

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
 Data File : BE091367.D
 Acq On : 15 Jan 2016 1:26
 Operator : UM/IZ
 Sample : H1123-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001

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Quant Time: Jan 15 15:17:35 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 23:29:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	21044	5.00	ng	0.00
4) Naphthalene-d8	9.55	136	84448	5.00	ng	0.00
8) Acenaphthene-d10	13.36	164	44841	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	129173	5.00	ng	0.00
18) Chrysene-d12	20.22	240	128344	5.00	ng	0.00
24) Perylene-d12	22.10	264	110773	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.92	112	17467	5.70	ng	-0.03
3) Phenol-d6	6.55	99	31564	5.73	ng	-0.02
5) Nitrobenzene-d5	8.17	82	21352	4.36	ng	0.00
9) 2,4,6-Tribromophenol	14.89	330	5418	3.74	ng	0.00
10) 2-Fluorobiphenyl	12.01	172	46902	4.84	ng	0.00
20) Terphenyl-d14	18.62	244	87605	4.79	ng	0.00
Target Compounds						Qvalue
15) Phenanthrene	16.12	178	3033	0.09	ng	# 93
16) Anthracene	16.21	178	694	0.26	ng	# 86
17) Fluoranthene	18.10	202	3423	0.37	ng	99
19) Pyrene	18.48	202	2758	0.47	ng	99
21) Benzo(a)anthracene	20.19	228	1892	0.45	ng	94
22) Chrysene	20.25	228	3076	0.10	ng	94
23) Indeno(1,2,3-cd)pyrene	23.71	276	1522m	0.39	ng	
25) Benzo(b)fluoranthene	21.55	252	1659	0.34	ng	# 84
26) Benzo(k)fluoranthene	21.58	252	1795	0.32	ng	# 85
27) Benzo(a)pyrene	22.01	252	1714	0.32	ng	# 84
28) Dibenzo(a,h)anthracene	23.65	278	853	0.47	ng	# 70
29) Benzo(g,h,i)perylene	24.25	276	1474	0.39	ng	# 86

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

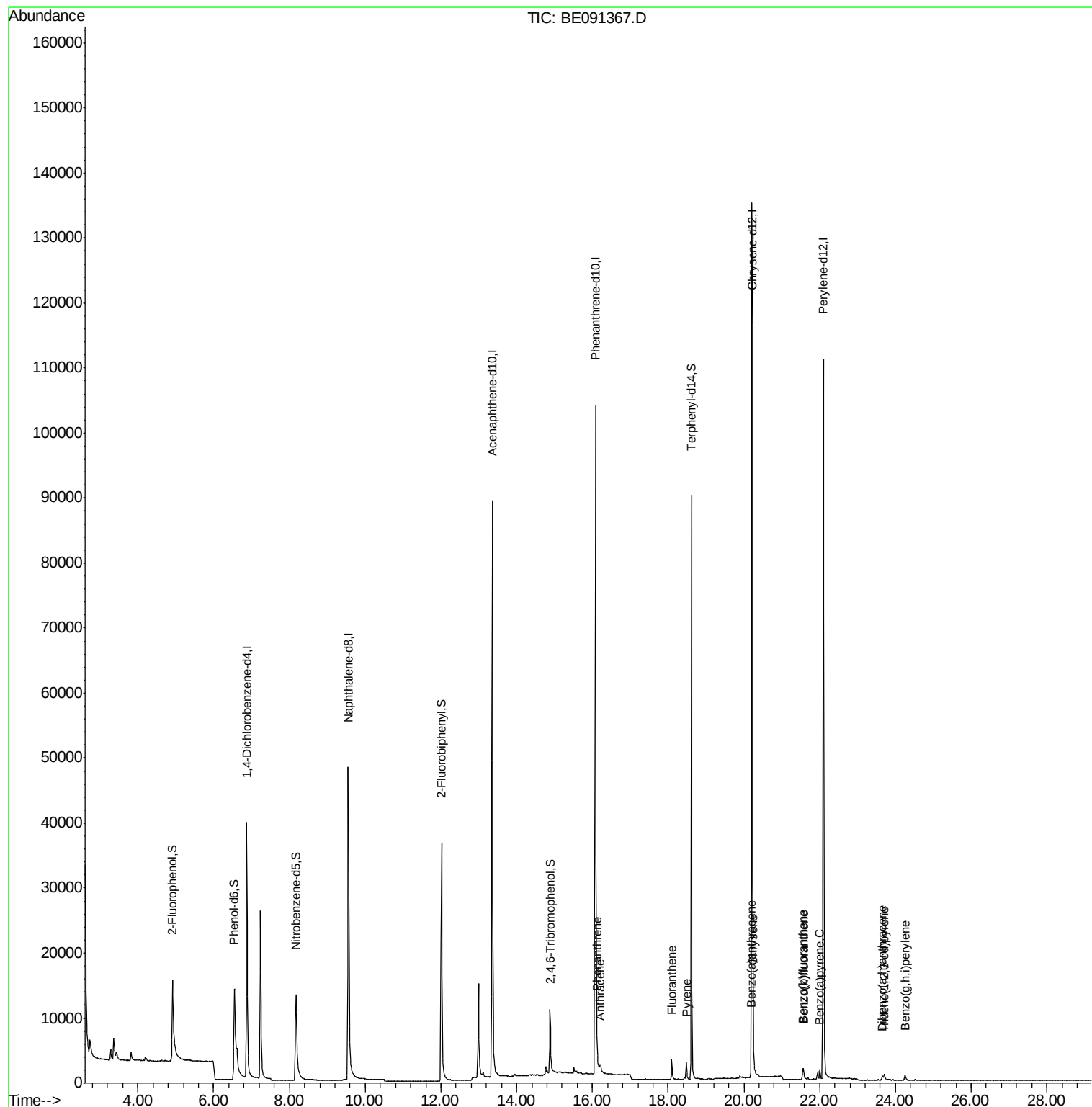
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE011416\
Data File : BE091367.D
Acq On : 15 Jan 2016 1:26
Operator : UM/IZ
Sample : H1123-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

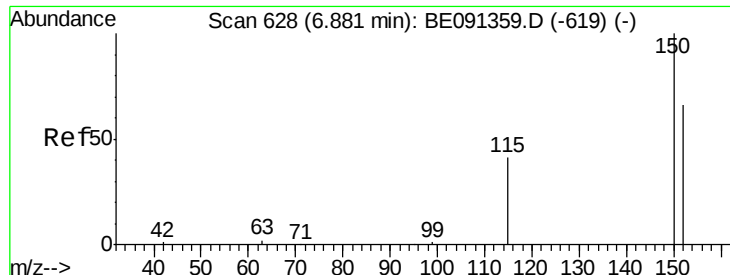
Instrument :
BNA_E
ClientSampleId :
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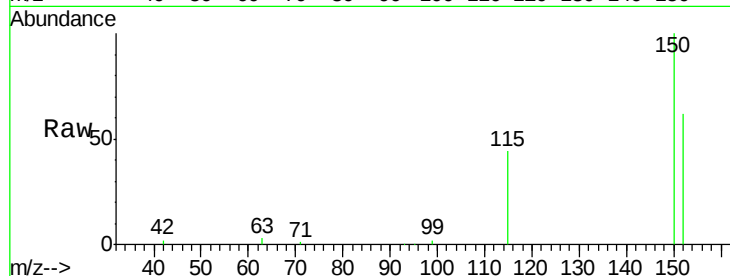
Quant Time: Jan 15 15:17:35 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE011416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 23:29:02 2016
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 6.87 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26

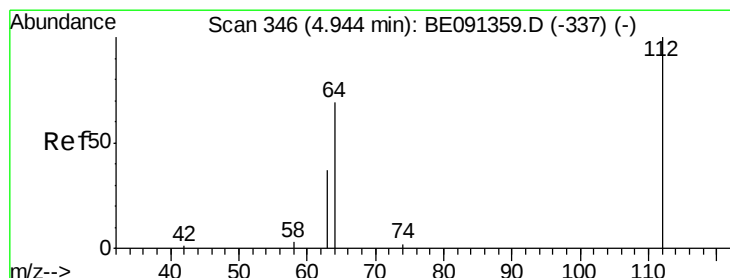
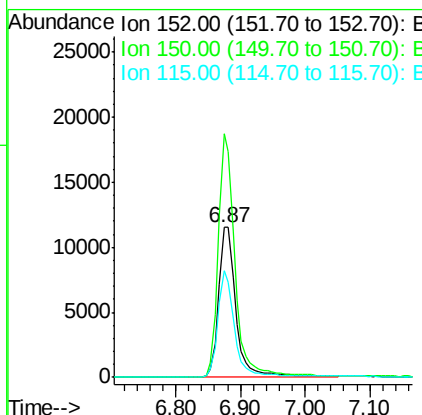
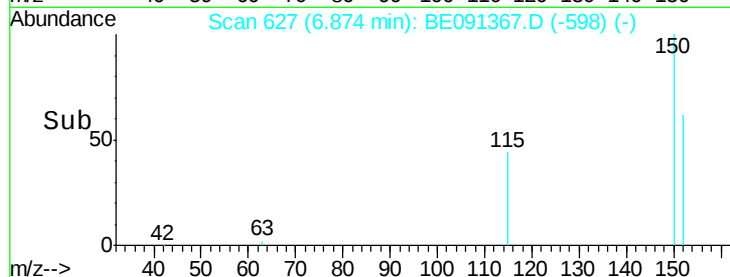
Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001



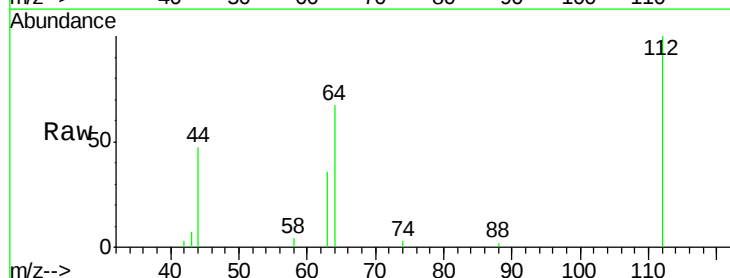
Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.2	121.6	182.4
115	71.0	50.6	75.8

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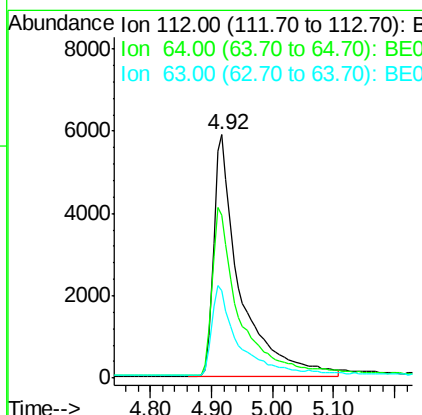
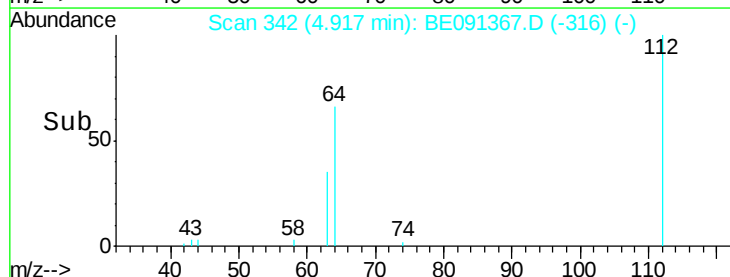
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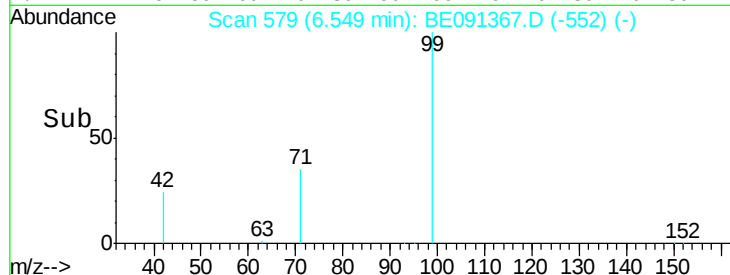
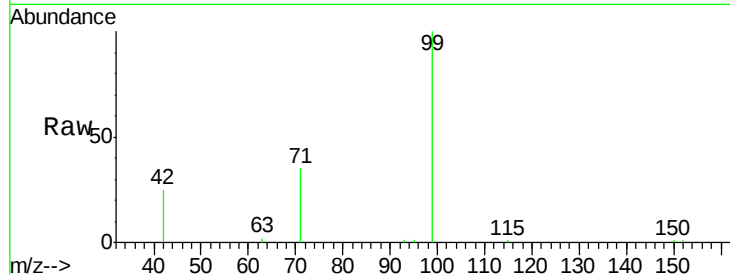
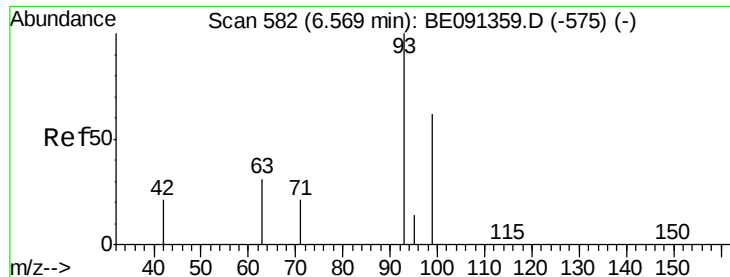


#2
 2-Fluorophenol
 Concen: 5.70 ng
 RT: 4.92 min Scan# 342
 Delta R.T. -0.03 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26



Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	57.4	86.0
63	38.1	32.2	48.2





#3

Phenol-d6

Concen: 5.73 ng

RT: 6.55 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	31564		
42	19.7	22.9	34.3#	
71	36.5	35.4	53.2	

Instrument :

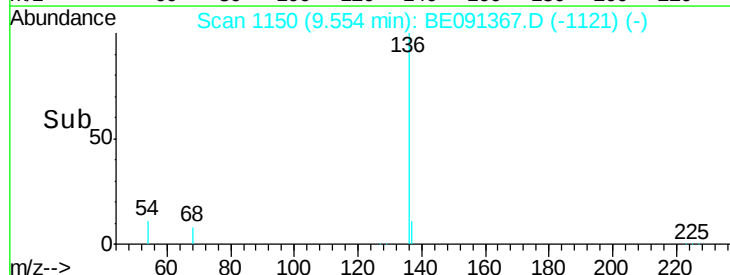
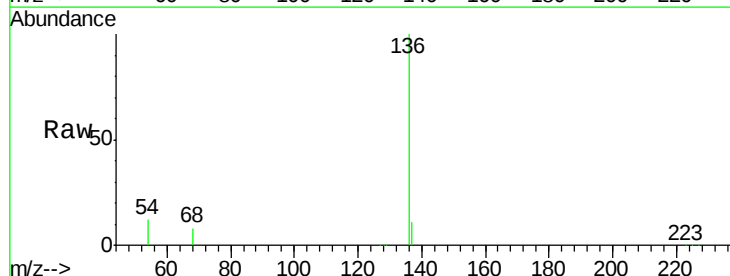
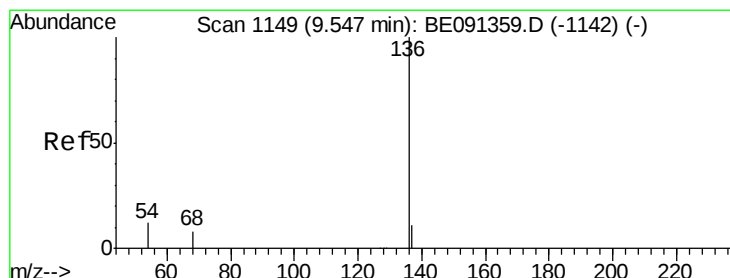
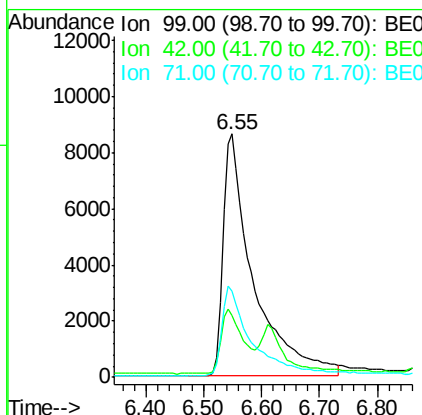
BNA_E

ClientSampleId :

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#4

Naphthalene-d8

Concen: 5.00 ng

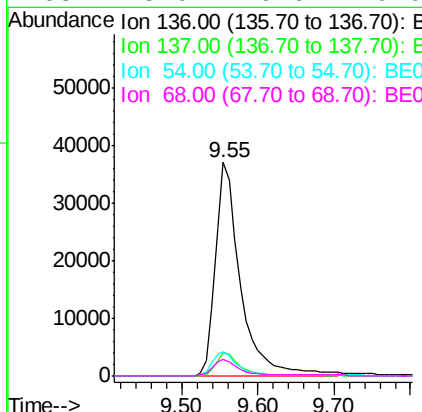
RT: 9.55 min Scan# 1150

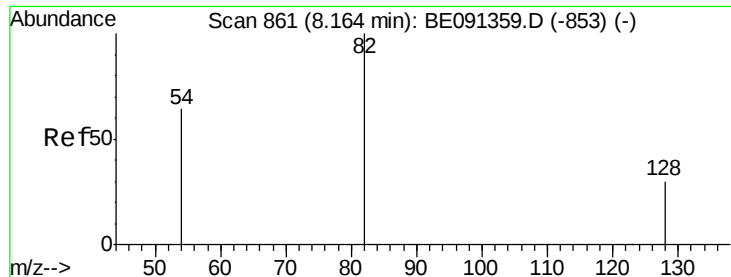
Delta R.T. 0.01 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	84448		
137	10.8	8.7	13.1	
54	11.6	9.8	14.6	
68	8.0	6.6	10.0	





#5

Nitrobenzene-d5

Concen: 4.36 ng

RT: 8.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: BE091367.D

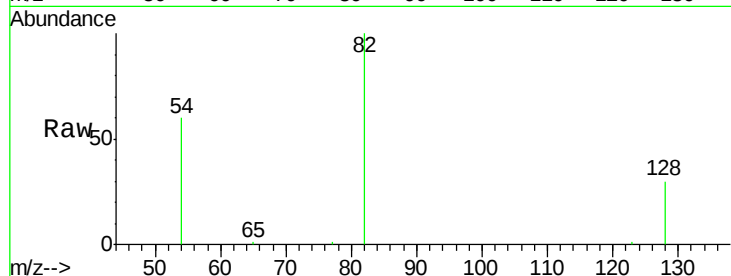
Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

ClientSampleId :

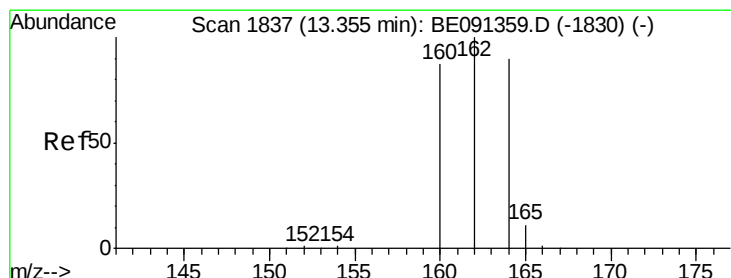
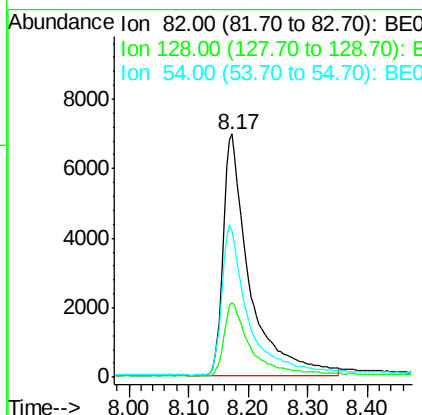
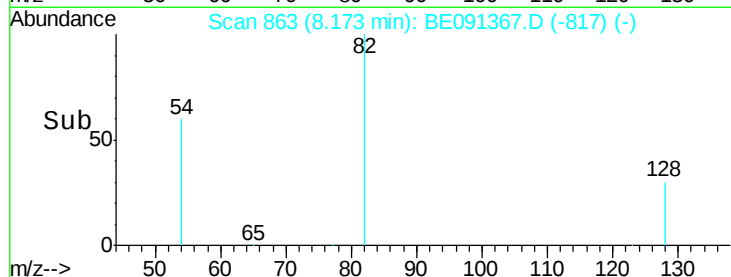
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	30.4	24.6	36.8
54	60.2	52.7	79.1

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#8

Acenaphthene-d10

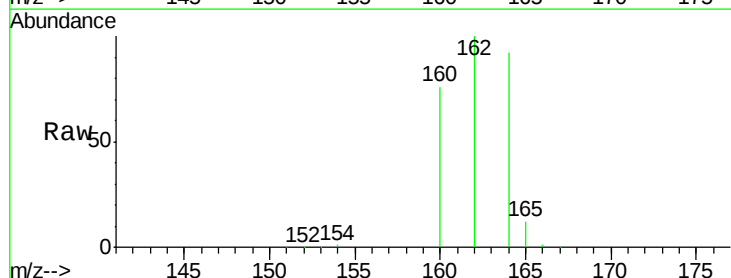
Concen: 5.00 ng

RT: 13.36 min Scan# 1838

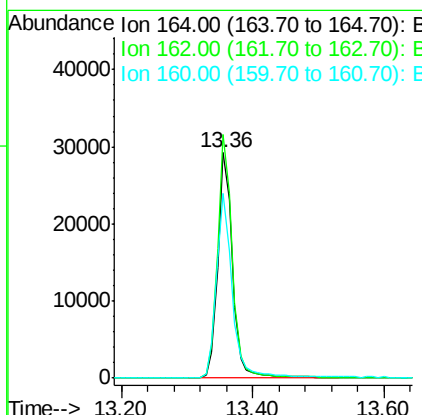
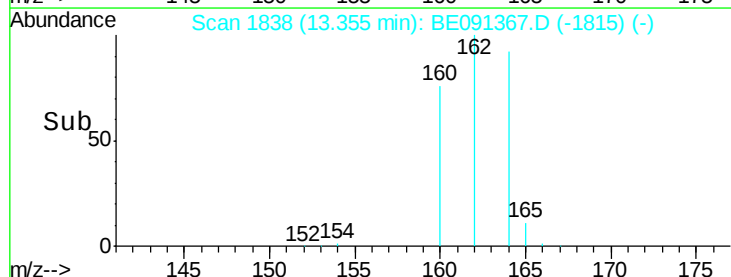
Delta R.T. 0.00 min

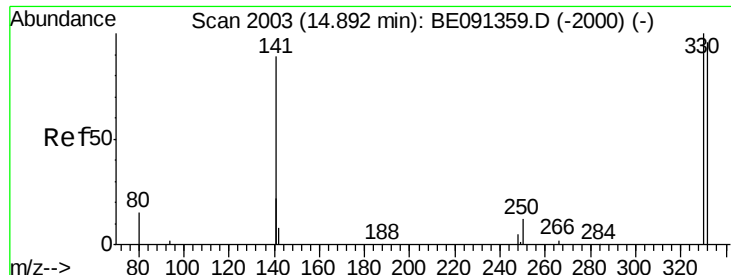
Lab File: BE091367.D

Acq: 15 Jan 2016 1:26



Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.2	88.5	132.7
160	82.2	76.7	115.1





#9

2,4,6-Tribromophenol

Concen: 3.74 ng

RT: 14.89 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE091367.D

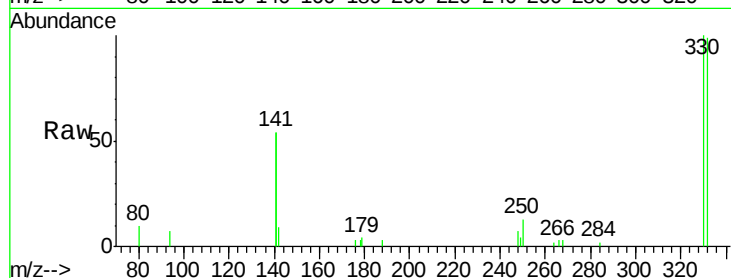
Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:330 Resp: 5418

Ion Ratio Lower Upper

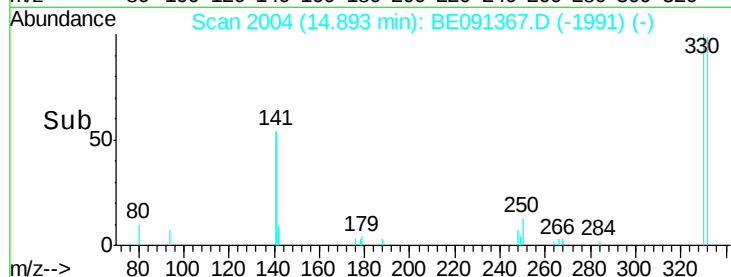
330 100

332 94.7 78.6 118.0

141 178.9 147.8 221.8

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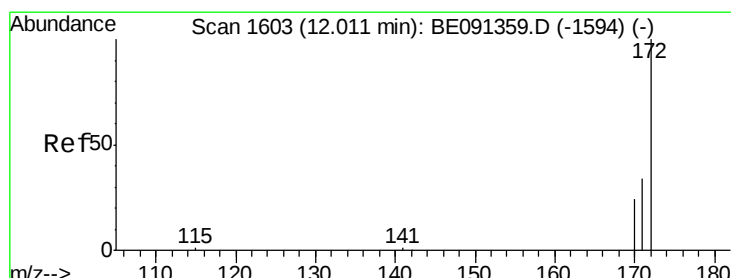
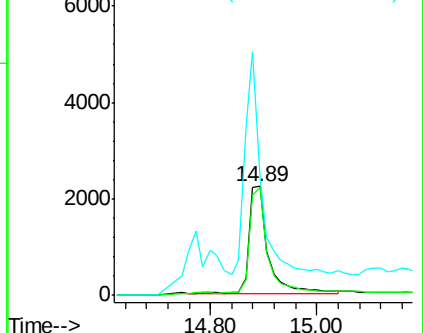
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#10

2-Fluorobiphenyl

Concen: 4.84 ng

RT: 12.01 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

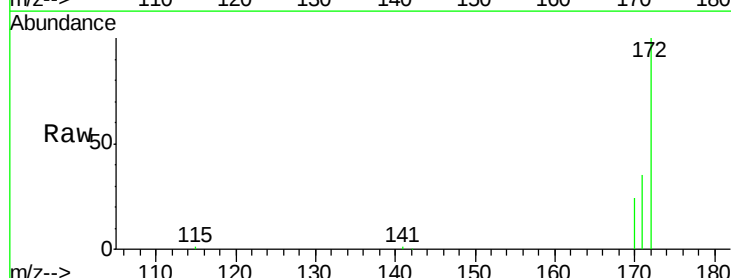
Tgt Ion:172 Resp: 46902

Ion Ratio Lower Upper

172 100

171 34.7 27.3 40.9

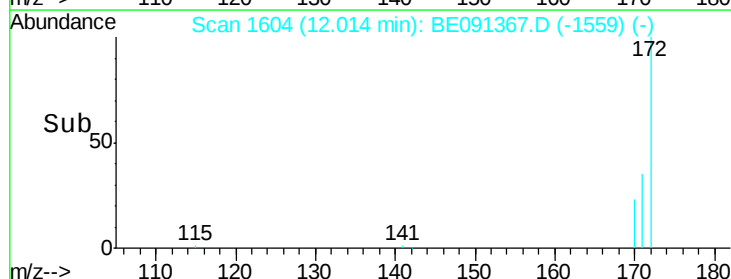
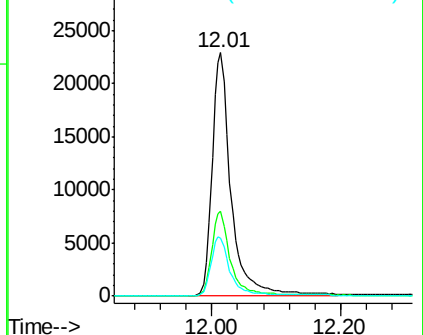
170 23.7 19.8 29.6

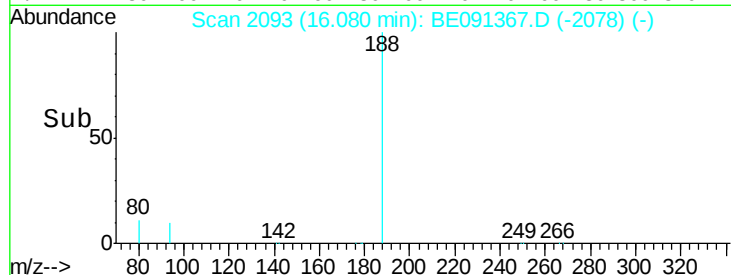
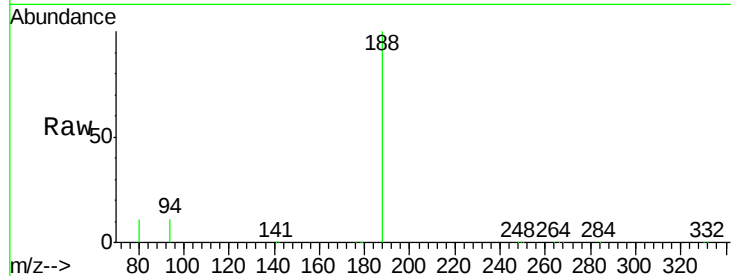
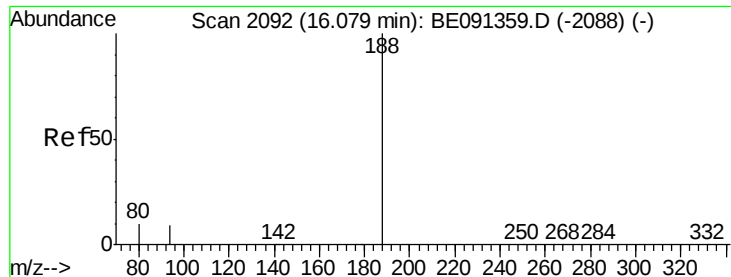


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion:	188	Resp:	129173
Ion Ratio	Lower	Upper	
188	100		
94	10.7	7.5	11.3
80	11.5	8.2	12.2

Instrument :

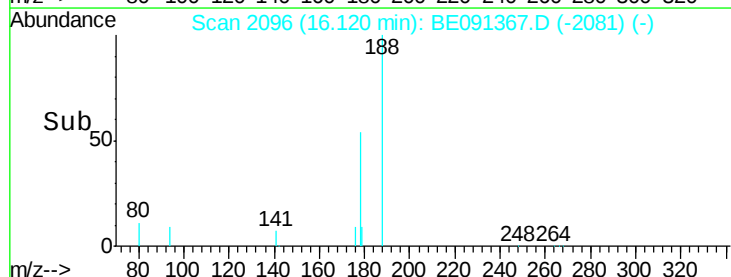
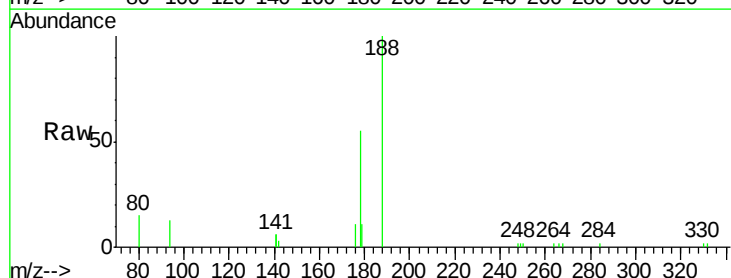
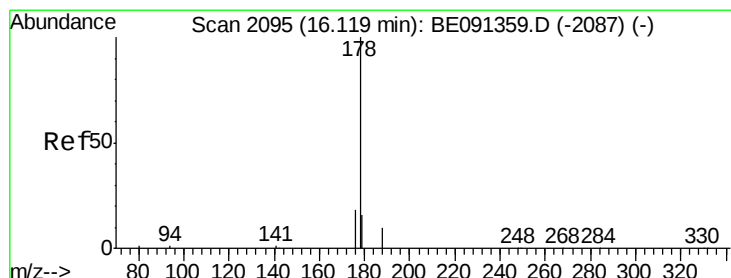
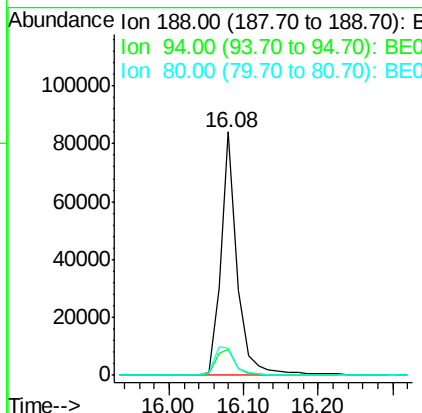
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#15

Phenanthrene

Concen: 0.09 ng

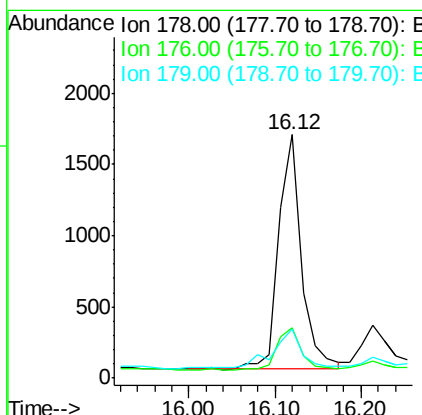
RT: 16.12 min Scan# 2096

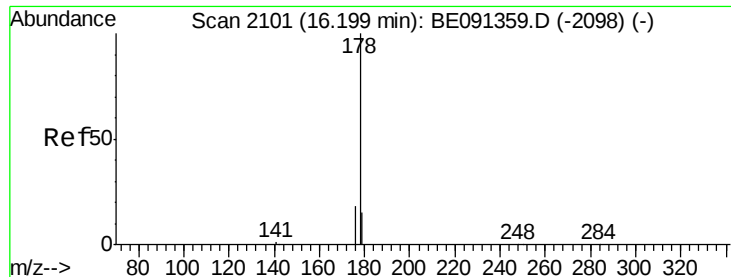
Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion:	178	Resp:	3033
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	22.4	12.8	19.2#





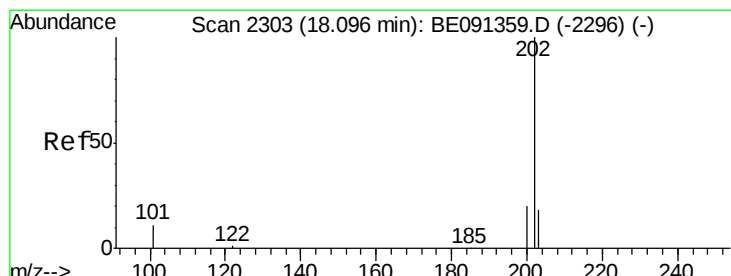
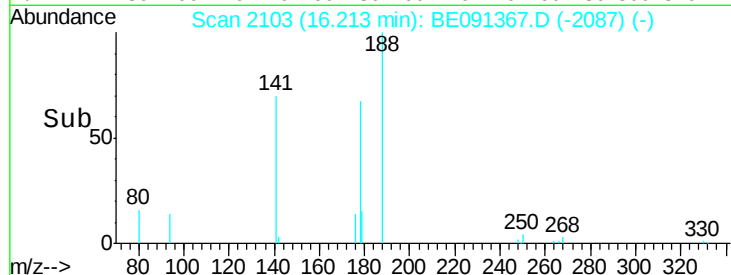
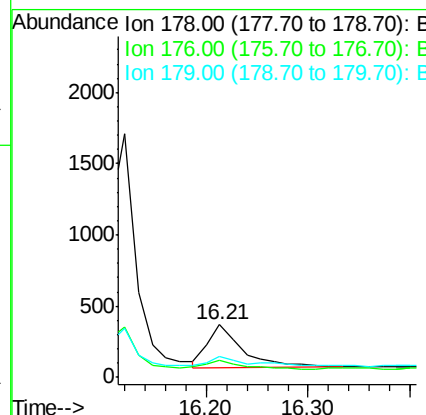
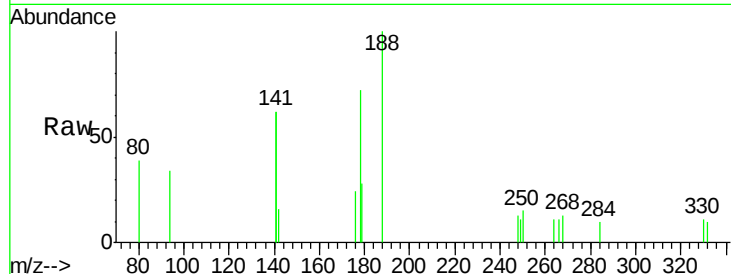
#16
 Anthracene
 Concen: 0.26 ng
 RT: 16.21 min Scan# 2103
 Delta R.T. 0.01 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.0	22.6
179	25.8	12.4	18.6

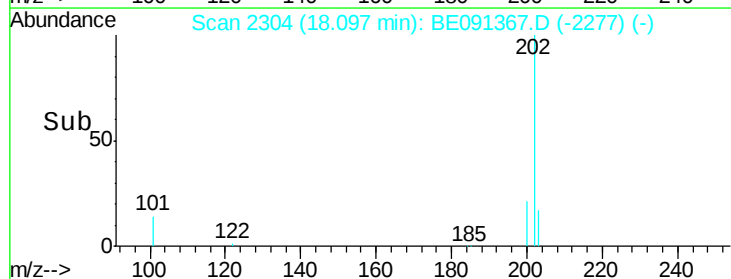
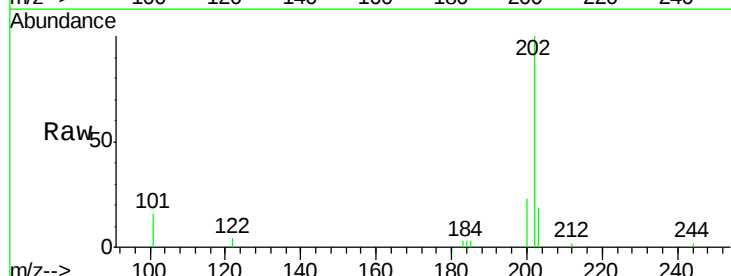
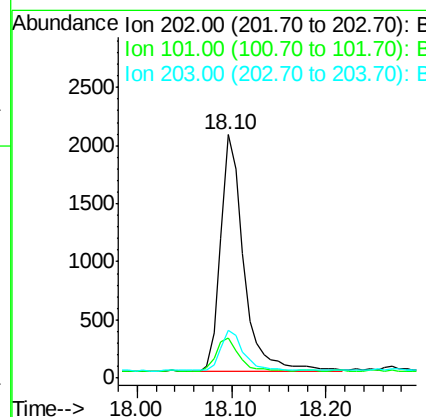
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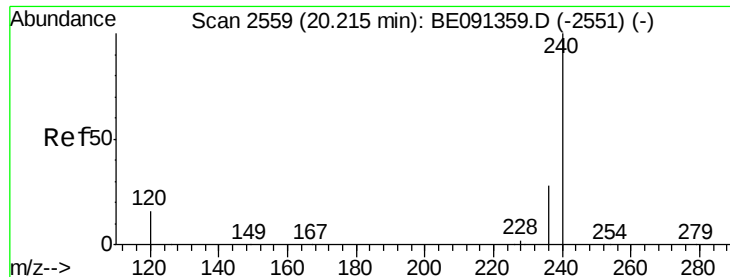
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#17
 Fluoranthene
 Concen: 0.37 ng
 RT: 18.10 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.4
203	16.7	13.9	20.9





#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.22 min Scan# 2560

Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

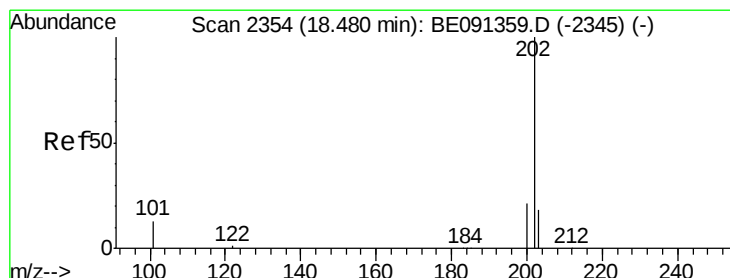
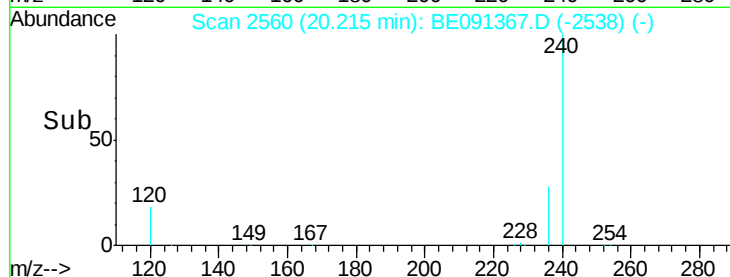
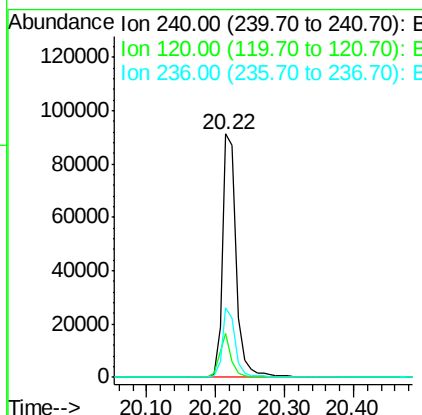
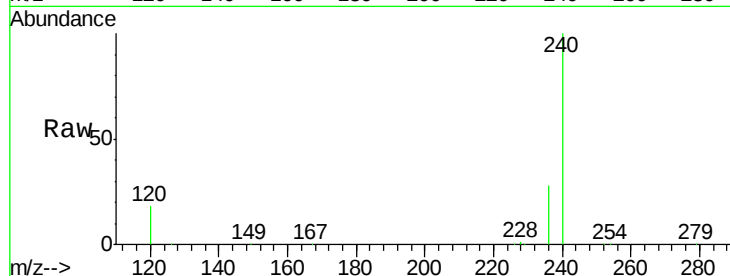
ClientSampleId :

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Tgt Ion:	240	Resp:	128344
Ion Ratio	Lower	Upper	
240	100		
120	17.9	12.6	19.0
236	28.3	22.7	34.1

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#19

Pyrene

Concen: 0.47 ng

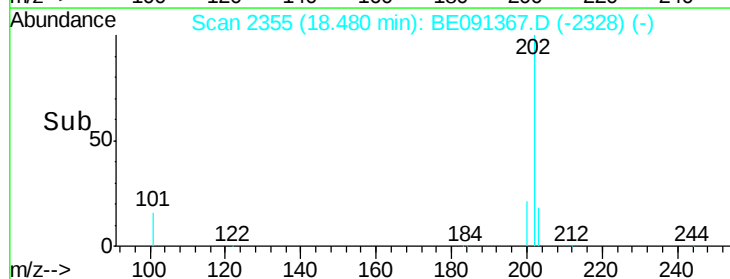
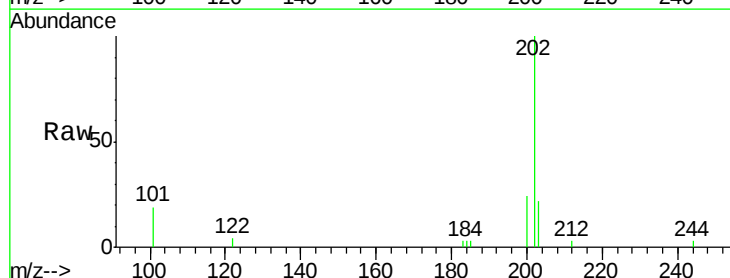
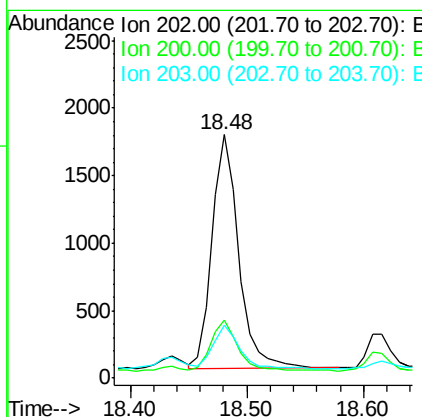
RT: 18.48 min Scan# 2355

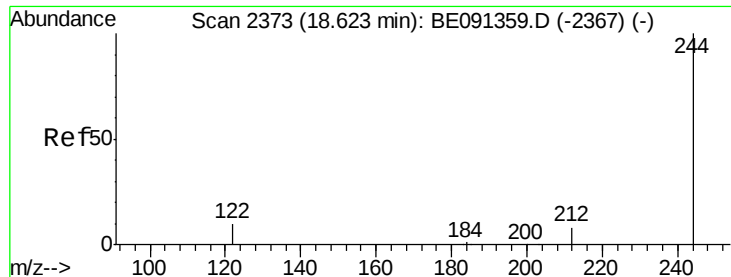
Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion:	202	Resp:	2758
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.2	25.8
203	18.5	14.2	21.4





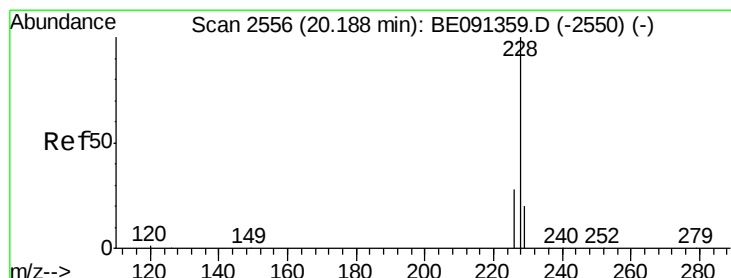
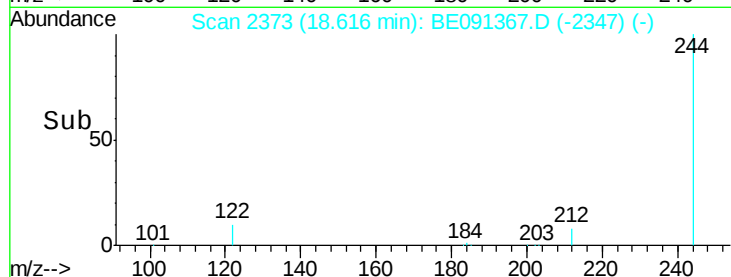
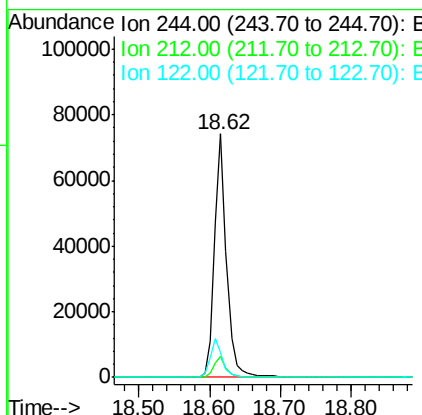
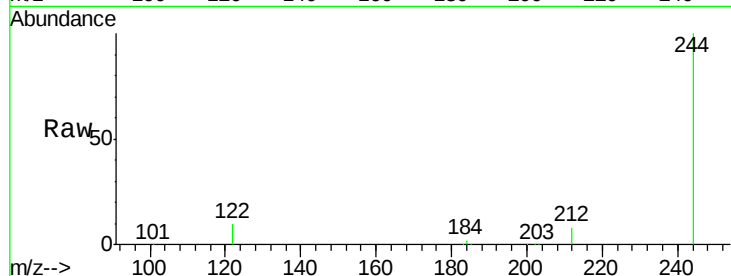
#20
 Terphenyl-d14
 Concen: 4.79 ng
 RT: 18.62 min Scan# 2373
 Delta R.T. -0.01 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26

Instrument :
 BNA_E
 ClientSampleId :
 IMPACT-PS-001

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.4
122	10.2	8.5	12.7

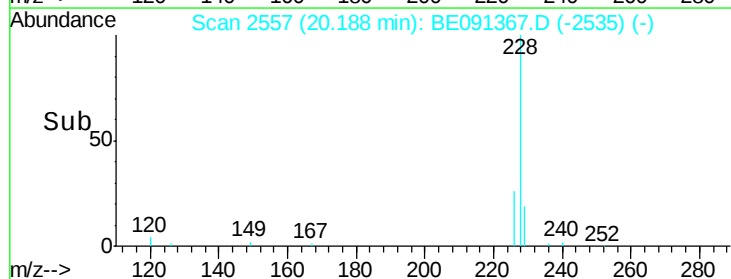
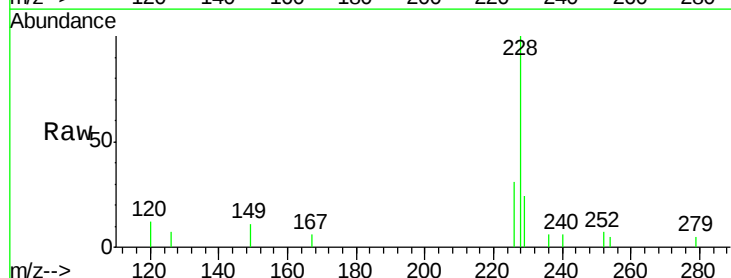
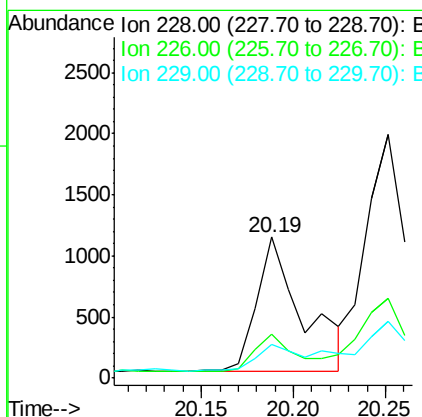
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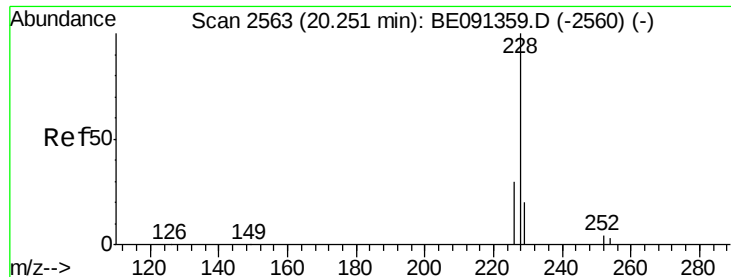
mohammad
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#21
 Benzo(a)anthracene
 Concen: 0.45 ng
 RT: 20.19 min Scan# 2557
 Delta R.T. 0.00 min
 Lab File: BE091367.D
 Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.5	33.7
229	24.0	16.2	24.4





#22

Chrysene

Concen: 0.10 ng

RT: 20.25 min Scan# 2564

Delta R.T. 0.00 min

Lab File: BE091367.D

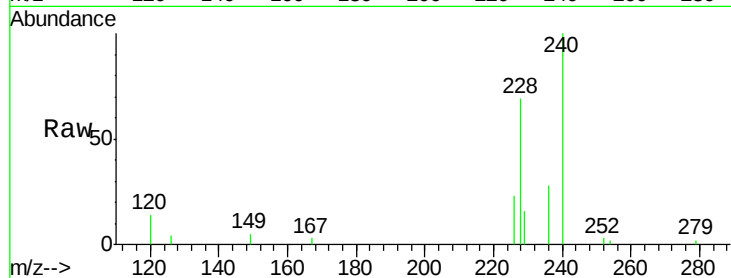
Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

ClientSampleId :

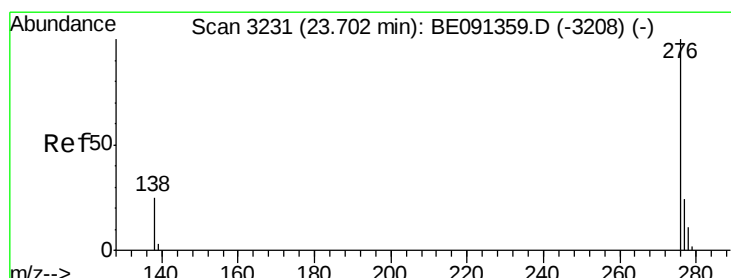
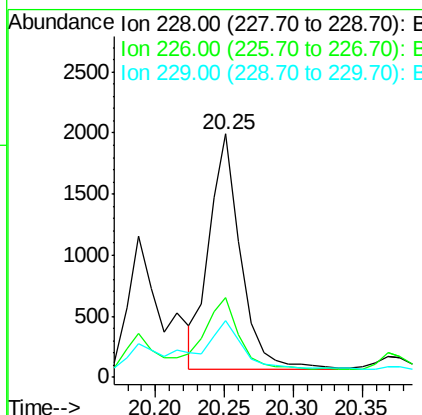
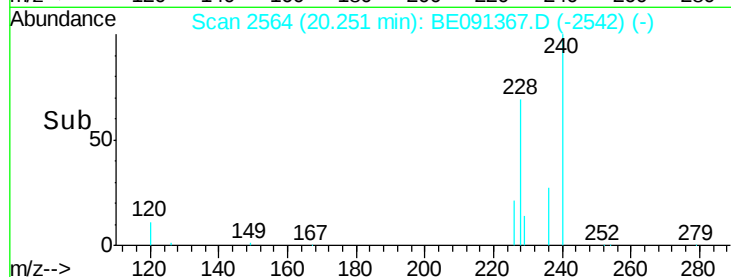
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Tgt Ion:	228	Resp:	3076
Ion Ratio	Lower	Upper	
228	100		
226	32.8	23.7	35.5
229	23.2	16.0	24.0

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#23

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng m

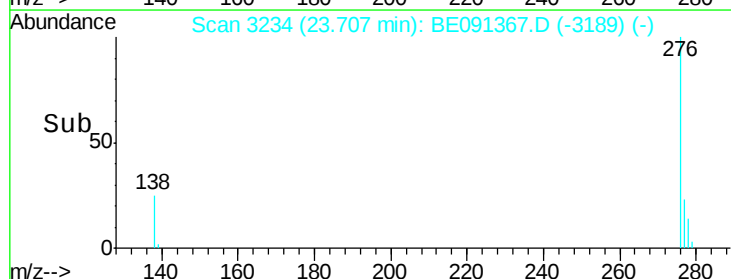
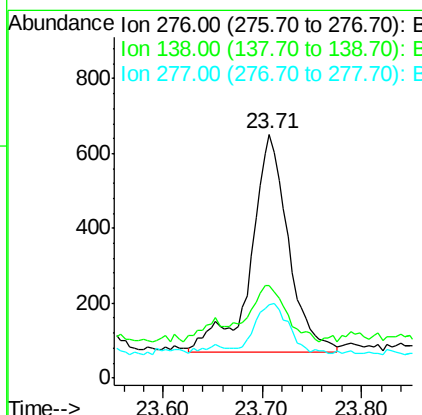
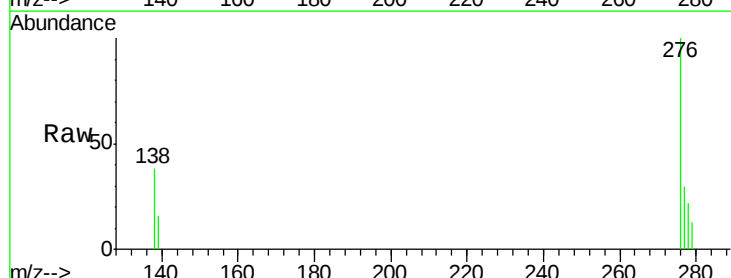
RT: 23.71 min Scan# 3234

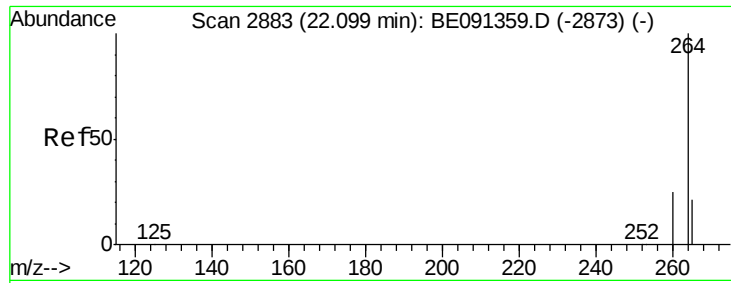
Delta R.T. 0.01 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion:	276	Resp:	1522
Ion Ratio	Lower	Upper	
276	100		
138	2.4	18.6	27.8#
277	1.9	16.5	24.7#





#24

Perylene-d12

Concen: 5.00 ng

RT: 22.10 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BE091367.D

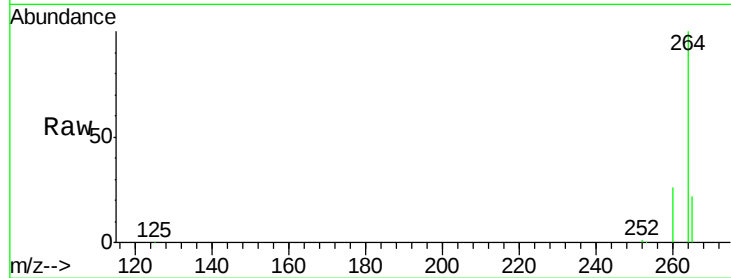
Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

ClientSampleId :

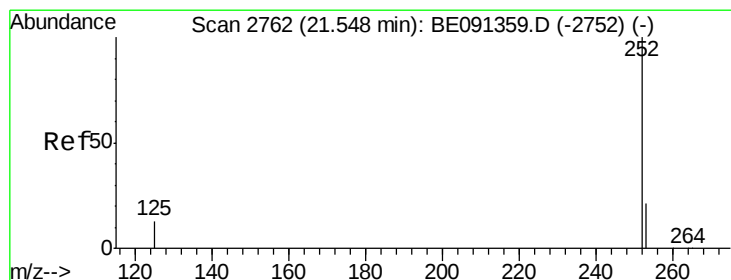
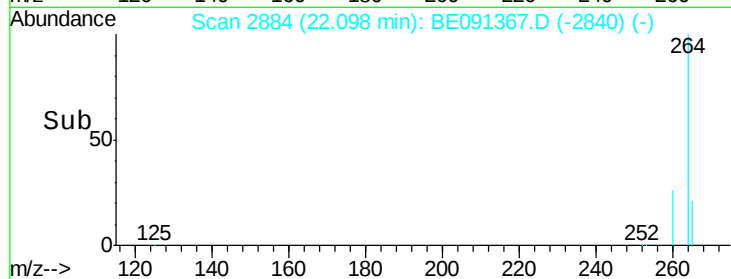
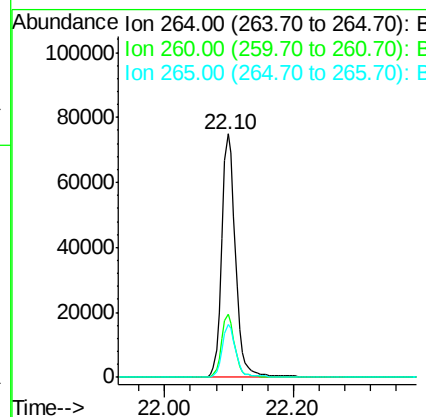
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Tgt Ion:	264	Resp:	110773
Ion Ratio	Lower	Upper	
264	100		
260	25.8	20.4	30.6
265	21.5	17.2	25.8

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#25

Benzo(b)fluoranthene

Concen: 0.34 ng

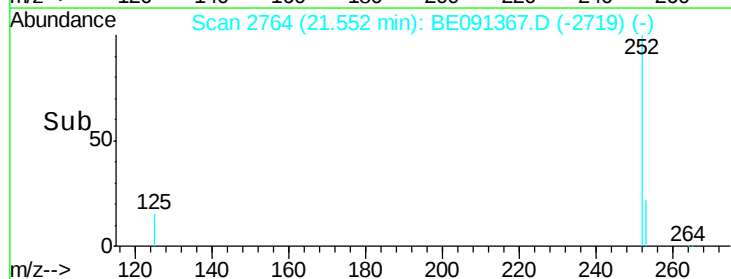
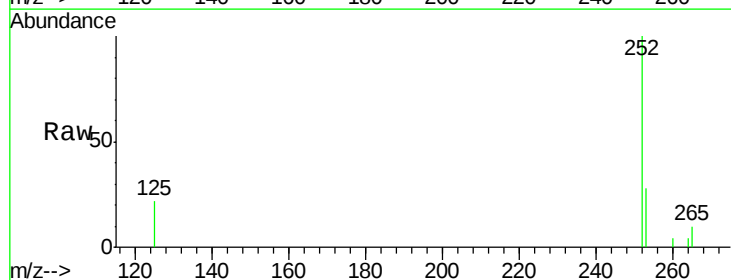
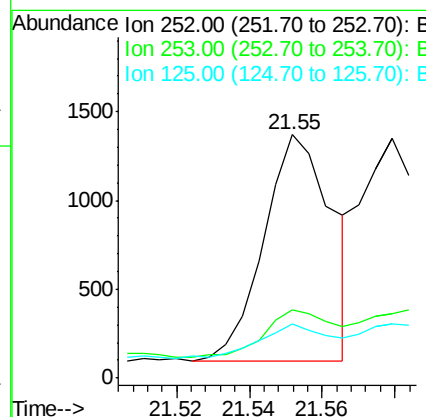
RT: 21.55 min Scan# 2764

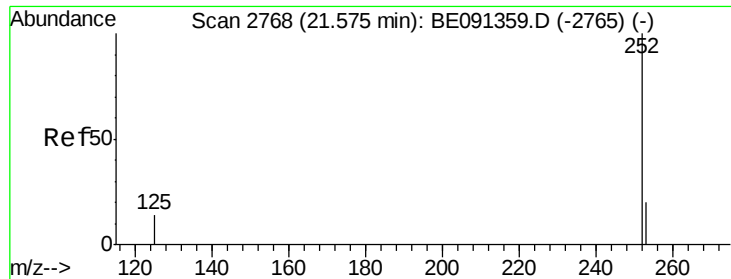
Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion:	252	Resp:	1659
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.4	26.2#
125	22.2	11.0	16.6#





#26

Benzo(k)fluoranthene

Concen: 0.32 ng

RT: 21.58 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BE091367.D

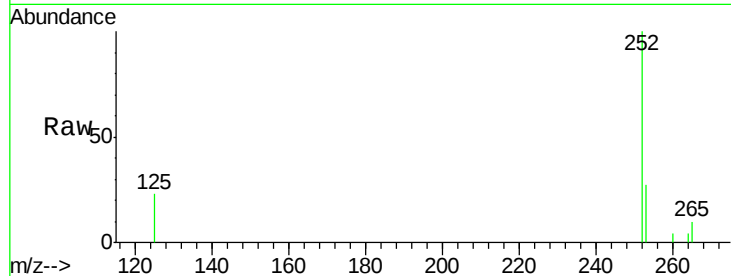
Acq: 15 Jan 2016 1:26

Instrument :

BNA_E

ClientSampleId :

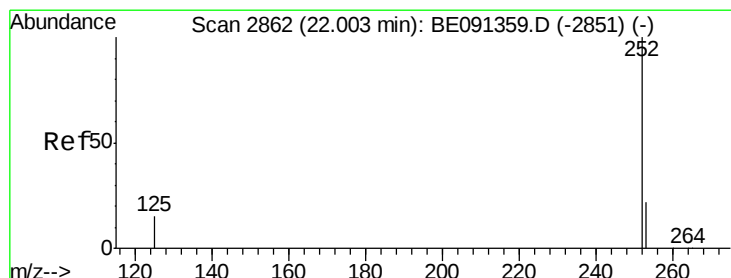
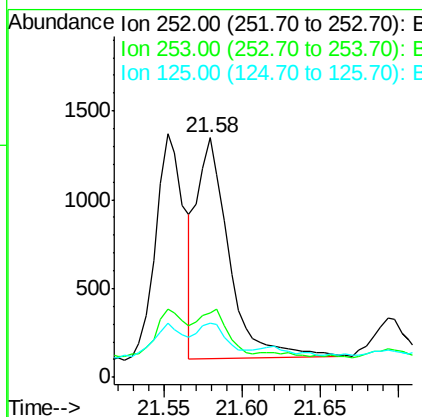
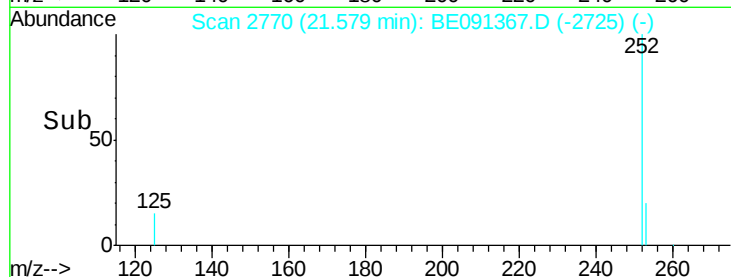
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.5	26.3#
125	22.8	11.3	16.9#

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#27

Benzo(a)pyrene

Concen: 0.32 ng

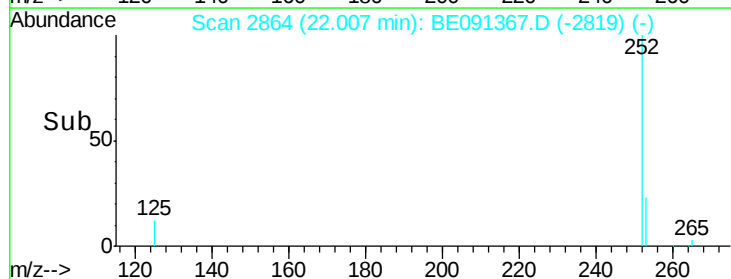
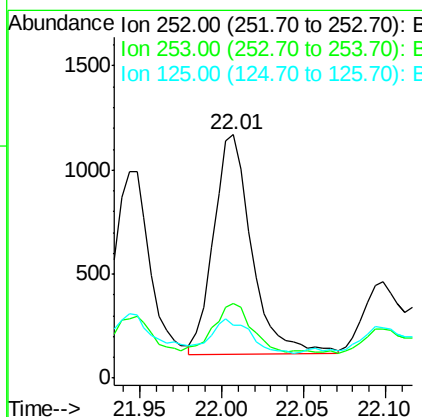
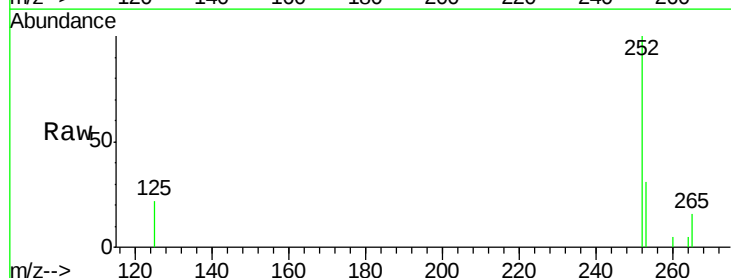
RT: 22.01 min Scan# 2864

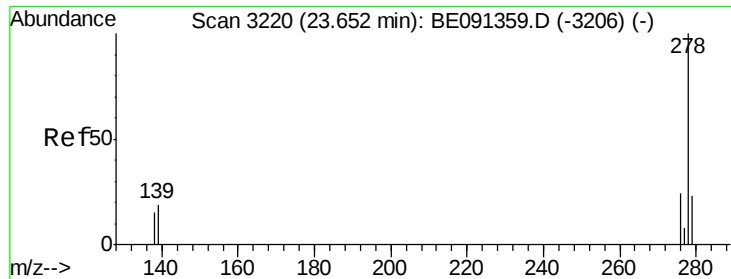
Delta R.T. 0.00 min

Lab File: BE091367.D

Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.1	27.1#
125	21.9	12.2	18.4#





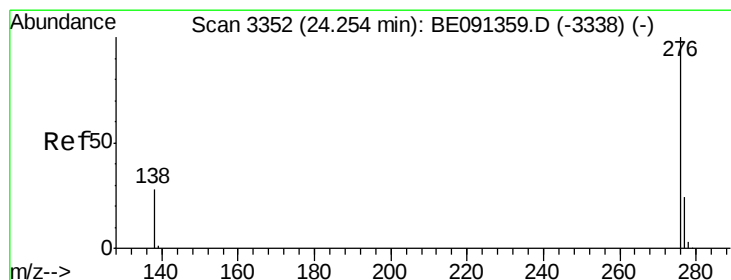
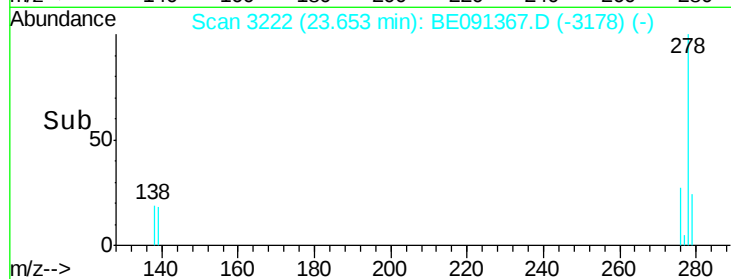
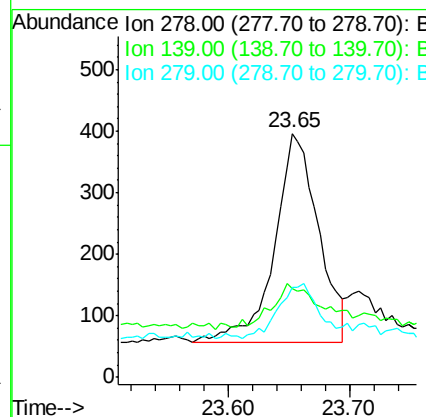
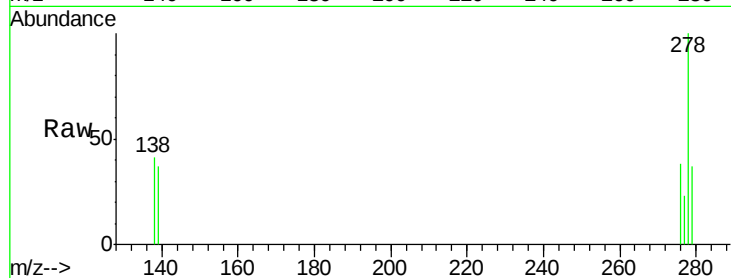
#28
Dibenzo(a,h)anthracene
Concen: 0.47 ng
RT: 23.65 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BE091367.D
Acq: 15 Jan 2016 1:26

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.6	16.3	24.5#
279	36.9	19.4	29.2#

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#29
Benzo(g,h,i)perylene
Concen: 0.39 ng
RT: 24.25 min Scan# 3354
Delta R.T. 0.00 min
Lab File: BE091367.D
Acq: 15 Jan 2016 1:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.1	19.8	29.6#
138	37.2	23.3	34.9#

