

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089828.D
 Acq On : 25 Mar 2015 2:15
 Operator : TP/JJ
 Sample : G1575-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RW-10V

Manual Integrations
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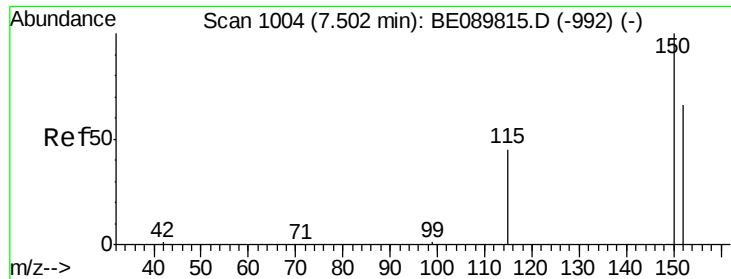
Quant Time: Mar 25 17:02:08 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	223513	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	889425	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	396863	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	695798	5.00	ng	0.00
19) Chrysene-d12	24.26	240	656837	5.00	ng	0.00
25) Perylene-d12	27.41	264	605516	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	527506	8.14	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	827986	8.92	ng	0.00
21) Terphenyl-d14	21.86	244	925211	9.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
7) 2-Methylnaphthalene	11.93	142	6882	0.07	ng	# 80
14) Hexachlorobenzene	16.98	284	7455	0.32	ng	98
16) Phenanthrene	17.97	178	12049	0.08	ng	99
18) Fluoranthene	20.82	202	33968	0.25	ng	99
20) Pyrene	21.34	202	29200	0.18	ng	# 96
22) Benzo(a)anthracene	24.25	228	12417	0.10	ng	# 93
23) Chrysene	24.32	228	22373	0.17	ng	97
24) Indeno(1,2,3-cd)pyrene	29.38	276	8421	0.48	ng	# 91
26) Benzo(b)fluoranthene	26.64	252	21391	0.47	ng	# 88
27) Benzo(k)fluoranthene	26.69	252	14202m	0.11	ng	
28) Benzo(a)pyrene	27.30	252	9327	0.37	ng	# 81
30) Benzo(g,h,i)perylene	29.83	276	13079	0.35	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089828.D

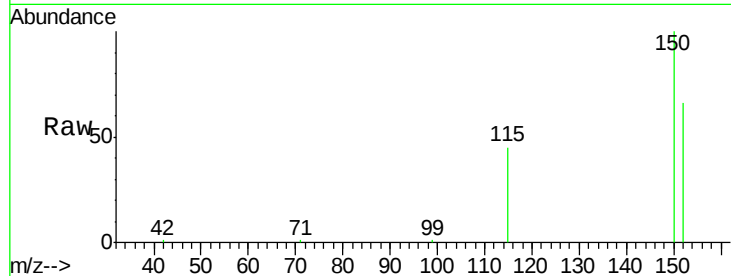
Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

ClientSampleId :

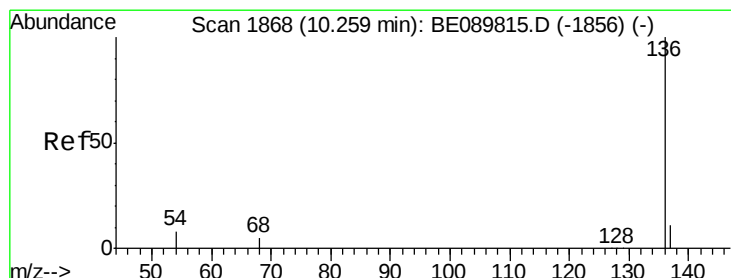
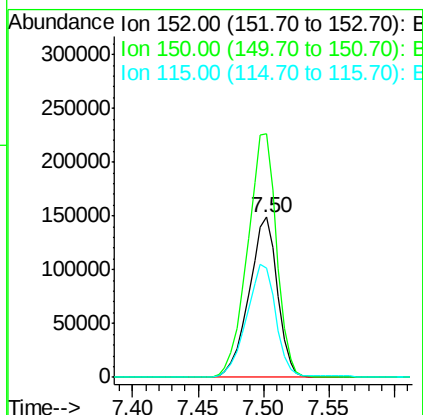
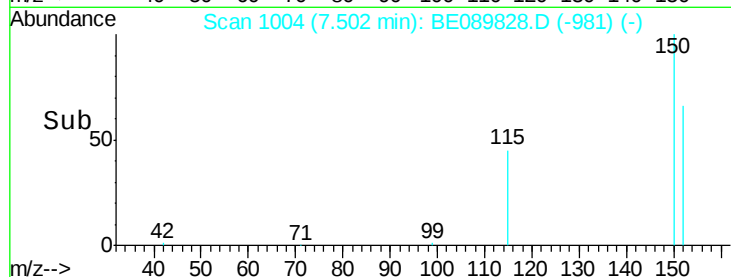
RW-10V



Tgt	Ion	152	Resp:	223513
Ion	Ratio	Lower	Upper	
152	100			
150	151.9	125.5	188.3	
115	68.5	58.0	87.0	

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#4

Naphthalene-d8

Concen: 5.00 ng

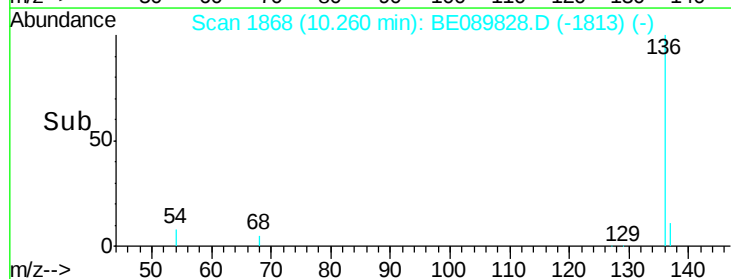
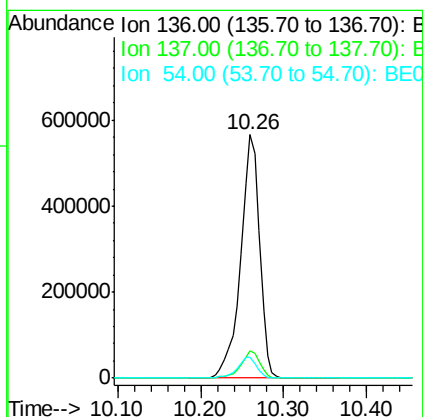
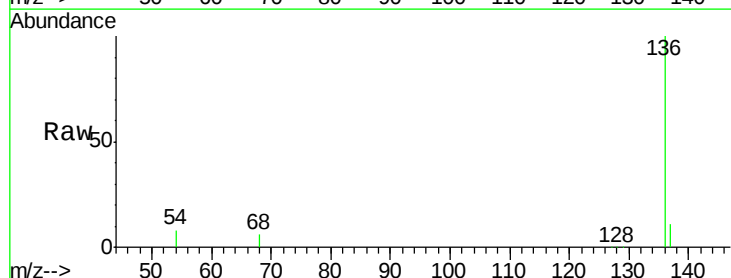
RT: 10.26 min Scan# 1868

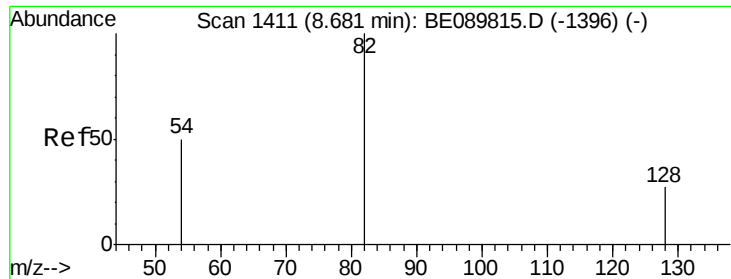
Delta R.T. 0.00 min

Lab File: BE089828.D

Acq: 25 Mar 2015 2:15

Tgt	Ion	136	Resp:	889425
Ion	Ratio	Lower	Upper	
136	100			
137	11.2	8.8	13.2	
54	8.4	7.0	10.4	





#5

Nitrobenzene-d5

Concen: 8.14 ng

RT: 8.68 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BE089828.D

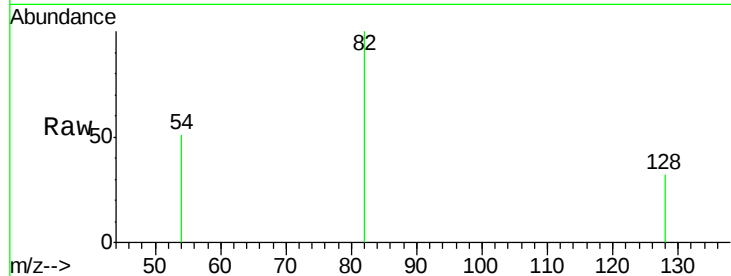
Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

ClientSampleId :

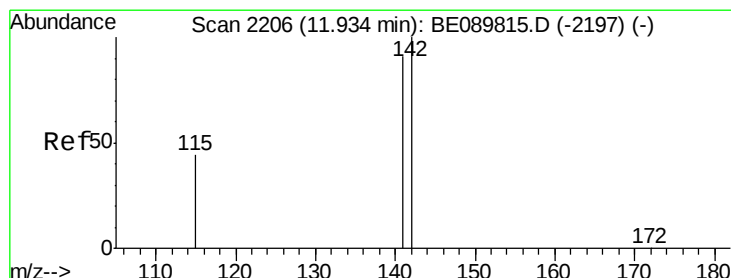
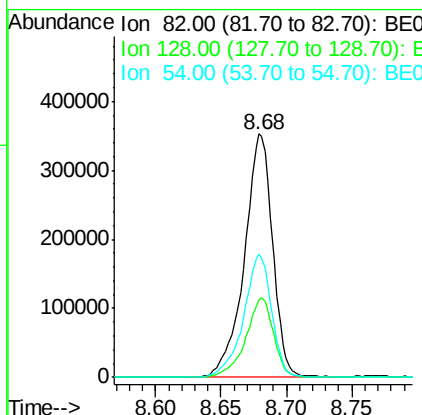
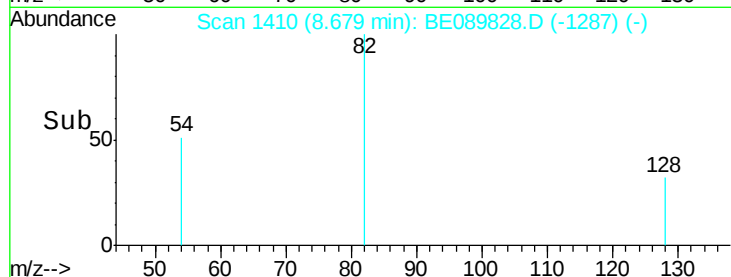
RW-10V



Tgt Ion	Ratio	Lower	Upper
82	100		
128	31.8	24.6	37.0
54	50.8	43.0	64.6

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#7

2-Methylnaphthalene

Concen: 0.07 ng

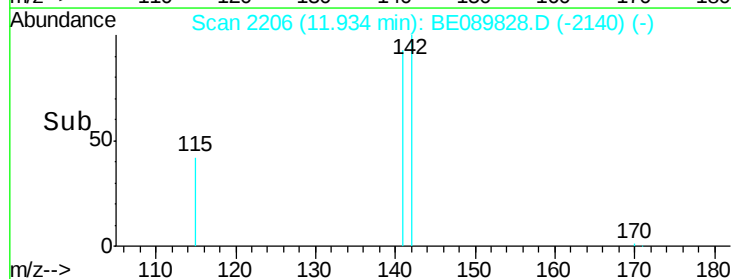
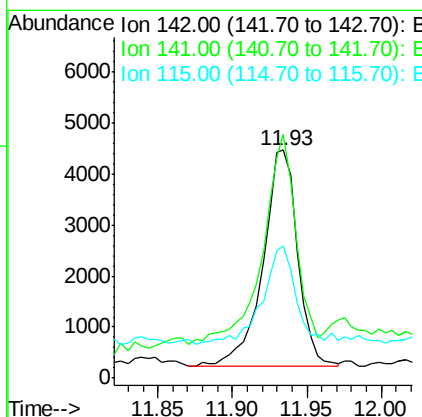
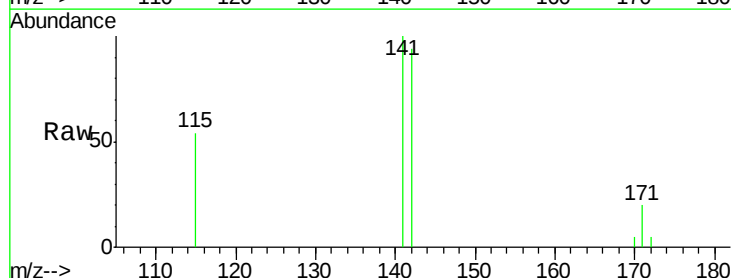
RT: 11.93 min Scan# 2206

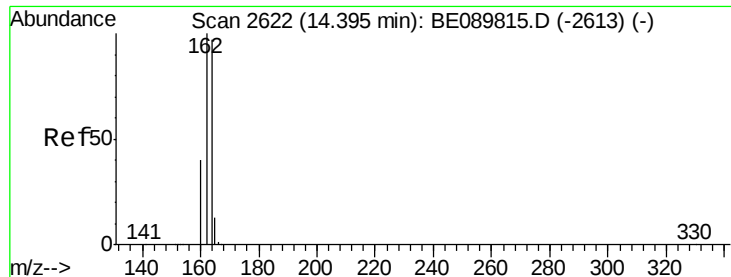
Delta R.T. -0.00 min

Lab File: BE089828.D

Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Lower	Upper
142	100		
141	106.8	72.8	109.2
115	57.8	32.9	49.3





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089828.D

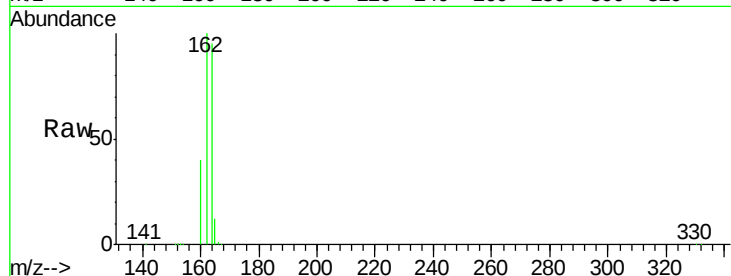
Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

ClientSampleId :

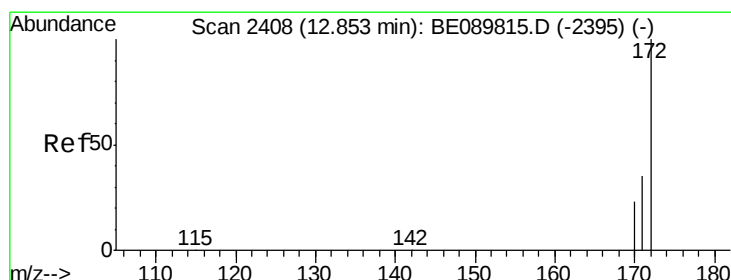
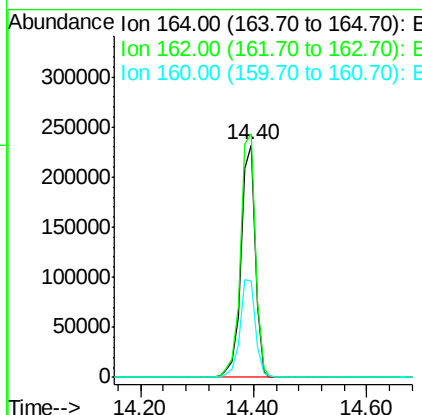
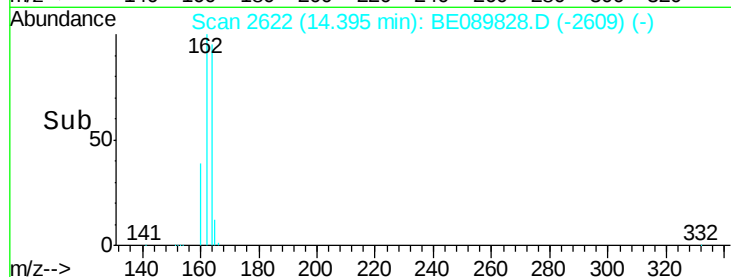
RW-10V



Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.8	87.6	131.4	
160	41.4	36.7	55.1	

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#9

2-Fluorobiphenyl

Concen: 8.92 ng

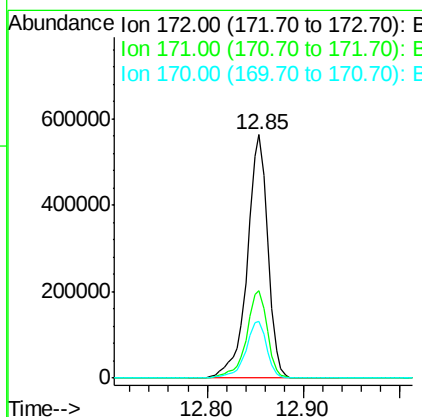
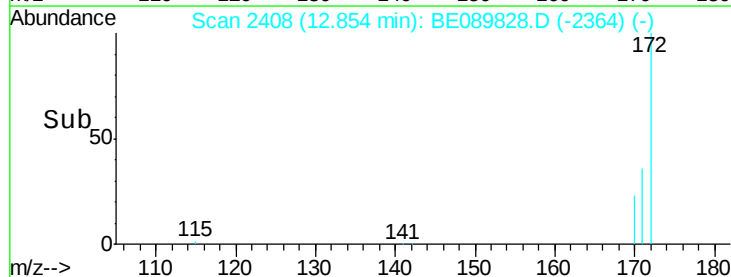
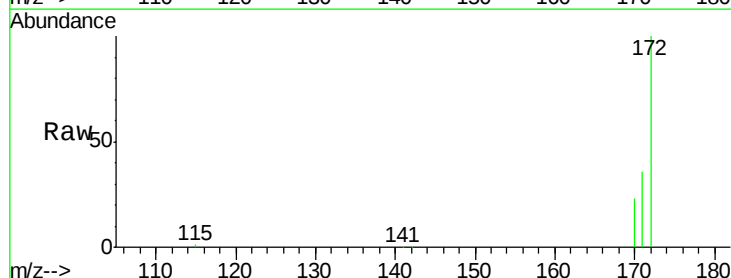
RT: 12.85 min Scan# 2408

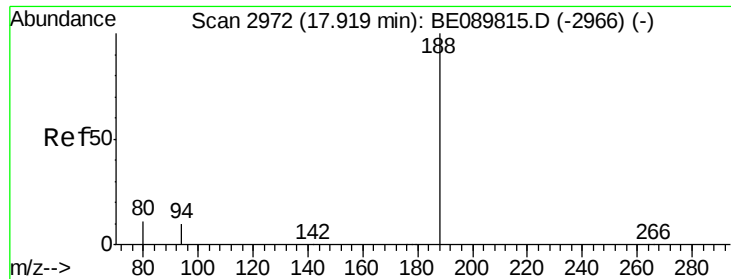
Delta R.T. 0.00 min

Lab File: BE089828.D

Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	30.8	46.2	
170	23.2	21.0	31.4	





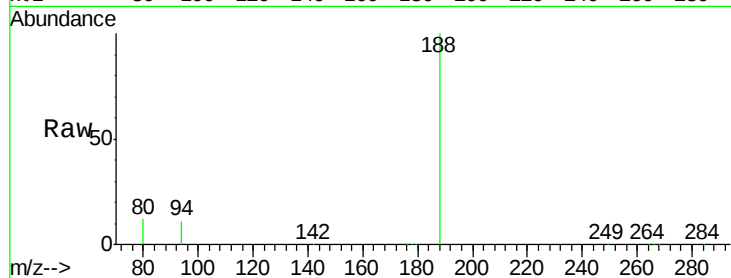
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2972
Delta R.T. -0.00 min
Lab File: BE089828.D
Acq: 25 Mar 2015 2:15

Instrument :
BNA_E
ClientSampleId :
RW-10V

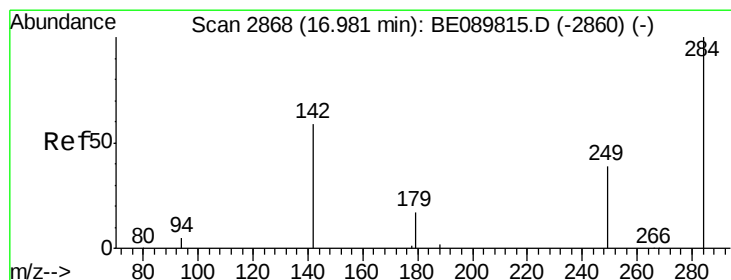
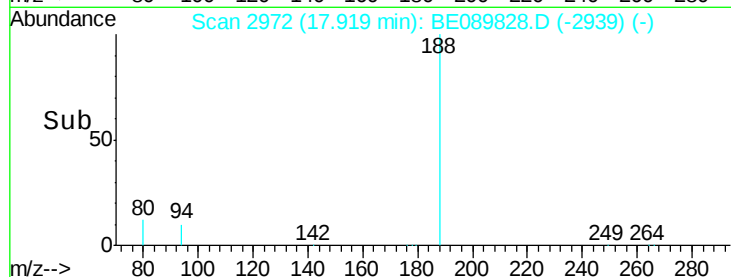
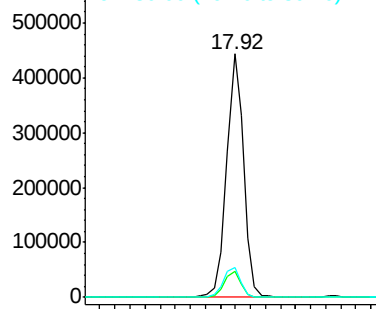
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	8.5	12.7
80	12.3	10.0	15.0

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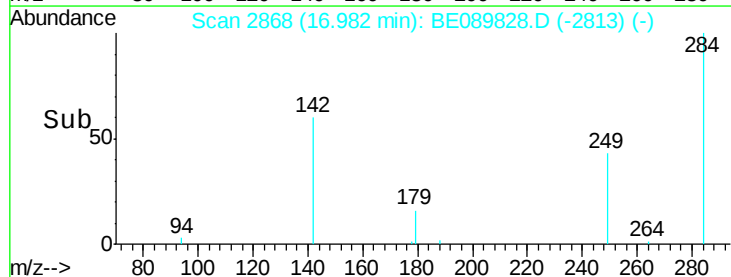
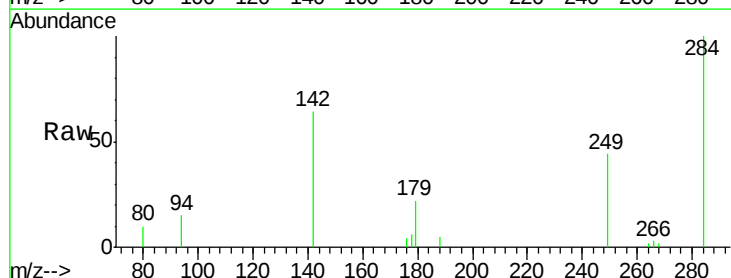
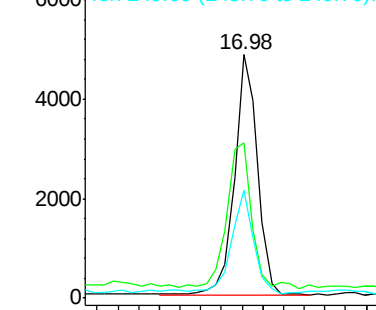
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

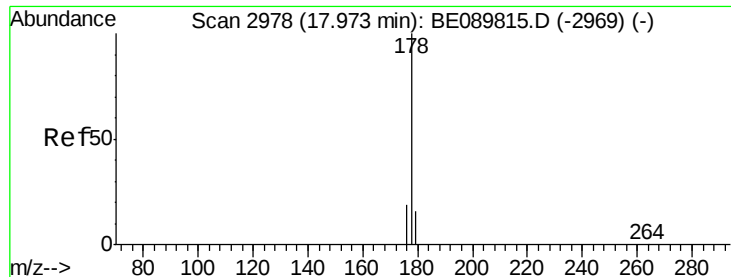


#14
Hexachlorobenzene
Concen: 0.32 ng
RT: 16.98 min Scan# 2868
Delta R.T. -0.00 min
Lab File: BE089828.D
Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	66.3	53.3	79.9
249	41.6	31.1	46.7

Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





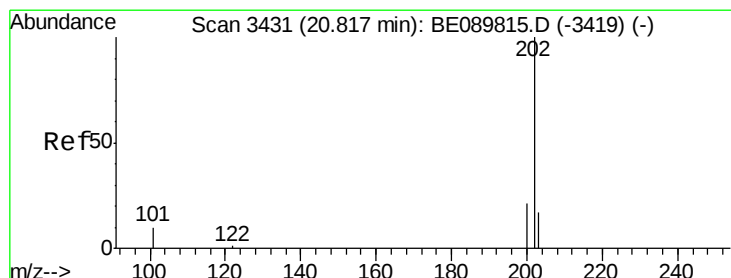
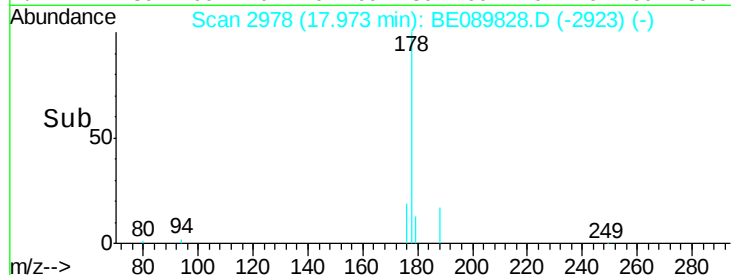
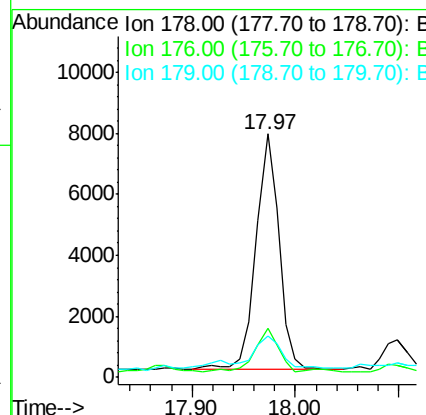
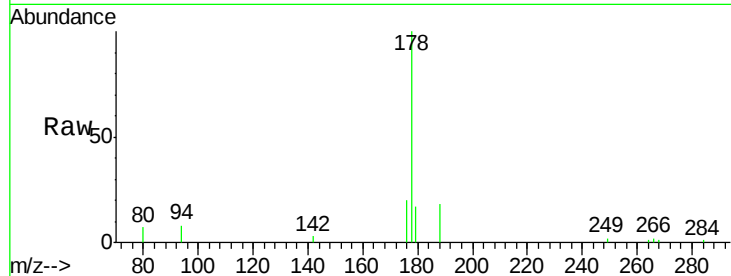
#16
Phenanthrene
Concen: 0.08 ng
RT: 17.97 min Scan# 2978
Delta R.T. -0.00 min
Lab File: BE089828.D
Acq: 25 Mar 2015 2:15

Instrument :
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ClientSampleId :
RW-10V

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.0
179	15.5	12.2	18.4

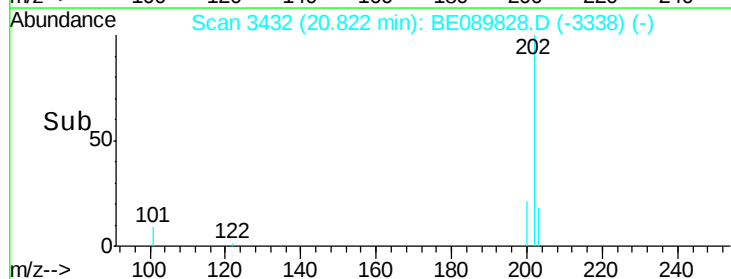
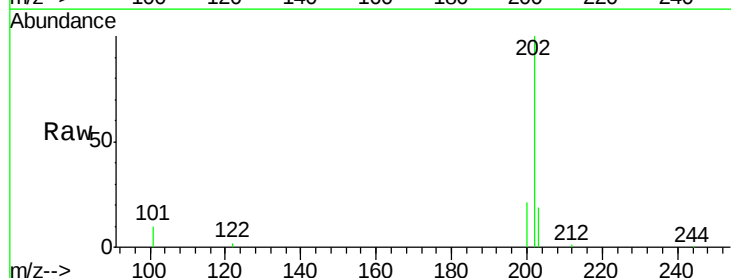
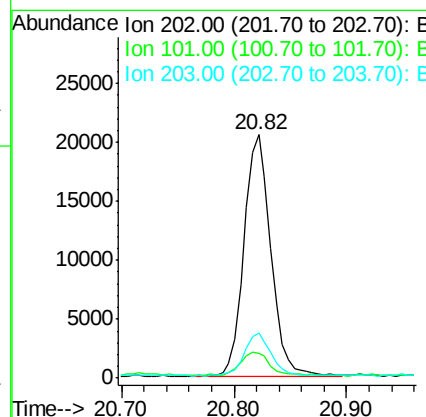
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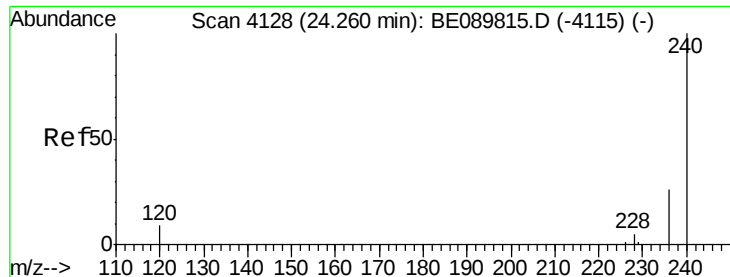
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#18
Fluoranthene
Concen: 0.25 ng
RT: 20.82 min Scan# 3432
Delta R.T. -0.00 min
Lab File: BE089828.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.2	12.2
203	18.2	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4128

Delta R.T. -0.00 min

Lab File: BE089828.D

Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

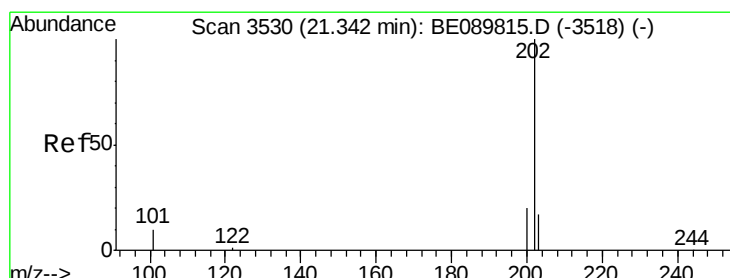
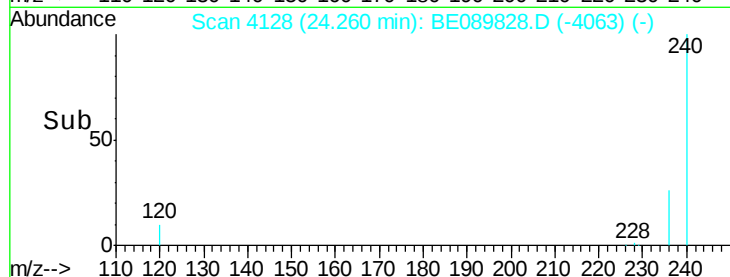
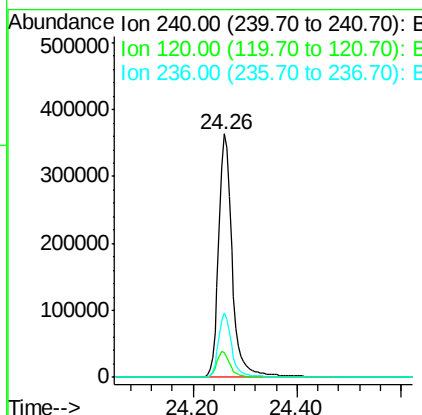
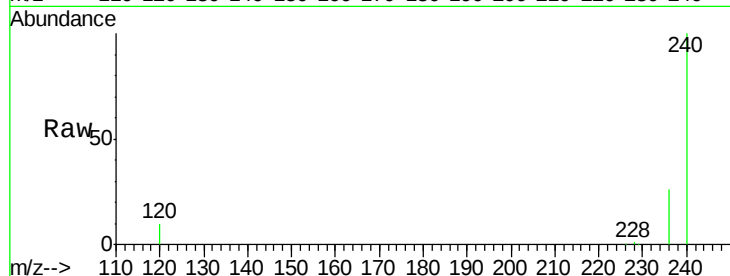
ClientSampleId :

RW-10V

Tgt	Ion	240	Resp:	656837
Ion	Ratio	Lower	Upper	
240	100			
120	10.4	7.5	11.3	
236	26.2	20.5	30.7	

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#20

Pyrene

Concen: 0.18 ng

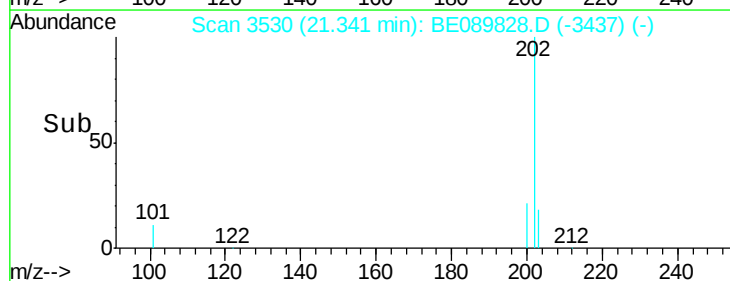
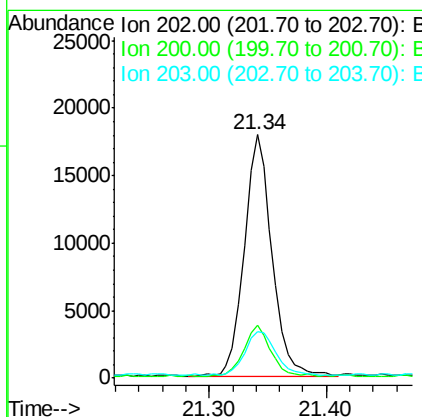
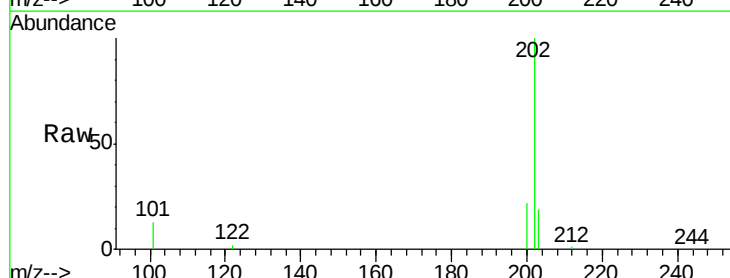
RT: 21.34 min Scan# 3530

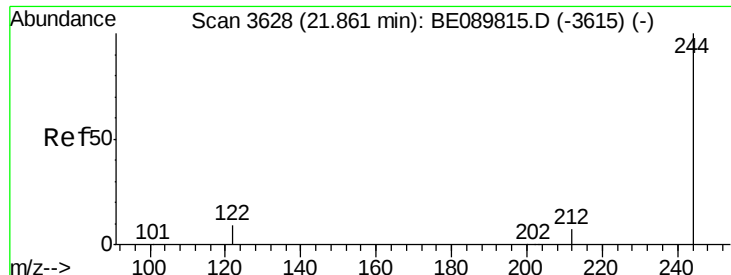
Delta R.T. -0.01 min

Lab File: BE089828.D

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Tgt	Ion	202	Resp:	29200
Ion	Ratio	Lower	Upper	
202	100			
200	20.2	15.9	23.9	
203	20.4	13.6	20.4#	





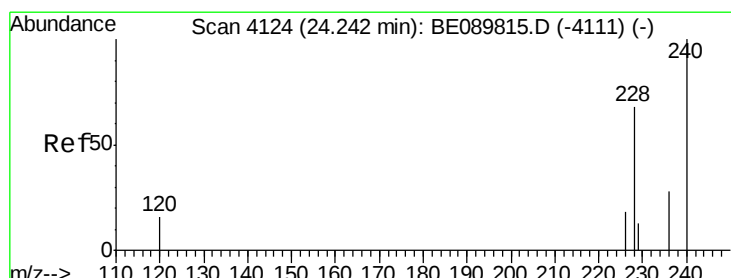
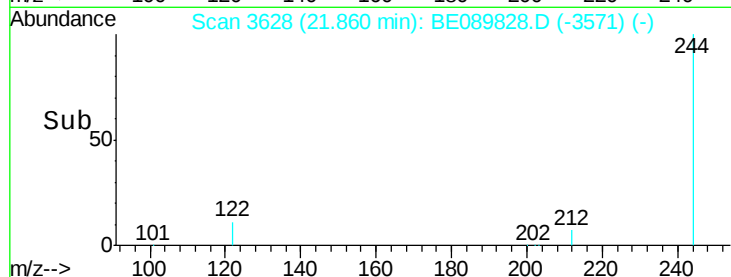
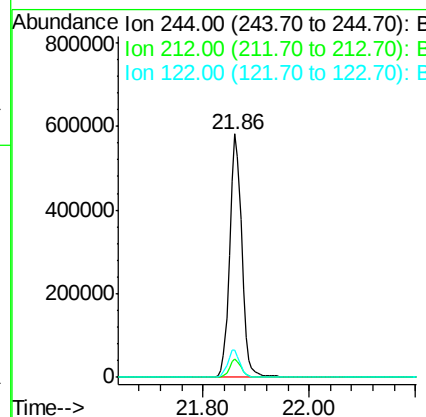
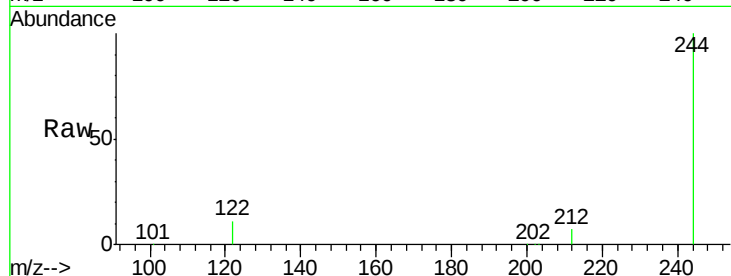
#21
 Terphenyl-d14
 Concen: 9.55 ng
 RT: 21.86 min Scan# 3628
 Delta R.T. -0.00 min
 Lab File: BE089828.D
 Acq: 25 Mar 2015 2:15

Instrument :
 BNA_E
 ClientSampleId :
 RW-10V

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.4	7.3	10.9
122	11.3	10.5	15.7

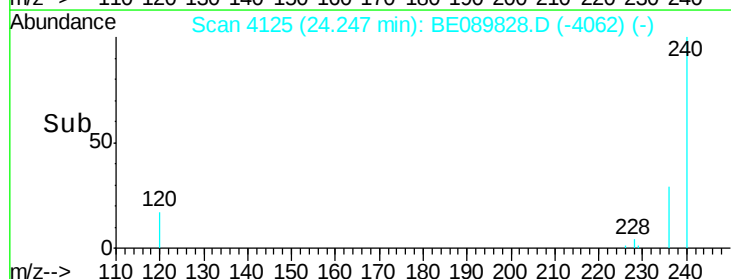
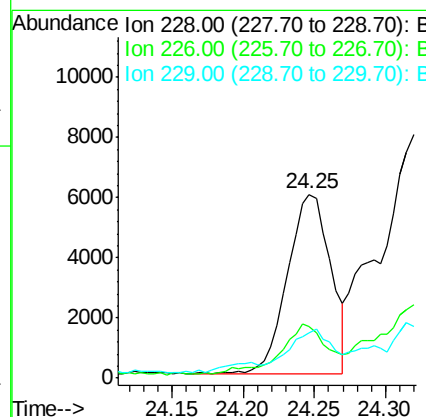
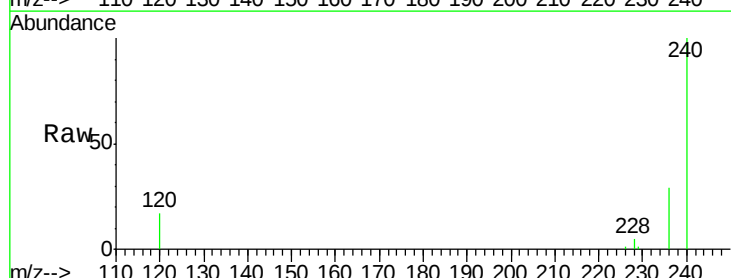
Manual Integrations
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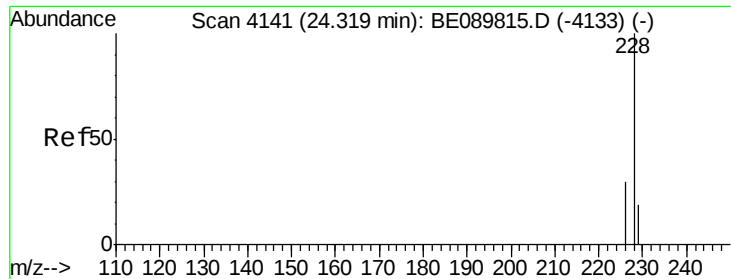
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#22
 Benzo(a)anthracene
 Concen: 0.10 ng
 RT: 24.25 min Scan# 4125
 Delta R.T. -0.00 min
 Lab File: BE089828.D
 Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.8	19.8	29.8
229	24.6	16.3	24.5





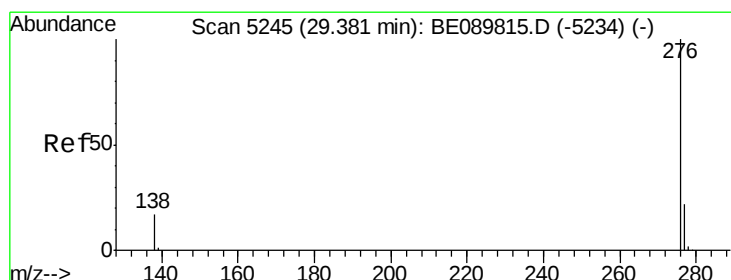
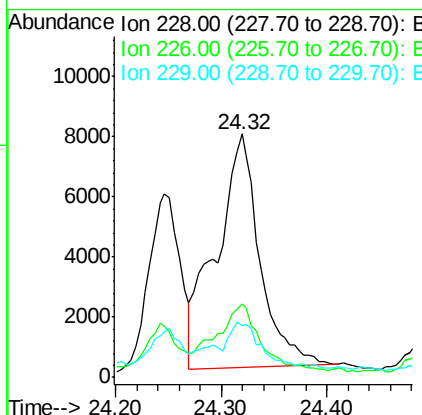
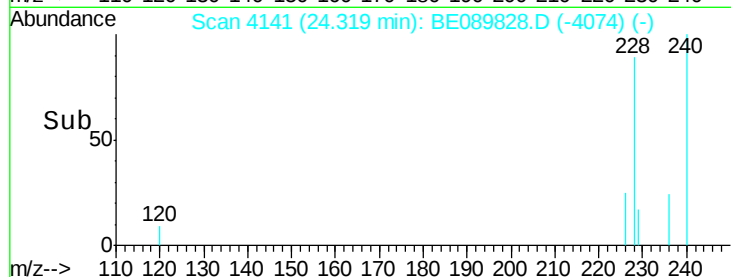
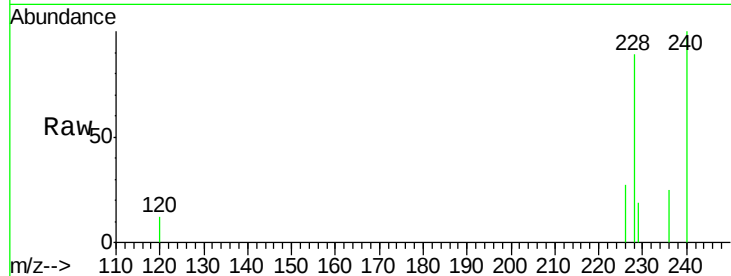
#23
Chrysene
Concen: 0.17 ng
RT: 24.32 min Scan# 4141
Delta R.T. 0.00 min
Lab File: BE089828.D
Acq: 25 Mar 2015 2:15

Instrument :
BNA_E
ClientSampleId :
RW-10V

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.0	34.4
229	21.4	15.8	23.6

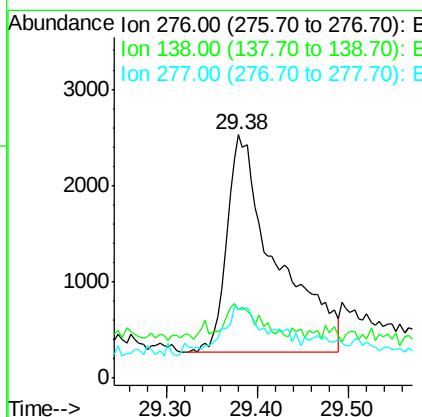
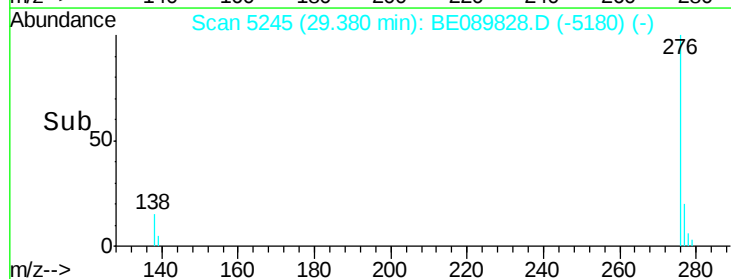
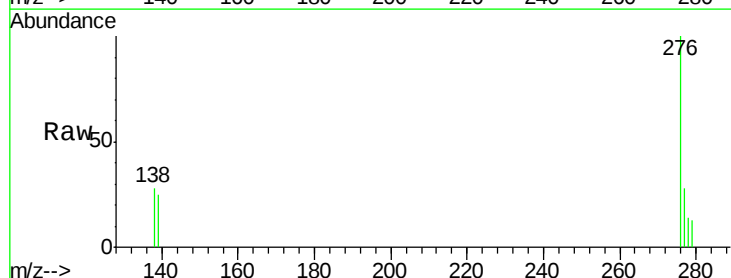
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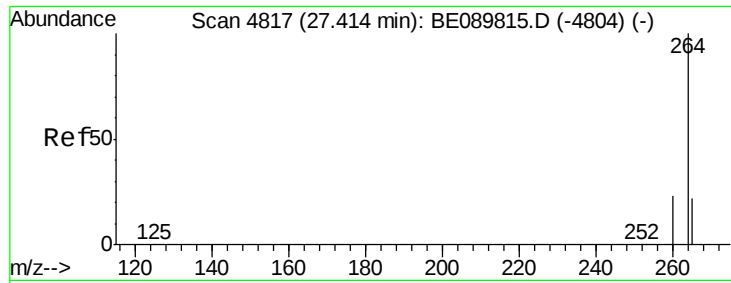
mohammad
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.48 ng
RT: 29.38 min Scan# 5245
Delta R.T. -0.00 min
Lab File: BE089828.D
Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.5	4.3	6.5#
277	12.8	9.0	13.4





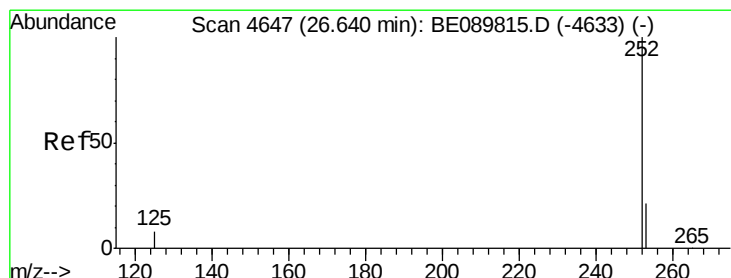
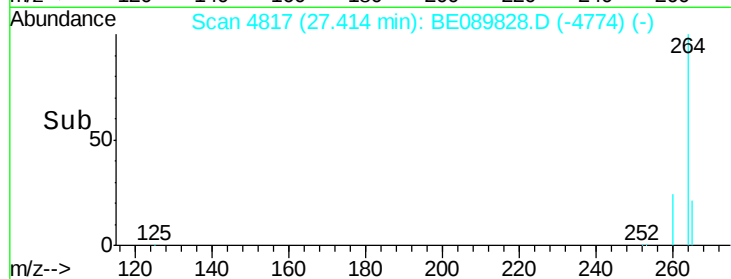
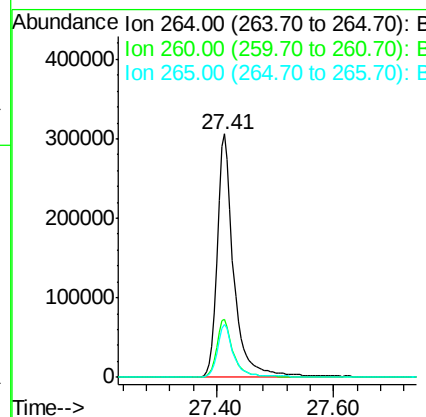
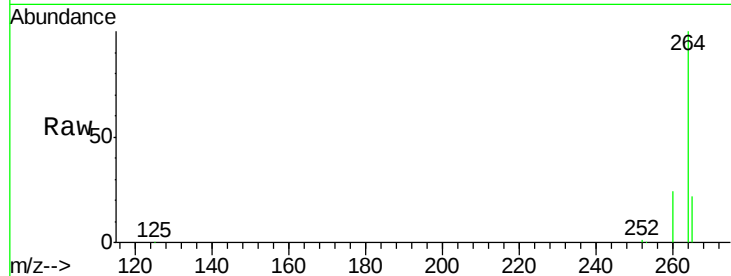
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.41 min Scan# 4817
 Delta R.T. -0.00 min
 Lab File: BE089828.D
 Acq: 25 Mar 2015 2:15

Instrument :
 BNA_E
 ClientSampleId :
 RW-10V

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	21.6	17.3	25.9

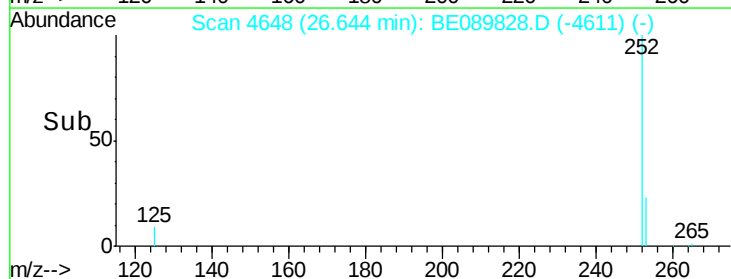
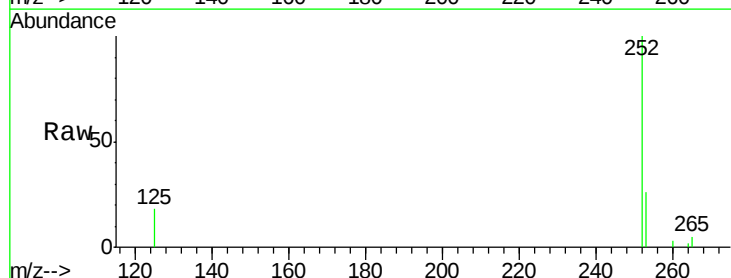
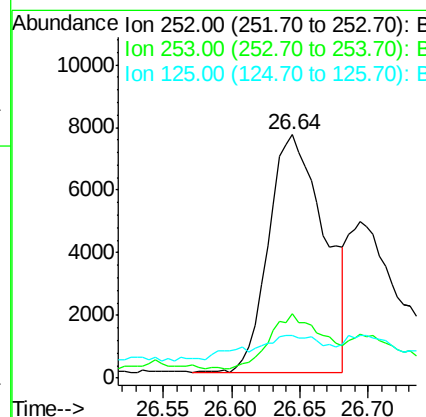
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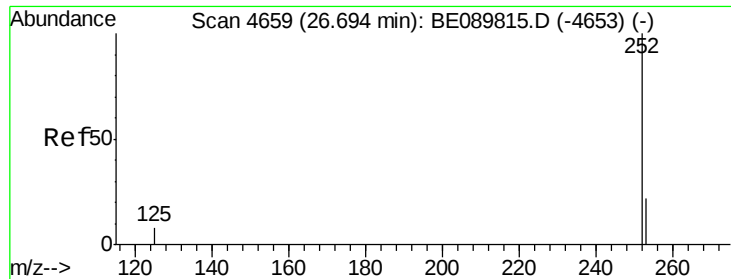
mohammad
 3/25/2015 5:43:05 PM



#26
 Benzo(b)fluoranthene
 Concen: 0.47 ng
 RT: 26.64 min Scan# 4648
 Delta R.T. 0.01 min
 Lab File: BE089828.D
 Acq: 25 Mar 2015 2:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.8	26.6
125	17.8	8.7	13.1





#27

Benzo(k)fluoranthene

Concen: 0.11 ng m

RT: 26.69 min Scan# 4659

Delta R.T. -0.01 min

Lab File: BE089828.D

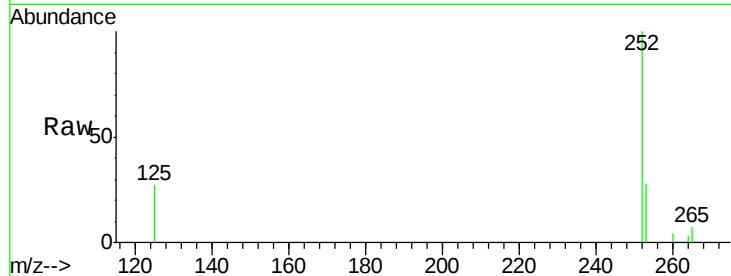
Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

ClientSampleId :

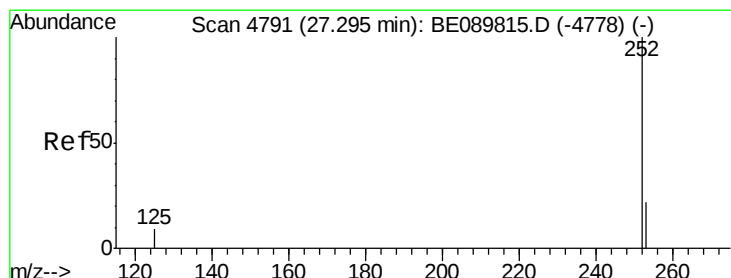
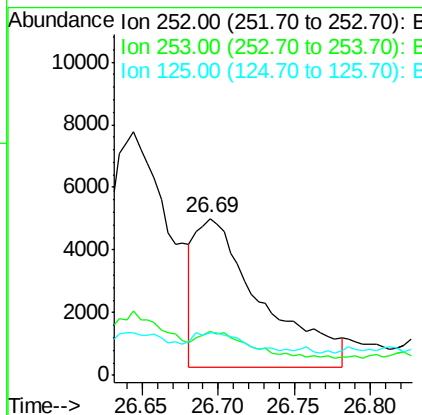
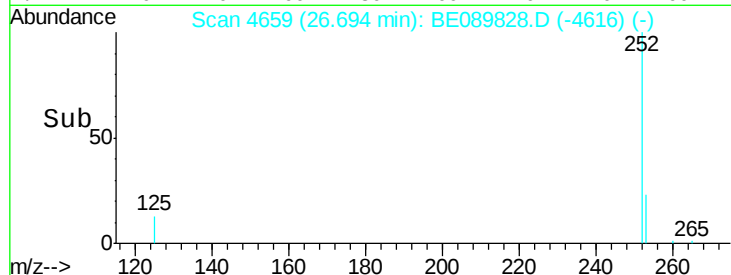
RW-10V



Tgt Ion:	252	Resp:	14202
Ion Ratio	Lower	Upper	
252	100		
253	27.8	18.6	28.0
125	26.9	10.8	16.2#

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#28

Benzo(a)pyrene

Concen: 0.37 ng

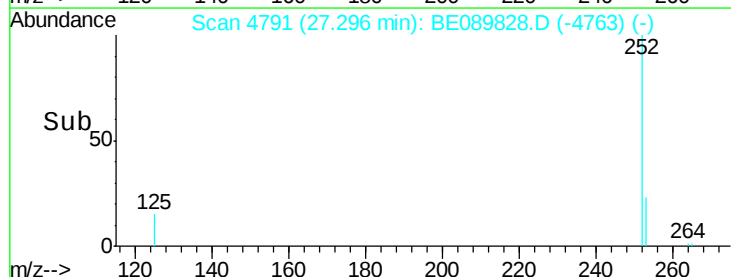
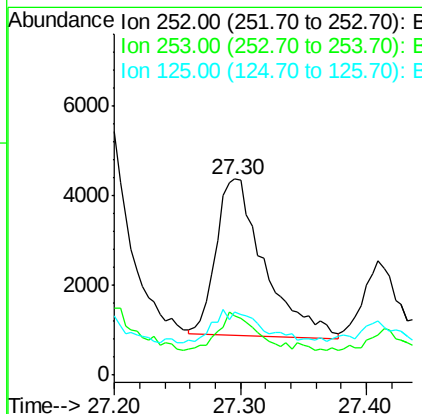
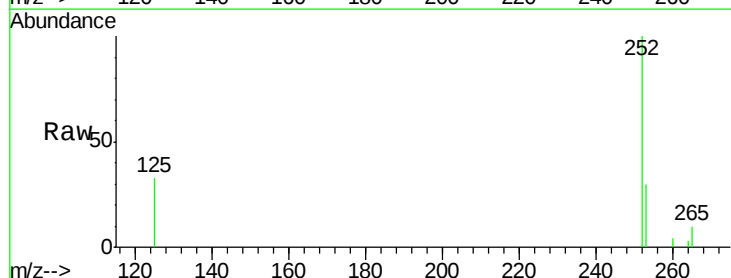
RT: 27.30 min Scan# 4791

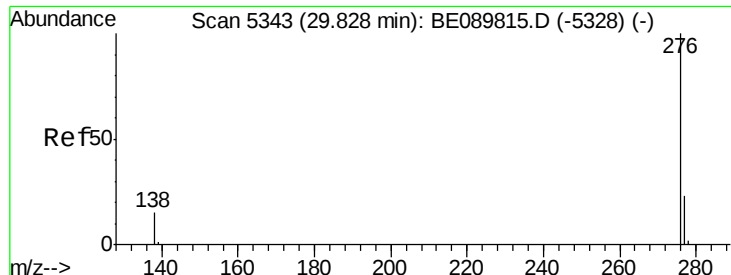
Delta R.T. -0.00 min

Lab File: BE089828.D

Acq: 25 Mar 2015 2:15

Tgt Ion:	252	Resp:	9327
Ion Ratio	Lower	Upper	
252	100		
253	30.0	21.0	31.4
125	32.5	13.3	19.9#





#30

Benzo(g,h,i)perylene

Concen: 0.35 ng

RT: 29.83 min Scan# 5343

Delta R.T. 0.01 min

Lab File: BE089828.D

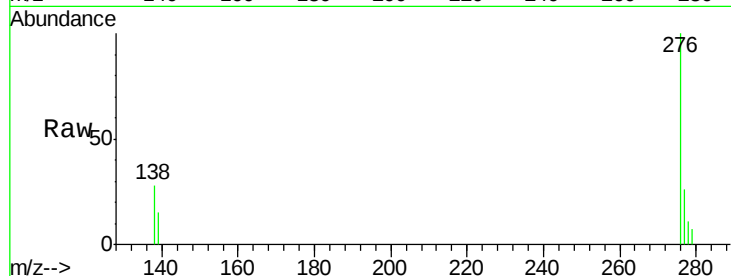
Acq: 25 Mar 2015 2:15

Instrument :

BNA_E

ClientSampleId :

RW-10V



Tgt Ion: 276 Resp: 13079

Ion Ratio Lower Upper

276 100

277 26.3 19.2 28.8

138 28.0 22.9 34.3

Manual Integrations

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