

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
 Data File : BE092110.D
 Acq On : 2 Aug 2016 14:05
 Operator : UM/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Manual Integrations
 APPROVED

Sohil
 8/3/2016 8:39:03 AM

Quant Time: Aug 02 15:45:59 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 13:43:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	11780	5.00	ng	0.00
6) Naphthalene-d8	10.98	136	54725	5.00	ng	-0.01
10) Acenaphthene-d10	14.85	164	31521	5.00	ng	0.00
16) Phenanthrene-d10	17.56	188	70165	5.00	ng	-0.02
22) Chrysene-d12	21.75	240	86767	5.00	ng	0.00
28) Perylene-d12	24.14	264	86557	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.69	112	4616	1.20	ng	0.00
5) Phenol-d6	7.34	99	6151	1.33	ng	-0.01
7) Nitrobenzene-d5	9.34	82	6243	1.33	ng	-0.01
11) 2,4,6-Tribromophenol	16.33	330	1674m	0.73	ng	0.00
12) 2-Fluorobiphenyl	13.46	172	15480	1.27	ng	0.00
24) Terphenyl-d14	20.19	244	19825	1.50	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.45	88	2437	1.43	ng	95
3) n-Nitrosodimethylamine	3.79	42	3323	1.54	ng	# 97
8) Naphthalene	11.03	128	18973	1.50	ng	96
9) 2-Methylnaphthalene	12.65	142	12369	1.46	ng	97
13) Acenaphthylene	14.56	152	87970	1.26	ng	98
14) Acenaphthene	14.90	154	13360	1.39	ng	# 90
15) Fluorene	15.88	166	17335	1.20	ng	100
17) Hexachlorobenzene	16.89	284	5119	2.18	ng	# 60
18) Pentachlorophenol	17.24	266	1685	3.92	ng	# 83
19) Phenanthrene	17.60	178	30778	1.63	ng	98
20) Anthracene	17.70	178	29225	2.09	ng	99
21) Fluoranthene	19.63	202	129593	2.36	ng	97
23) Pvrene	19.99	202	139305	1.41	ng	99
25) Benzo(a)anthracene	21.72	228	146075	6.23	ng	95
26) Chrysene	21.77	228	145715	7.06	ng	# 83
27) Indeno(1,2,3-cd)pyrene	26.63	276	160647	1.75	ng	100
29) Benzo(b)fluoranthene	23.40	252	34799	1.45	ng	98
30) Benzo(k)fluoranthene	23.45	252	37358	1.52	ng	95
31) Benzo(a)pvrene	24.02	252	33635	1.51	ng	96
32) Dibenzo(a,h)anthracene	26.67	278	32755	1.58	ng	# 93
33) Benzo(g,h,i)perylene	27.42	276	137855	1.58	ng	# 94

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

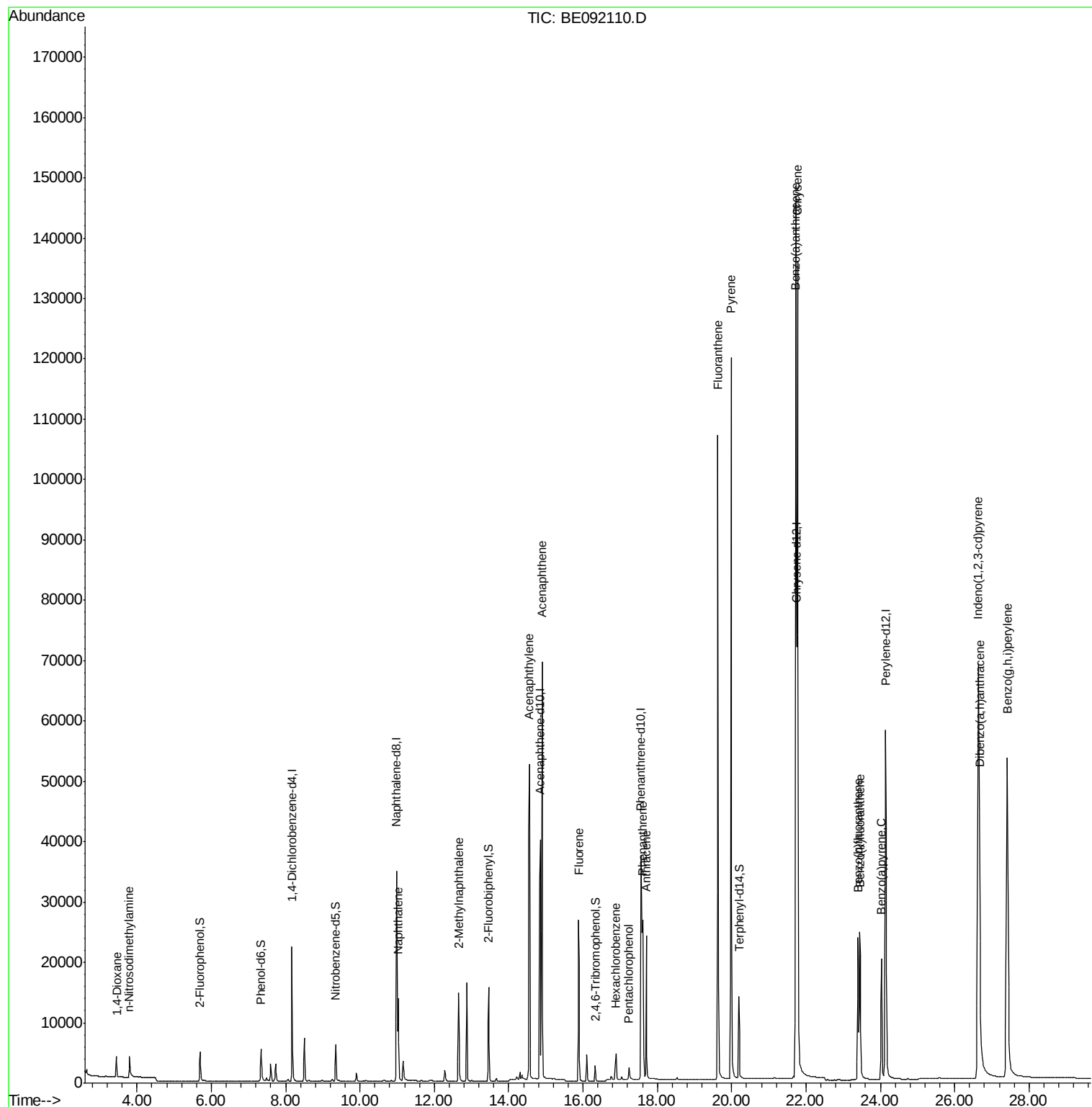
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080216\
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ALS Vial : 7 Sample Multiplier: 1

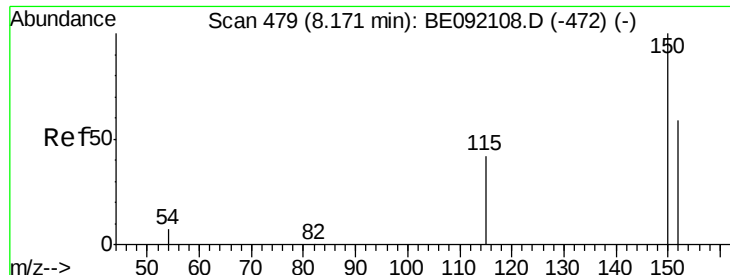
Instrument :
BNA_E
ClientSampleId :
SSTDIC1.6

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8/3/2016 8:39:03 AM

Quant Time: Aug 02 15:45:59 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-PAH-BE080216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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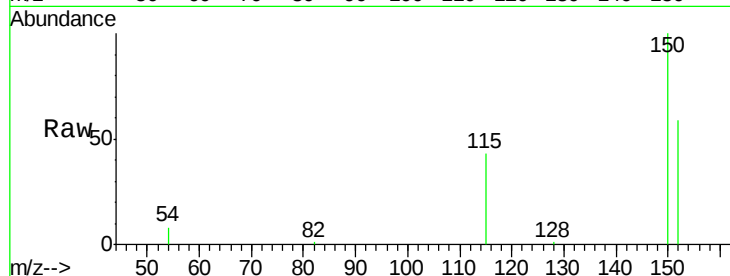
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.17 min Scan# 479
 Delta R.T. -0.00 min
 Lab File: BE092110.D
 Acq: 2 Aug 2016 14:05

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

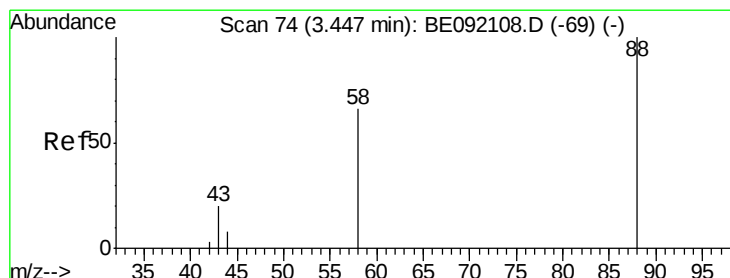
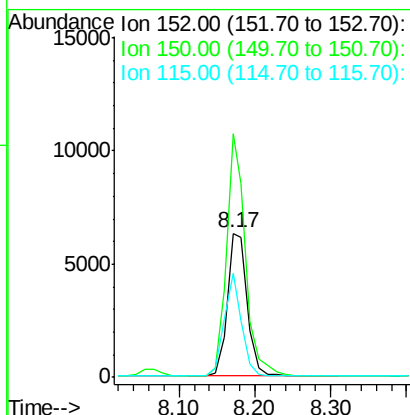
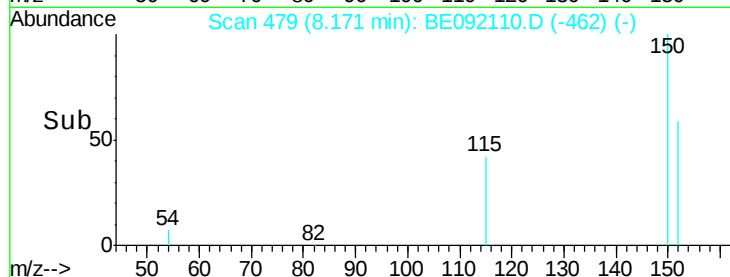
Tot Ion	Ratio	Lower	Upper
152	100		
150	168.9	106.0	159.0#
115	72.1	36.9	55.3#

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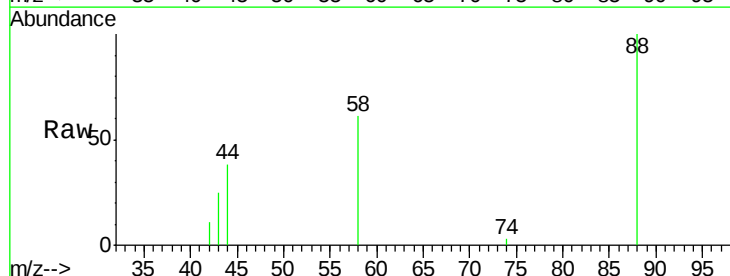


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

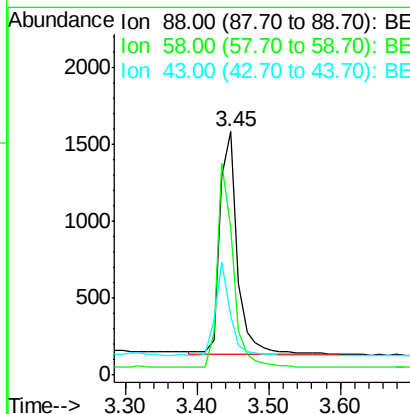
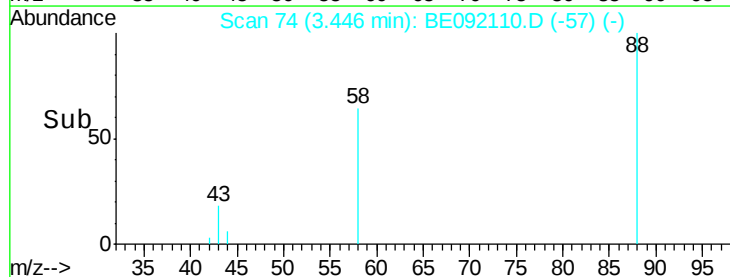


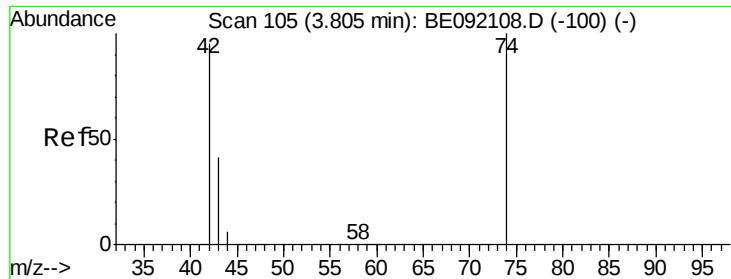
#2
 1,4-Dioxane
 Concen: 1.43 ng
 RT: 3.45 min Scan# 74
 Delta R.T. -0.00 min
 Lab File: BE092110.D
 Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	82.9	62.1	93.1
43	35.9	27.2	40.8



Abundance Ion 88.00 (87.70 to 88.70): BE0
 Ion 58.00 (57.70 to 58.70): BE0
 Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.54 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.01 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

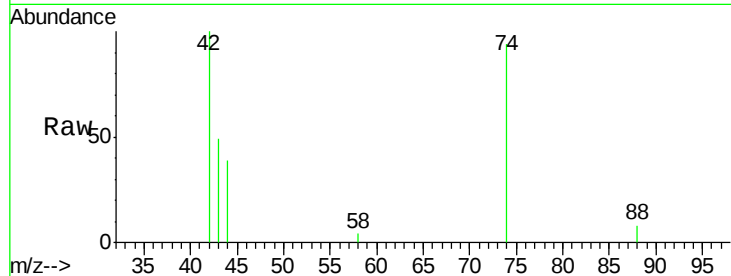
ClientSampleId :

SSTDICC1.6

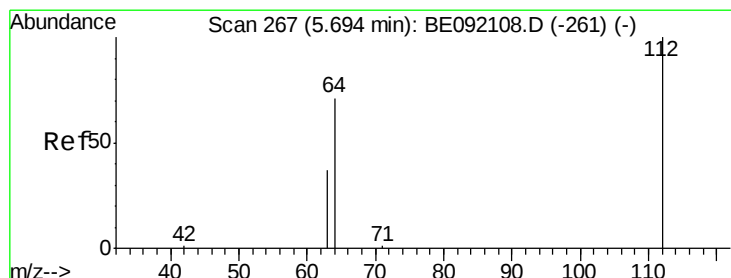
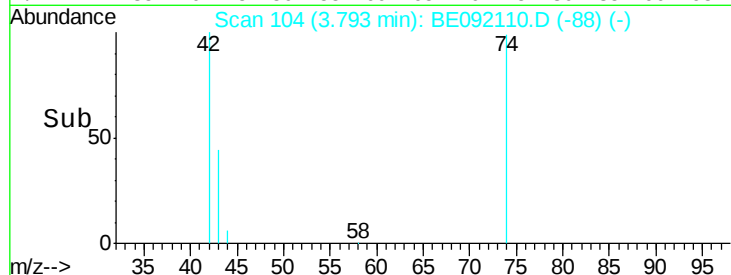
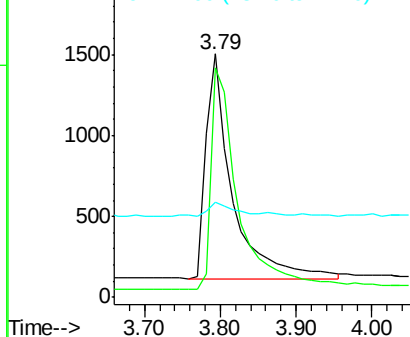
Tot Ion:	42	Resp:	3323
Ion	Ratio	Lower	Upper
42	100		
74	102.1	82.8	124.2
44	6.0	9.0	13.4#

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Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 1.20 ng

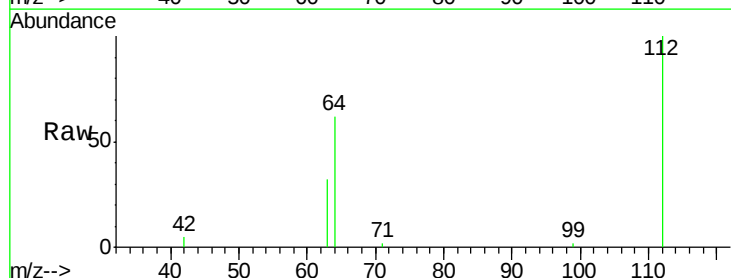
RT: 5.69 min Scan# 267

Delta R.T. -0.00 min

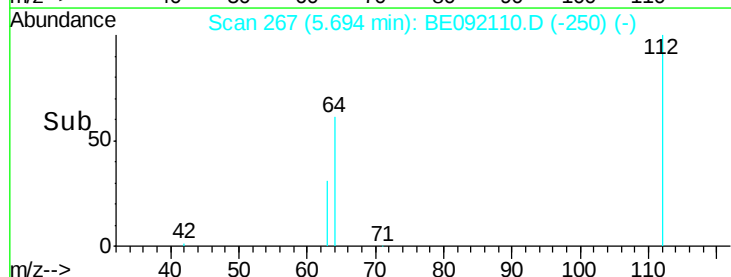
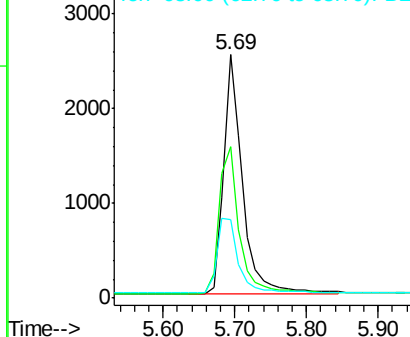
Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	112	Resp:	4616
Ion	Ratio	Lower	Upper
112	100		
64	65.8	55.9	83.9
63	36.0	31.1	46.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.33 ng

RT: 7.34 min Scan# 409

Delta R.T. -0.01 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

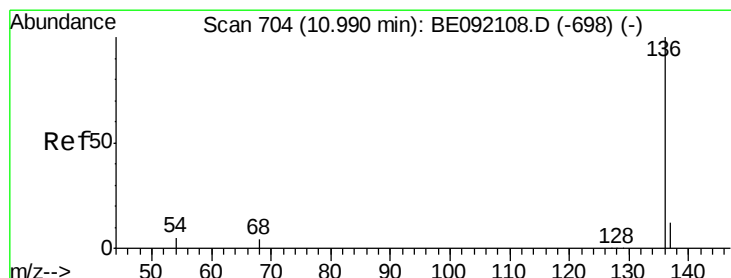
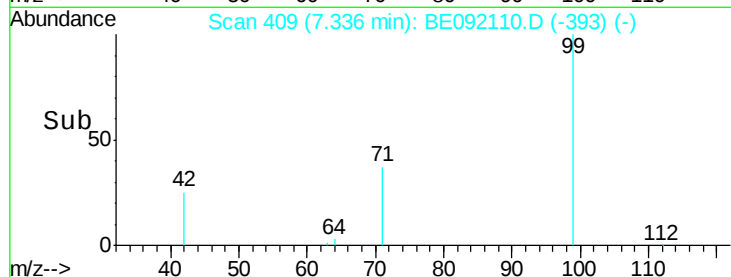
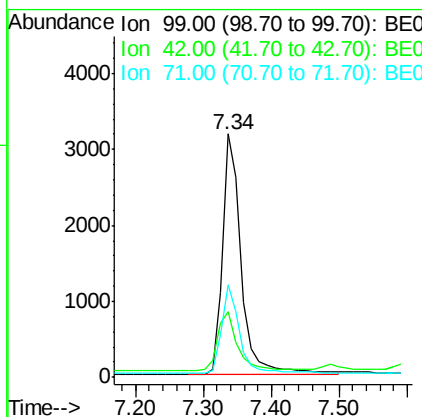
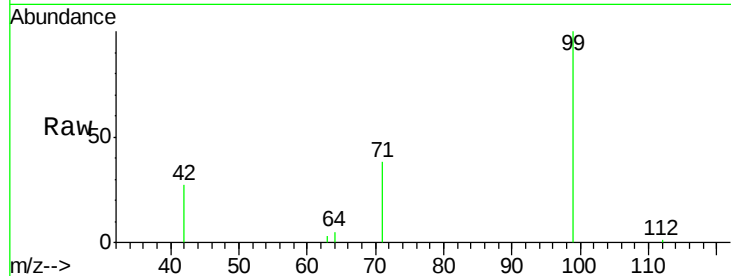
ClientSampleId :

SSTDICC1.6

Tot Ion:	99	Resp:	6151
Ion	Ratio	Lower	Upper
99	100		
42	25.8	22.4	33.6
71	35.9	28.9	43.3

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#6

Naphthalene-d8

Concen: 5.00 ng

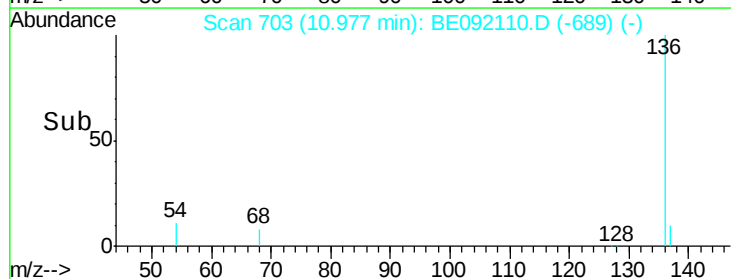
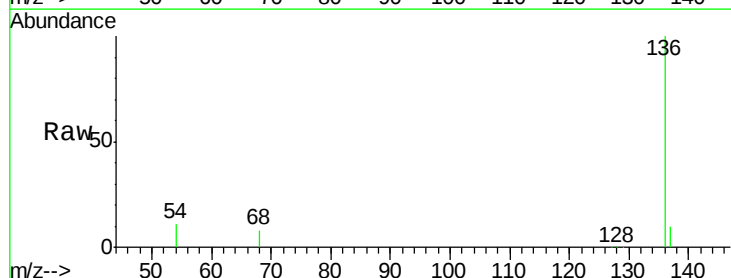
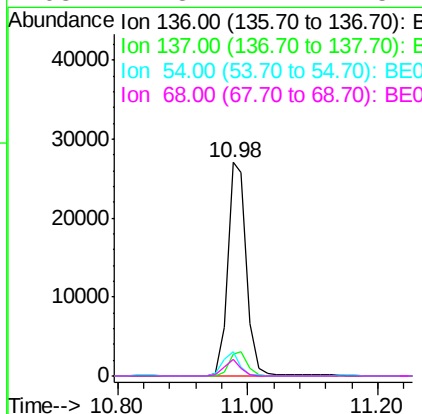
RT: 10.98 min Scan# 703

Delta R.T. -0.01 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	136	Resp:	54725
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.1	13.7
54	11.3	2.7	4.1#
68	7.8	2.2	3.4#





#7

Nitrobenzene-d5

Concen: 1.33 ng

RT: 9.34 min Scan# 580

Delta R.T. -0.01 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

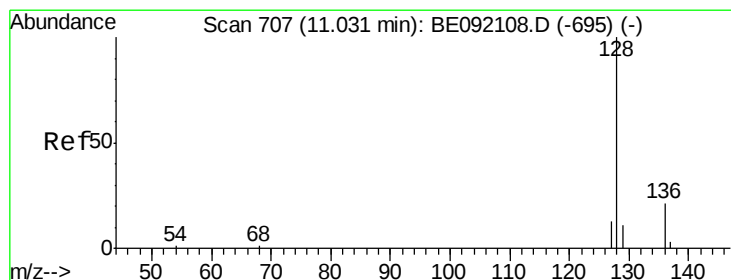
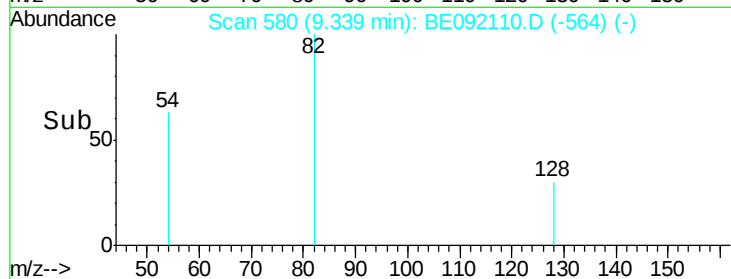
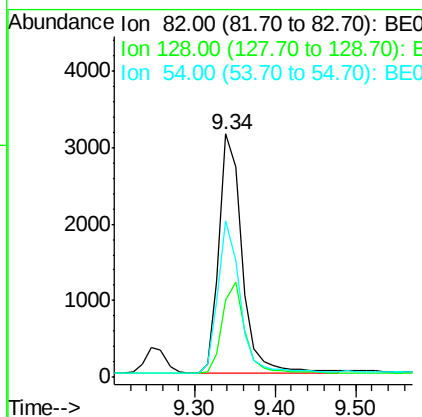
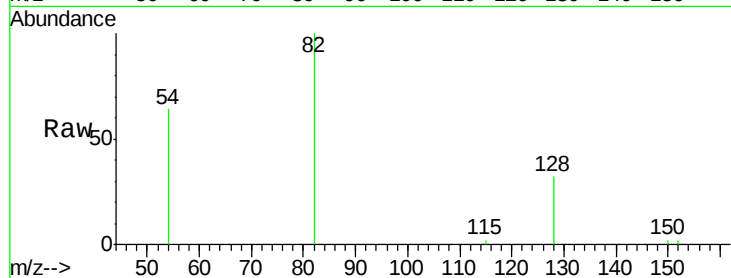
ClientSampleId :

SSTDICC1.6

Tot Ion:	82	Resp:	6243
Ion Ratio	Lower	Upper	
82	100		
128	31.7	33.0	49.4#
54	64.1	42.6	63.8#

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#8

Naphthalene

Concen: 1.50 ng

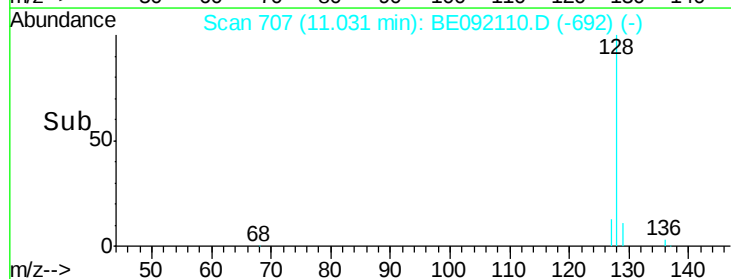
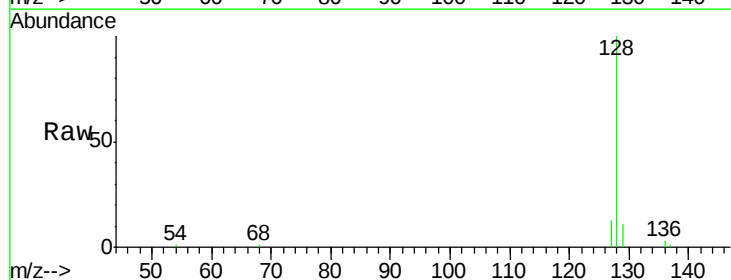
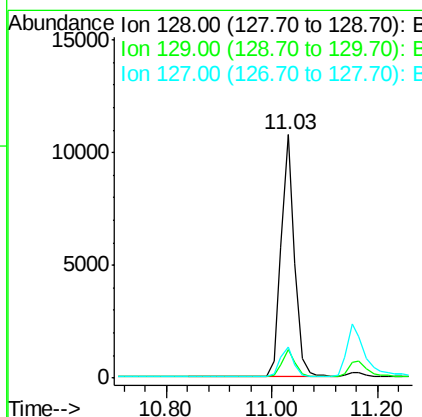
RT: 11.03 min Scan# 707

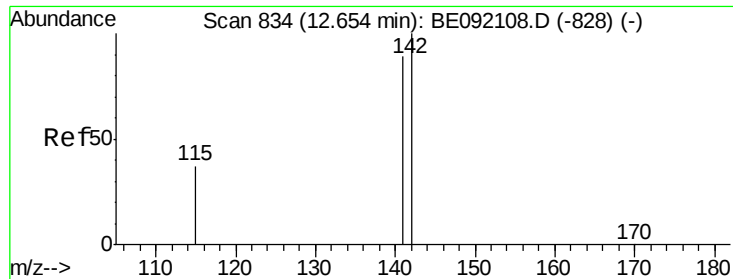
Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	128	Resp:	18973
Ion Ratio	Lower	Upper	
128	100		
129	11.5	11.1	16.7
127	13.0	11.3	16.9





#9

2-Methylnaphthalene

Concen: 1.46 ng

RT: 12.65 min Scan# 834

Delta R.T. -0.00 min

Lab File: BE092110.D

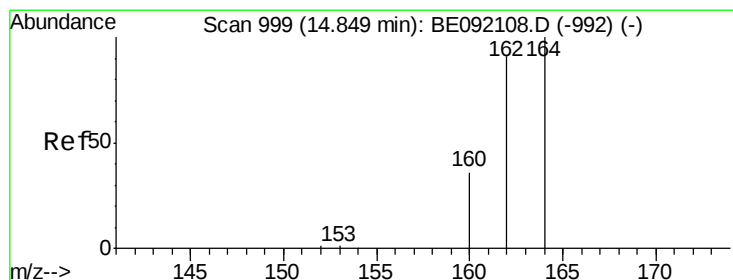
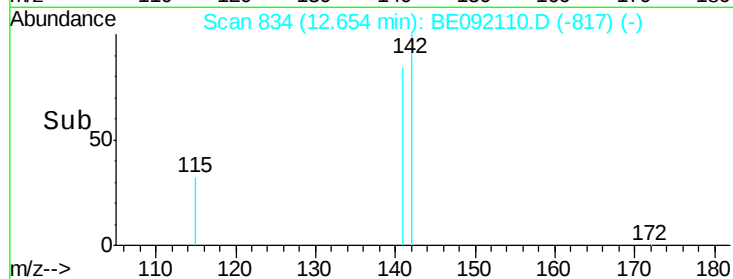
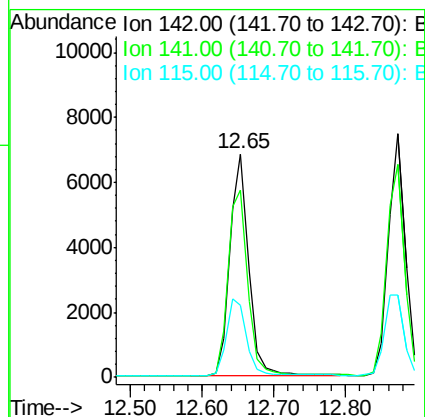
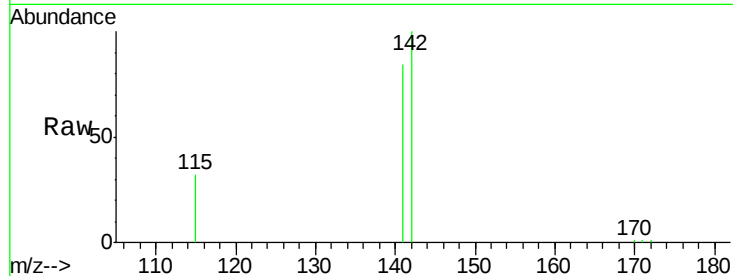
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.7	65.1	97.7
115	32.3	27.0	40.4

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#10

Acenaphthene-d10

Concen: 5.00 ng

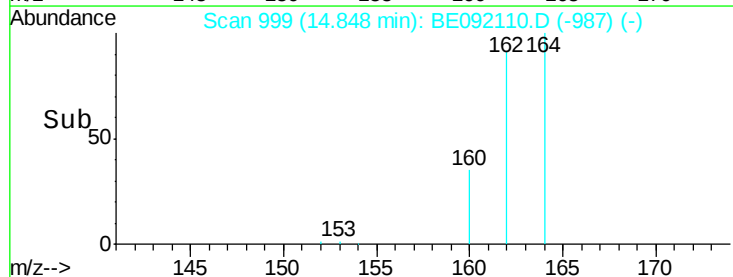
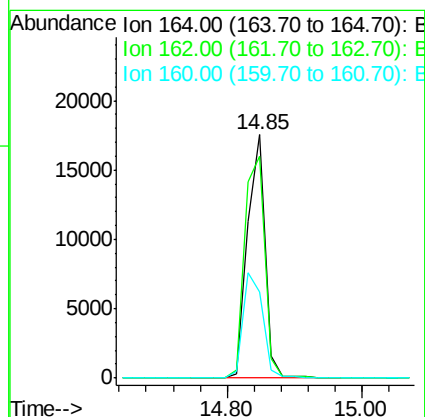
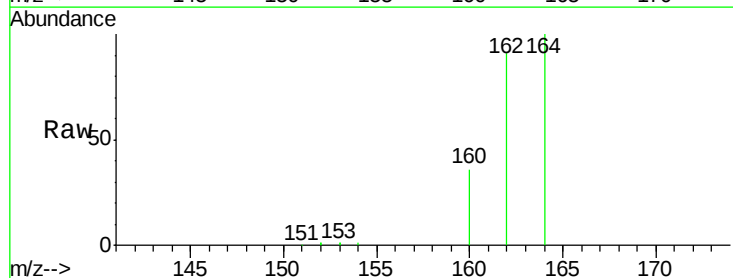
RT: 14.85 min Scan# 999

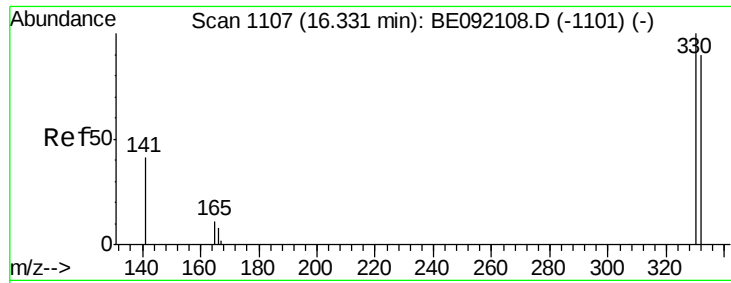
Delta R.T. -0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.0	69.5	104.3
160	35.6	27.6	41.4





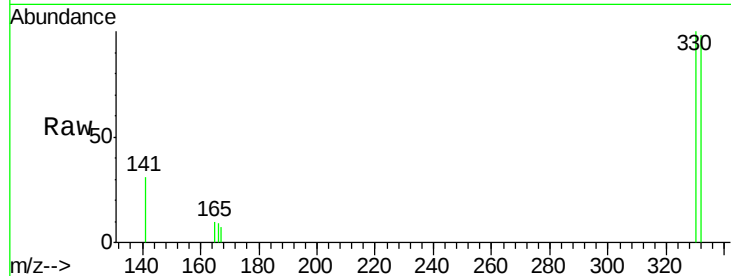
#11
 2,4,6-Tribromophenol
 Concen: 0.73 ng/ml
 RT: 16.33 min Scan# 1107
 Delta R.T. 0.00 min
 Lab File: BE092110.D
 Acq: 2 Aug 2016 14:05

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.2	74.2	111.4
141	44.3	139.8	209.8

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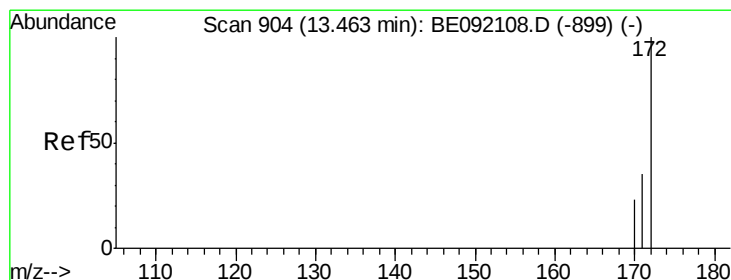
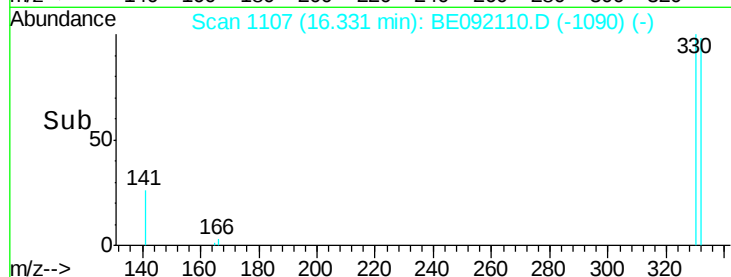
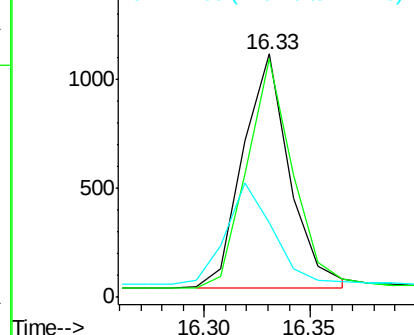


Abundance

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



#12
 2-Fluorobiphenyl
 Concen: 1.27 ng
 RT: 13.46 min Scan# 904
 Delta R.T. -0.00 min
 Lab File: BE092110.D
 Acq: 2 Aug 2016 14:05

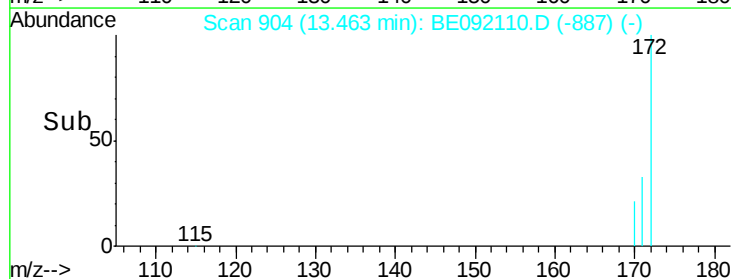
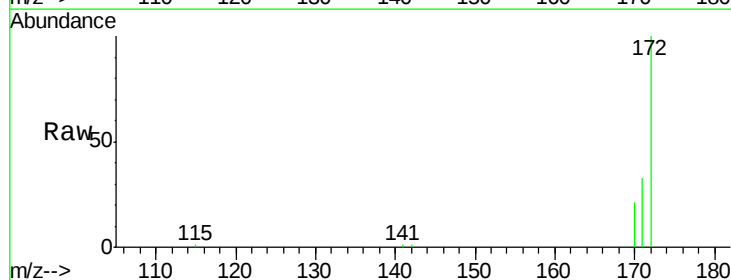
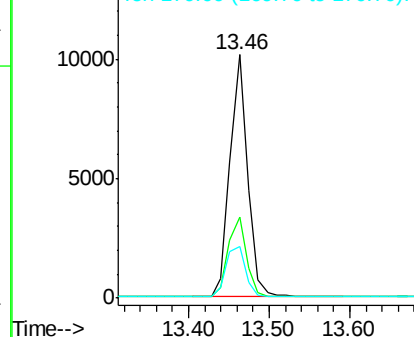
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.1	30.3	45.5
170	21.3	21.6	32.4

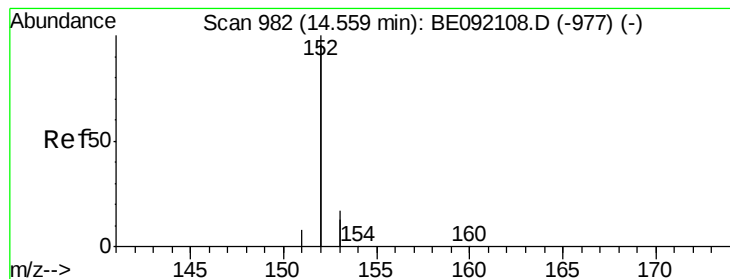
Abundance

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





#13

Acenaphthylene

Concen: 1.26 ng

RT: 14.56 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

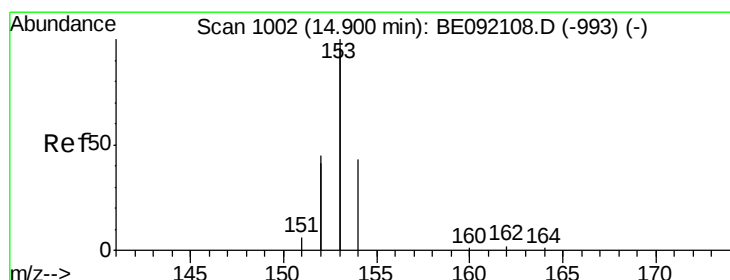
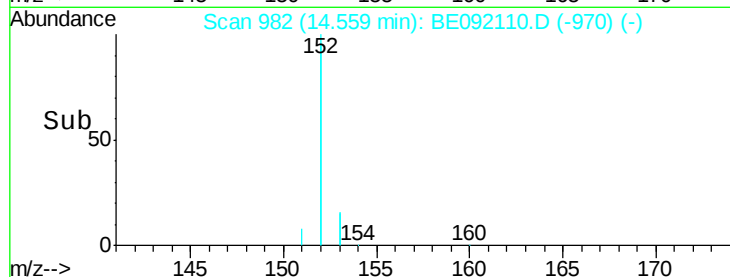
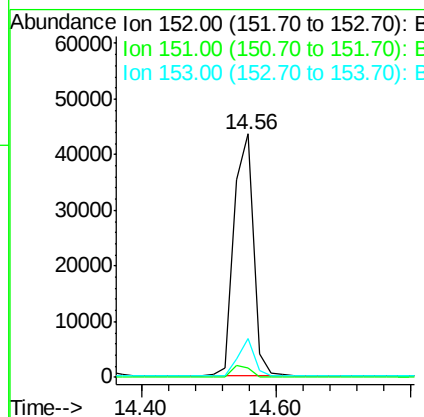
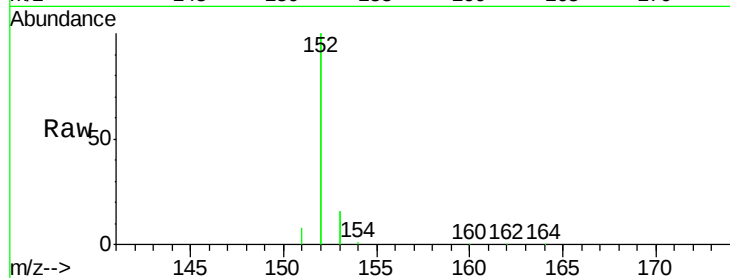
ClientSampleId :

SSTDICC1.6

Tot Ion:	152	Resp:	87970
Ion	Ratio	Lower	Upper
152	100		
151	4.8	4.0	6.0
153	13.0	9.6	14.4

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#14

Acenaphthene

Concen: 1.39 ng

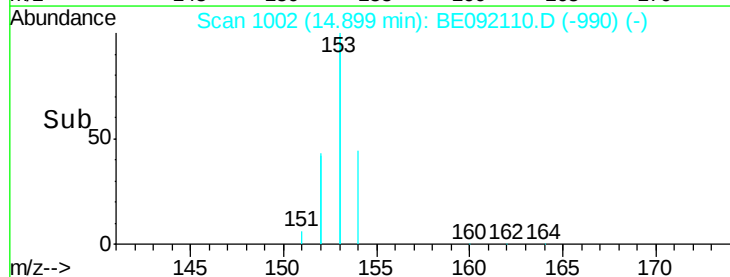
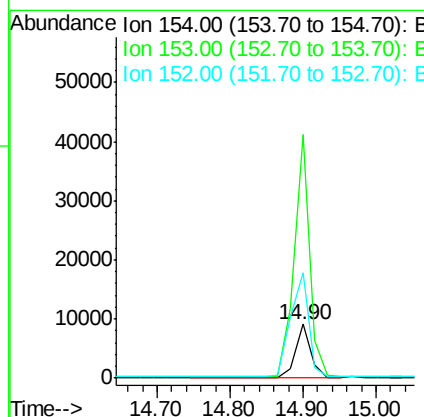
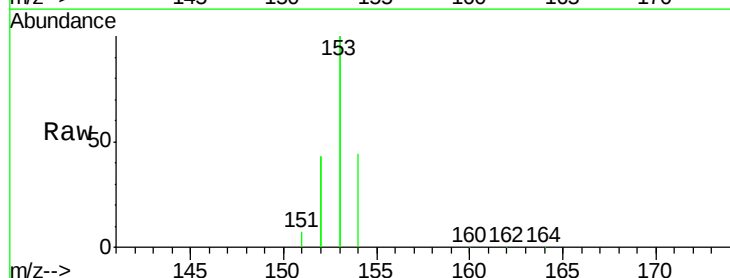
RT: 14.90 min Scan# 1002

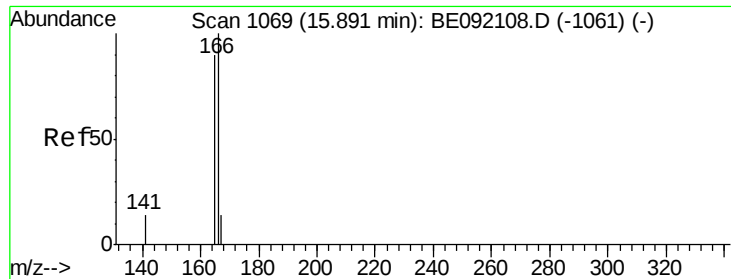
Delta R.T. -0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	154	Resp:	13360
Ion	Ratio	Lower	Upper
154	100		
153	455.4	345.1	517.7
152	226.6	0.0	0.0#





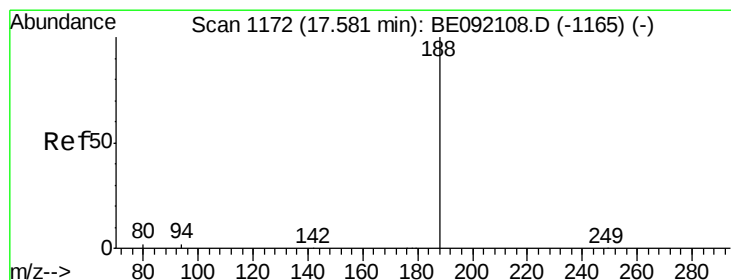
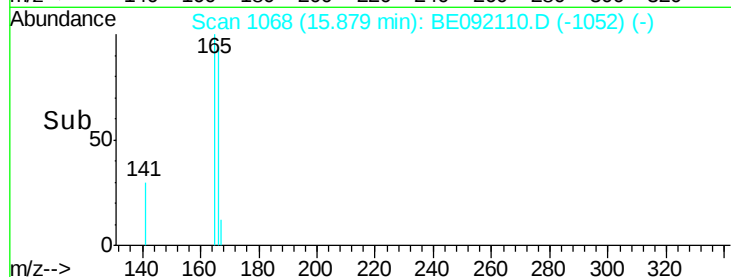
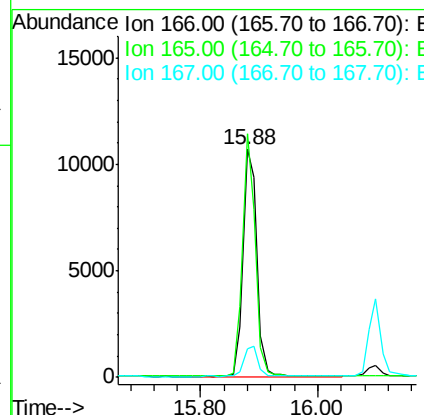
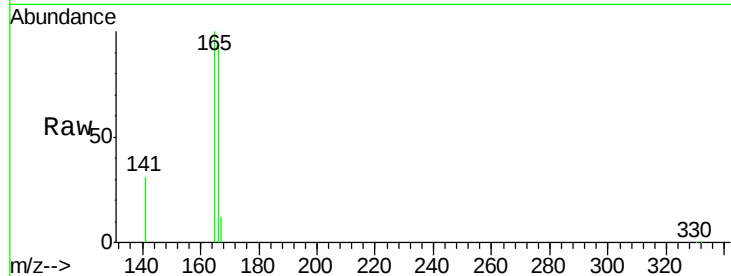
#15
Fluorene
Concen: 1.20 ng
RT: 15.88 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	118.0
167	13.6	11.1	16.7

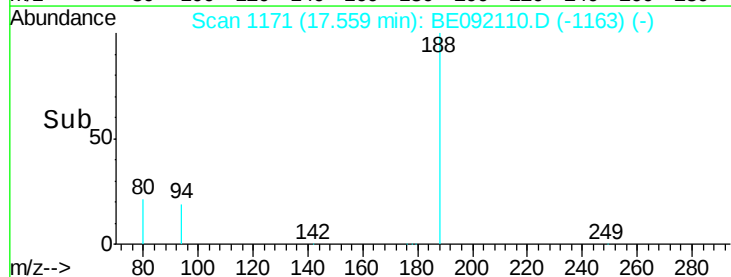
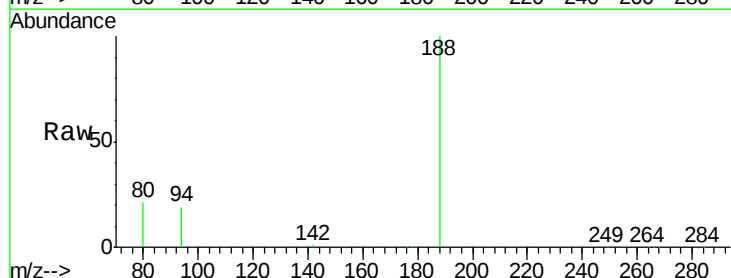
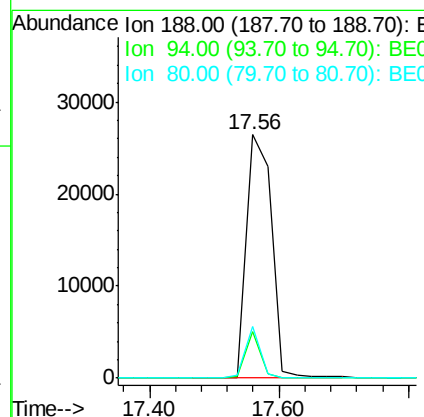
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#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1171
Delta R.T. -0.02 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	19.3	3.9	5.9#
80	21.0	3.4	5.0#





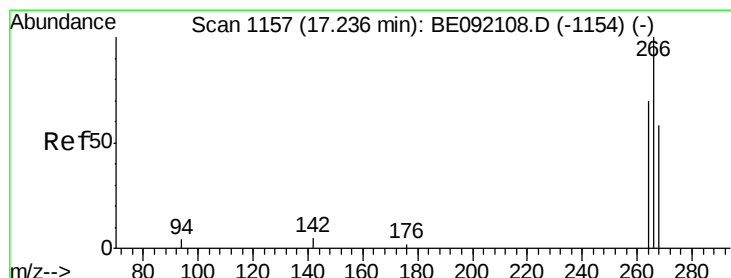
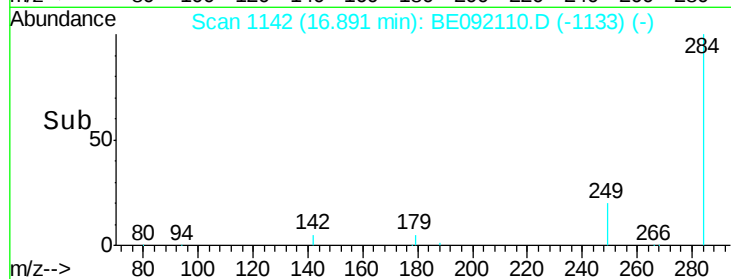
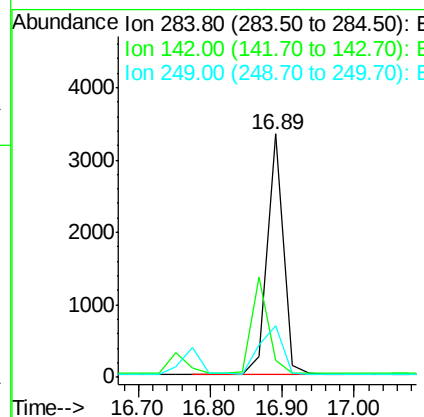
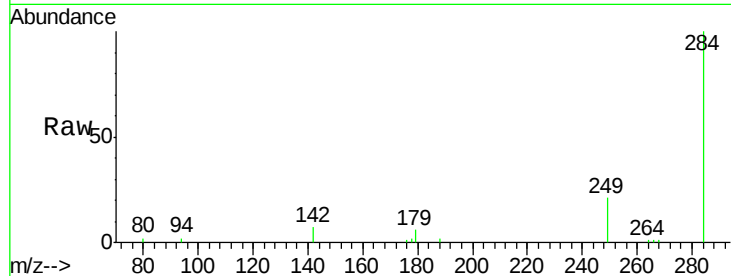
#17
Hexachlorobenzene
Concen: 2.18 ng
RT: 16.89 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	33.3	49.9#
249	28.9	25.4	38.0

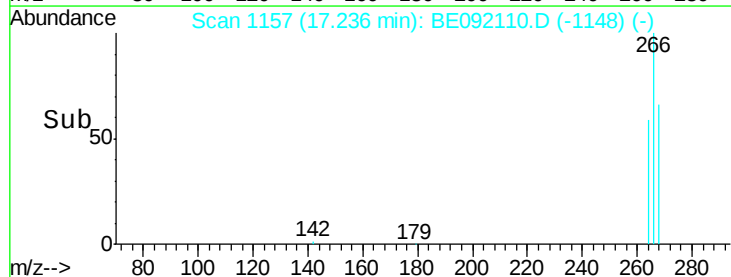
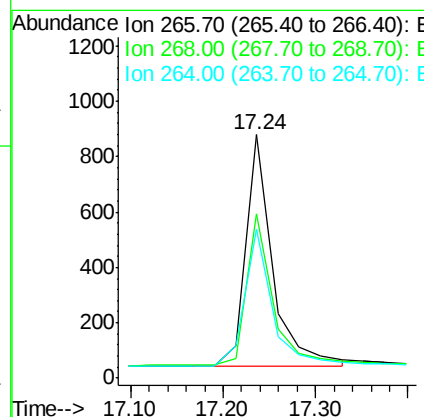
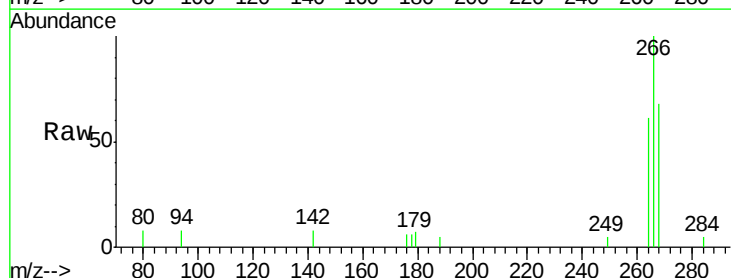
Manual Integrations
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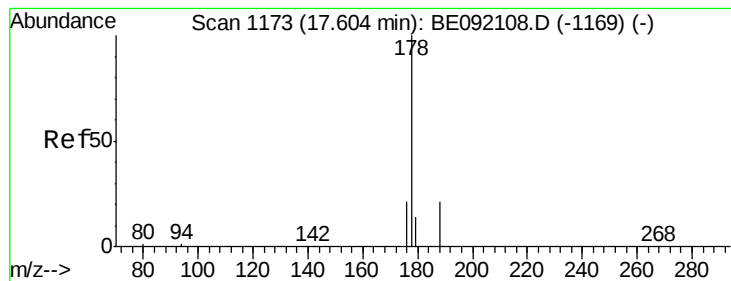
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#18
Pentachlorophenol
Concen: 3.92 ng
RT: 17.24 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.6	62.7	94.1
264	61.2	63.5	95.3#





#19

Phenanthrene

Concen: 1.63 ng

RT: 17.60 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

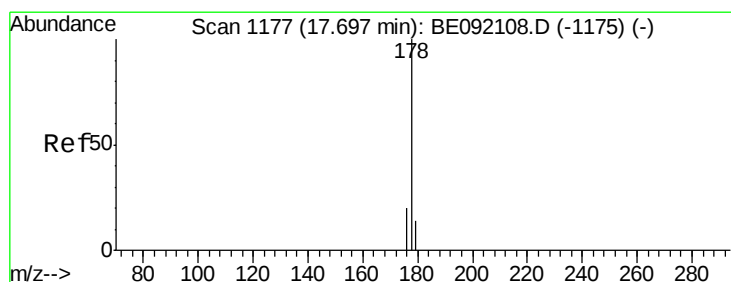
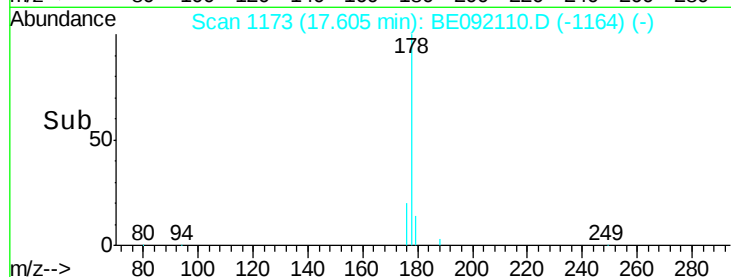
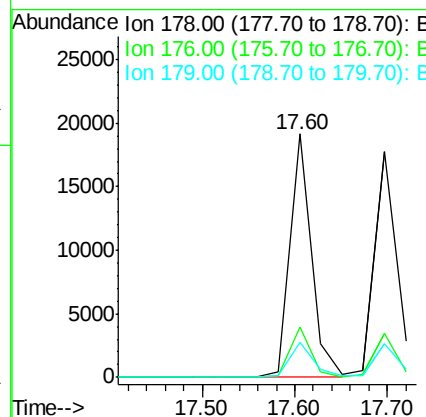
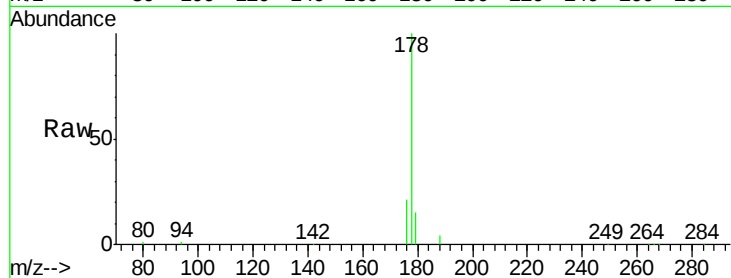
ClientSampled :

SSTDICC1.6

Tot Ion:	178	Resp:	30778
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.4	23.0
179	15.1	12.7	19.1

Manual Integrations
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#20

Anthracene

Concen: 2.09 ng

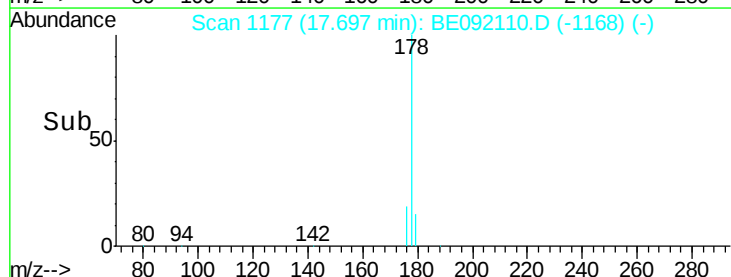
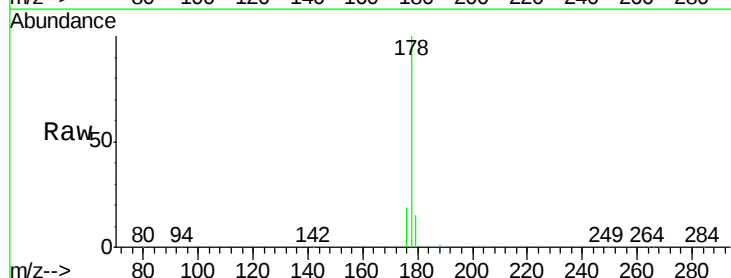
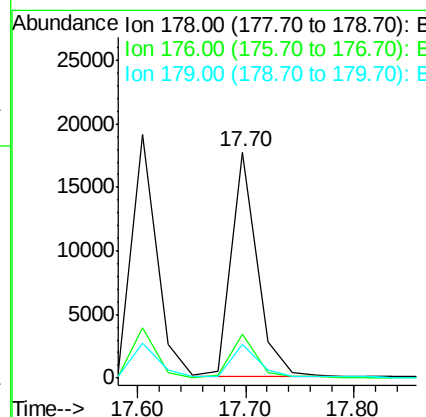
RT: 17.70 min Scan# 1177

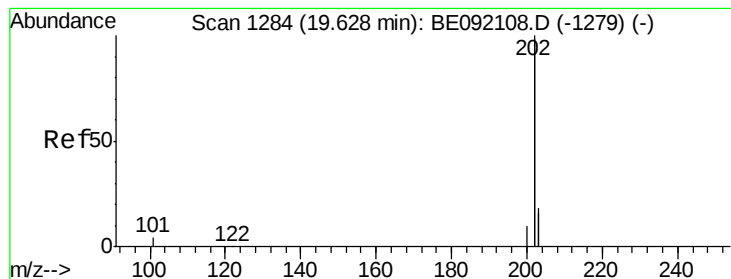
Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	178	Resp:	29225
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.2	22.8
179	15.2	12.2	18.4





#21

Fluoranthene

Concen: 2.36 ng

RT: 19.63 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

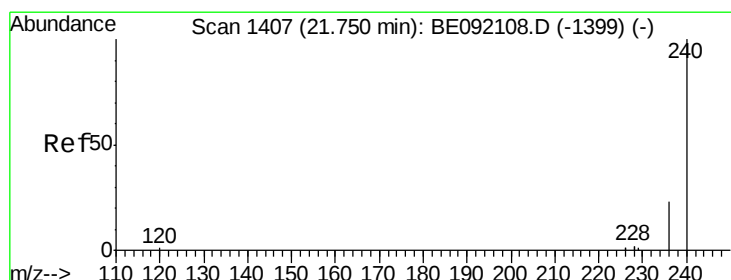
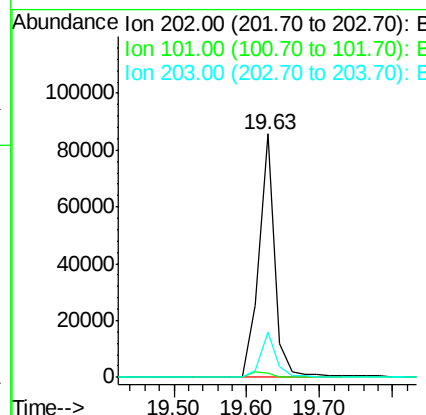
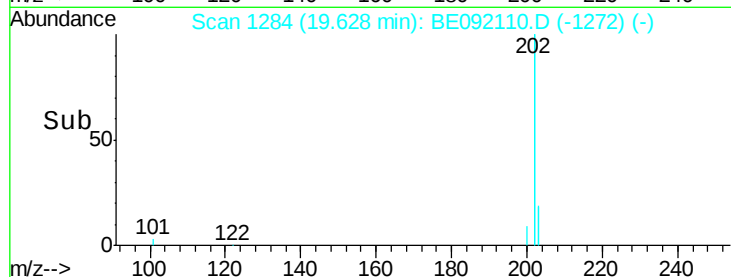
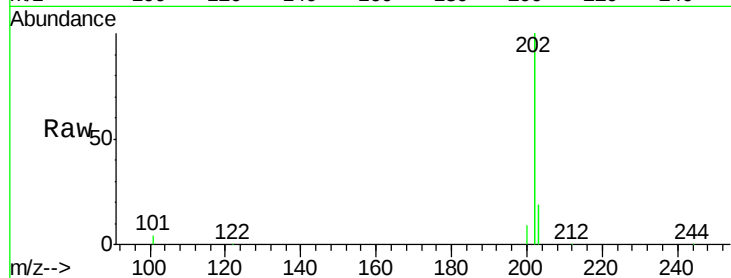
ClientSampleId :

SSTDICC1.6

Tot Ion:	202	Resp:	129593
Ion Ratio	Lower	Upper	
202	100		
101	2.7	2.2	3.2
203	17.6	13.0	19.4

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#22

Chrysene-d12

Concen: 5.00 ng

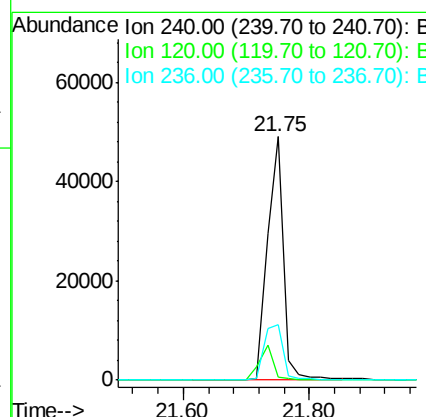
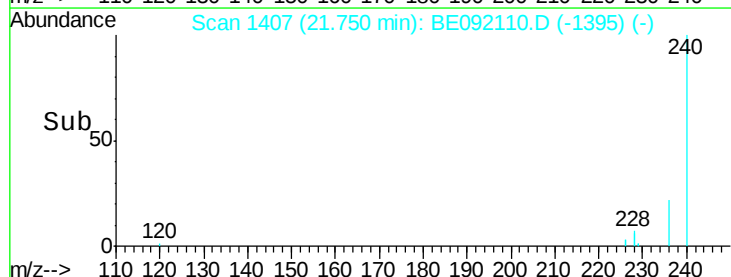
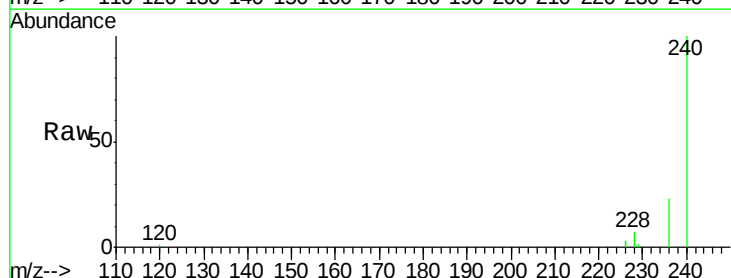
RT: 21.75 min Scan# 1407

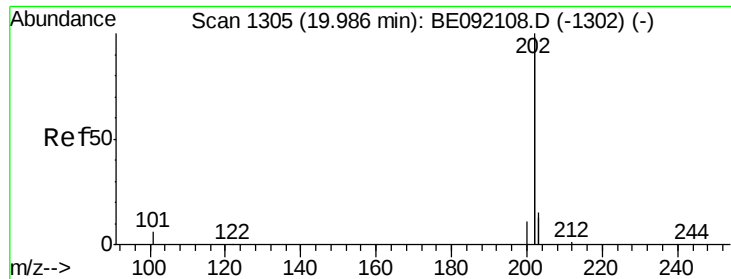
Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	240	Resp:	86767
Ion Ratio	Lower	Upper	
240	100		
120	1.4	0.6	1.0#
236	22.5	18.2	27.4





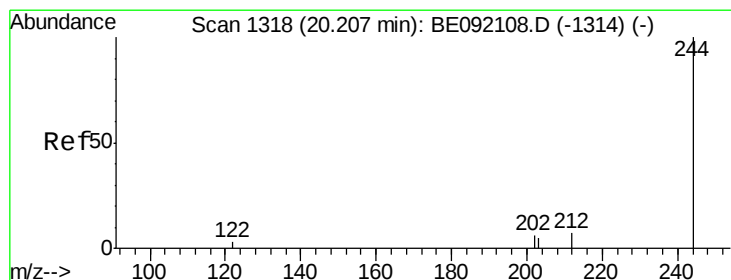
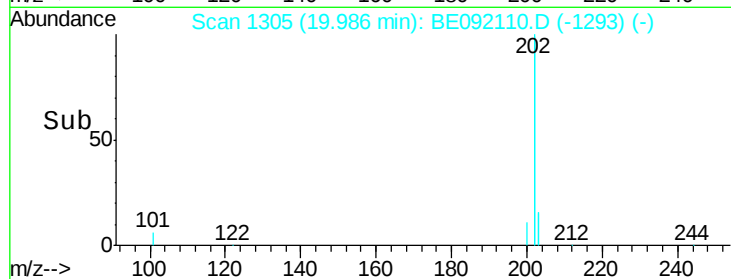
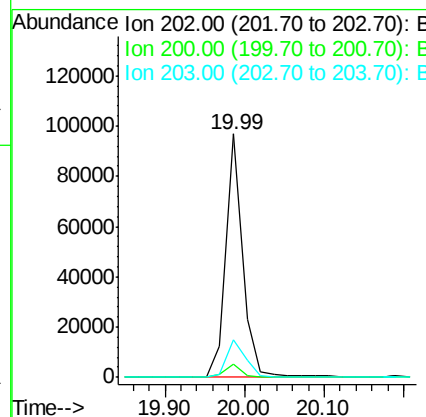
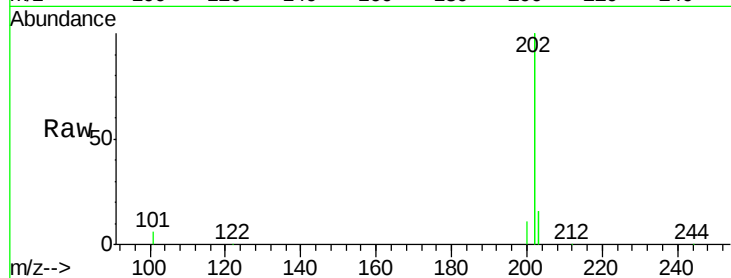
#23
Pvrene
Concen: 1.41 ng
RT: 19.99 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	5.3	4.4	6.6
203	17.4	13.4	20.0

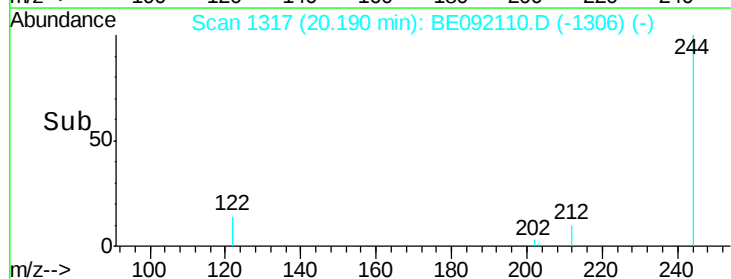
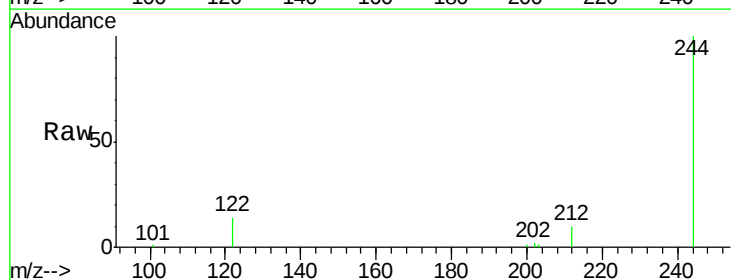
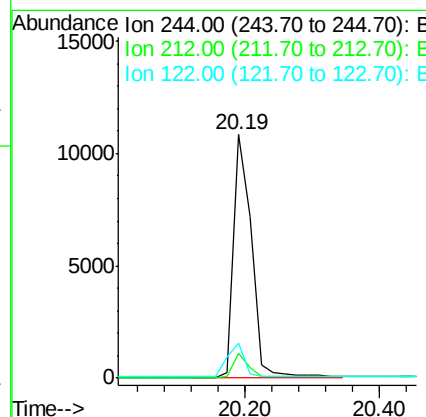
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#24
Terphenyl-d14
Concen: 1.50 ng
RT: 20.19 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.1	9.1	13.7
122	14.3	11.0	16.4





#25

Benzo(a)anthracene

Concen: 6.23 ng

RT: 21.72 min Scan# 1405

Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Instrument :

BNA_E

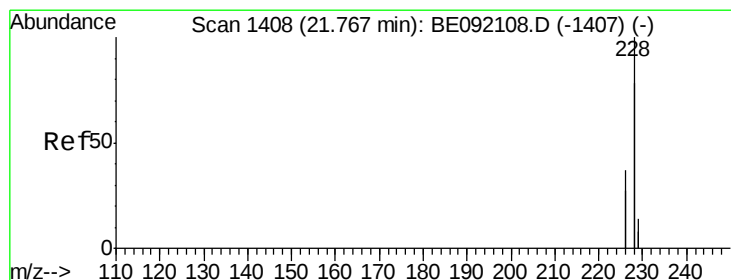
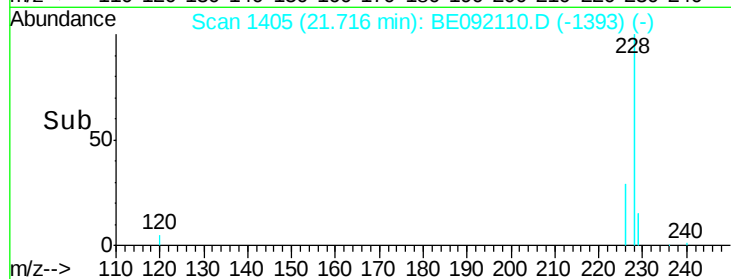
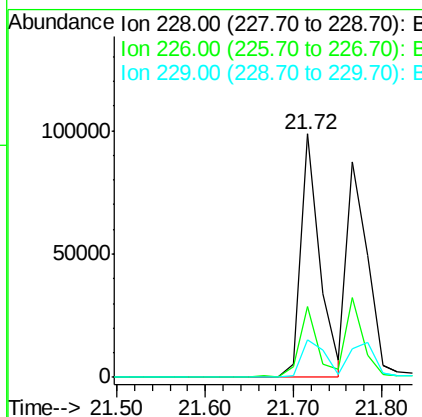
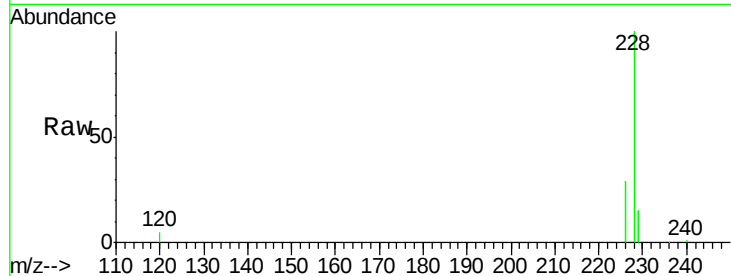
ClientSampleId :

SSTDICC1.6

Tot Ion:	228	Resp:	146075
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.1	33.1
229	15.3	15.1	22.7

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#26

Chrysene

Concen: 7.06 ng

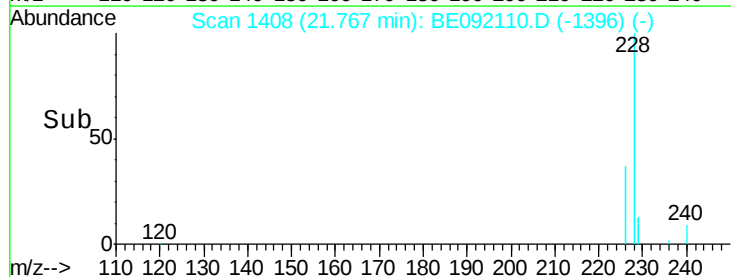
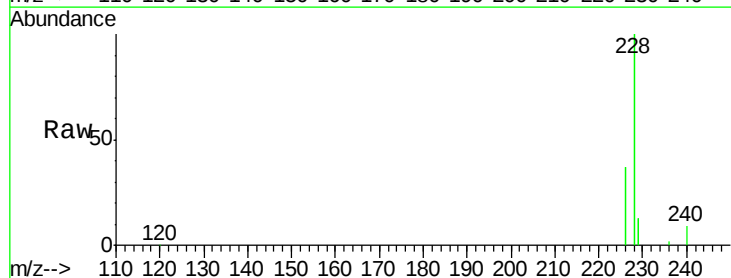
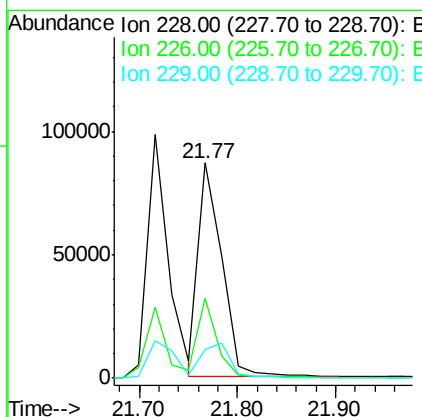
RT: 21.77 min Scan# 1408

Delta R.T. 0.00 min

Lab File: BE092110.D

Acq: 2 Aug 2016 14:05

Tgt Ion:	228	Resp:	145715
Ion Ratio	Lower	Upper	
228	100		
226	36.9	22.3	33.5#
229	13.4	16.9	25.3#





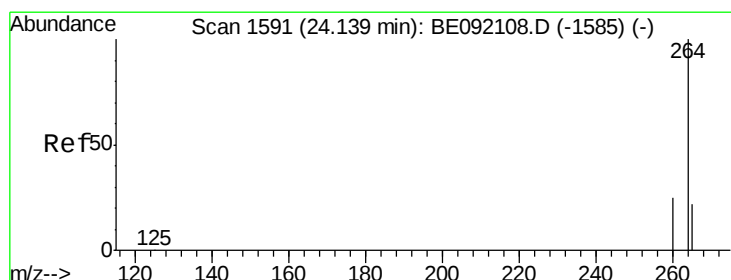
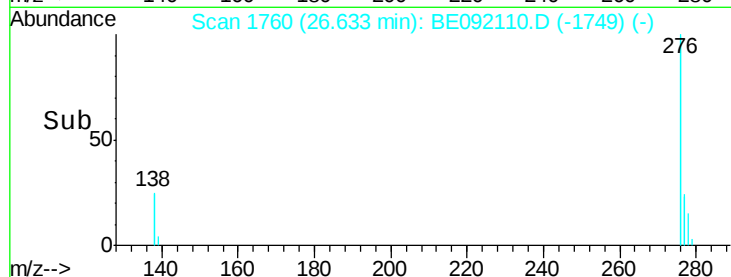
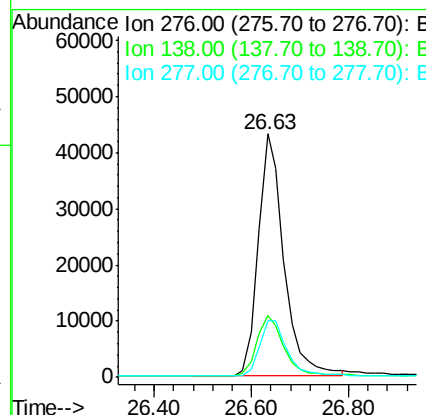
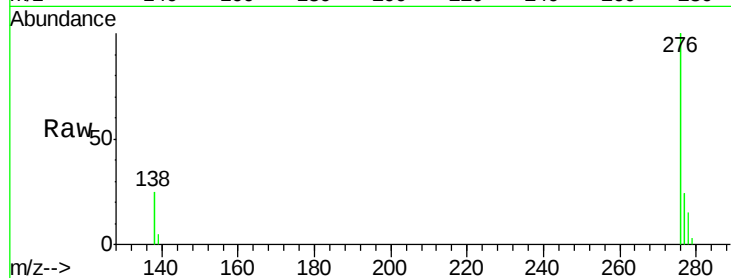
#27
Indeno(1,2,3-cd)pyrene
Concen: 1.75 ng
RT: 26.63 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	21.2	31.8
277	24.8	19.8	29.8

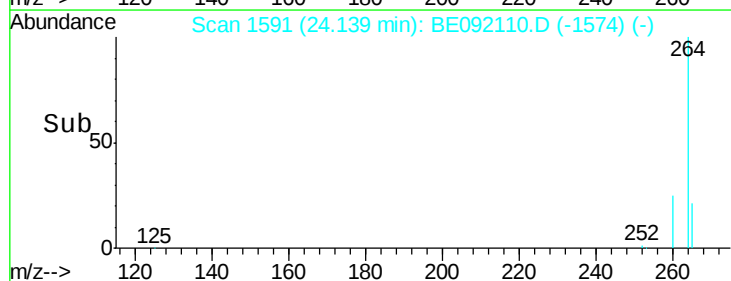
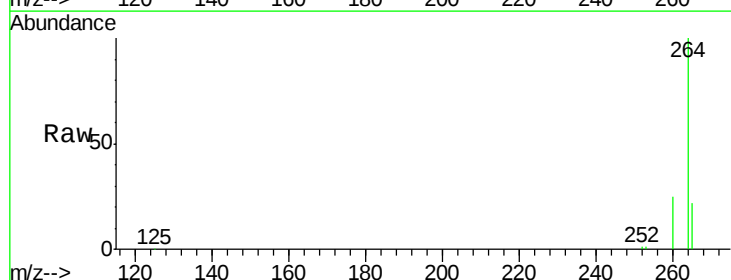
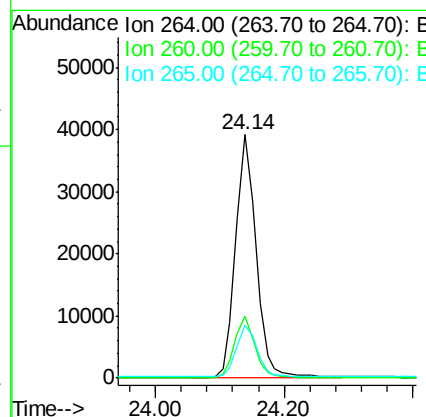
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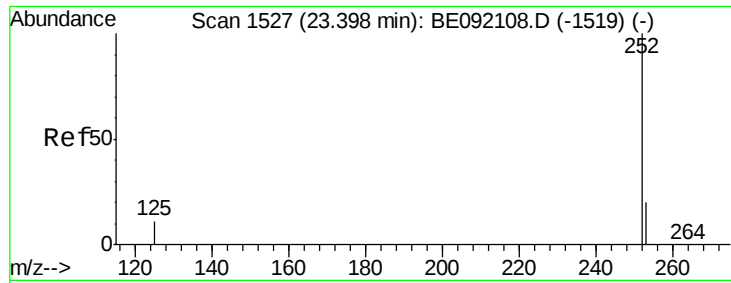
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#28
Perylene-d12
Concen: 5.00 ng
RT: 24.14 min Scan# 1591
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.8	31.2
265	21.8	16.6	25.0





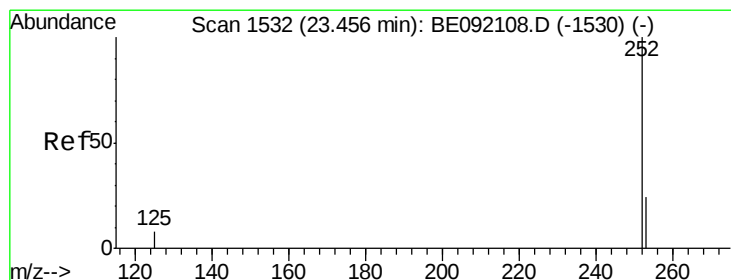
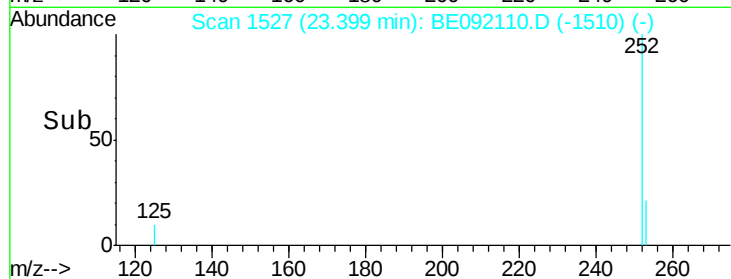
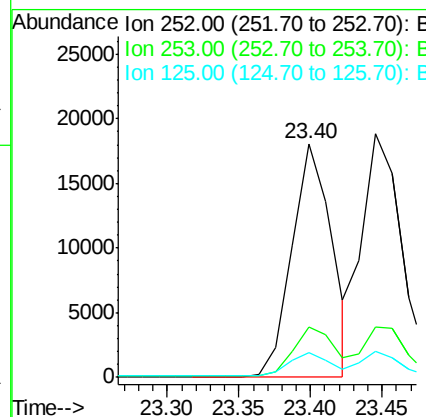
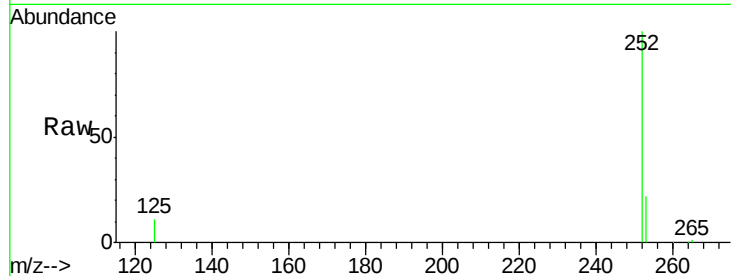
#29
Benzo(b)fluoranthene
Concen: 1.45 ng
RT: 23.40 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	10.7	10.2	15.2

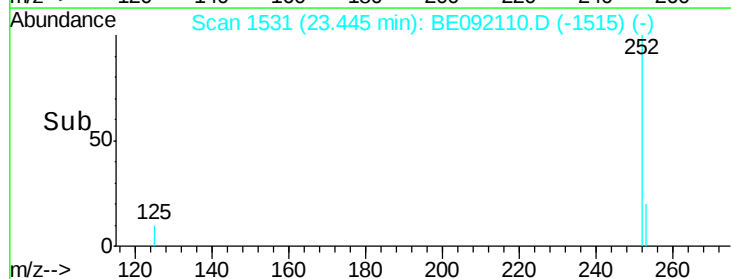
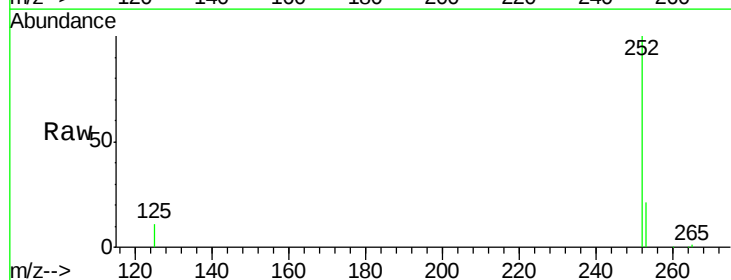
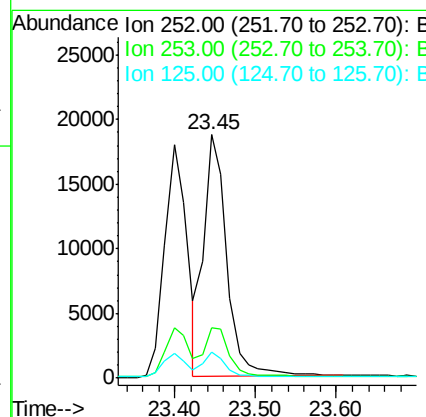
Manual Integrations
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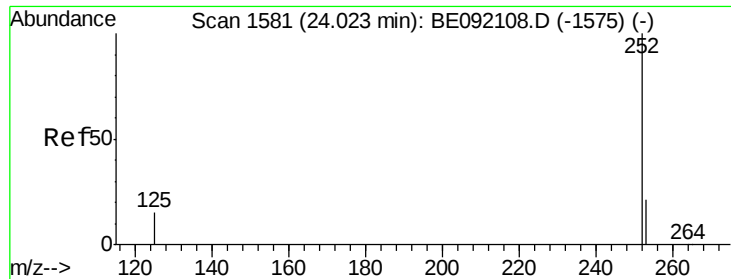
Sohil
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#30
Benzo(k)fluoranthene
Concen: 1.52 ng
RT: 23.45 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	19.4	29.0
125	10.7	8.9	13.3





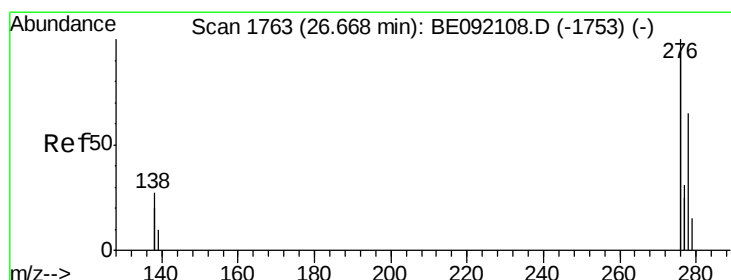
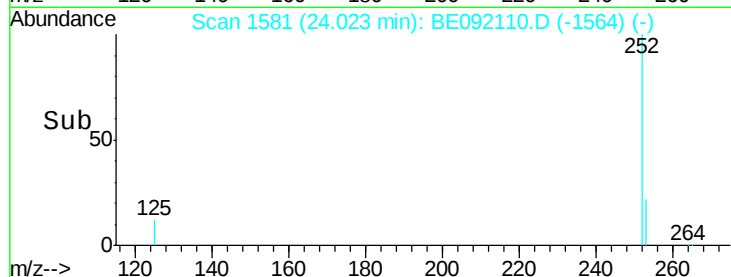
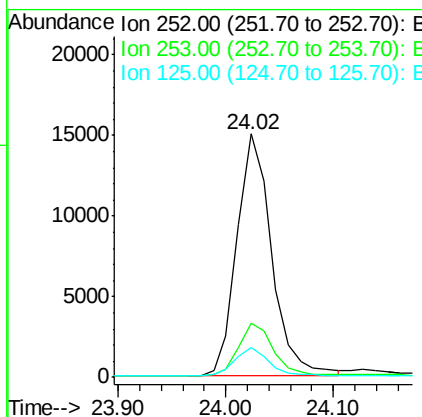
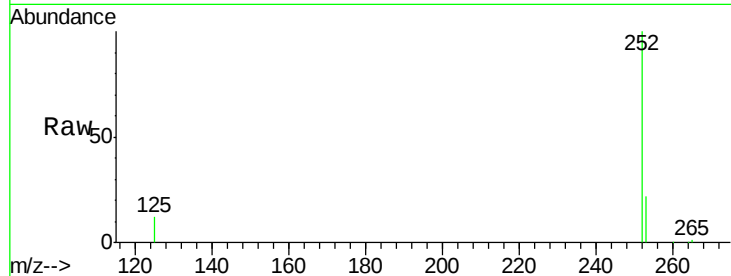
#31
Benzo(a)pyrene
Concen: 1.51 ng
RT: 24.02 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	19.8	29.8
125	12.1	10.4	15.6

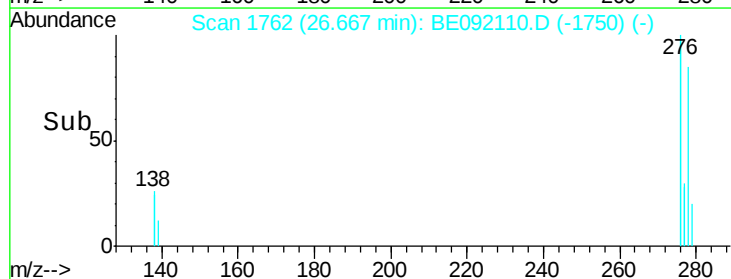
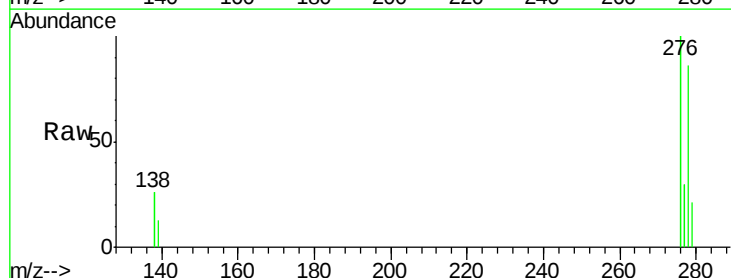
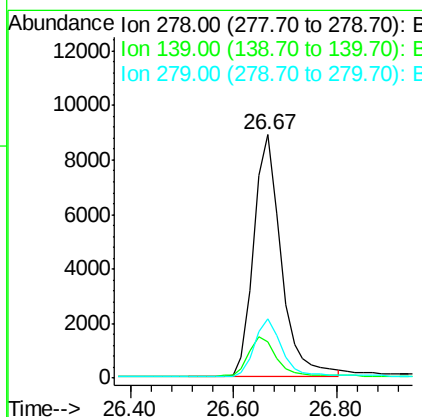
Manual Integrations
APPROVED

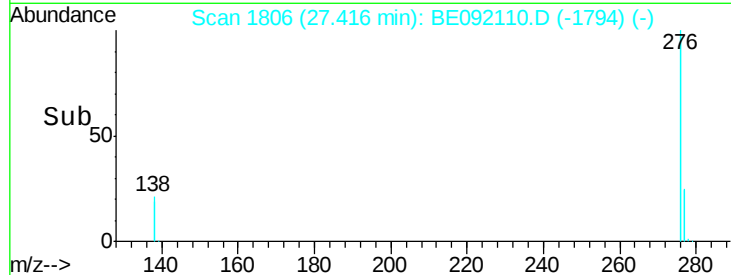
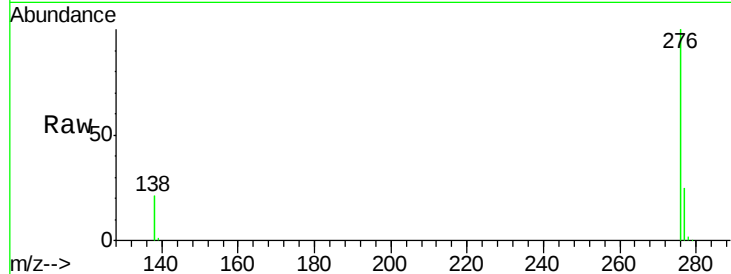
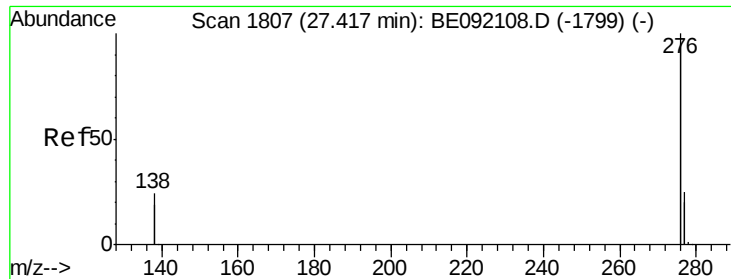
Sohil
8/3/2016 8:39:03 AM



#32
Dibenzo(a,h)anthracene
Concen: 1.58 ng
RT: 26.67 min Scan# 1762
Delta R.T. -0.00 min
Lab File: BE092110.D
Acq: 2 Aug 2016 14:05

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	16.7	25.1#
279	24.5	20.3	30.5





#33
 Benzo(a,h,i)perylene
 Concen: 1.58 ng
 RT: 27.42 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: BE092110.D
 Acq: 2 Aug 2016 14:05

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC1.6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	20.6	20.8	31.2

Manual Integrations
 APPROVED

Sohil
 8/3/2016 8:39:03 AM

