

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
 Data File : BE099399.D
 Acq On : 27 Apr 2019 4:20
 Operator : JU/SJ
 Sample : K2533-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW020-042219

Manual Integrations
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Sohil
 4/29/2019 1:32:12 PM

Quant Time: Apr 29 05:16:31 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Apr 19 06:51:38 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2963	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	11763	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	8297	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	21765	0.40	ng	0.01
27) Chrysene-d12	21.37	240	24750	0.40	ng	0.00
34) Perylene-d12	23.88	264	28307	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.40	112	4032	0.56	ng	0.01
5) Phenol-d6	6.98	99	5715	0.55	ng	0.00
8) Nitrobenzene-d5	8.98	82	5375	0.59	ng	0.01
11) 2-Methylnaphthalene-d10	12.21	152	9787	0.47	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	2409	0.87	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	14204	0.44	ng	0.00
25) Fluoranthene-d10	19.22	212	115973	0.44	ng	0.00
29) Terphenyl-d14	19.82	244	19330	0.40	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.65	128	2578	0.020	ng	# 89
16) Acenaphthylene	14.18	152	1833	0.049	ng	# 96
23) Phenanthrene	17.24	178	15268	0.265	ng	98
24) Anthracene	17.32	178	2070	0.040	ng	100
26) Fluoranthene	19.25	202	48355	0.627	ng	98
28) Pyrene	19.62	202	49153	0.674	ng	# 96
30) Benzo(a)anthracene	21.35	228	30242	0.416	ng	93
31) Chrysene	21.40	228	29387	0.380	ng	93
32) Bis(2-ethylhexyl)phthalate	21.27	149	20657	0.312	ng	98
33) Indeno(1,2,3-cd)pyrene	26.52	276	13516	0.177	ng	# 86
35) Benzo(b)fluoranthene	23.11	252	37341	0.431	ng	# 83
36) Benzo(k)fluoranthene	23.15	252	14016m	0.162	ng	
37) Benzo(a)pyrene	23.76	252	24587	0.317	ng	# 82
38) Dibenzo(a,h)anthracene	26.55	278	3553m	0.045	ng	
39) Benzo(a,h,i)perylene	27.34	276	12143	0.151	ng	# 86

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

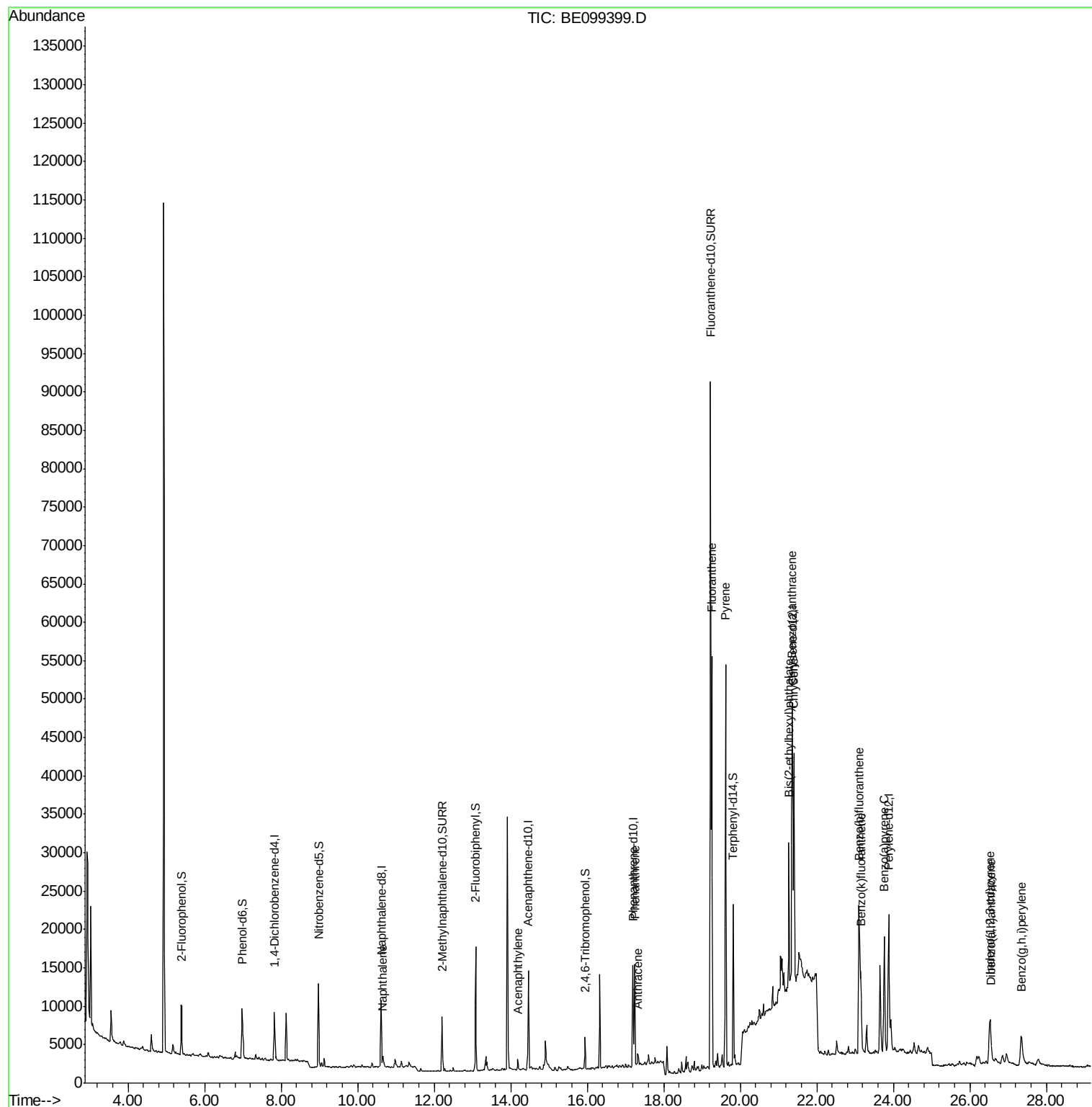
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE042619\
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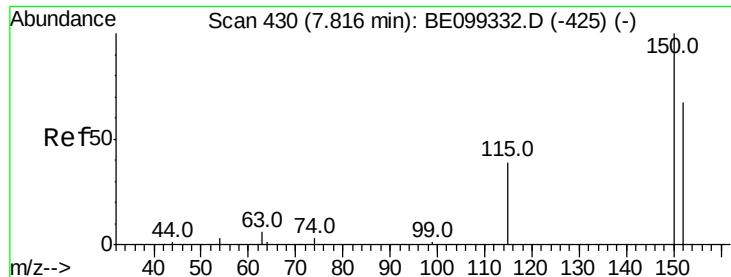
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE041819.M
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QLast Update : Fri Apr 19 06:51:38 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.82 min Scan# 430

Delta R.T. 0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

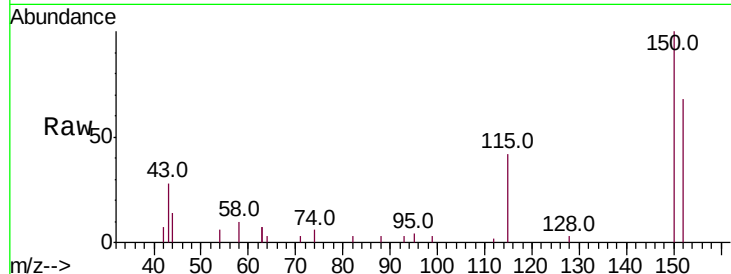
ClientSampleId :

EXT-027-SW020-042219

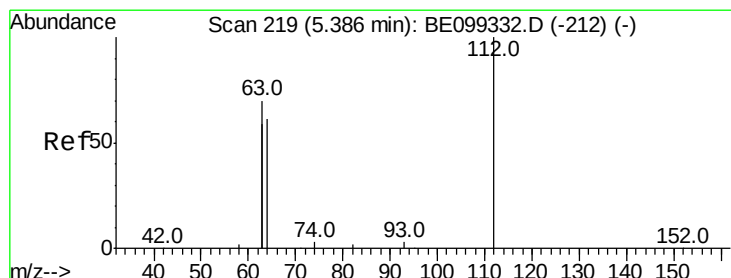
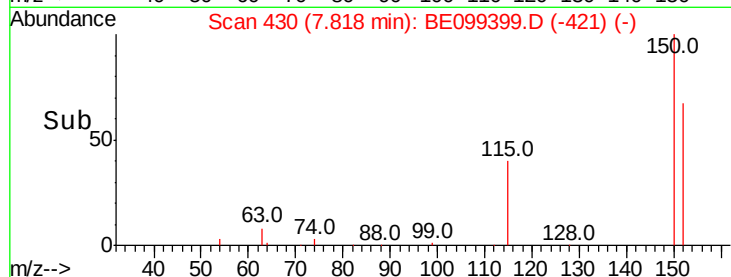
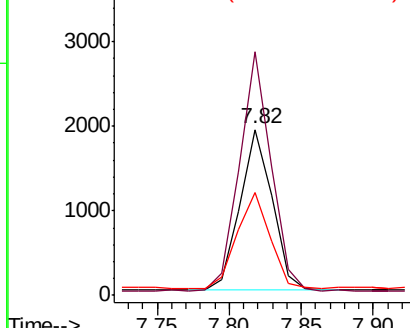
Tot Ion:	152	Resp:	2963
Ion	Ratio	Lower	Upper
152	100		
150	146.8	119.5	179.3
115	61.9	47.5	71.3

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.557 ng

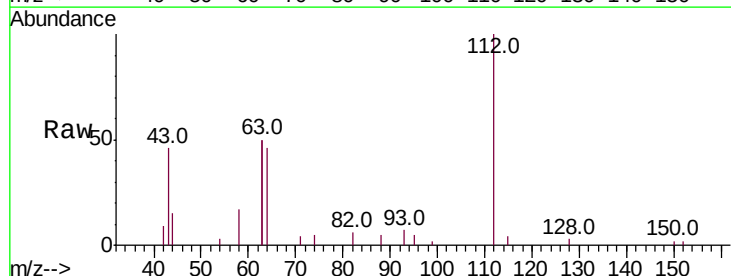
RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

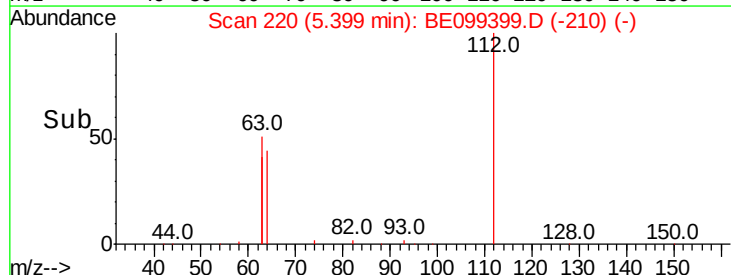
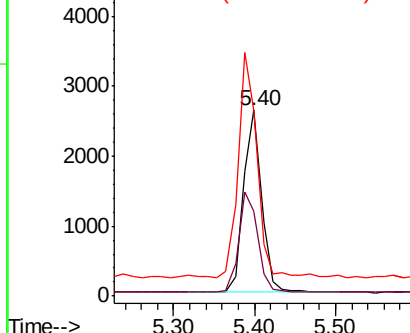
Lab File: BE099399.D

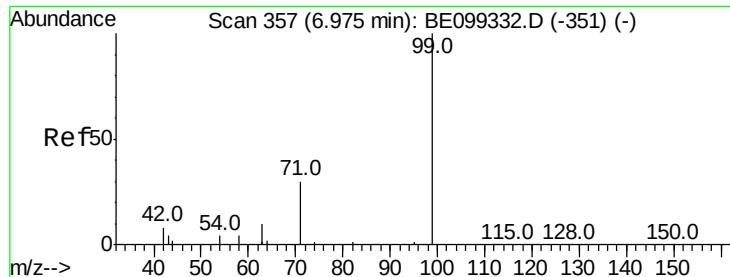
Acq: 27 Apr 2019 4:20

Tgt Ion:	112	Resp:	4032
Ion	Ratio	Lower	Upper
112	100		
64	58.0	44.9	67.3
63	126.1	97.4	146.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.553 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

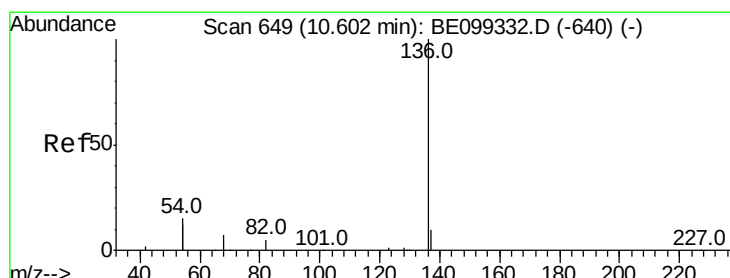
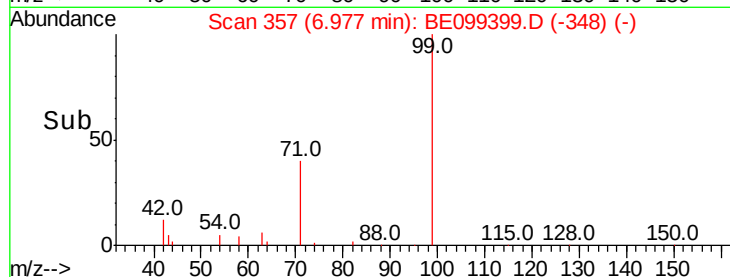
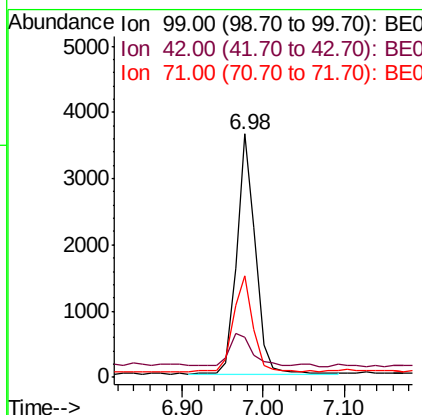
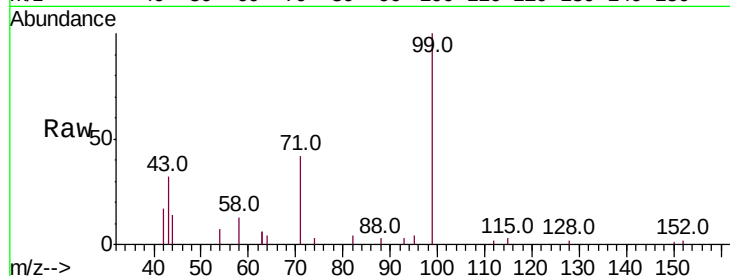
ClientSampleId :

EXT-027-SW020-042219

Tot Ion:	99	Resp:	5715
Ion	Ratio	Lower	Upper
99	100		
42	16.2	11.7	17.5
71	42.4	29.6	44.4

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#7

Naphthalene-d8

Concen: 0.400 ng

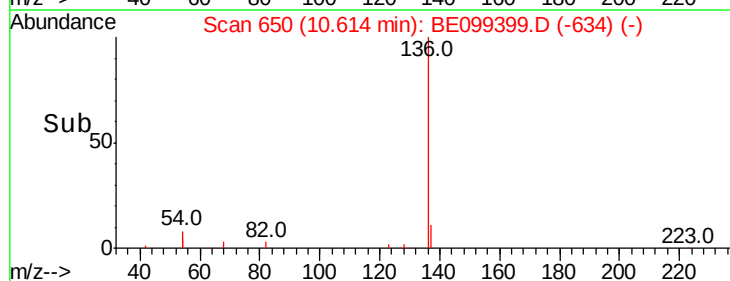
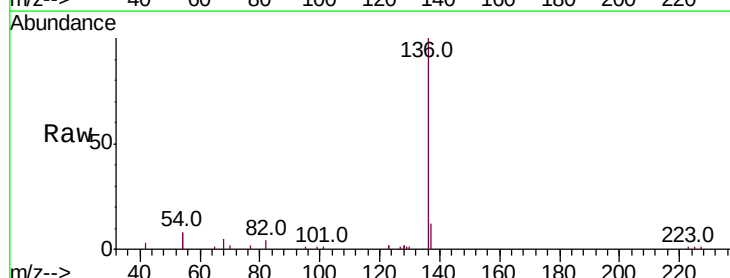
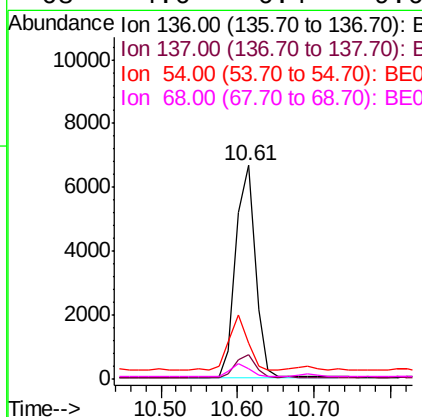
RT: 10.61 min Scan# 650

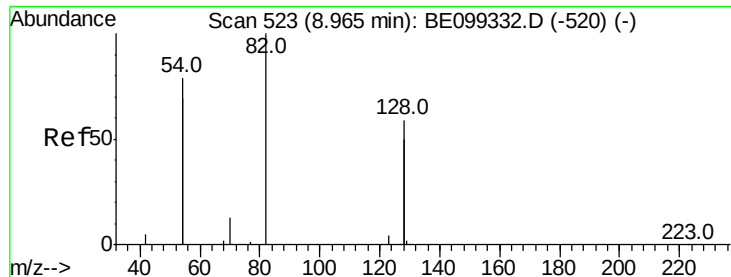
Delta R.T. 0.01 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Tgt Ion:	136	Resp:	11763
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	16.8	23.8	35.8#
68	4.6	6.4	9.6#





#8

Nitrobenzene-d5

Concen: 0.589 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.01 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

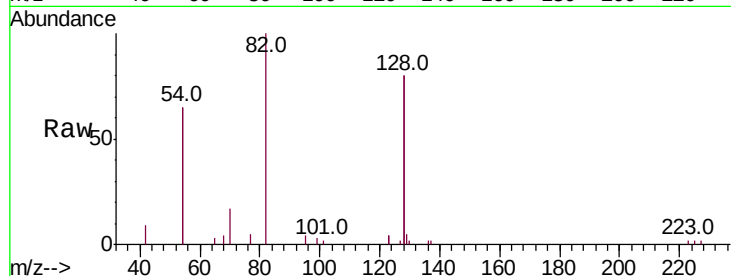
ClientSampleId :

EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
82	100		
128	159.6	91.7	137.5#
54	129.1	122.8	184.2

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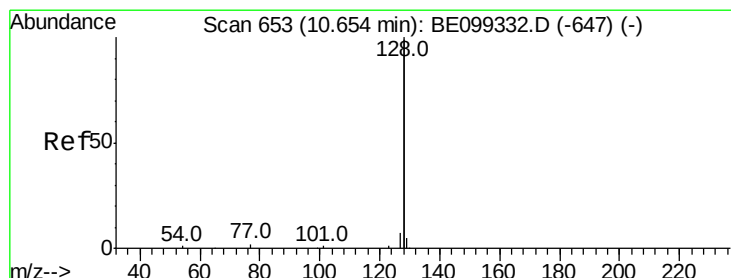
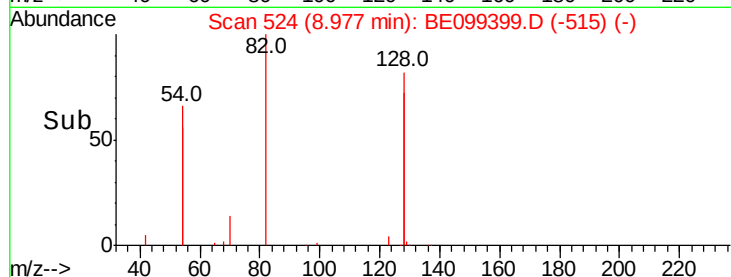
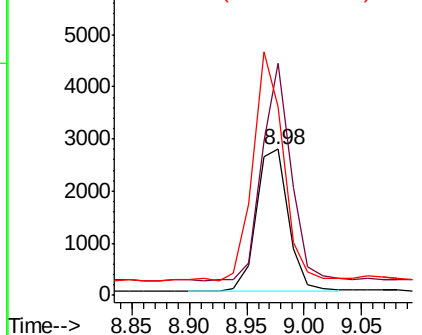


Abundance

Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.020 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

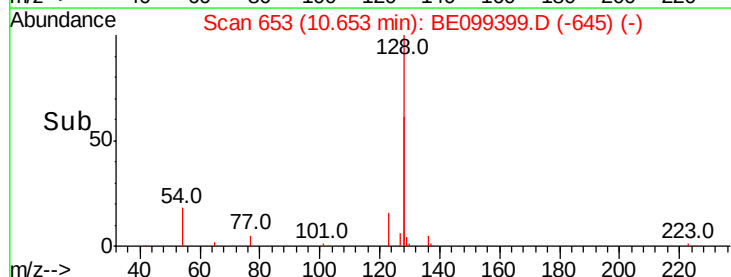
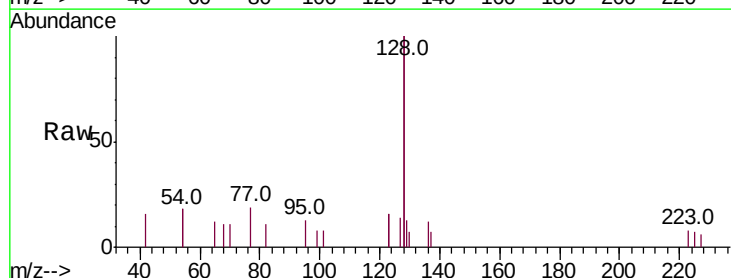
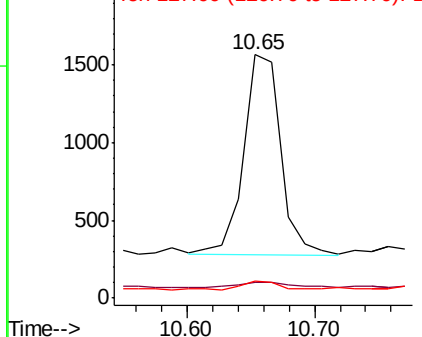
Tgt Ion	Ratio	Lower	Upper
128	100		
129	6.5	2.3	3.5#
127	7.1	2.8	4.2#

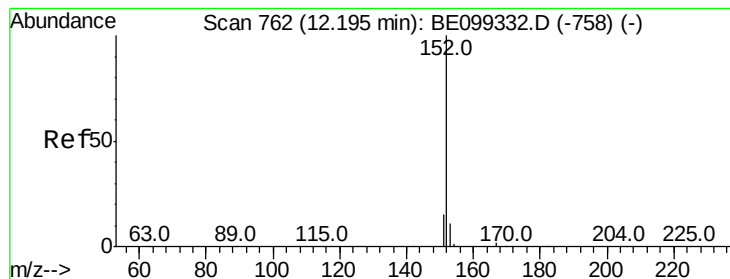
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





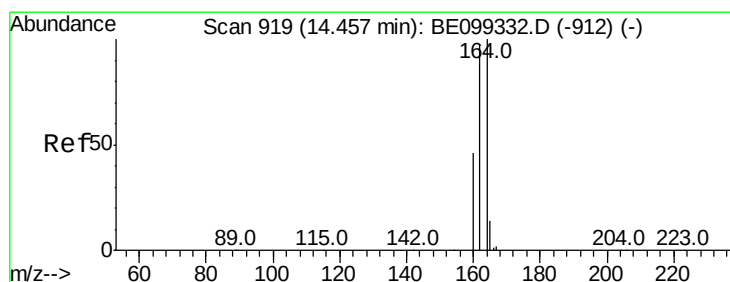
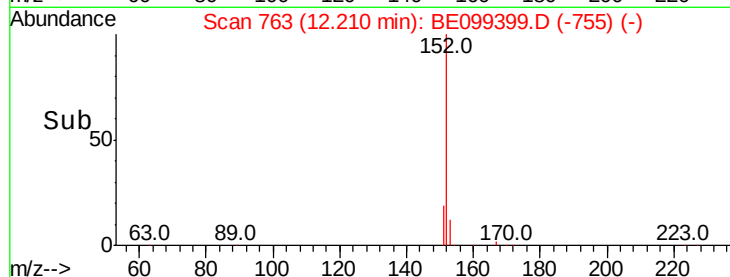
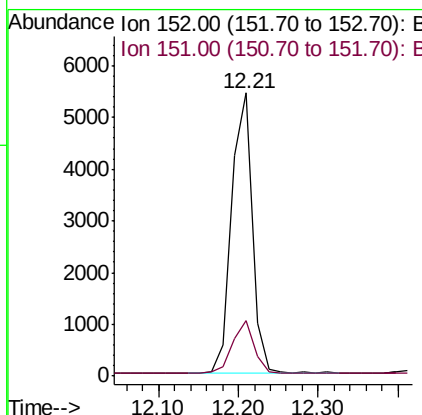
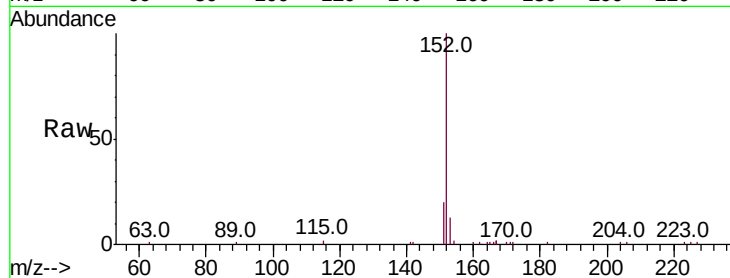
#11
 2-Methylnaphthalene-d10
 Concen: 0.471 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BE099399.D
 Acq: 27 Apr 2019 4:20

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	14.9	22.3

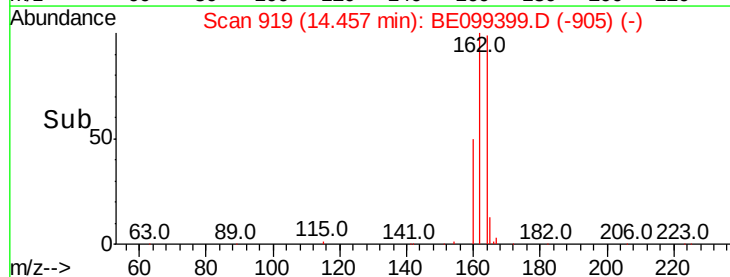
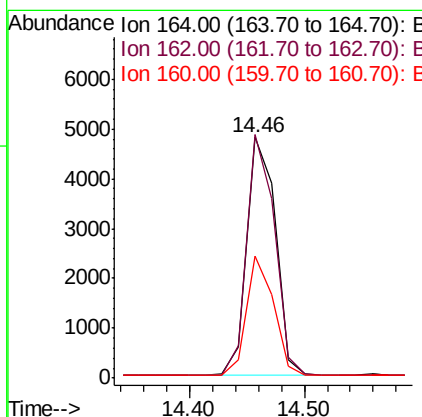
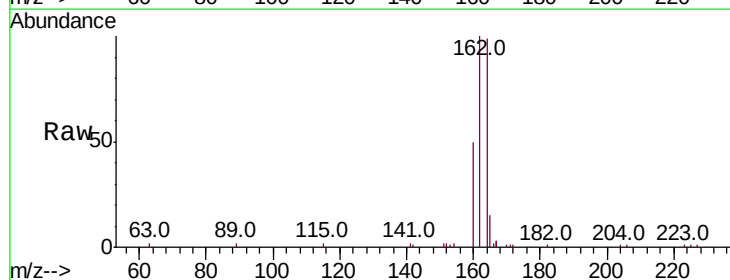
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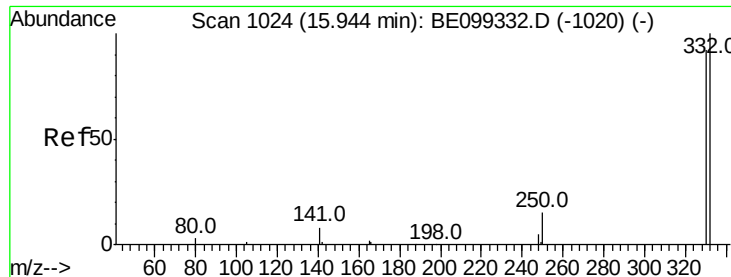
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: BE099399.D
 Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	77.8	116.6
160	50.7	37.1	55.7





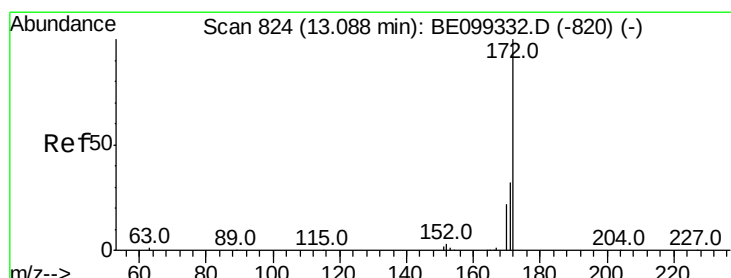
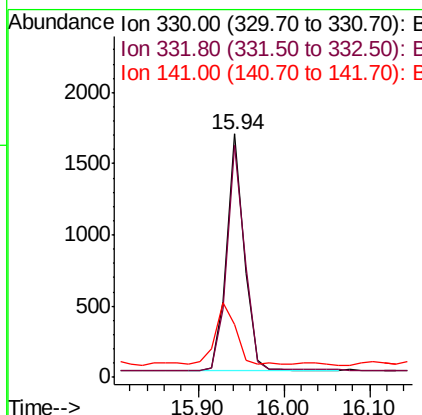
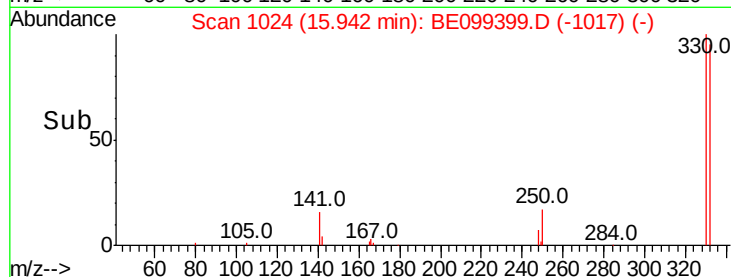
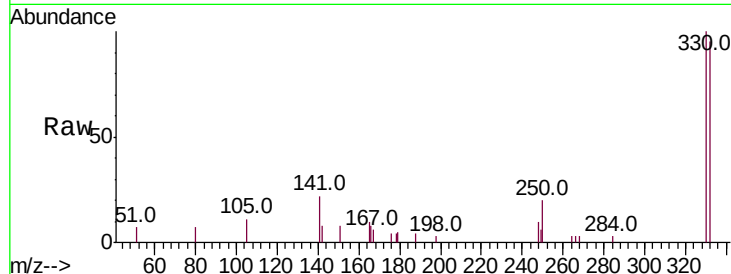
#14
 2,4,6-Tribromophenol
 Concen: 0.874 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. -0.00 min
 Lab File: BE099399.D
 Acq: 27 Apr 2019 4:20

Instrument :
 BNA_E
 ClientSampleId :
 EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	82.5	123.7
141	28.9	24.9	37.3

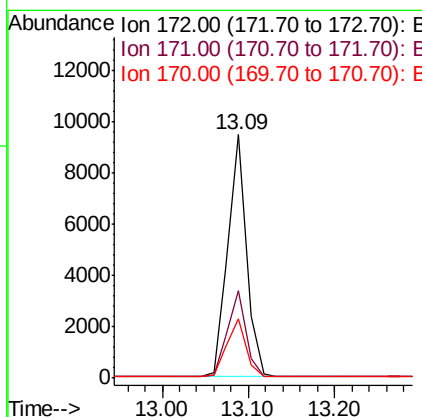
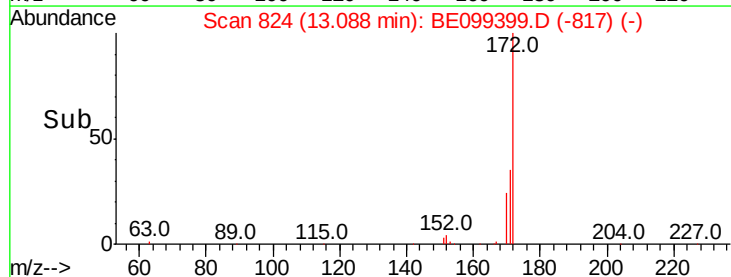
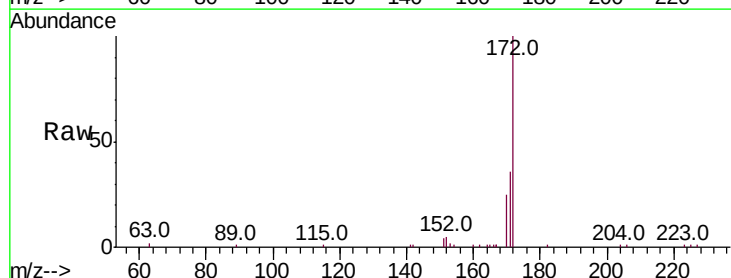
Manual Integrations
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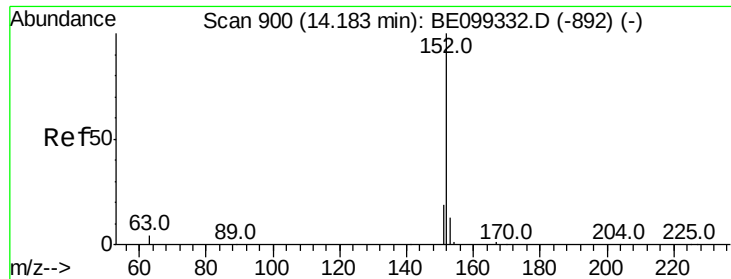
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#15
 2-Fluorobiphenyl
 Concen: 0.436 ng
 RT: 13.09 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BE099399.D
 Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	26.2	39.2
170	24.5	18.1	27.1





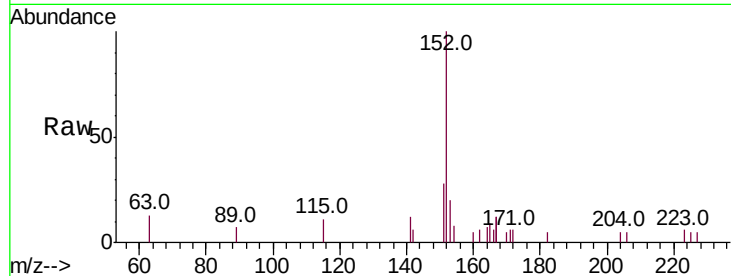
#16
Acenaphthylene
Concen: 0.049 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

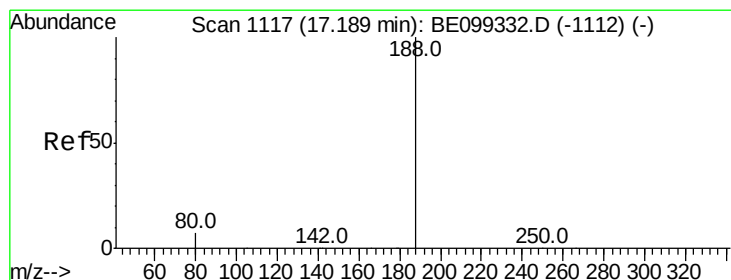
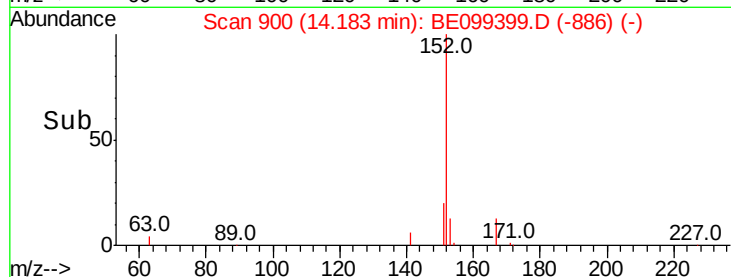
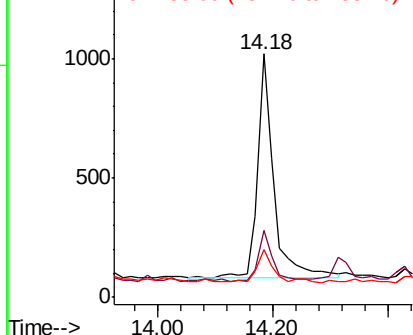
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.5	23.3
153	15.8	10.2	15.4

Manual Integrations
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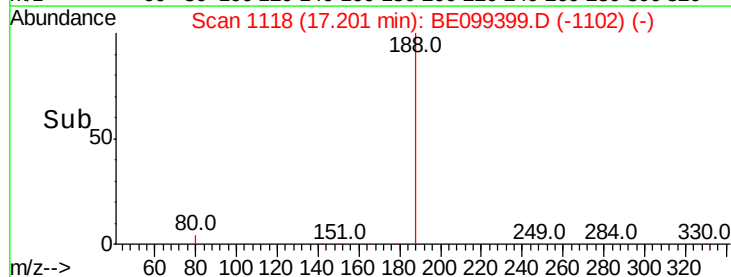
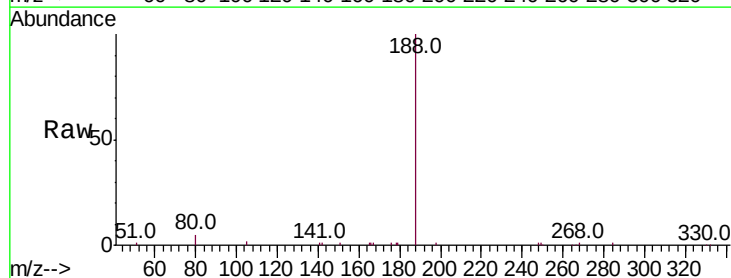
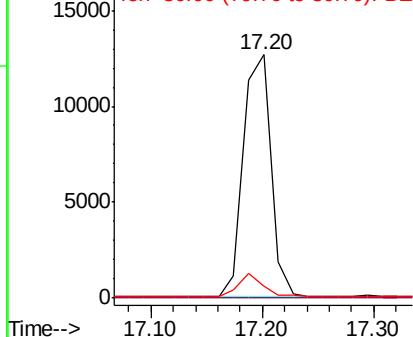
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

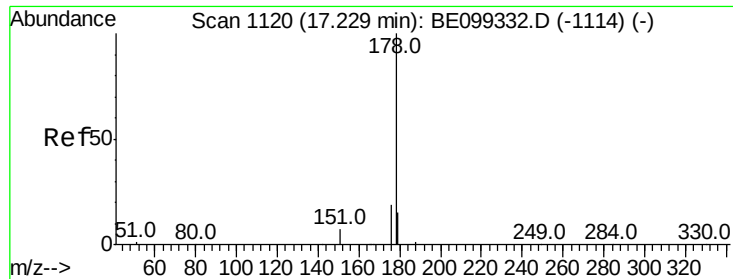


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	4.7	6.2	9.4

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





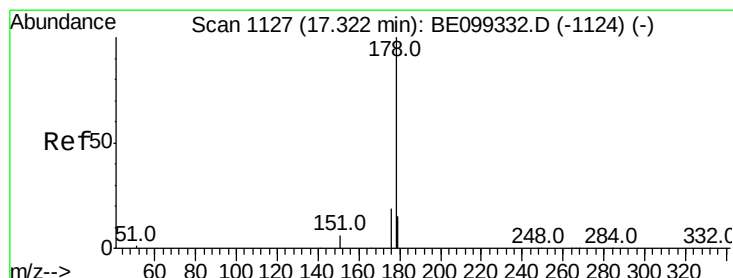
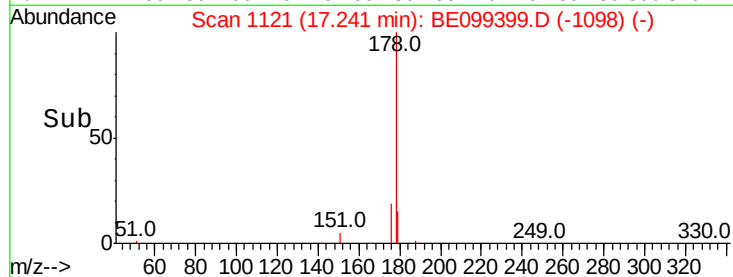
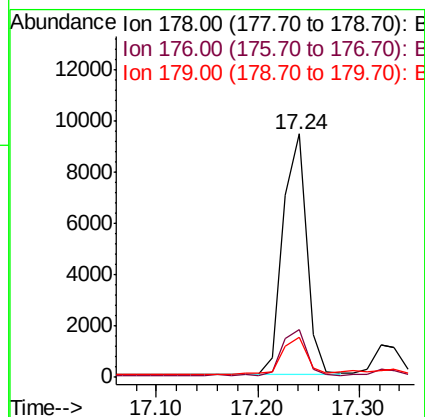
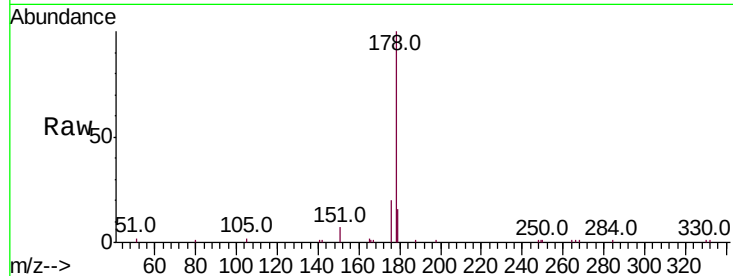
#23
Phenanthrene
Concen: 0.265 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	16.2	12.4	18.6

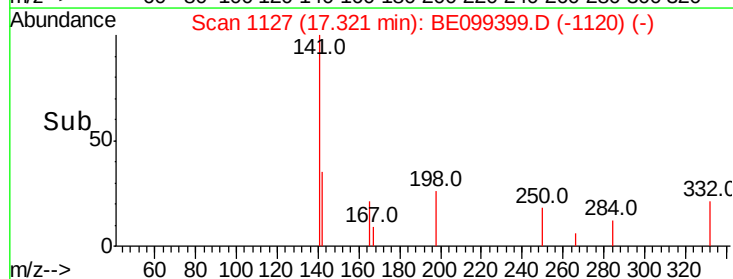
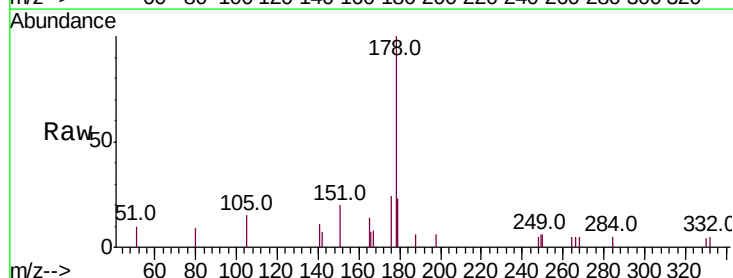
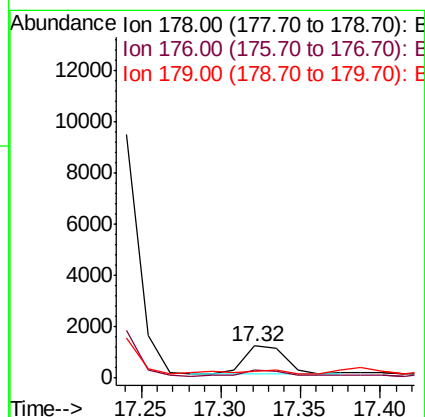
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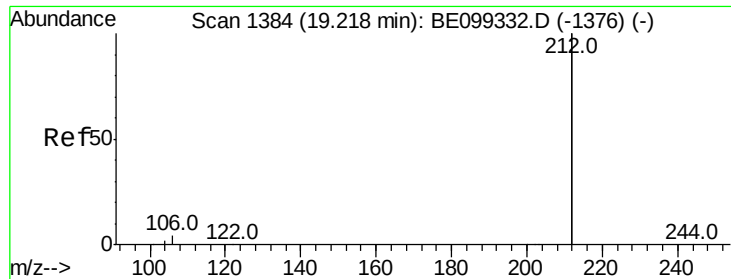
Sohil
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#24
Anthracene
Concen: 0.040 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	14.8	11.9	17.9





#25

Fluoranthene-d10

Concen: 0.444 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

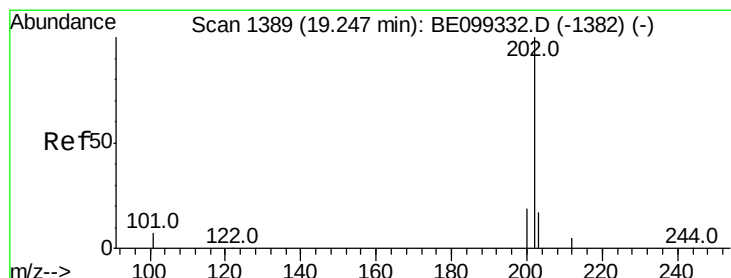
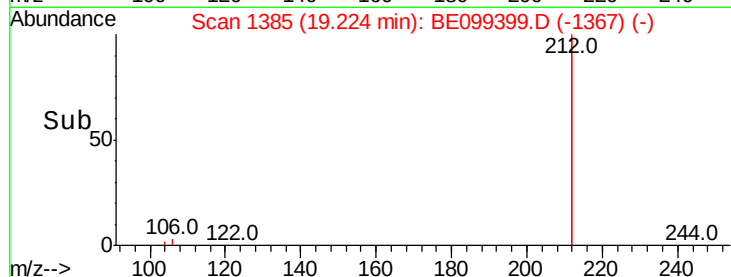
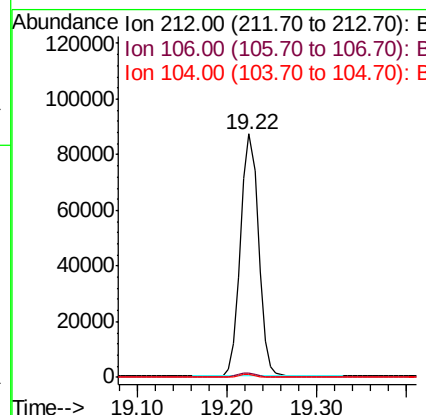
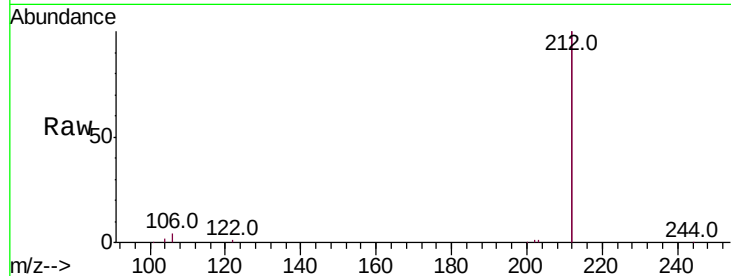
ClientSampleId :

EXT-027-SW020-042219

Tot Ion:	212	Resp:	115973
Ion Ratio	Lower	Upper	
212	100		
106	1.8	1.8	2.6
104	1.1	1.0	1.4

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#26

Fluoranthene

Concen: 0.627 ng

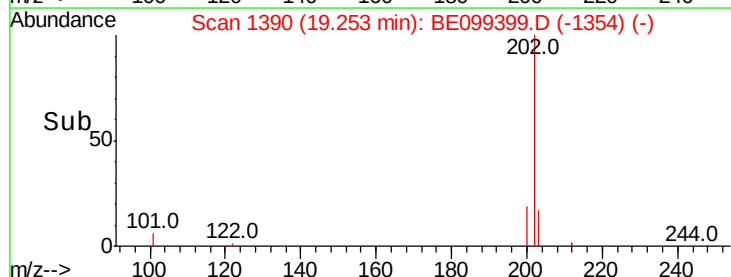
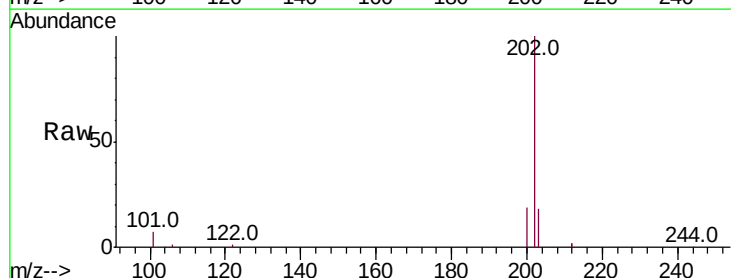
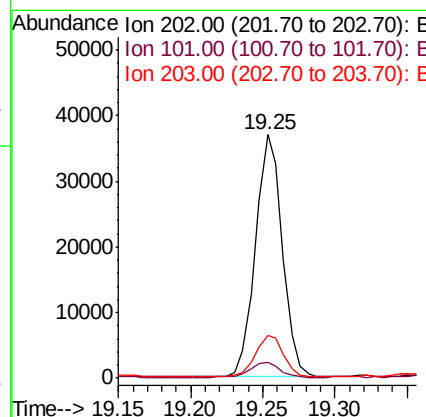
RT: 19.25 min Scan# 1390

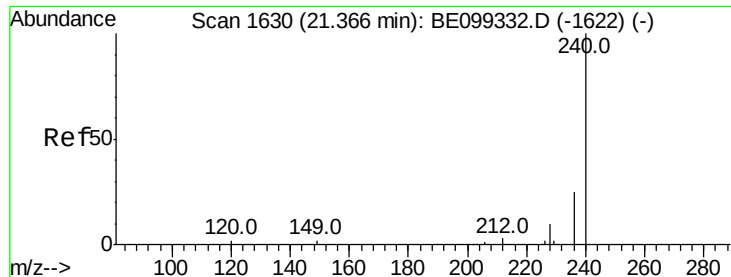
Delta R.T. 0.01 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Tgt Ion:	202	Resp:	48355
Ion Ratio	Lower	Upper	
202	100		
101	6.9	6.4	9.6
203	17.3	13.5	20.3





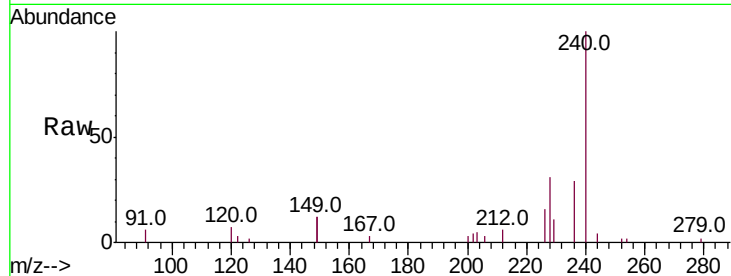
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

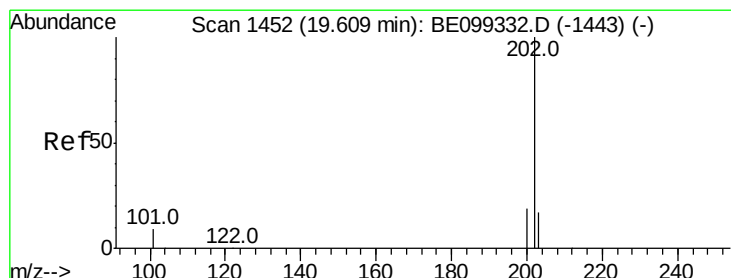
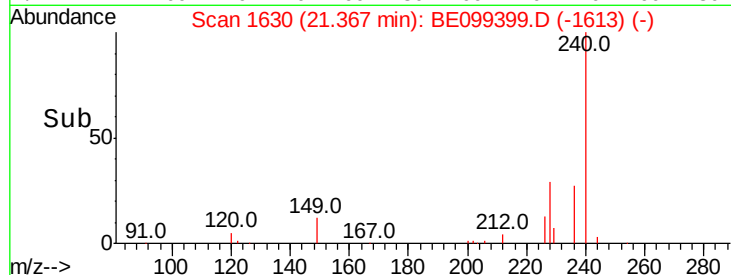
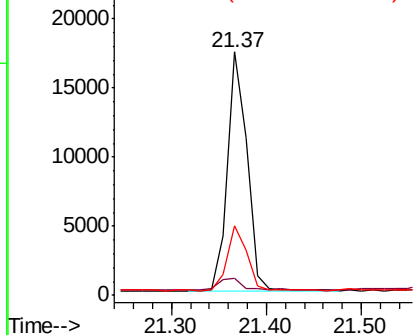
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.0	2.2	3.2#
236	28.6	20.2	30.4

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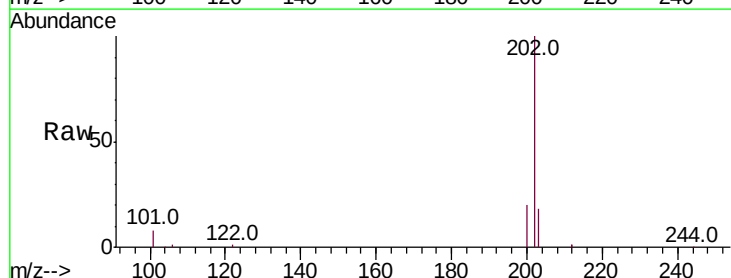


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

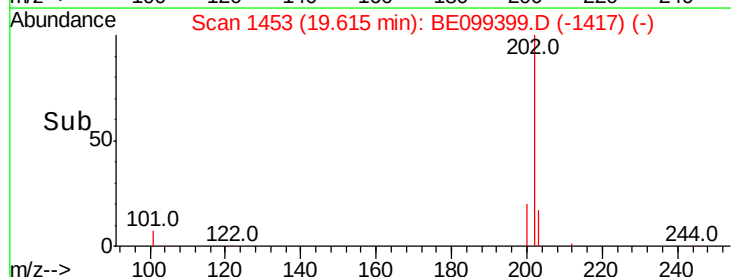
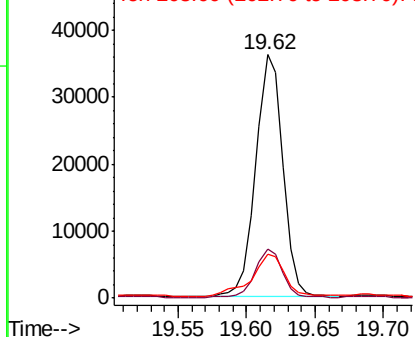


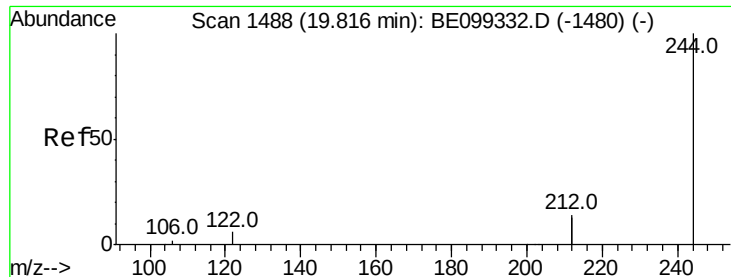
#28
Pyrene
Concen: 0.674 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	20.9	13.7	20.5#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.397 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

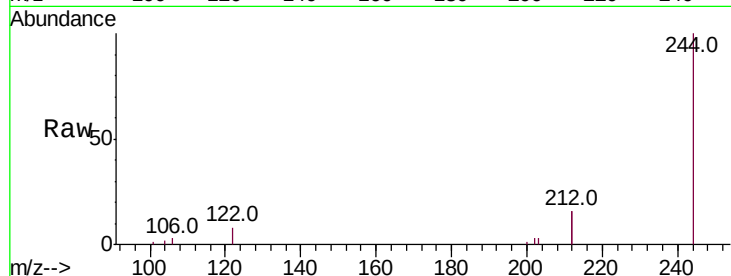
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
244	100		
212	33.0	22.6	33.8
122	8.0	4.6	7.0

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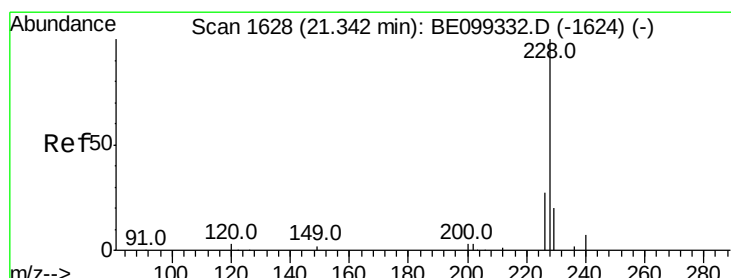
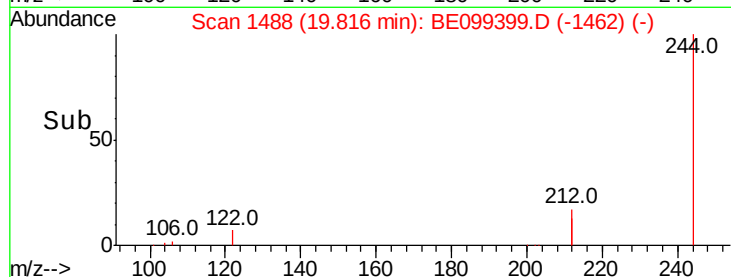
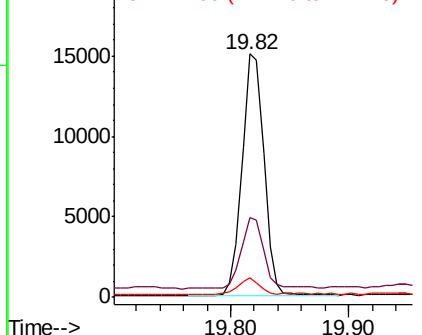


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.416 ng

RT: 21.35 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

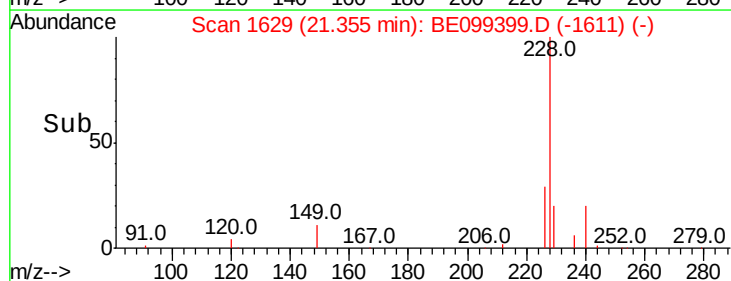
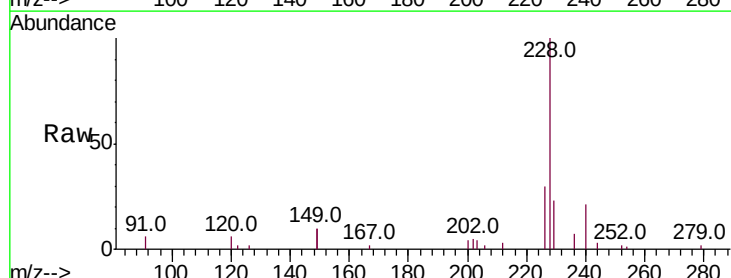
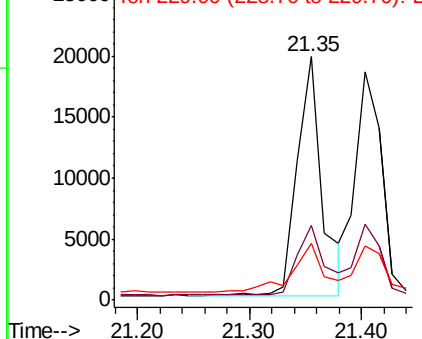
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.0	33.0
229	23.5	15.8	23.8

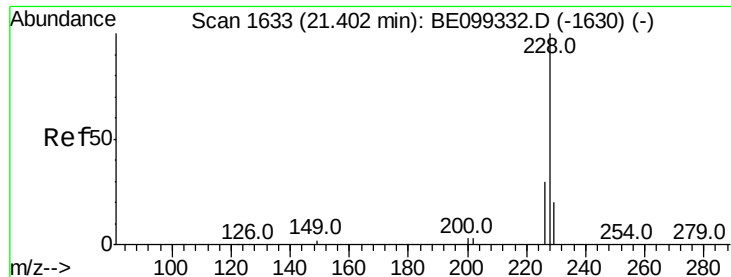
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.380 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

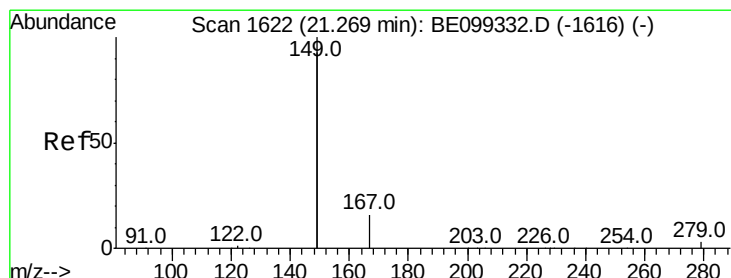
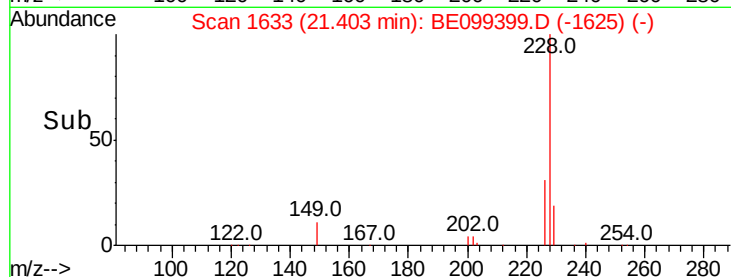
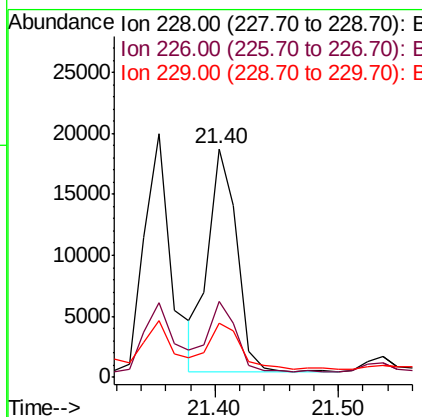
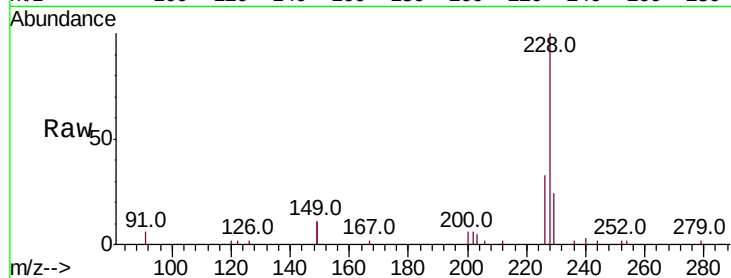
ClientSampleId :

EXT-027-SW020-042219

Tot Ion:228	Resp:	29387
Ion Ratio	Lower	Upper
228 100		
226 33.1	23.4	35.2
229 23.9	16.2	24.2

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.312 ng

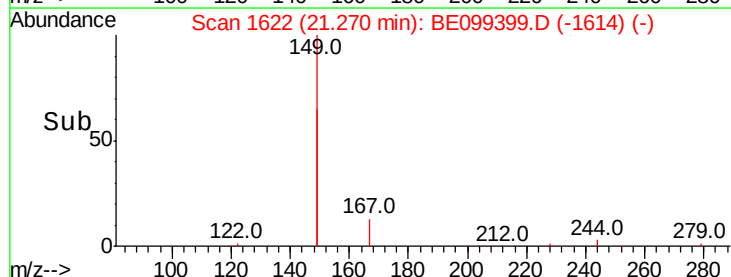
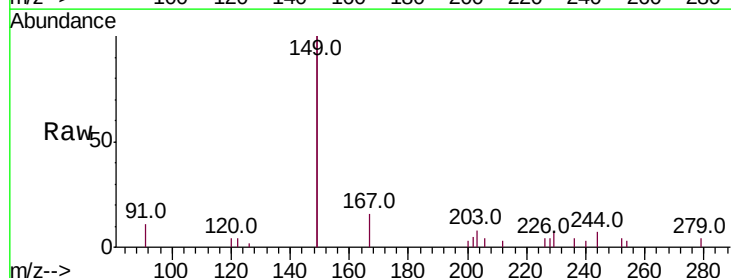
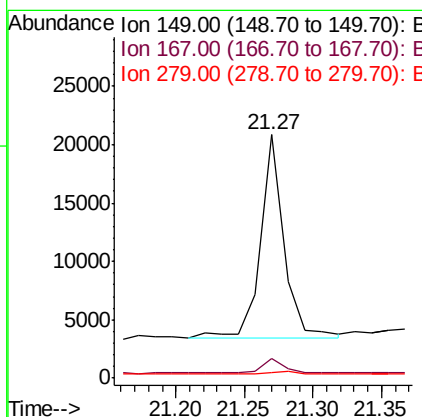
RT: 21.27 min Scan# 1622

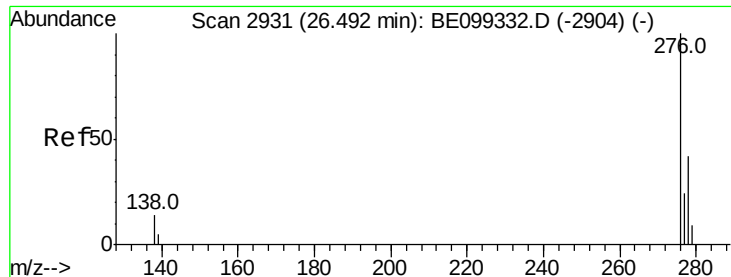
Delta R.T. 0.00 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Tgt Ion:149	Resp:	20657
Ion Ratio	Lower	Upper
149 100		
167 6.8	6.0	9.0
279 1.4	1.1	1.7





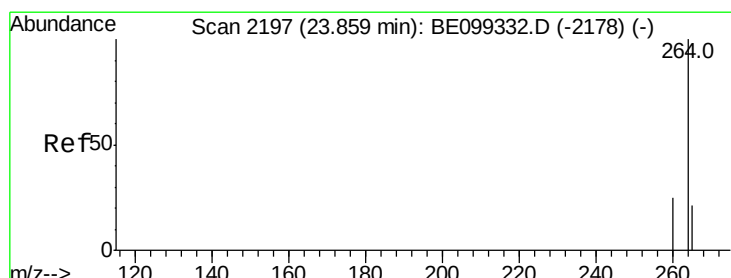
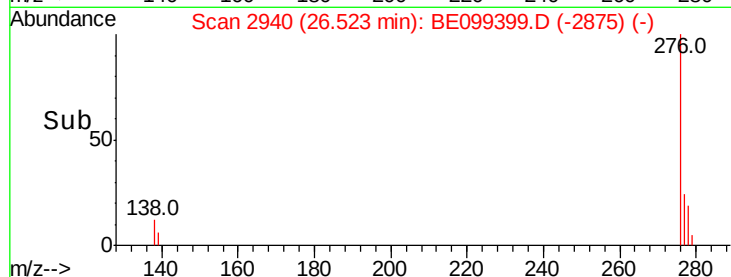
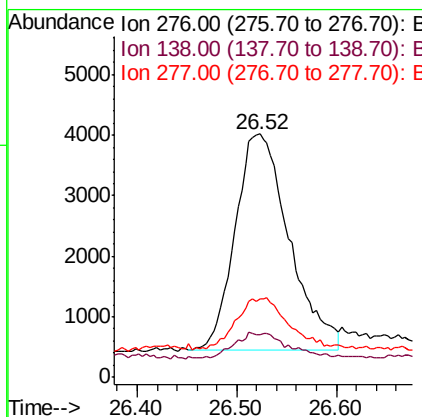
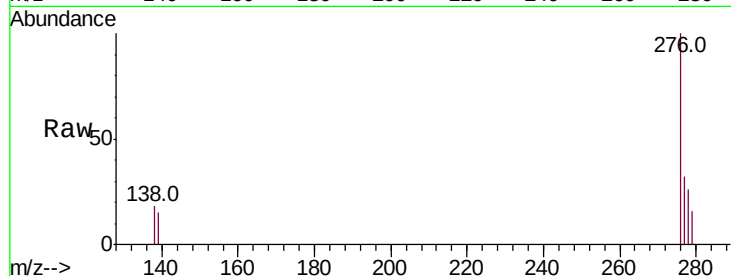
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.177 ng
RT: 26.52 min Scan# 2940
Delta R.T. 0.03 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	12.7	19.1#
277	21.5	19.6	29.4

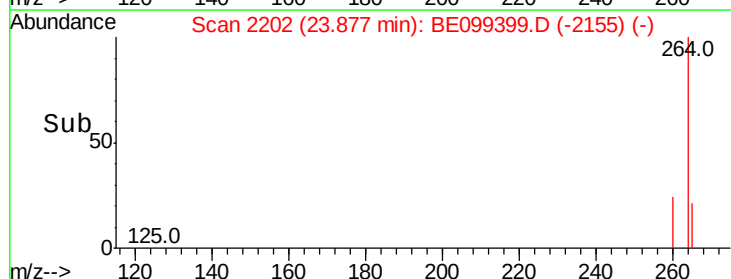
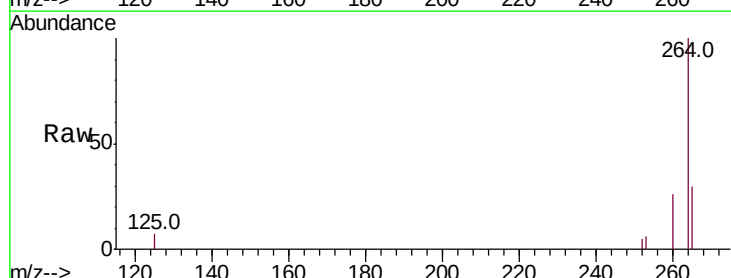
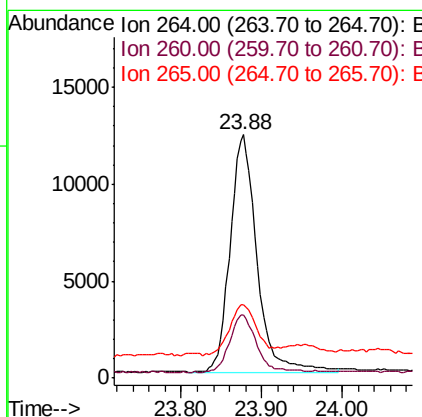
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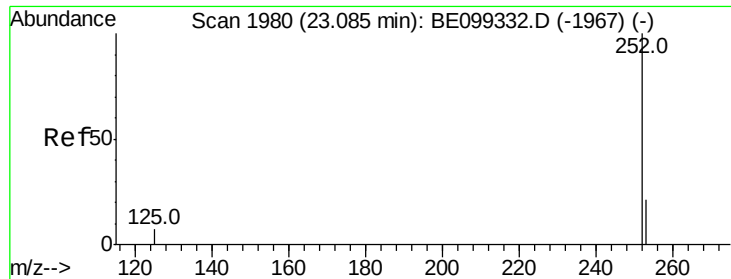
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2202
Delta R.T. 0.02 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	30.1	19.9	29.9#





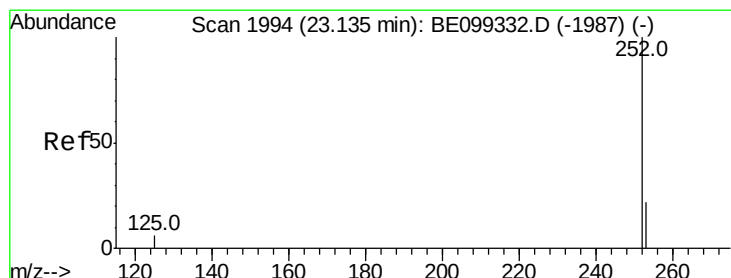
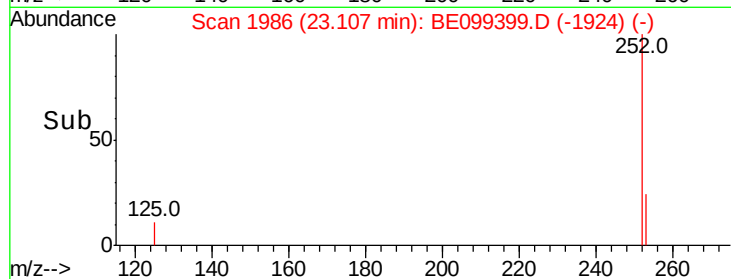
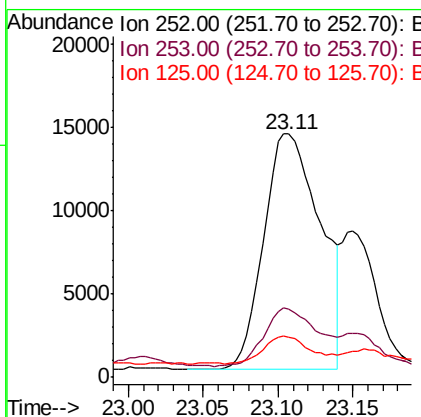
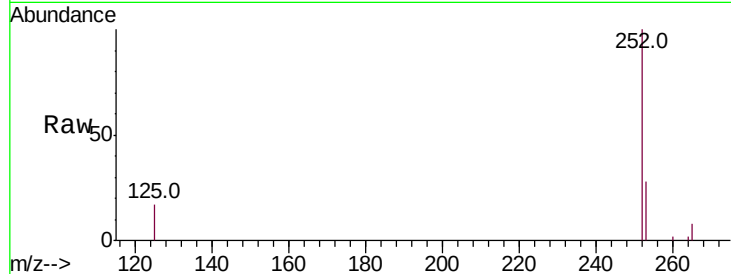
#35
Benzo(b)fluoranthene
Concen: 0.431 ng
RT: 23.11 min Scan# 1986
Delta R.T. 0.02 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.1	17.3	25.9#
125	16.7	5.8	8.6#

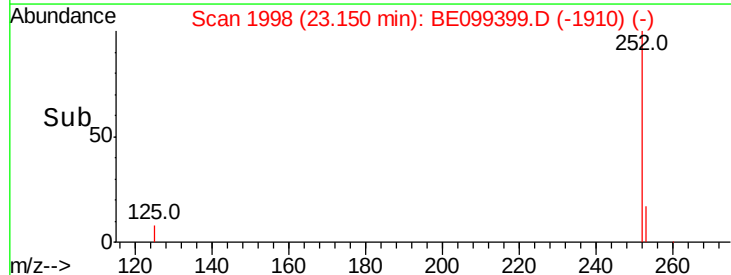
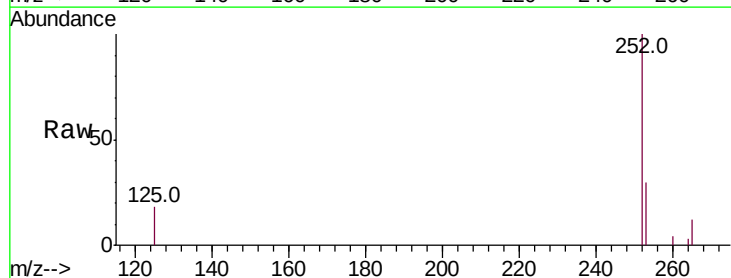
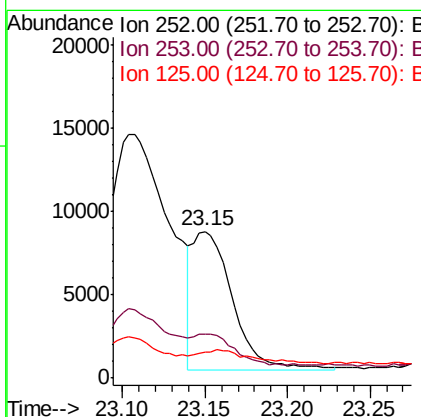
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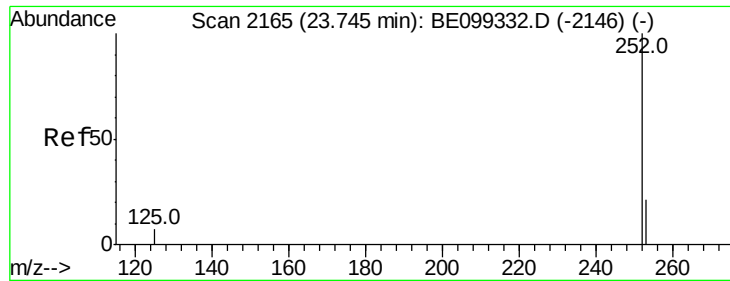
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.162 ng m
RT: 23.15 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.4	27.6#
125	17.6	5.4	8.0#





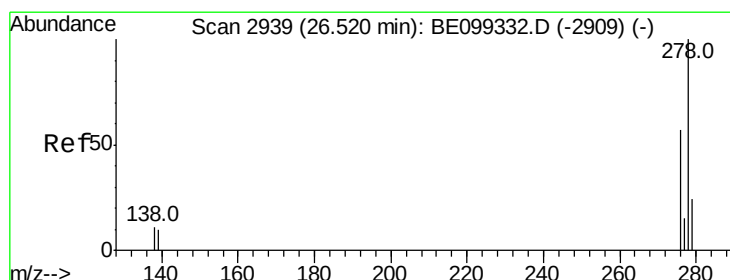
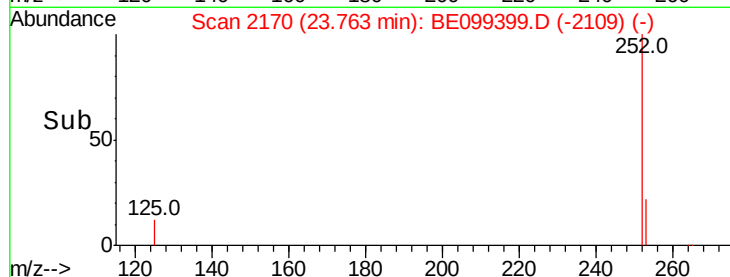
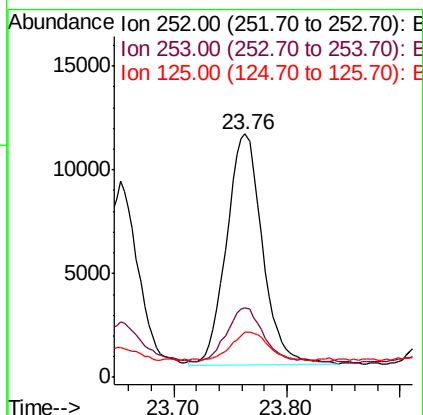
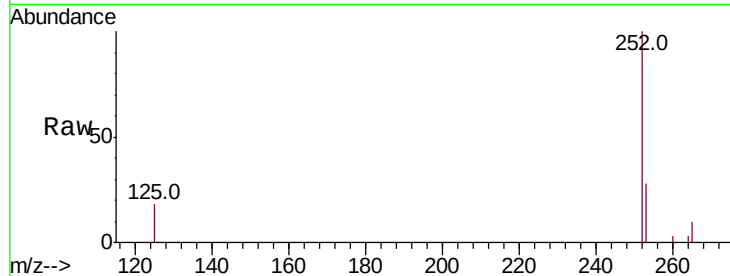
#37
Benzo(a)pyrene
Concen: 0.317 ng
RT: 23.76 min Scan# 2170
Delta R.T. 0.02 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Instrument :
BNA_E
ClientSampleId :
EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.6	26.4#
125	18.5	6.5	9.7#

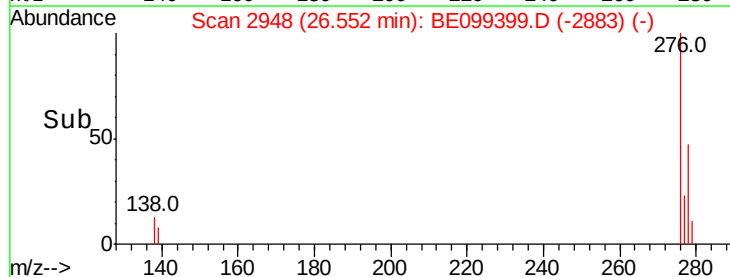
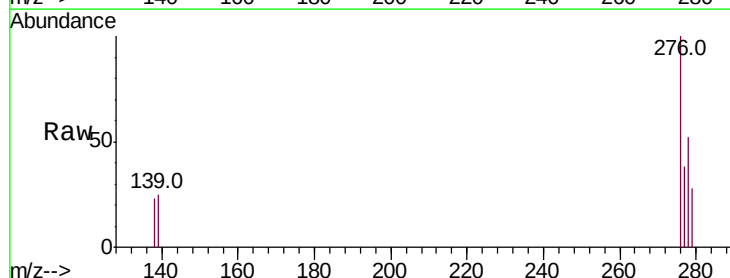
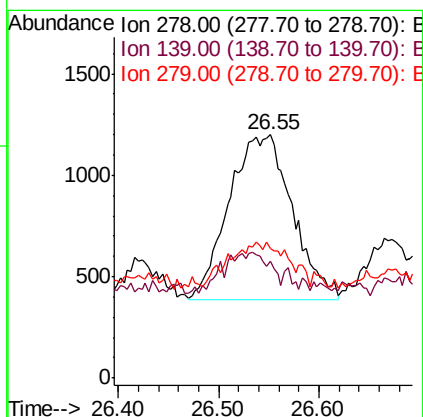
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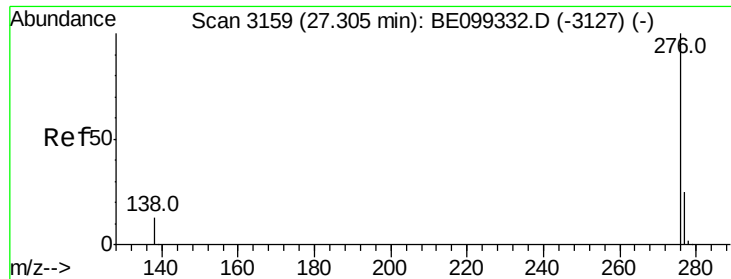
Sohil
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#38
Dibenzo(a,h)anthracene
Concen: 0.045 ng m
RT: 26.55 min Scan# 2948
Delta R.T. 0.03 min
Lab File: BE099399.D
Acq: 27 Apr 2019 4:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	48.0	8.5	12.7#
279	53.3	19.8	29.8#





#39

Benzo(a,h,i)perylene

Concen: 0.151 ng

RT: 27.34 min Scan# 3169

Delta R.T. 0.03 min

Lab File: BE099399.D

Acq: 27 Apr 2019 4:20

Instrument :

BNA_E

ClientSampleId :

EXT-027-SW020-042219

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.5	20.0	30.0#
138	18.8	11.1	16.7#

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