

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129550.D
 Acq On : 03 Aug 2022 20:31
 Operator : CG\JU
 Sample : N3930-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-112

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/04/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 04 02:20:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137255	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	493893	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	217250	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	304216	20.000	ng	0.00
76) Chrysene-d12	14.039	240	303202	20.000	ng	-0.01
86) Perylene-d12	15.527	264	316308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1029752	122.215	ng	0.00
7) Phenol-d6	6.516	99	1232952	116.419	ng	0.00
23) Nitrobenzene-d5	7.434	82	778945	86.095	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	224044	107.265	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1275425	90.818	ng	0.00
79) Terphenyl-d14	12.980	244	1083436	67.413	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	89696	5.401	ng	99
75) Fluoranthene	12.610	202	260879	15.505	ng	97
78) Pyrene	12.839	202	244885	9.658	ng	98
81) Benzo(a)anthracene	14.033	228	154297	7.450	ng	98
83) Chrysene	14.069	228	147109	7.536	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	85081	3.994	ng	95
88) Benzo(b)fluoranthene	15.092	252	246574m	11.752	ng	
89) Benzo(k)fluoranthene	15.116	252	63470m	3.087	ng	
90) Benzo(a)pyrene	15.463	252	155727	9.143	ng	96
92) Benzo(g,h,i)perylene	17.480	276	76384	4.312	ng	98

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

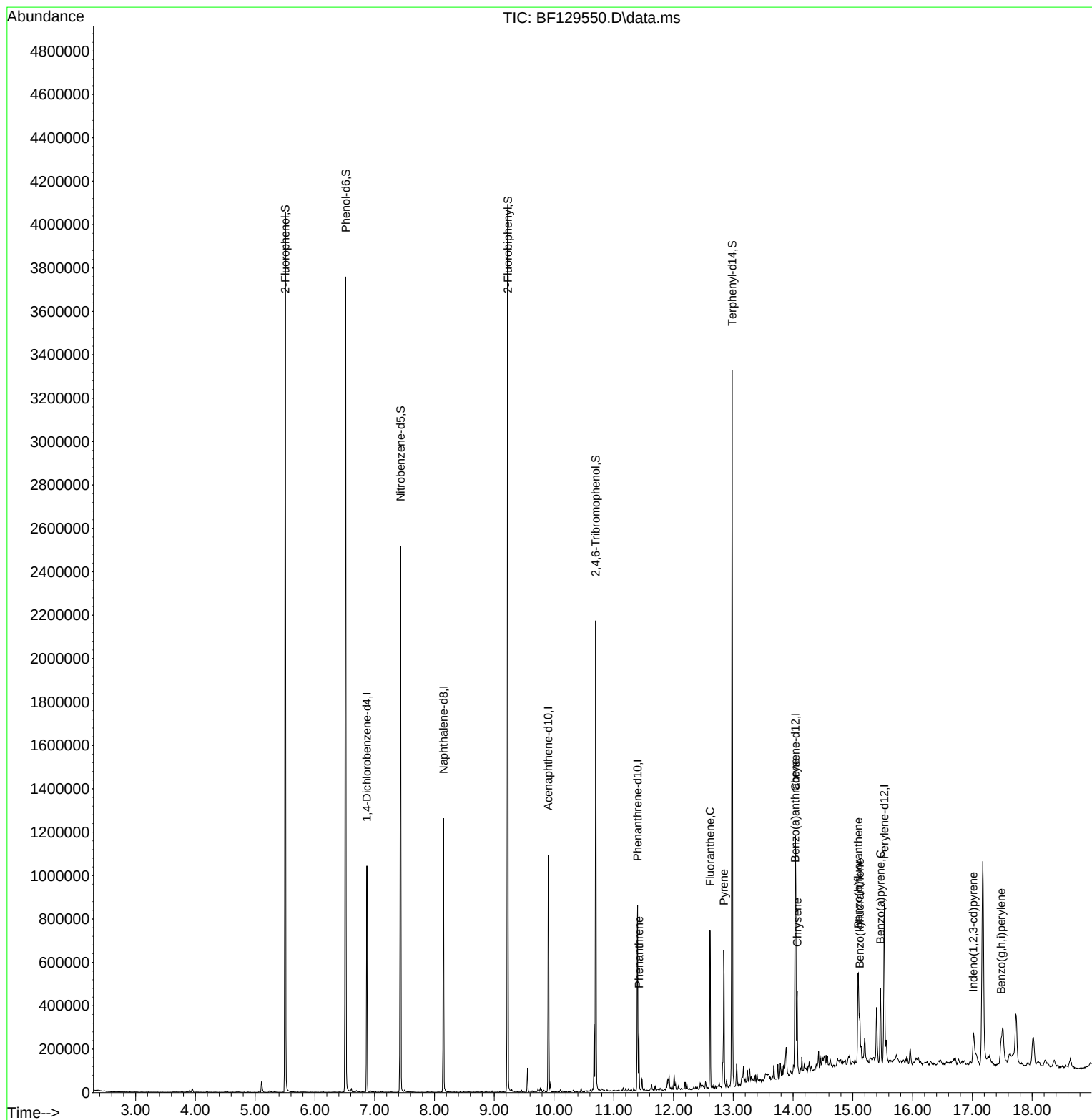
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129550.D
Acq On : 03 Aug 2022 20:31
Operator : CG\JU
Sample : N3930-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

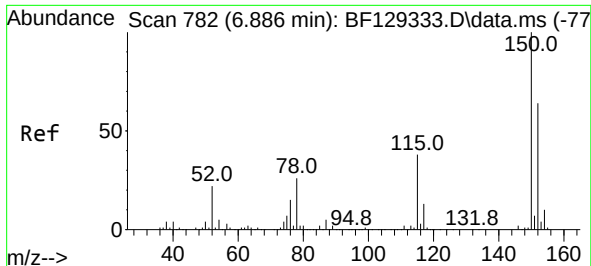
Instrument :
BNA_F
ClientSampleId :
RVE-112

Quant Time: Aug 04 02:20:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 01:11:25 2022
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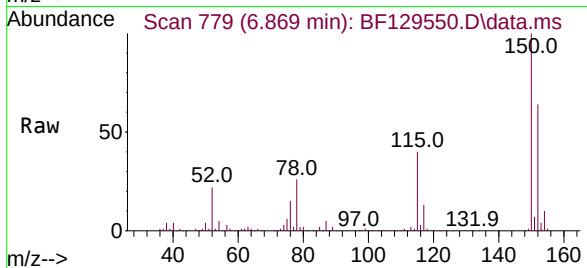
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

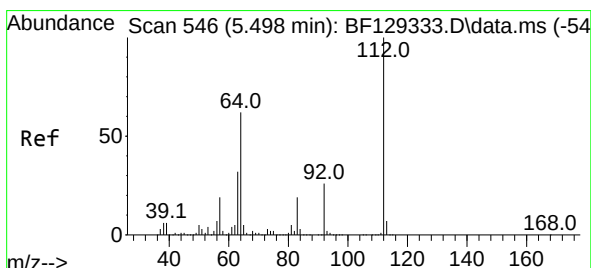
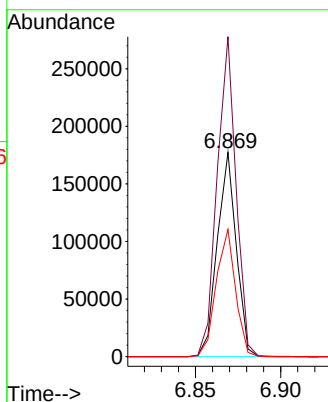
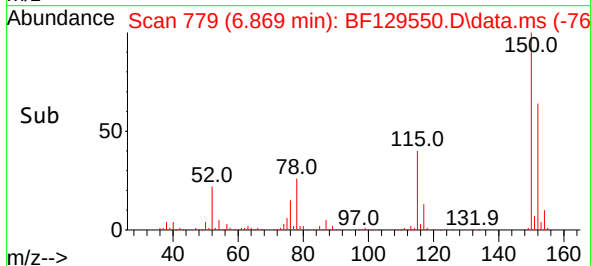
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion:152 Resp: 13725
Ion Ratio Lower Upper
152 100
150 156.7 123.7 185.5
115 62.3 49.9 74.9

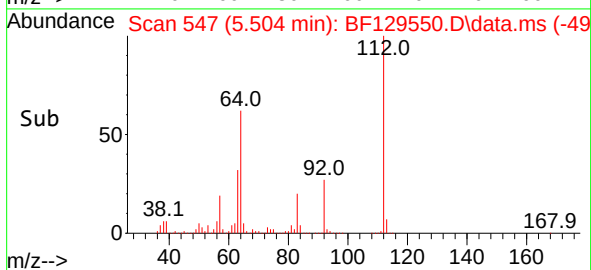
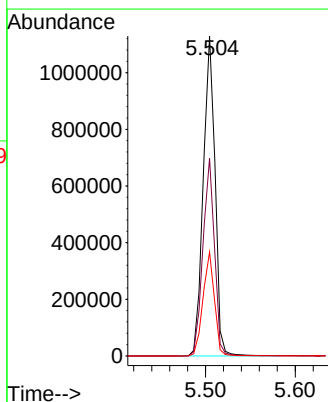
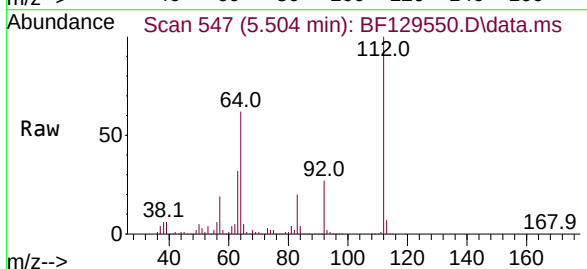
Manual Integrations
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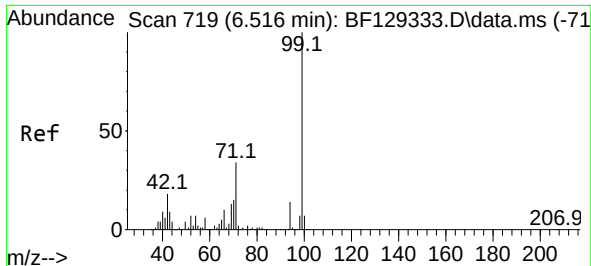
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 122.215 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.000 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

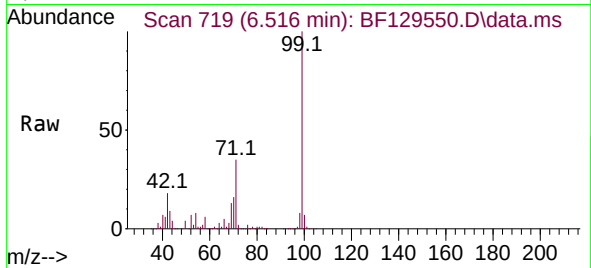
Tgt Ion:112 Resp: 1029752
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 32.4 28.0 42.0





#7
Phenol-d6
Concen: 116.419 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

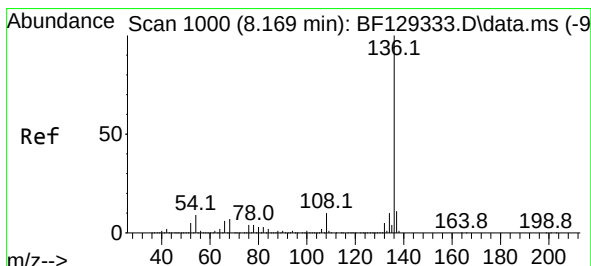
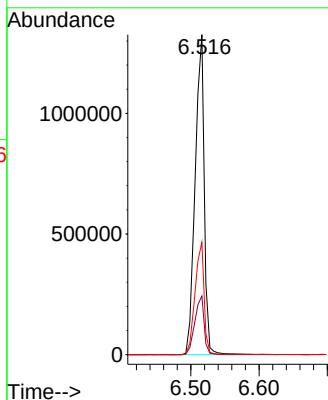
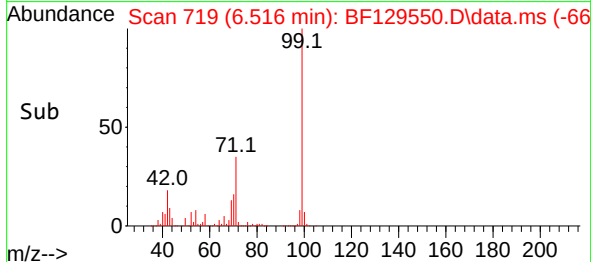
Instrument :
BNA_F
ClientSampleId :
RVE-112



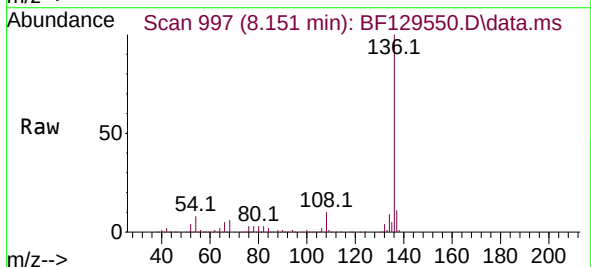
Tgt Ion: 99 Resp: 1232952
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.1 28.9 43.3

Manual Integrations
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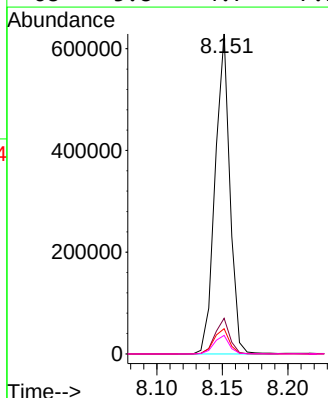
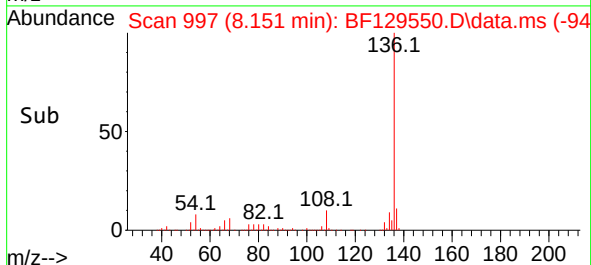
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

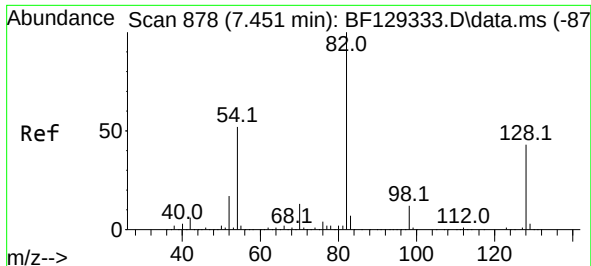


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31



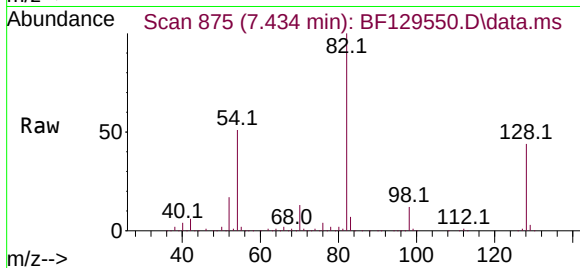
Tgt Ion:136 Resp: 493893
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 7.5 11.3
68 5.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 86.095 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

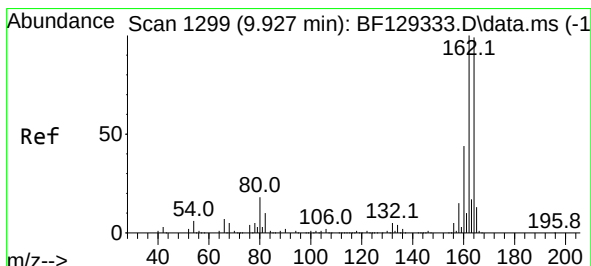
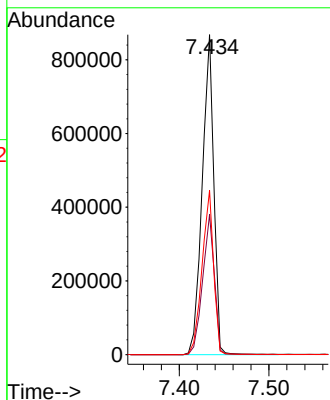
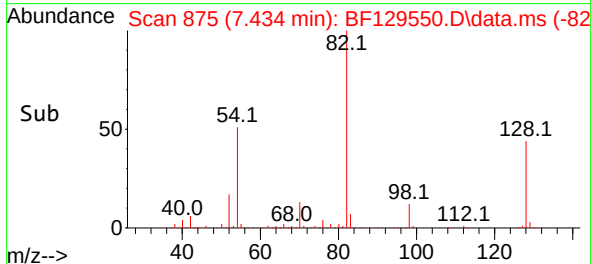
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion: 82 Resp: 778945
Ion Ratio Lower Upper
82 100
128 43.8 34.0 51.0
54 51.3 46.9 70.3

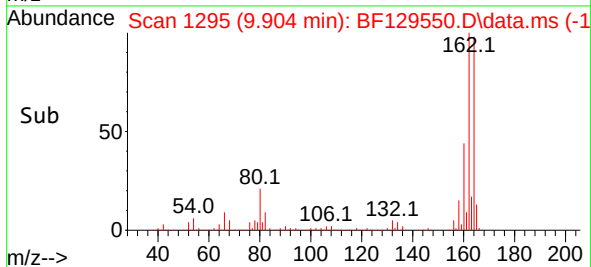
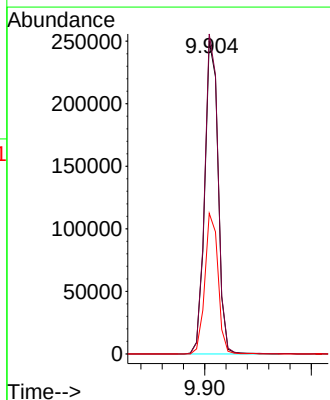
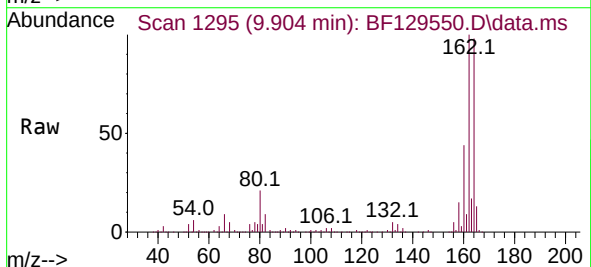
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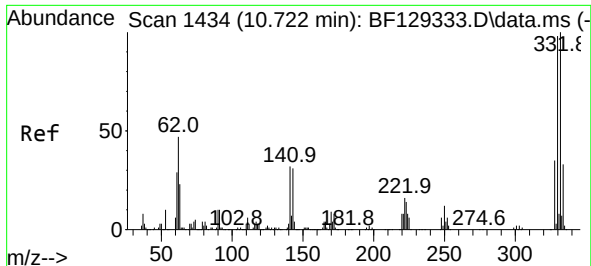
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

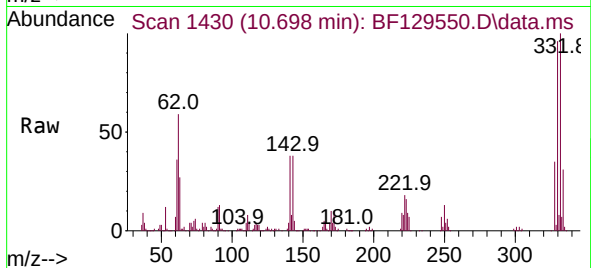
Tgt Ion:164 Resp: 217250
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.9 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 107.265 ng
RT: 10.698 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

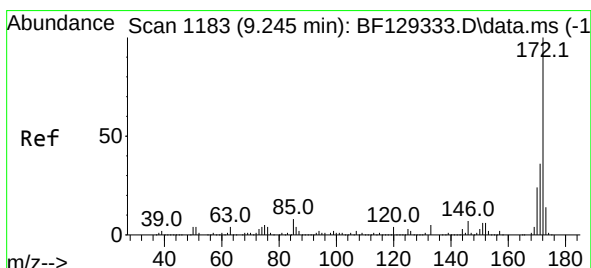
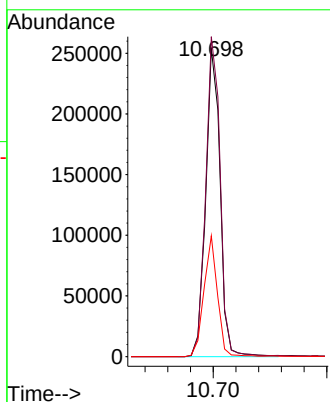
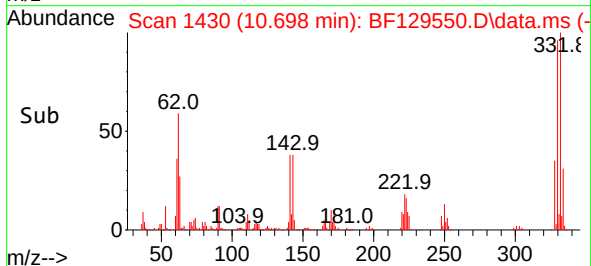
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion: 330 Resp: 224044
Ion Ratio Lower Upper
330 100
332 105.1 76.8 115.2
141 36.7 28.0 42.0

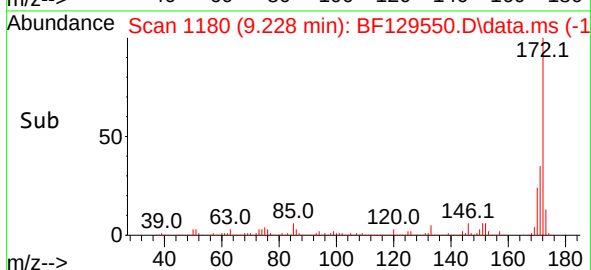
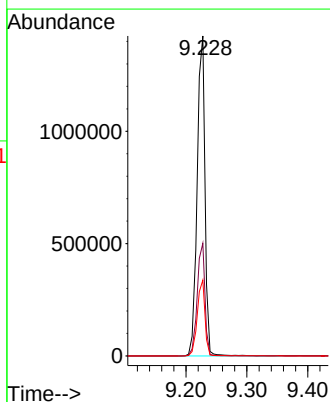
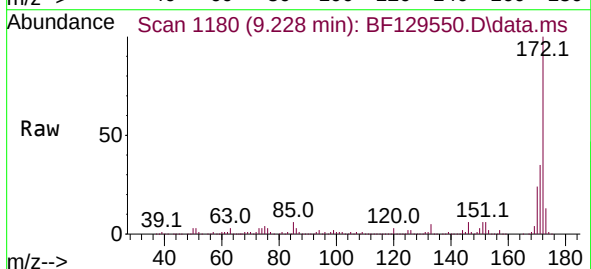
Manual Integrations
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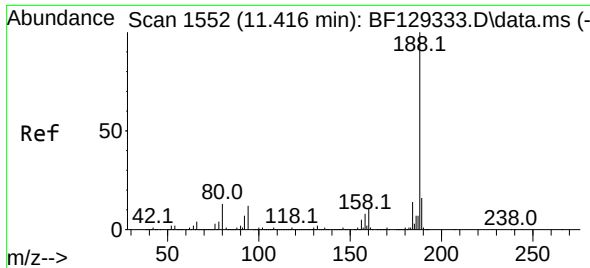
Reviewed By : Christian Giraldo 08/04/2022
Supervised By : Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 90.818 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

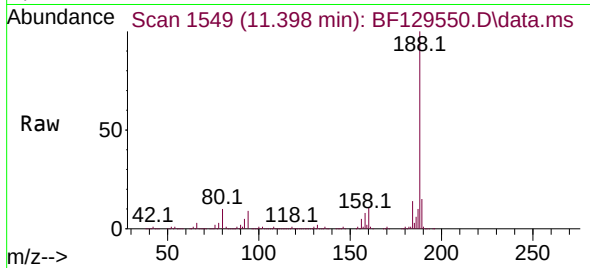
Tgt Ion: 172 Resp: 1275425
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.7 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

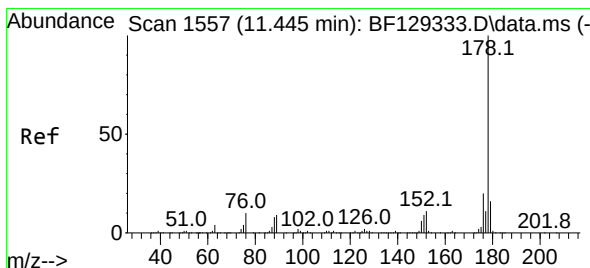
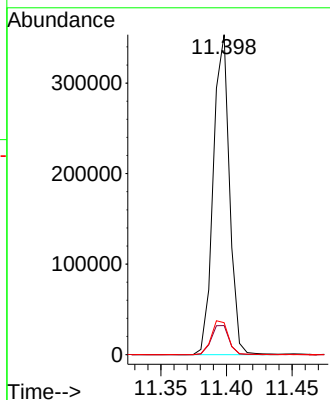
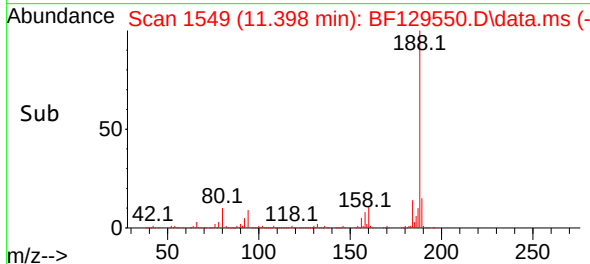
Instrument :
BNA_F
ClientSampleId :
RVE-112



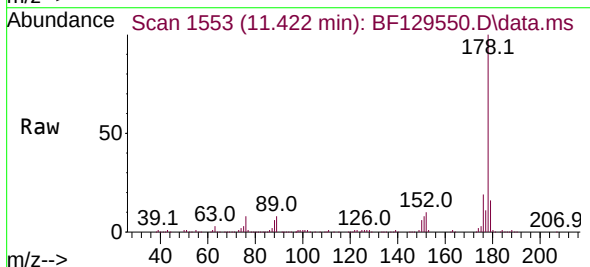
Tgt Ion:188 Resp: 304216
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 10.0 7.6 11.4

Manual Integrations
APPROVED

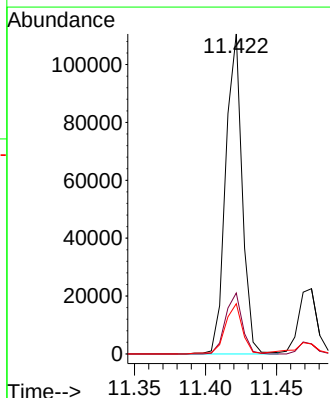
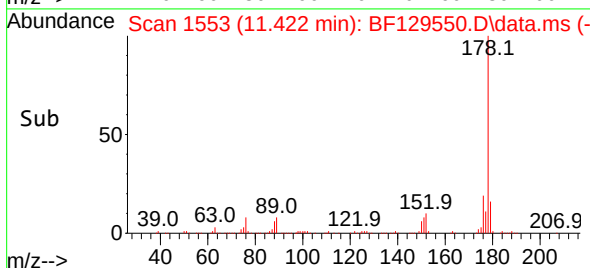
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022

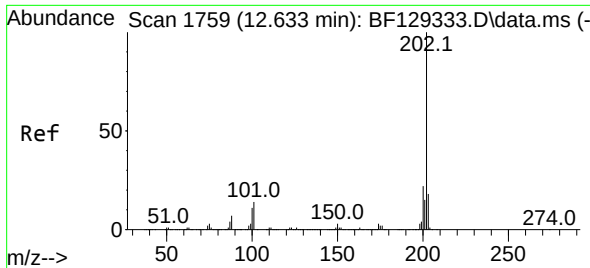


#71
Phenanthrene
Concen: 5.401 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31



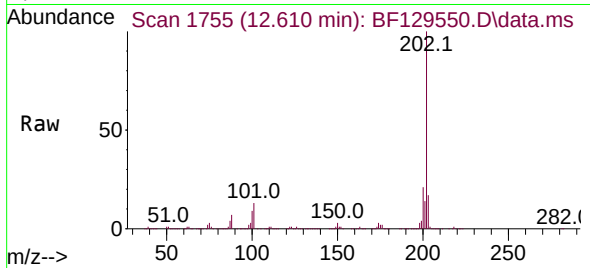
Tgt Ion:178 Resp: 89696
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.7 12.6 19.0





#75
Fluoranthene
Concen: 15.505 ng
RT: 12.610 min Scan# 1755
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

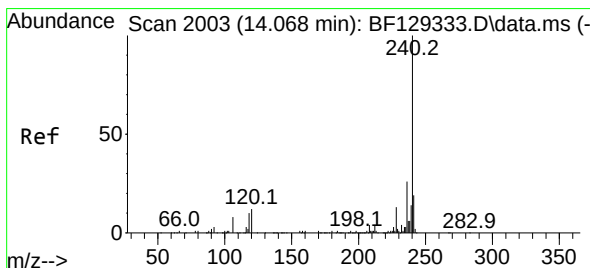
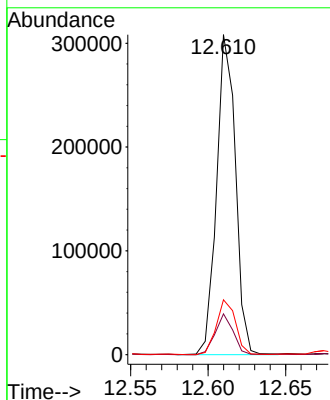
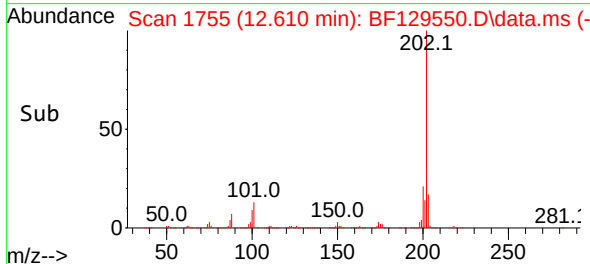
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion:202 Resp: 260879
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.4
203 17.1 0.0 38.0

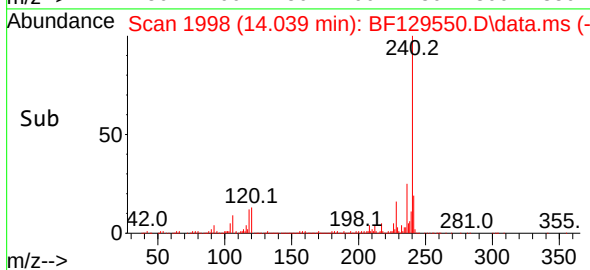
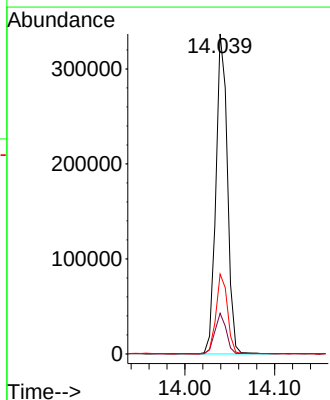
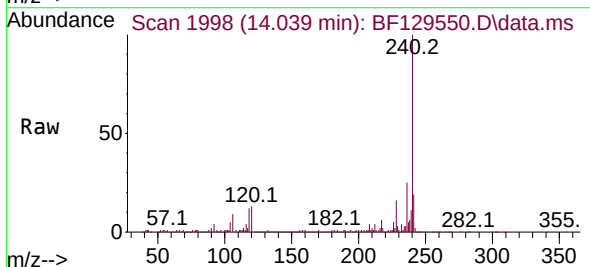
Manual Integrations
APPROVED

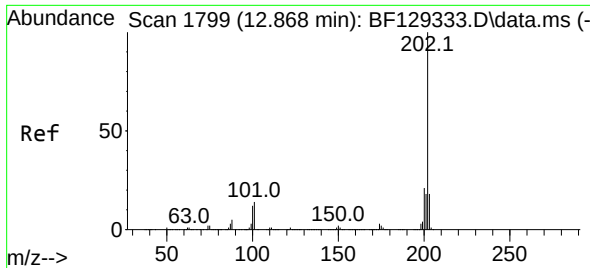
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

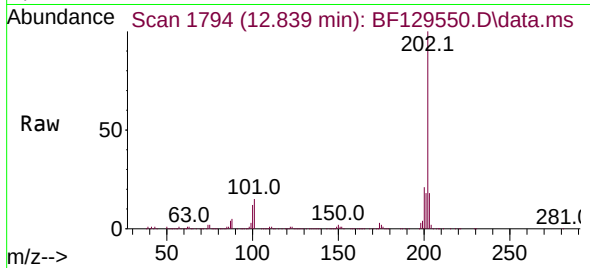
Tgt Ion:240 Resp: 303202
Ion Ratio Lower Upper
240 100
120 12.7 8.9 13.3
236 24.9 20.8 31.2





#78
Pyrene
Concen: 9.658 ng
RT: 12.839 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

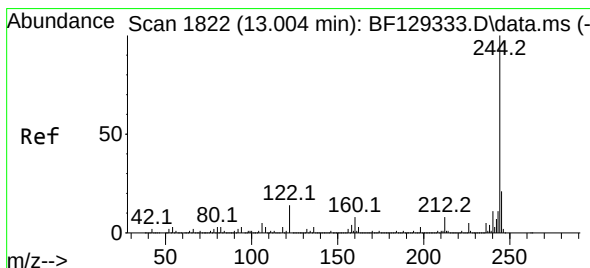
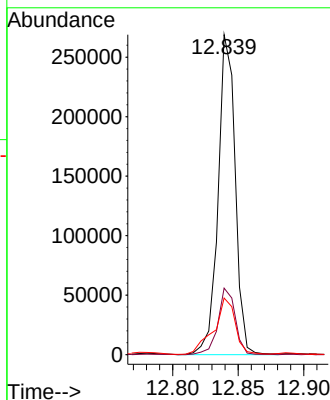
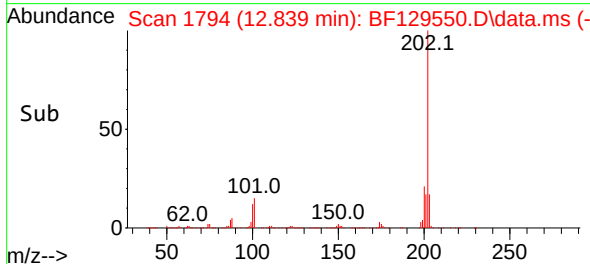
Instrument :
BNA_F
ClientSampleId :
RVE-112



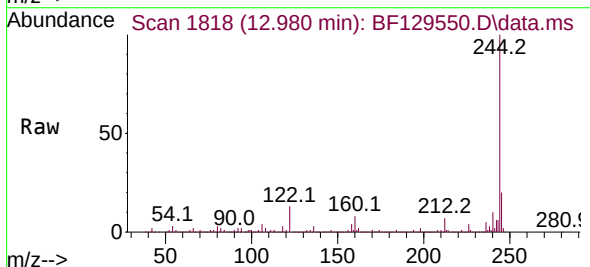
Tgt Ion:202 Resp: 244885
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.7 14.6 21.8

Manual Integrations
APPROVED

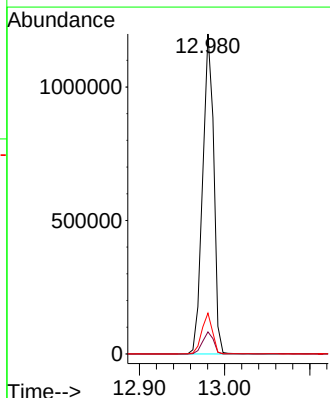
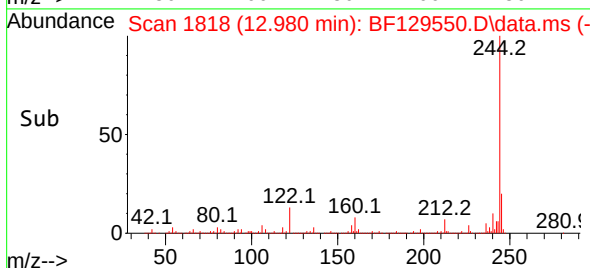
Reviewed By :Christian Giraldo 08/04/2022
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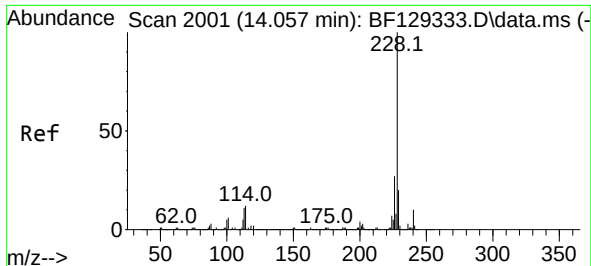


#79
Terphenyl-d14
Concen: 67.413 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31



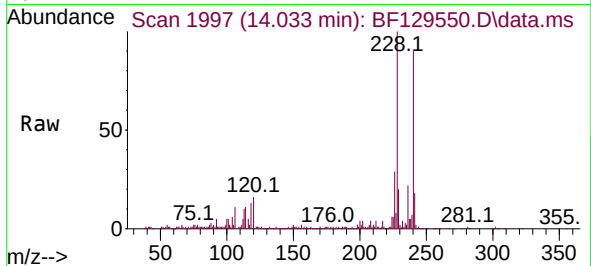
Tgt Ion:244 Resp: 1083436
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 12.7 8.8 13.2





#81
Benzo(a)anthracene
Concen: 7.450 ng
RT: 14.033 min Scan# 19
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

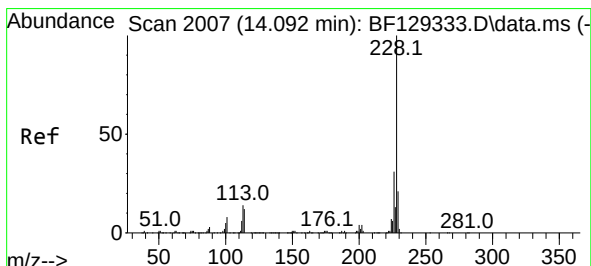
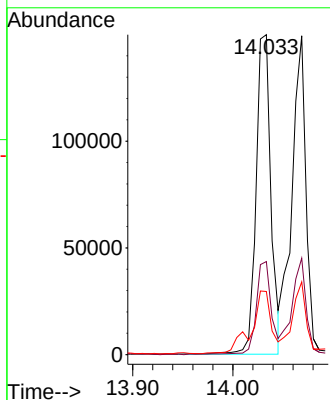
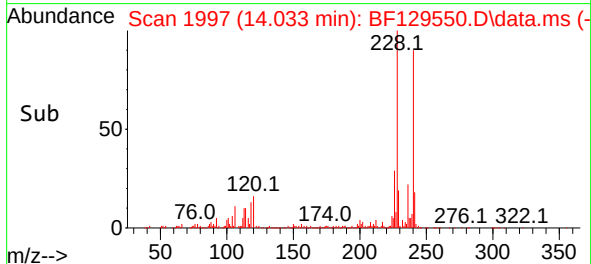
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion:228 Resp: 154297
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 19.7 15.8 23.8

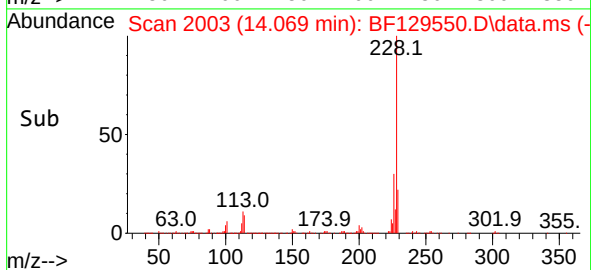
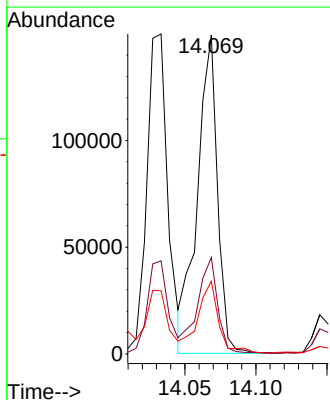
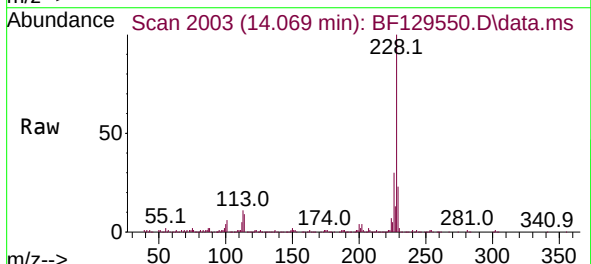
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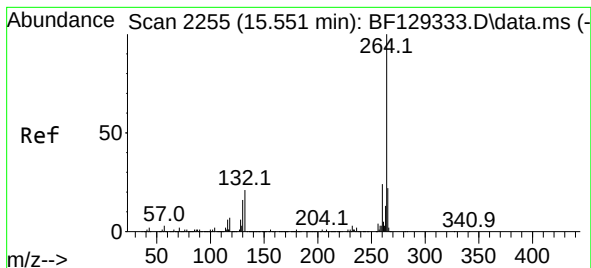
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#83
Chrysene
Concen: 7.536 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

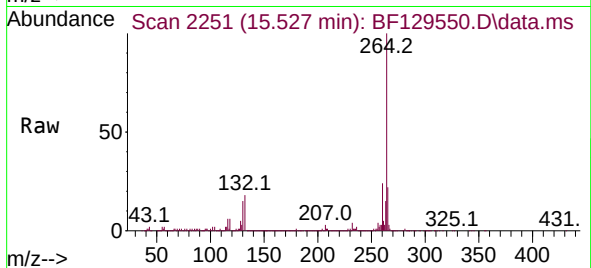
Tgt Ion:228 Resp: 147109
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.8 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2255
 Delta R.T. 0.000 min
 Lab File: BF129550.D
 Acq: 03 Aug 2022 20:31

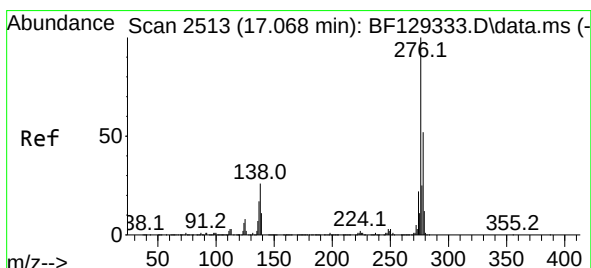
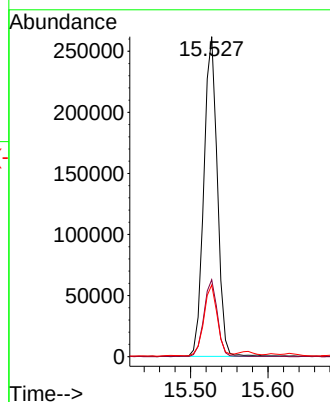
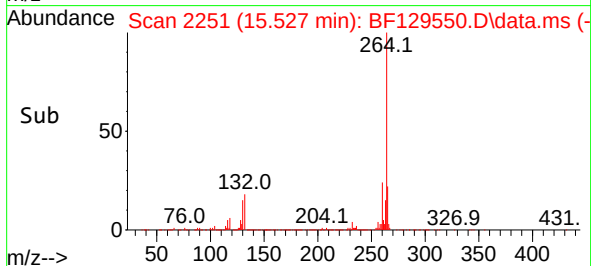
Instrument :
 BNA_F
 ClientSampleId :
 RVE-112



Tgt Ion:264 Resp: 316308
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 22.4 17.2 25.8

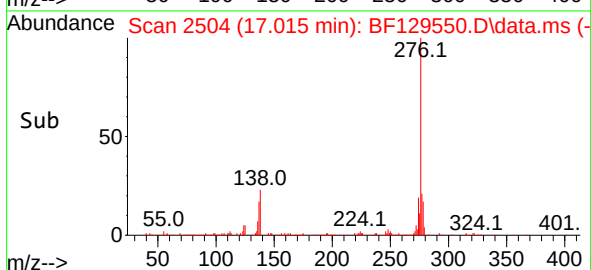
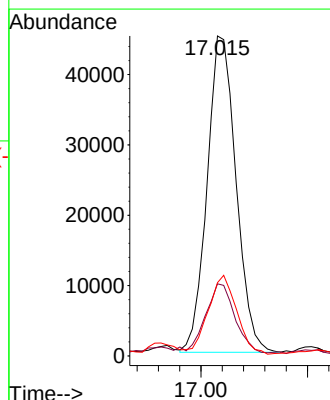
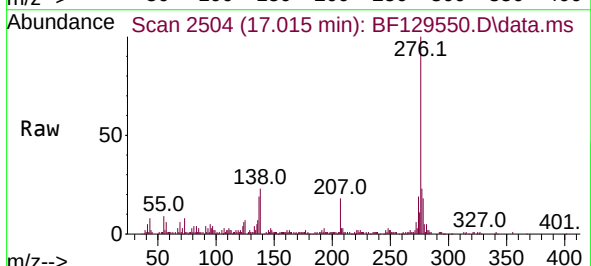
Manual Integrations
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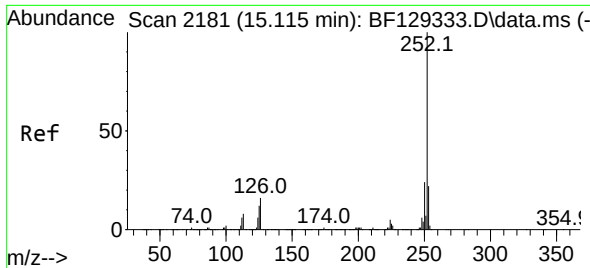
Reviewed By :Christian Giraldo 08/04/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.994 ng
 RT: 17.015 min Scan# 2504
 Delta R.T. -0.018 min
 Lab File: BF129550.D
 Acq: 03 Aug 2022 20:31

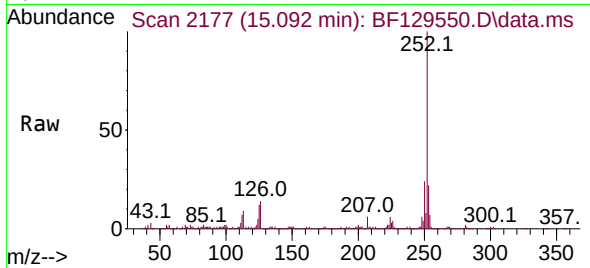
Tgt Ion:276 Resp: 85081
 Ion Ratio Lower Upper
 276 100
 138 22.6 21.1 31.7
 277 24.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.752 ng m
RT: 15.092 min Scan# 2177
Delta R.T. 0.000 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

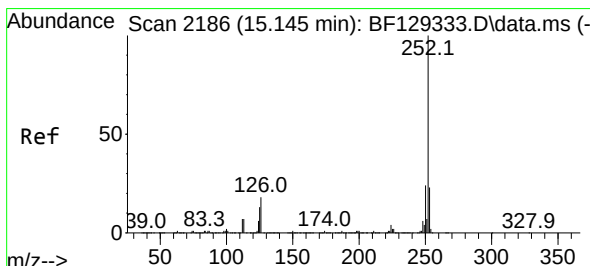
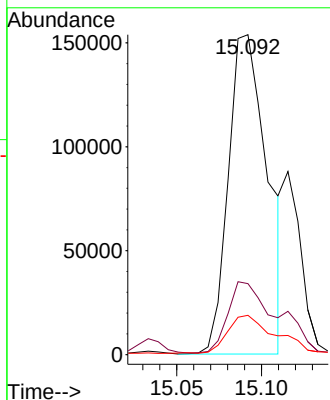
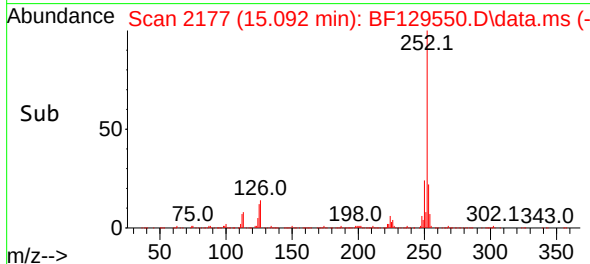
Instrument :
BNA_F
ClientSampleId :
RVE-112



Tgt Ion:252 Resp: 246574
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 12.3 8.0 12.0

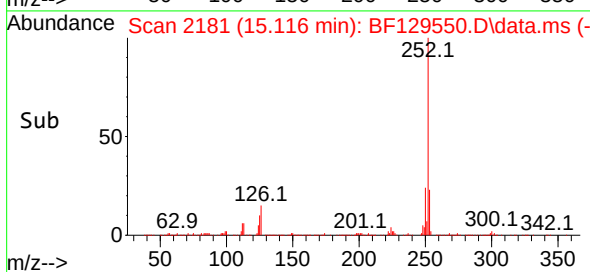
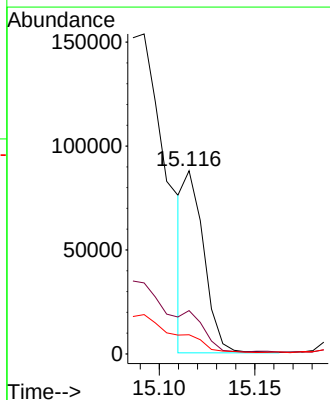
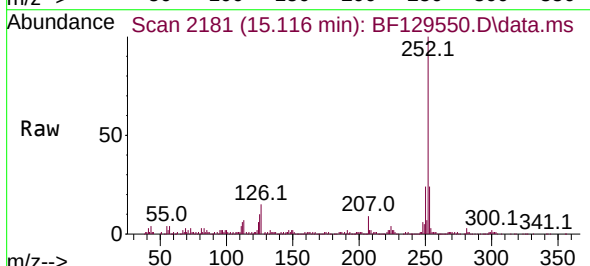
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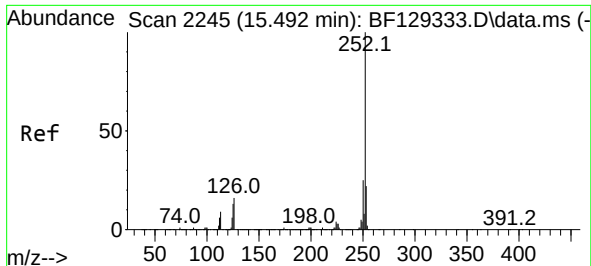
Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#89
Benzo(k)fluoranthene
Concen: 3.087 ng m
RT: 15.116 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

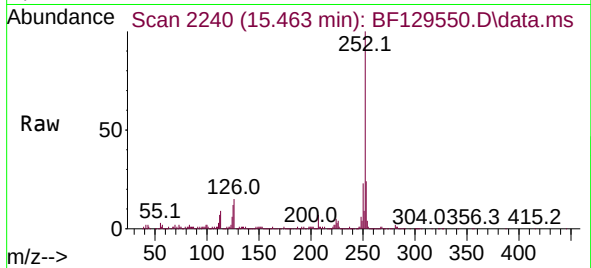
Tgt Ion:252 Resp: 63470
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 10.5 8.3 12.5





#90
Benzo(a)pyrene
Concen: 9.143 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

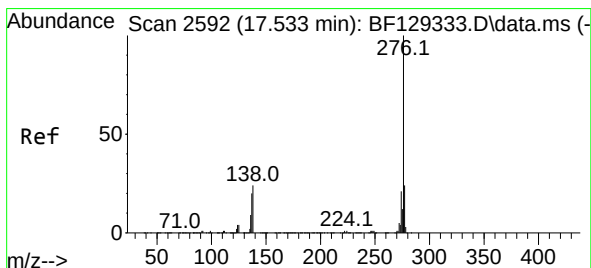
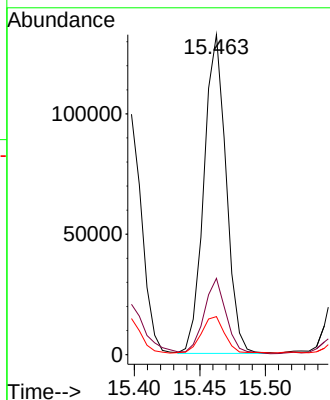
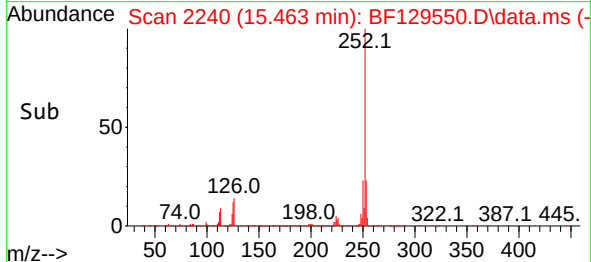
Instrument :
BNA_F
ClientSampleId :
RVE-112



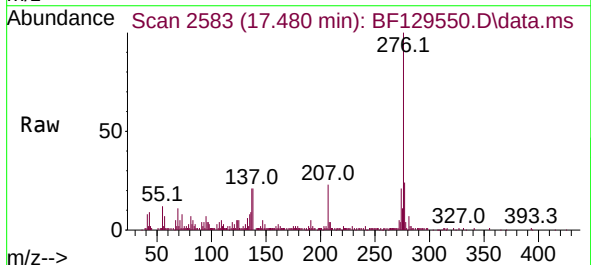
Tgt Ion:252 Resp: 15572
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.6
125 11.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 08/04/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#92
Benzo(g,h,i)perylene
Concen: 4.312 ng
RT: 17.480 min Scan# 2583
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31



Tgt Ion:276 Resp: 76384
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 20.8 18.0 27.0

