

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129647.D
 Acq On : 08 Aug 2022 23:57
 Operator : CG\JU
 Sample : N4089-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 00:38:27 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	6.839	152	156974	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	612575	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	301824	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	417177	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	280128	20.000	ng	-0.01
86) Perylene-d12	15.498	264	296354	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	988059	102.536	ng	0.00
7) Phenol-d6	6.492	99	1235551	102.009	ng	-0.01
23) Nitrobenzene-d5	7.404	82	798043	71.116	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	248535	85.648	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1437275	73.665	ng	-0.01
79) Terphenyl-d14	12.957	244	976110	65.738	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	151967	6.673	ng	98
72) Anthracene	11.445	178	65977	2.948	ng	97
75) Fluoranthene	12.586	202	386871	16.767	ng	99
78) Pyrene	12.816	202	472928	20.189	ng	97
81) Benzo(a)anthracene	14.010	228	331137	17.305	ng	96
83) Chrysene	14.045	228	372598	20.660	ng	98
84) Bis(2-ethylhexyl)phtha...	13.980	149	480059	35.888	ng	100
87) Indeno(1,2,3-cd)pyrene	16.974	276	164778	8.257	ng	94
88) Benzo(b)fluoranthene	15.062	252	671946m	34.182	ng	
89) Benzo(k)fluoranthene	15.086	252	196153m	10.182	ng	
90) Benzo(a)pyrene	15.433	252	315808	19.790	ng	97
91) Dibenzo(a,h)anthracene	16.980	278	48848	3.007	ng	# 95
92) Benzo(g,h,i)perylene	17.421	276	138153	8.324	ng	98

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

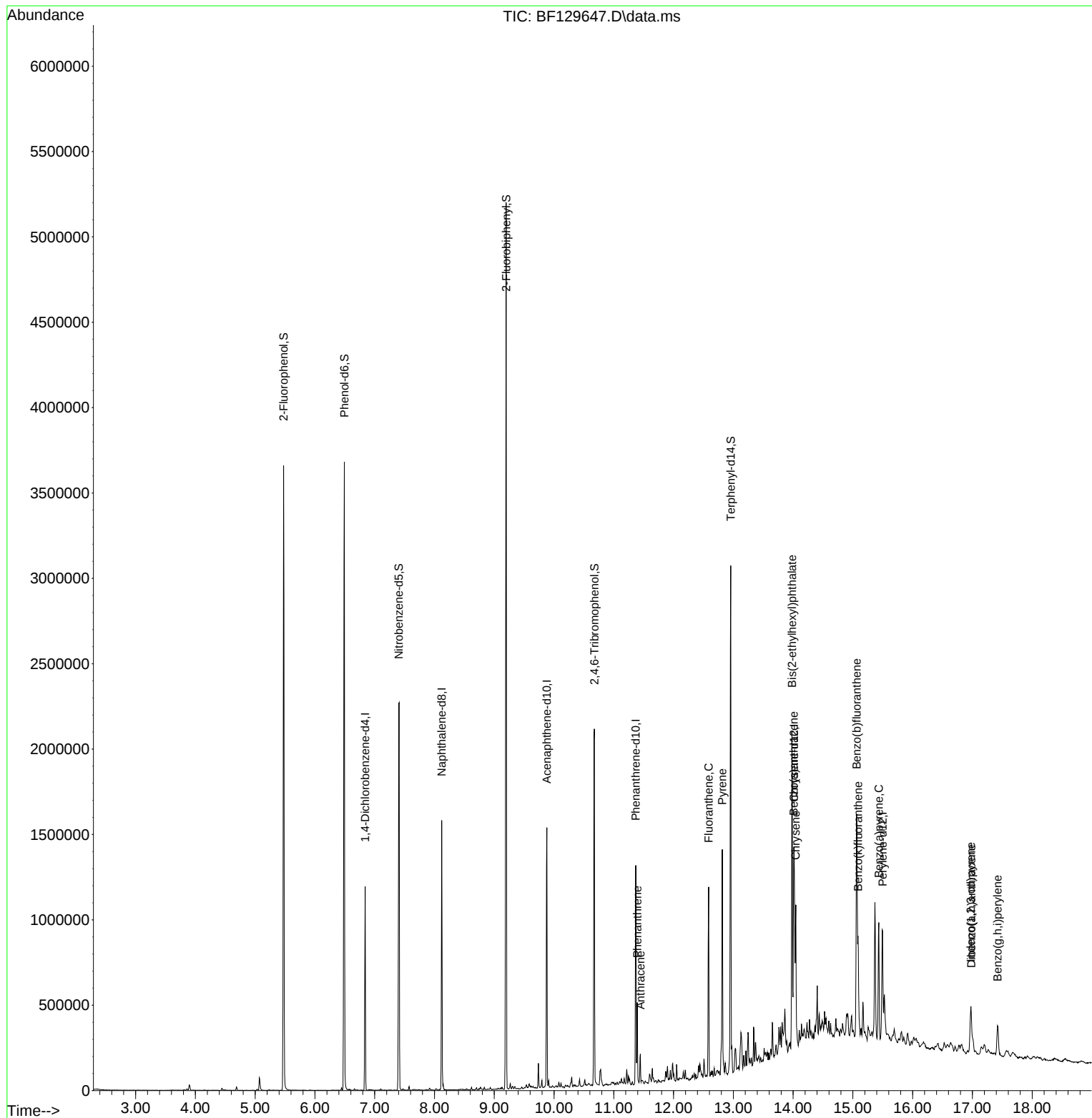
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129647.D
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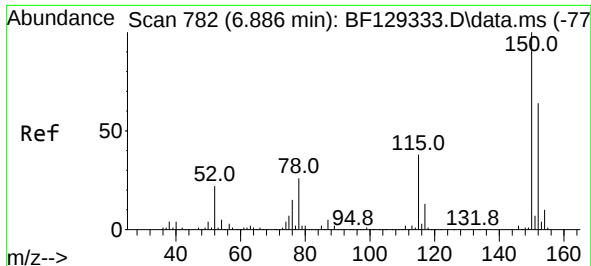
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Quant Time: Aug 09 00:38:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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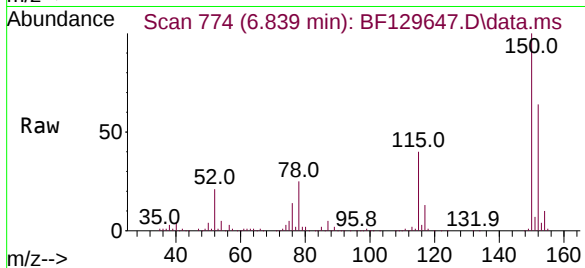
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

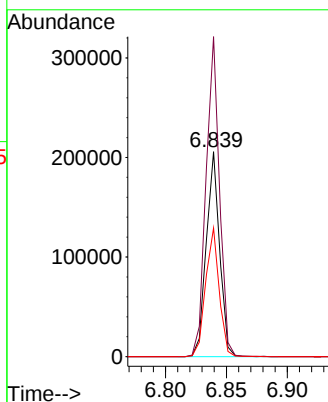
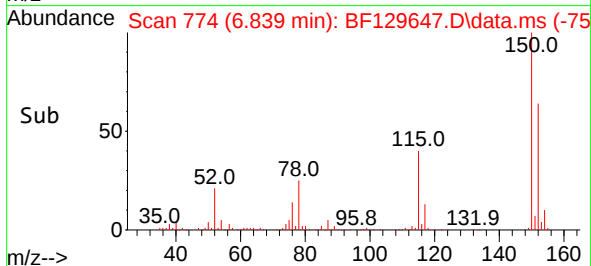
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:152 Resp: 156974
Ion Ratio Lower Upper
152 100
150 156.2 123.7 185.5
115 62.8 49.9 74.9

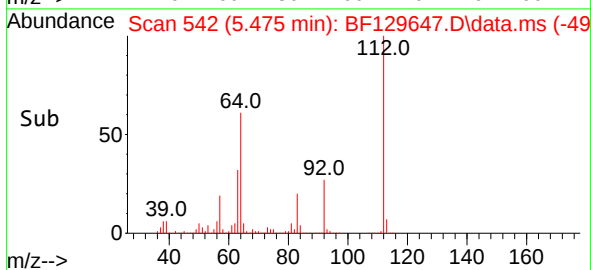
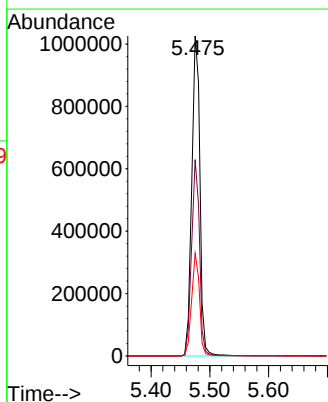
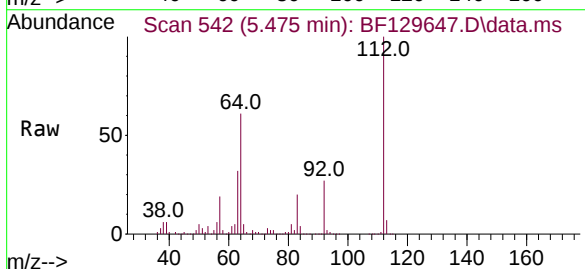
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#5
2-Fluorophenol
Concen: 102.536 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

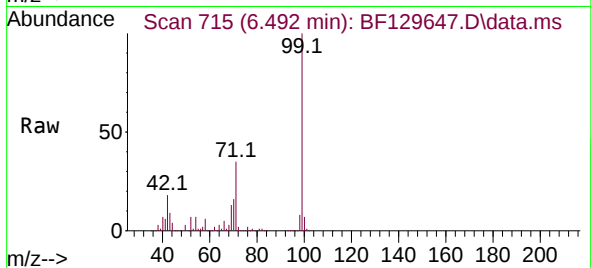
Tgt Ion:112 Resp: 988059
Ion Ratio Lower Upper
112 100
64 61.3 53.3 79.9
63 32.0 28.0 42.0





#7
Phenol-d6
Concen: 102.009 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

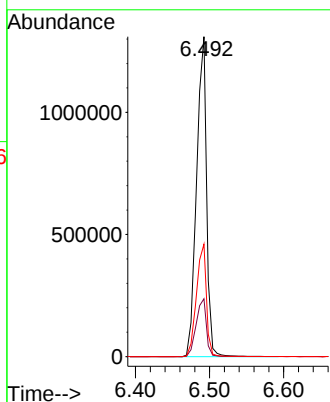
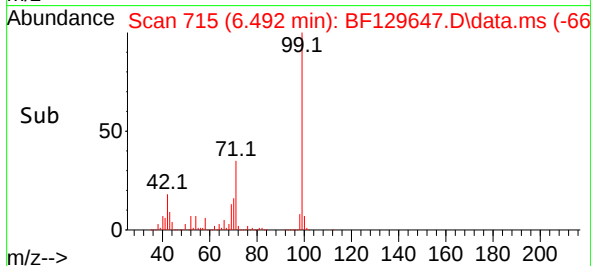
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BNA_F
ClientSampleId :
VNJ-228



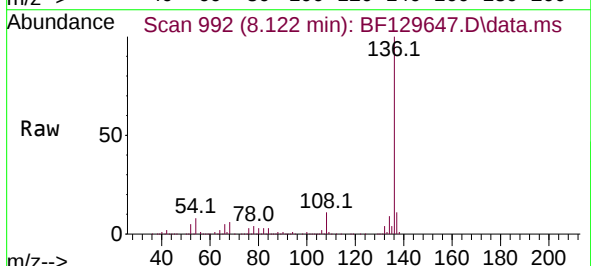
Tgt Ion: 99 Resp: 123555
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 35.2 28.9 43.3

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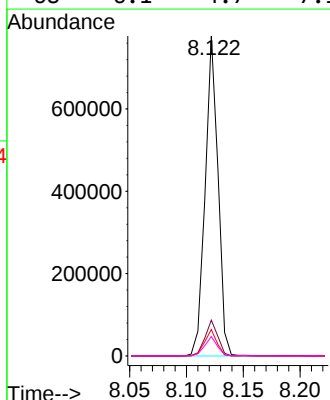
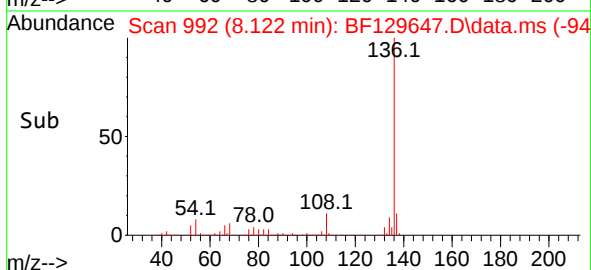
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

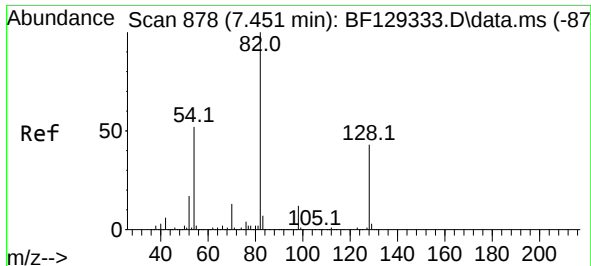


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57



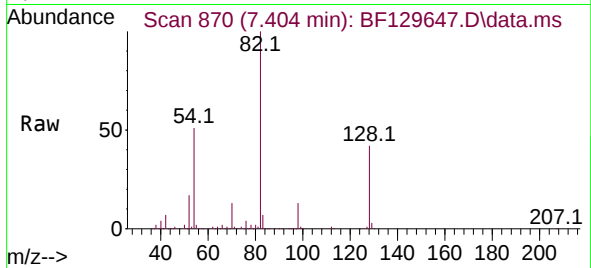
Tgt Ion:136 Resp: 612575
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.2 7.5 11.3
68 6.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 71.116 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

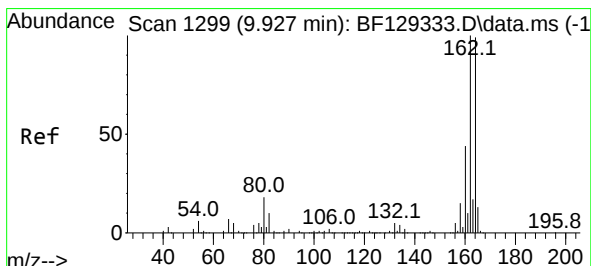
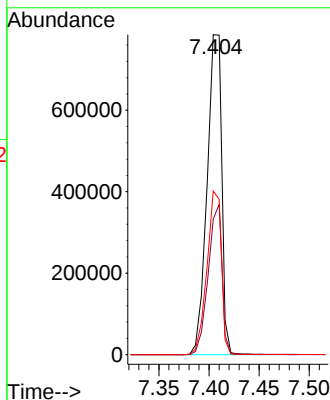
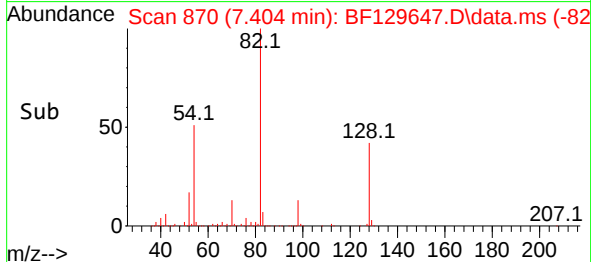
Instrument :
BNA_F
ClientSampleId :
VNJ-228



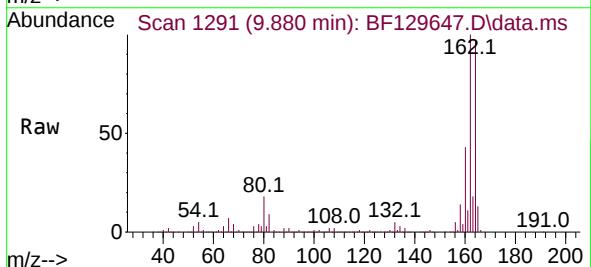
Tgt Ion: 82 Resp: 798043
Ion Ratio Lower Upper
82 100
128 42.4 34.0 51.0
54 51.1 46.9 70.3

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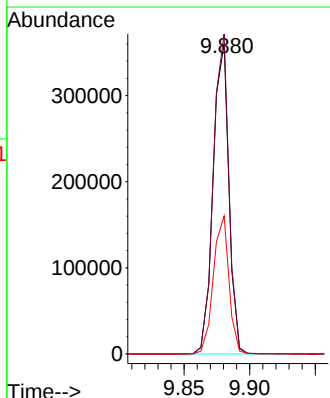
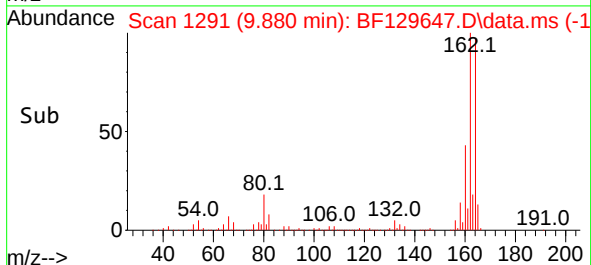
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57



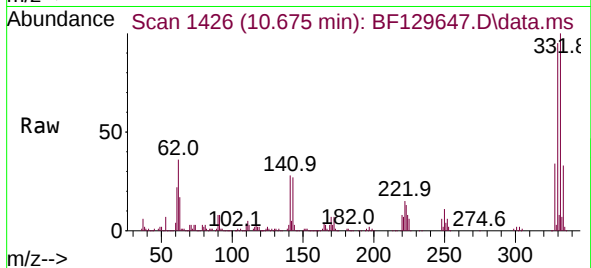
Tgt Ion:164 Resp: 301824
Ion Ratio Lower Upper
164 100
162 103.1 79.5 119.3
160 44.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 85.648 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

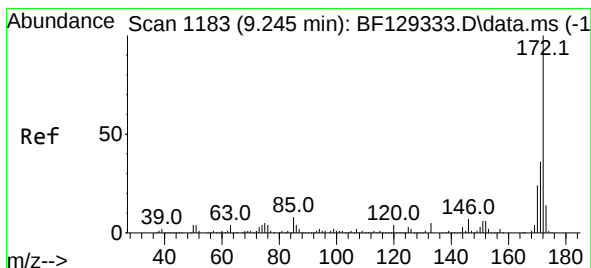
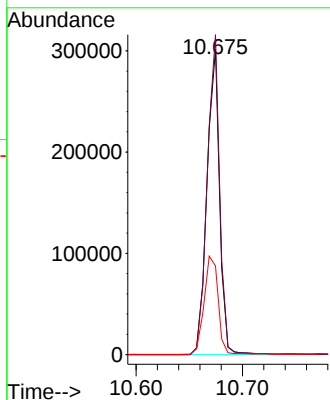
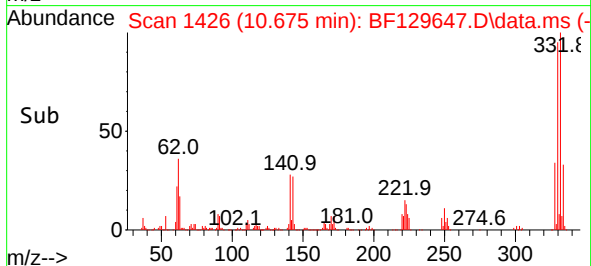
Instrument :
BNA_F
ClientSampleId :
VNJ-228



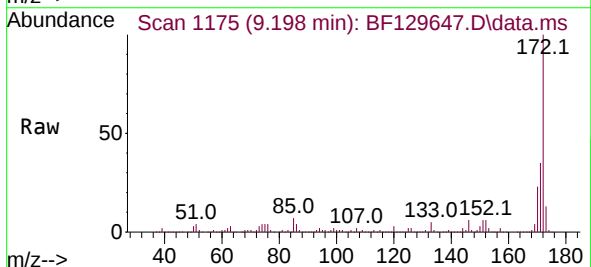
Tgt Ion: 330 Resp: 248535
Ion Ratio Lower Upper
330 100
332 103.9 76.8 115.2
141 35.7 28.0 42.0

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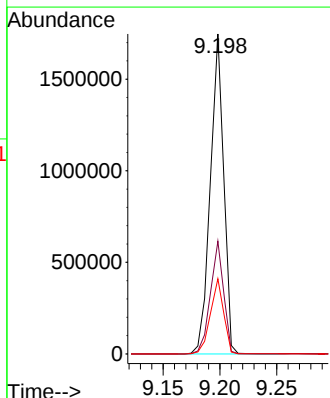
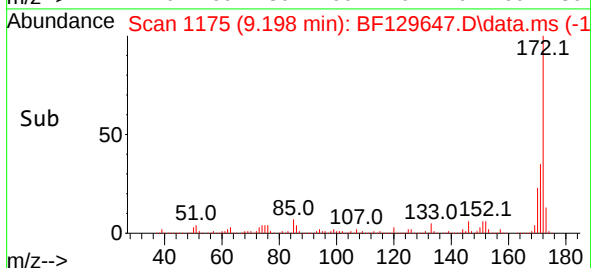
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022

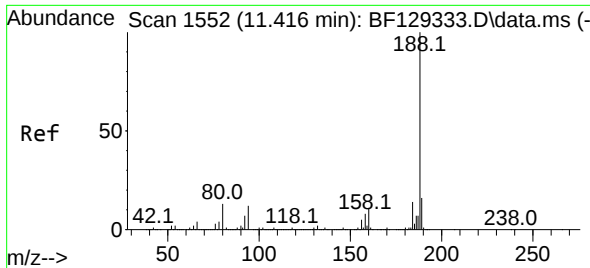


#45
2-Fluorobiphenyl
Concen: 73.665 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57



Tgt Ion: 172 Resp: 1437275
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.5 19.8 29.8





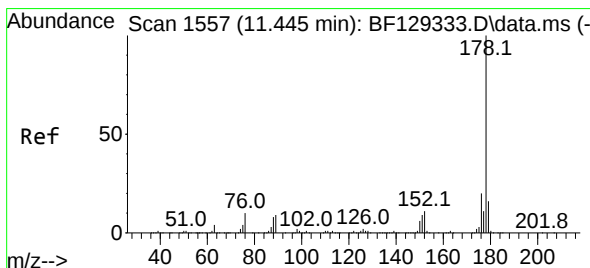
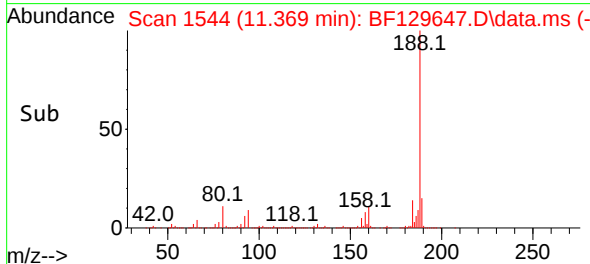
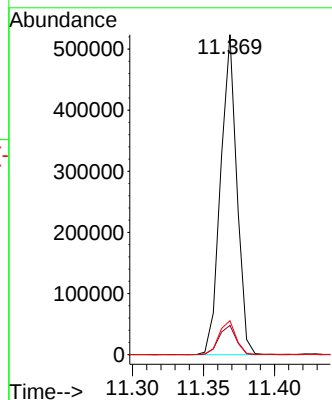
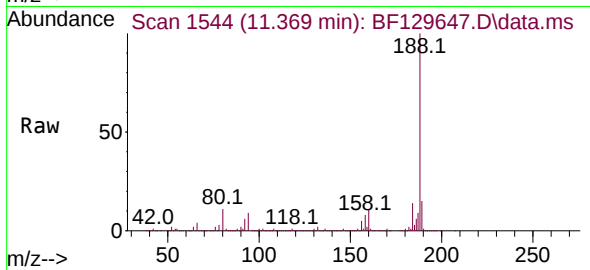
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:188 Resp: 41717
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 10.6 7.6 11.4

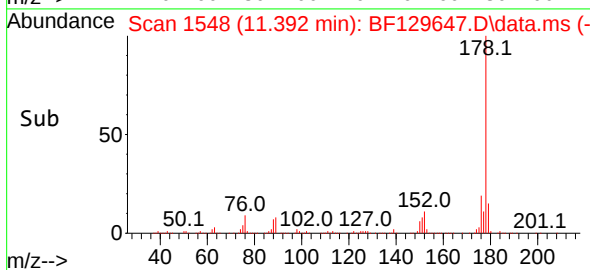
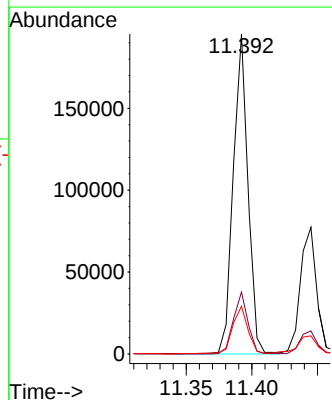
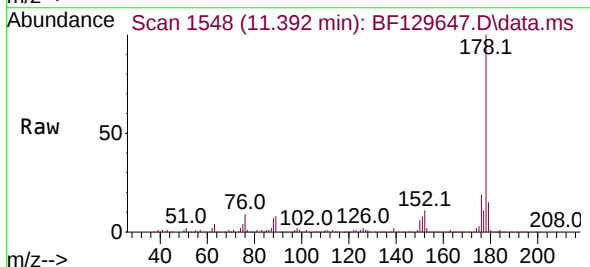
Manual Integrations
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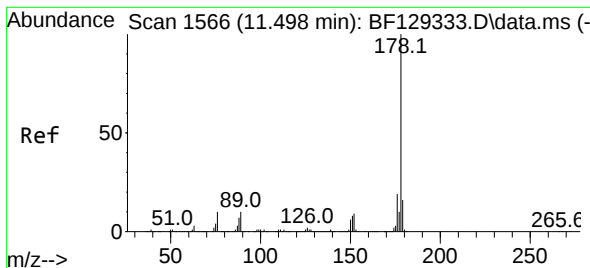
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#71
Phenanthrene
Concen: 6.673 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

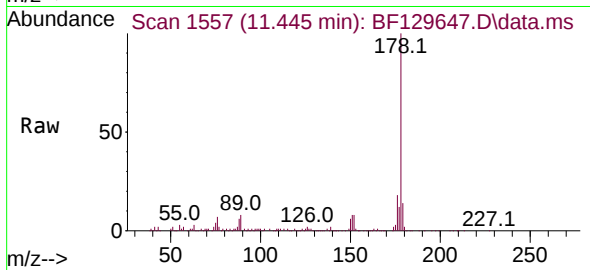
Tgt Ion:178 Resp: 151967
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 14.9 12.6 19.0





#72
 Anthracene
 Concen: 2.948 ng
 RT: 11.445 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

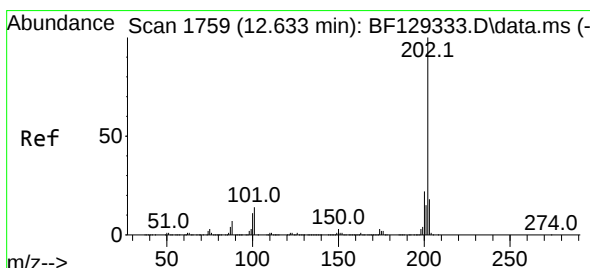
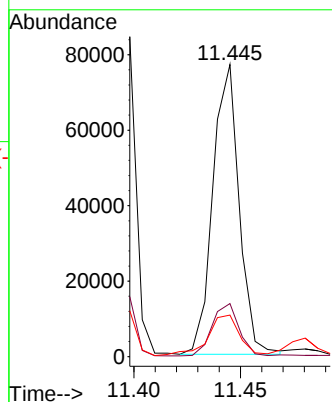
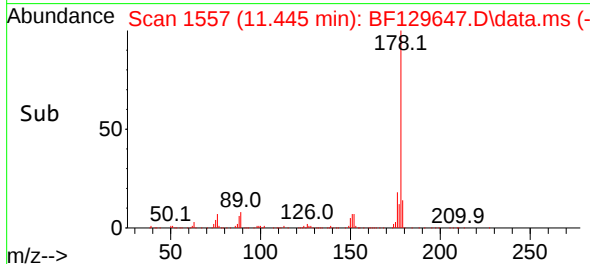
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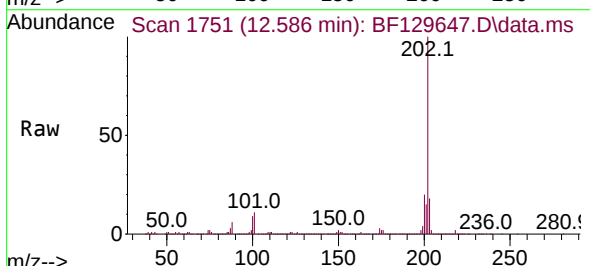
Tgt Ion:178 Resp: 65972
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.2
 179 14.2 12.6 19.0

Manual Integrations
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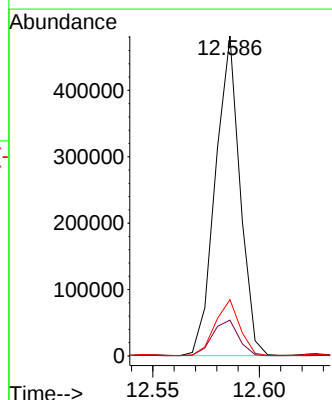
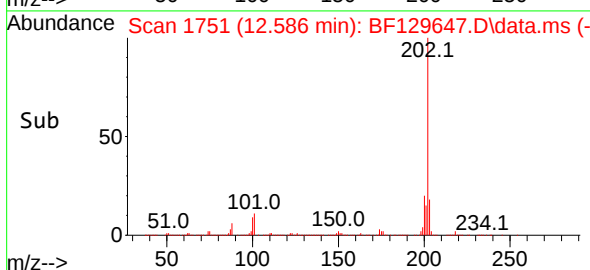
Reviewed By :Christian Giraldo 08/09/2022
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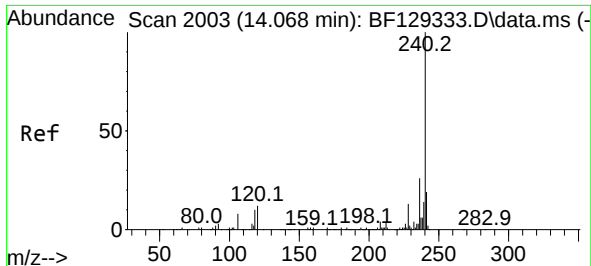


#75
 Fluoranthene
 Concen: 16.767 ng
 RT: 12.586 min Scan# 1751
 Delta R.T. -0.012 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57



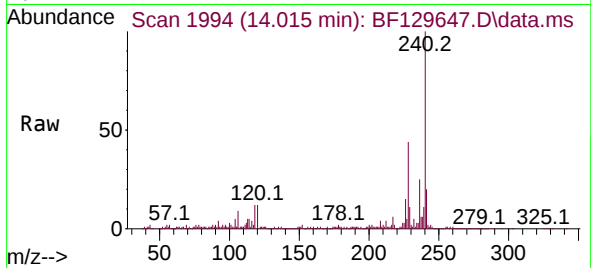
Tgt Ion:202 Resp: 386871
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.4
 203 17.6 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

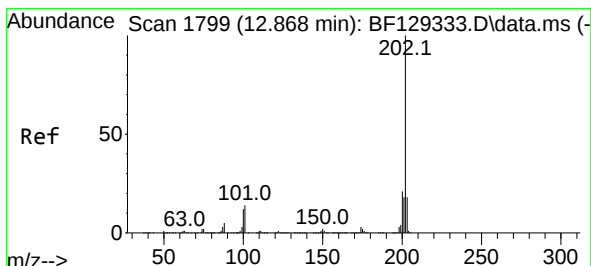
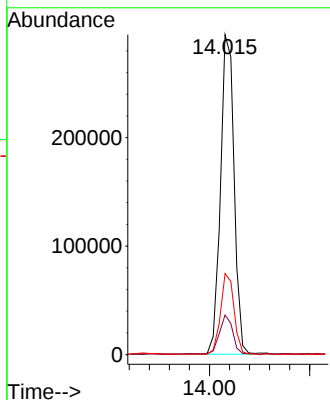
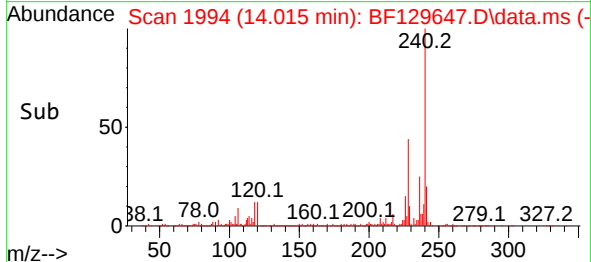
Instrument :
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VNJ-228



Tgt Ion:240 Resp: 280128
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 25.3 20.8 31.2

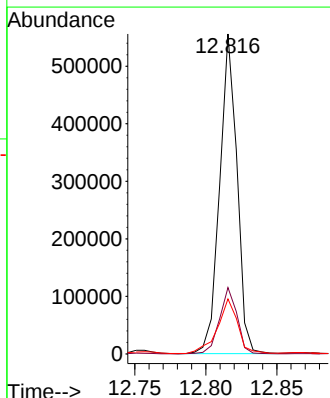
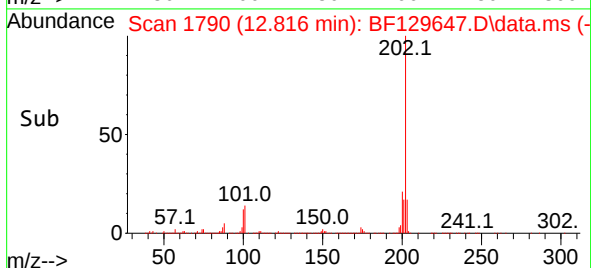
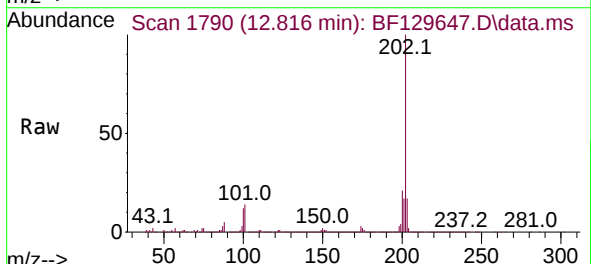
Manual Integrations
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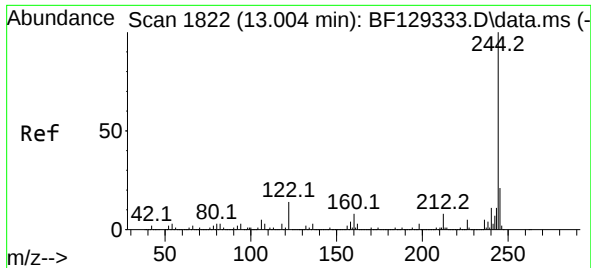
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#78
Pyrene
Concen: 20.189 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

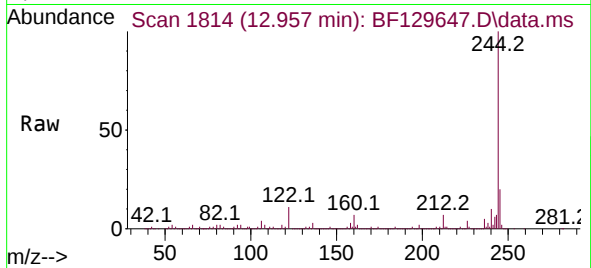
Tgt Ion:202 Resp: 472928
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 65.738 ng
 RT: 12.957 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

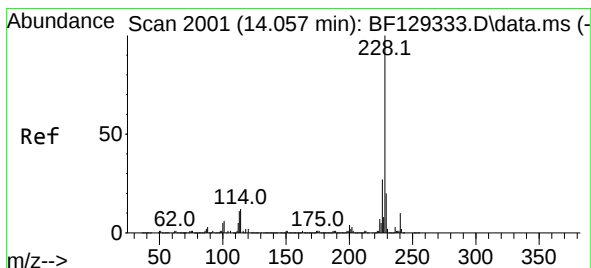
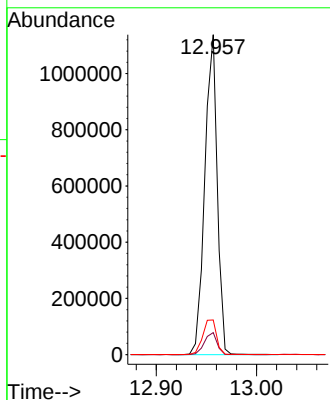
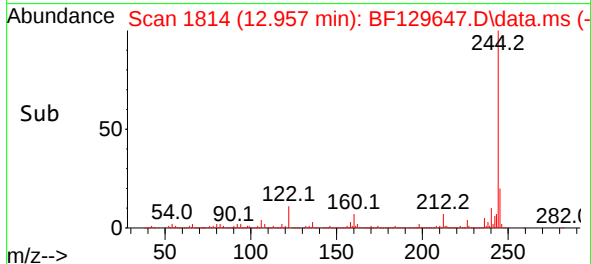
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228



Tgt Ion:244 Resp: 976110
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 10.8 8.8 13.2

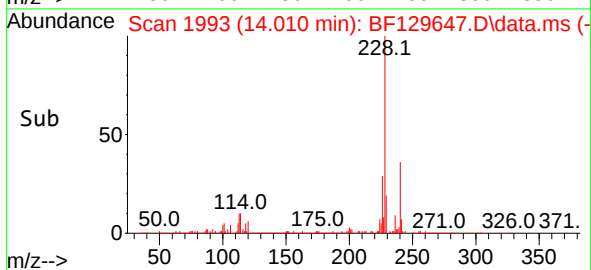
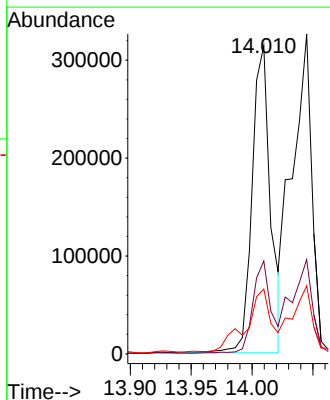
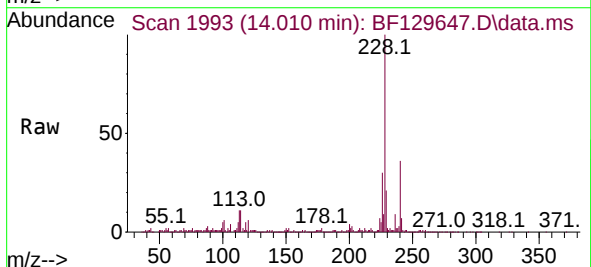
Manual Integrations
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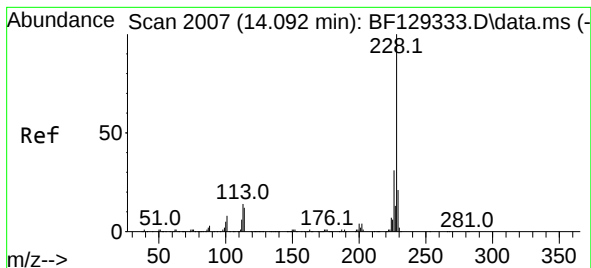
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022



#81
 Benzo(a)anthracene
 Concen: 17.305 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

Tgt Ion:228 Resp: 331137
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.1 33.1
 229 21.1 15.8 23.8





#83

Chrysene

Concen: 20.660 ng

RT: 14.045 min Scan# 19

Delta R.T. -0.012 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

Instrument :

BNA_F

ClientSampleId :

VNJ-228

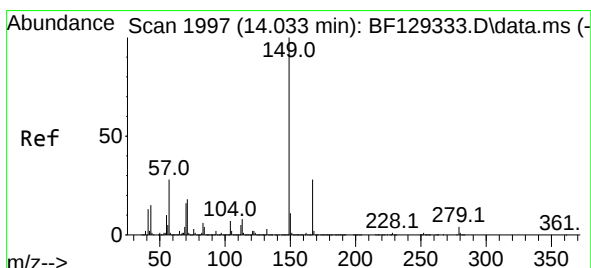
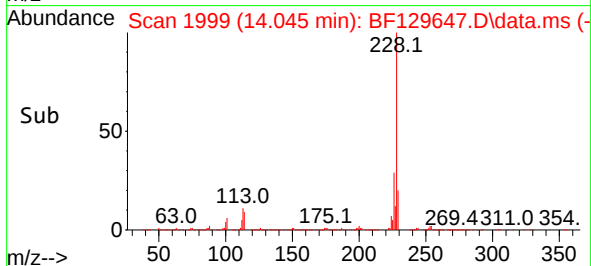
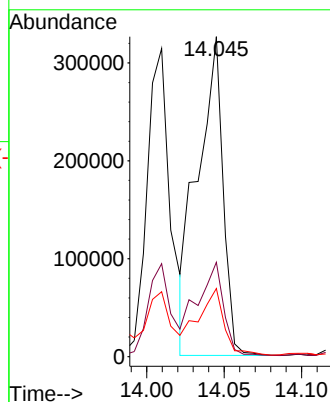
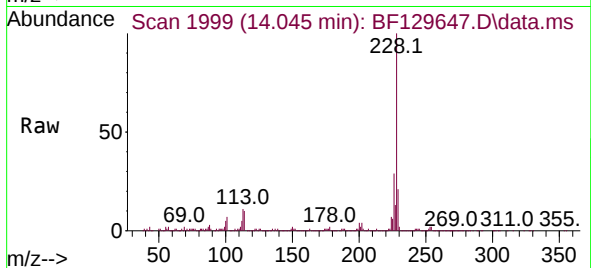
Tgt Ion:228	Resp: 372598
Ion Ratio	Lower Upper
228 100	
226 29.5	24.3 36.5
229 21.3	15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 35.888 ng

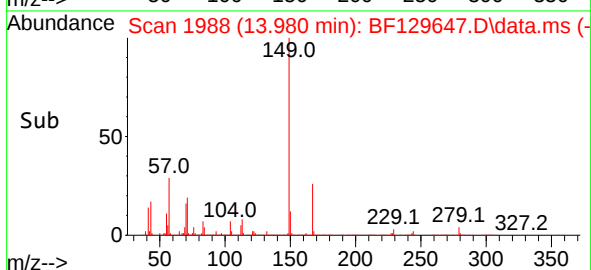
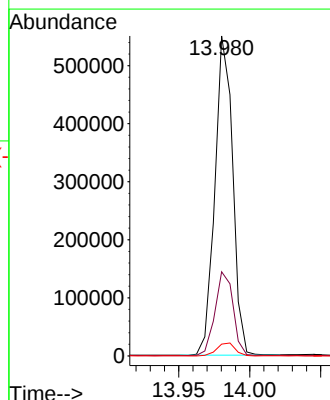
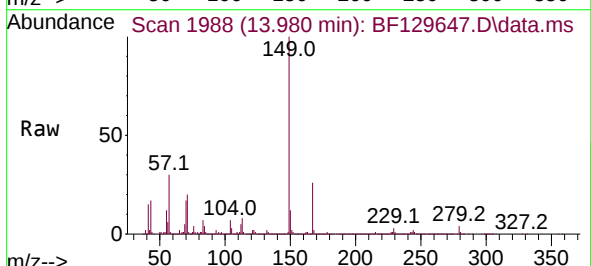
RT: 13.980 min Scan# 1988

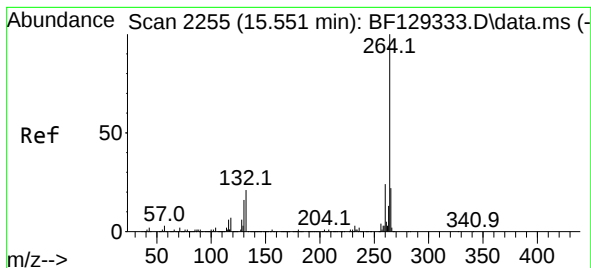
Delta R.T. -0.006 min

Lab File: BF129647.D

Acq: 08 Aug 2022 23:57

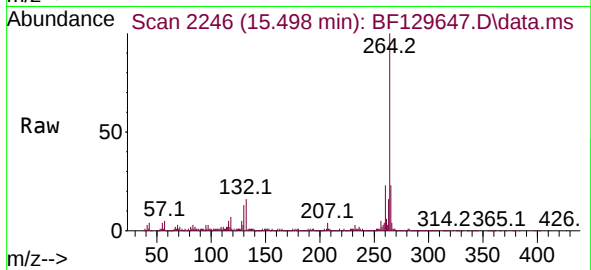
Tgt Ion:149	Resp: 480059
Ion Ratio	Lower Upper
149 100	
167 26.3	21.0 31.4
279 3.7	3.1 4.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2497
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

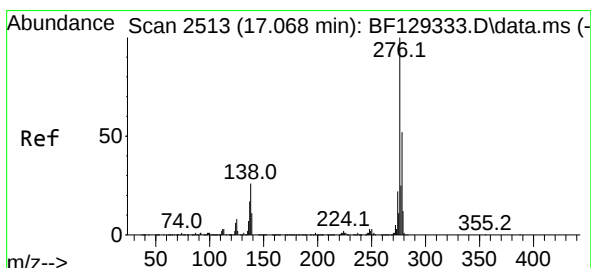
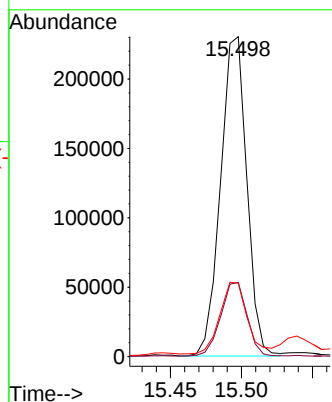
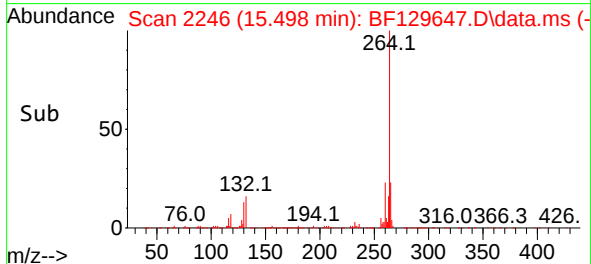
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:264 Resp: 296354
Ion Ratio Lower Upper
264 100
260 23.2 18.4 27.6
265 23.0 17.2 25.8

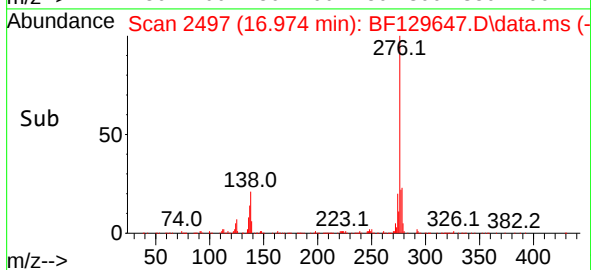
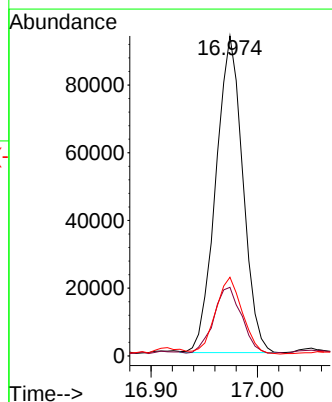
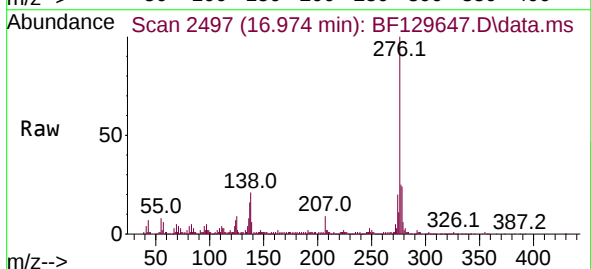
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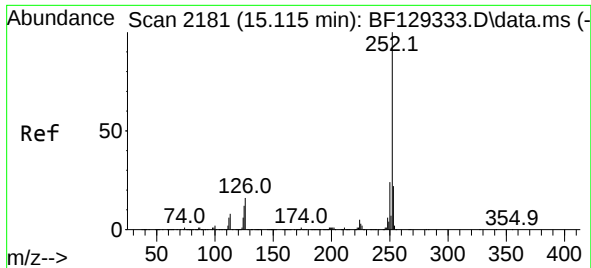
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.257 ng
RT: 16.974 min Scan# 2497
Delta R.T. -0.024 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

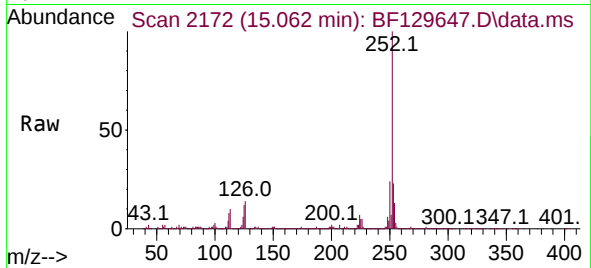
Tgt Ion:276 Resp: 164778
Ion Ratio Lower Upper
276 100
138 21.5 21.1 31.7
277 24.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 34.182 ng m
RT: 15.062 min Scan# 2172
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

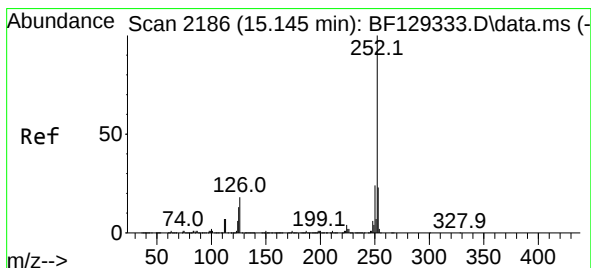
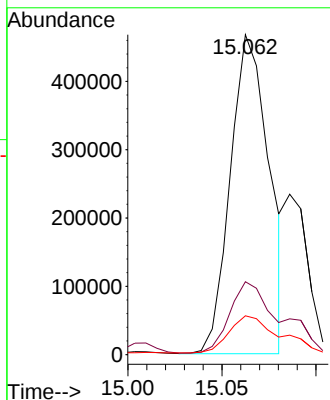
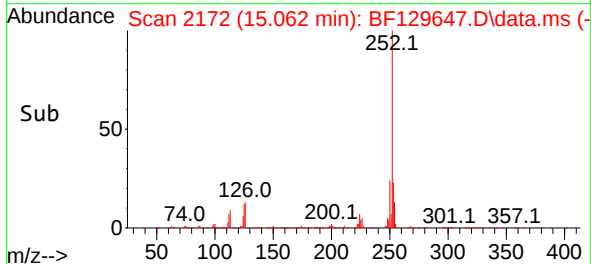
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:252 Resp: 671946
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 12.1 8.0 12.0

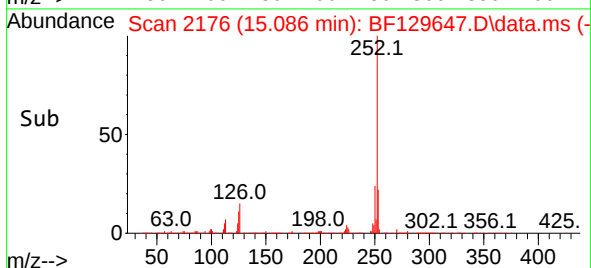
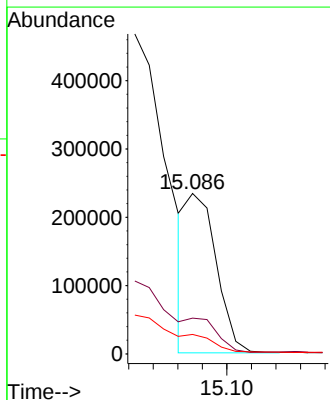
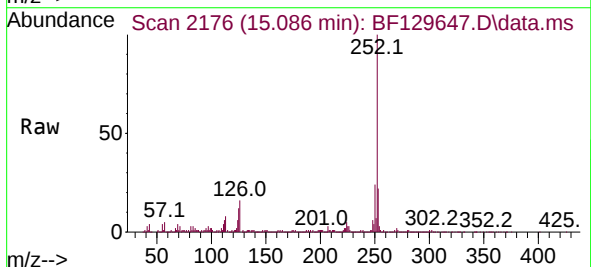
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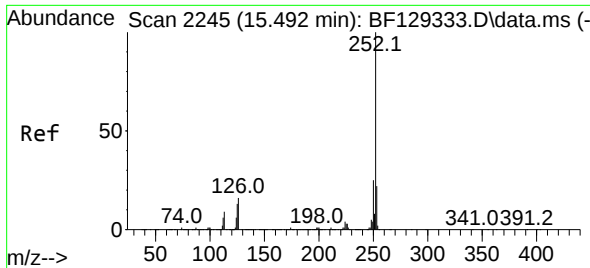
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 10.182 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.018 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

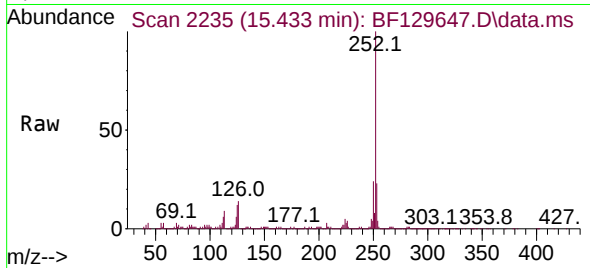
Tgt Ion:252 Resp: 196153
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 12.1 8.3 12.5





#90
Benzo(a)pyrene
Concen: 19.790 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57

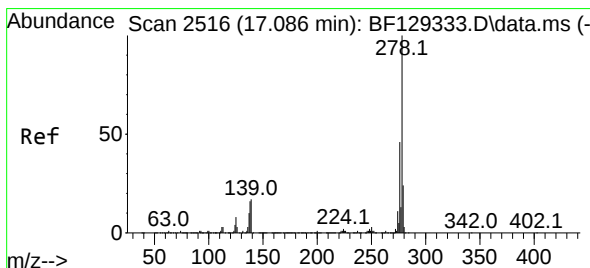
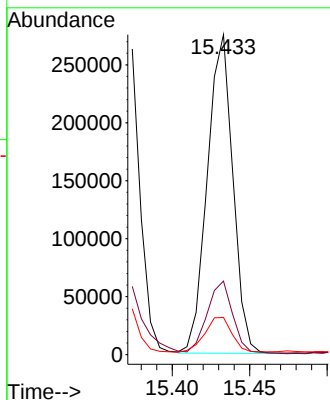
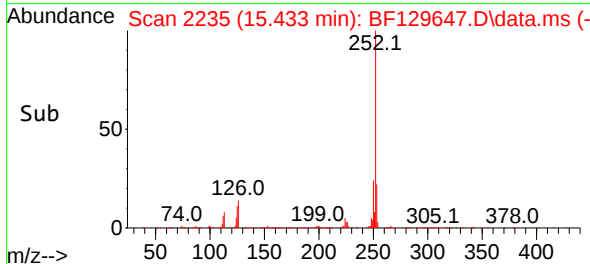
Instrument :
BNA_F
ClientSampleId :
VNJ-228



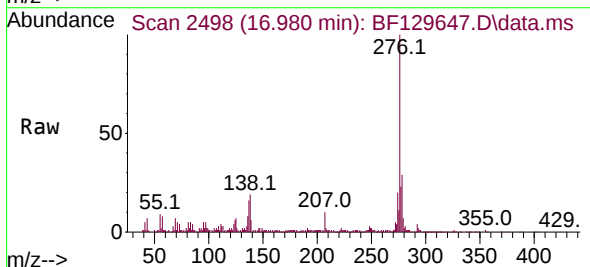
Tgt Ion:252 Resp: 315808
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 11.7 8.8 13.2

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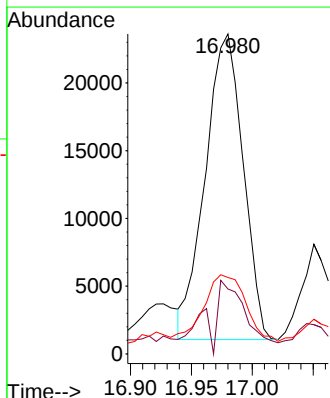
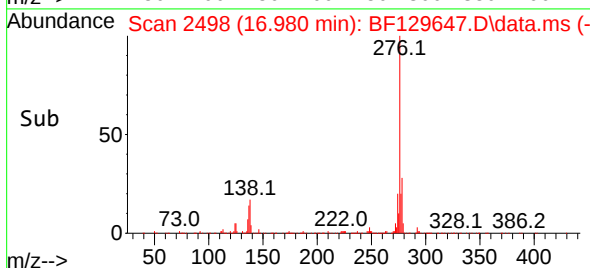
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

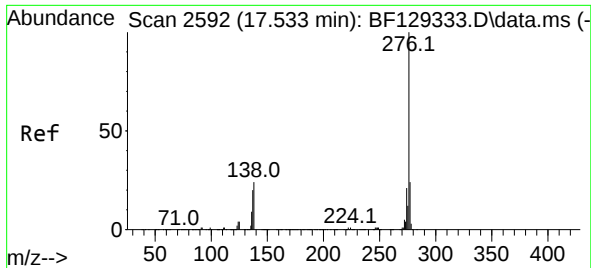


#91
Dibenzo(a,h)anthracene
Concen: 3.007 ng
RT: 16.980 min Scan# 2498
Delta R.T. -0.029 min
Lab File: BF129647.D
Acq: 08 Aug 2022 23:57



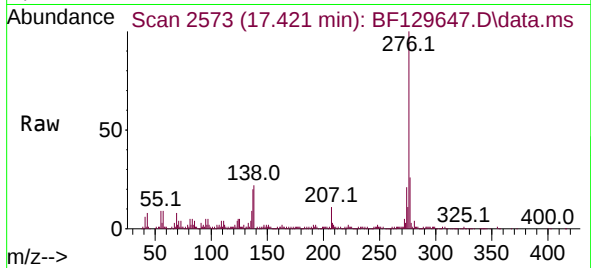
Tgt Ion:278 Resp: 48848
Ion Ratio Lower Upper
278 100
139 20.3 12.8 19.2#
279 23.9 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 8.324 ng
 RT: 17.421 min Scan# 2573
 Delta R.T. -0.029 min
 Lab File: BF129647.D
 Acq: 08 Aug 2022 23:57

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228



Tgt Ion:	276	Resp:	13815
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.1	28.7
138	22.3	18.0	27.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

