

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088441.D
 Acq On : 1 Nov 2014 2:30
 Operator : TP/JJ
 Sample : F4379-14
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014

Manual Integrations
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Quant Time: Nov 01 06:06:32 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	34827	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	126193	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	54036	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	93257	5.00	ng	0.00
16) Chrysene-d12	18.31	240	45967	5.00	ng	0.00
22) Perylene-d12	21.37	264	42240	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.78	82	503939	54.45	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	601077	39.47	ng	0.00
18) Terphenyl-d14	16.09	244	333940	39.54	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Fluorene	11.50	166	430	0.03	ng	99
13) Phenanthrene	12.94	178	25809	0.30	ng	# 88
14) Anthracene	13.02	178	4642	0.07	ng	# 81
15) Fluoranthene	15.18	202	5871	0.43	ng	100
17) Pyrene	15.63	202	5236m	0.35	ng	
19) Benzo(a)anthracene	18.29	228	10049	0.23	ng	94
20) Chrysene	18.36	228	11022m	0.26	ng	
21) Indeno(1,2,3-cd)pyrene	23.55	276	5843m	0.15	ng	
23) Benzo(b)fluoranthene	20.61	252	3068	0.33	ng	# 89
24) Benzo(k)fluoranthene	20.67	252	1295	0.13	ng	# 80
25) Benzo(a)pyrene	21.25	252	2027	0.23	ng	# 88
27) Benzo(g,h,i)perylene	24.16	276	5662	0.15	ng	# 84

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

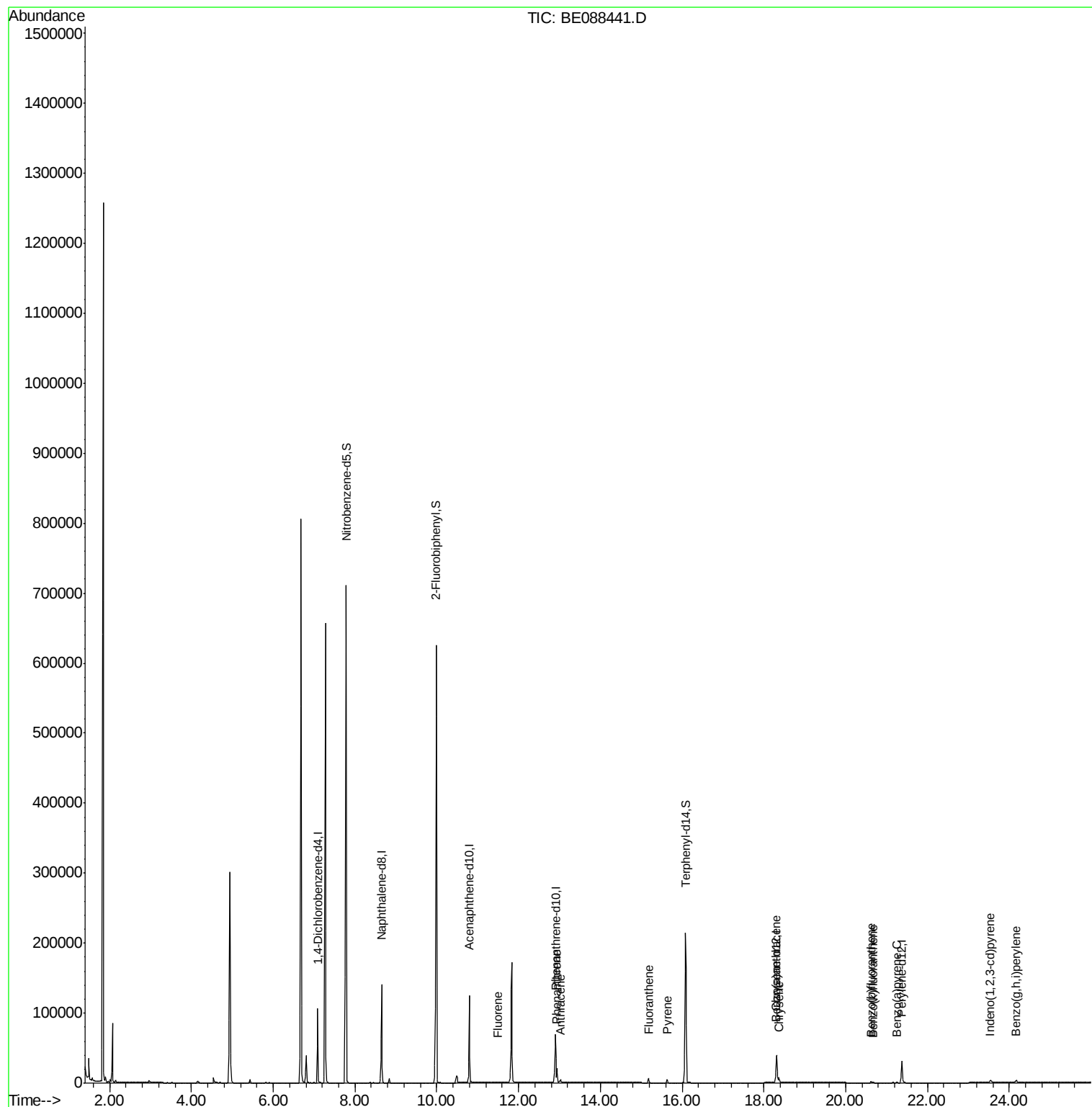
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088441.D
Acq On : 1 Nov 2014 2:30
Operator : TP/JJ
Sample : F4379-14
Misc :
ALS Vial : 19 Sample Multiplier: 1

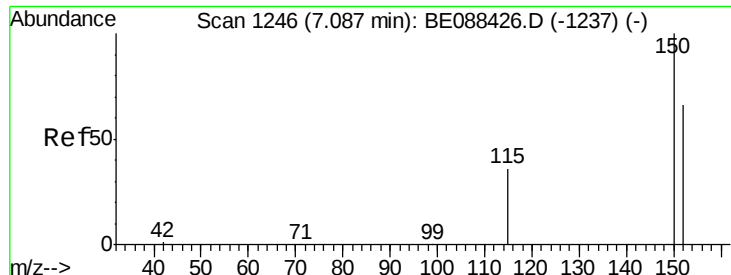
Instrument :
BNA_E
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088441.D

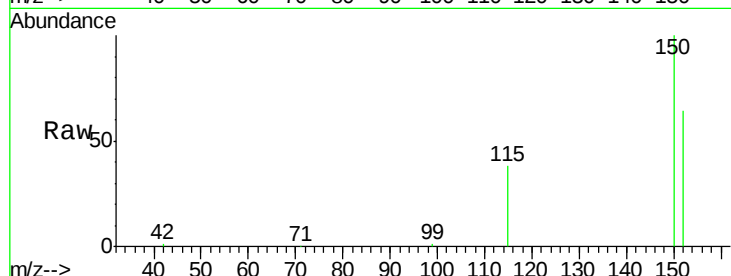
Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

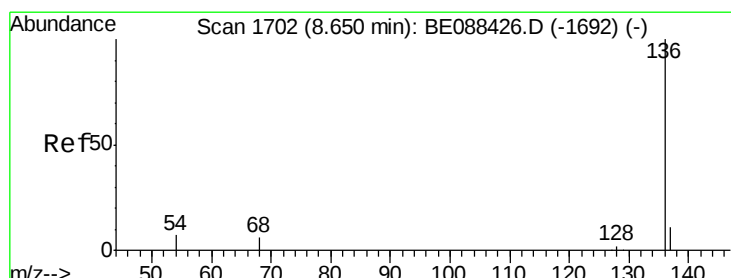
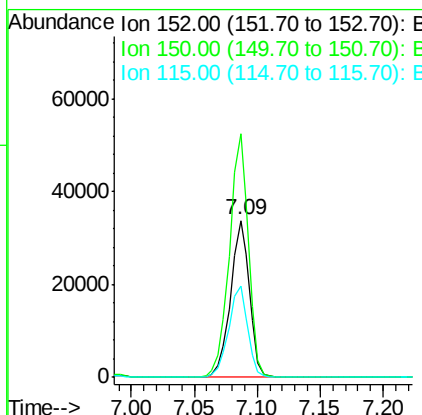
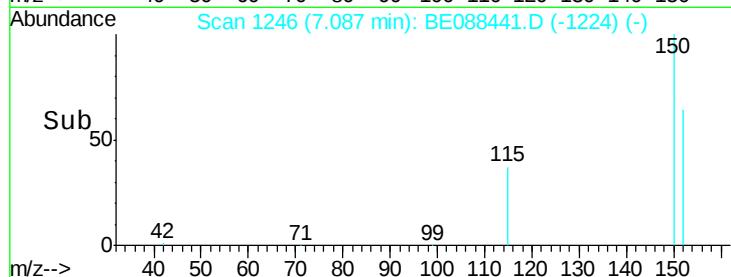
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Tgt Ion:	152	Resp:	34827
Ion Ratio	Lower	Upper	
152	100		
150	155.1	121.8	182.8
115	58.2	43.9	65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

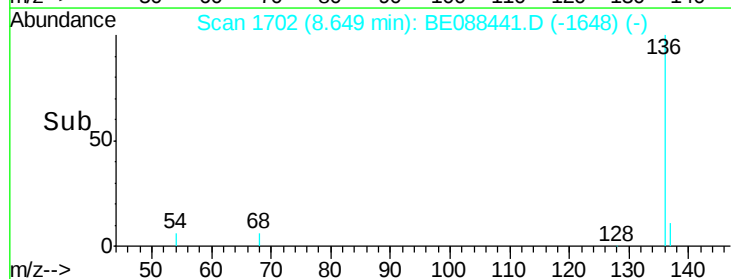
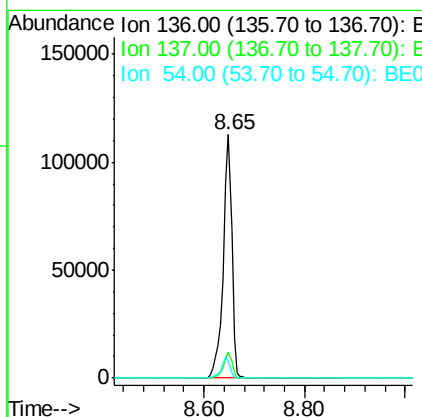
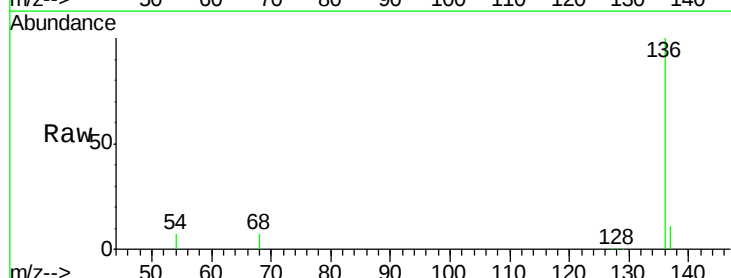
RT: 8.65 min Scan# 1702

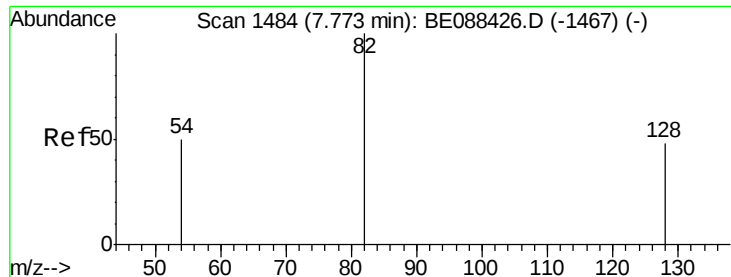
Delta R.T. -0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Tgt Ion:	136	Resp:	126193
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	6.8	5.3	7.9





#4

Nitrobenzene-d5

Concen: 54.45 ng

RT: 7.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE088441.D

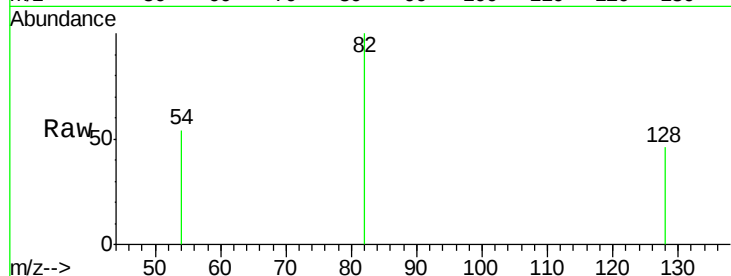
Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 82 Resp: 503939

Ion Ratio Lower Upper

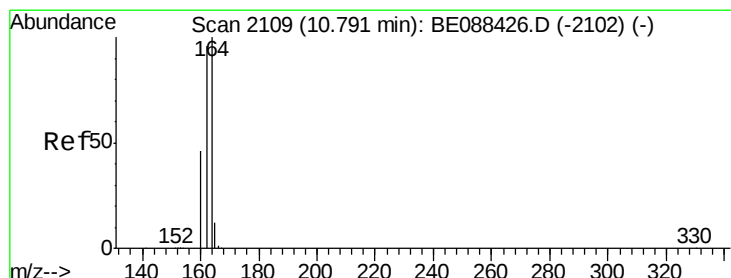
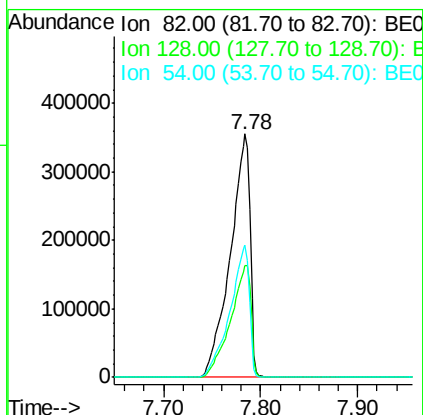
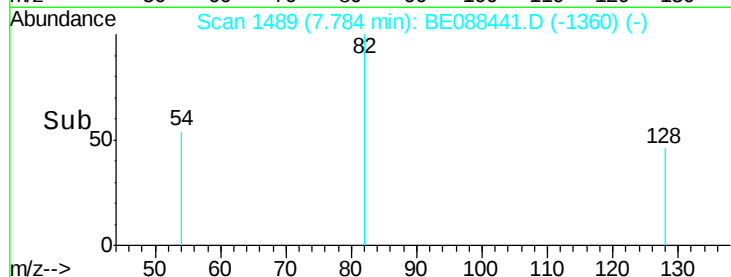
82 100

128 46.1 38.4 57.6

54 54.1 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

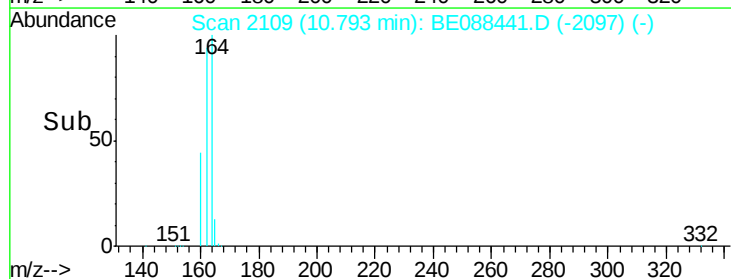
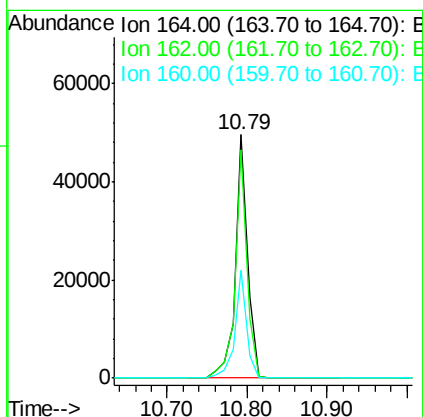
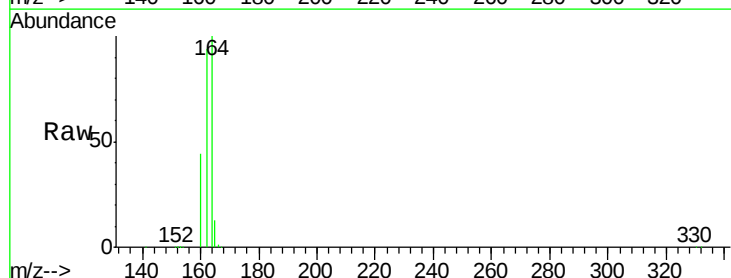
Tgt Ion: 164 Resp: 54036

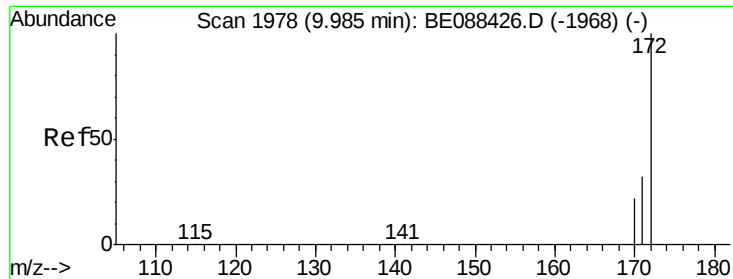
Ion Ratio Lower Upper

164 100

162 93.8 77.0 115.4

160 44.2 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 39.47 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088441.D

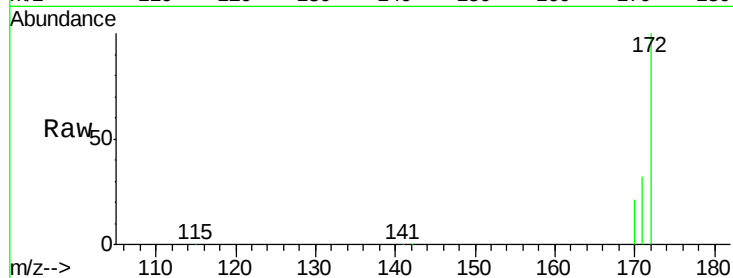
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Instrument :

BNA_E

ClientSampleId :

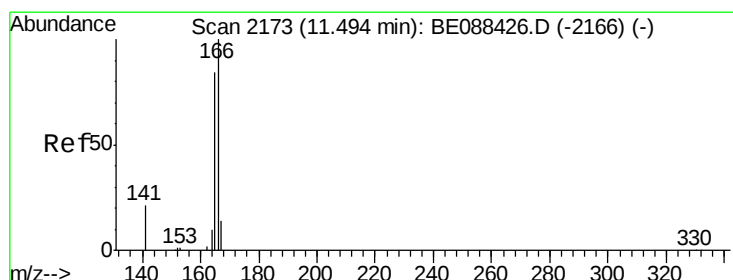
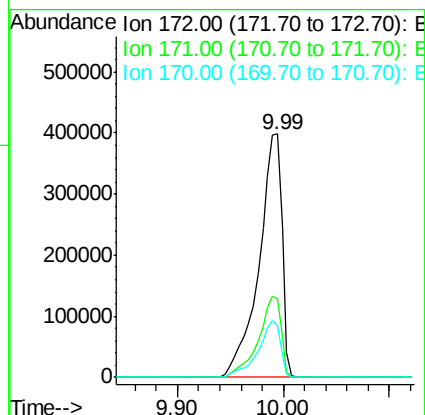
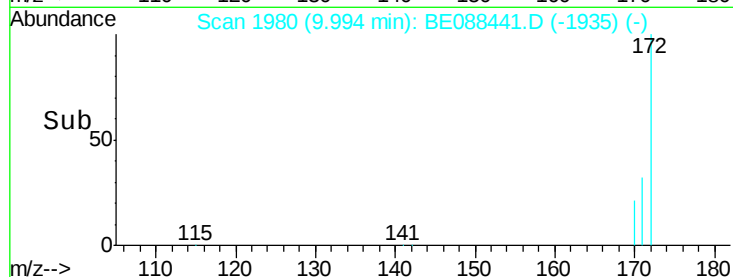
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Tgt Ion:	172	Resp:	601077
Ion Ratio		Lower	Upper
172	100		
171	32.3	26.0	39.0
170	21.4	17.6	26.4

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#11

Fluorene

Concen: 0.03 ng

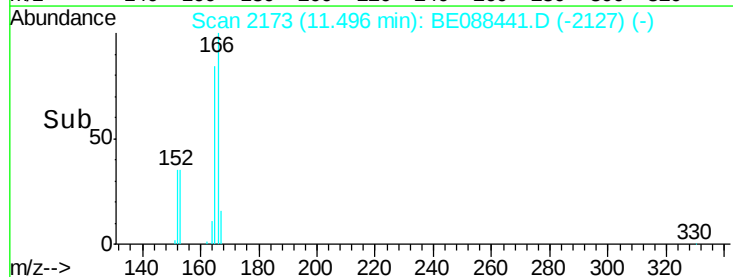
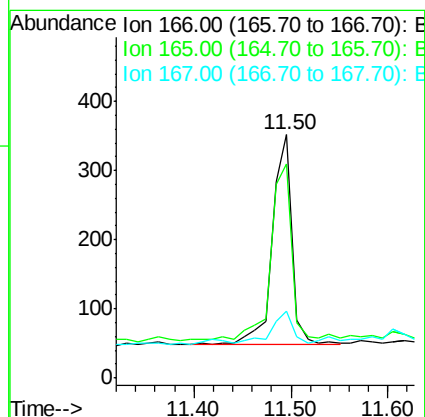
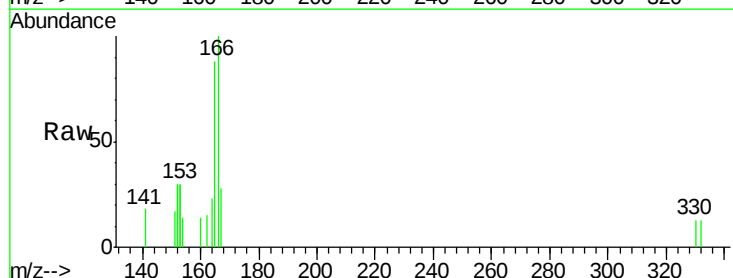
RT: 11.50 min Scan# 2173

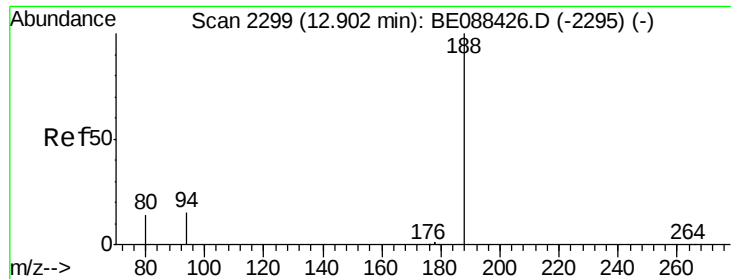
Delta R.T. 0.00 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Tgt Ion:	166	Resp:	430
Ion Ratio		Lower	Upper
166	100		
165	89.1	71.3	106.9
167	16.0	10.7	16.1





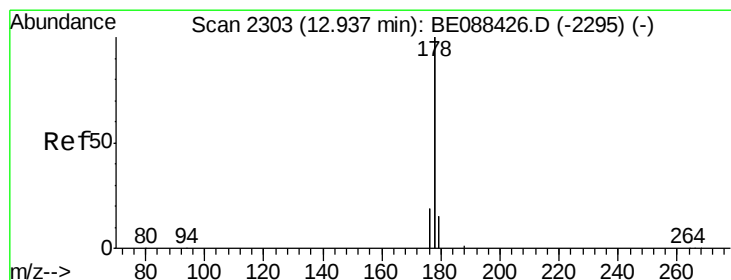
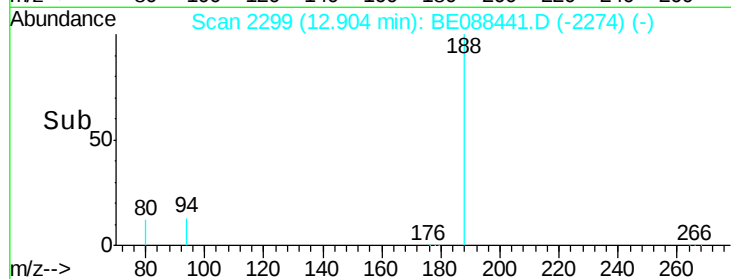
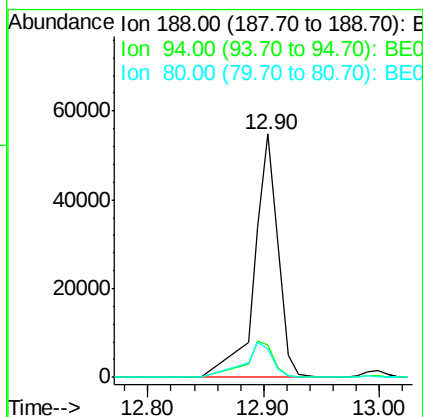
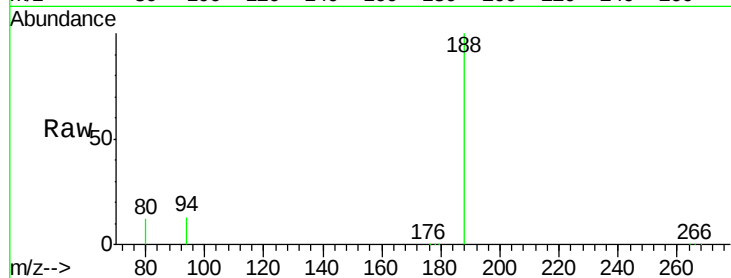
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. 0.00 min
Lab File: BE088441.D
Acq: 1 Nov 2014 2:30

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	13.1	11.8	17.8
80	11.7	10.9	16.3

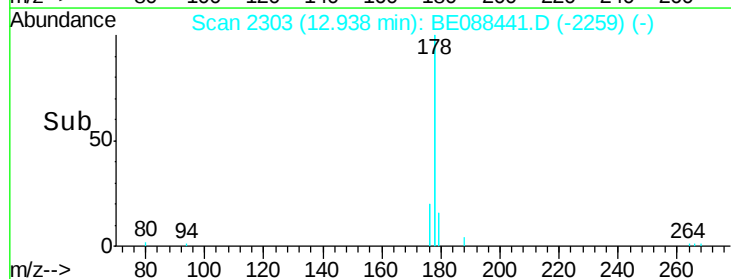
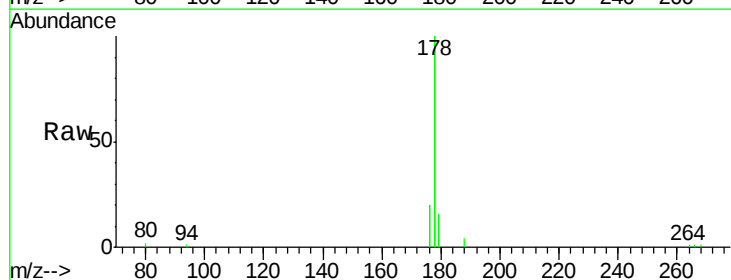
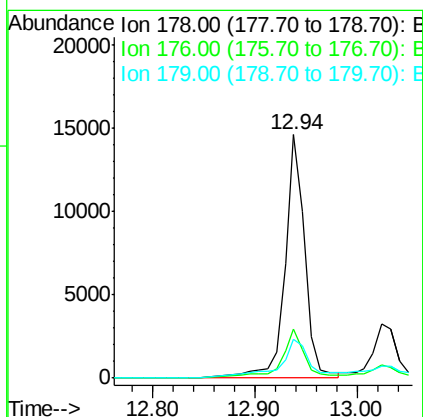
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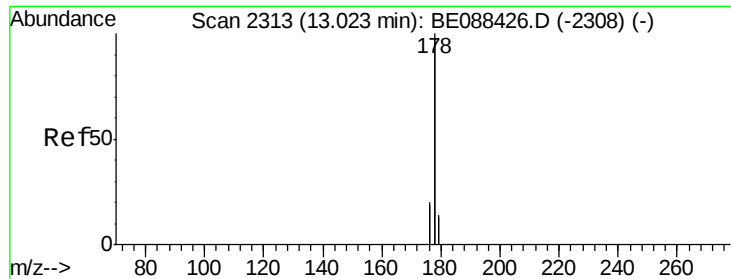
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#13
Phenanthrene
Concen: 0.30 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088441.D
Acq: 1 Nov 2014 2:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	23.5	15.4	23.2#
179	22.9	12.8	19.2#





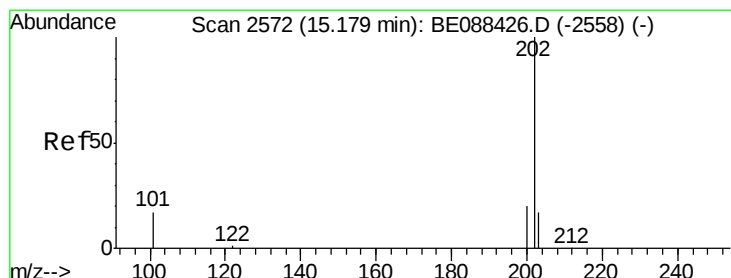
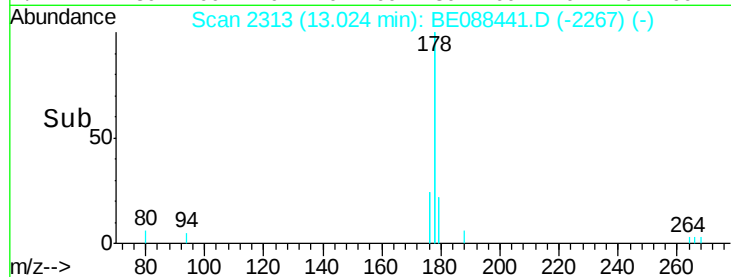
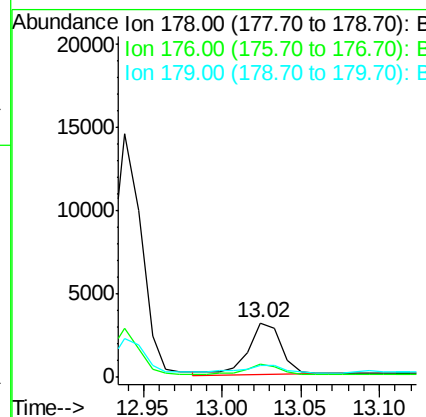
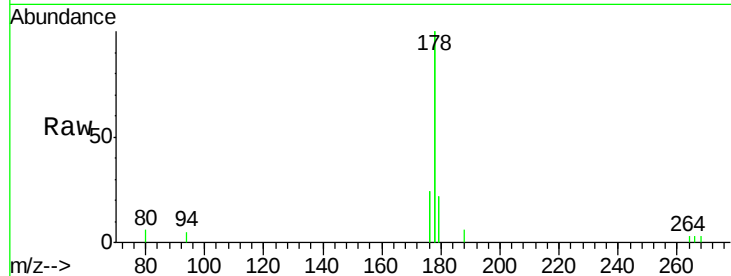
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 Anthracene
 Concen: 0.07 ng
 RT: 13.02 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.1	15.0	22.4#
179	28.2	12.5	18.7#

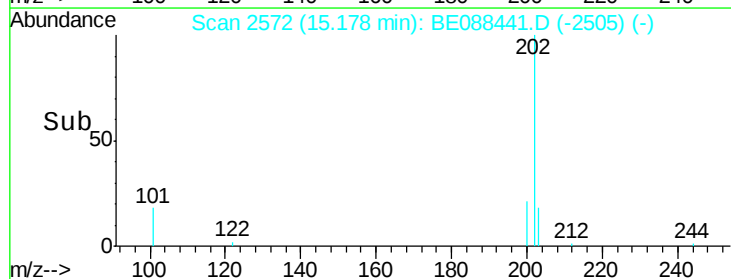
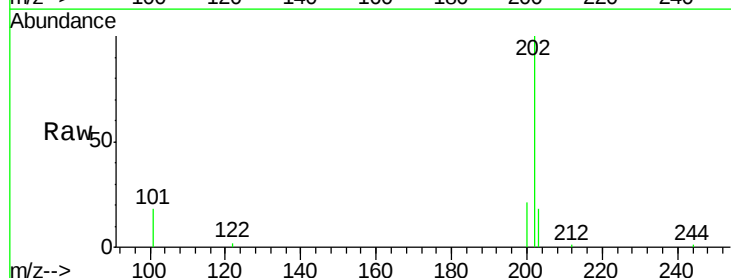
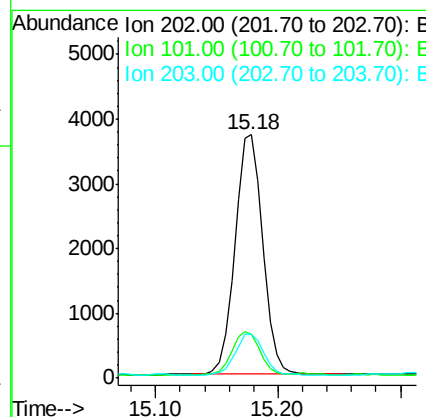
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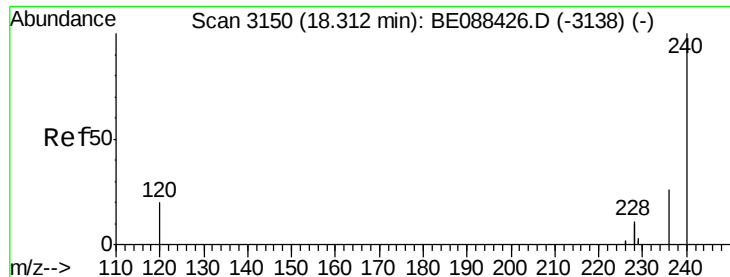
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#15
 Fluoranthene
 Concen: 0.43 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.3	21.5
203	17.3	13.6	20.4





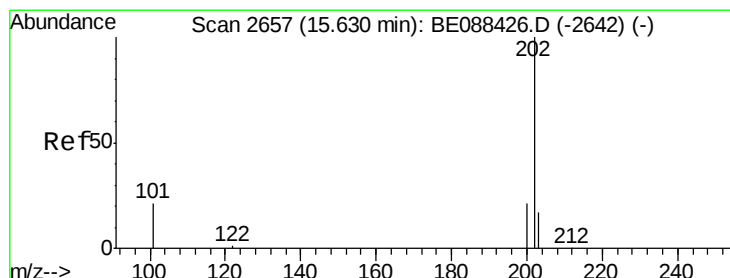
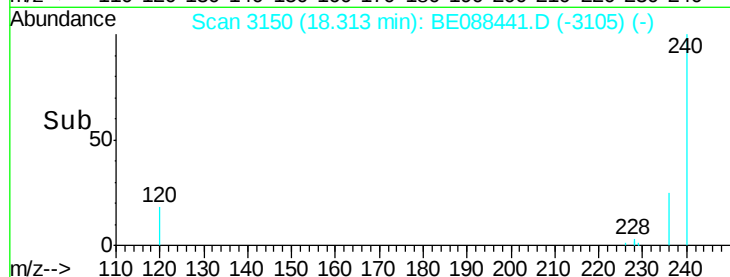
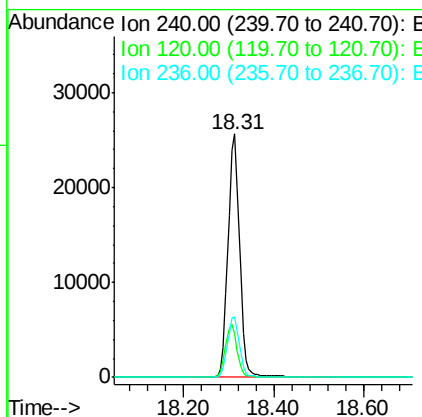
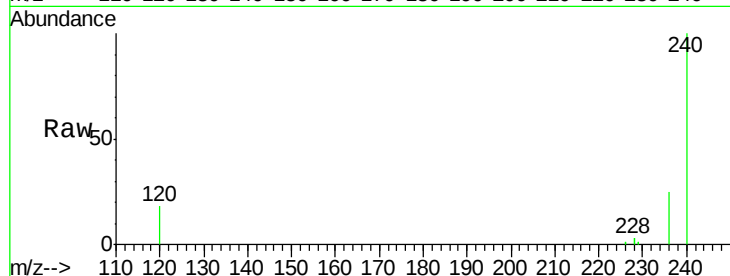
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088441.D
Acq: 1 Nov 2014 2:30

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	45967		
120	18.1	16.4	24.6	
236	25.1	20.5	30.7	

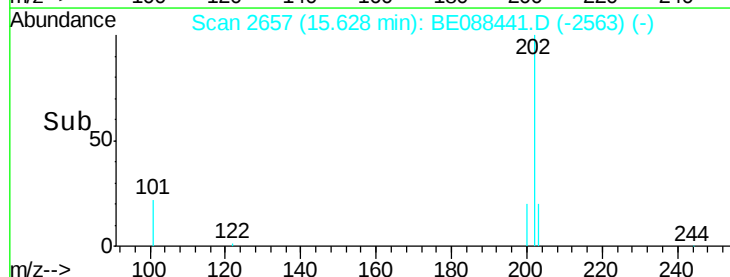
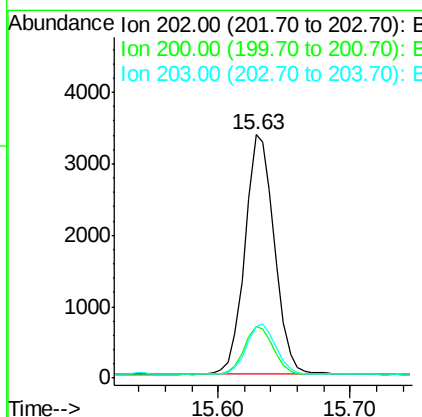
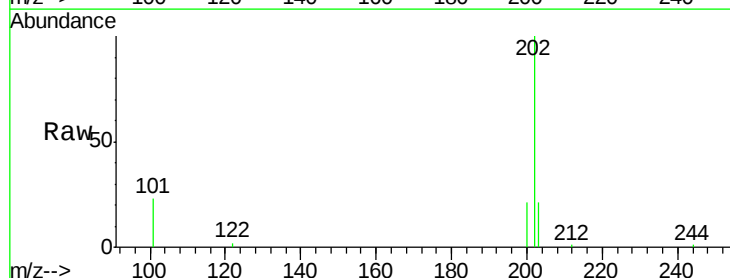
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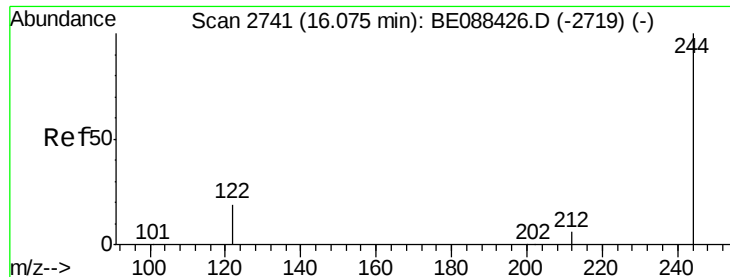
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#17
Pyrene
Concen: 0.35 ng m
RT: 15.63 min Scan# 2657
Delta R.T. -0.00 min
Lab File: BE088441.D
Acq: 1 Nov 2014 2:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	5236		
200	22.7	16.1	24.1	
203	19.4	13.8	20.8	





#18

Terphenyl-d14

Concen: 39.54 ng

RT: 16.09 min Scan# 2744

Delta R.T. 0.01 min

Lab File: BE088441.D

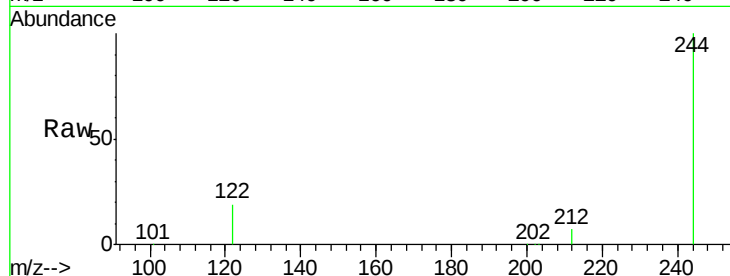
Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

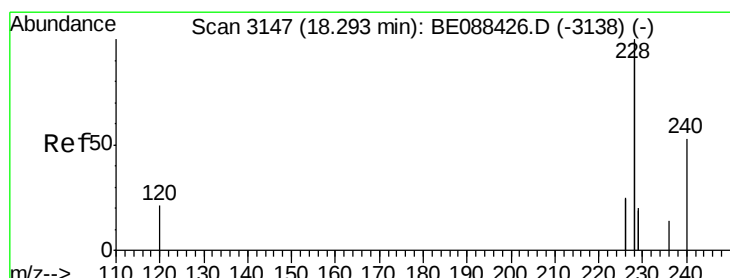
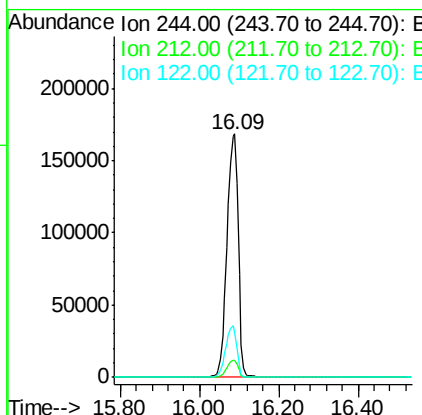
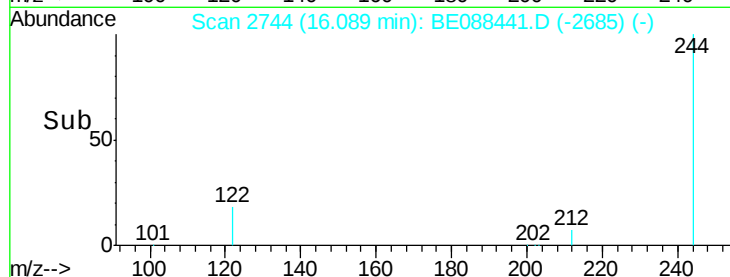
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Tgt Ion:	244	Resp:	333940
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.5	8.3
122	18.5	15.6	23.4

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#19

Benzo(a)anthracene

Concen: 0.23 ng

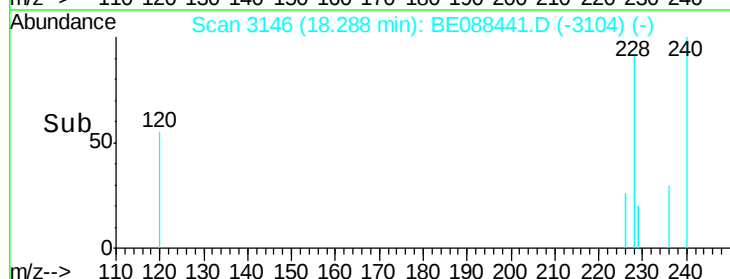
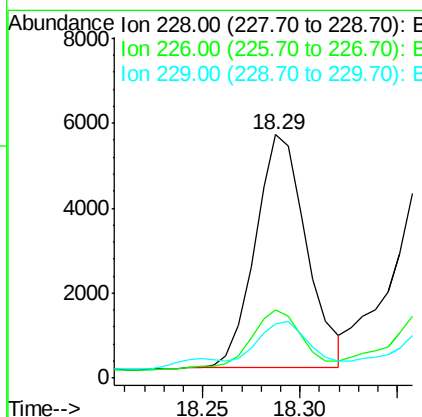
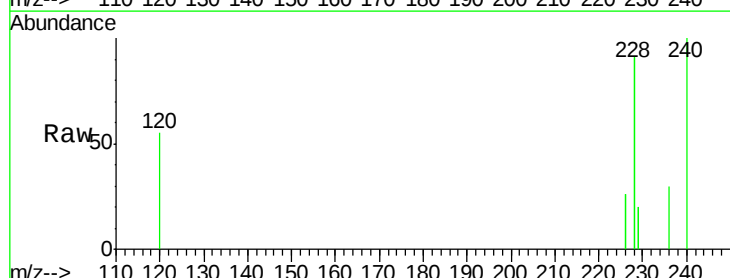
RT: 18.29 min Scan# 3146

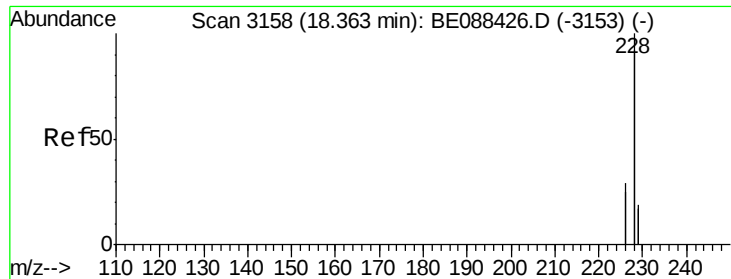
Delta R.T. -0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

Tgt Ion:	228	Resp:	10049
Ion Ratio	Lower	Upper	
228	100		
226	28.3	19.8	29.6
229	22.1	16.0	24.0





#20

Chrysene

Concen: 0.26 ng m

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088441.D

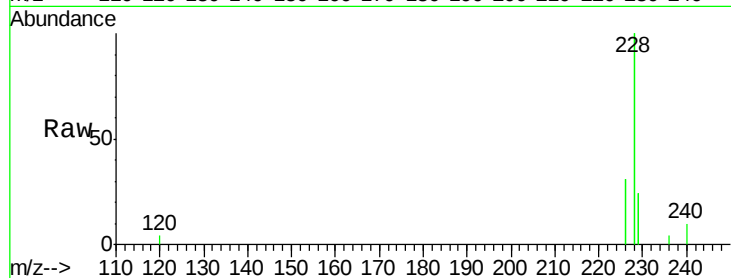
Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

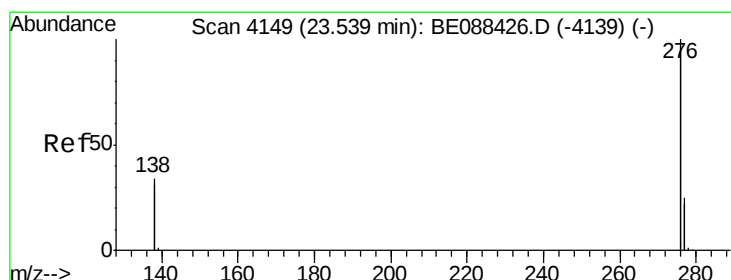
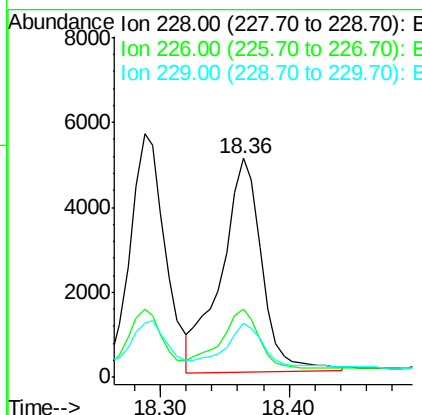
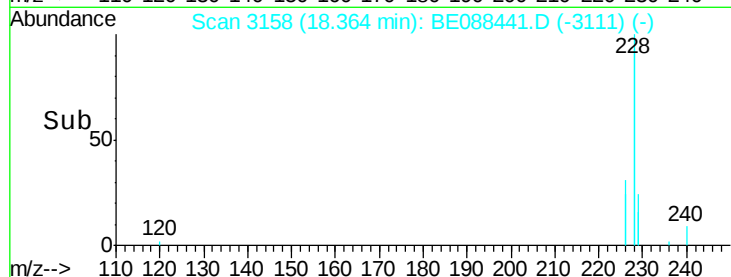
YS19-SB37-1014



Tgt Ion:	228	Resp:	11022
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.6	35.4
229	24.5	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.15 ng m

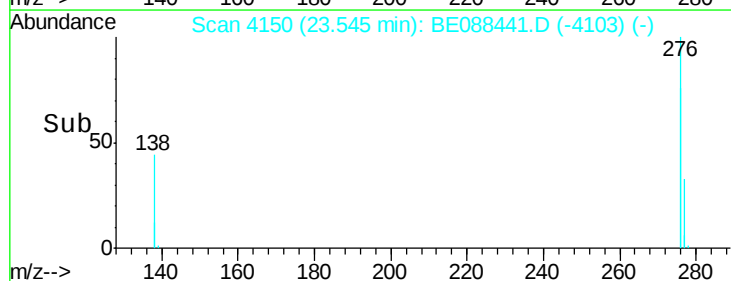
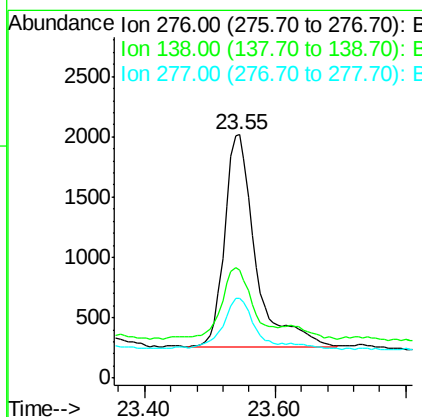
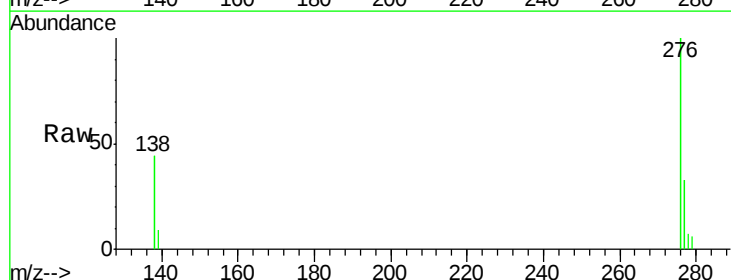
RT: 23.55 min Scan# 4150

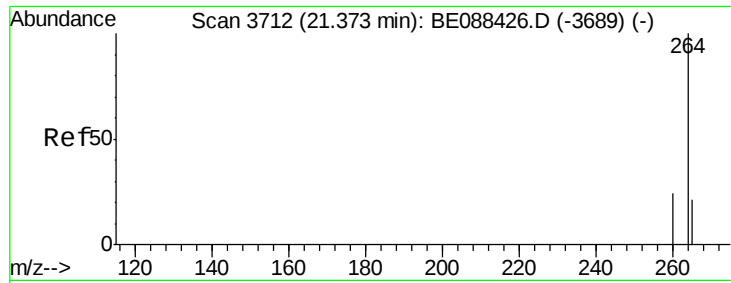
Delta R.T. 0.01 min

Lab File: BE088441.D

Acq: 1 Nov 2014 2:30

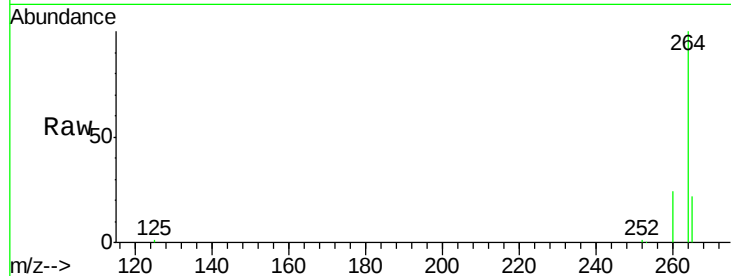
Tgt Ion:	276	Resp:	5843
Ion Ratio	Lower	Upper	
276	100		
138	31.2	20.2	30.2
277	21.7	14.8	22.2





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

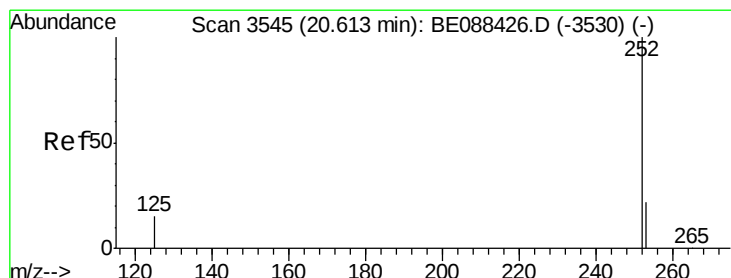
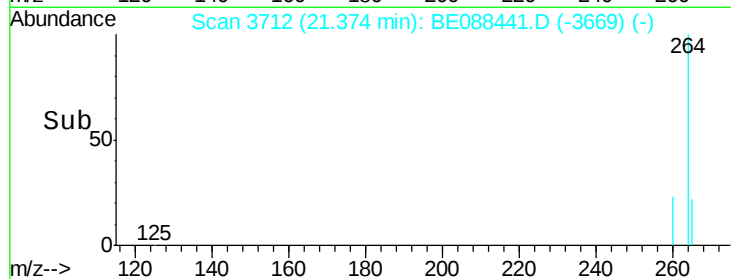
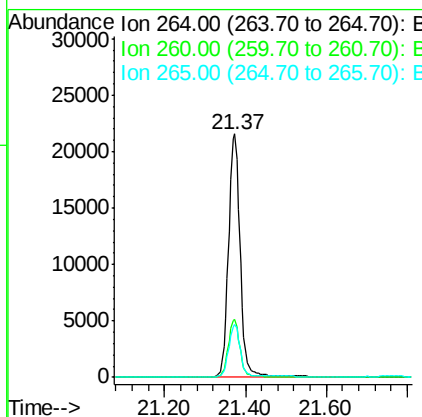
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014



Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.8	17.2	25.8

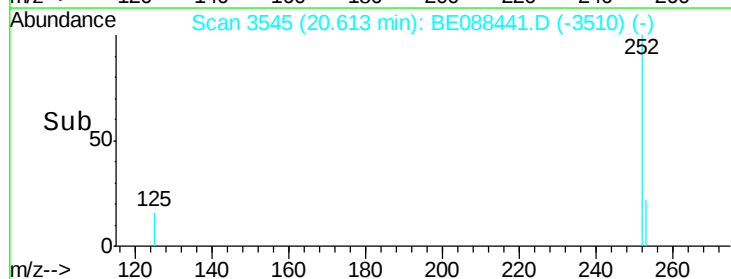
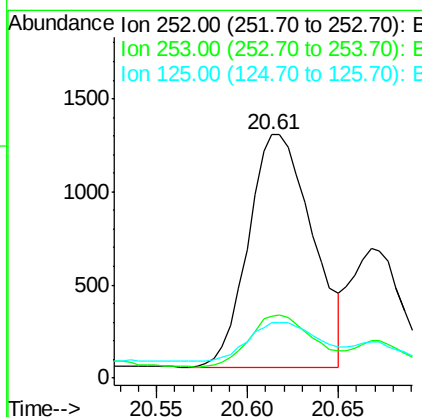
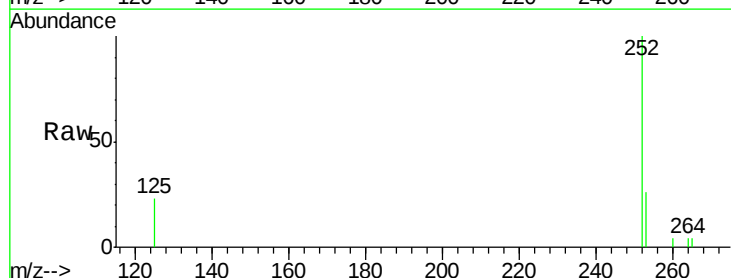
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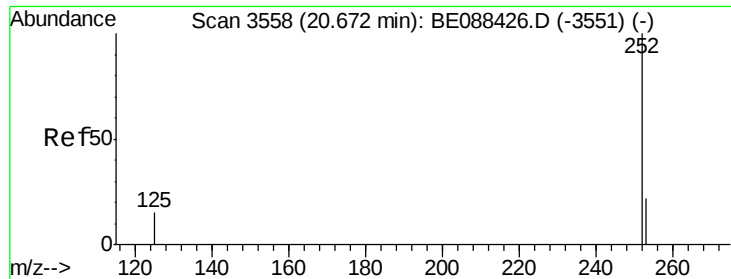
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#23
 Benzo(b)fluoranthene
 Concen: 0.33 ng
 RT: 20.61 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.8
125	22.7	12.3	18.5





#24

Benzo(k)fluoranthene

Concen: 0.13 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088441.D

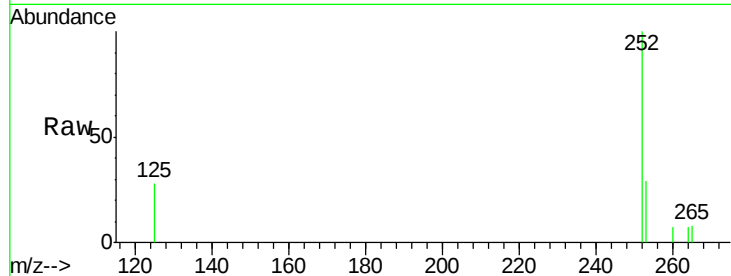
Acq: 1 Nov 2014 2:30

Instrument :

BNA_E

ClientSampleId :

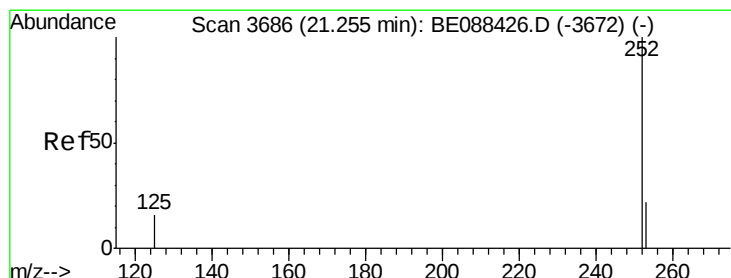
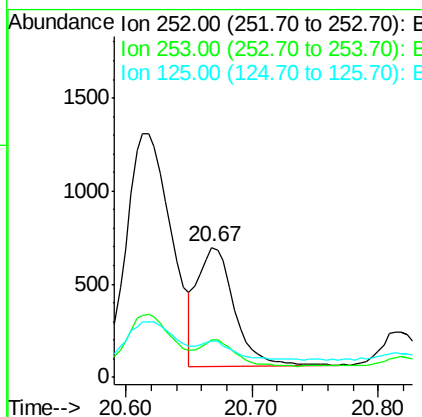
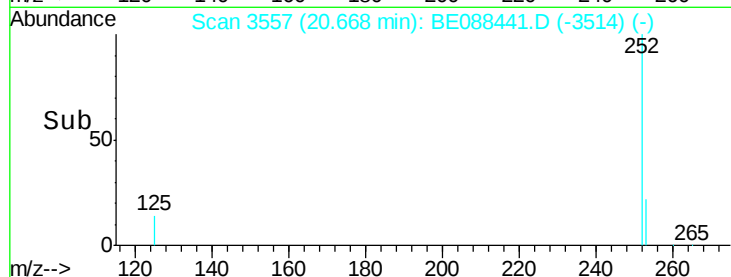
YS19-SB37-1014



Tgt Ion:	252	Resp:	1295
Ion Ratio	Lower	Upper	
252	100		
253	28.7	17.8	26.8#
125	27.8	12.2	18.4#

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#25

Benzo(a)pyrene

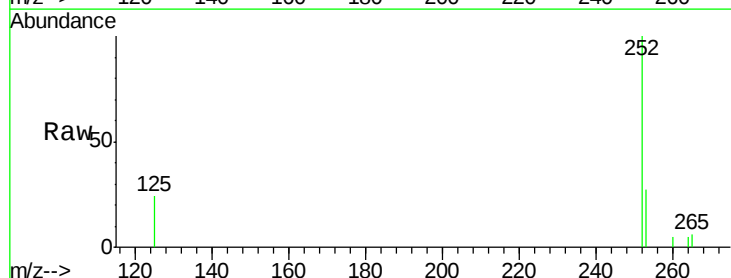
Concen: 0.23 ng

RT: 21.25 min Scan# 3685

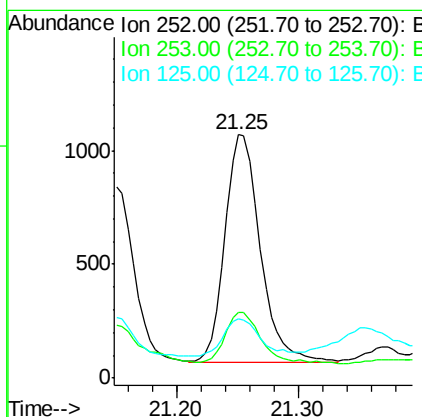
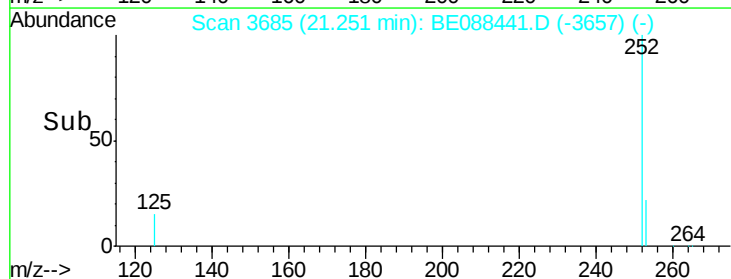
Delta R.T. -0.00 min

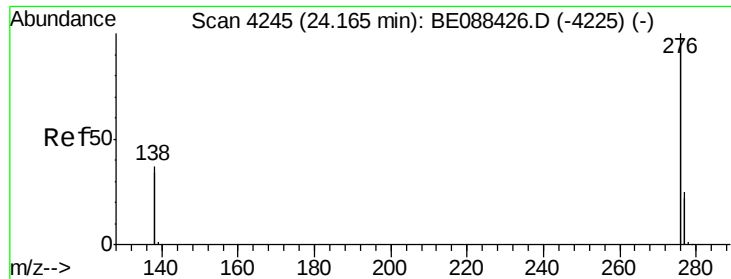
Lab File: BE088441.D

Acq: 1 Nov 2014 2:30



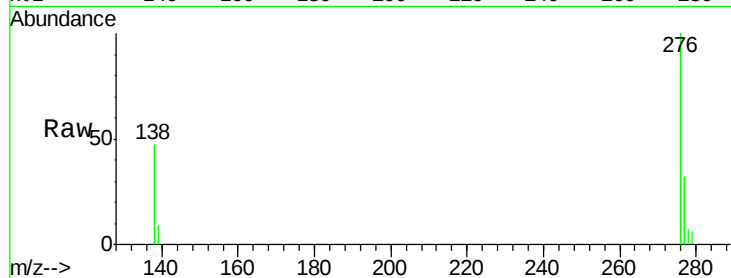
Tgt Ion:	252	Resp:	2027
Ion Ratio	Lower	Upper	
252	100		
253	27.0	18.2	27.4
125	24.2	13.7	20.5#





#27
 Benzo(g,h,i)perylene
 Concen: 0.15 ng
 RT: 24.16 min Scan# 4245
 Delta R.T. -0.00 min
 Lab File: BE088441.D
 Acq: 1 Nov 2014 2:30

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB37-1014



Tgt Ion:	276	Resp:	5662
Ion Ratio	Lower	Upper	
276	100		
277	32.1	19.8	29.6#
138	46.6	29.3	43.9#

Manual Integrations
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