

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
 Data File : BF124631.D
 Acq On : 20 Jul 2021 15:22
 Operator : JU/CG
 Sample : M3056-01 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-VNJ-239

Manual Integrations
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 7/21/2021 11:42:11 AM

Quant Time: Jul 20 15:43:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 20 13:36:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	5683	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	21217	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	8882	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	13931	20.000	ng	0.00
76) Chrysene-d12	14.068	240	12428	20.000	ng	# 0.00
86) Perylene-d12	15.556	264	10364	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	3965	12.088	ng	-0.02
7) Phenol-d6	6.510	99	4859	12.177	ng	-0.02
23) Nitrobenzene-d5	7.457	82	2688	7.998	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	632	9.144	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	5882	9.657	ng	-0.01
79) Terphenyl-d14	13.010	244	4995	6.749	ng	-0.01
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.998	142	1792	2.577	ng	88
58) Fluorene	10.486	166	2322	3.869	ng	90
71) Phenanthrene	11.451	178	14294	18.807	ng	97
72) Anthracene	11.504	178	3031	3.975	ng	97
75) Fluoranthene	12.645	202	13056	17.026	ng	95
78) Pyrene	12.874	202	15320	14.837	ng	96
81) Benzo(a)anthracene	14.057	228	7138m	8.660	ng	
83) Chrysene	14.092	228	6900	8.739	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	2069	3.442	ng	# 60
88) Benzo(b)fluoranthene	15.115	252	7530m	10.122	ng	
89) Benzo(k)fluoranthene	15.145	252	1698m	2.488	ng	
90) Benzo(a)pyrene	15.492	252	4953	8.066	ng	98
92) Benzo(g,h,i)perylene	17.503	276	1914	3.832	ng	# 47

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

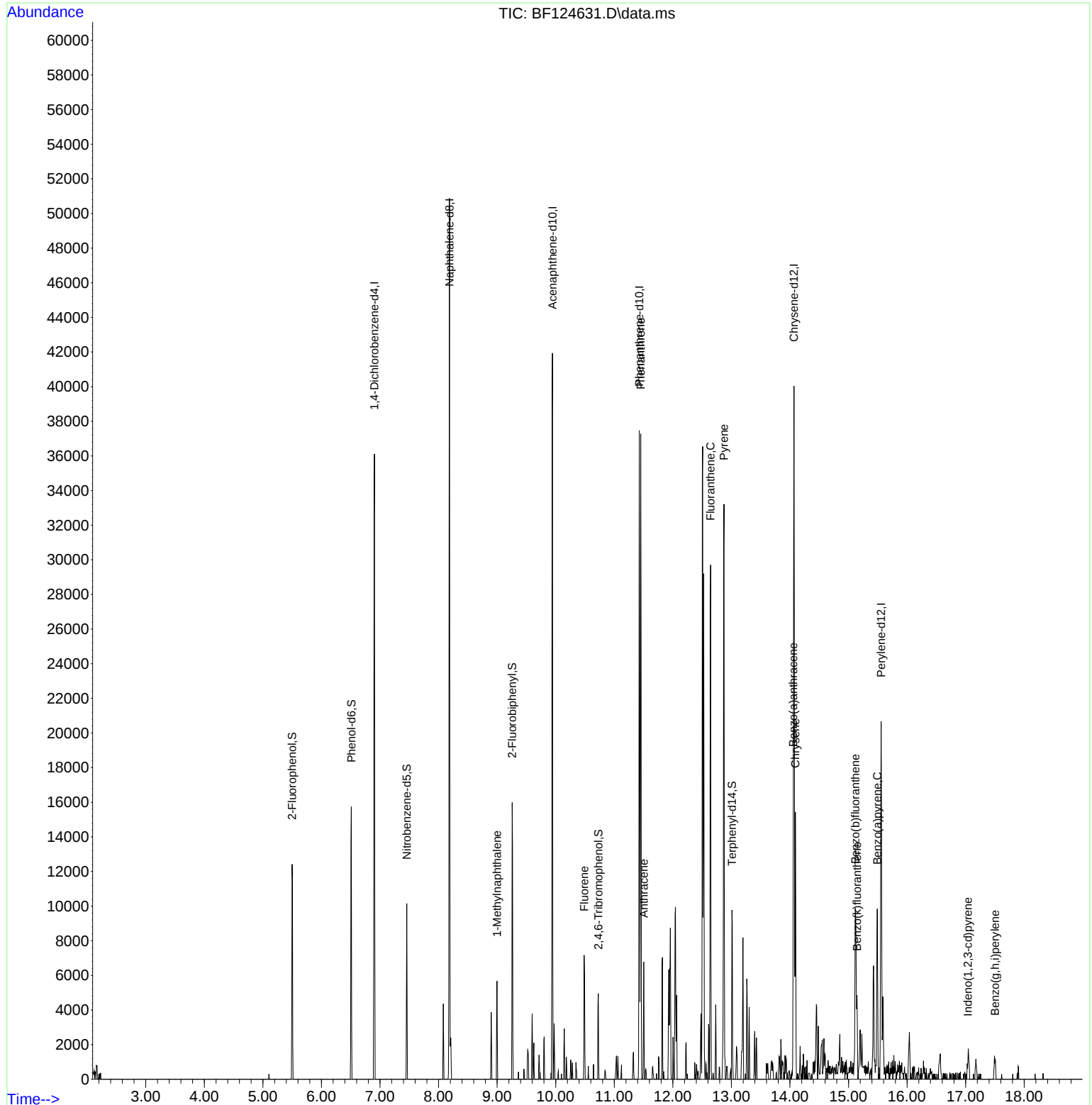
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072021\
Data File : BF124631.D
Acq On : 20 Jul 2021 15:22
Operator : JU/CG
Sample : M3056-01 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

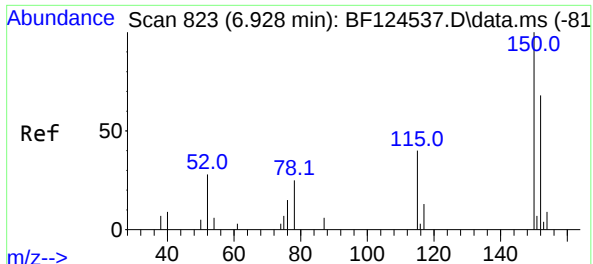
Instrument :
BNA_F
ClientSampleId :
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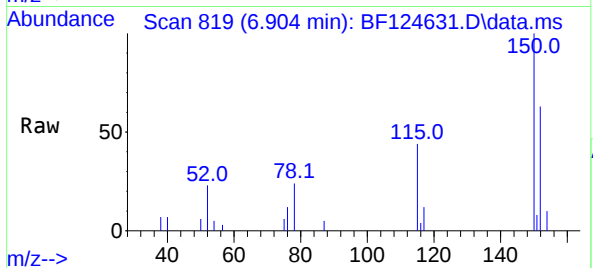
Quant Time: Jul 20 15:43:37 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 20 13:36:28 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

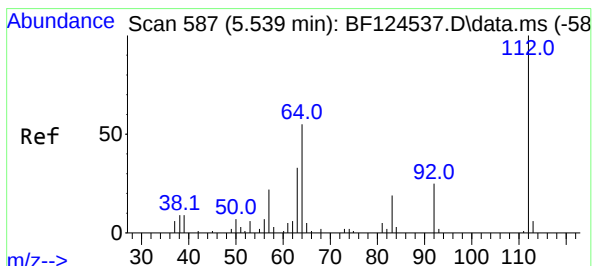
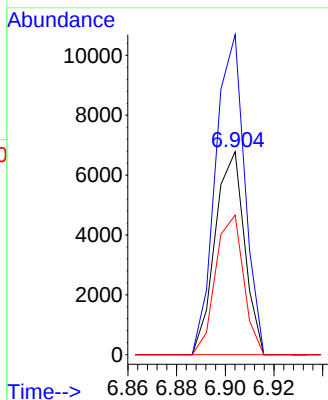
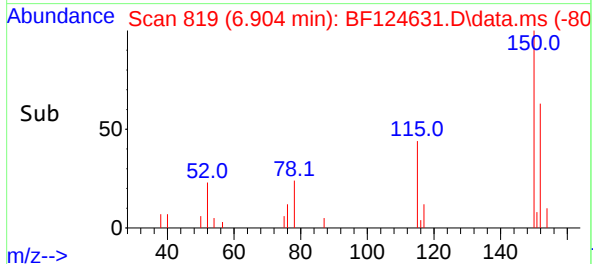
Instrument :
BNA_F
ClientSampled :
RO-VNJ-239



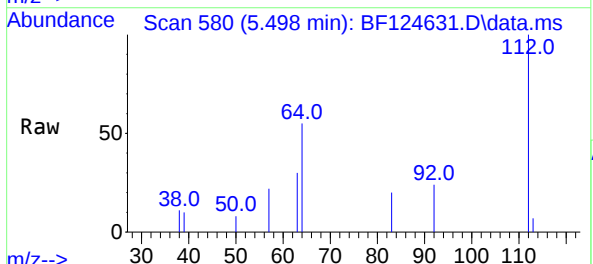
Tgt Ion:152 Resp: 5683
Ion Ratio Lower Upper
152 100
150 157.7 117.6 176.4
115 68.7 47.1 70.7

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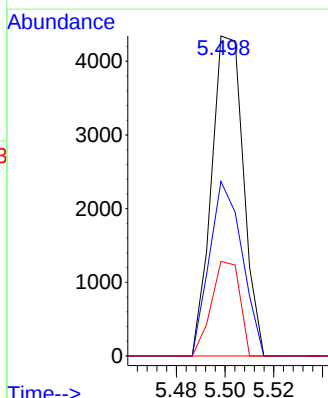
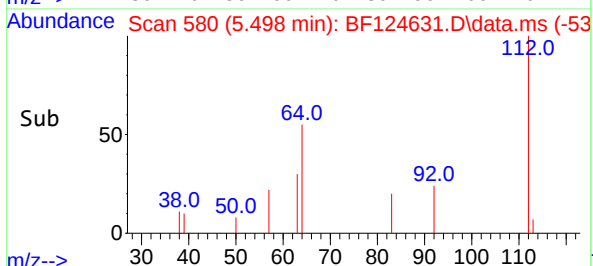
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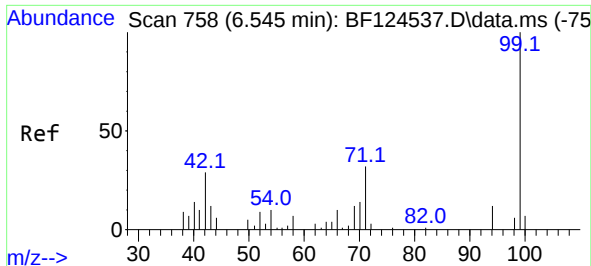


#5
2-Fluorophenol
Concen: 12.088 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.024 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



Tgt Ion:112 Resp: 3965
Ion Ratio Lower Upper
112 100
64 54.6 44.2 66.2
63 29.6 26.2 39.2





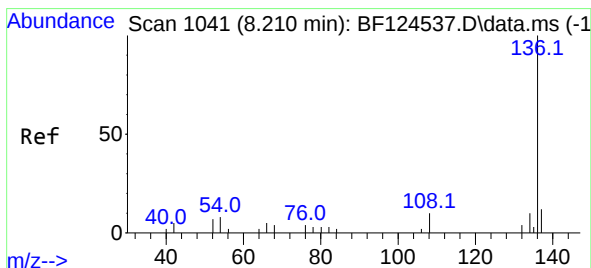
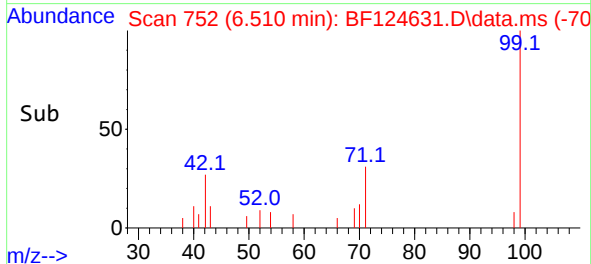
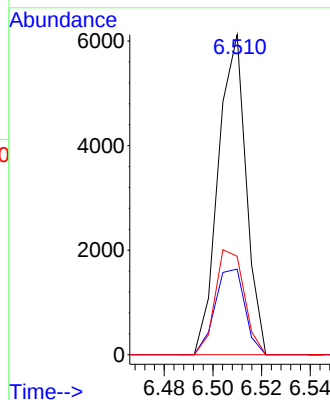
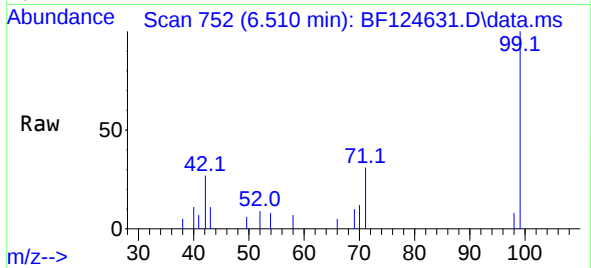
#7
Phenol-d6
Concen: 12.177 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.018 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:	99	Resp:	4859
Ion	Ratio	Lower	Upper
99	100		
42	26.8	23.5	35.3
71	30.7	25.6	38.4

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

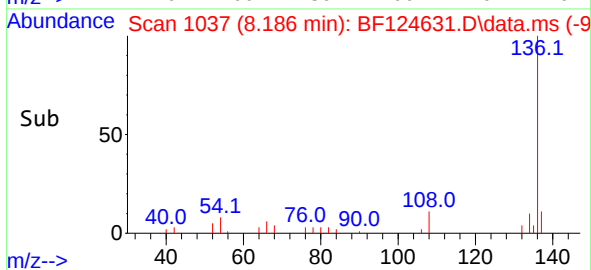
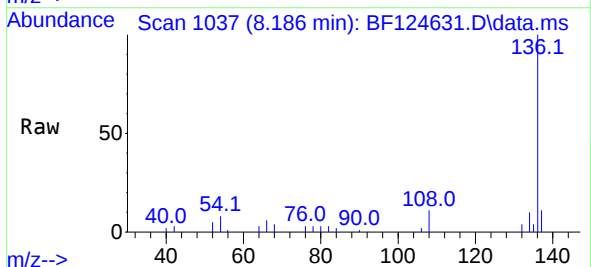
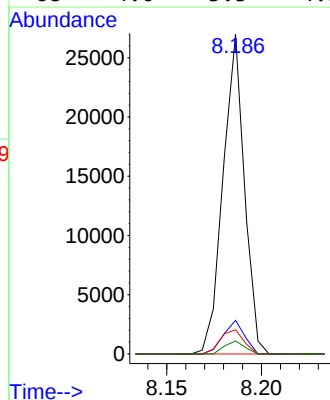
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:	136	Resp:	21217
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	7.6	6.4	9.6
68	4.0	3.3	4.9





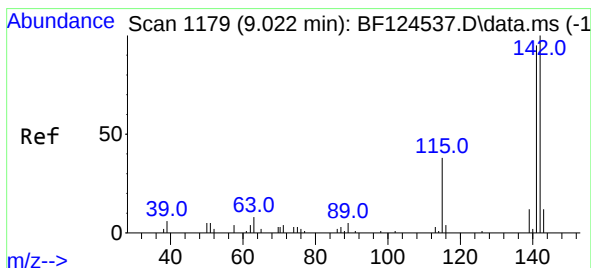
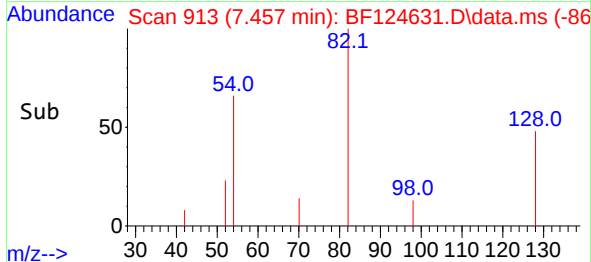
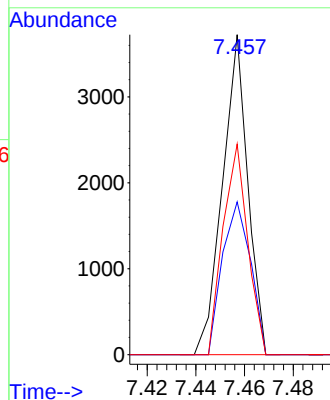
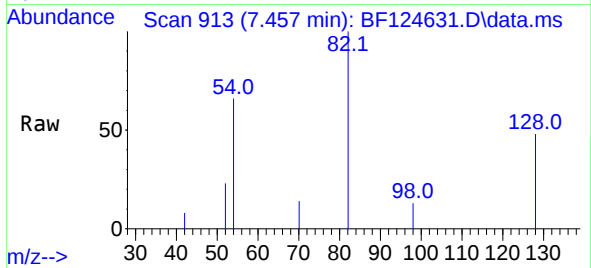
#23
Nitrobenzene-d5
Concen: 7.998 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 82	Resp: 2688
Ion Ratio	Lower Upper
82 100	
128 47.8	40.6 60.8
54 65.8	49.6 74.4

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

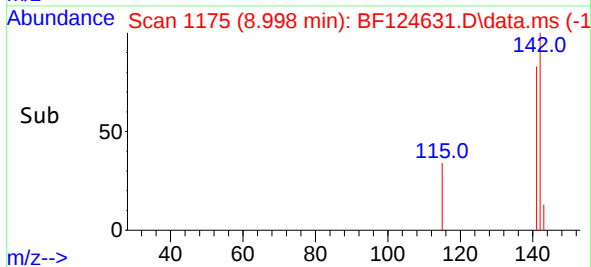
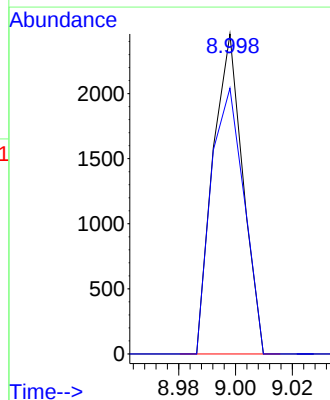
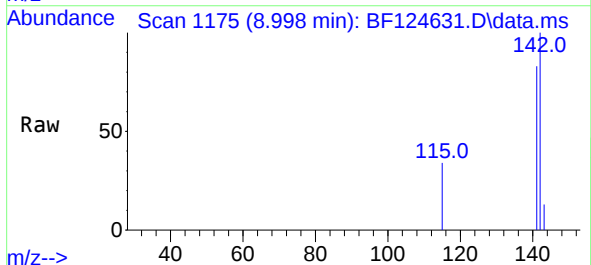
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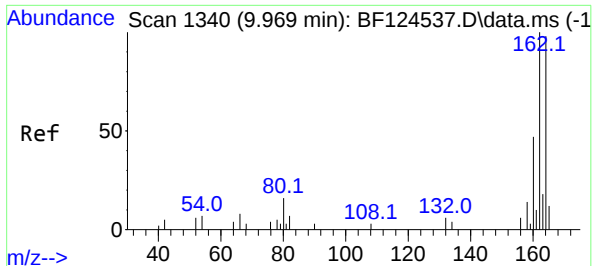
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#38
1-Methylnaphthalene
Concen: 2.577 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:142	Resp:	1792	
Ion	Ratio	Lower	Upper
142	100		
141	83.0	76.0	114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.006 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

Tgt Ion:	164	Resp:	8882
Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.3	121.9
160	45.2	38.0	57.0

Instrument :

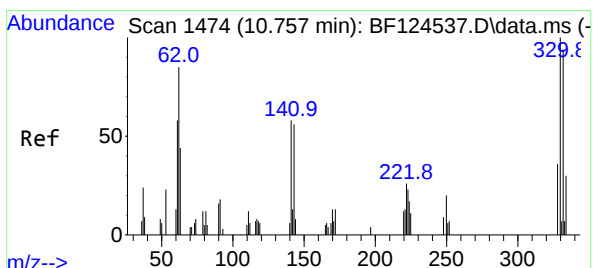
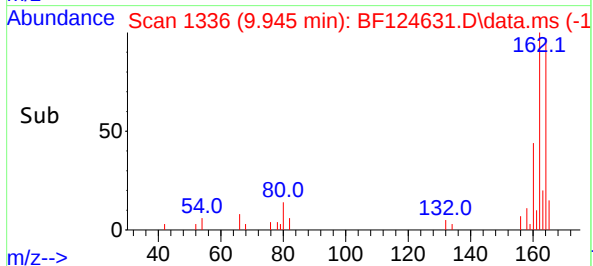
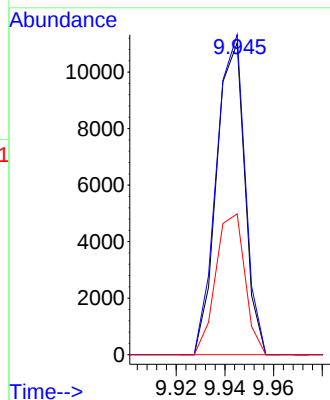
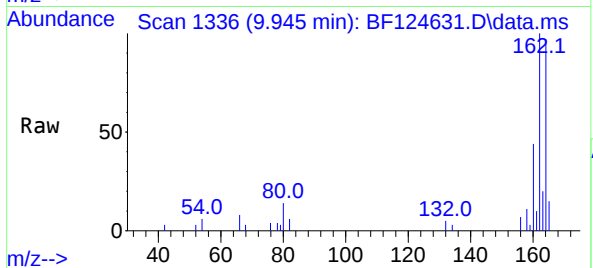
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ClientSampleId :

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#42

2,4,6-Tribromophenol

Concen: 9.144 ng

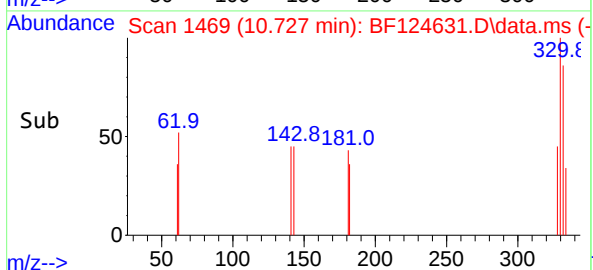
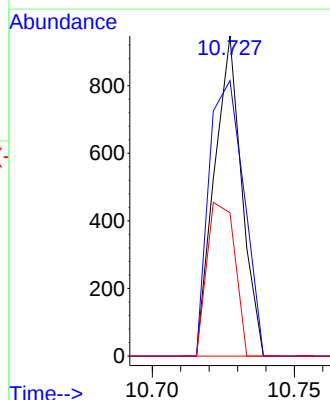
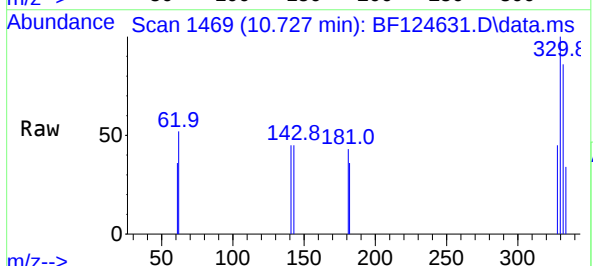
RT: 10.727 min Scan# 1469

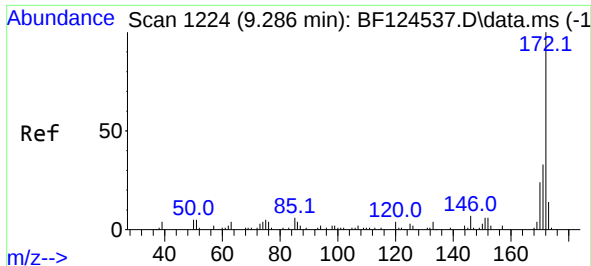
Delta R.T. -0.012 min

Lab File: BF124631.D

Acq: 20 Jul 2021 15:22

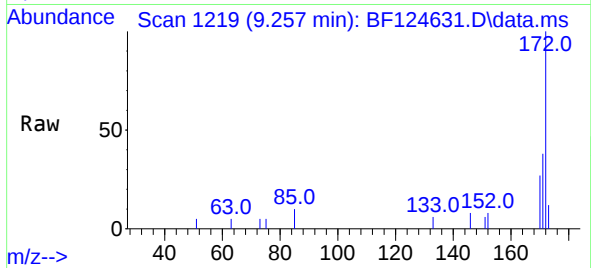
Tgt Ion:	330	Resp:	632
Ion	Ratio	Lower	Upper
330	100		
332	109.5	76.2	114.4
141	49.1	44.6	66.8





#45
2-Fluorobiphenyl
Concen: 9.657 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

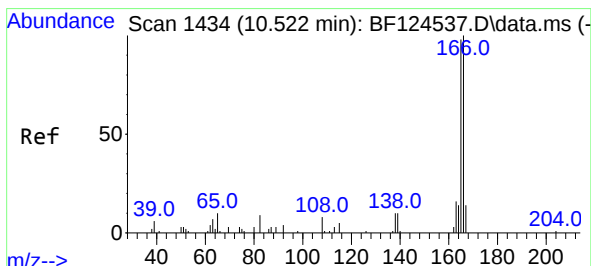
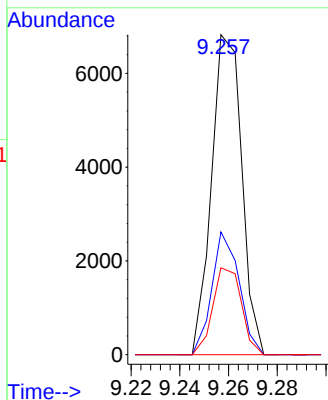
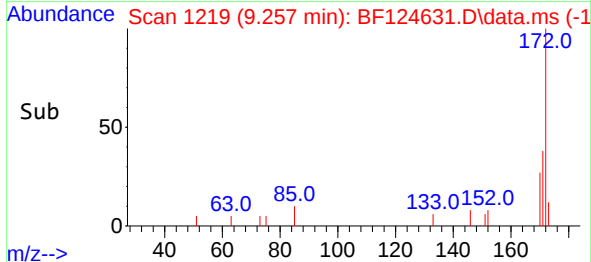
Instrument :
BNA_F
ClientSampled :
RO-VNJ-239



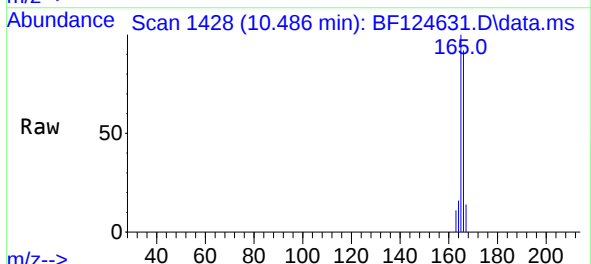
Tgt Ion:172 Resp: 5882
Ion Ratio Lower Upper
172 100
171 38.3 26.5 39.7
170 27.2 18.8 28.2

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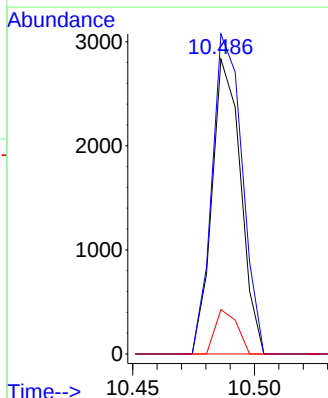
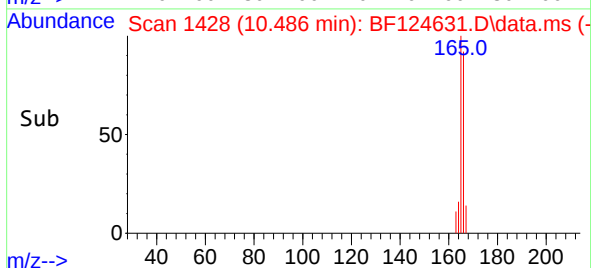
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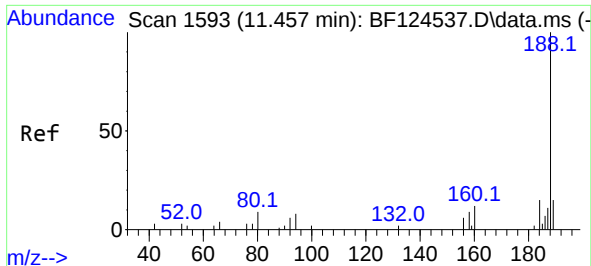


#58
Fluorene
Concen: 3.869 ng
RT: 10.486 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



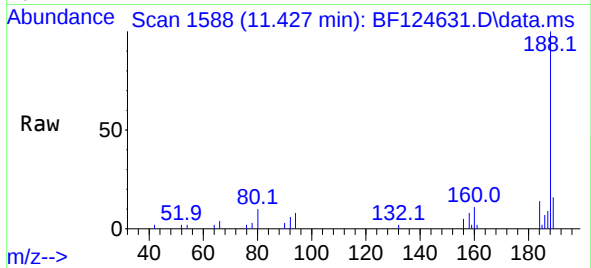
Tgt Ion:166 Resp: 2322
Ion Ratio Lower Upper
166 100
165 108.5 78.1 117.1
167 15.0 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

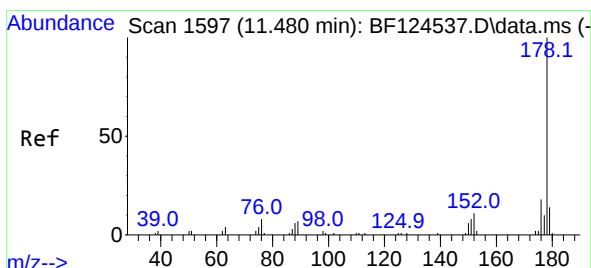
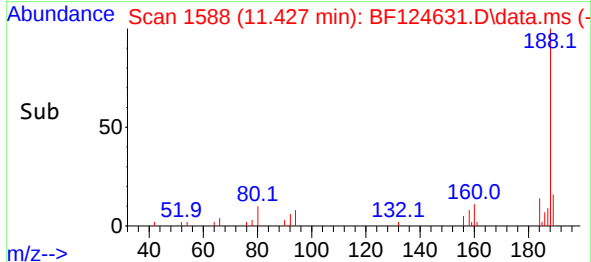
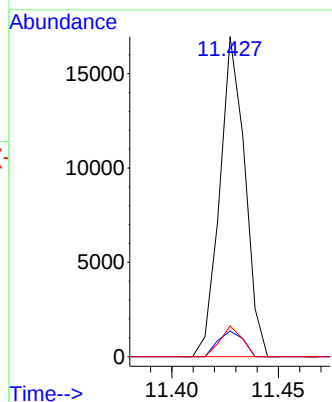
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BNA_F
ClientSampled :
RO-VNJ-239



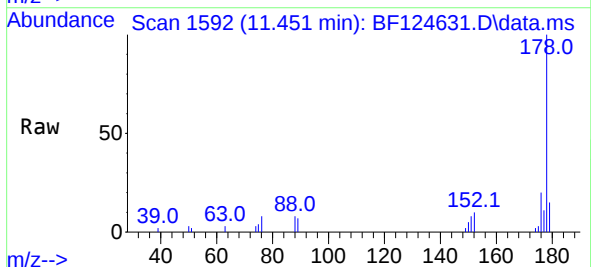
Tgt Ion:188 Resp: 13931
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.6 7.5 11.3

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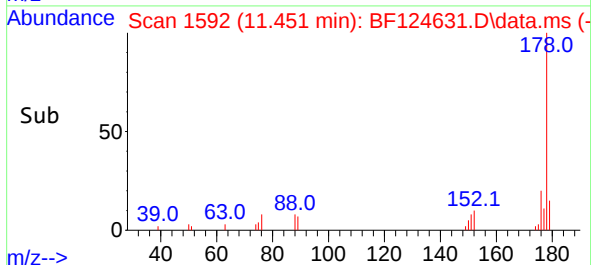
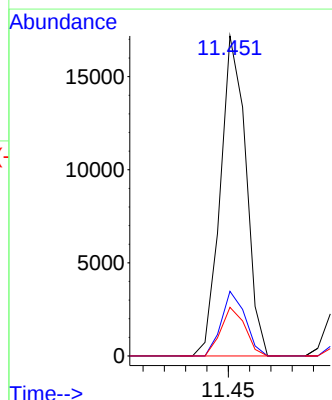
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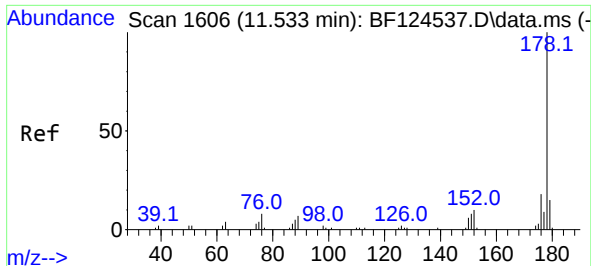


#71
Phenanthrene
Concen: 18.807 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



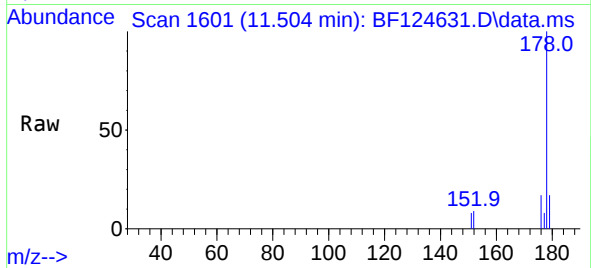
Tgt Ion:178 Resp: 14294
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 15.2 11.5 17.3





#72
 Anthracene
 Concen: 3.975 ng
 RT: 11.504 min Scan# 1601
 Delta R.T. -0.012 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

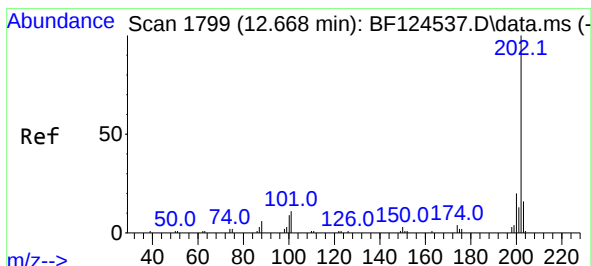
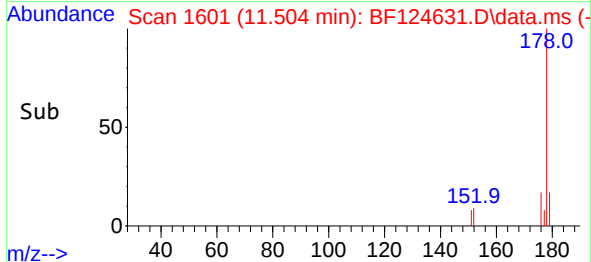
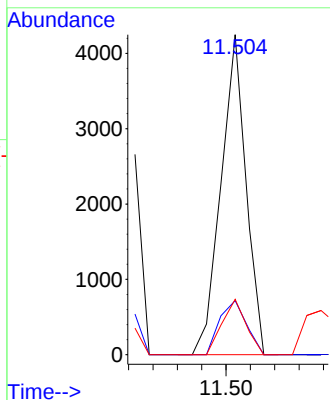
Instrument :
 BNA_F
 ClientSampleID :
 RO-VNJ-239



Tgt Ion:178 Resp: 3031
 Ion Ratio Lower Upper
 178 100
 176 16.9 14.3 21.5
 179 17.3 12.2 18.4

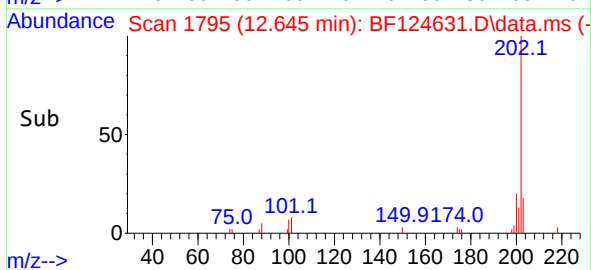
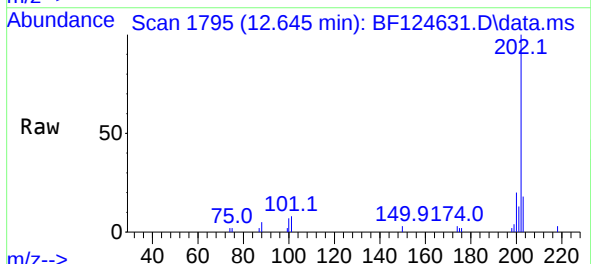
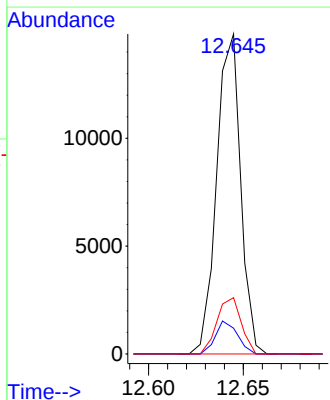
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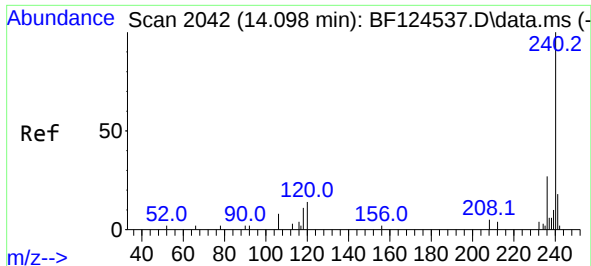
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#75
 Fluoranthene
 Concen: 17.026 ng
 RT: 12.645 min Scan# 1795
 Delta R.T. -0.006 min
 Lab File: BF124631.D
 Acq: 20 Jul 2021 15:22

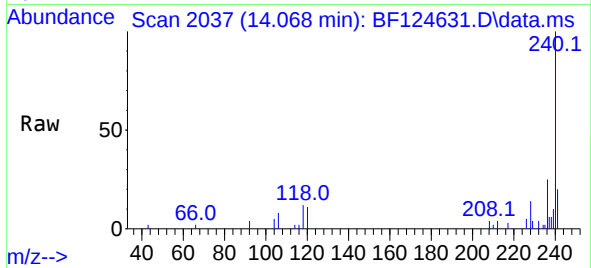
Tgt Ion:202 Resp: 13056
 Ion Ratio Lower Upper
 202 100
 101 8.0 0.0 30.7
 203 17.6 0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

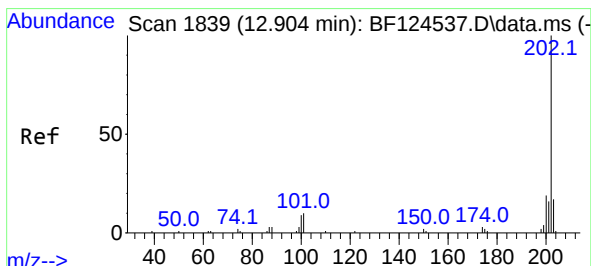
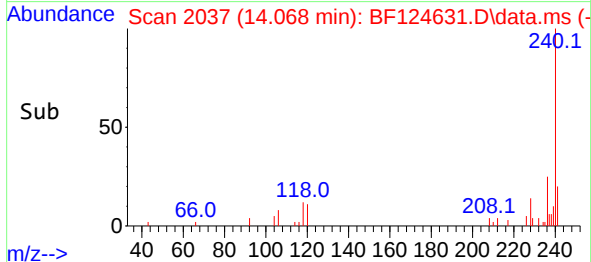
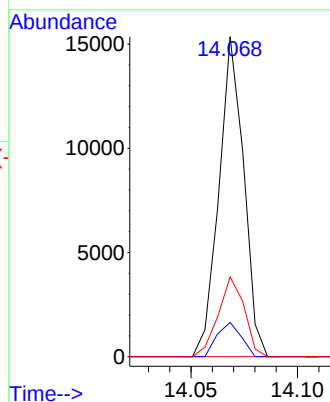
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239



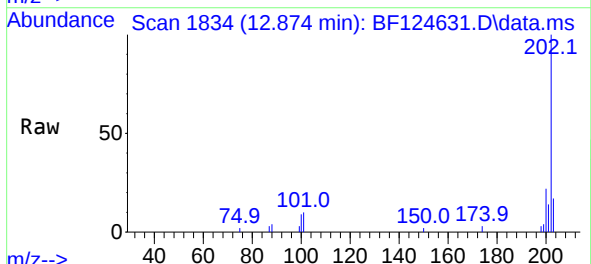
Tgt Ion:240 Resp: 12428
Ion Ratio Lower Upper
240 100
120 10.7 10.8 16.2#
236 24.9 21.6 32.4

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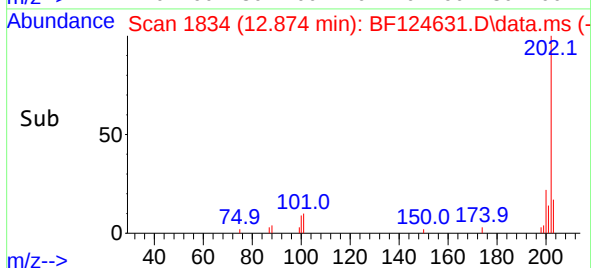
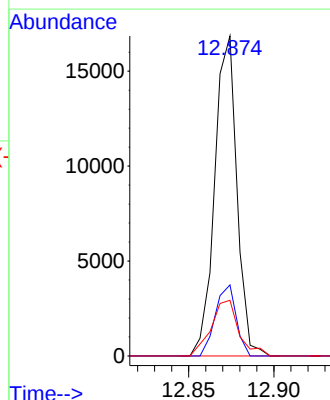
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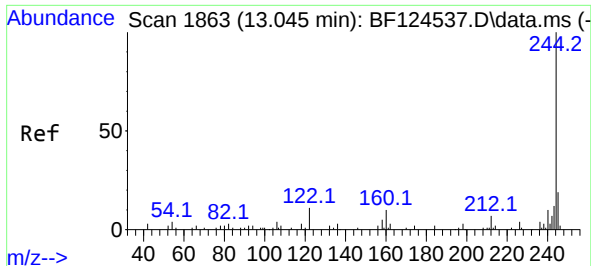


#78
Pyrene
Concen: 14.837 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



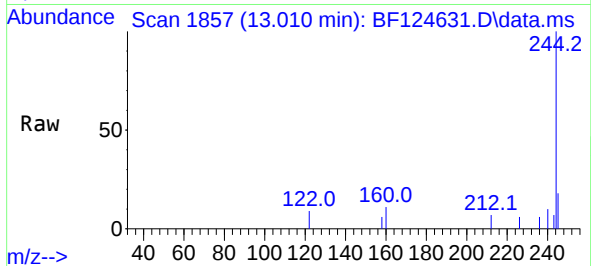
Tgt Ion:202 Resp: 15320
Ion Ratio Lower Upper
202 100
200 22.2 15.3 22.9
203 17.4 13.4 20.0





#79
Terphenyl-d14
Concen: 6.749 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

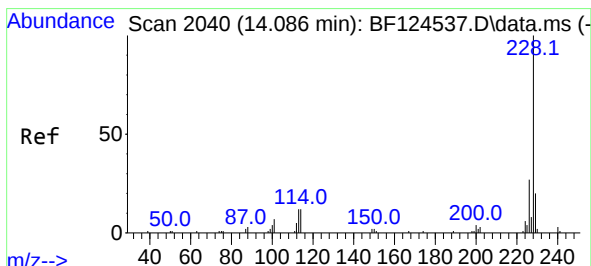
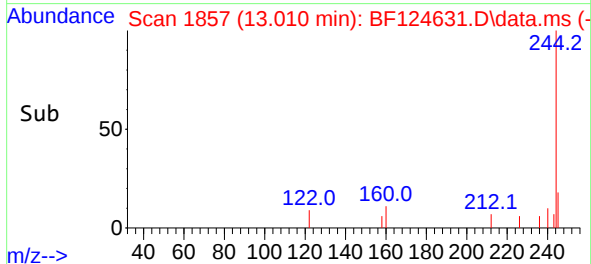
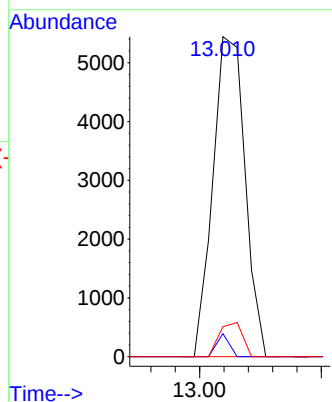
Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239



Tgt Ion:244 Resp: 4995
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 9.4 9.0 13.4

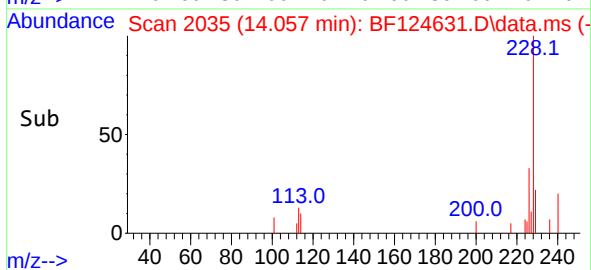
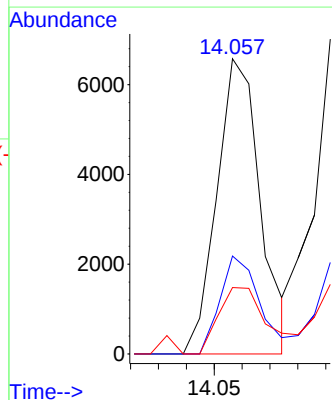
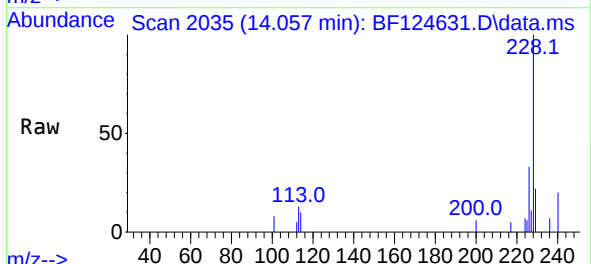
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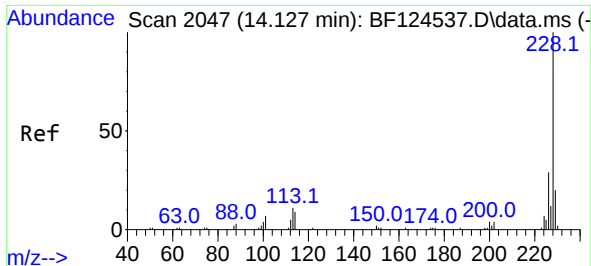
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#81
Benzo(a)anthracene
Concen: 8.660 ng m
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:228 Resp: 7138
Ion Ratio Lower Upper
228 100
226 33.2 21.6 32.4#
229 22.5 15.6 23.4





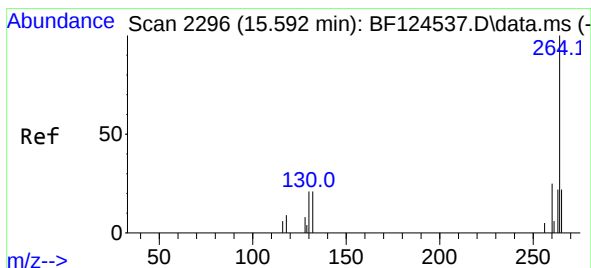
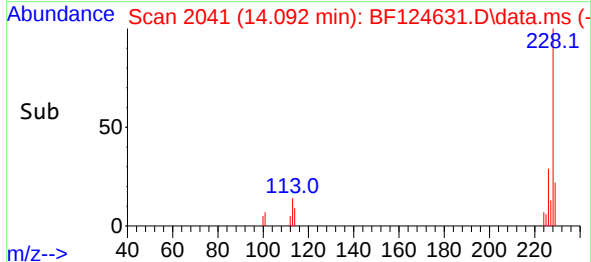
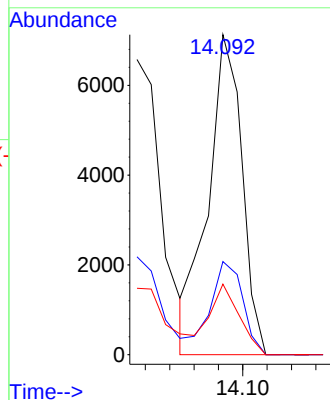
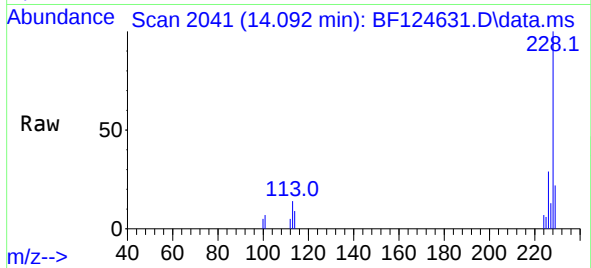
#83
Chrysene
Concen: 8.739 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 228	Resp: 6900
Ion Ratio	Lower Upper
228 100	
226 29.1	22.6 34.0
229 22.1	15.9 23.9

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239

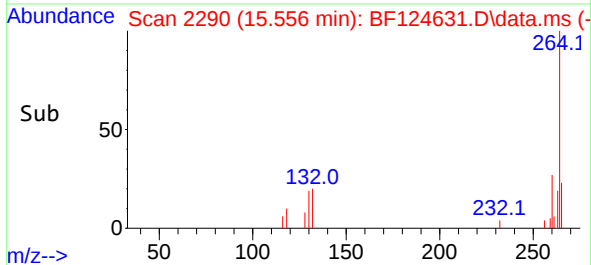
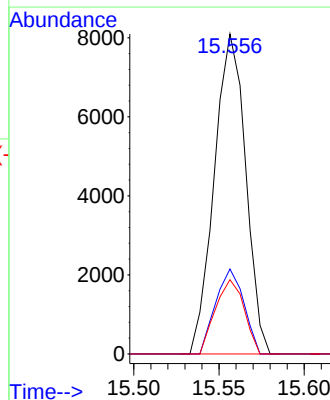
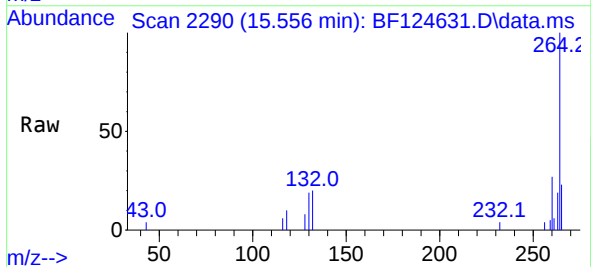
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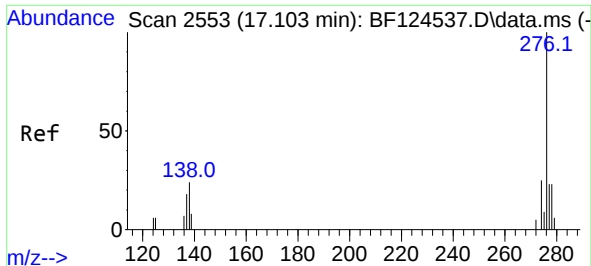
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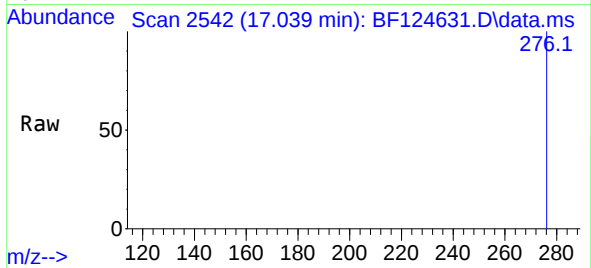
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.000 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt	Ion:264	Resp:	10364
Ion	Ratio	Lower	Upper
264	100		
260	26.6	19.6	29.4
265	23.2	17.2	25.8

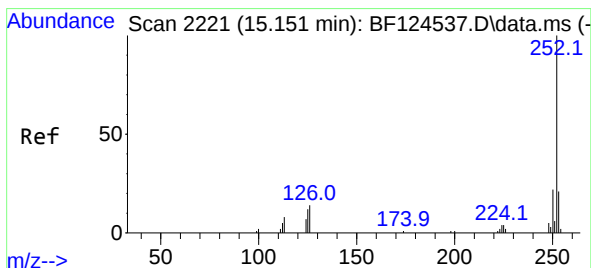
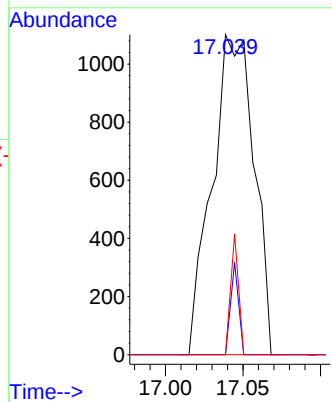
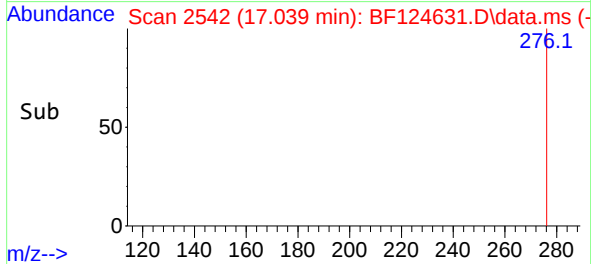




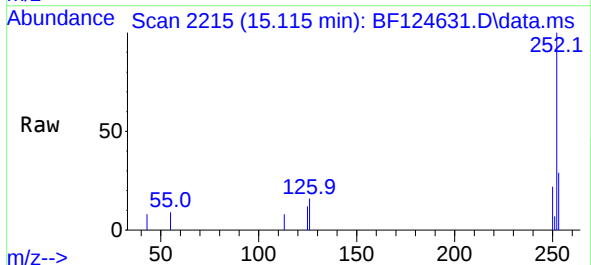
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.442 ng
RT: 17.039 min Scan# 2542
Delta R.T. -0.018 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



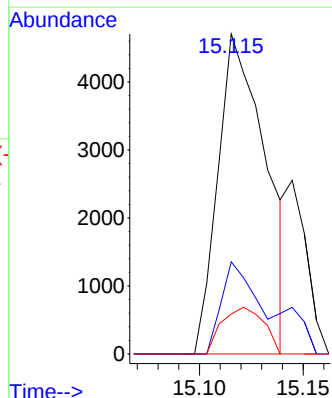
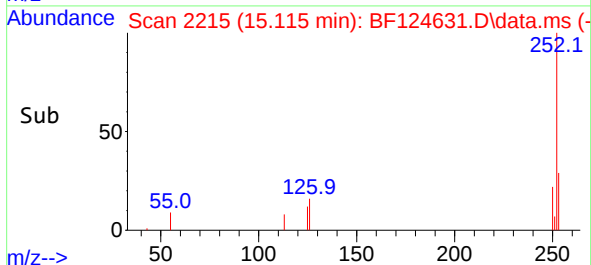
Tgt Ion: 276 Resp: 2069
Ion Ratio Lower Upper
276 100
138 5.4 24.1 36.1#
277 7.1 18.8 28.2#



#88
Benzo(b)fluoranthene
Concen: 10.122 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22



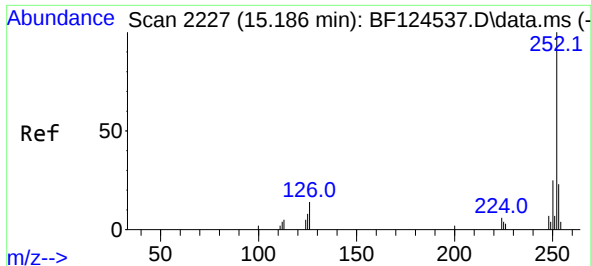
Tgt Ion: 252 Resp: 7530
Ion Ratio Lower Upper
252 100
253 28.8 16.8 25.2#
125 12.5 9.8 14.8



Instrument :
BNA_F
ClientSampled :
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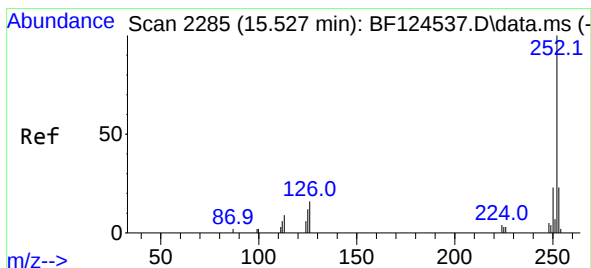
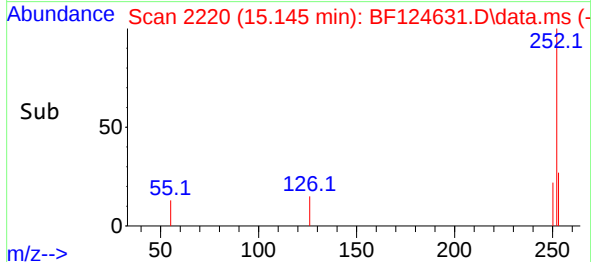
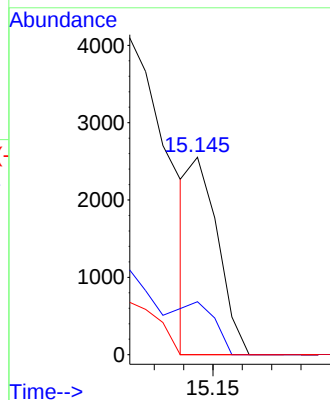
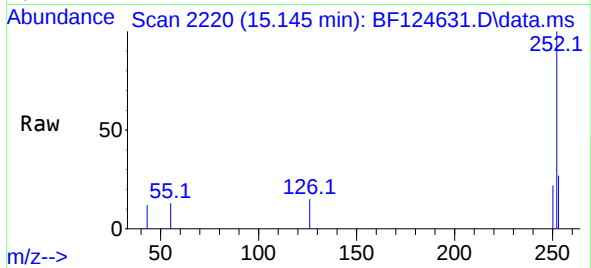
#89
Benzo(k)fluoranthene
Concen: 2.488 ng m
RT: 15.145 min Scan# 2220
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Tgt Ion:252 Resp: 1698
Ion Ratio Lower Upper
252 100
253 26.9 17.8 26.8#
125 0.0 7.2 10.8#

Instrument :
BNA_F
ClientSampled :
RO-VNJ-239

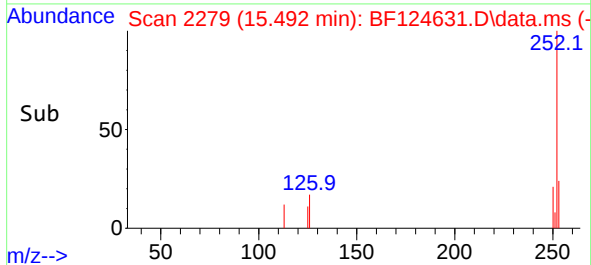
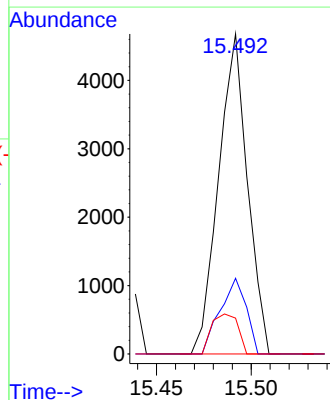
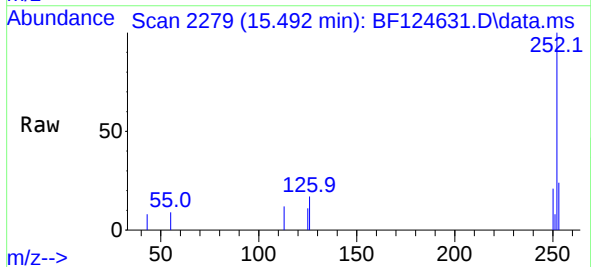
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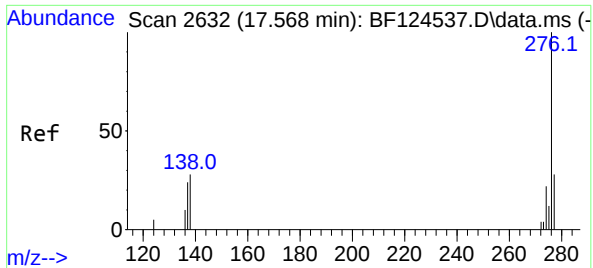
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#90
Benzo(a)pyrene
Concen: 8.066 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

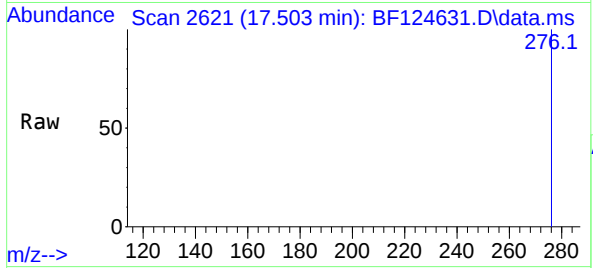
Tgt Ion:252 Resp: 4953
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 11.2 9.9 14.9





#92
Benzo(g,h,i)perylene
Concen: 3.832 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.012 min
Lab File: BF124631.D
Acq: 20 Jul 2021 15:22

Instrument :
BNA_F
ClientSampleId :
RO-VNJ-239



Tgt Ion:	276	Resp:	1914
Ion Ratio	Lower	Upper	
276	100		
277	0.0	22.0	33.0#
138	0.0	22.2	33.4#

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