

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
 Data File : BE099539.D
 Acq On : 3 May 2019 20:42
 Operator : JU/SJ
 Sample : K2568-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Manual Integrations
 APPROVED

mohammad
 5/7/2019 11:57:13 PM

Quant Time: May 04 02:22:15 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 29 18:36:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2428	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	9429	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7664	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	21509	0.40	ng	0.01
27) Chrysene-d12	21.38	240	26120	0.40	ng	0.01
34) Perylene-d12	23.89	264	31017	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.39	112	2024	0.30	ng	0.00
5) Phenol-d6	6.98	99	3052	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	2549	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.21	152	4740	0.28	ng	0.01
14) 2,4,6-Tribromophenol	15.94	330	1643	0.34	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	7147	0.24	ng	0.00
25) Fluoranthene-d10	19.23	212	73409	0.25	ng	0.00
29) Terphenyl-d14	19.82	244	16227	0.34	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	14.18	152	1499	0.040	ng	# 90
17) Acenaphthene	14.53	154	504	0.024	ng	98
18) Fluorene	15.50	166	1323	0.042	ng	# 96
23) Phenanthrene	17.24	178	45002	0.811	ng	99
24) Anthracene	17.34	178	3180	0.060	ng	# 86
26) Fluoranthene	19.26	202	211563	2.545	ng	100
28) Pyrene	19.62	202	176487	2.592	ng	# 95
30) Benzo(a)anthracene	21.35	228	91624	1.101	ng	95
31) Chrysene	21.41	228	132750	1.630	ng	97
32) Bis(2-ethylhexyl)phthalate	21.27	149	63584	0.470	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	82725	0.859	ng	# 93
35) Benzo(b)fluoranthene	23.11	252	187056	2.091	ng	96
36) Benzo(k)fluoranthene	23.16	252	61729m	0.716	ng	
37) Benzo(a)pyrene	23.77	252	101889	1.205	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	16210	0.187	ng	# 67
39) Benzo(g,h,i)perylene	27.37	276	76935	0.888	ng	95

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

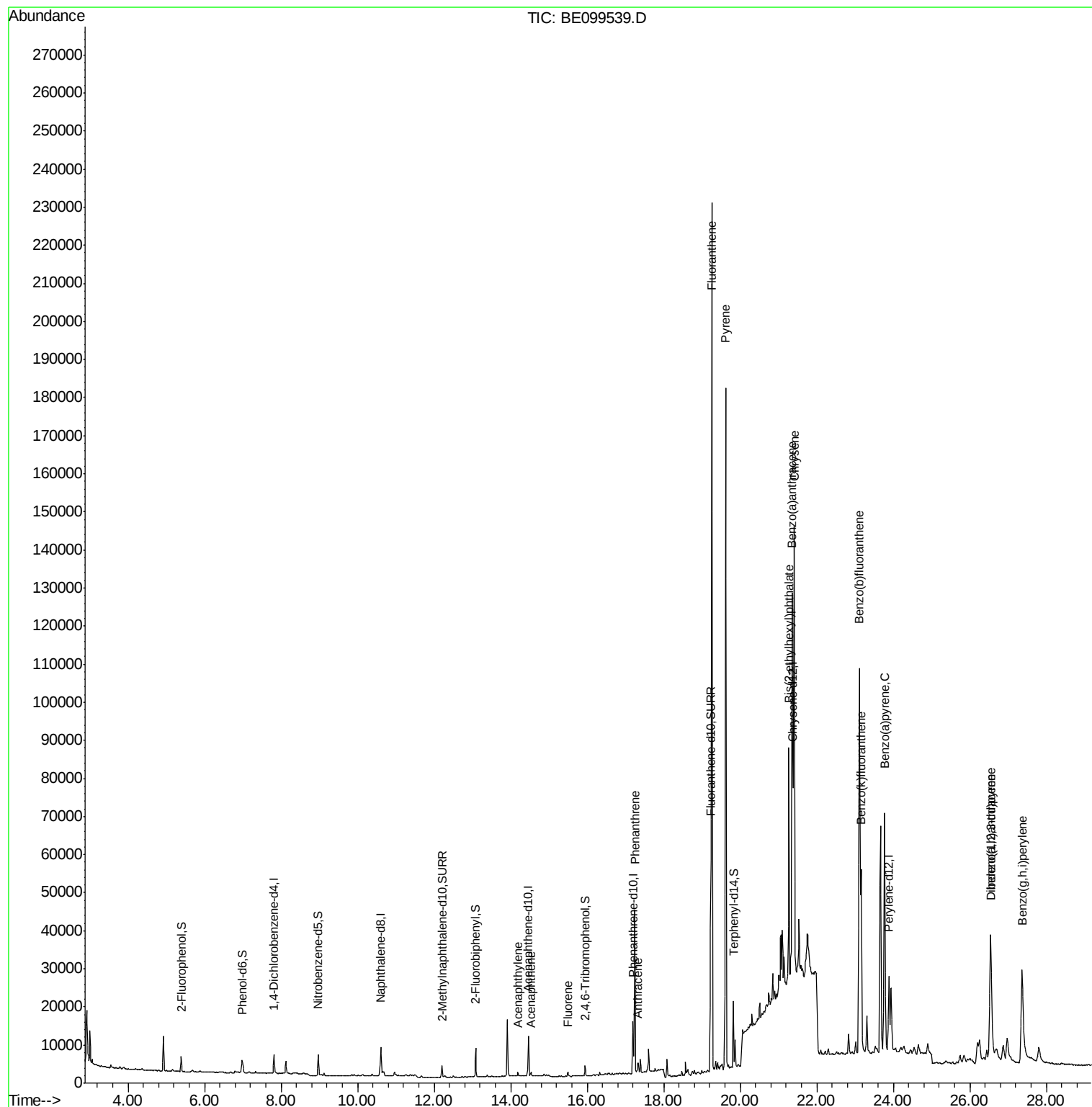
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Instrument :

BNA_E

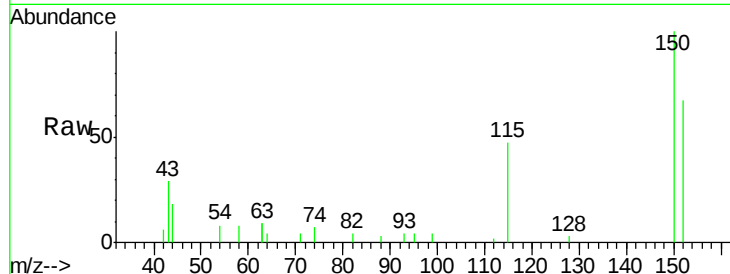
ClientSampleId :

EXT-025-SW029-042219

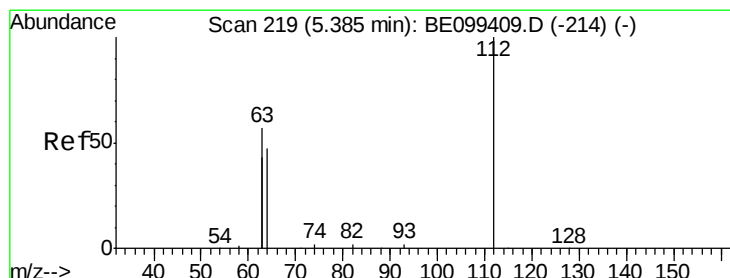
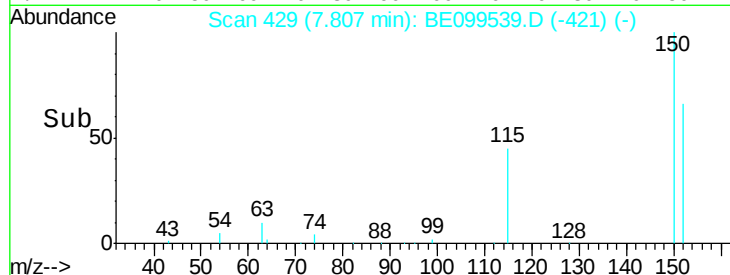
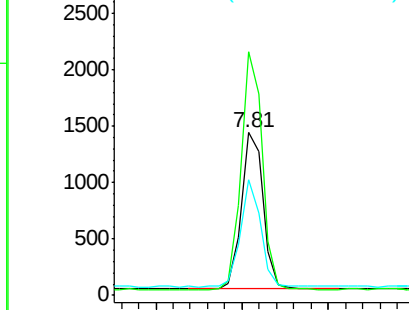
Tgt Ion:	152	Resp:	2428
Ion Ratio	Lower	Upper	
152	100		
150	149.9	104.8	157.2
115	71.0	46.6	69.8

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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: 0.301 ng

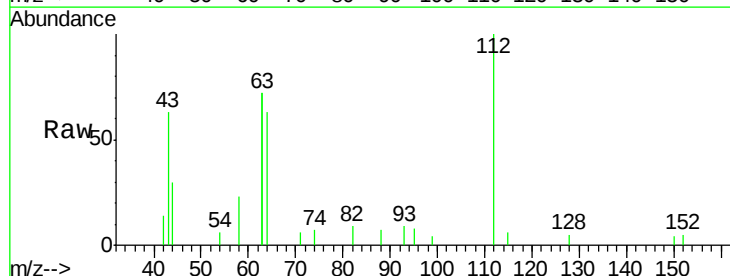
RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

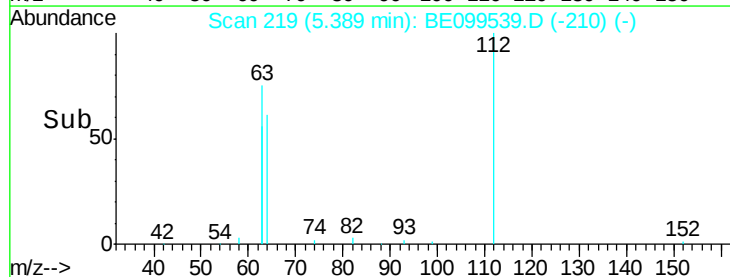
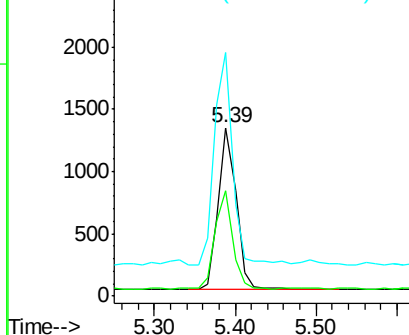
Lab File: BE099539.D

Acq: 3 May 2019 20:42

Tgt Ion:	112	Resp:	2024
Ion Ratio	Lower	Upper	
112	100		
64	59.7	47.4	71.0
63	132.5	104.3	156.5



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: 0.342 ng

RT: 6.98 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Instrument :

BNA_E

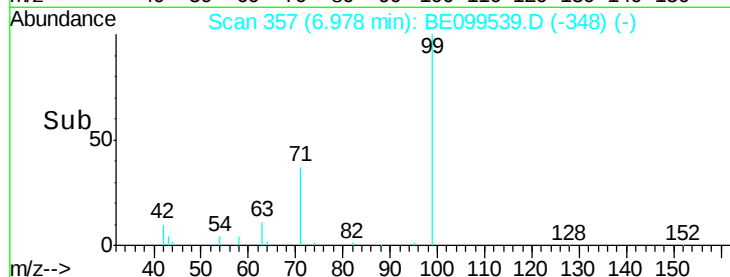
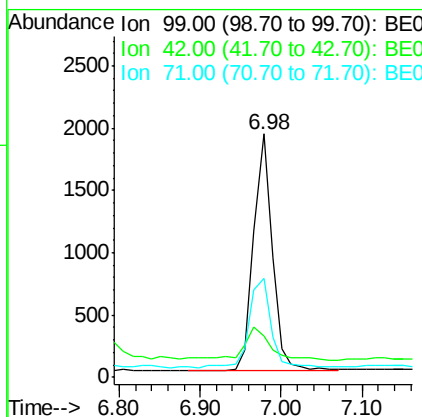
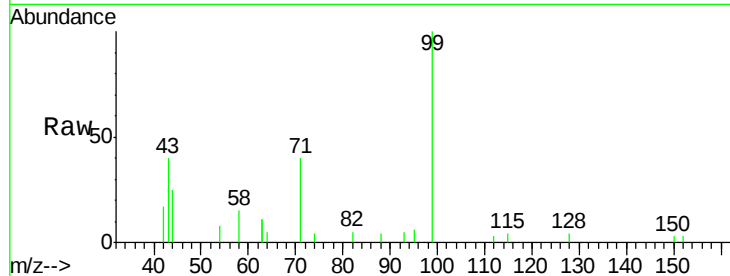
ClientSampleId :

EXT-025-SW029-042219

Tgt Ion:	99	Resp:	3052
Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.9	22.3
71	44.0	33.0	49.6

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#7

Naphthalene-d8

Concen: 0.400 ng

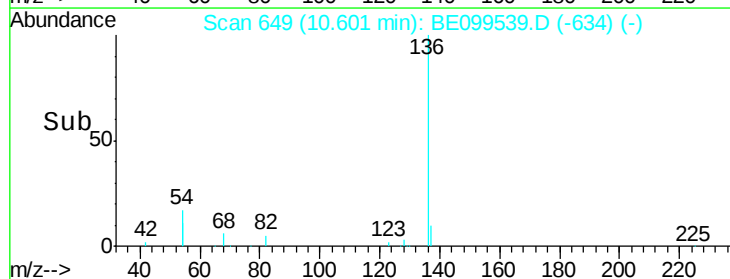
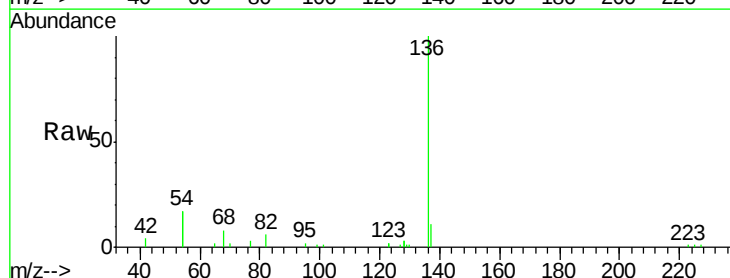
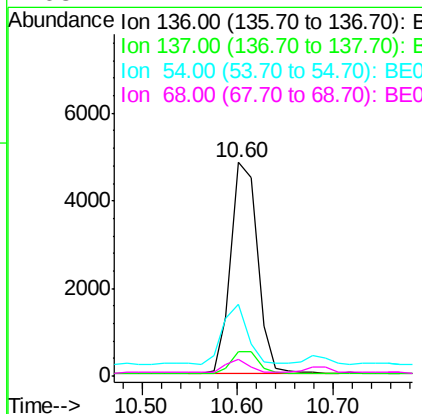
RT: 10.60 min Scan# 649

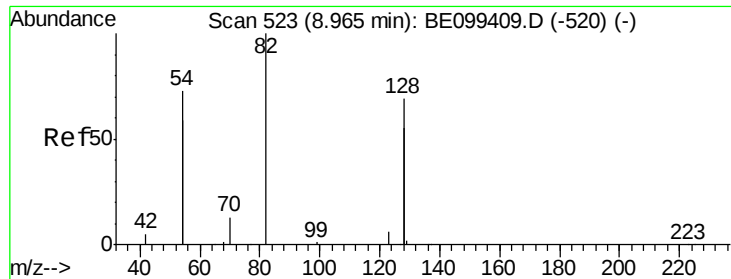
Delta R.T. -0.00 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Tgt Ion:	136	Resp:	9429
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.8	14.8
54	33.4	18.5	27.7#
68	7.7	4.7	7.1#





#8

Nitrobenzene-d5

Concen: 0.288 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Instrument :

BNA_E

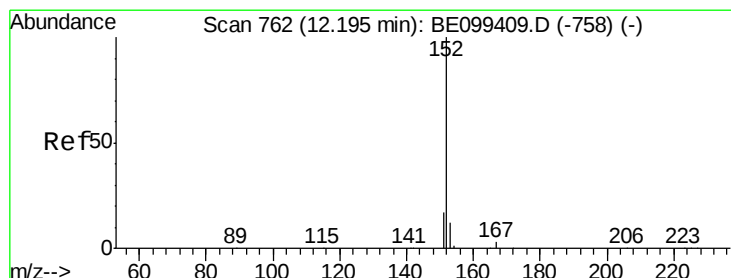
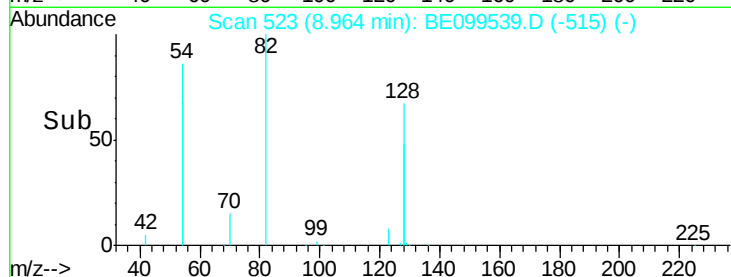
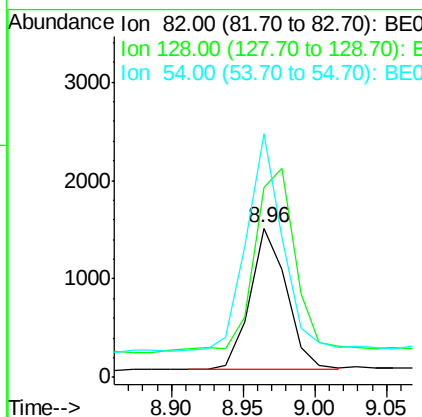
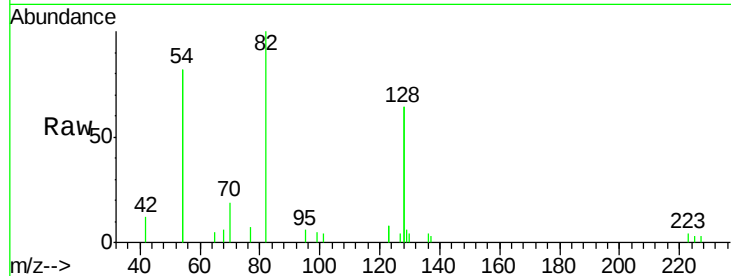
ClientSampleId :

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Tgt Ion:	82	Resp:	2549
Ion Ratio	Lower	Upper	
82	100		
128	127.8	107.0	160.4
54	163.5	113.1	169.7

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#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

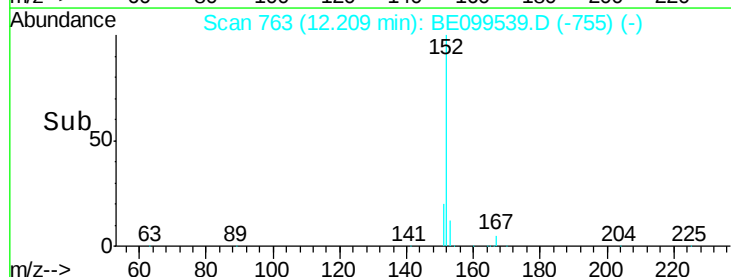
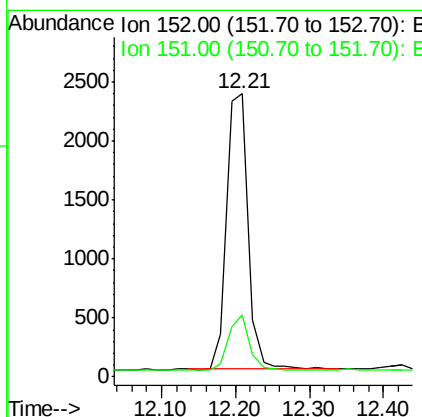
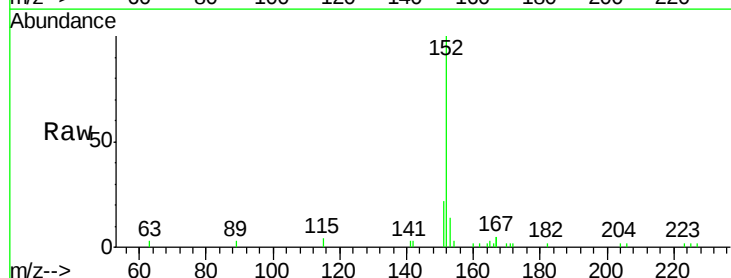
RT: 12.21 min Scan# 763

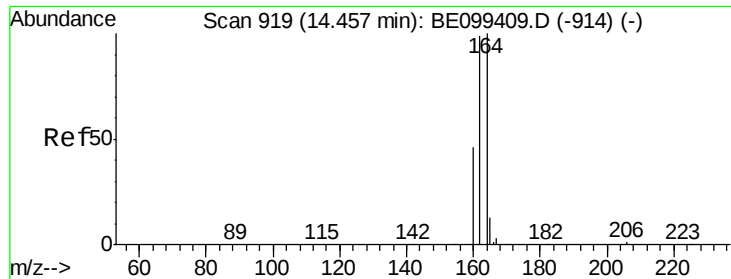
Delta R.T. 0.01 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Tgt Ion:	152	Resp:	4740
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.5	23.3





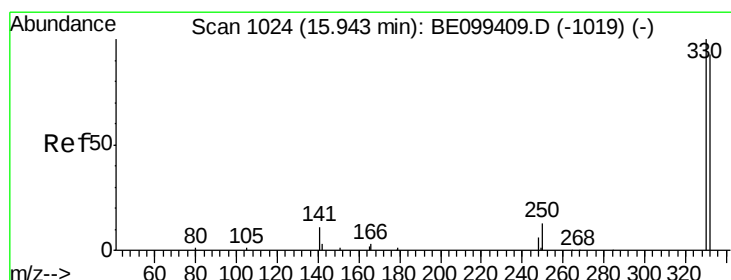
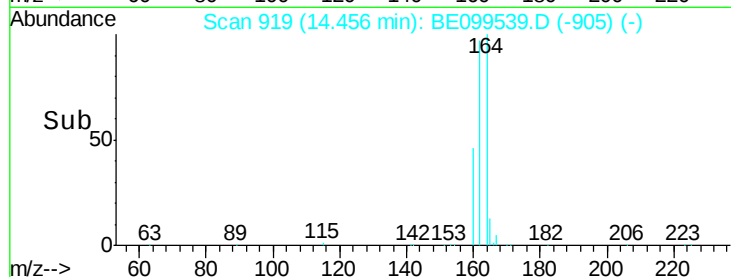
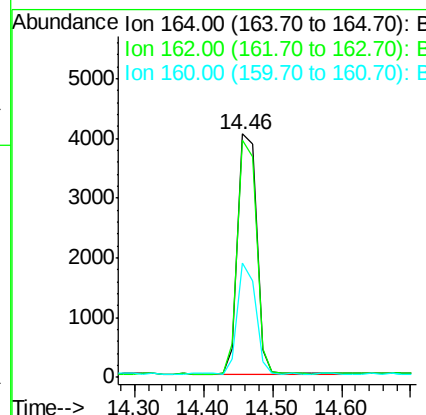
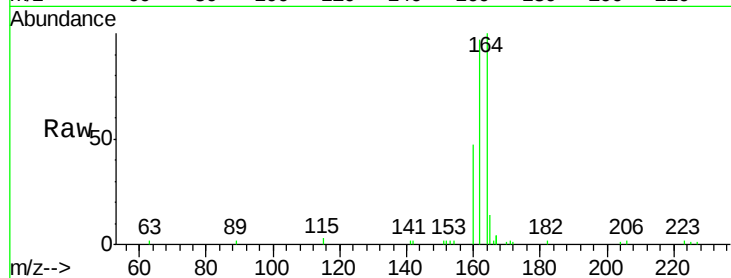
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.3	79.0	118.4
160	46.9	37.0	55.4

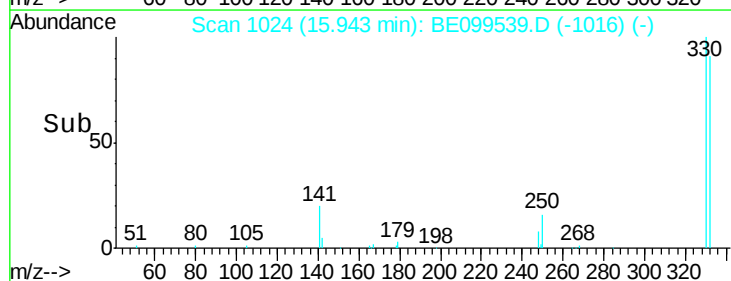
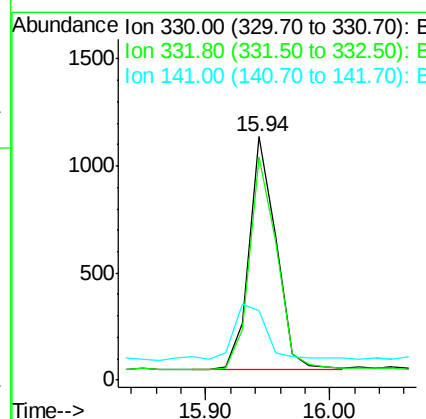
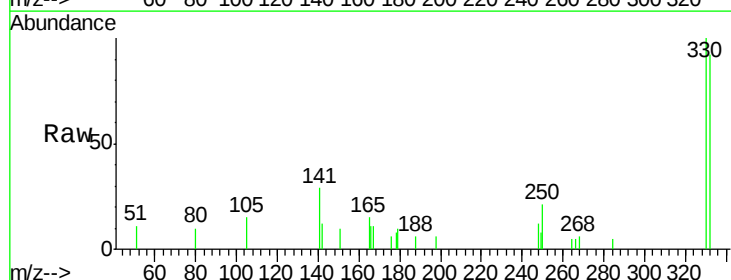
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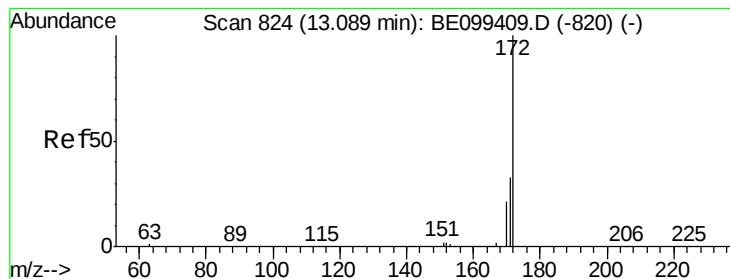
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#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	71.5	107.3
141	30.7	24.0	36.0





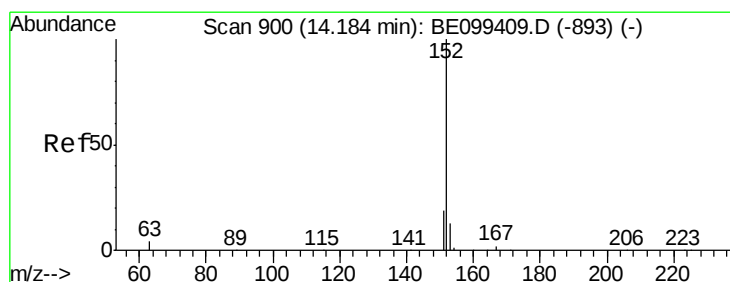
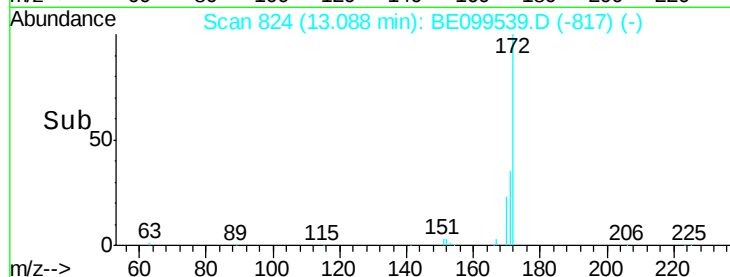
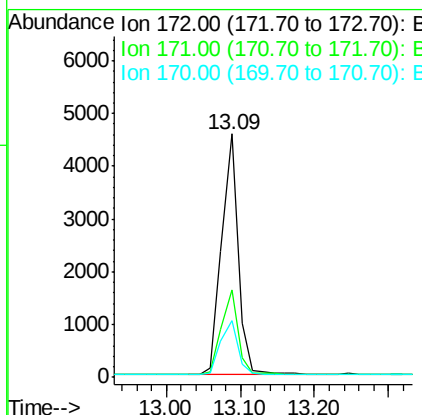
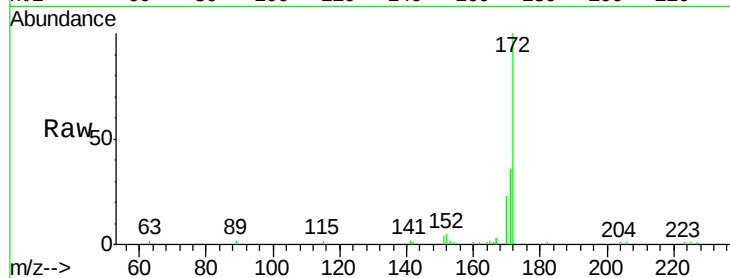
#15
 2-Fluorobiphenyl
 Concen: 0.244 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	26.6	39.8
170	23.4	17.0	25.6

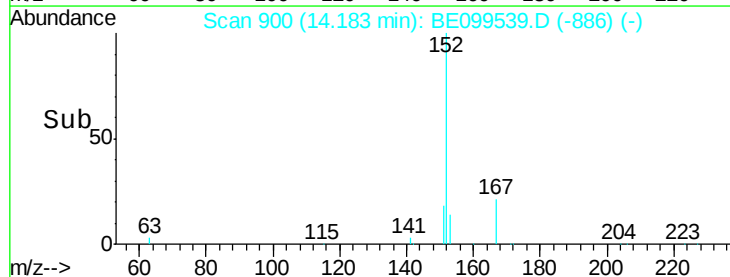
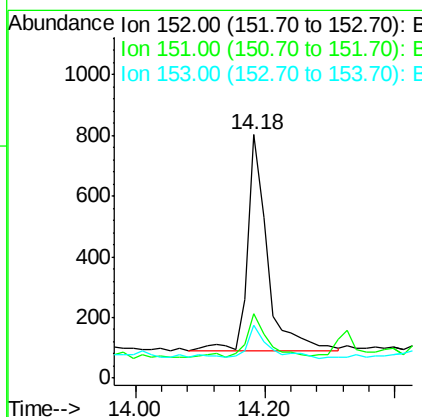
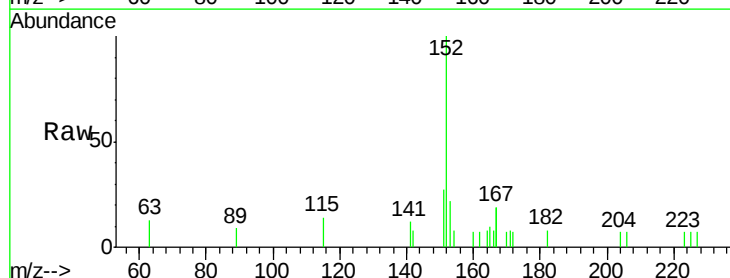
Manual Integrations
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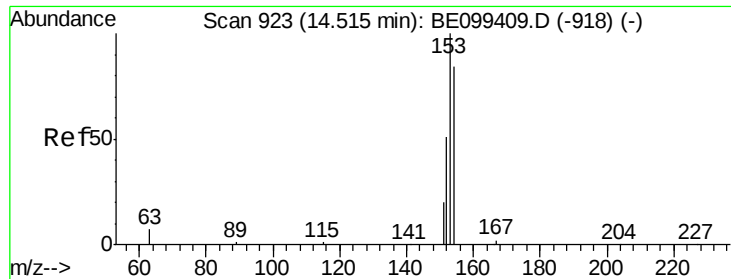
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#16
 Acenaphthylene
 Concen: 0.040 ng
 RT: 14.18 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.7	15.4	23.2#
153	16.8	9.8	14.6#





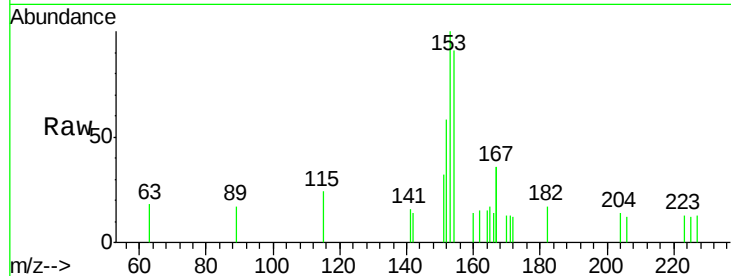
#17
Acenaphthene
Concen: 0.024 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.3	92.6	138.8
152	59.3	45.8	68.8

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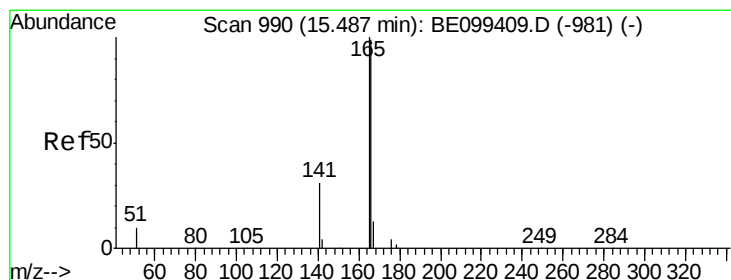
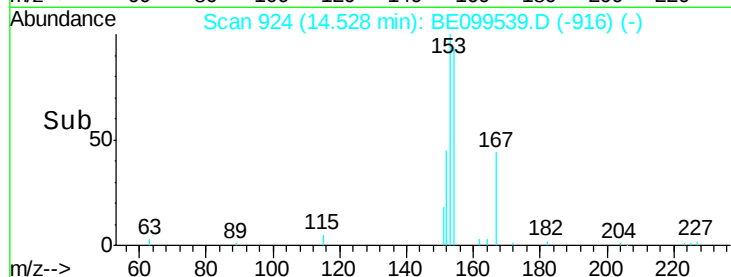
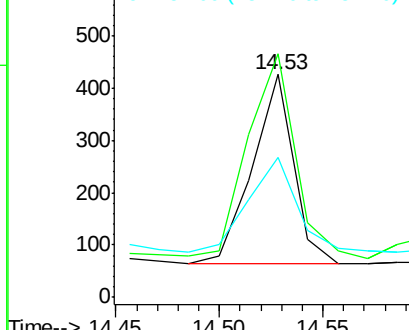


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.042 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

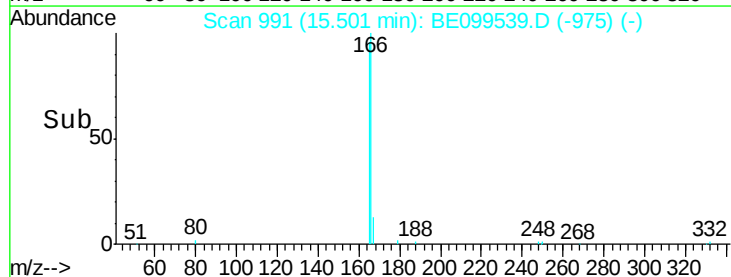
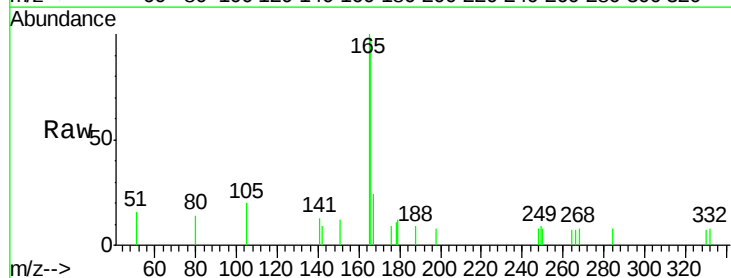
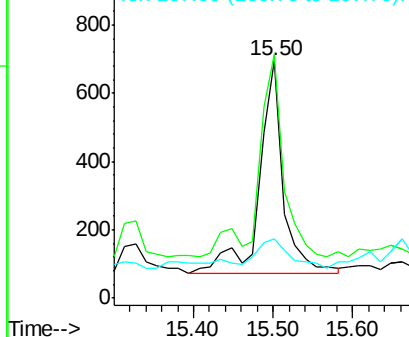
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.4	80.3	120.5
167	18.3	10.7	16.1

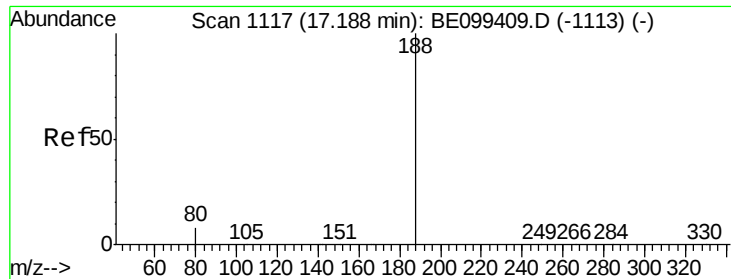
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





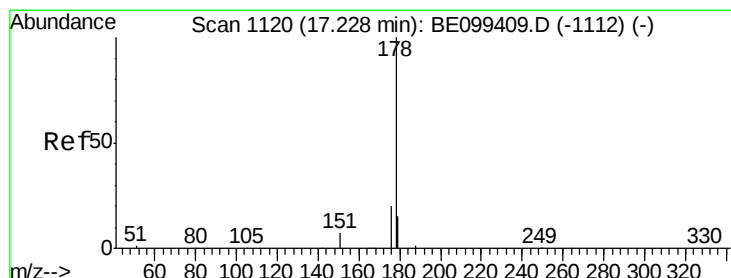
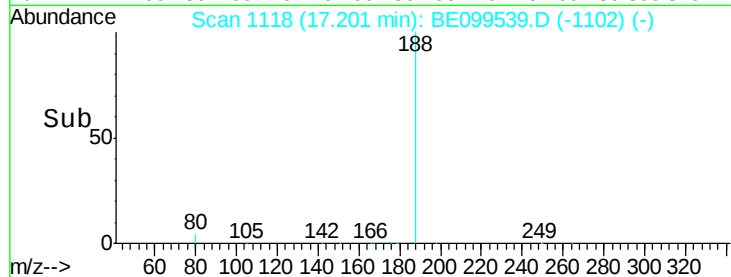
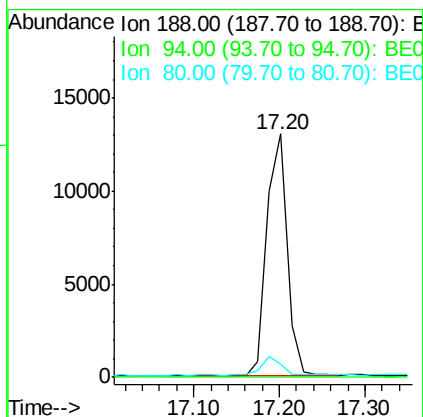
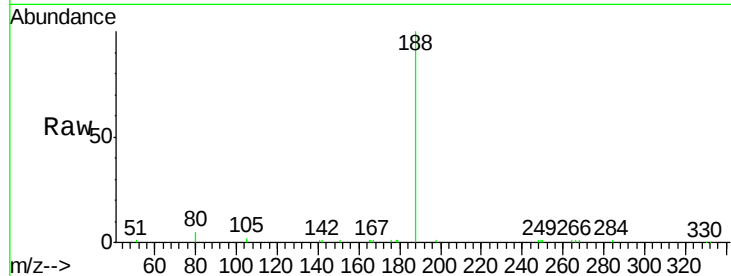
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.2	6.7	10.1#

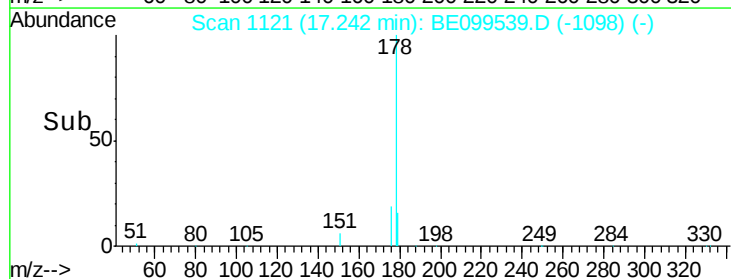
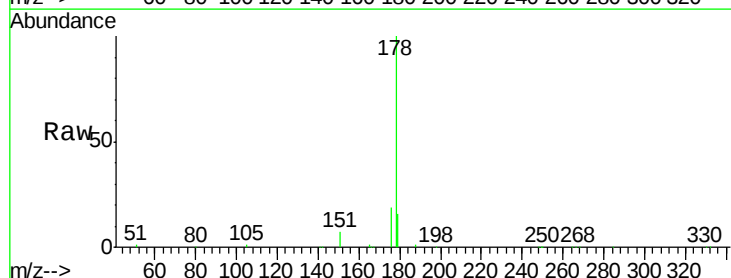
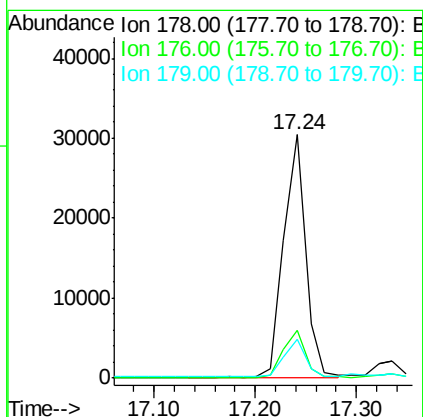
Manual Integrations
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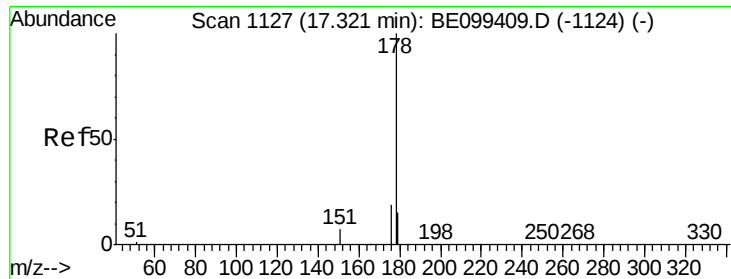
mohammad
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#23
Phenanthrene
Concen: 0.811 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.7	12.0	18.0





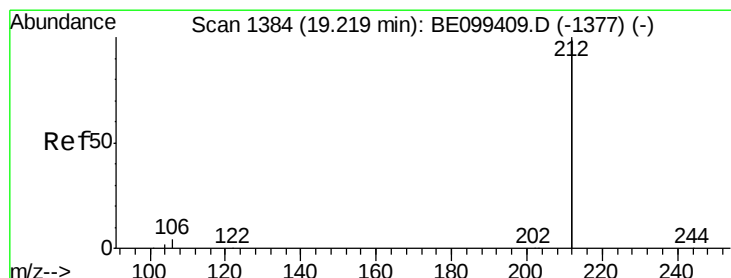
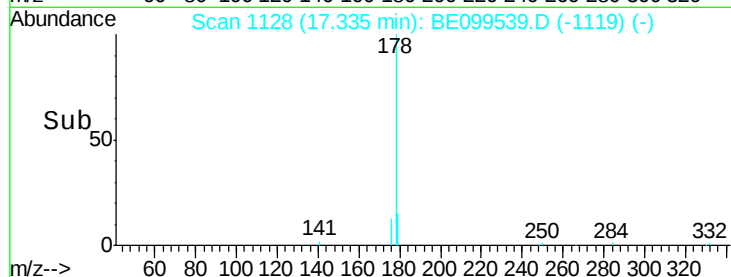
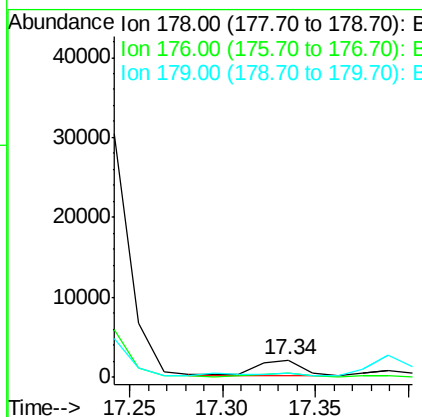
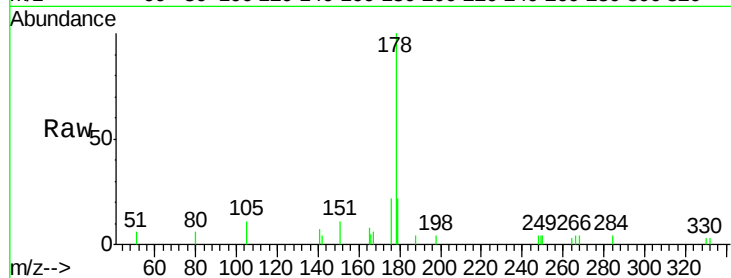
#24
 Anthracene
 Concen: 0.060 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.4	14.9	22.3#
179	23.6	11.9	17.9#

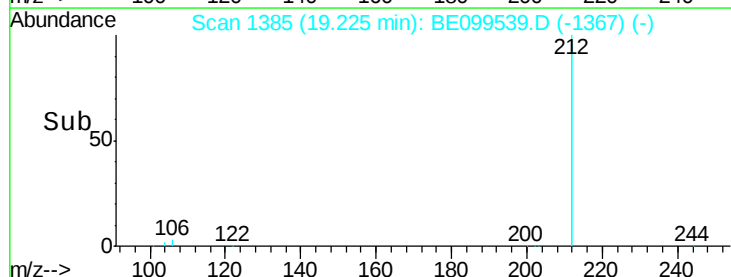
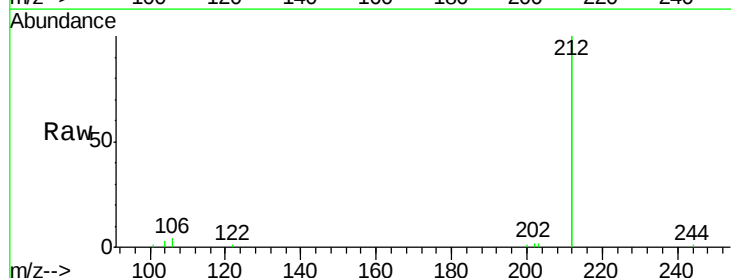
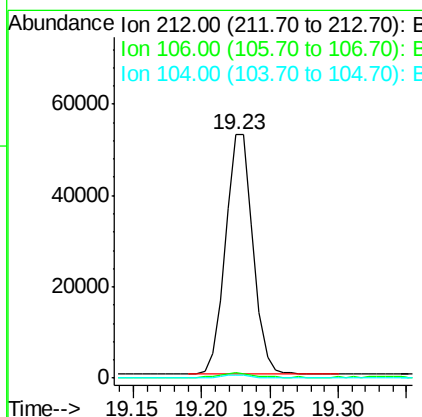
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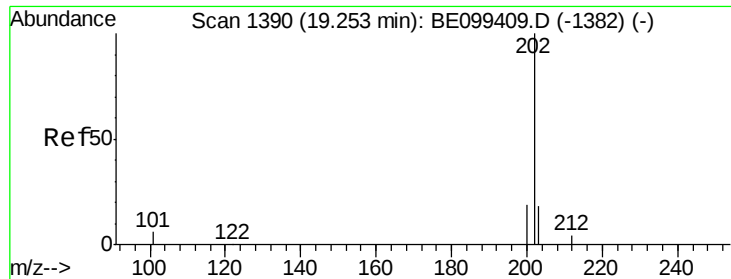
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#25
 Fluoranthene-d10
 Concen: 0.253 ng
 RT: 19.23 min Scan# 1385
 Delta R.T. 0.01 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.2	0.9	1.3





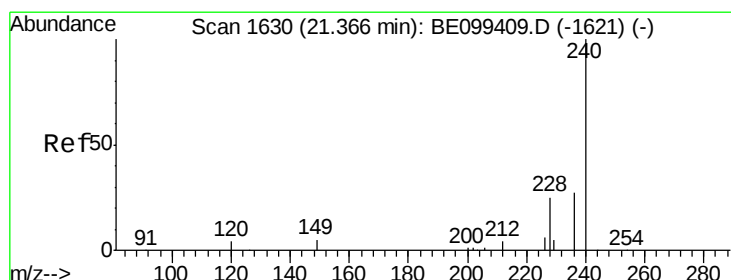
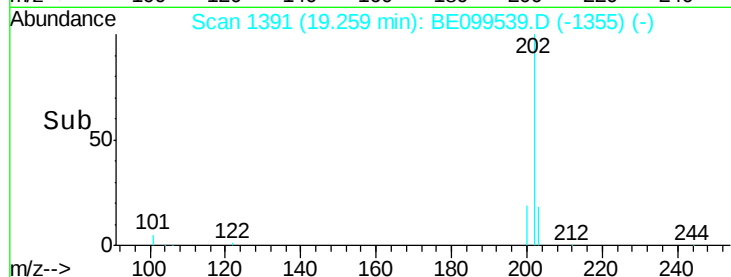
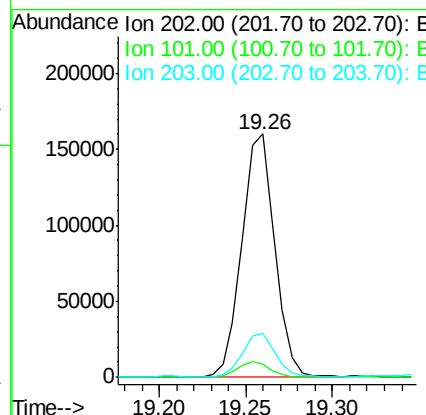
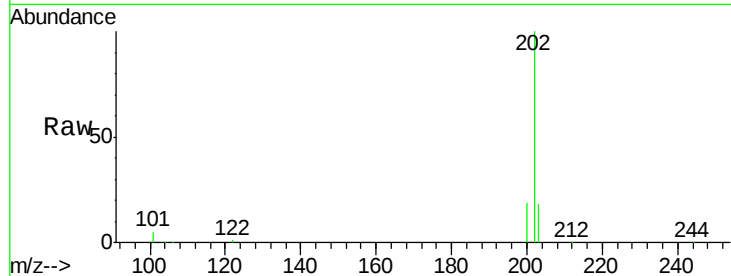
#26
Fluoranthene
Concen: 2.545 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	211563		
101	6.2	5.4	8.0	
203	17.4	13.9	20.9	

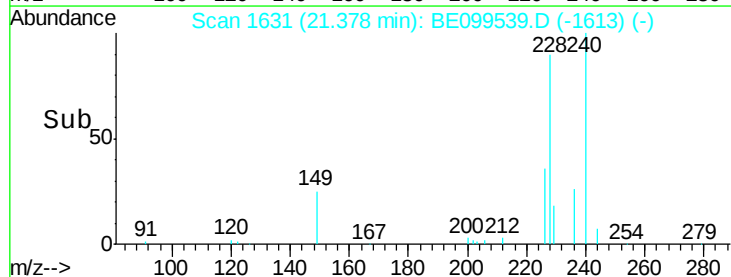
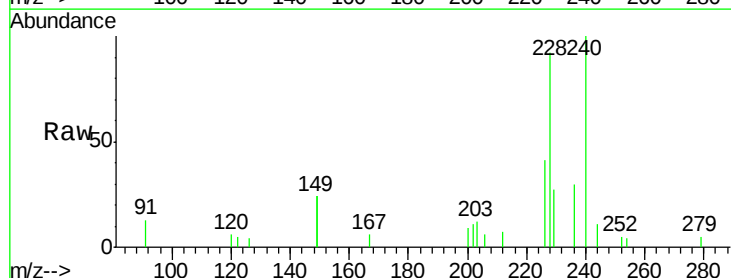
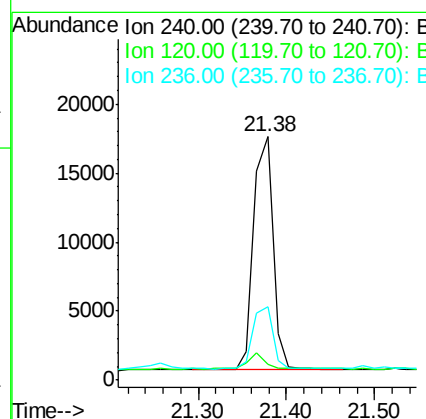
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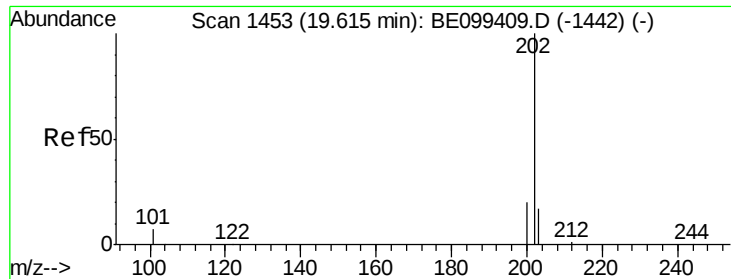
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26120		
120	6.4	4.0	6.0	#
236	30.3	22.0	33.0	





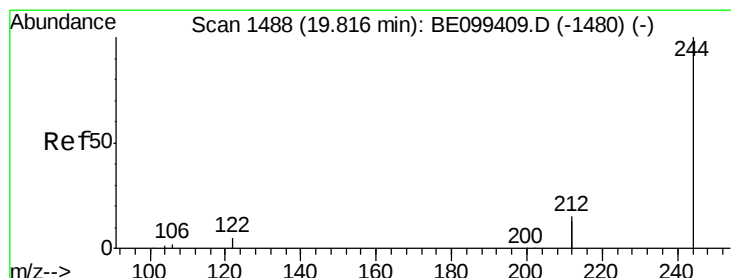
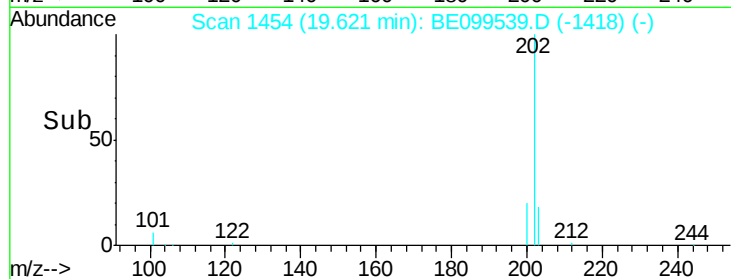
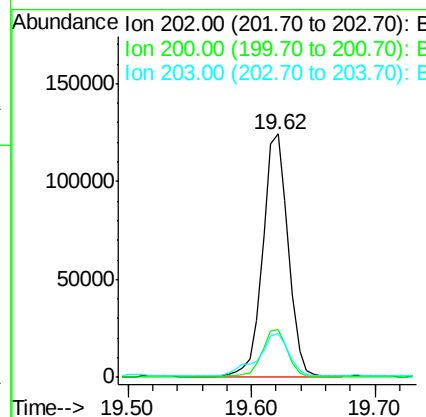
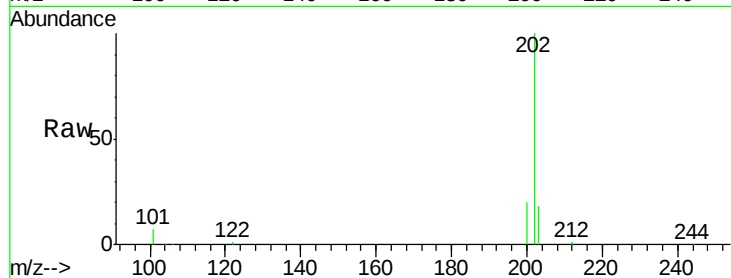
#28
 Pyrene
 Concen: 2.592 ng
 RT: 19.62 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	19.8	15.7	23.5
203	21.5	13.9	20.9

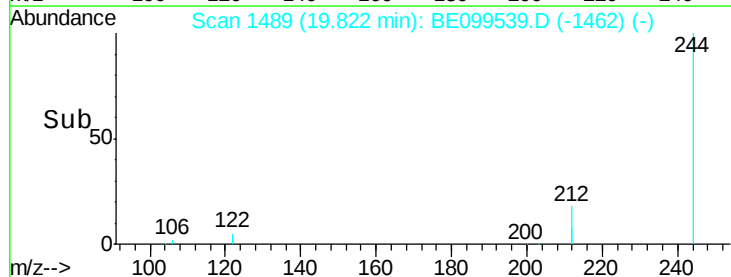
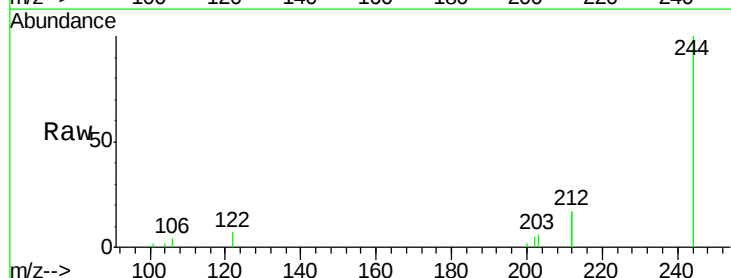
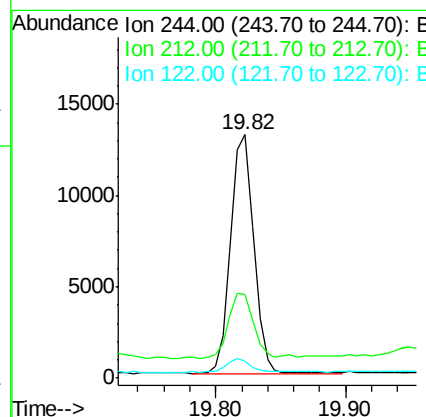
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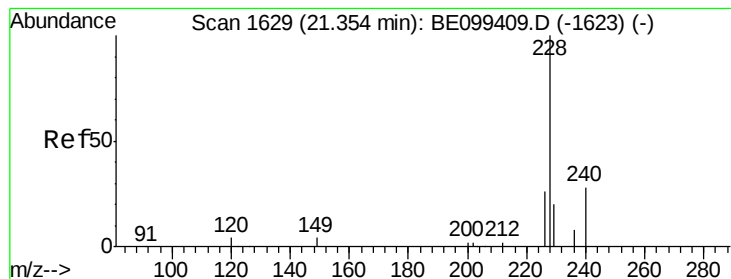
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#29
 Terphenyl-d14
 Concen: 0.339 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.01 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	34.3	23.2	34.8
122	7.1	4.2	6.4





#30

Benzo(a)anthracene

Concen: 1.101 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Instrument :

BNA_E

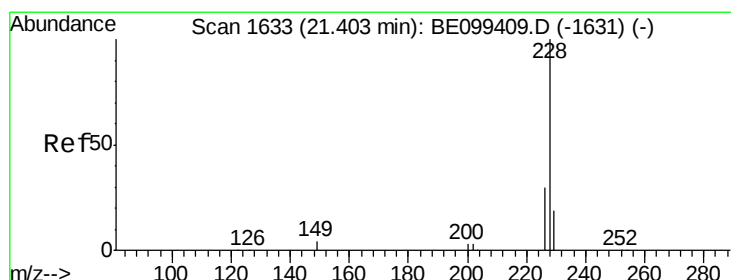
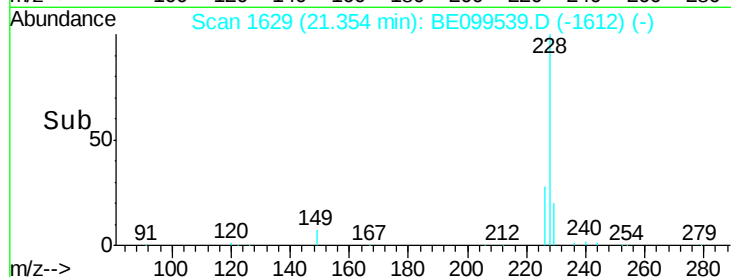
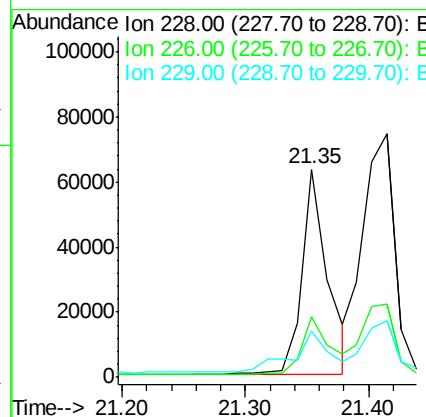
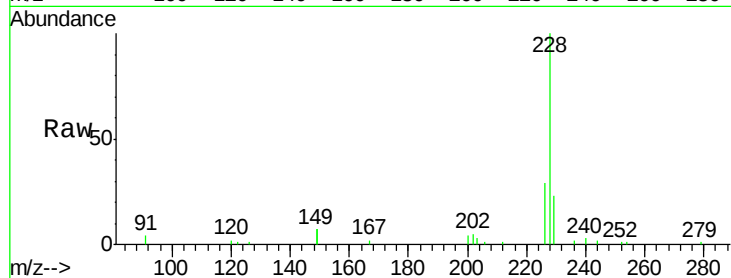
ClientSampleId :

EXT-025-SW029-042219

Tgt Ion:	228	Resp:	91624
Ion Ratio	Lower	Upper	
228	100		
226	29.1	21.0	31.6
229	22.6	16.6	25.0

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#31

Chrysene

Concen: 1.630 ng

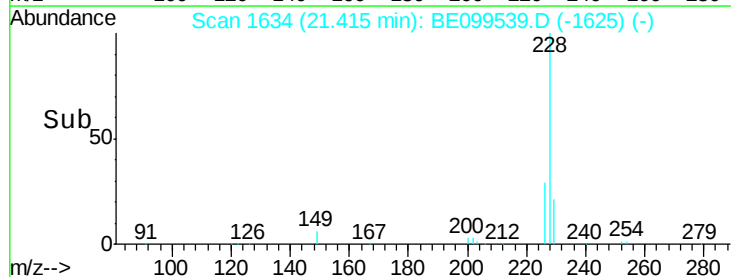
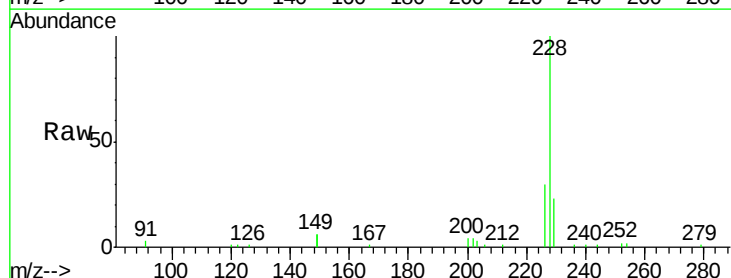
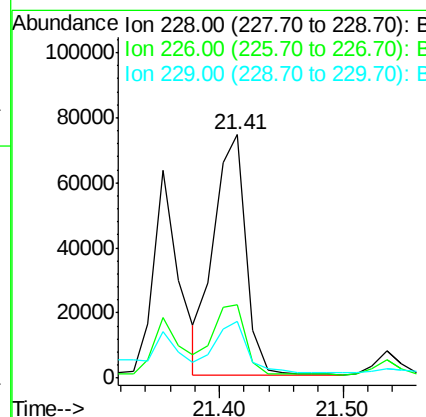
RT: 21.41 min Scan# 1634

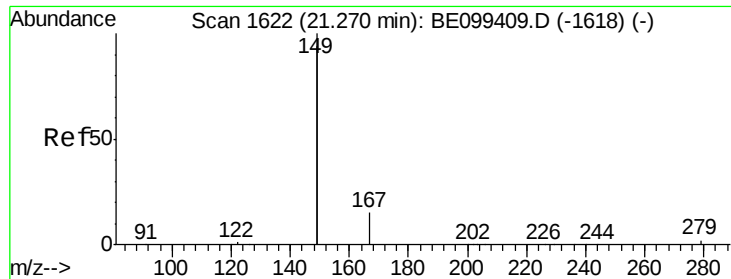
Delta R.T. 0.01 min

Lab File: BE099539.D

Acq: 3 May 2019 20:42

Tgt Ion:	228	Resp:	132750
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	23.4	15.8	23.8





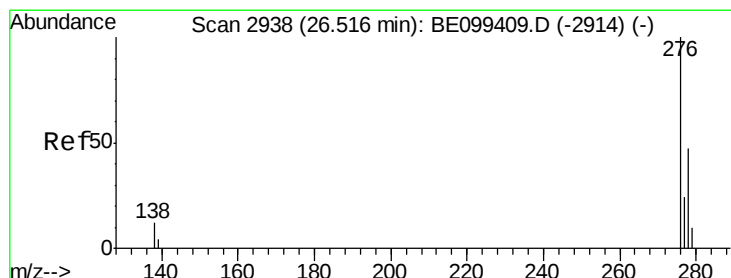
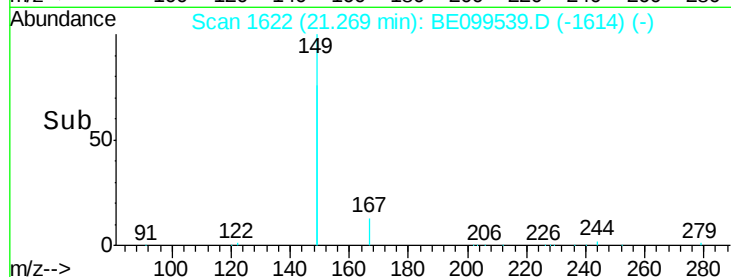
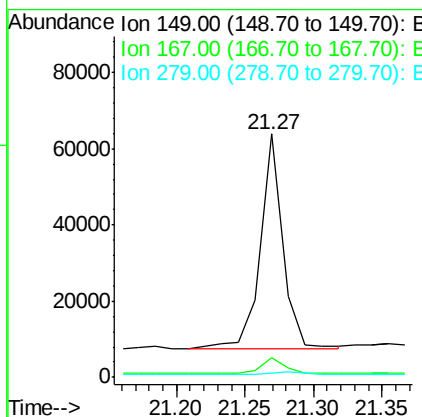
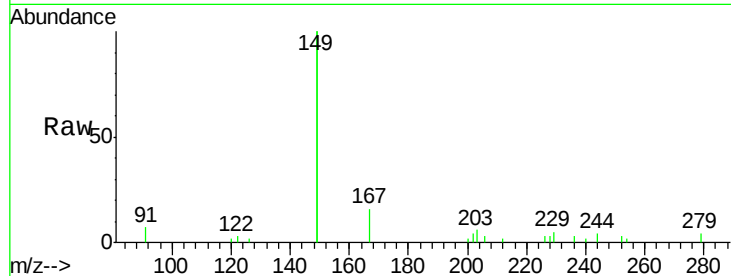
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.470 ng
 RT: 21.27 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	63584		
167	7.5		5.8	8.6
279	1.5		1.0	1.6

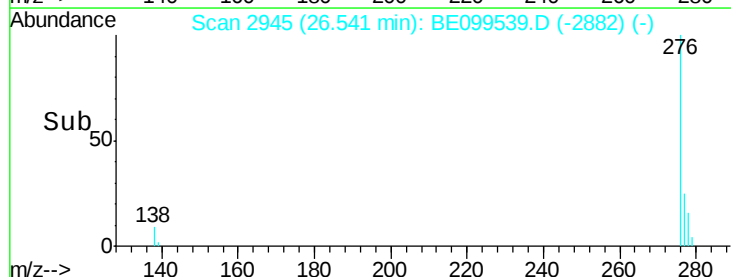
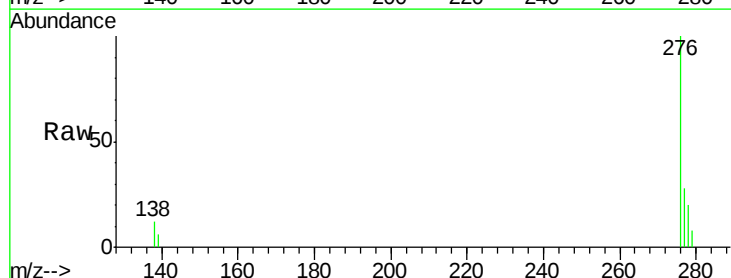
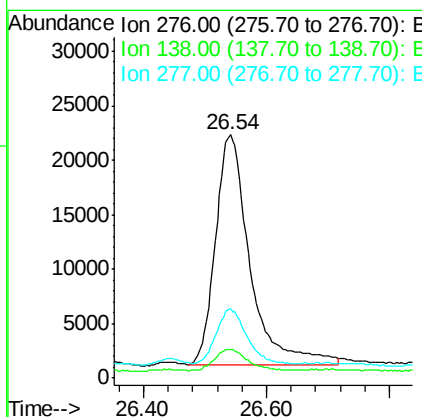
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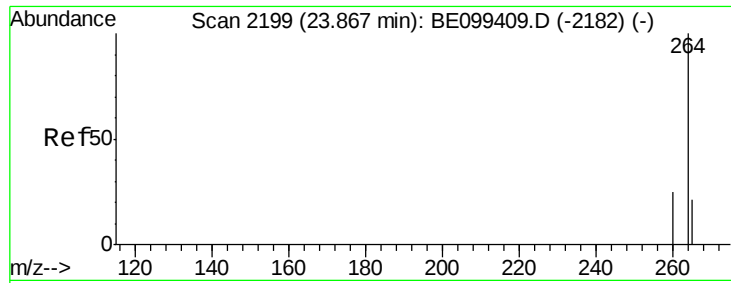
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.859 ng
 RT: 26.54 min Scan# 2945
 Delta R.T. 0.03 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	82725		
138	8.9		10.2	15.2#
277	21.1		19.2	28.8





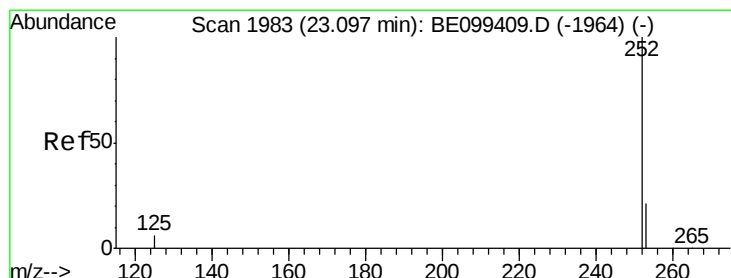
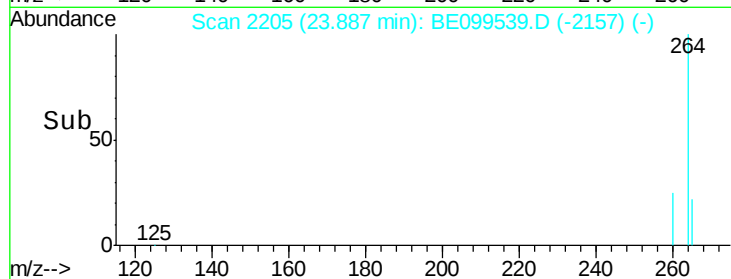
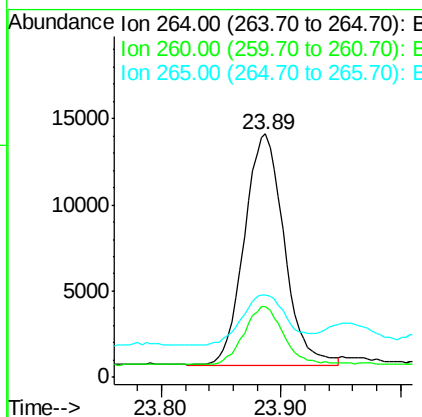
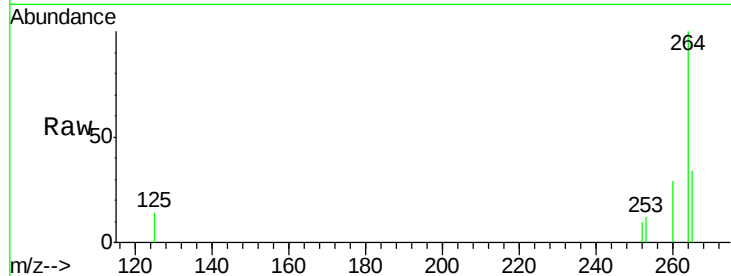
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.89 min Scan# 2205
 Delta R.T. 0.02 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Instrument :
 BNA_E
 ClientSampleId :
 EXT-025-SW029-042219

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	31017		
260	28.9	20.2	30.2	
265	33.9	21.3	31.9	

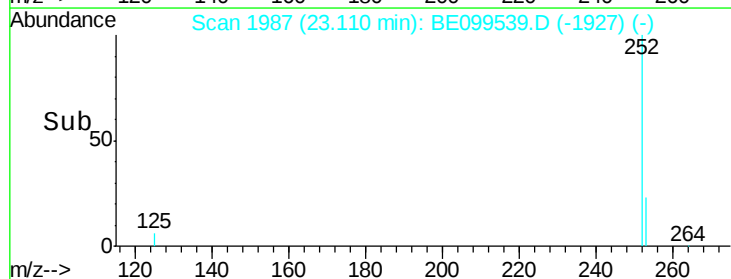
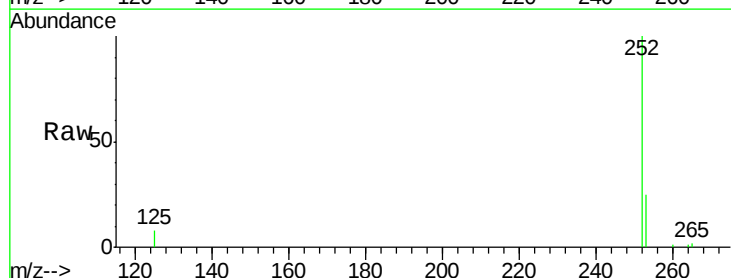
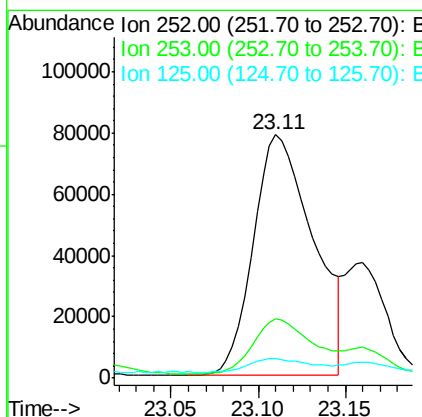
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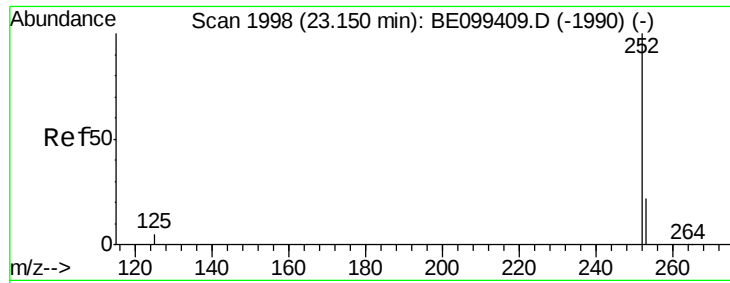
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#35
Benzo(b)fluoranthene
 Concen: 2.091 ng
 RT: 23.11 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: BE099539.D
 Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	187056		
253	24.6	18.1	27.1	
125	8.3	5.6	8.4	





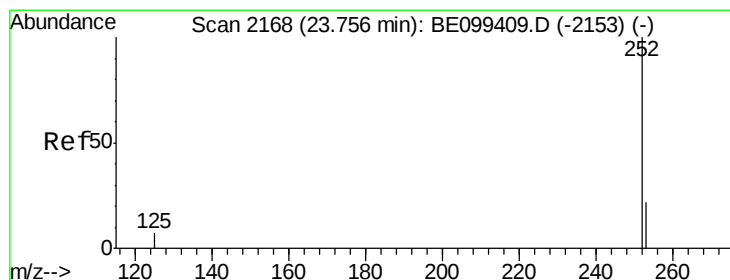
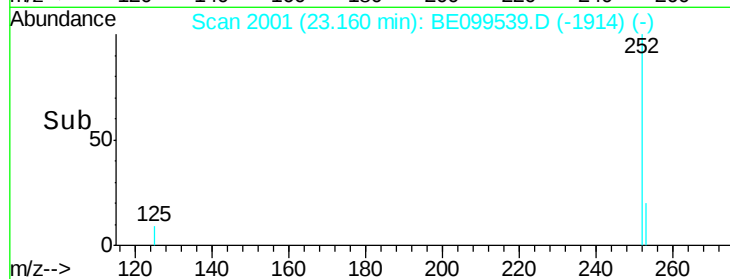
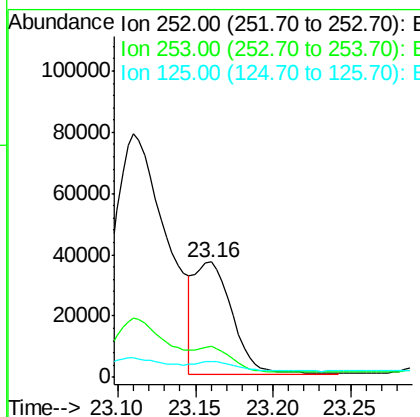
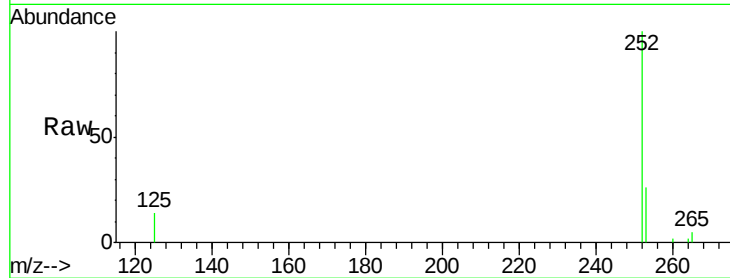
#36
Benzo(k)fluoranthene
Concen: 0.716 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.4	27.6
125	13.8	5.0	7.4

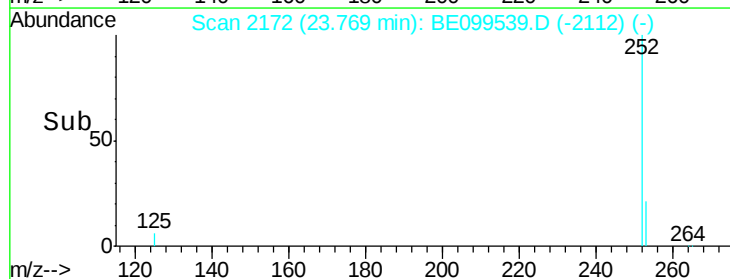
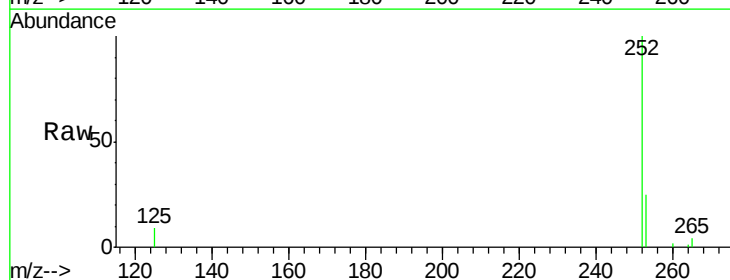
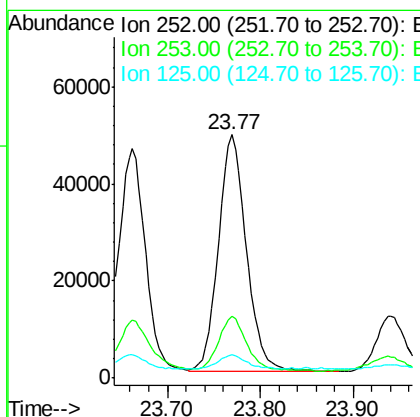
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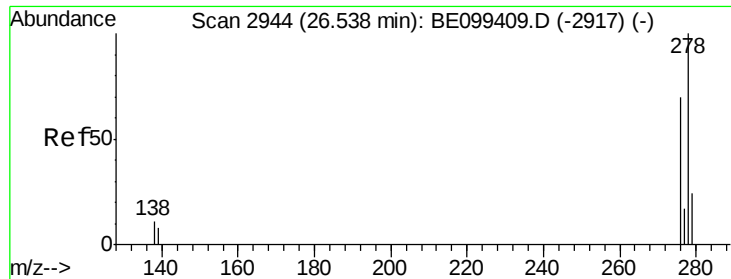
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#37
Benzo(a)pyrene
Concen: 1.205 ng
RT: 23.77 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.9	28.3
125	9.5	6.7	10.1





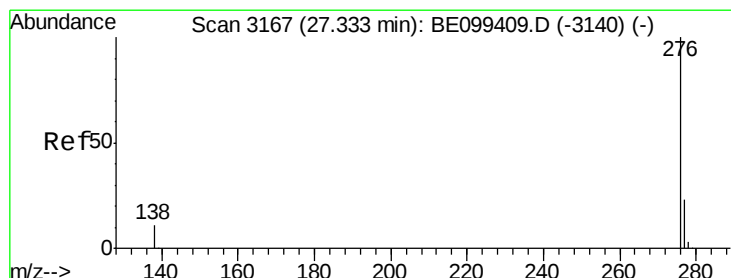
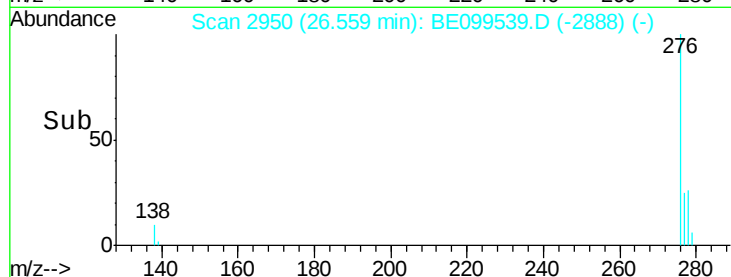
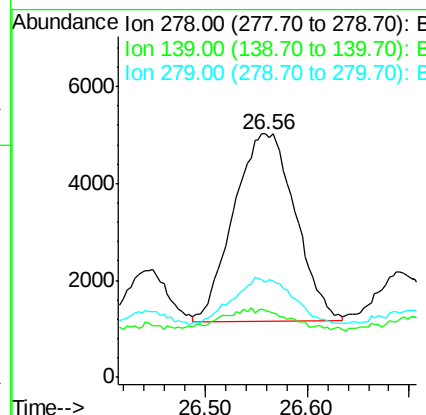
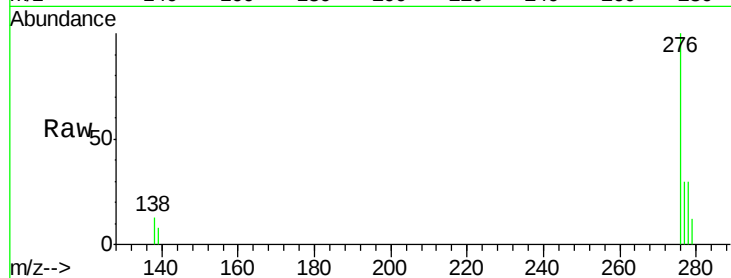
#38
Dibenzo(a,h)anthracene
Concen: 0.187 ng
RT: 26.56 min Scan# 2950
Delta R.T. 0.02 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Instrument :
BNA_E
ClientSampleId :
EXT-025-SW029-042219

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.4	7.7	11.5#
279	39.0	20.2	30.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.888 ng
RT: 27.37 min Scan# 3176
Delta R.T. 0.03 min
Lab File: BE099539.D
Acq: 3 May 2019 20:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.5	29.3
138	12.2	9.6	14.4

