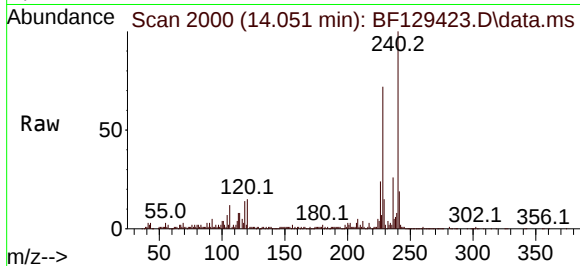
#81
Benzo(a)anthracene
Concen: 4.850 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

Instrument :
BNA_F
ClientSampleId :
RVE-18

Tgt Ion:228 Resp: 11450
Ion Ratio Lower Upper
228 100
226 33.0 22.1 33.1
229 20.6 15.8 23.8

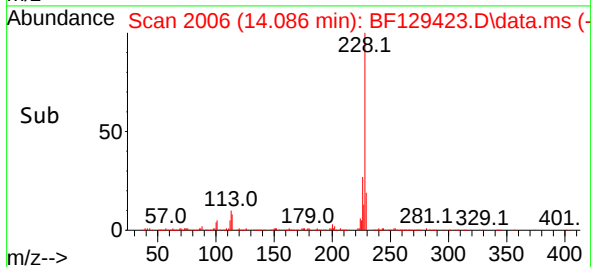
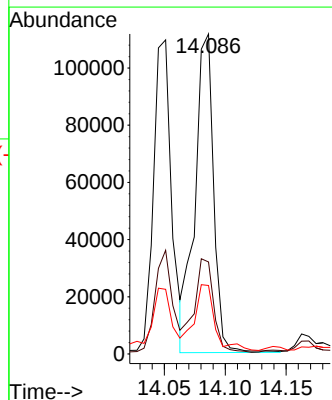
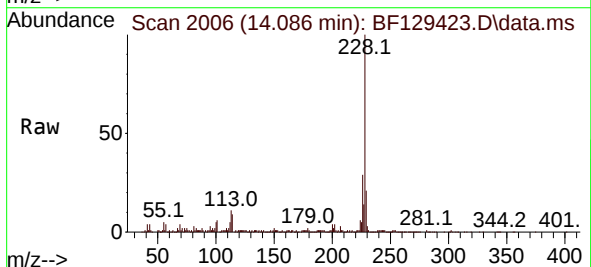
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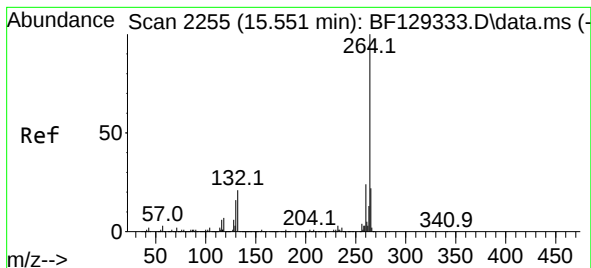
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022



#83
Chrysene
Concen: 5.343 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

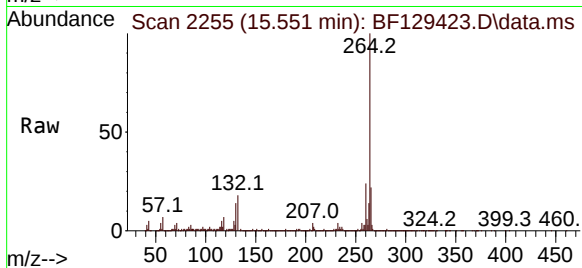
Tgt Ion:228 Resp: 118890
Ion Ratio Lower Upper
228 100
226 28.7 24.3 36.5
229 21.4 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03

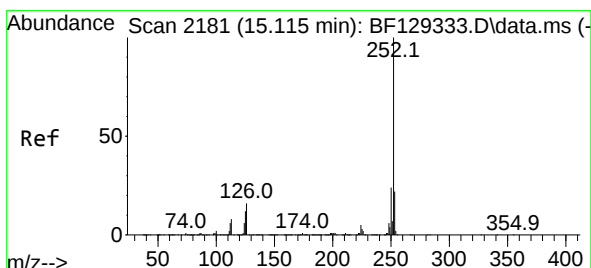
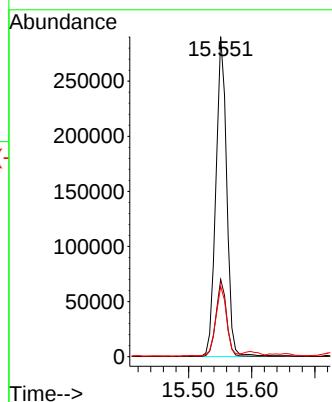
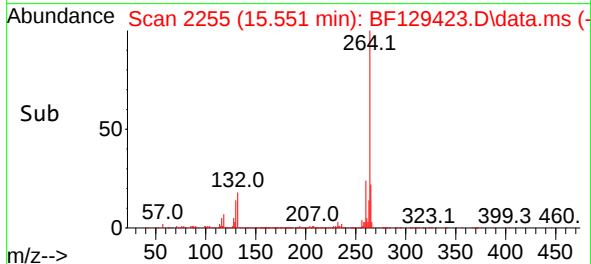
Instrument :
BNA_F
ClientSampleId :
RVE-18



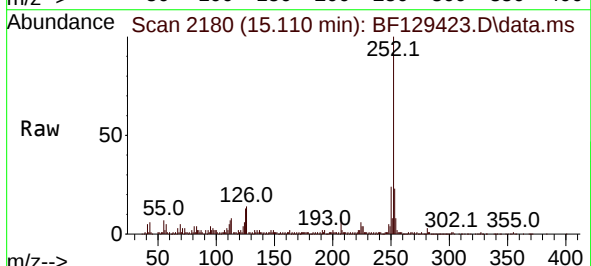
Tgt Ion:264 Resp: 345194
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 22.0 17.2 25.8

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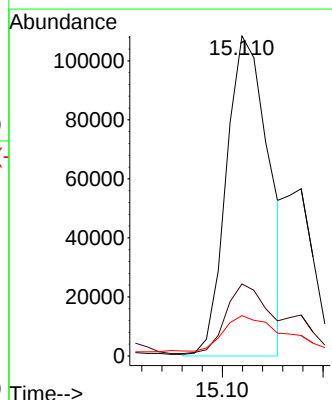
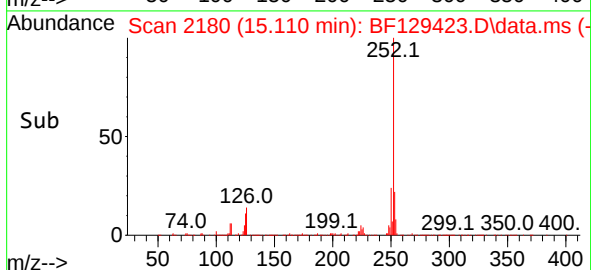
Reviewed By :Christian Giraldo 07/29/2022
Supervised By :Jagrut Upadhyay 07/29/2022

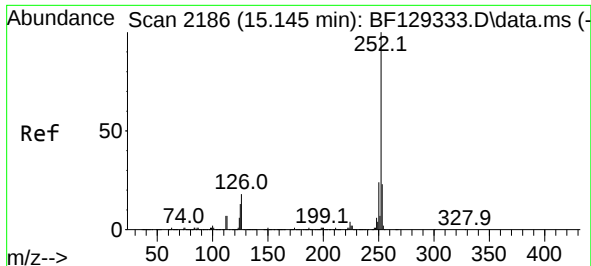


#88
Benzo(b)fluoranthene
Concen: 6.929 ng m
RT: 15.110 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF129423.D
Acq: 28 Jul 2022 23:03



Tgt Ion:252 Resp: 158660
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 12.6 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.514 ng m

RT: 15.139 min Scan# 2186

Delta R.T. -0.006 min

Lab File: BF129423.D

Acq: 28 Jul 2022 23:03

Instrument :

BNA_F

ClientSampleId :

RVE-18

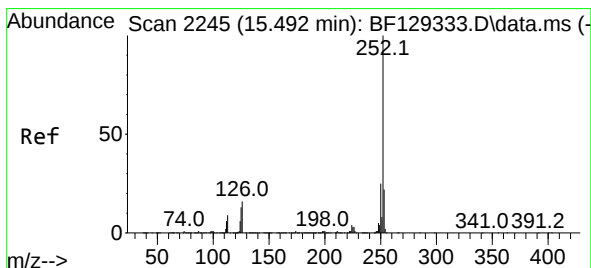
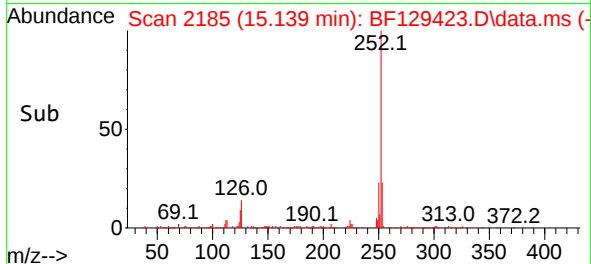
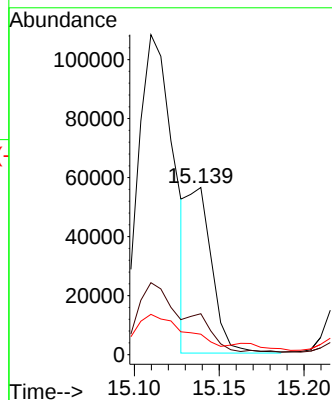
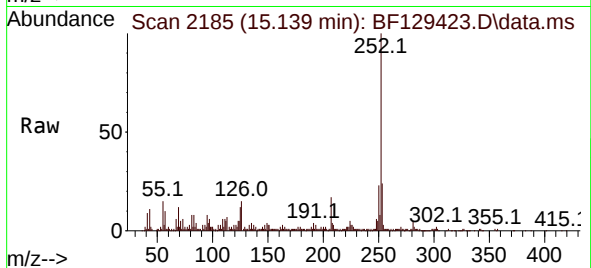
Tgt Ion:252	Resp:	5640
Ion Ratio	Lower	Upper
252	100	
253	24.5	17.8 26.6
125	12.2	8.3 12.5

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: 6.021 ng

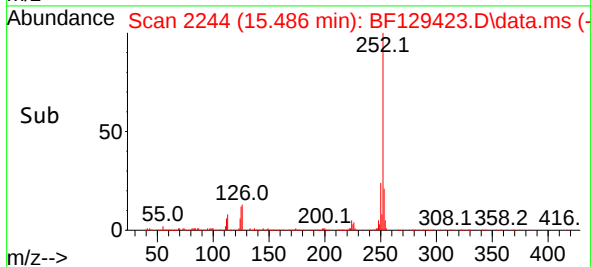
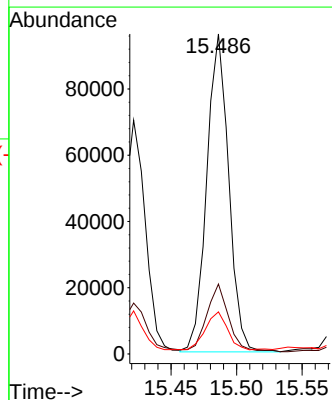
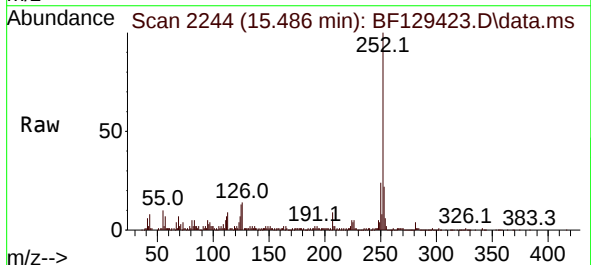
RT: 15.486 min Scan# 2244

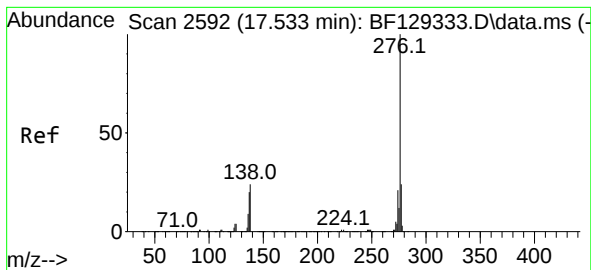
Delta R.T. -0.006 min

Lab File: BF129423.D

Acq: 28 Jul 2022 23:03

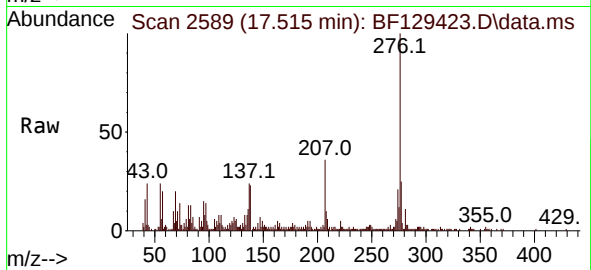
Tgt Ion:252	Resp:	111919
Ion Ratio	Lower	Upper
252	100	
253	21.9	17.0 25.6
125	13.1	8.8 13.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.249 ng
 RT: 17.515 min Scan# 21
 Delta R.T. -0.017 min
 Lab File: BF129423.D
 Acq: 28 Jul 2022 23:03

Instrument :
 BNA_F
 ClientSampleId :
 RVE-18



Tgt Ion: 276 Resp: 6280
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.1 28.7
 138 22.9 18.0 27.0

Manual Integrations
 APPROVED

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

