

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088427.D
 Acq On : 31 Oct 2014 17:33
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:05:46 AM

Quant Time: Oct 31 23:40:33 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 00:20:37 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39904	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	153929	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	72762	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	138058	5.00	ng	0.00
16) Chrysene-d12	18.31	240	66047	5.00	ng	0.00
22) Perylene-d12	21.37	264	57510	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	23633	2.10	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	41990	2.03	ng	0.00
18) Terphenyl-d14	16.07	244	25196	2.07	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	10796	2.07	ng	99
5) Naphthalene	8.68	128	65233	2.02	ng	97
6) 2-Methylnaphthalene	9.53	142	41118	2.06	ng	98
9) Acenaphthylene	10.62	152	240580	2.01	ng	99
10) Acenaphthene	10.84	154	34839	1.96	ng	99
11) Fluorene	11.49	166	38417	2.04	ng	99
13) Phenanthrene	12.94	178	274456	1.96	ng	99
14) Anthracene	13.02	178	205313	2.01	ng	99
15) Fluoranthene	15.18	202	42535	2.09	ng	100
17) Pyrene	15.63	202	44882	2.07	ng	100
19) Benzo(a)anthracene	18.29	228	125309	2.01	ng	100
20) Chrysene	18.36	228	124733	2.04	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	116988m	2.01	ng	
23) Benzo(b)fluoranthene	20.61	252	25979	2.07	ng	99
24) Benzo(k)fluoranthene	20.67	252	29223	2.10	ng	100
25) Benzo(a)pyrene	21.26	252	24985	2.08	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	22922	2.05	ng	99
27) Benzo(g,h,i)perylene	24.17	276	103389	2.00	ng	98

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

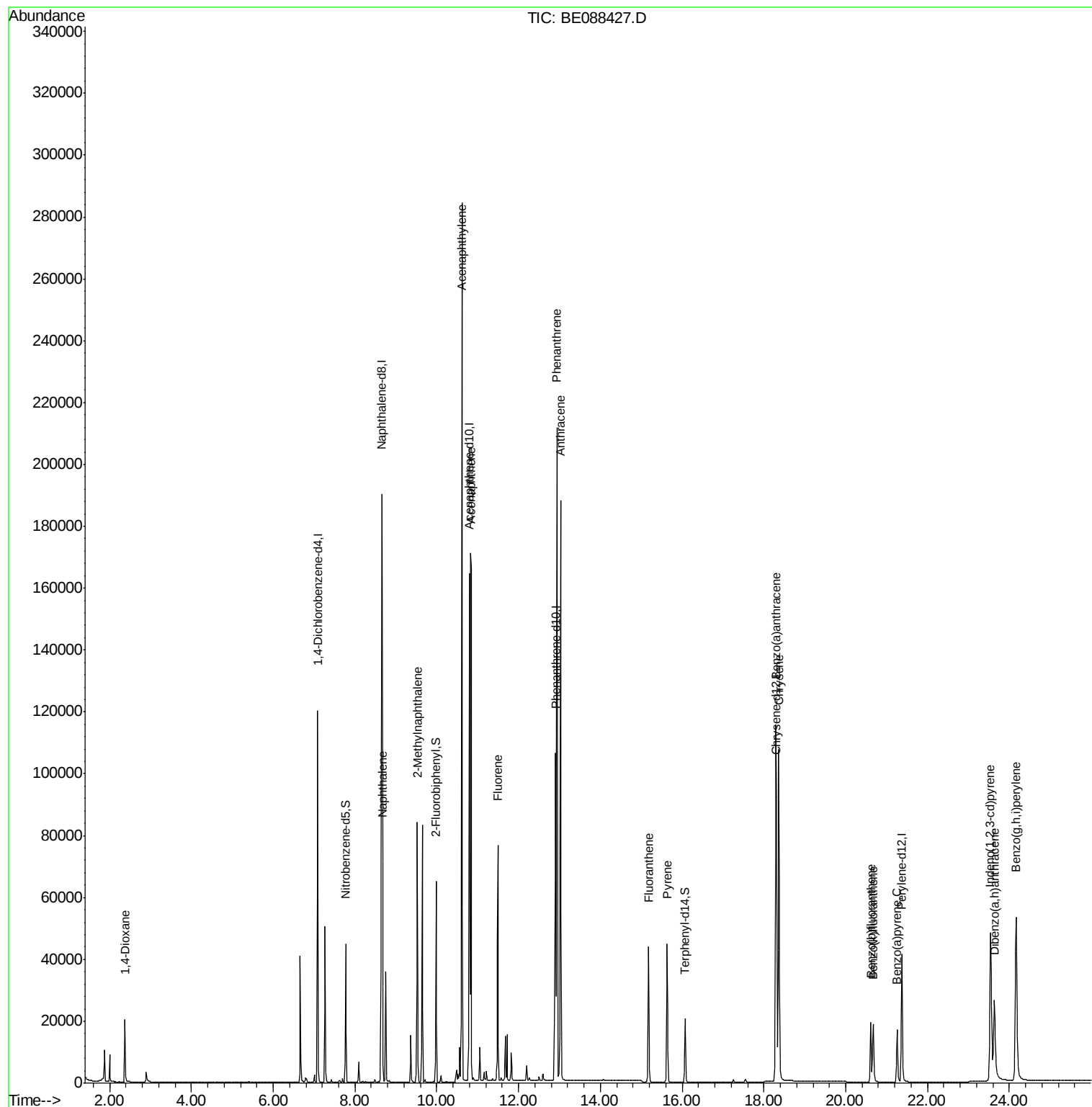
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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ALS Vial : 7 Sample Multiplier: 1

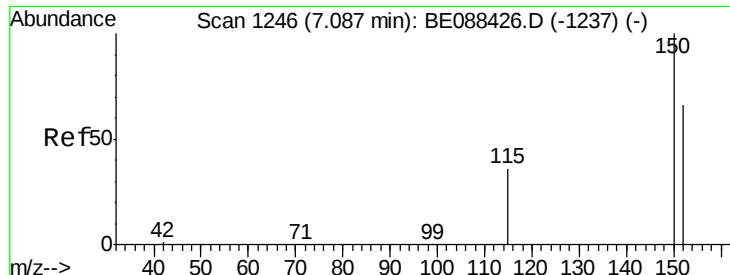
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QLast Update : Sat Nov 01 00:20:37 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088427.D

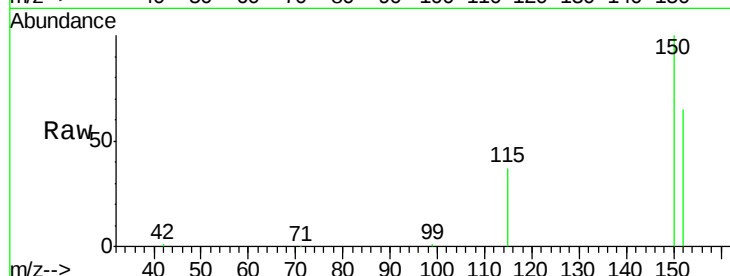
Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

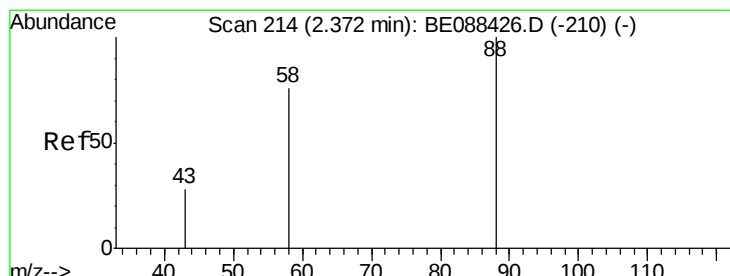
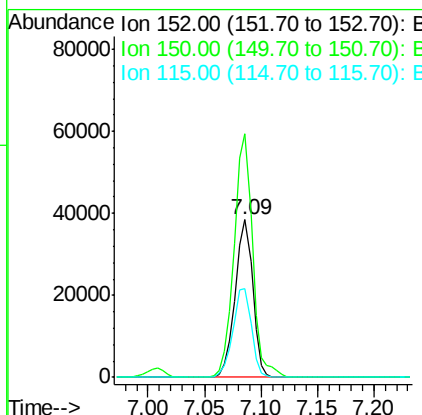
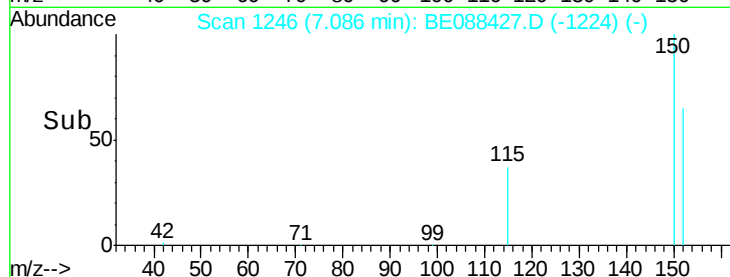
SSTDIC002



Tgt Ion:	152	Resp:	39904
Ion Ratio	Lower	Upper	
152	100		
150	154.6	121.8	182.8
115	56.8	43.9	65.9

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#2

1,4-Dioxane

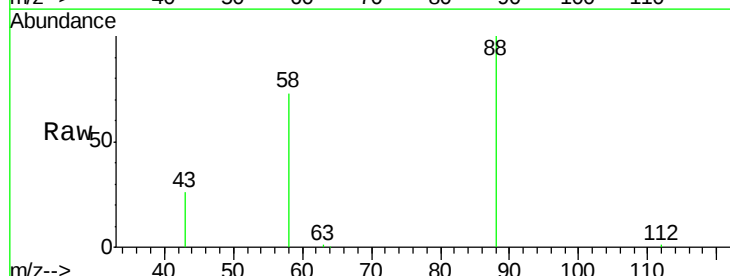
Concen: 2.07 ng

RT: 2.37 min Scan# 214

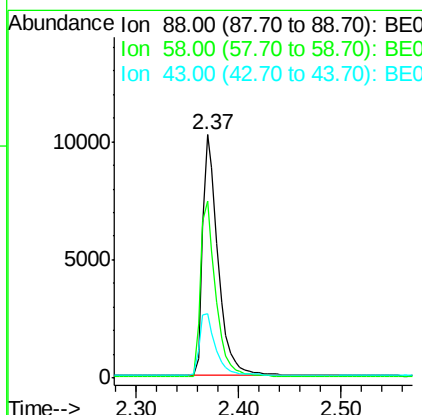
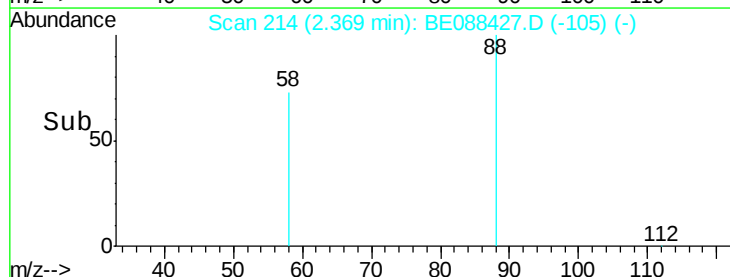
Delta R.T. -0.00 min

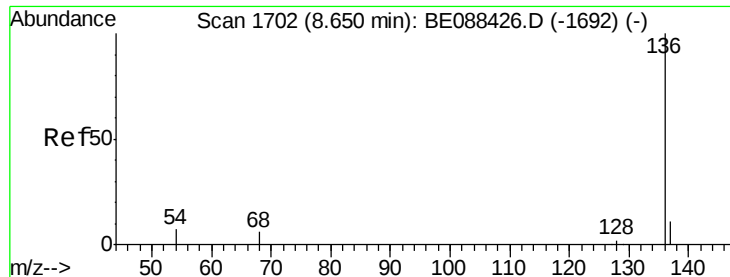
Lab File: BE088427.D

Acq: 31 Oct 2014 17:33



Tgt Ion:	88	Resp:	10796
Ion Ratio	Lower	Upper	
88	100		
58	74.5	59.1	88.7
43	26.8	21.9	32.9





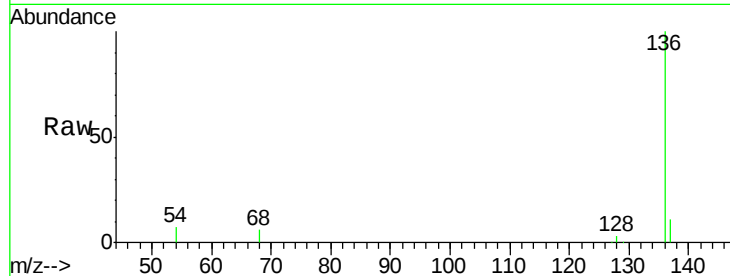
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	153929		
137	10.9	8.8	13.2	
54	6.8	5.3	7.9	

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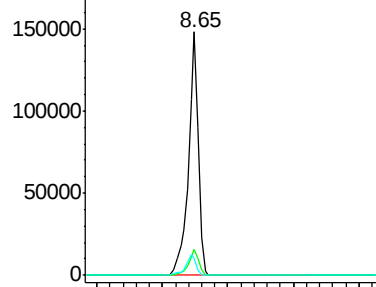
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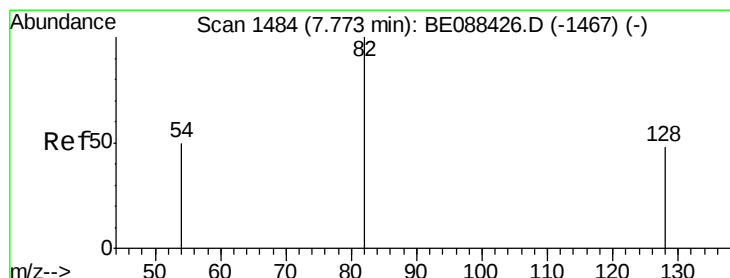
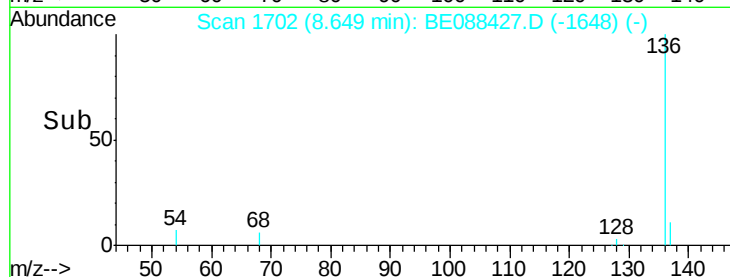
Abundance Ion 136.00 (135.70 to 136.70): BE088427.D (-1692) (-)

Ion 137.00 (136.70 to 137.70): BE088427.D (-1692) (-)

Ion 54.00 (53.70 to 54.70): BE088427.D (-1692) (-)

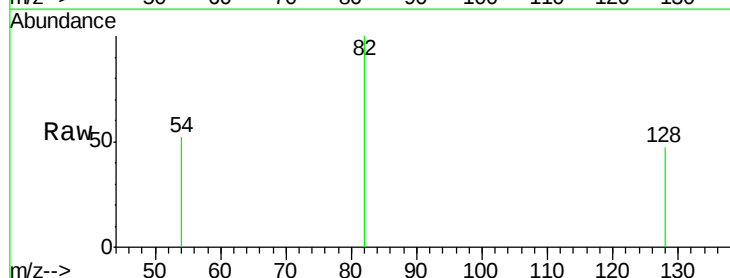


Time-->



#4
Nitrobenzene-d5
Concen: 2.10 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

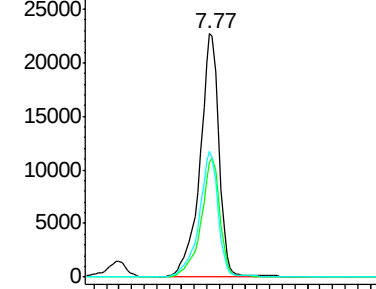
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	23633		
128	47.1	38.4	57.6	
54	51.7	40.2	60.2	



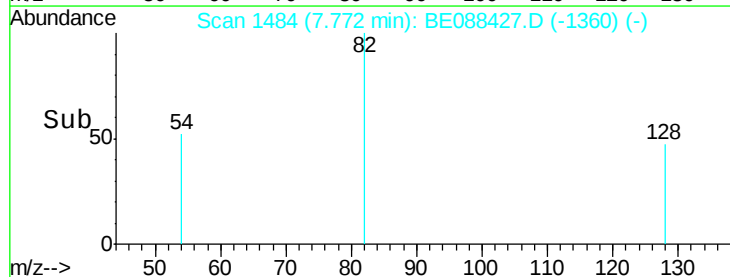
Abundance Ion 82.00 (81.70 to 82.70): BE088427.D (-1360) (-)

Ion 128.00 (127.70 to 128.70): BE088427.D (-1360) (-)

Ion 54.00 (53.70 to 54.70): BE088427.D (-1360) (-)



Time-->





#5

Naphthalene

Concen: 2.02 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

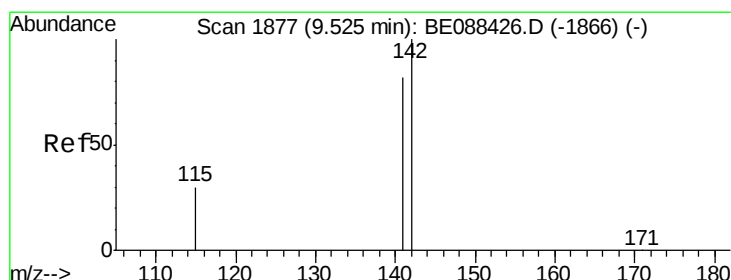
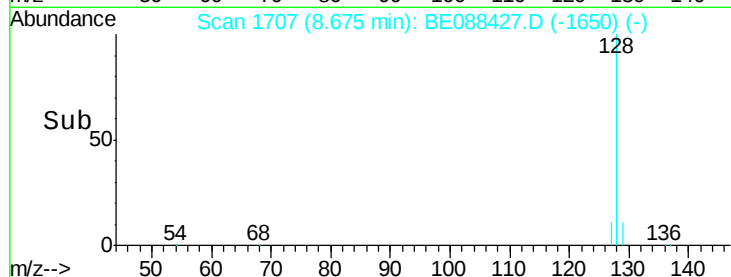
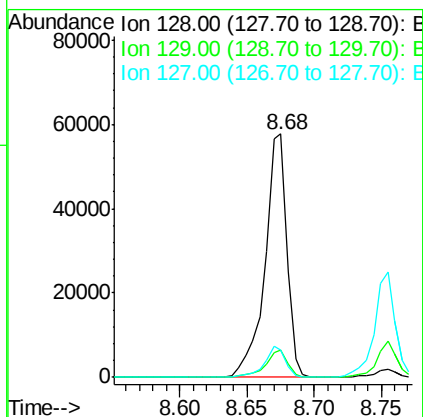
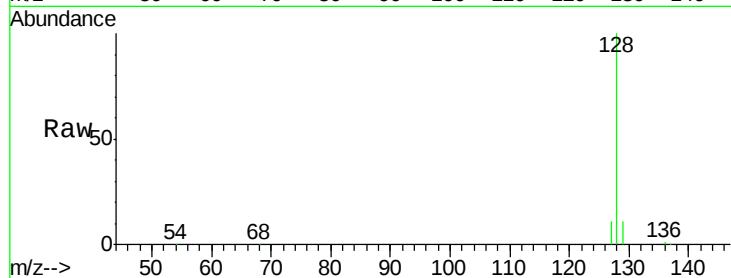
ClientSampleId :

SSTDICC002

Tgt Ion:	128	Resp:	65233
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	12.8
127	11.3	10.1	15.1

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#6

2-Methylnaphthalene

Concen: 2.06 ng

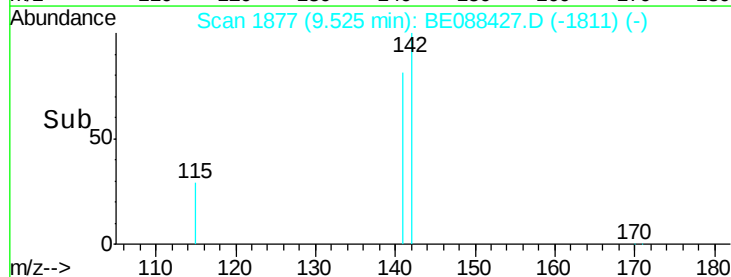
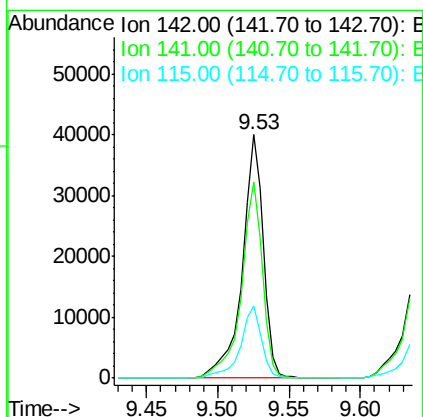
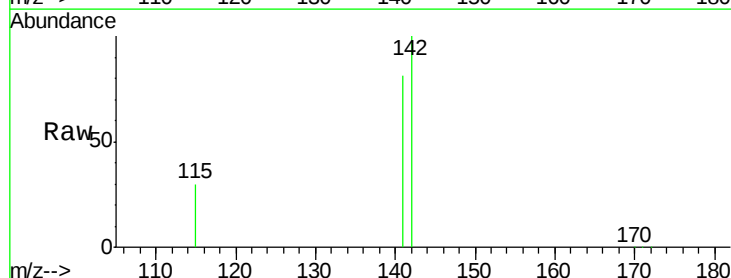
RT: 9.53 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt Ion:	142	Resp:	41118
Ion Ratio	Lower	Upper	
142	100		
141	80.8	65.8	98.8
115	29.6	24.2	36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088427.D

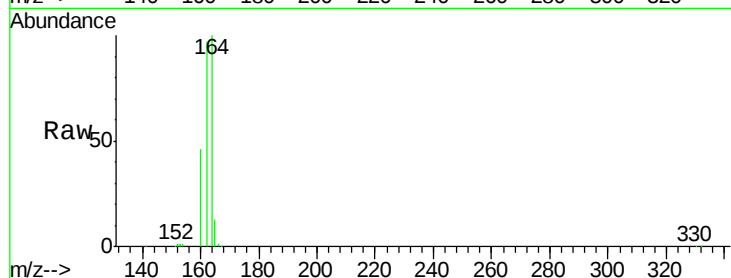
Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

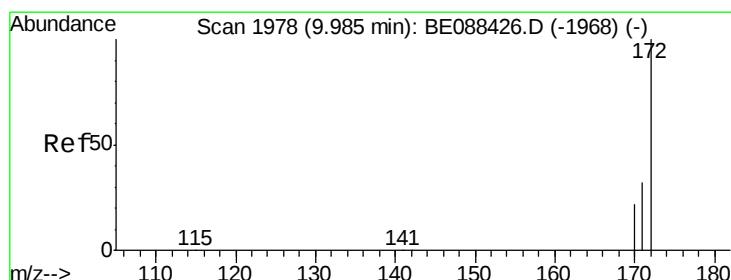
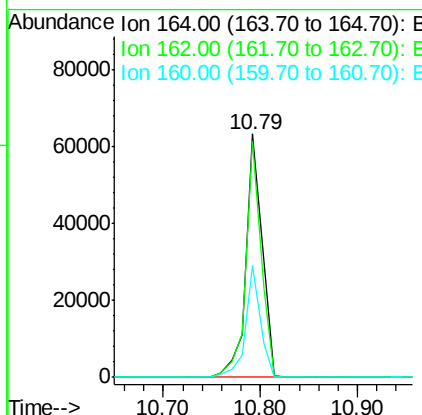
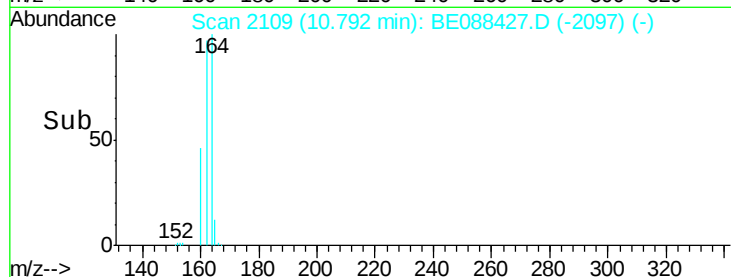
SSTDICC002



Tgt Ion:	164	Resp:	72762
Ion Ratio	Lower	Upper	
164	100		
162	96.8	77.0	115.4
160	46.0	36.8	55.2

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#8

2-Fluorobiphenyl

Concen: 2.03 ng

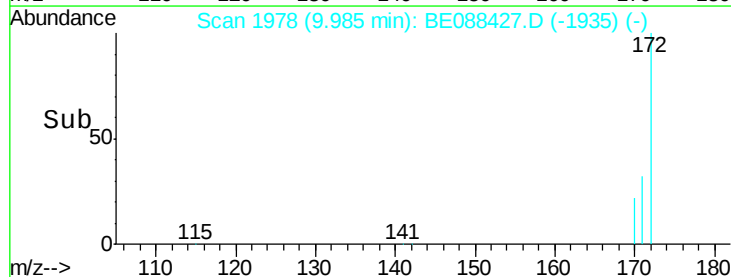
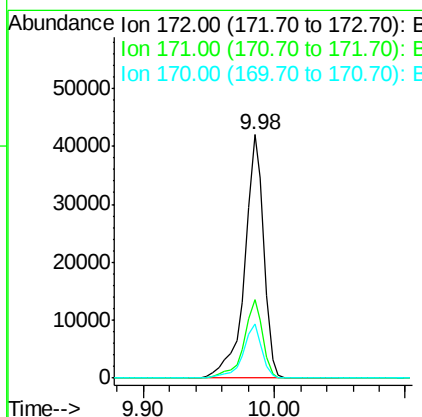
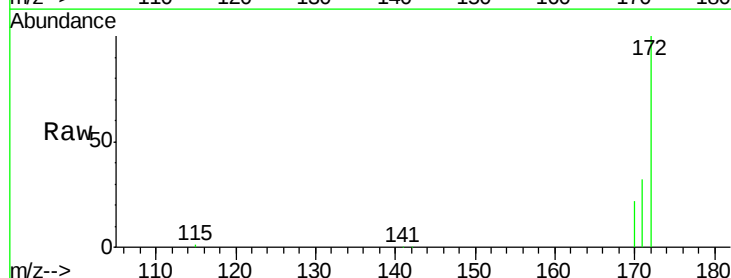
RT: 9.98 min Scan# 1978

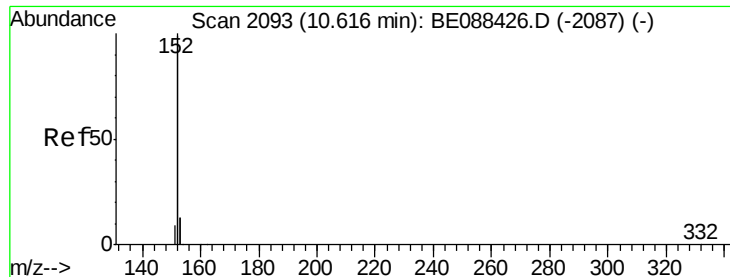
Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt Ion:	172	Resp:	41990
Ion Ratio	Lower	Upper	
172	100		
171	32.3	26.0	39.0
170	22.2	17.6	26.4





#9

Acenaphthylene

Concen: 2.01 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

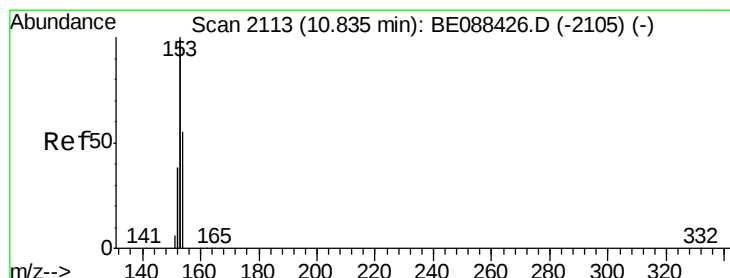
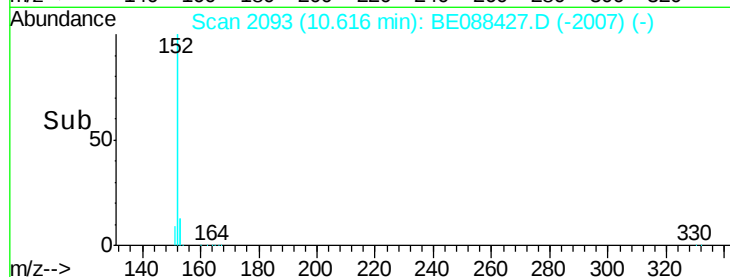
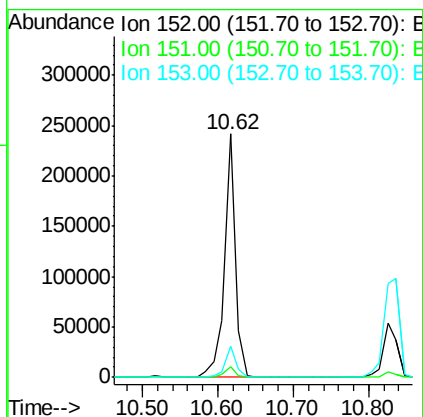
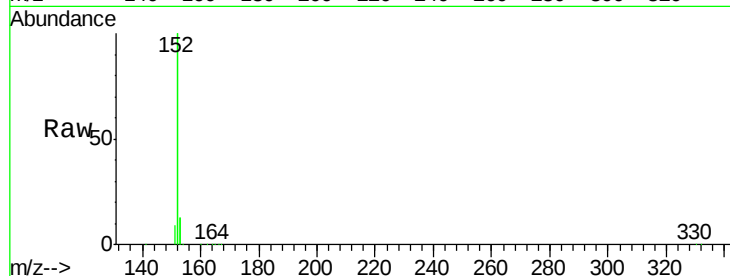
ClientSampleId :

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Tgt	Ion	152	Resp:	240580
Ion	Ratio	Lower	Upper	
152	100			
151	4.6	4.4	6.6	
153	13.0	10.5	15.7	

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#10

Acenaphthene

Concen: 1.96 ng

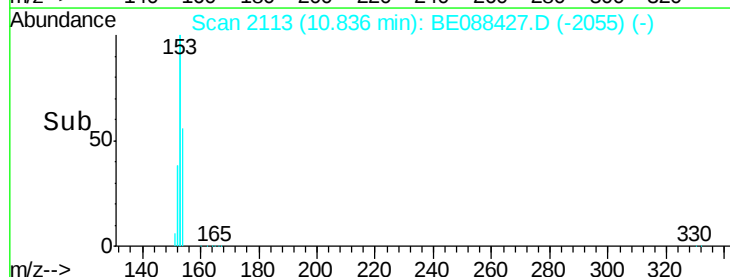
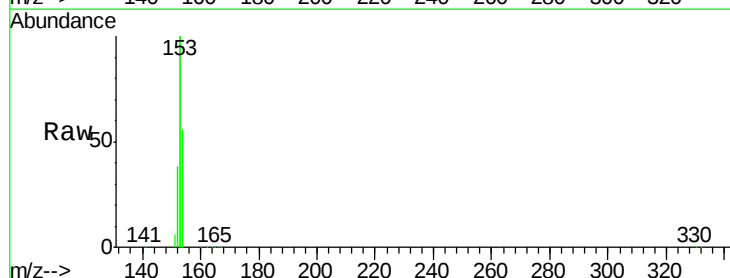
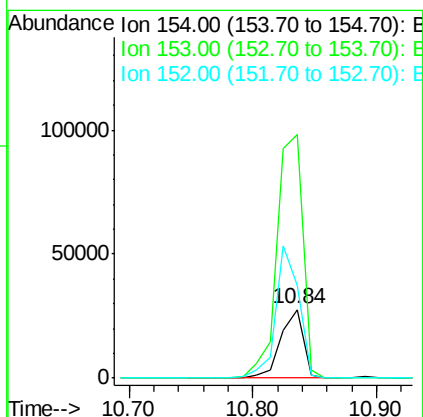
RT: 10.84 min Scan# 2113

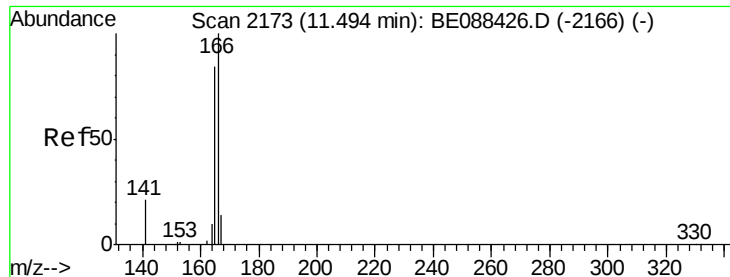
Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt	Ion	154	Resp:	34839
Ion	Ratio	Lower	Upper	
154	100			
153	406.6	324.3	486.5	
152	196.0	154.9	232.3	





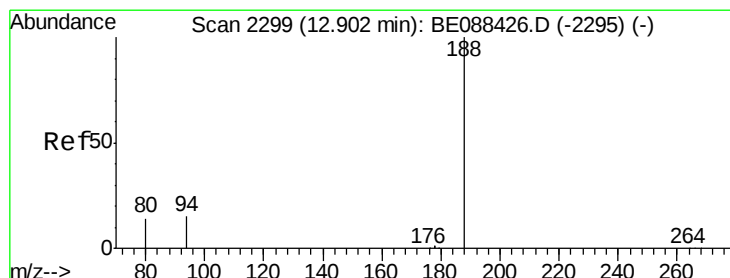
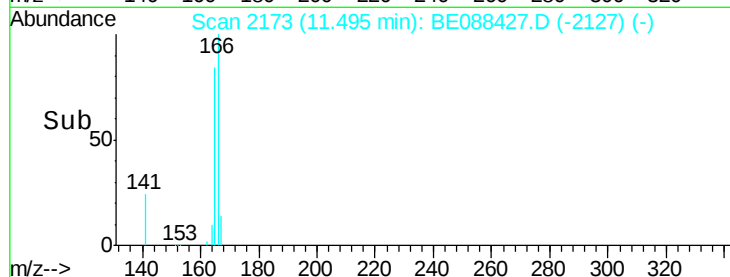
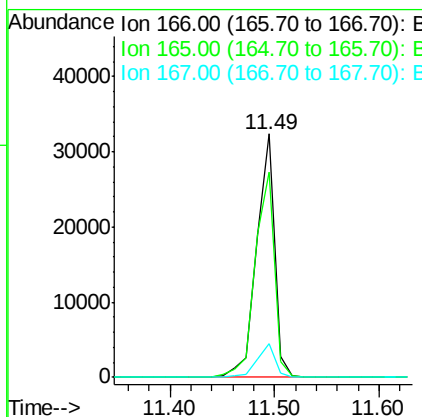
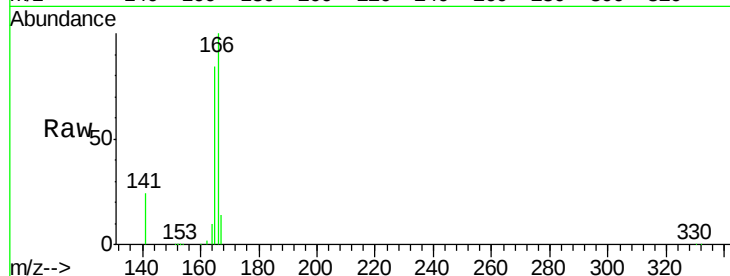
#11
Fluorene
 Concen: 2.04 ng
 RT: 11.49 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

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 SSTDICC002

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.3	106.9
167	13.6	10.7	16.1

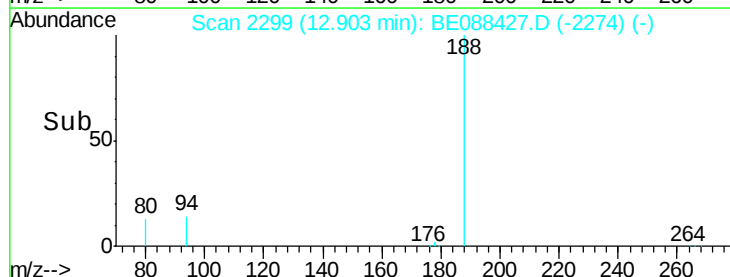
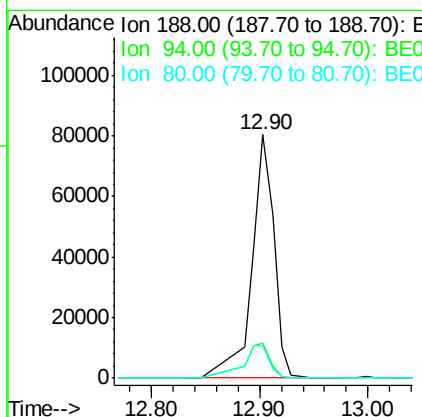
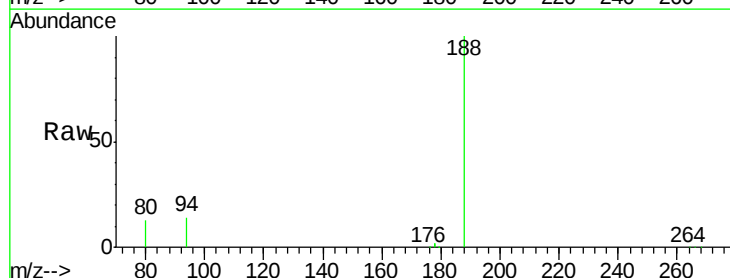
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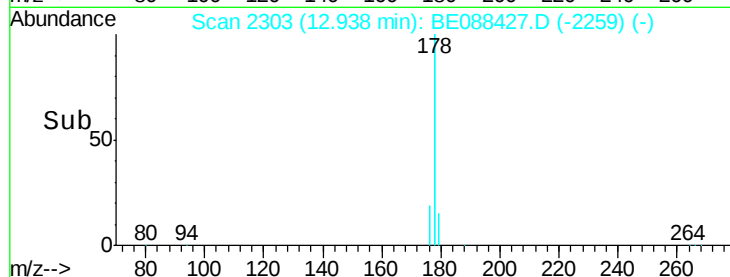
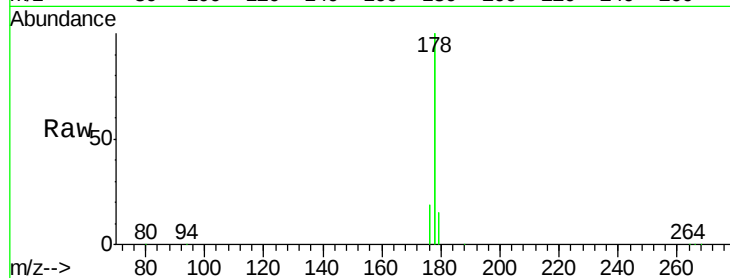
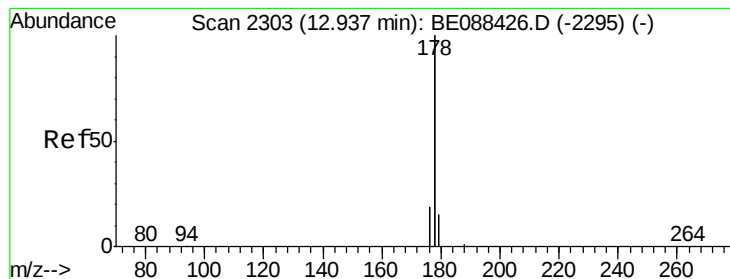
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	14.4	11.8	17.8
80	13.3	10.9	16.3





#13

Phenanthrene

Concen: 1.96 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt Ion:	178	Resp:	274456
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	15.5	12.8	19.2

Instrument :

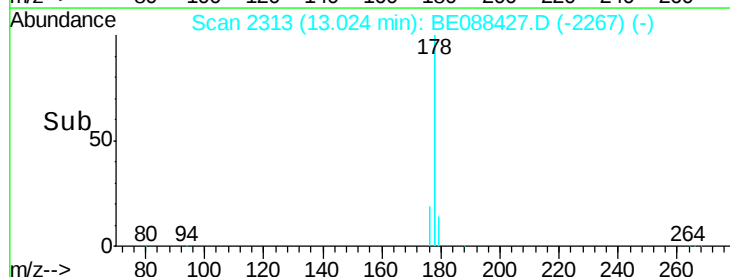
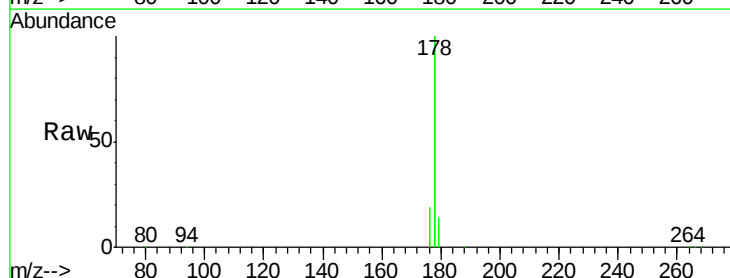
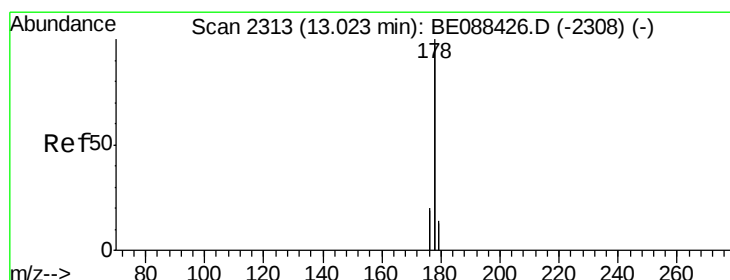
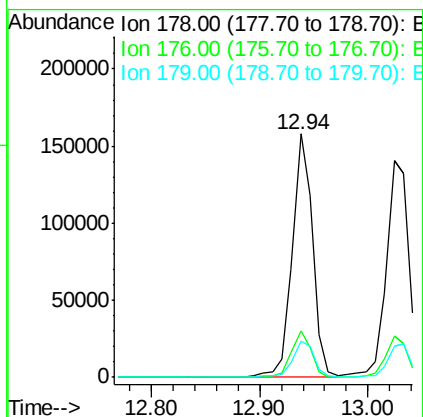
BNA_E

ClientSampleId :

SSTDICC002

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#14

Anthracene

Concen: 2.01 ng

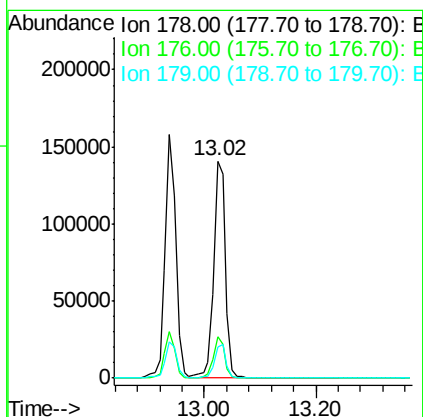
RT: 13.02 min Scan# 2313

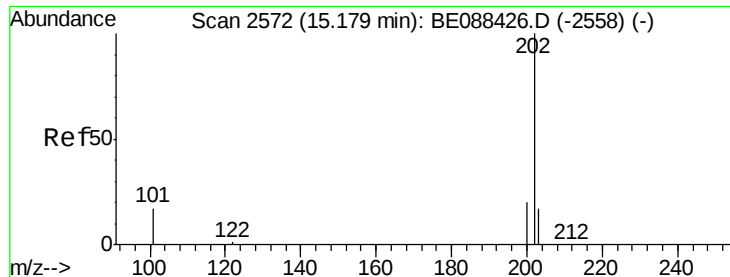
Delta R.T. 0.00 min

Lab File: BE088427.D

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Tgt Ion:	178	Resp:	205313
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.4
179	15.4	12.5	18.7





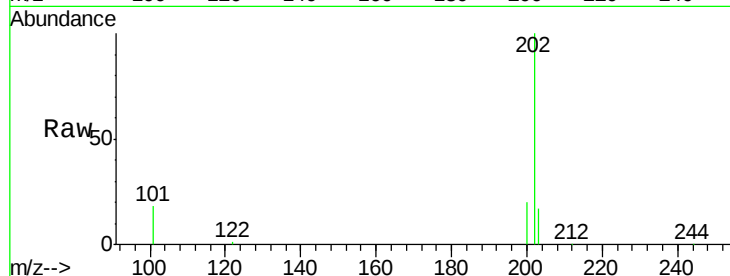
#15
 Fluoranthene
 Concen: 2.09 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

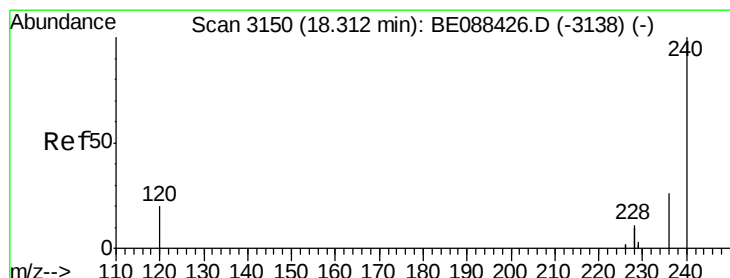
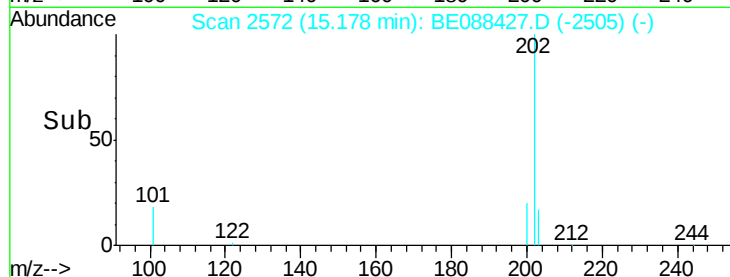
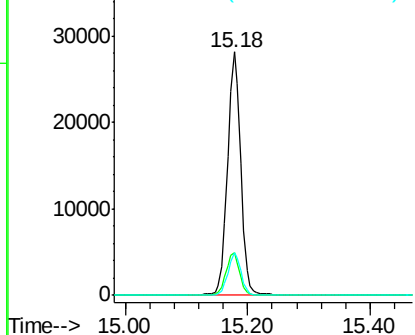
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.7	14.3	21.5
203	17.1	13.6	20.4

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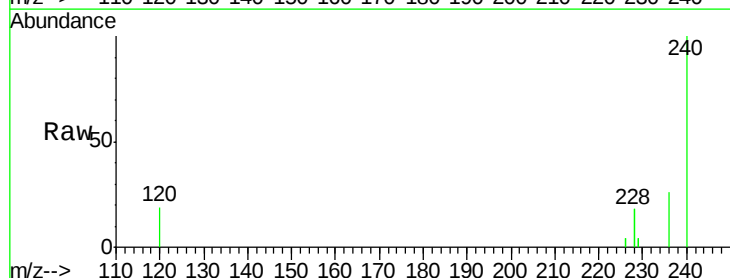


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

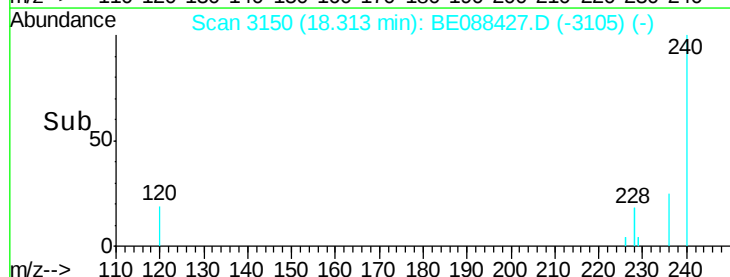
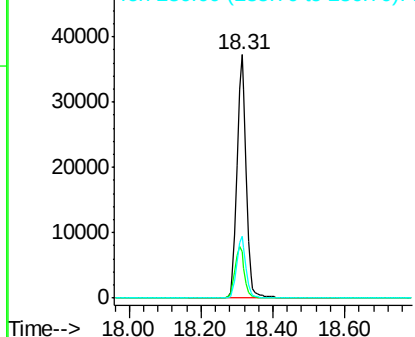


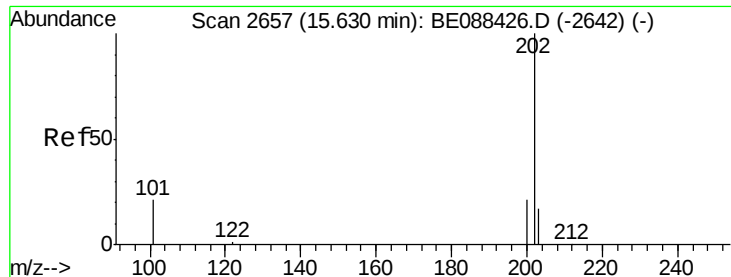
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.4	16.4	24.6
236	25.5	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





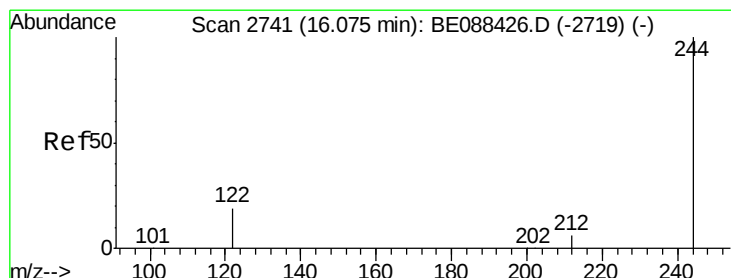
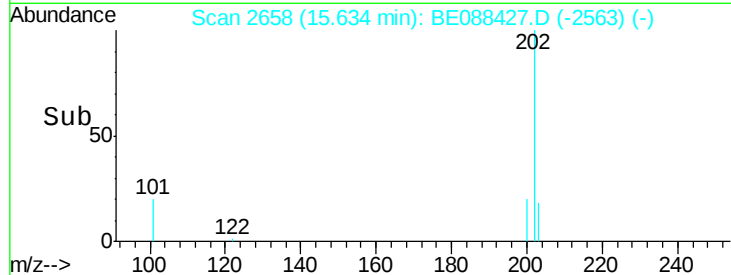
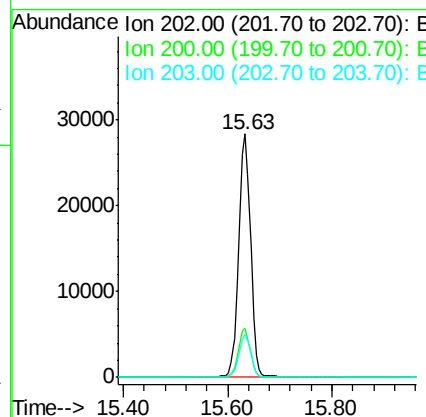
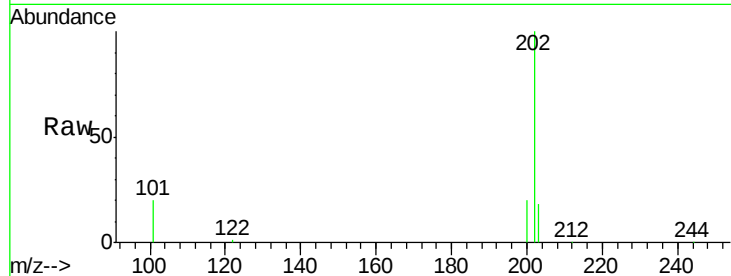
#17
Pyrene
Concen: 2.07 ng
RT: 15.63 min Scan# 2658
Delta R.T. 0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	44882		
200	20.1	16.1	24.1	
203	17.4	13.8	20.8	

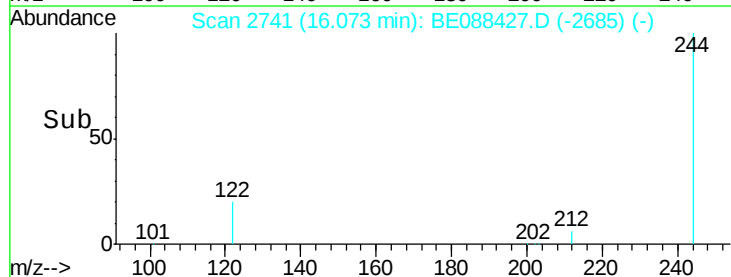
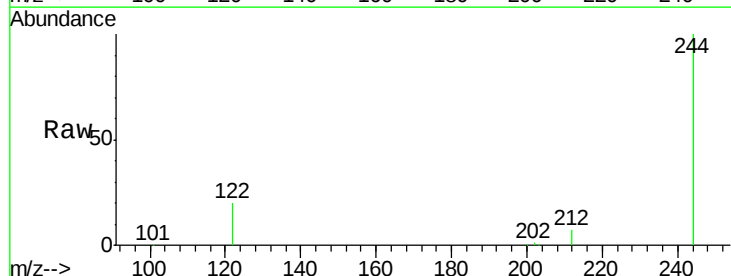
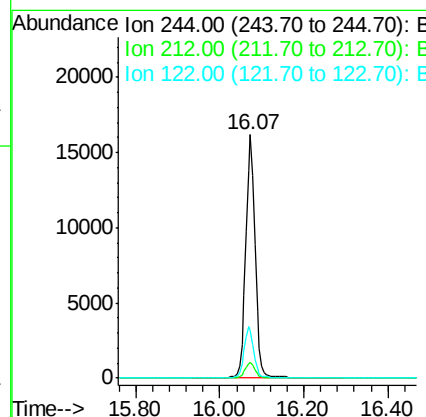
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#18
Terphenyl-d14
Concen: 2.07 ng
RT: 16.07 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	25196		
212	6.6	5.5	8.3	
122	19.9	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 2.01 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088427.D

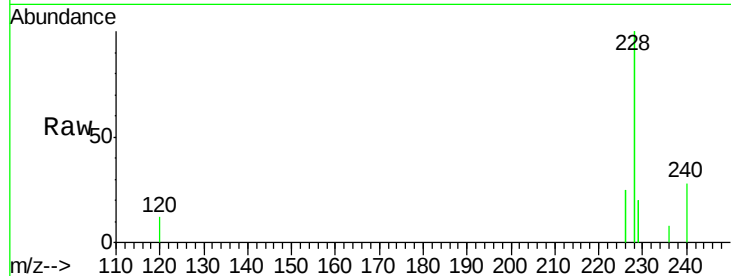
Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

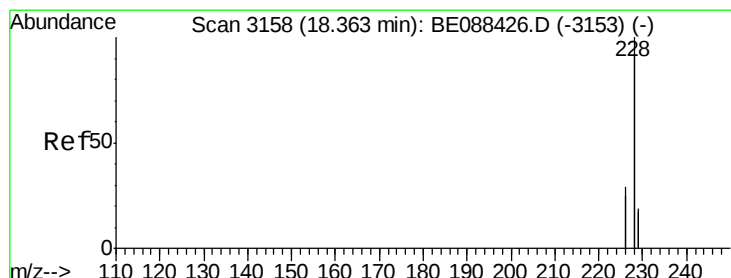
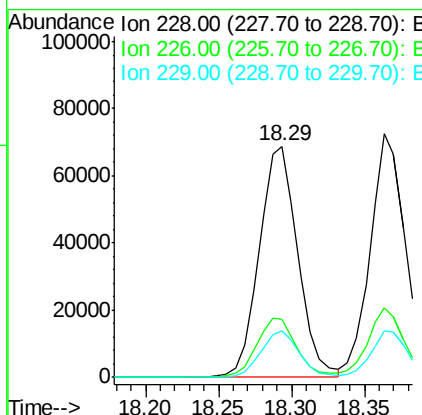
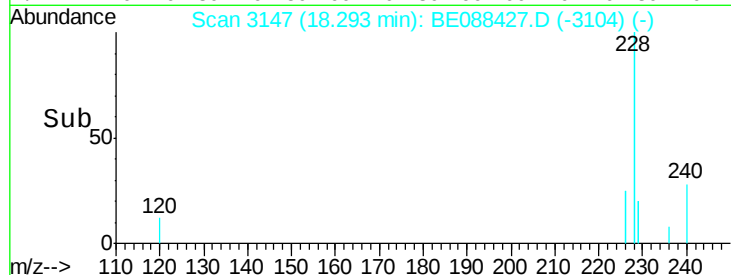
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Tgt	Ion	Ratio	Lower	Upper
228	100			
226	24.9	19.8	29.6	
229	20.0	16.0	24.0	

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#20

Chrysene

Concen: 2.04 ng

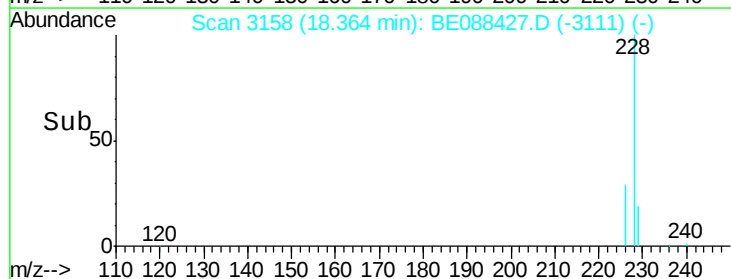
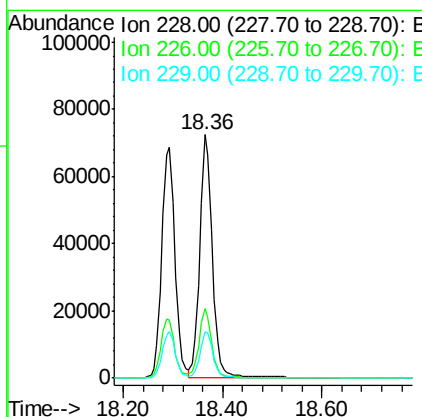
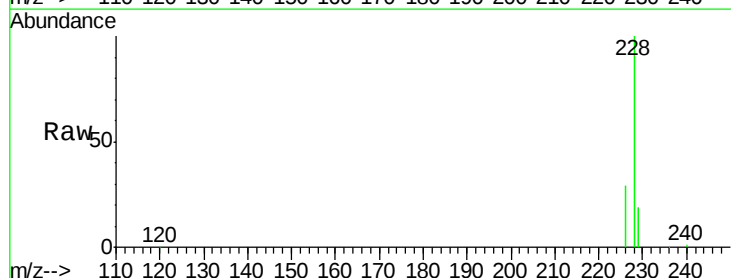
RT: 18.36 min Scan# 3158

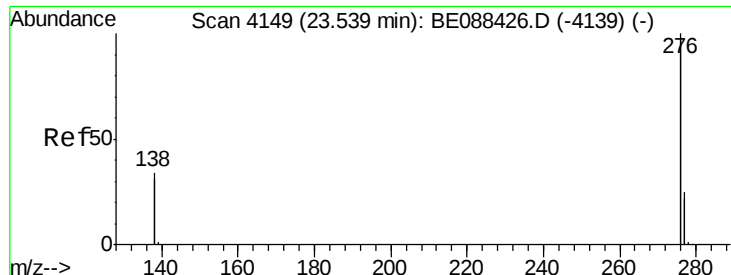
Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	28.7	23.6	35.4	
229	19.1	15.4	23.2	





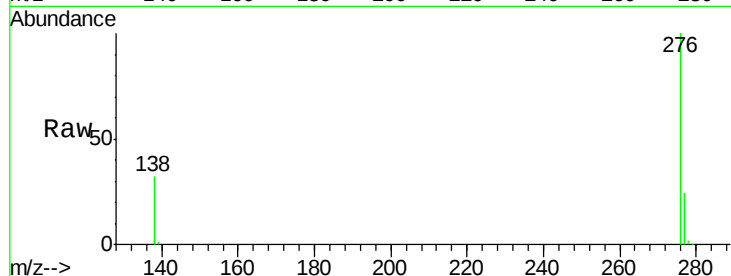
#21
 Indeno(1,2,3-cd)pyrene
 Concen: 2.01 ng m
 RT: 23.55 min Scan# 4150
 Delta R.T. 0.01 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	116988		
138	24.4	20.2	30.2	
277	18.1	14.8	22.2	

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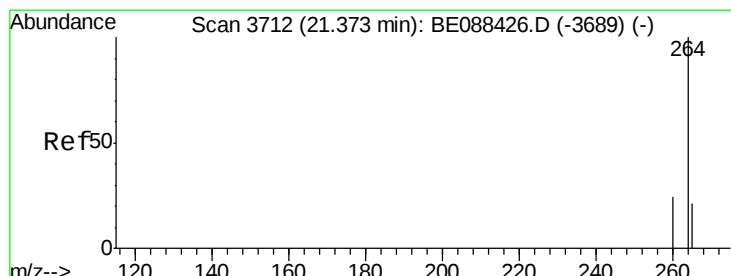
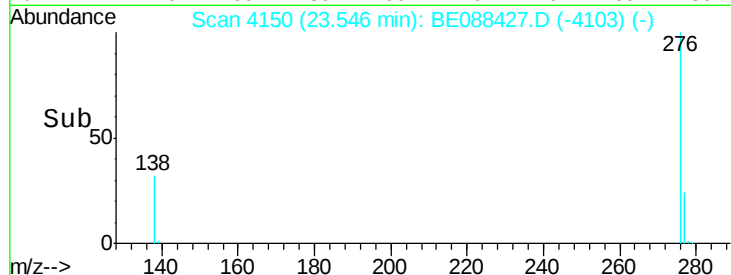
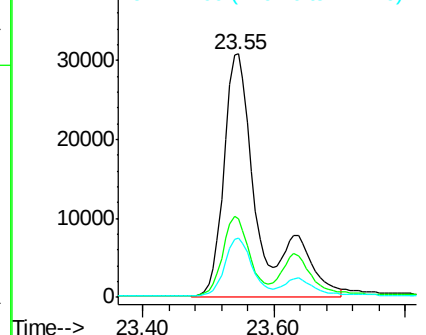


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3712
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

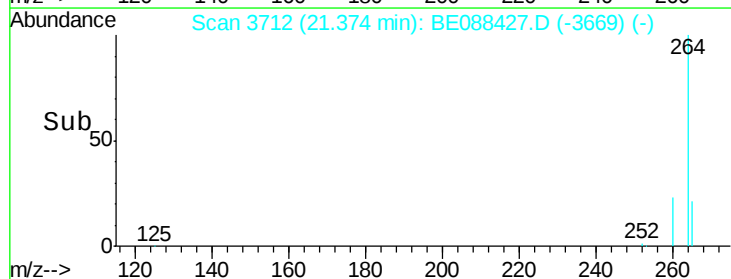
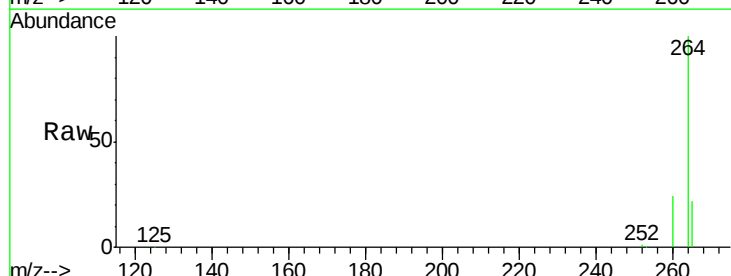
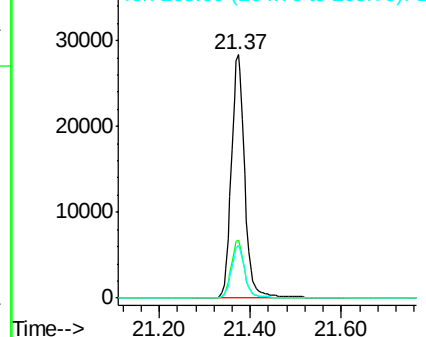
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	57510		
260	23.6	18.9	28.3	
265	21.6	17.2	25.8	

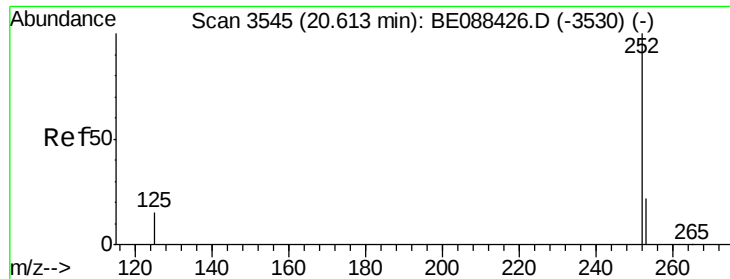
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





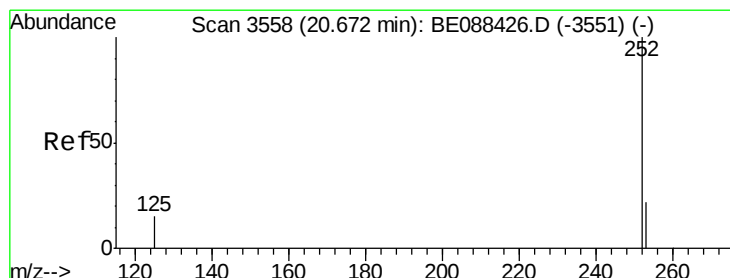
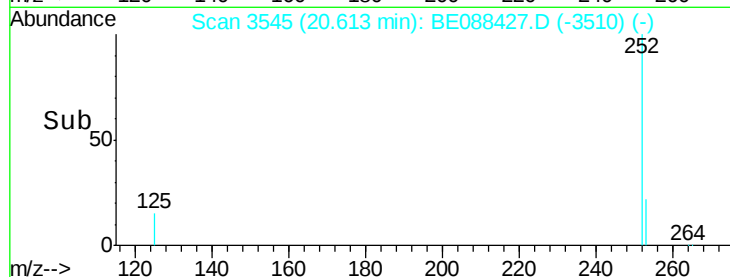
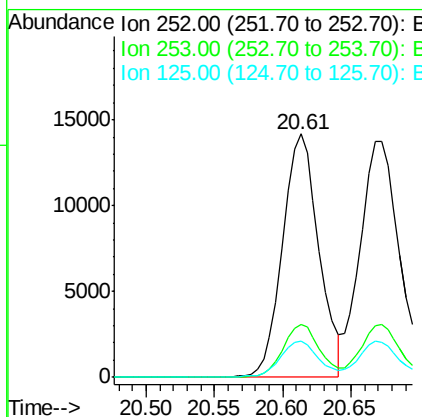
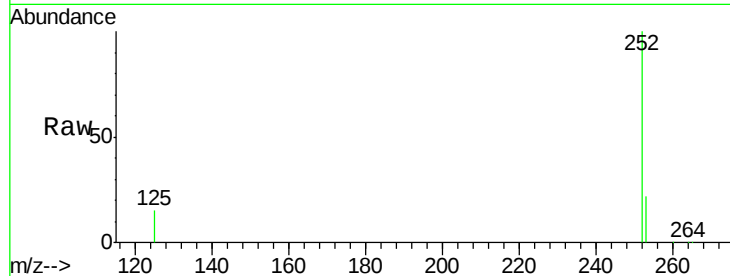
#23
Benzo(b)fluoranthene
Concen: 2.07 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Instrument :
BNA_E
ClientSampleId :
SSTDIC002

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	15.1	12.3	18.5

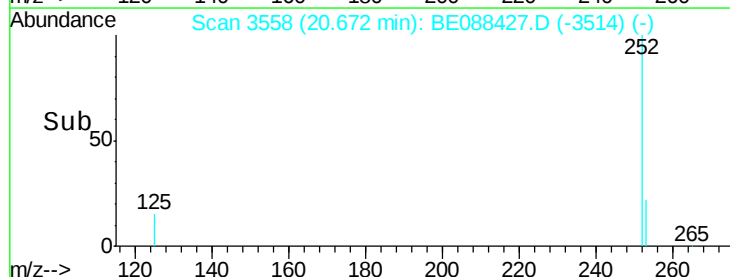
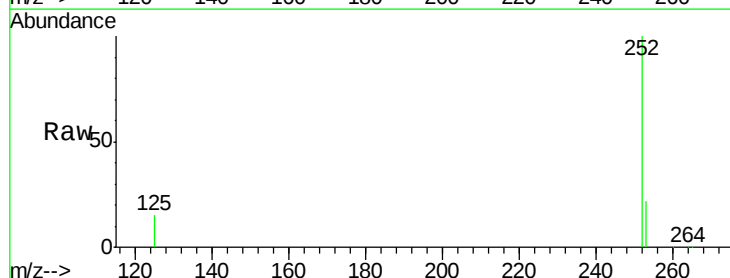
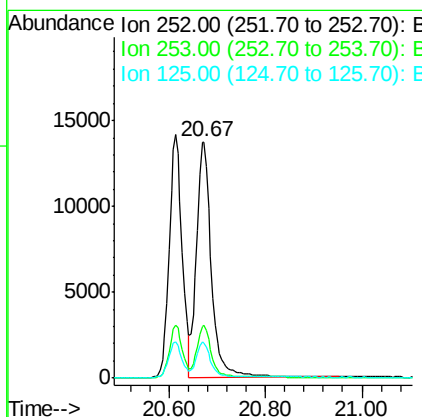
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#24
Benzo(k)fluoranthene
Concen: 2.10 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	15.0	12.2	18.4





#25

Benzo(a)pyrene

Concen: 2.08 ng

RT: 21.26 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BE088427.D

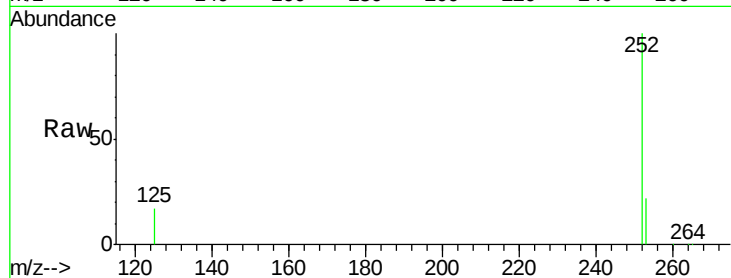
Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

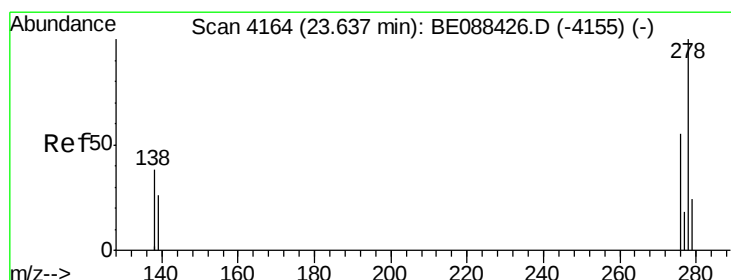
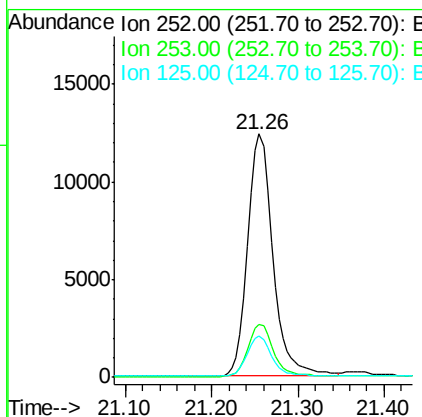
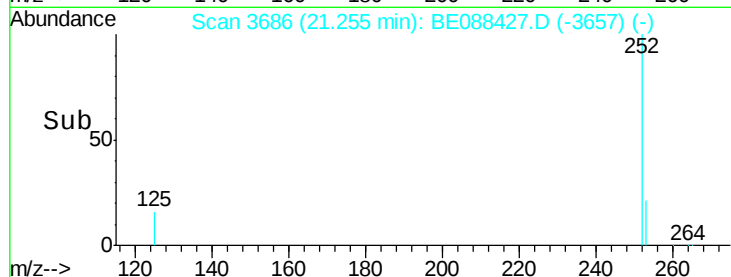
SSTDICC002



Tgt Ion:	252	Resp:	24985
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.4
125	16.8	13.7	20.5

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#26

Dibenzo(a,h)anthracene

Concen: 2.05 ng

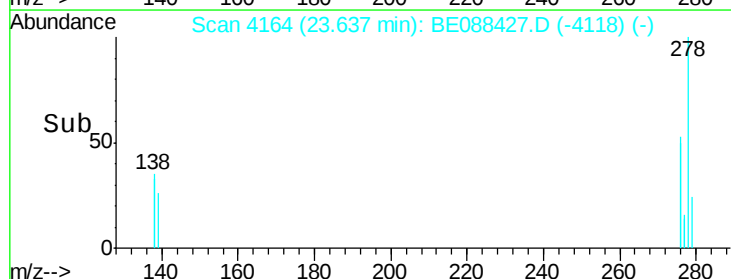
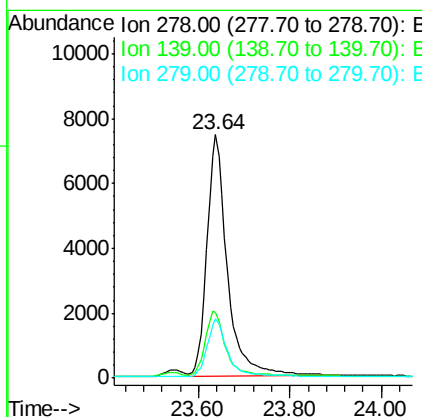
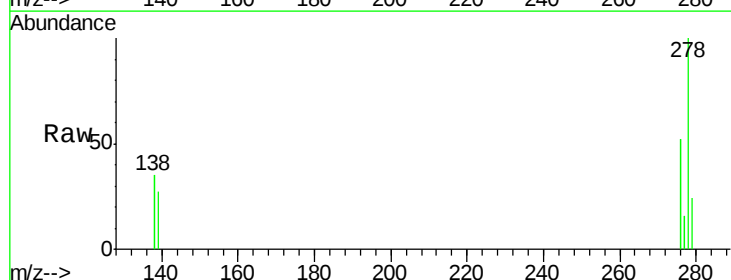
RT: 23.64 min Scan# 4164

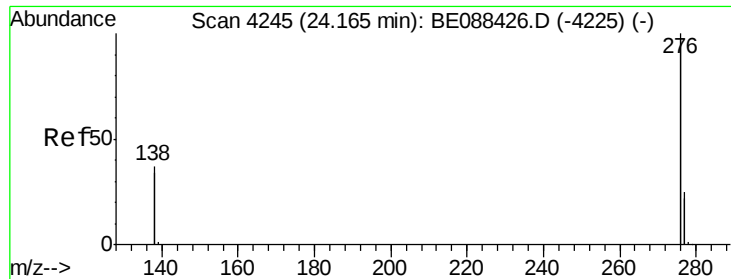
Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Tgt Ion:	278	Resp:	22922
Ion Ratio	Lower	Upper	
278	100		
139	27.0	22.1	33.1
279	24.4	19.7	29.5





#27
 Benzo(g,h,i)perylene
 Concen: 2.00 ng
 RT: 24.17 min Scan# 4245
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt	Ion	276	Resp:	103389
Ion	Ratio	Lower	Upper	
276	100			
277	24.0	19.8	29.6	
138	35.2	29.3	43.9	

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