

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115681.D
 Acq On : 19 Jul 2019 19:34
 Operator : HP/JU
 Sample : K3887-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

Manual Integrations
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mohammad
 7/22/2019 10:01:39 AM

Quant Time: Jul 22 05:21:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	217331	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	856702	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	405419	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	643629	20.00	ng	0.00
76) Chrysene-d12	14.05	240	340908	20.00	ng	0.00
87) Perylene-d12	15.52	264	333015	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1255924	94.53	ng	0.00
7) Phenol-d6	6.52	99	1684410	99.91	ng	0.00
23) Nitrobenzene-d5	7.45	82	1072637	72.80	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	395147	83.50	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1668627	72.04	ng	-0.01
79) Terphenyl-d14	12.99	244	1315359	71.19	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.19	128	209849	5.058	ng	95
37) 2-Methylnaphthalene	8.87	142	84907	3.087	ng	99
49) Acenaphthylene	9.78	152	682453	17.452	ng	97
50) Dimethylphthalate	9.63	163	281506	9.229	ng	99
58) Fluorene	10.46	166	96129	3.750	ng	98
71) Phenanthrene	11.43	178	914920	27.732	ng	97
72) Anthracene	11.48	178	348868	10.232	ng	99
75) Fluoranthene	12.63	202	2404368	68.965	ng	99
78) Pyrene	12.86	202	3305628	114.449	ng	100
81) Benzo(a)anthracene	14.04	228	1283579m	57.152	ng	
83) Chrysene	14.08	228	1077364	47.785	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	265406	13.856	ng	96
88) Benzo(b)fluoranthene	15.10	252	894896m	41.733	ng	
89) Benzo(k)fluoranthene	15.12	252	199027m	10.410	ng	
90) Benzo(a)pyrene	15.46	252	486940	26.420	ng	99
91) Dibenzo(a,h)anthracene	17.01	278	76712	4.741	ng	98
92) Benzo(g,h,i)perylene	17.45	276	243096	15.065	ng	99

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

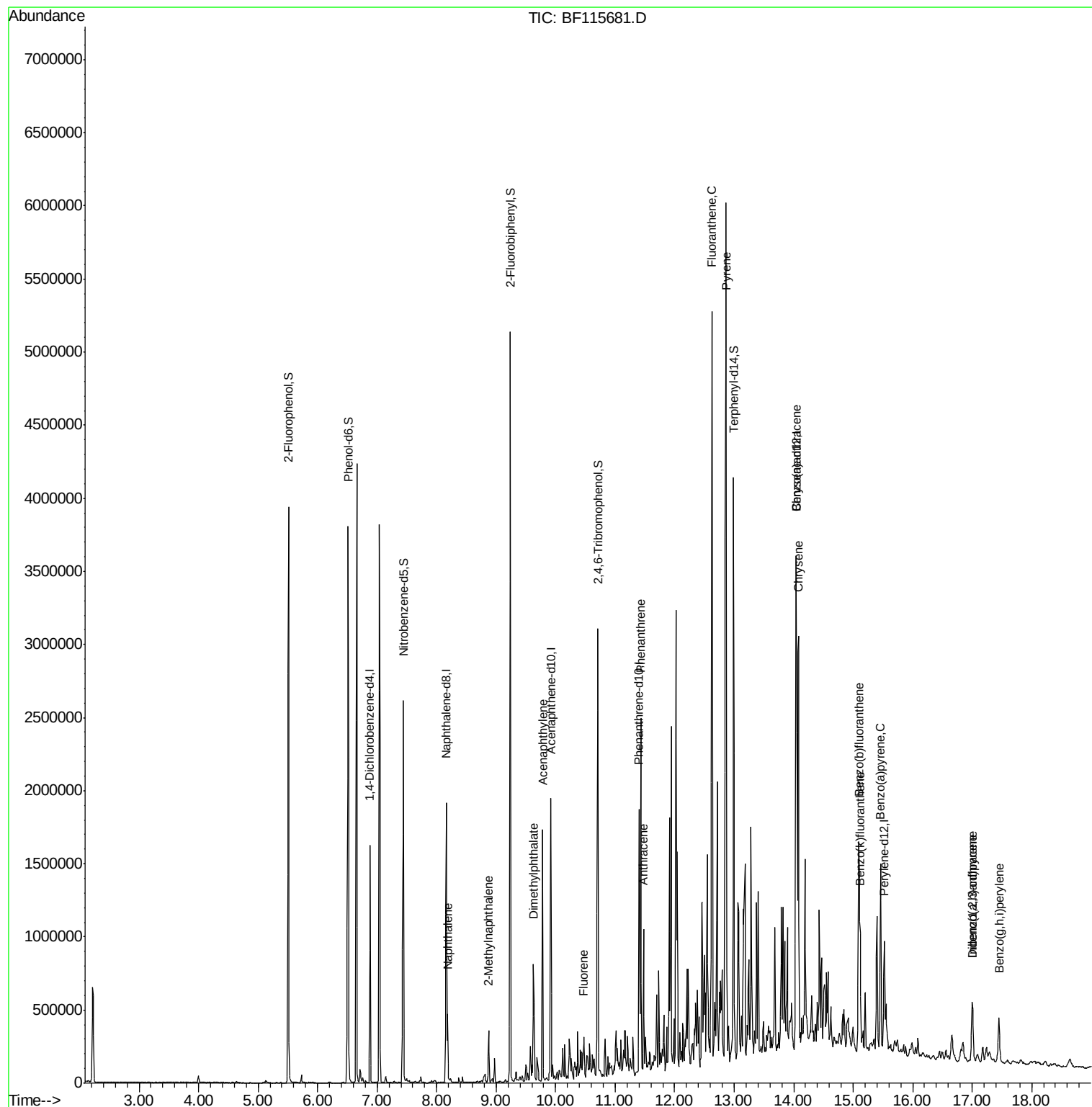
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
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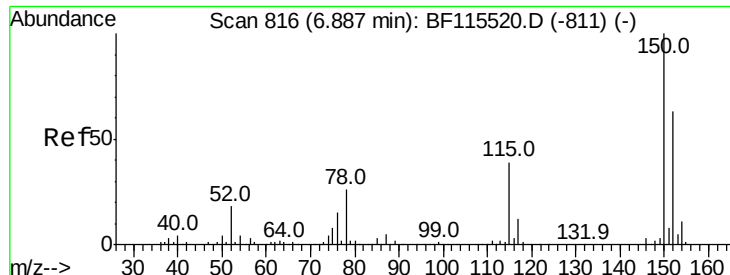
Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

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Quant Time: Jul 22 05:21:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

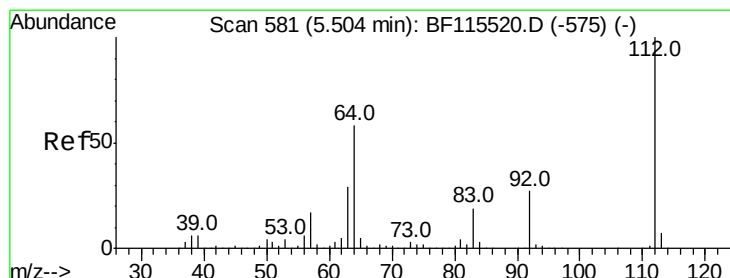
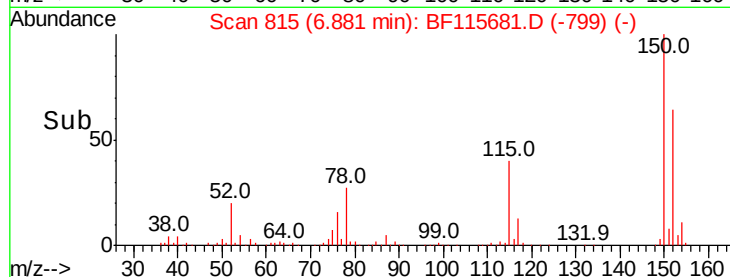
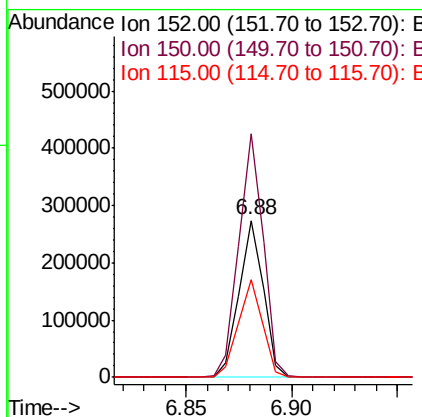
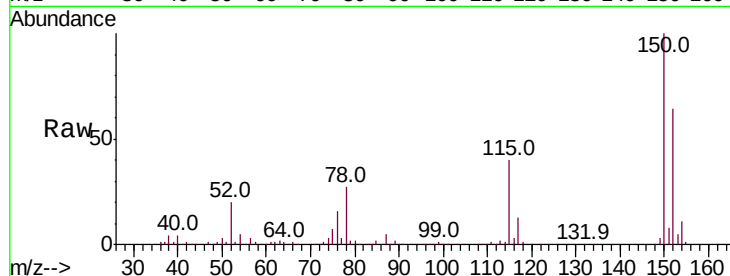
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampled :
AOC-7(4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	129.7	194.5
115	62.1	48.2	72.4

Manual Integrations
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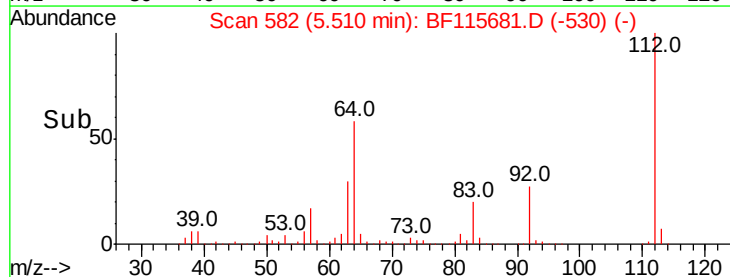
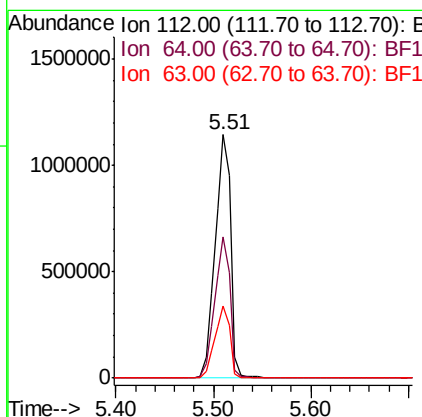
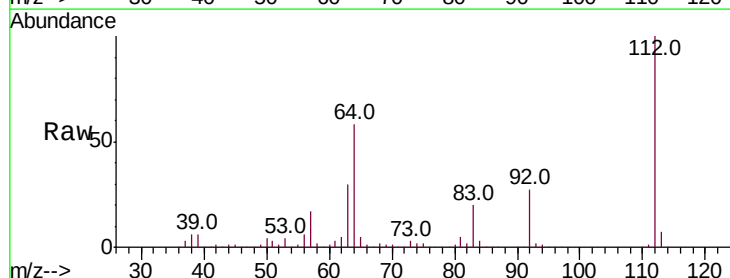
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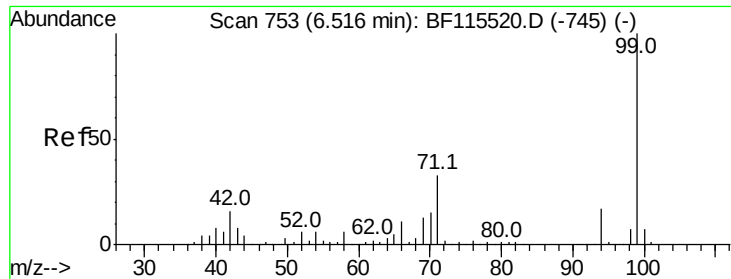


#5

2-Fluorophenol
Concen: 94.525 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.8	70.2
63	29.6	24.1	36.1





#7

Phenol-d6

Concen: 99.910 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Instrument :

BNA_F

ClientSampleId :

AOC-7(4)

Tot Ion: 99 Resp: 1684410

Ion Ratio Lower Upper

99 100

42 16.5 13.6 20.4

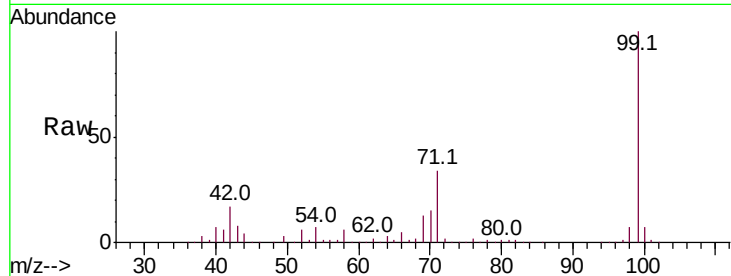
71 34.1 28.5 42.7

Manual Integrations

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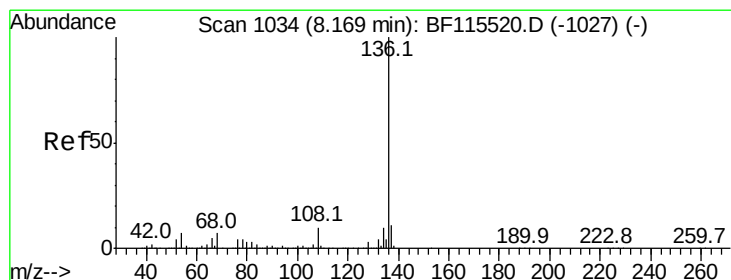
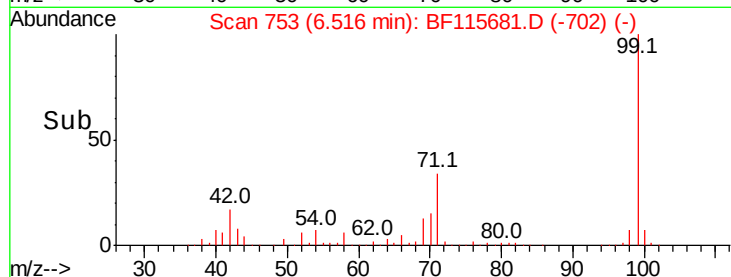
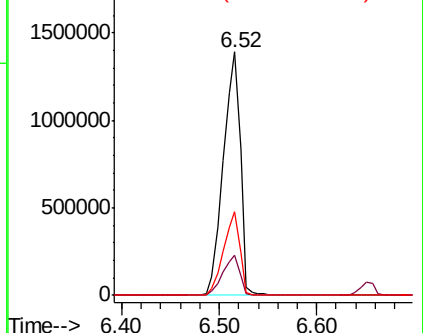
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Tgt Ion: 136 Resp: 856702

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.1 5.6 8.4

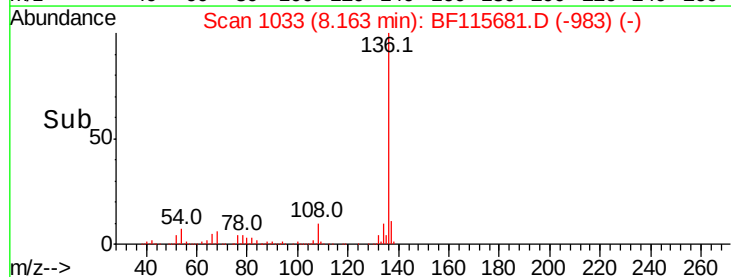
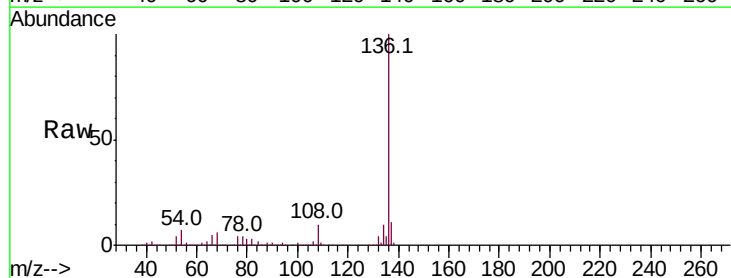
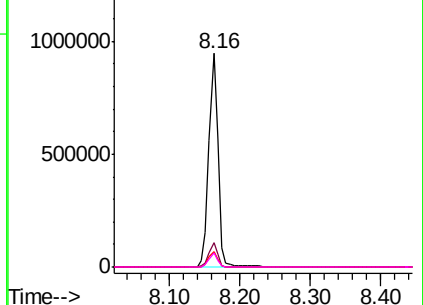
68 6.5 5.0 7.6

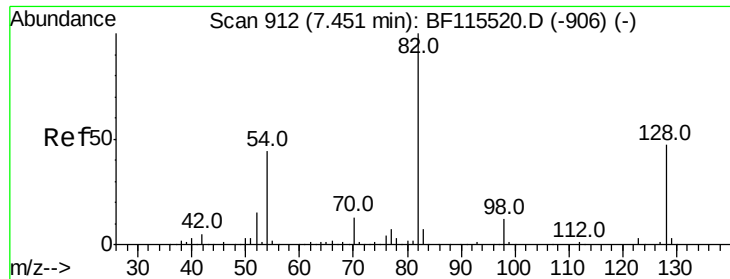
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 72.803 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Instrument :

BNA_F

ClientSampleId :

AOC-7(4)

Tot Ion: 82 Resp: 1072637

Ion Ratio Lower Upper

82 100

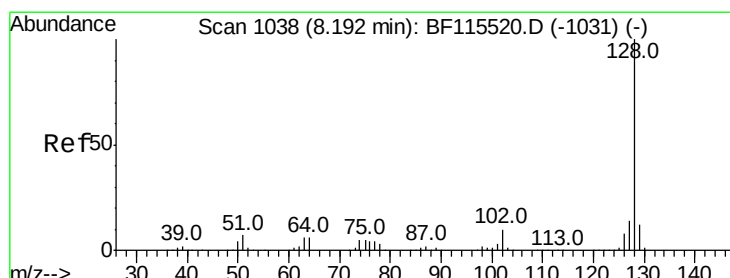
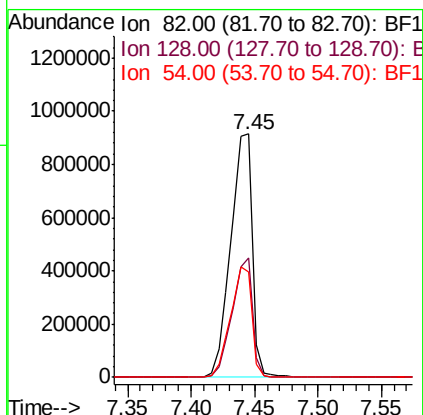
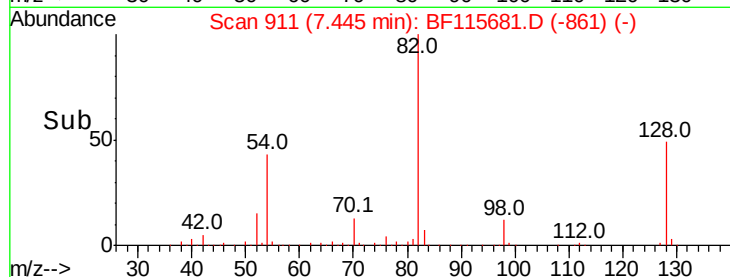
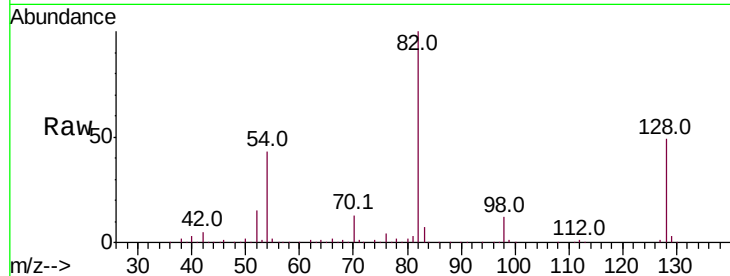
128 49.1 38.6 57.8

54 43.1 35.6 53.4

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#31

Naphthalene

Concen: 5.058 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

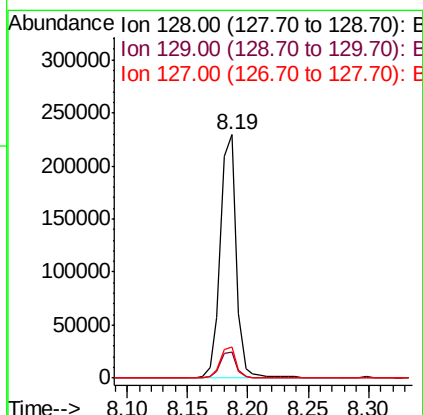
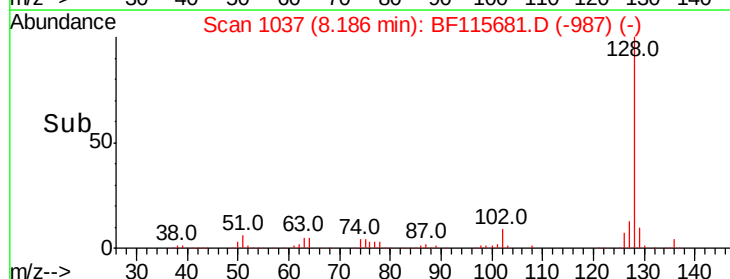
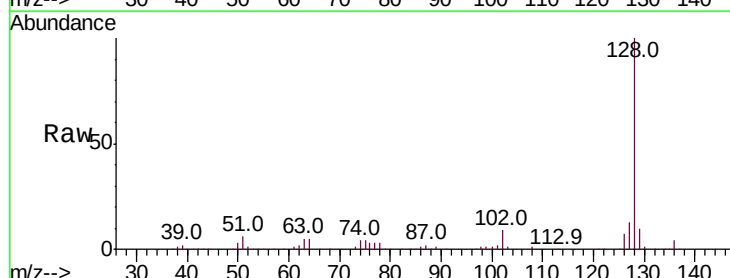
Tgt Ion: 128 Resp: 209849

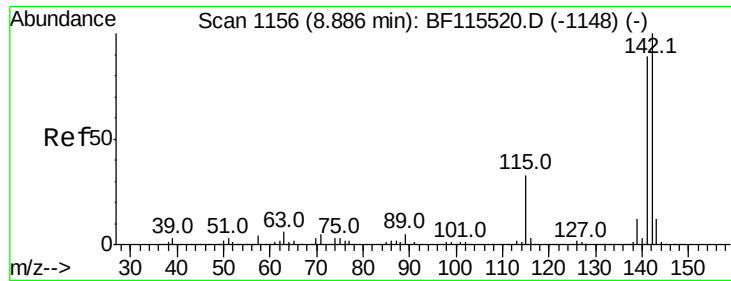
Ion Ratio Lower Upper

128 100

129 10.5 9.9 14.9

127 12.8 12.1 18.1





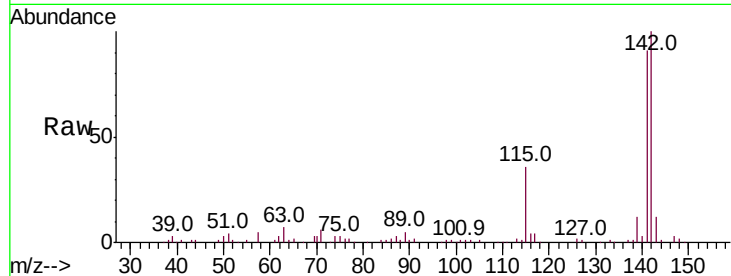
#37
2-Methylnaphthalene
Concen: 3.087 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampled :
AOC-7(4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.0	108.0
115	36.3	29.9	44.9

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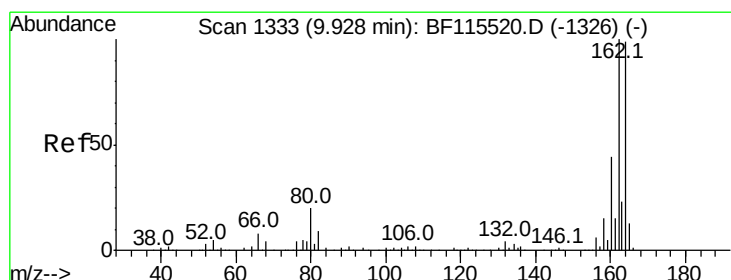
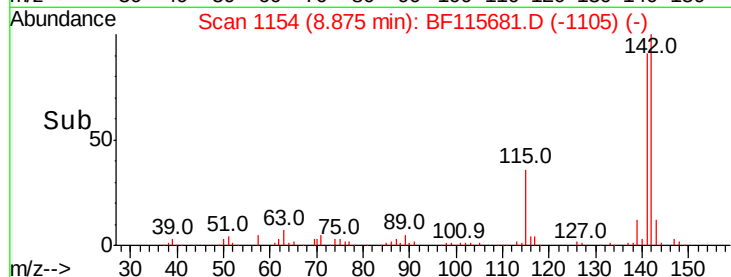
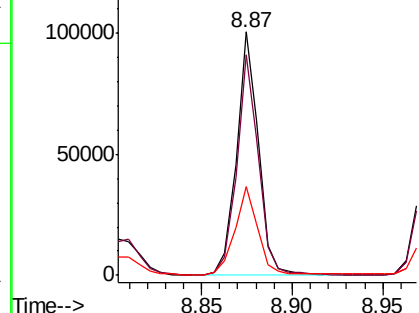


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

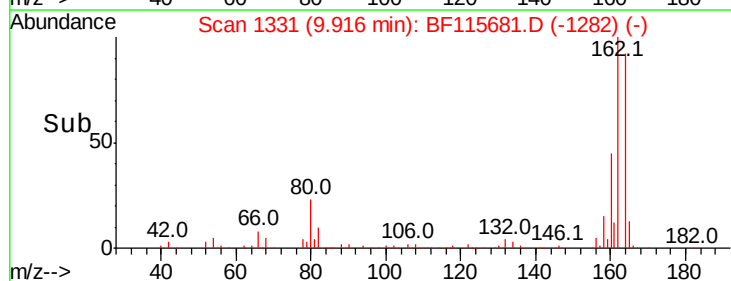
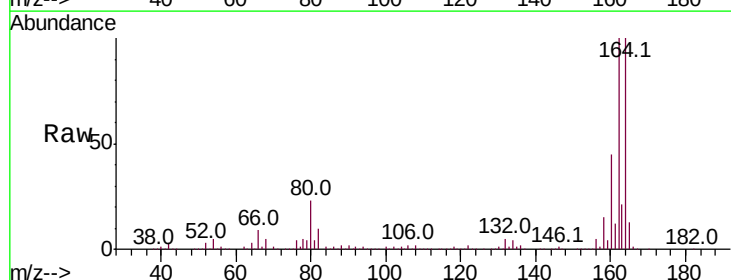
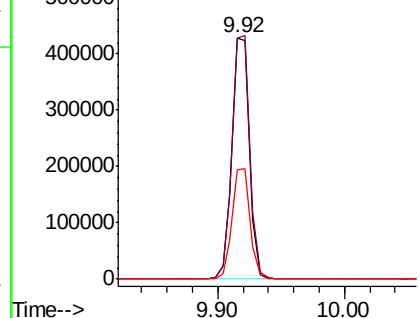
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.9	124.3
160	45.2	36.8	55.2

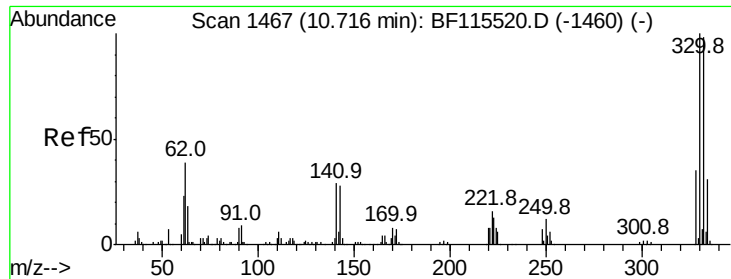
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





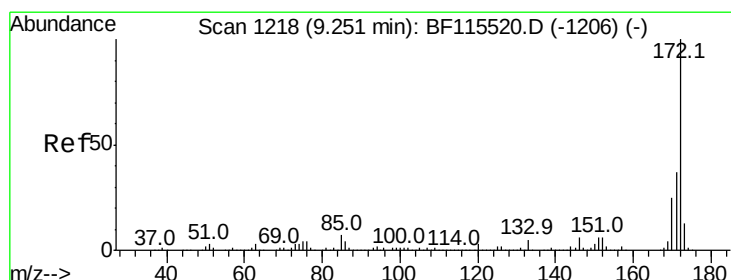
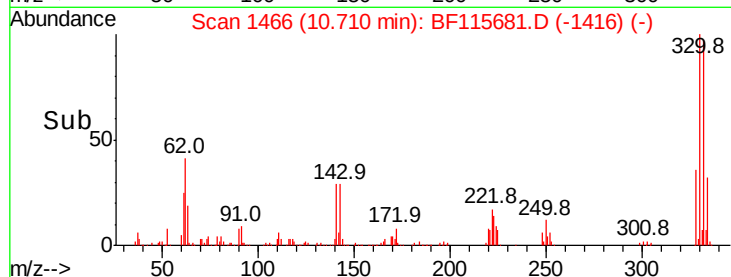
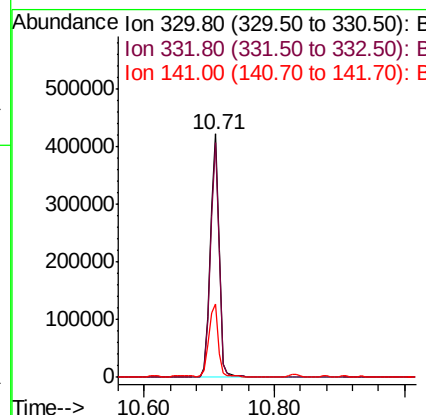
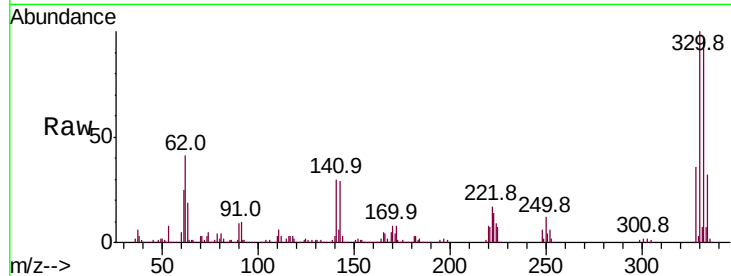
#42
 2,4,6-Tribromophenol
 Concen: 83.501 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Instrument :
 BNA_F
 ClientSampled :
 AOC-7(4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	395147		
332	95.8	77.4	116.2	
141	32.2	22.4	33.6	

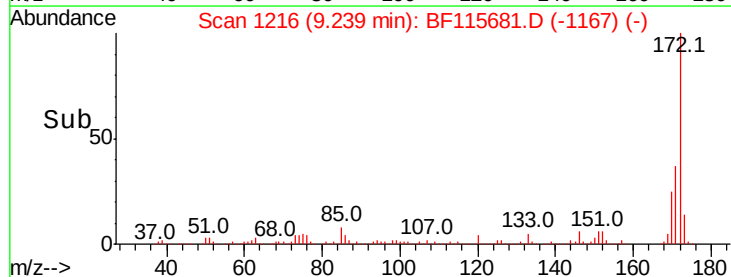
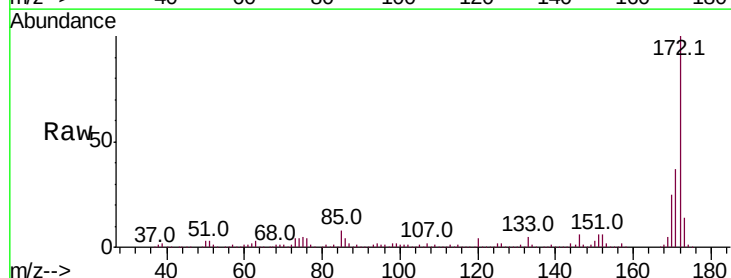
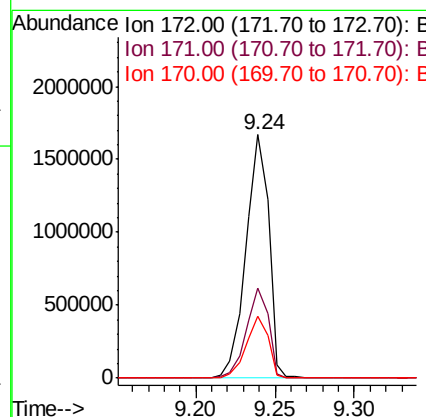
Manual Integrations
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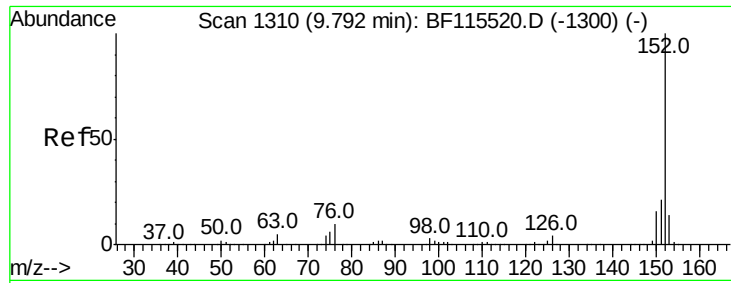
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#45
 2-Fluorobiphenyl
 Concen: 72.038 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1668627		
171	37.0	30.6	46.0	
170	25.3	20.5	30.7	





#49

Acenaphthylene

Concen: 17.452 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Instrument :

BNA_F

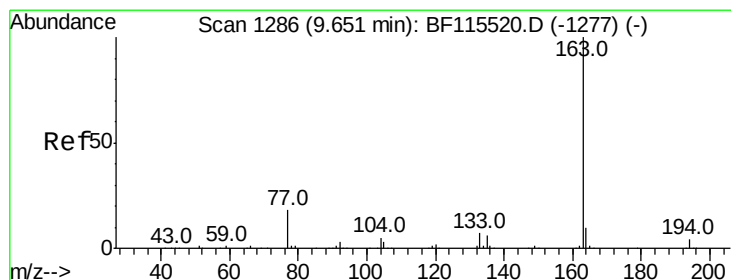
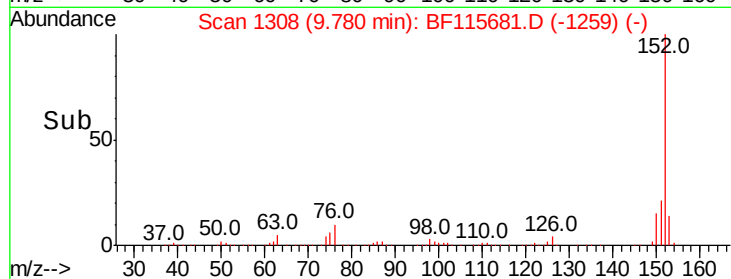
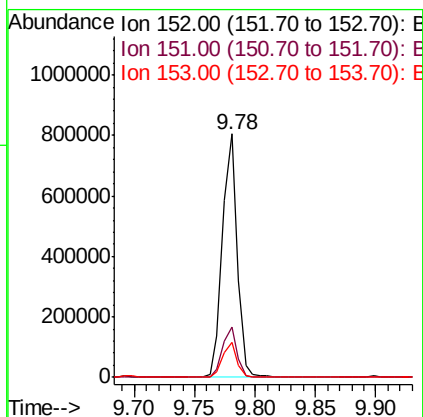
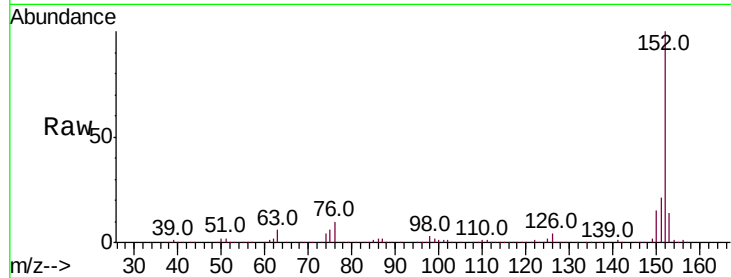
ClientSampled :

AOC-7(4)

Tot Ion:	152	Resp:	682453
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.7	26.5
153	14.1	12.0	18.0

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#50

Dimethylphthalate

Concen: 9.229 ng

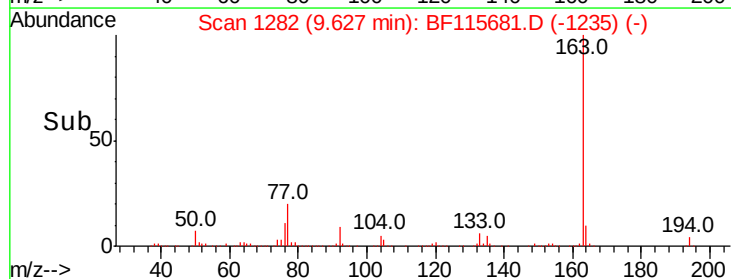
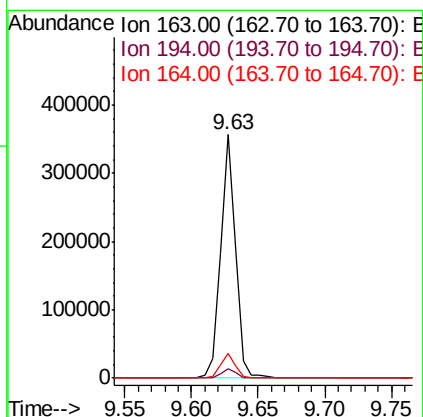
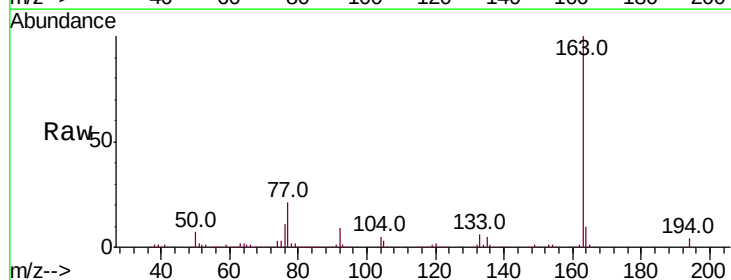
RT: 9.63 min Scan# 1282

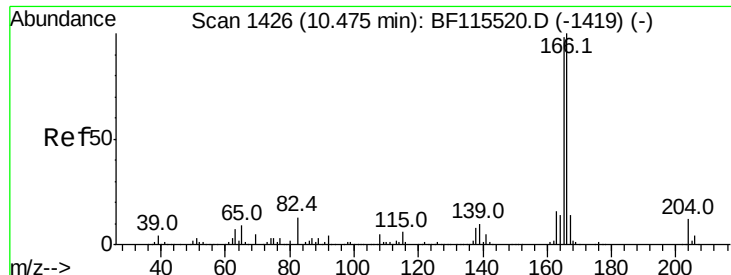
Delta R.T. -0.02 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Tgt Ion:	163	Resp:	281506
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.3	4.9
164	10.3	8.7	13.1





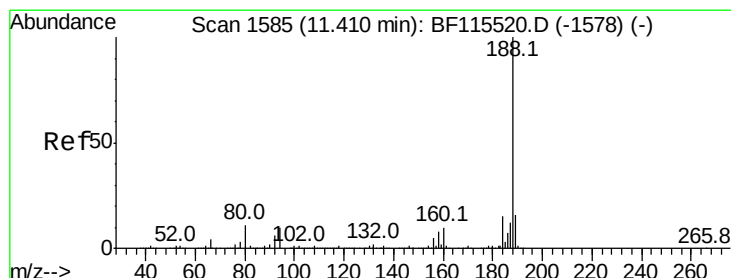
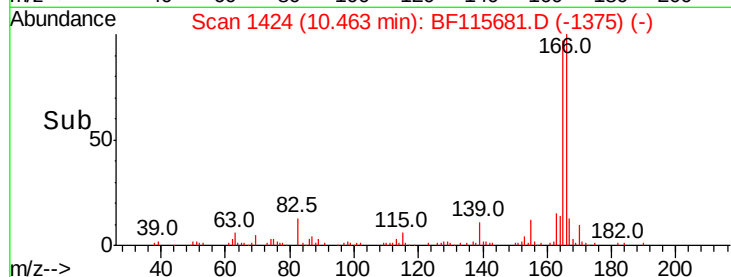
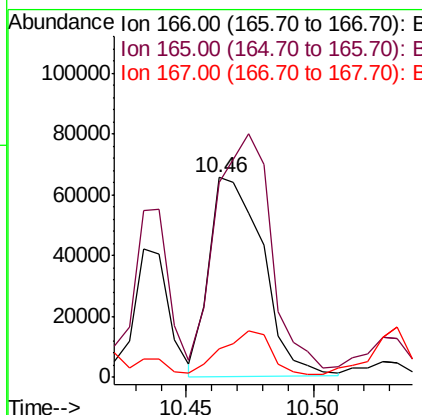
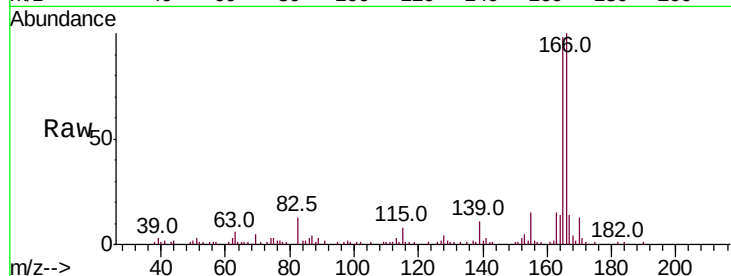
#58
 Fluorene
 Concen: 3.750 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.8	119.6
167	14.1	11.2	16.8

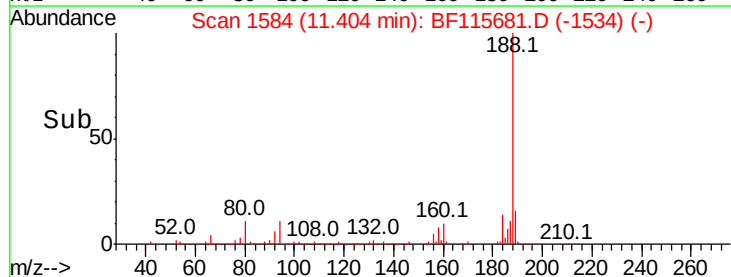
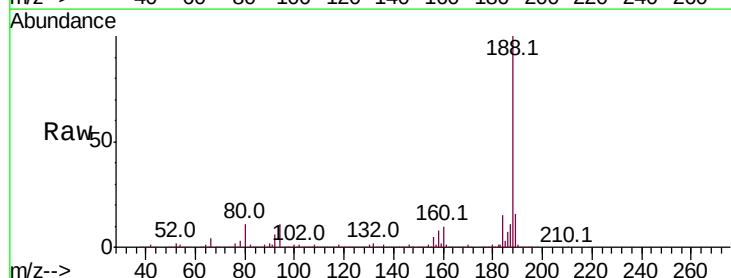
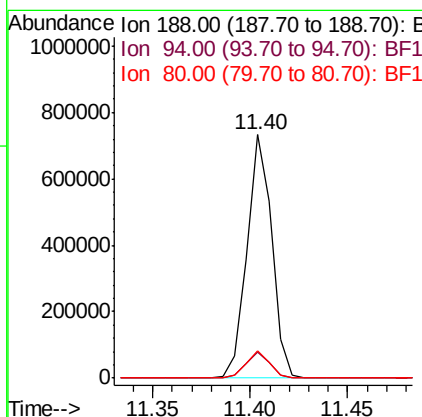
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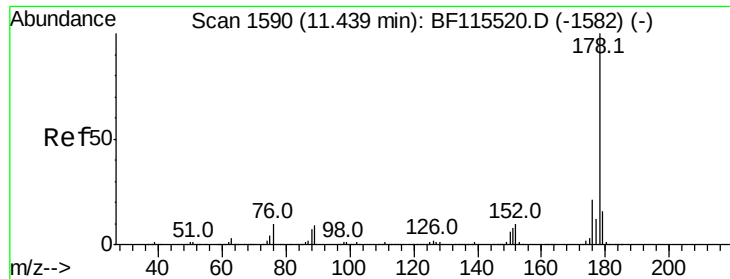
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	11.0	8.6	13.0





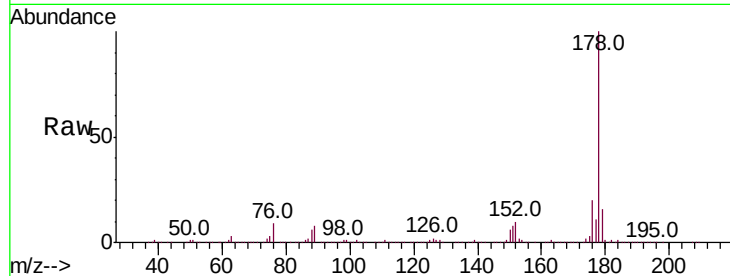
#71
Phenanthrene
Concen: 27.732 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampled :
AOC-7(4)

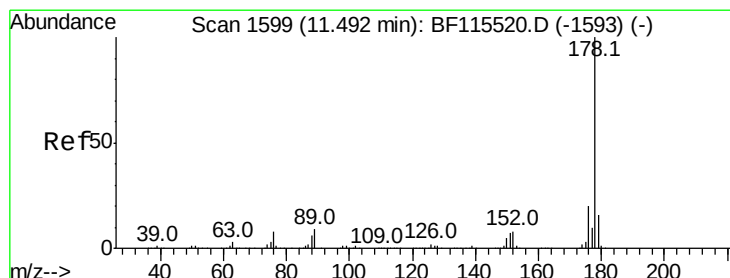
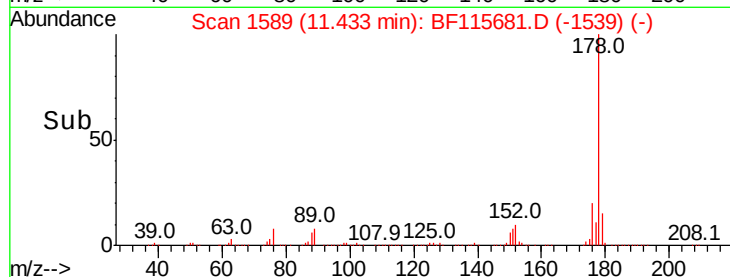
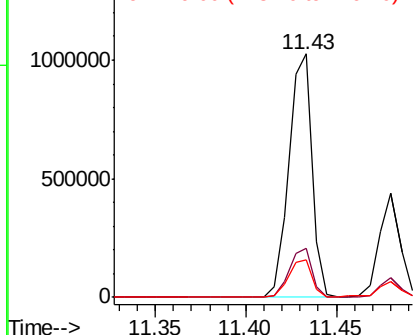
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	17.2	25.8
179	15.7	13.5	20.3

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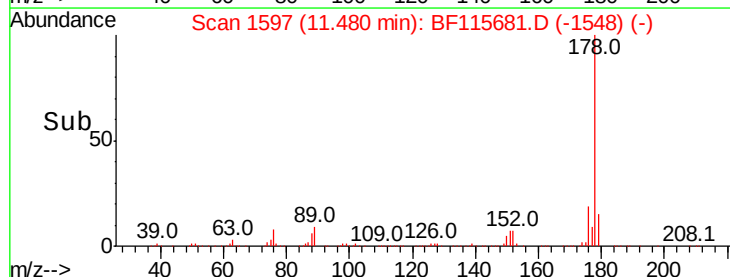
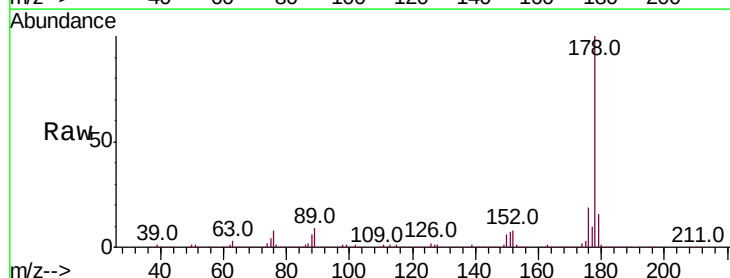
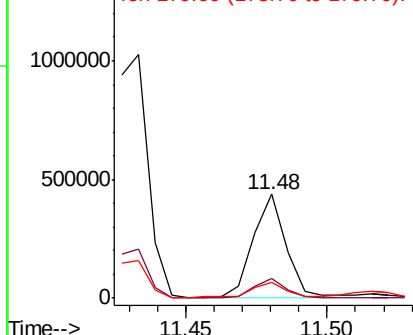
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

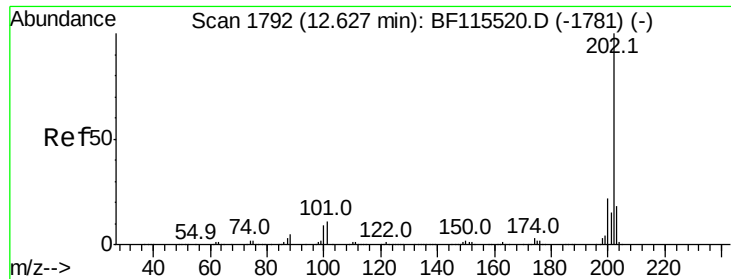


#72
Anthracene
Concen: 10.232 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.6	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 68.965 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Instrument :

BNA_F

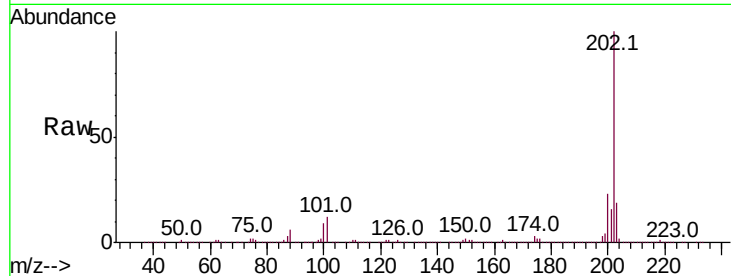
ClientSampled :

AOC-7(4)

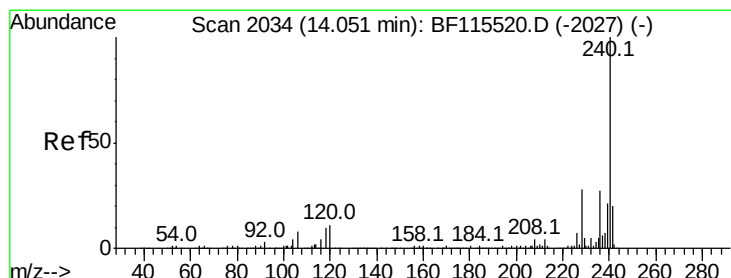
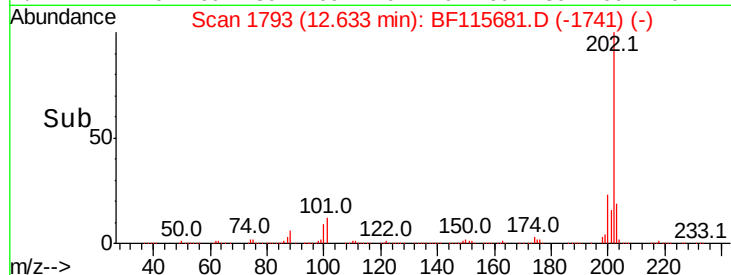
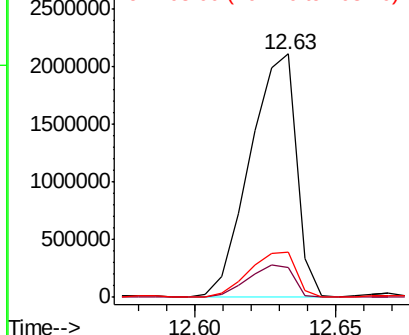
Tot Ion:	202	Resp:	2404368
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.4
203	18.6	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

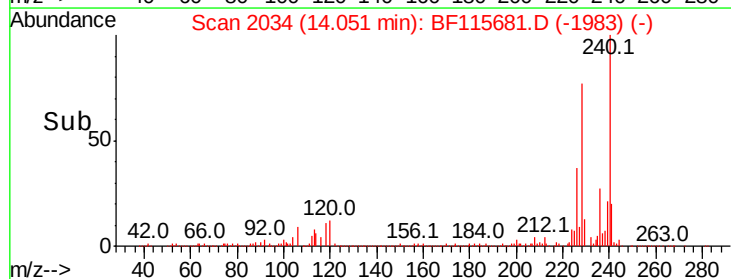
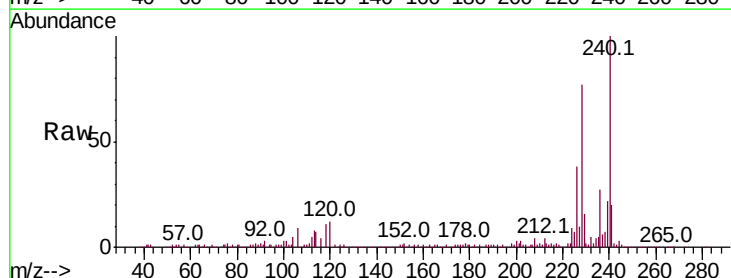
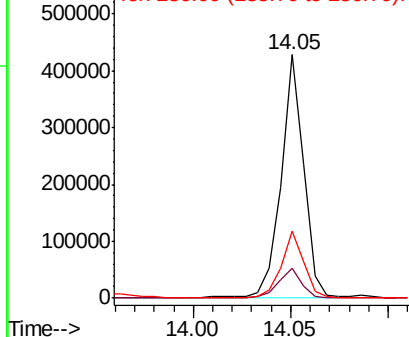
Delta R.T. -0.00 min

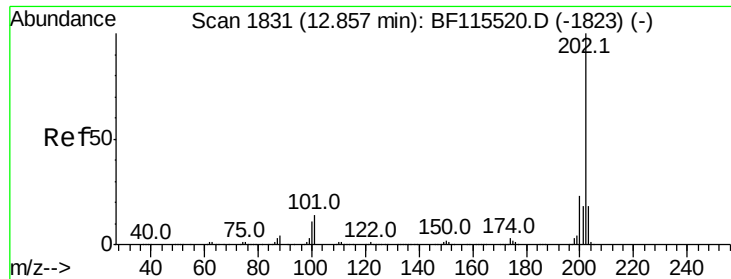
Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Tgt Ion:	240	Resp:	340908
Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.6	13.0
236	27.4	21.3	31.9

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 114.449 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

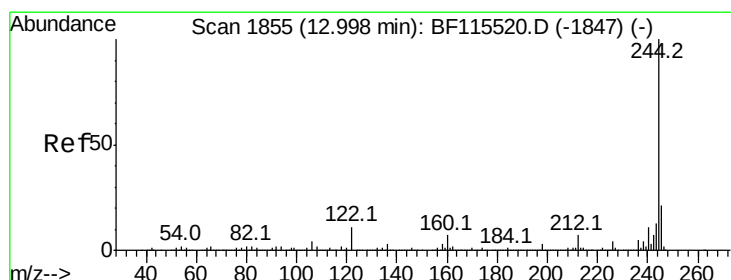
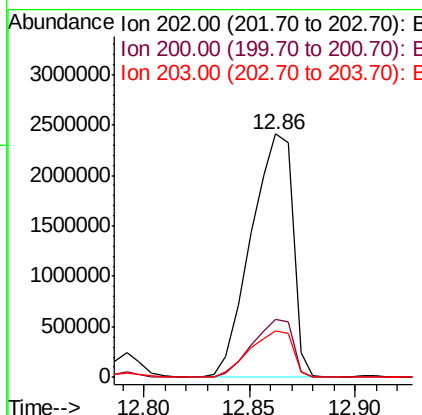
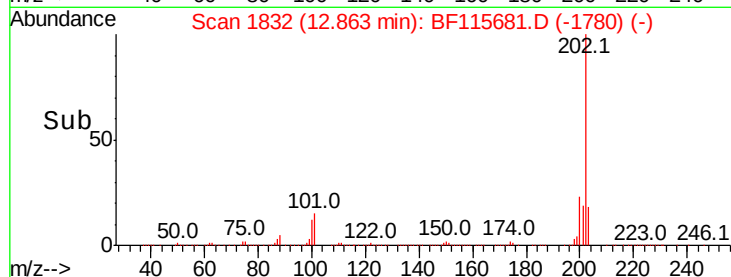
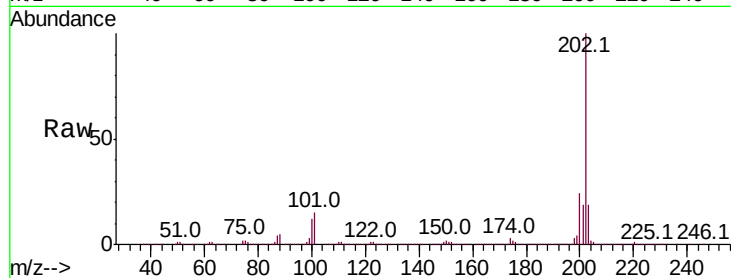
Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

Tot Ion:202 Resp: 3305628

Ion	Ratio	Lower	Upper
202	100		
200	23.6	18.7	28.1
203	19.1	15.2	22.8

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#79

Terphenyl-d14

Concen: 71.194 ng

RT: 12.99 min Scan# 1854

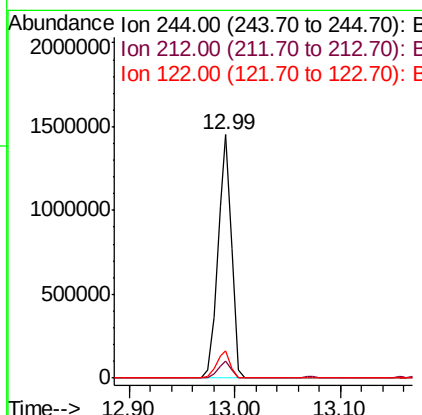
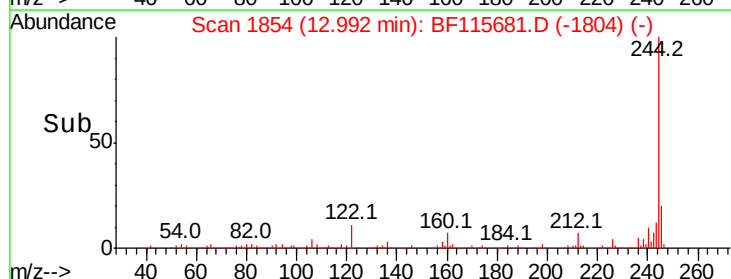
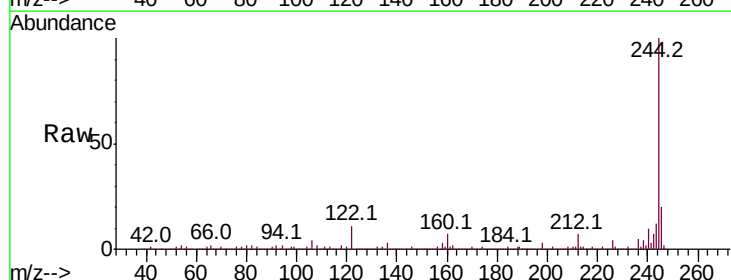
Delta R.T. -0.01 min

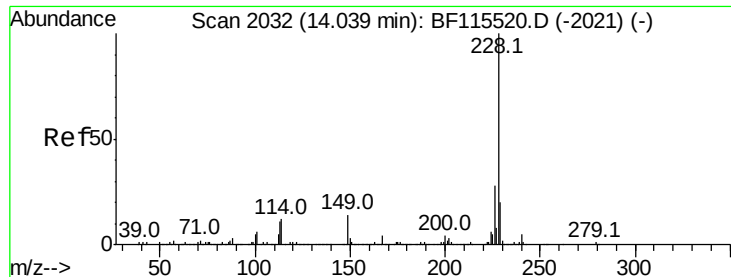
Lab File: BF115681.D

Acq: 19 Jul 2019 19:34

Tgt Ion:244 Resp: 1315359

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	11.5	8.6	12.8





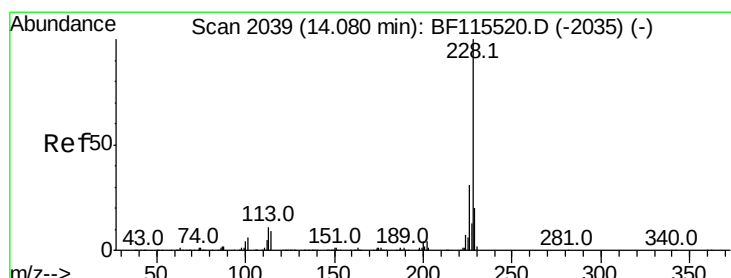
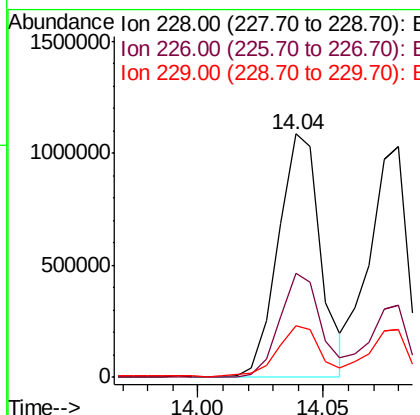
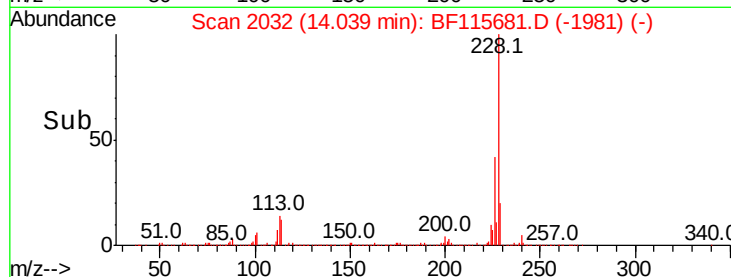
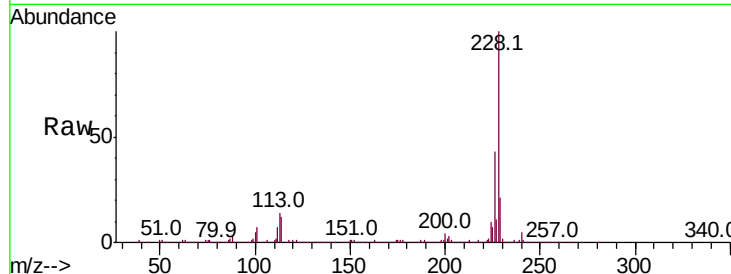
#81
Benzo(a)anthracene
Concen: 57.152 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampled :
AOC-7(4)

Tot Ion:228 Resp: 1283579
Ion Ratio Lower Upper
228 100
226 42.6 23.4 35.0#
229 21.0 17.2 25.8

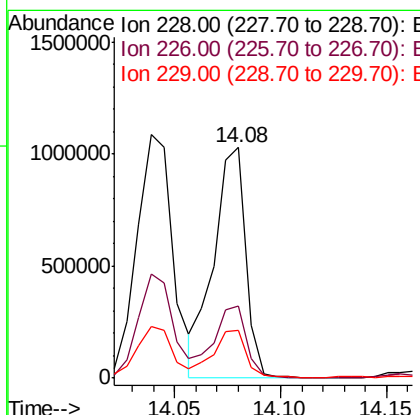
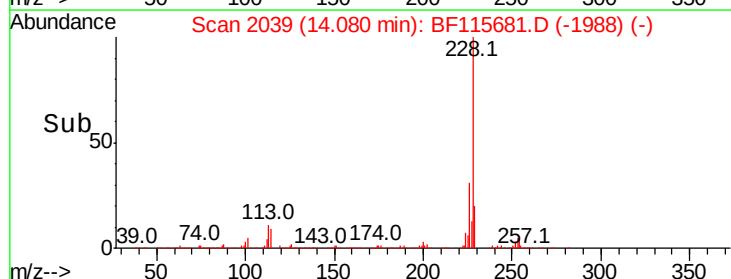
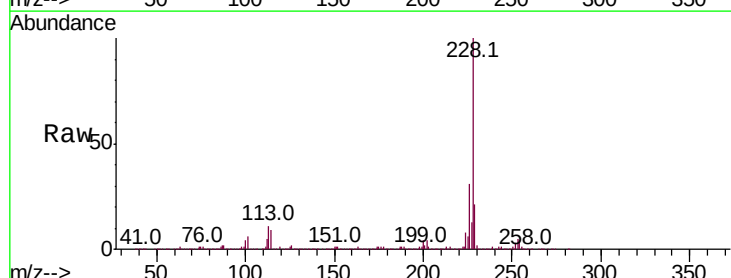
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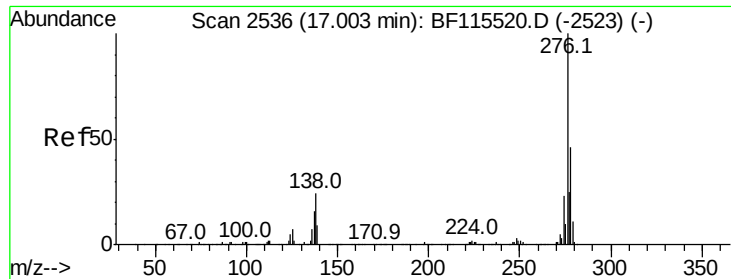
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#83
Chrysene
Concen: 47.785 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Tgt Ion:228 Resp: 1077364
Ion Ratio Lower Upper
228 100
226 31.4 25.7 38.5
229 20.6 16.6 25.0





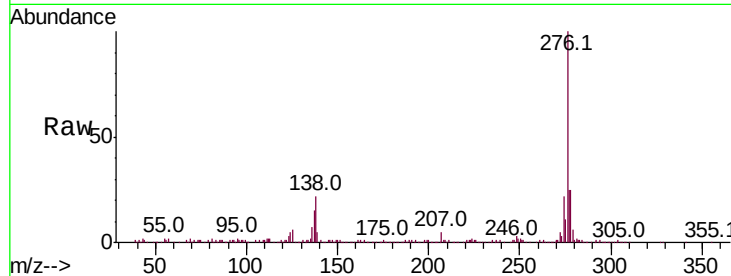
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.856 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. -0.00 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.2	30.2
277	24.4	20.4	30.6

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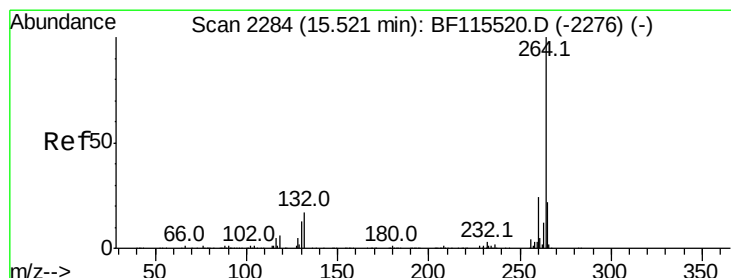
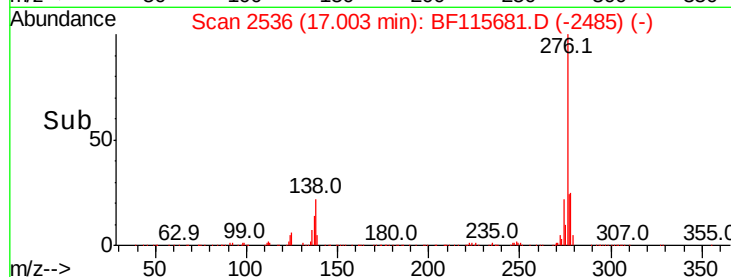
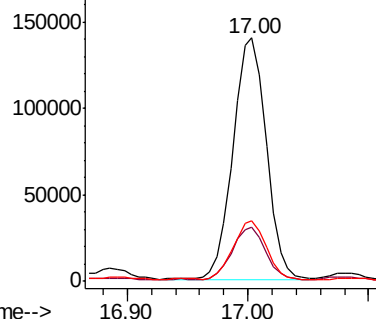


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.52 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

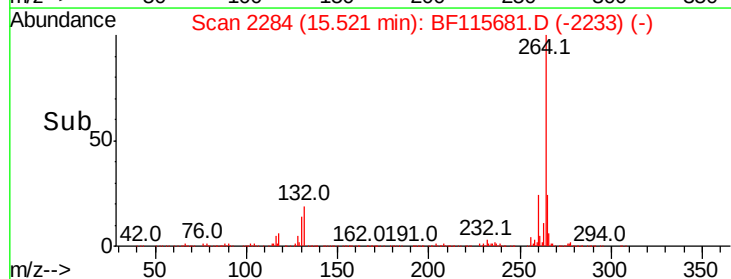
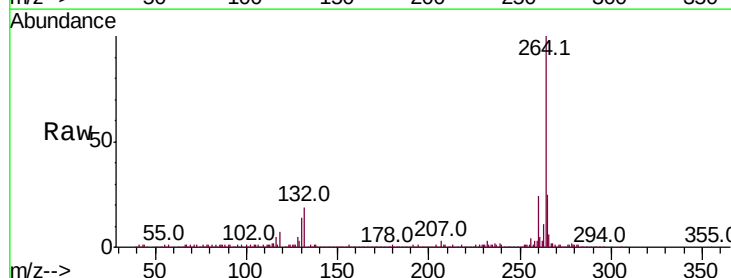
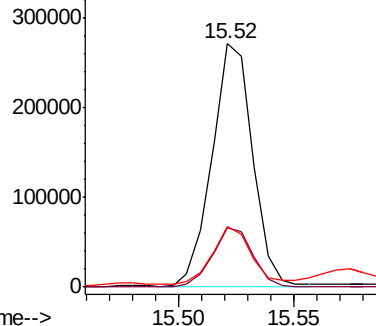
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	24.7	17.7	26.5

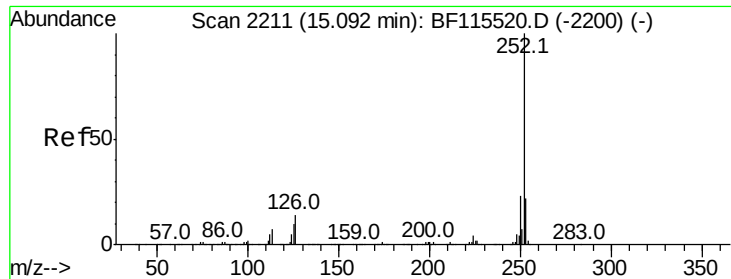
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





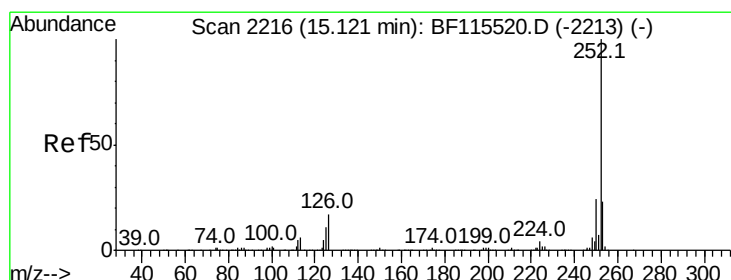
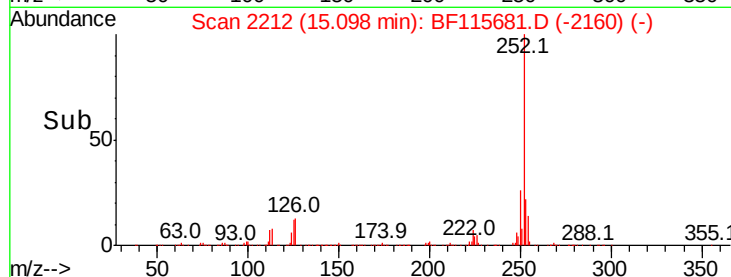
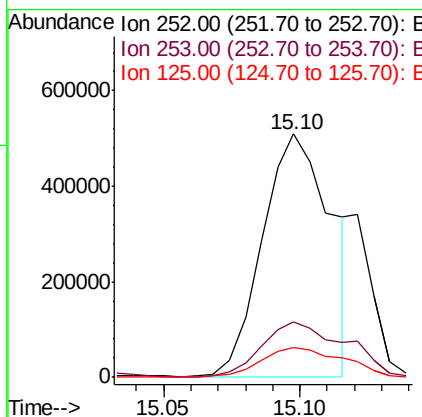
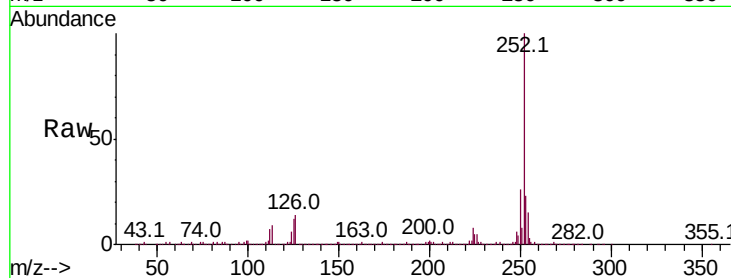
#88
Benzo(b)fluoranthene
Concen: 41.733 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	12.0	9.0	13.4

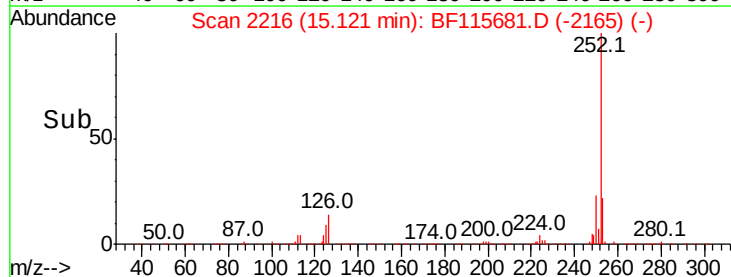
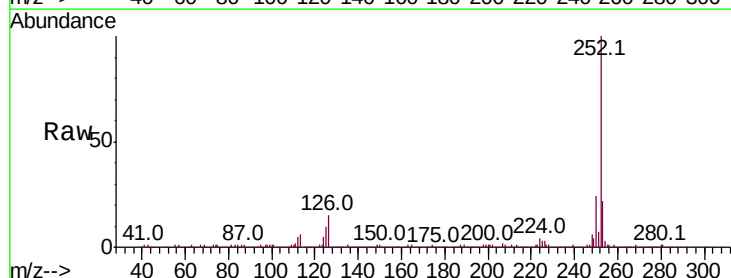
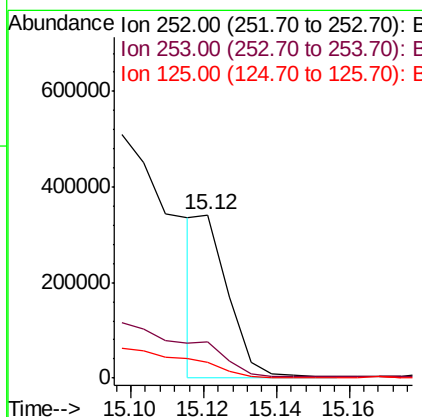
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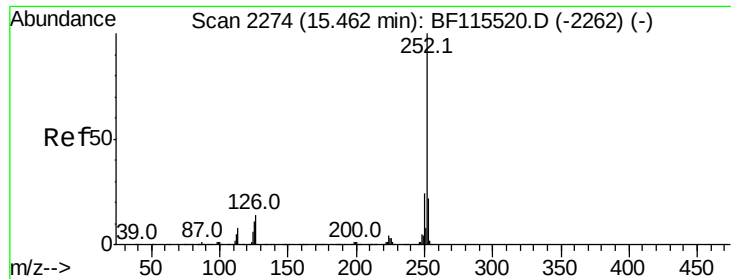
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#89
Benzo(k)fluoranthene
Concen: 10.410 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	28.0
125	9.7	9.0	13.6





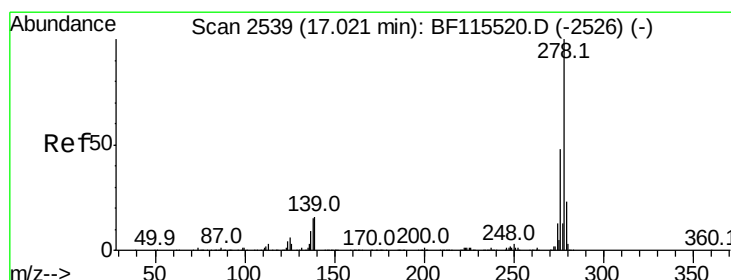
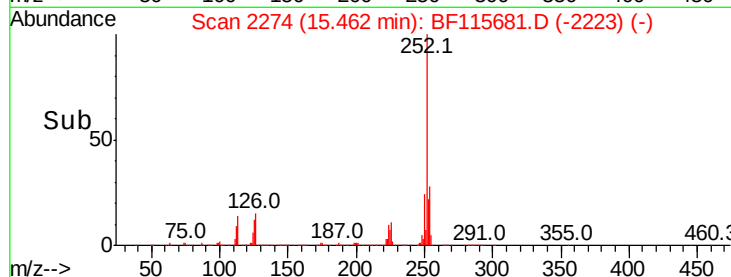
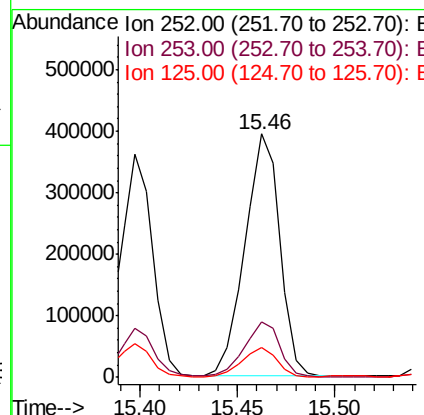
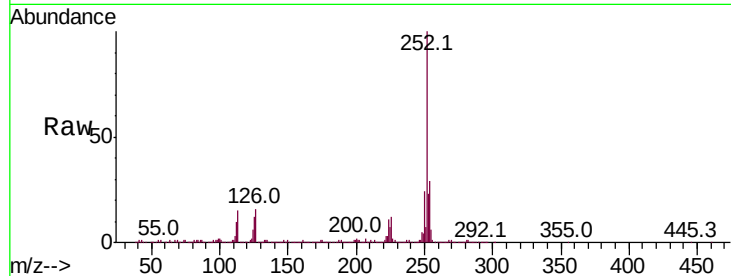
#90
Benzo(a)pyrene
Concen: 26.420 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Instrument :
BNA_F
ClientSampleId :
AOC-7(4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	12.0	9.1	13.7

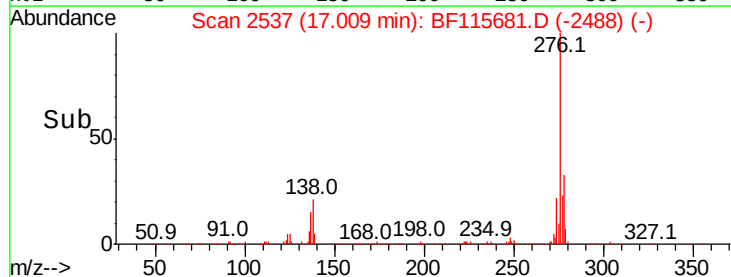
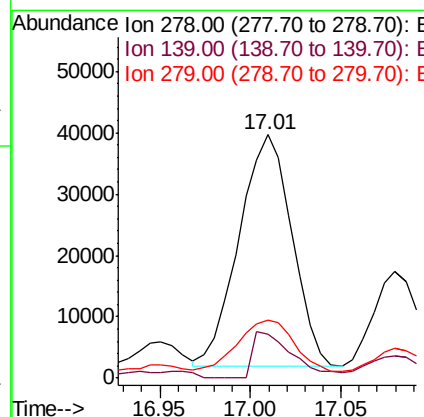
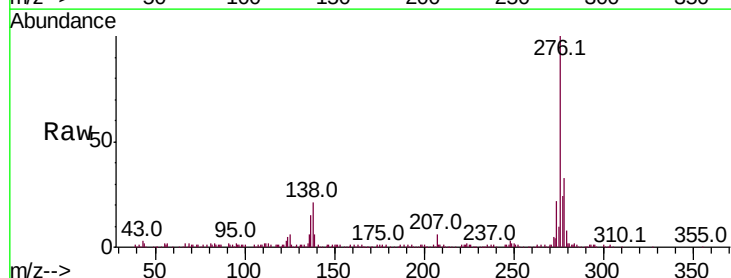
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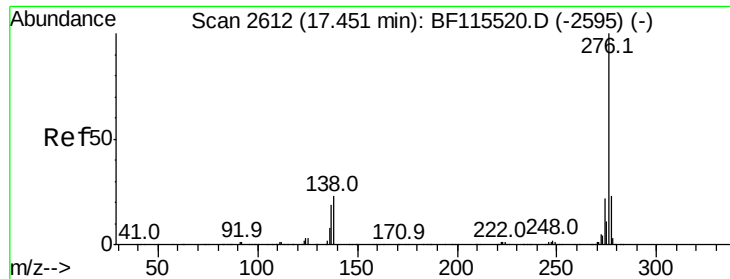
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#91
Dibenzo(a,h)anthracene
Concen: 4.741 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF115681.D
Acq: 19 Jul 2019 19:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.1	19.7
279	23.8	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 15.065 ng
 RT: 17.45 min Scan# 2612
 Delta R.T. -0.00 min
 Lab File: BF115681.D
 Acq: 19 Jul 2019 19:34

Instrument :
 BNA_F
 ClientSampleId :
 AOC-7(4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	22.3	17.2	25.8

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