

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
 Data File : BE092168.D
 Acq On : 4 Aug 2016 5:34
 Operator : UM/SJ
 Sample : H4242-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 UST-1

Manual Integrations
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 8/4/2016 6:10:28 PM

Quant Time: Aug 04 13:50:04 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 16:59:37 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	12841	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	56948	5.00	ng	-0.01
10) Acenaphthene-d10	14.83	164	29342	5.00	ng	-0.02
16) Phenanthrene-d10	17.56	188	59547	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	66395	5.00	ng	0.00
28) Perylene-d12	24.14	264	70399	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	3936	1.19	ng	0.00
5) Phenol-d6	7.35	99	3178	0.72	ng	0.00
7) Nitrobenzene-d5	9.34	82	10994	2.45	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	2301	2.42	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	23719	2.55	ng	0.00
24) Terphenyl-d14	20.19	244	30966	3.25	ng	-0.02
Target Compounds						
8) Naphthalene	11.03	128	3332	0.26	ng	99
9) 2-Methylnaphthalene	12.65	142	2552	0.33	ng	99
21) Fluoranthene	19.63	202	1476	0.02	ng	# 87

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

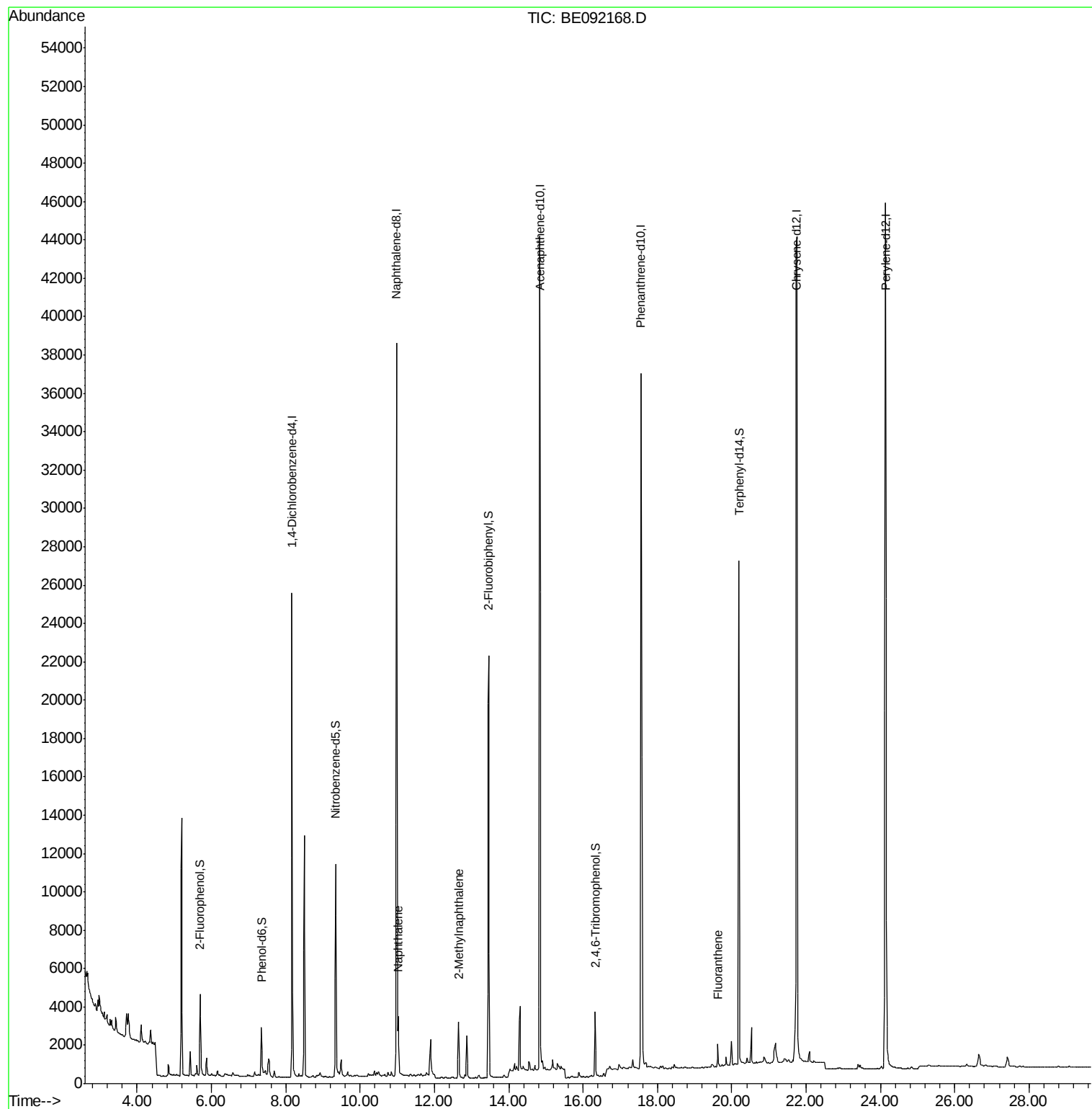
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080316\
Data File : BE092168.D
Acq On : 4 Aug 2016 5:34
Operator : UM/SJ
Sample : H4242-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

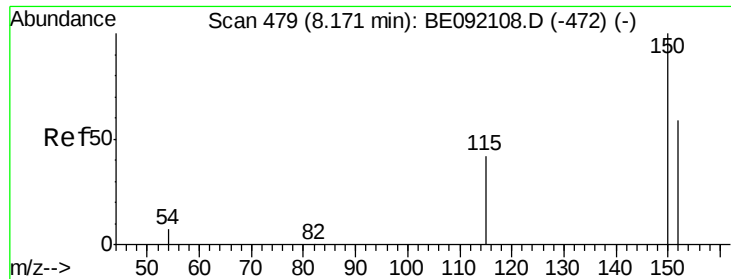
Instrument :
BNA_E
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UST-1

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8/4/2016 6:10:28 PM

Quant Time: Aug 04 13:50:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 16:59:37 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Instrument :

BNA_E

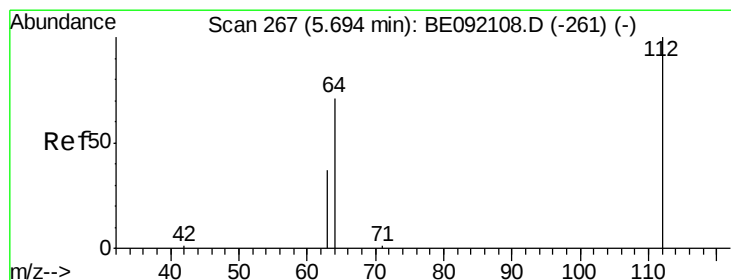
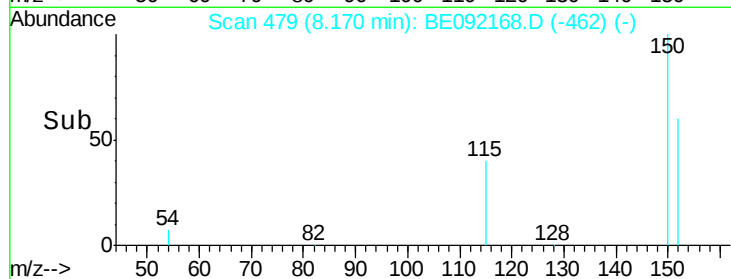
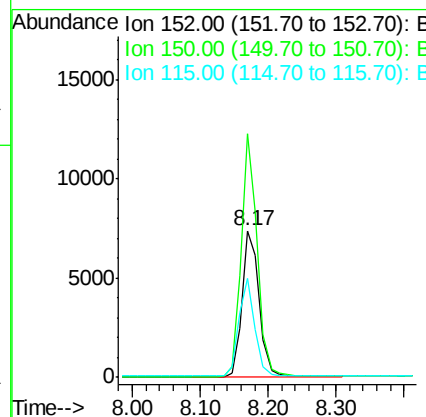
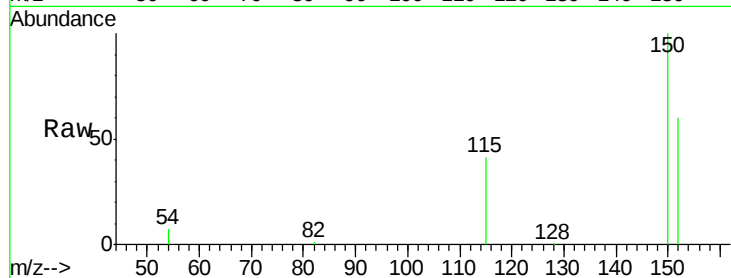
ClientSampleId :

UST-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	166.3	106.0	159.0#
115	67.6	36.9	55.3#

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#4

2-Fluorophenol

Concen: 1.19 ng

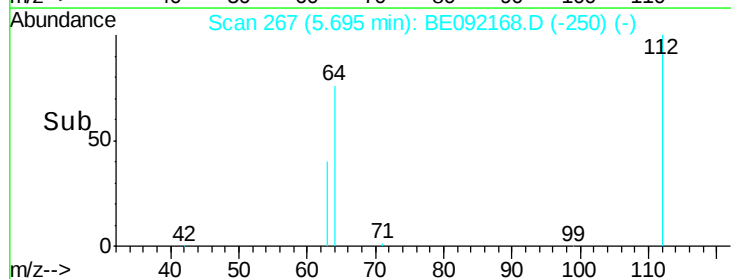
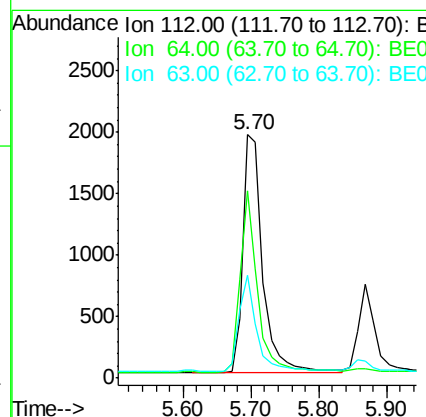
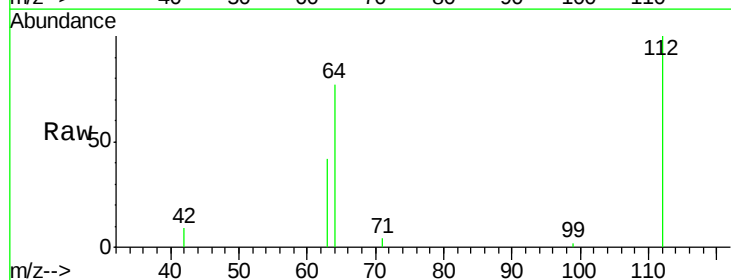
RT: 5.70 min Scan# 267

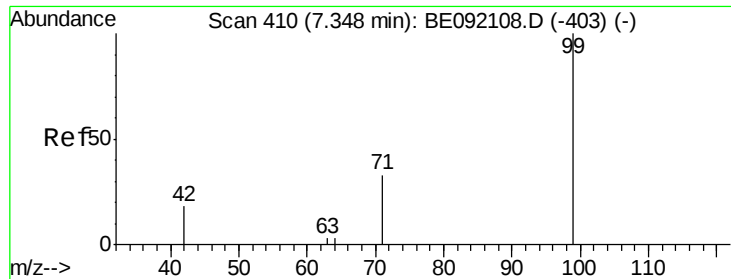
Delta R.T. 0.00 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	55.9	83.9
63	36.1	31.1	46.7





#5

Phenol-d6

Concen: 0.72 ng

RT: 7.35 min Scan# 410

Delta R.T. 0.00 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Instrument :

BNA_E

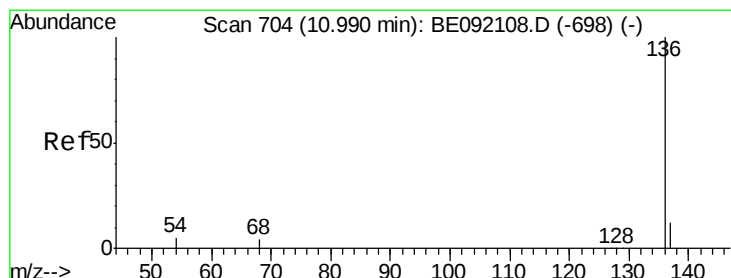
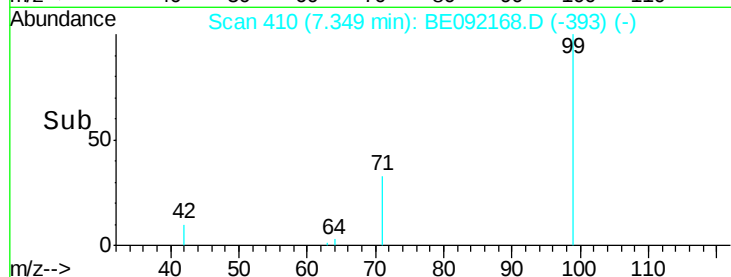
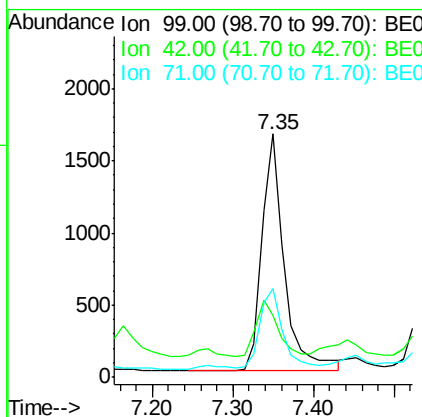
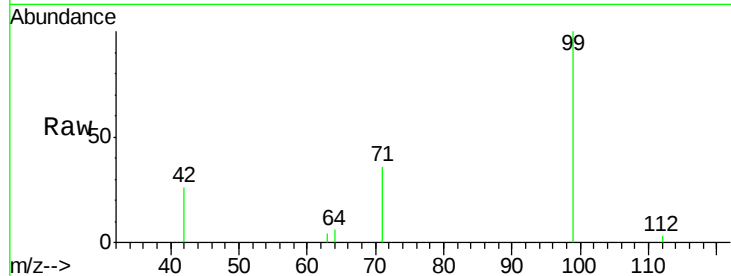
ClientSampled :

UST-1

Tgt Ion:	99	Resp:	3178
Ion	Ratio	Lower	Upper
99	100		
42	23.2	22.4	33.6
71	33.8	28.9	43.3

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#6

Naphthalene-d8

Concen: 5.00 ng

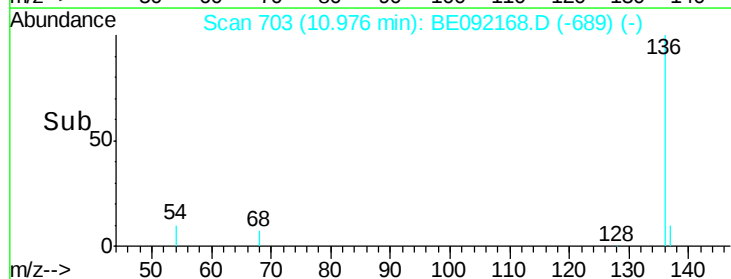
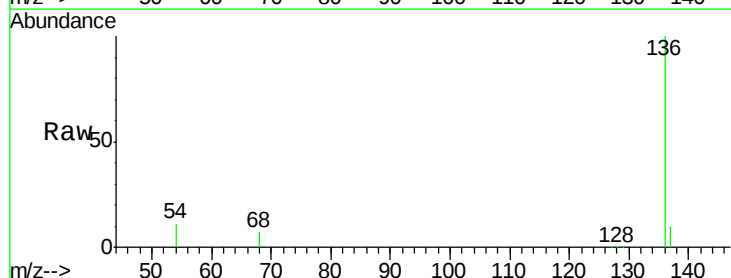
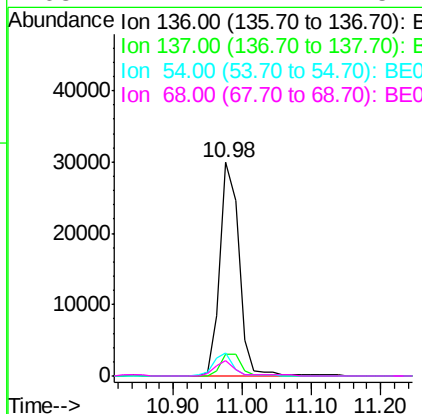
RT: 10.98 min Scan# 703

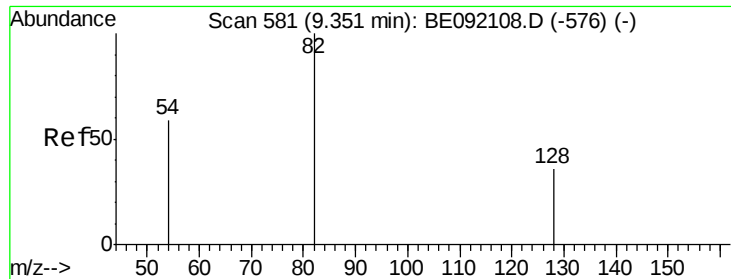
Delta R.T. -0.01 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Tgt Ion:	136	Resp:	56948
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	10.6	2.7	4.1#
68	7.4	2.2	3.4#





#7

Nitrobenzene-d5

Concen: 2.45 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Instrument :

BNA_E

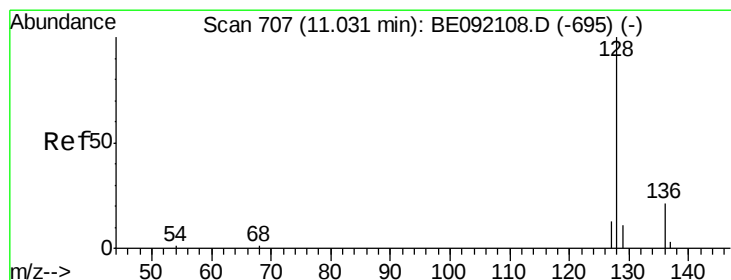
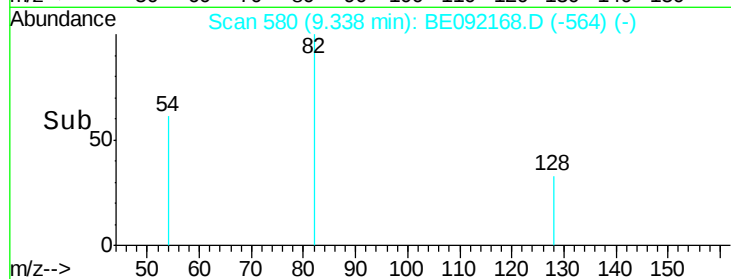
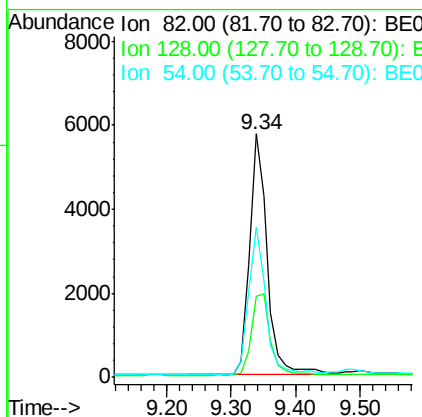
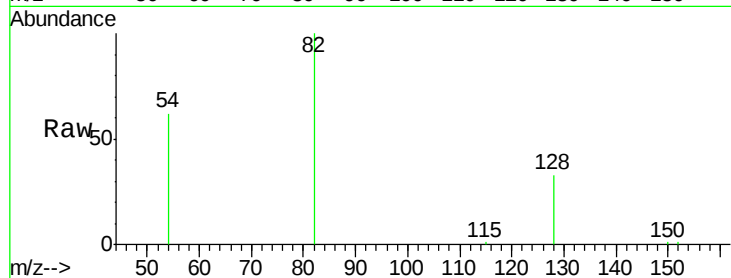
ClientSampleId :

UST-1

Tgt Ion:	82	Resp:	10994
Ion Ratio	Lower	Upper	
82	100		
128	33.4	33.0	49.4
54	61.6	42.6	63.8

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#8

Naphthalene

Concen: 0.26 ng

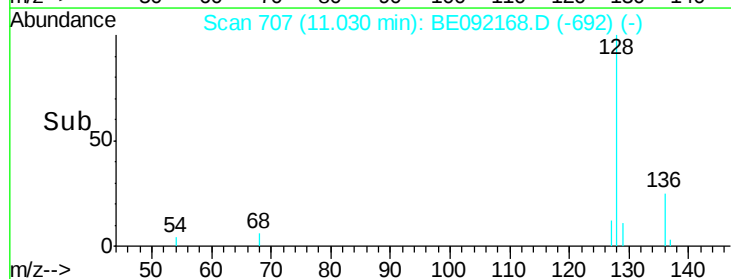
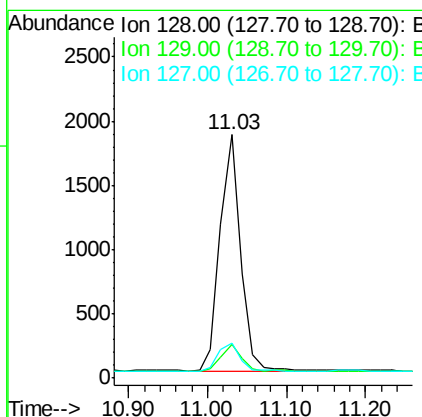
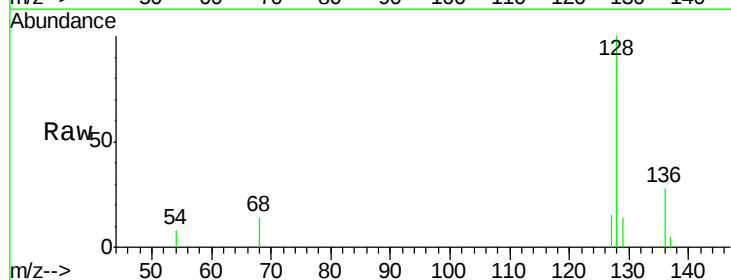
RT: 11.03 min Scan# 707

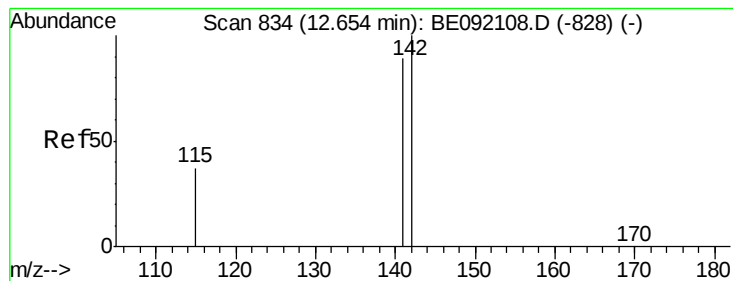
Delta R.T. 0.00 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Tgt Ion:	128	Resp:	3332
Ion Ratio	Lower	Upper	
128	100		
129	13.8	11.1	16.7
127	14.6	11.3	16.9





#9

2-Methylnaphthalene

Concen: 0.33 ng

RT: 12.65 min Scan# 834

Delta R.T. 0.00 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Instrument :

BNA_E

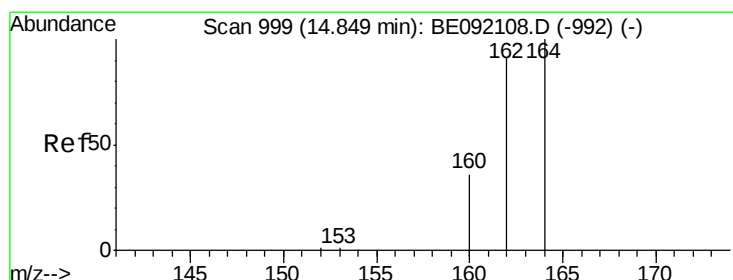
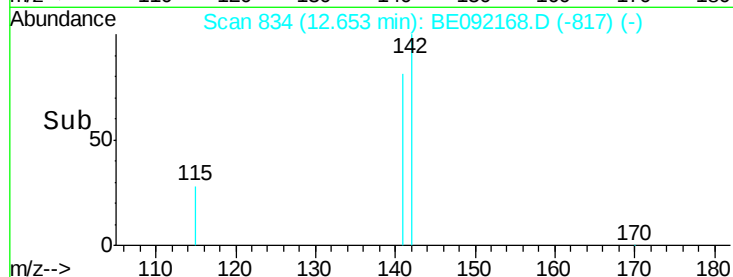
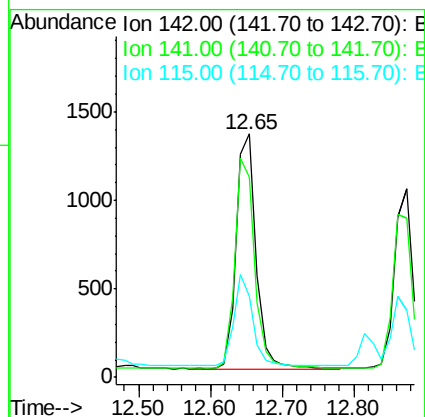
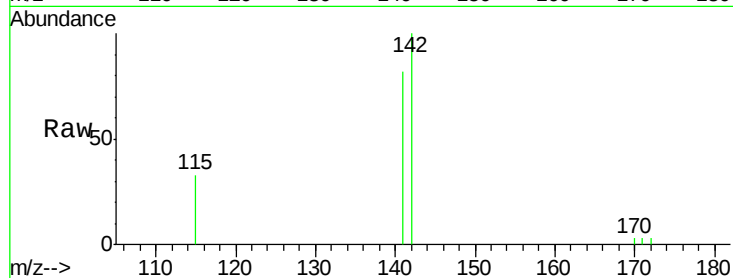
ClientSampleId :

UST-1

Tgt Ion:	142	Resp:	2552
Ion Ratio	Lower	Upper	
142	100		
141	82.1	65.1	97.7
115	33.2	27.0	40.4

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#10

Acenaphthene-d10

Concen: 5.00 ng

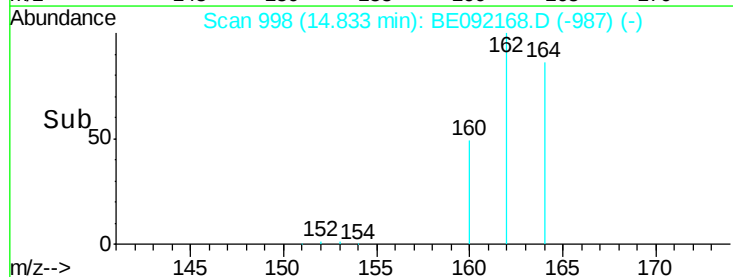
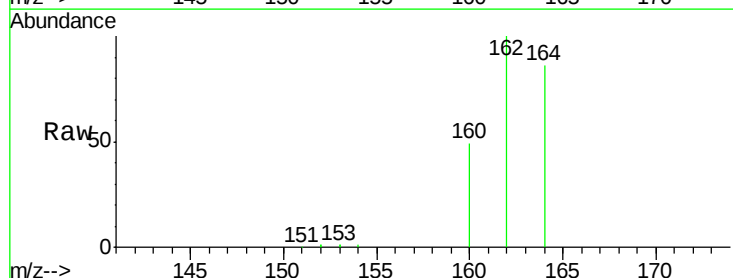
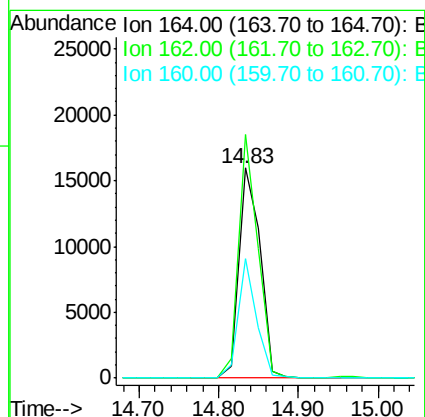
RT: 14.83 min Scan# 998

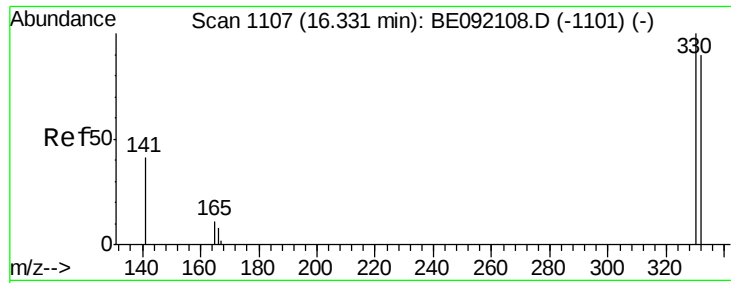
Delta R.T. -0.02 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Tgt Ion:	164	Resp:	29342
Ion Ratio	Lower	Upper	
164	100		
162	115.8	69.5	104.3#
160	56.6	27.6	41.4#





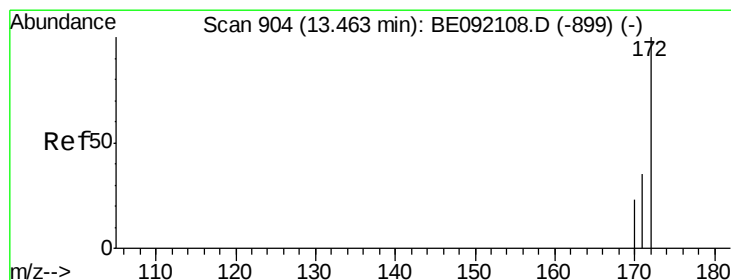
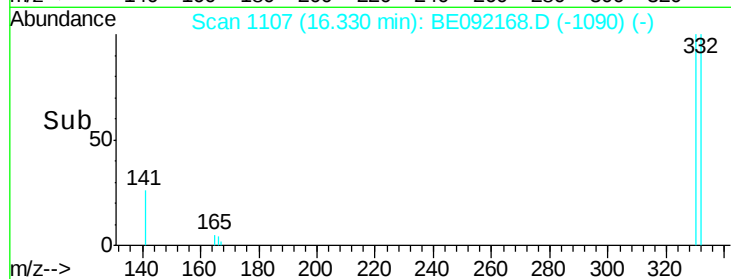
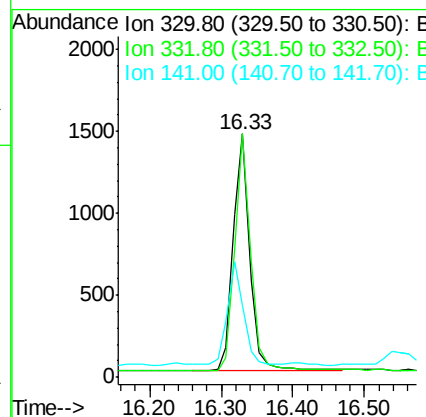
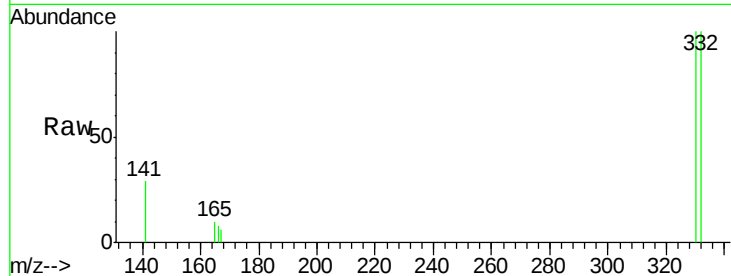
#11
 2,4,6-Tribromophenol
 Concen: 2.42 ng
 RT: 16.33 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE092168.D
 Acq: 4 Aug 2016 5:34

Instrument :
 BNA_E
 ClientSampleId :
 UST-1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	74.2	111.4
141	43.1	139.8	209.8#

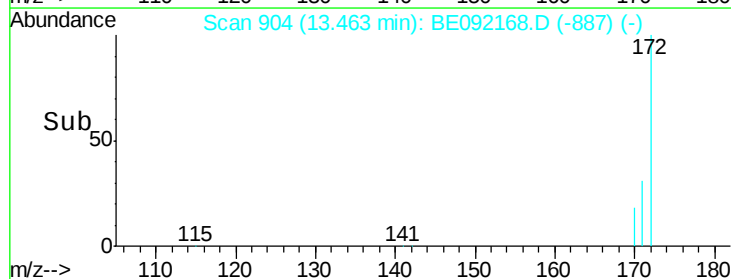
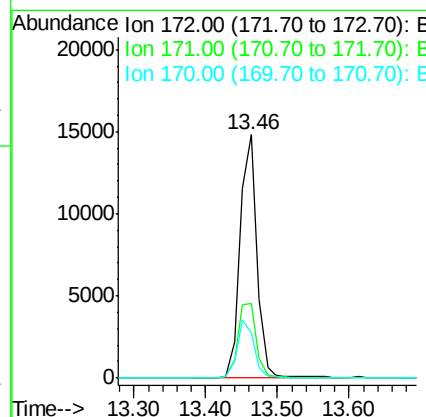
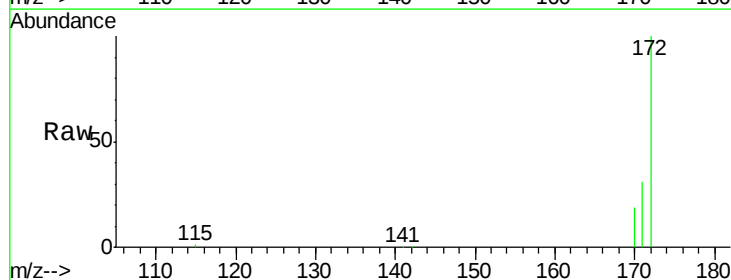
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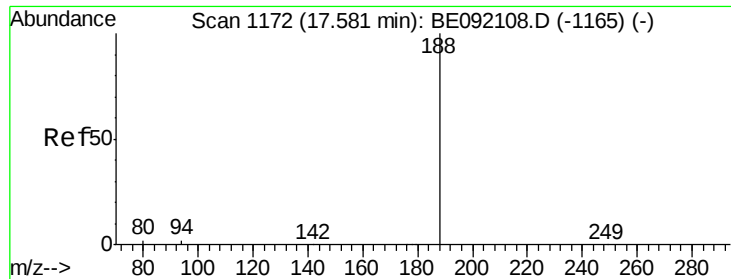
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#12
 2-Fluorobiphenyl
 Concen: 2.55 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092168.D
 Acq: 4 Aug 2016 5:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.7	30.3	45.5
170	18.5	21.6	32.4#





#16

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.56 min Scan# 1171

Delta R.T. -0.02 min

Lab File: BE092168.D

Acq: 4 Aug 2016 5:34

Instrument :

BNA_E

ClientSampleId :

UST-1

Tgt Ion:188 Resp: 59547
Ion Ratio Lower Upper

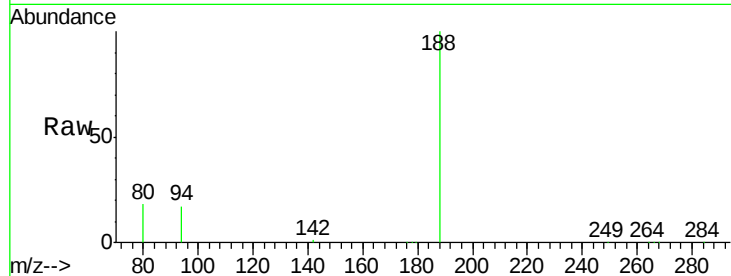
188 100

94 17.4 3.9 5.9#

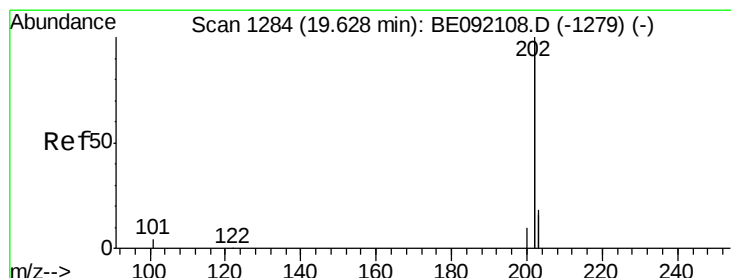
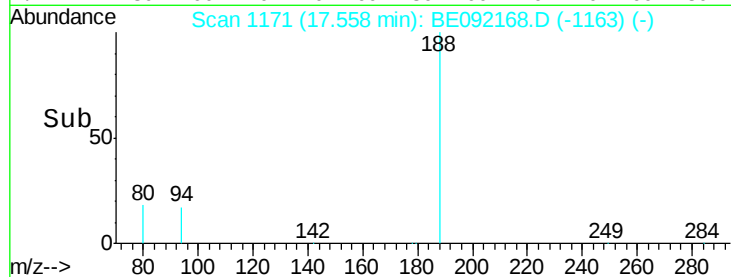
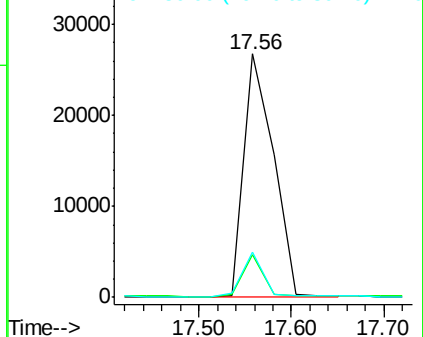
80 18.5 3.4 5.0#

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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



#21

Fluoranthene

Concen: 0.02 ng

RT: 19.63 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BE092168.D

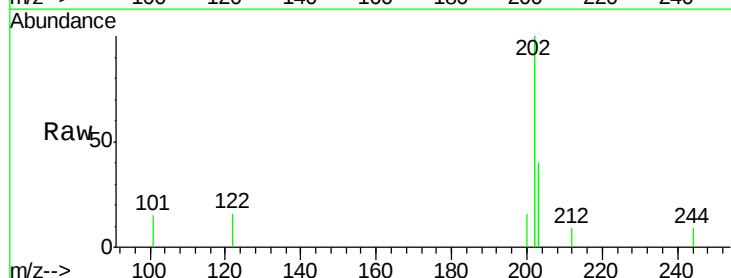
Acq: 4 Aug 2016 5:34

Tgt Ion:202 Resp: 1476
Ion Ratio Lower Upper

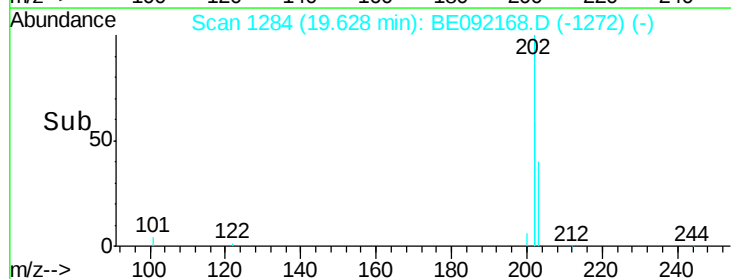
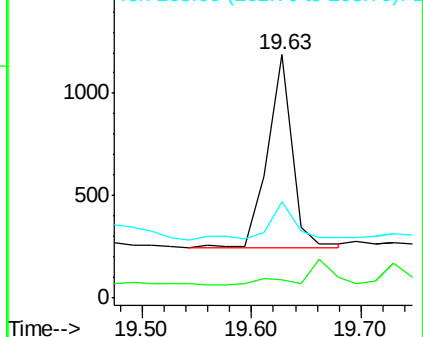
202 100

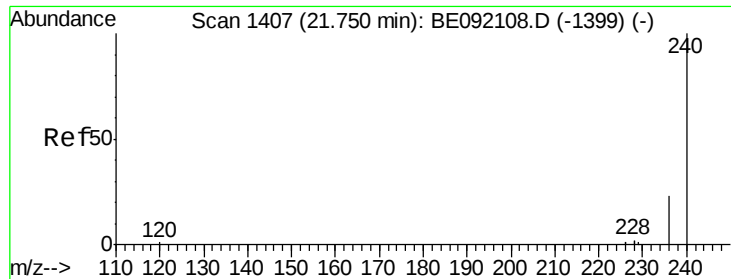
101 0.0 2.2 3.2#

203 21.9 13.0 19.4#



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





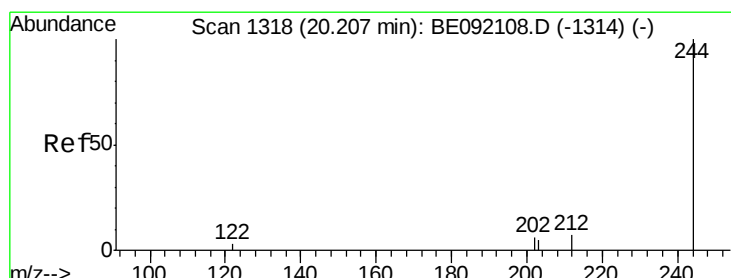
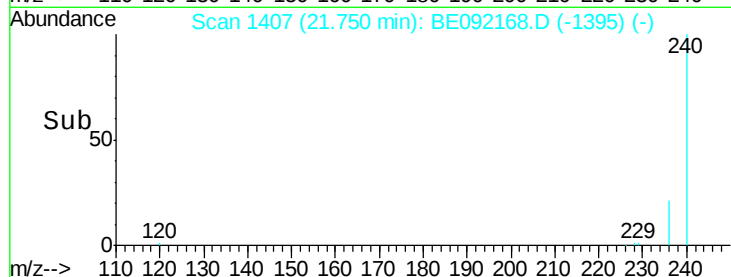
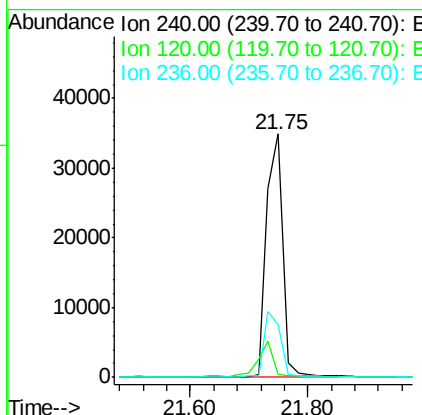
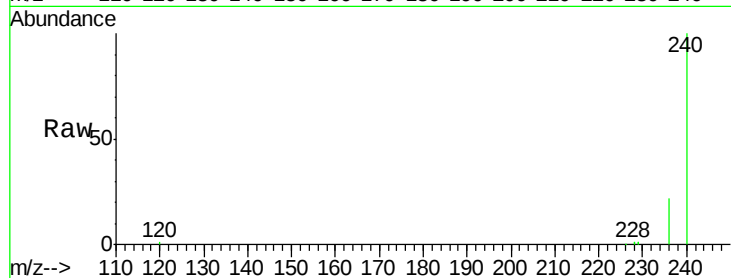
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1407
Delta R.T. -0.00 min
Lab File: BE092168.D
Acq: 4 Aug 2016 5:34

Instrument :
BNA_E
ClientSampleId :
UST-1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	1.3	0.6	1.0#
236	21.6	18.2	27.4

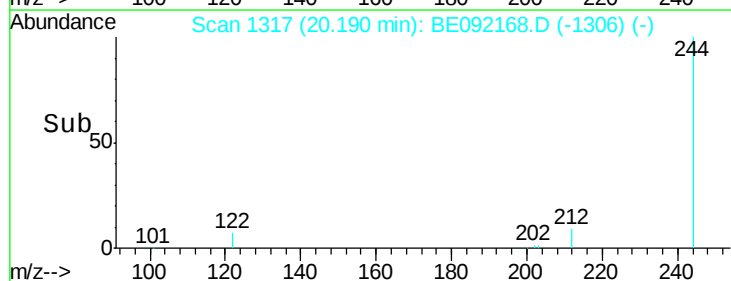
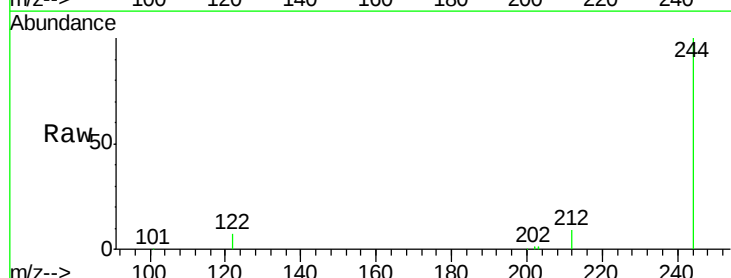
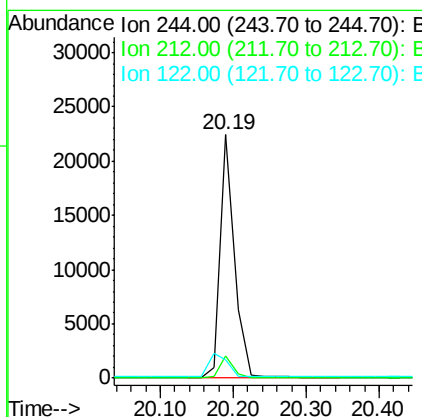
Manual Integrations
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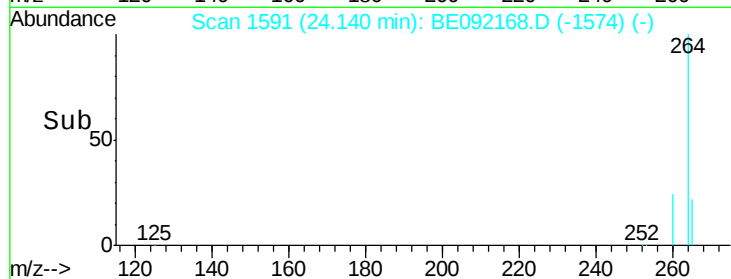
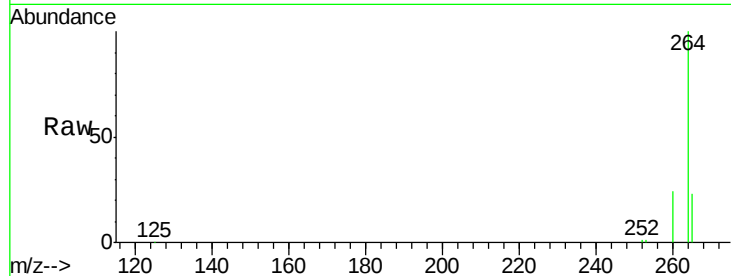
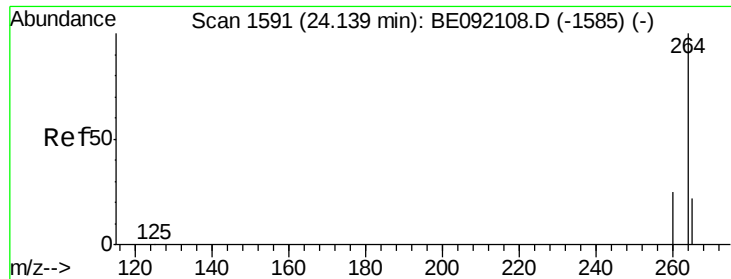
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#24
Terphenyl-d14
Concen: 3.25 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092168.D
Acq: 4 Aug 2016 5:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	9.1	13.7#
122	7.4	11.0	16.4#





#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092168.D
Acq: 4 Aug 2016 5:34

Instrument :
BNA_E
ClientSampleId :
UST-1

Tgt Ion:	264	Resp:	70399
Ion Ratio	Lower	Upper	
264	100		
260	24.1	20.8	31.2
265	23.1	16.6	25.0

Manual Integrations
APPROVED

sohil
8/4/2016 6:10:28 PM

