

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093016\
 Data File : BE092432.D
 Acq On : 30 Sep 2016 11:30
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Manual Integrations
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Quant Time: Sep 30 13:45:39 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	8856	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	42945	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	33178	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	65322	5.00	ng	0.02
24) Chrysene-d12	21.75	240	83243	5.00	ng	0.00
31) Perylene-d12	24.12	264	69843	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	549	0.37	ng	0.00
5) Phenol-d6	7.36	99	708	0.32	ng	0.00
8) Nitrobenzene-d5	9.36	82	839	0.41	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	267	0.38	ng	0.00
14) 2-Fluorobiphenyl	13.44	172	3074	0.39	ng	0.00
26) Terphenyl-d14	20.19	244	3870	0.37	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	443	0.36	ng	98
3) n-Nitrosodimethylamine	3.79	42	352	0.43	ng	# 96
6) bis(2-Chloroethyl)ether	7.61	93	645	0.36	ng	# 27
9) Naphthalene	10.99	128	3694	0.40	ng	96
10) Hexachlorobutadiene	11.28	225	578	0.40	ng	99
11) 2-Methylnaphthalene	12.65	142	2373	0.39	ng	94
15) Acenaphthylene	14.53	152	17607	0.37	ng	100
16) Acenaphthene	14.88	154	2946	0.39	ng	99
17) Fluorene	15.87	166	3558	0.37	ng	100
19) Hexachlorobenzene	16.89	284	1200	0.43	ng	# 64
20) Pentachlorophenol	17.26	266	182	0.35	ng	92
21) Phenanthrene	17.60	178	6307	0.42	ng	# 95
22) Anthracene	17.72	178	5396	0.37	ng	99
23) Fluoranthene	19.61	202	25710	0.36	ng	99
25) Pyrene	19.97	202	27174	0.38	ng	100
27) Benzo(a)anthracene	21.72	228	30435m	0.38	ng	
28) Chrysene	21.77	228	32234m	0.43	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	1981	0.28	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.62	276	26946	0.34	ng	98
32) Benzo(b)fluoranthene	23.38	252	6091	0.36	ng	99
33) Benzo(k)fluoranthene	23.43	252	7141	0.40	ng	96
34) Benzo(a)pyrene	24.01	252	6171	0.37	ng	99
35) Dibenzo(a,h)anthracene	26.65	278	5453	0.36	ng	98
36) Benzo(g,h,i)perylene	27.40	276	24342	0.37	ng	98

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

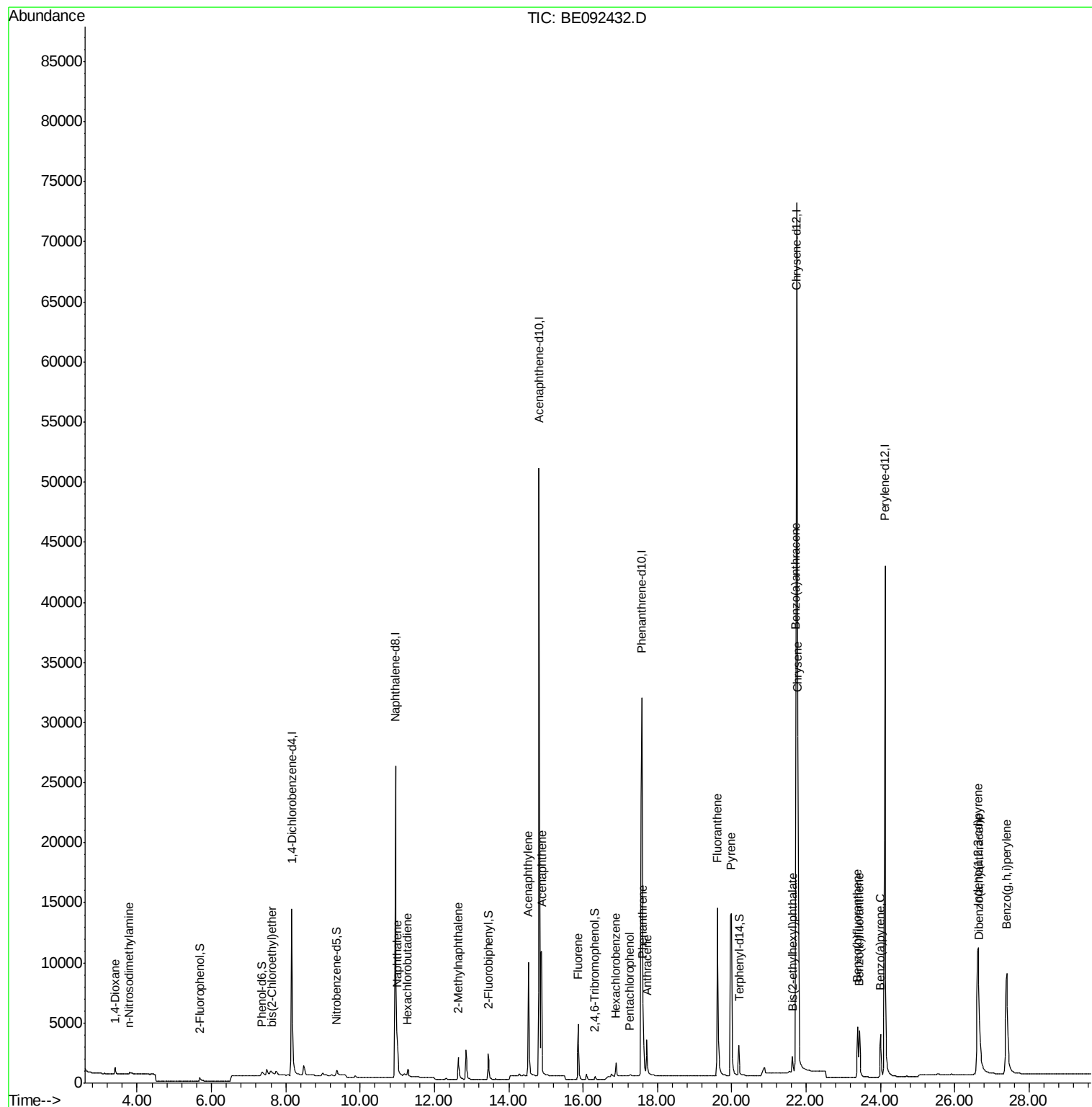
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093016\
Data File : BE092432.D
Acq On : 30 Sep 2016 11:30
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Sample : SSTDCCC0.4
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ALS Vial : 2 Sample Multiplier: 1

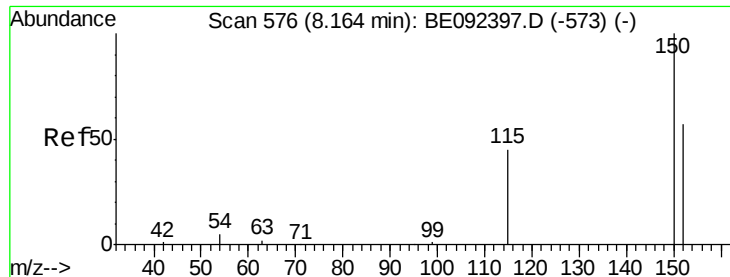
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

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Quant Time: Sep 30 13:45:39 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

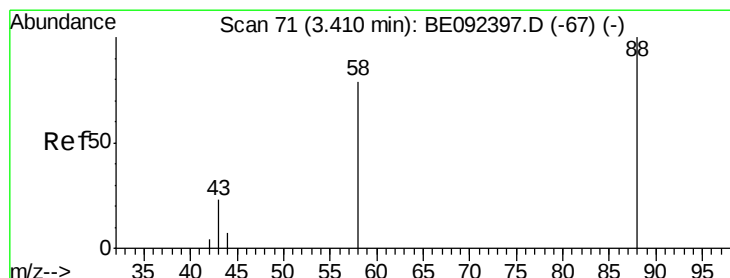
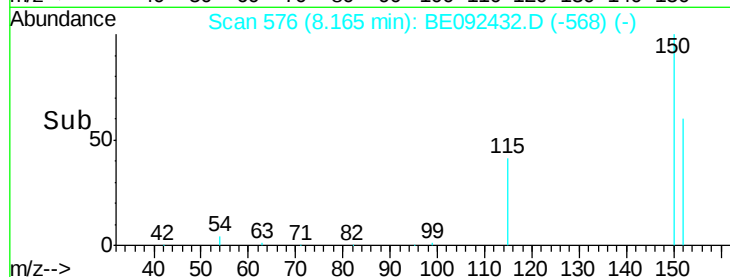
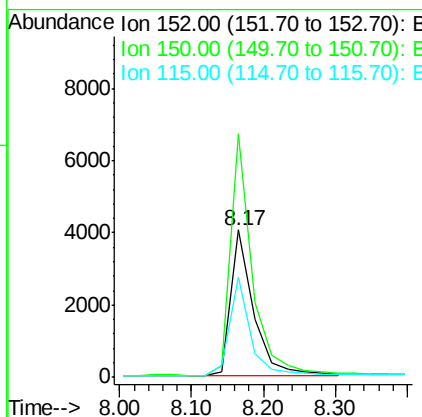
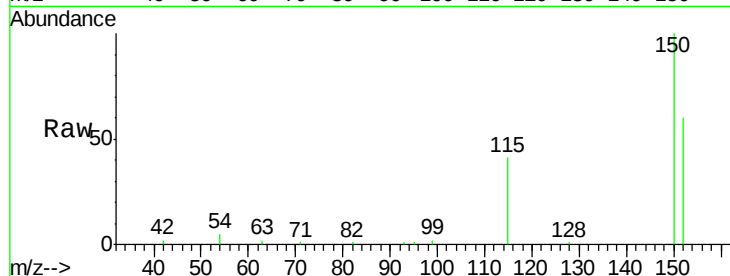
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	152	Resp:	8856
Ion Ratio	Lower	Upper	
152	100		
150	165.4	106.0	159.0#
115	68.0	31.2	46.8#

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#2

1,4-Dioxane

Concen: 0.36 ng

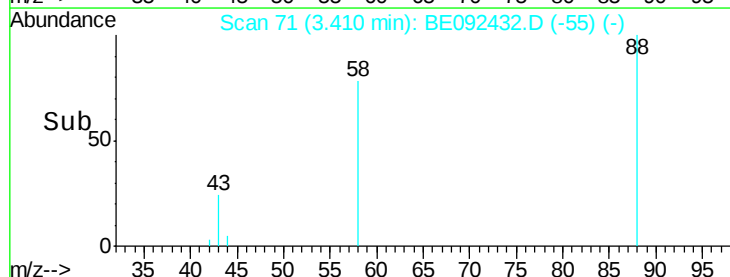
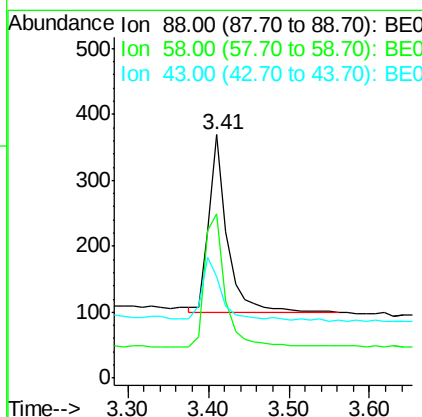
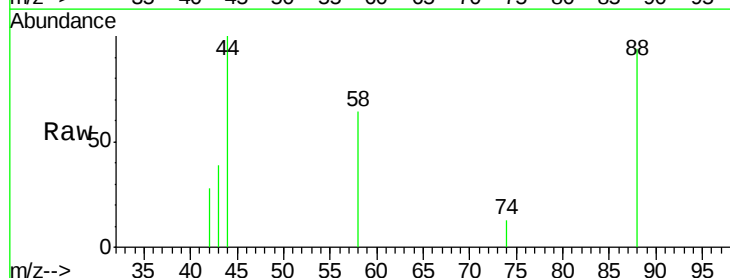
RT: 3.41 min Scan# 71

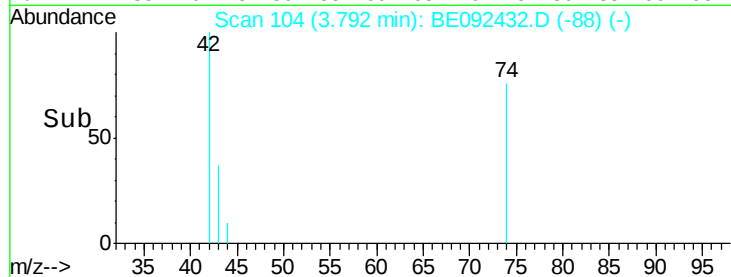
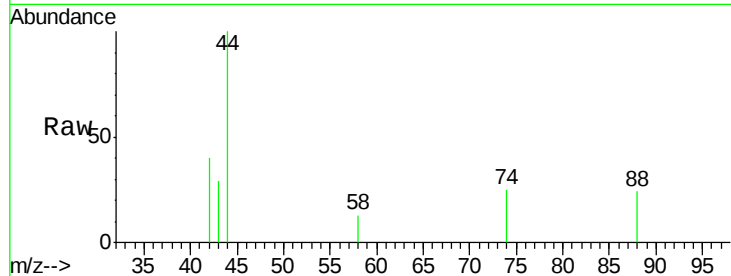
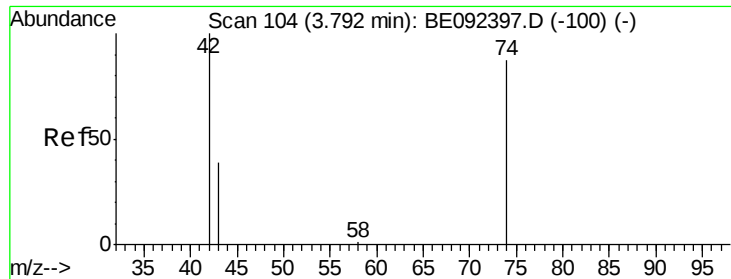
Delta R.T. -0.01 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	88	Resp:	443
Ion Ratio	Lower	Upper	
88	100		
58	81.0	63.6	95.4
43	36.1	28.0	42.0





#3

n-Nitrosodimethylamine

Concen: 0.43 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.01 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	42	Resp:	352
Ion Ratio	Lower	Upper	
42	100		
74	103.7	86.0	129.0
44	8.2	5.1	7.7#

Instrument :

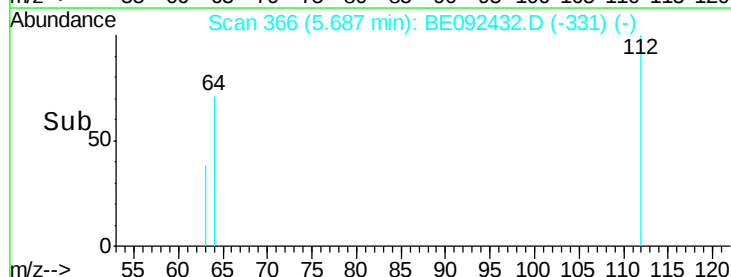
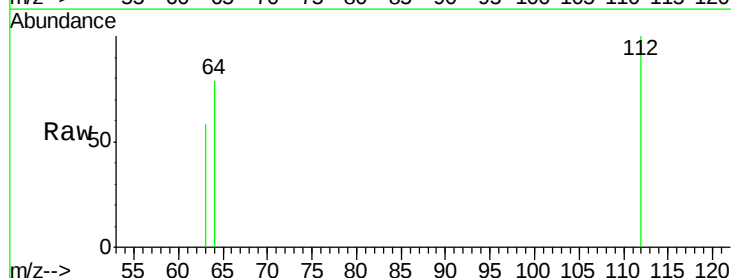
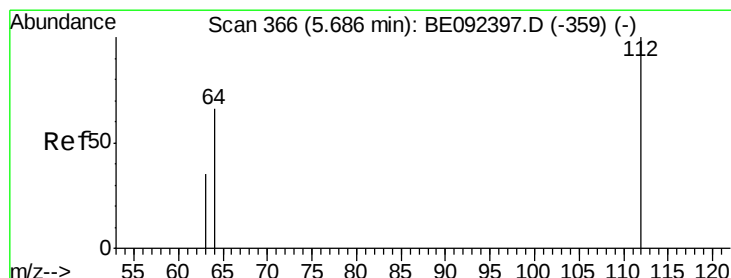
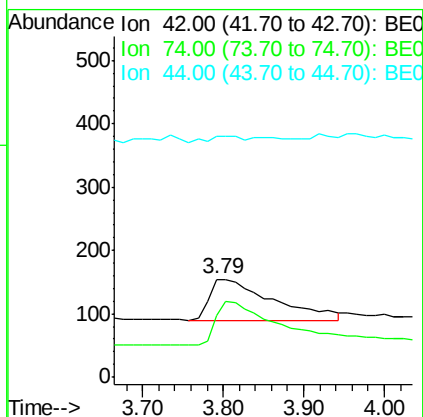
BNA_E

ClientSampleId :

SSTDCCC0.4

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#4

2-Fluorophenol

Concen: 0.37 ng

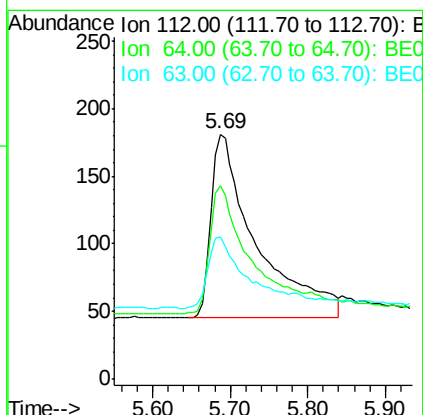
RT: 5.69 min Scan# 366

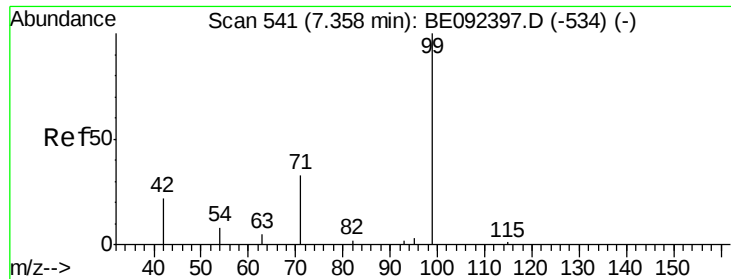
Delta R.T. 0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	112	Resp:	549
Ion Ratio	Lower	Upper	
112	100		
64	68.3	53.5	80.3
63	38.6	27.9	41.9





#5

Phenol-d6

Concen: 0.32 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

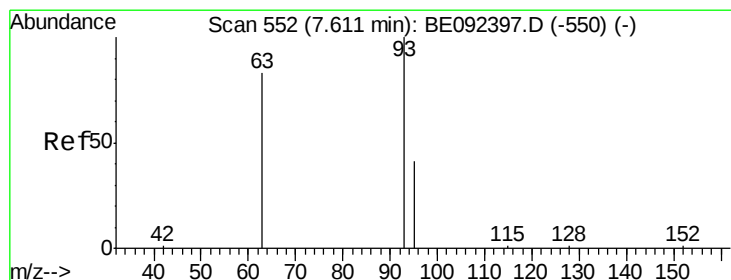
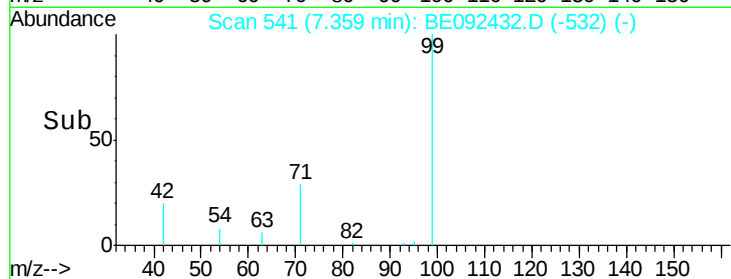
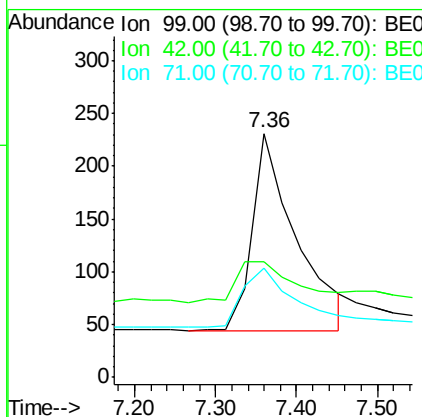
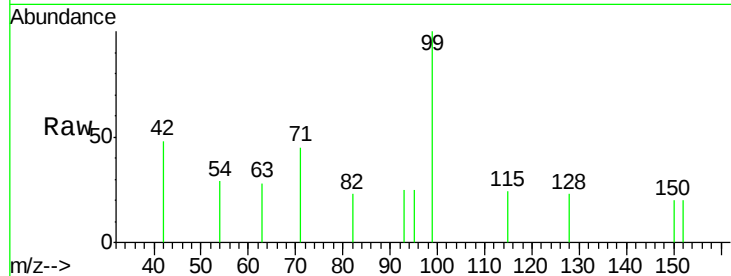
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	99	Resp:	708
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	34.6	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 0.36 ng

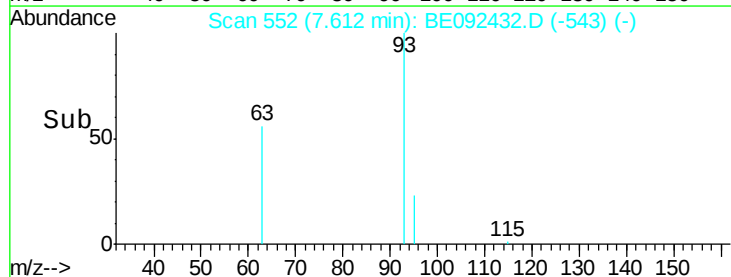
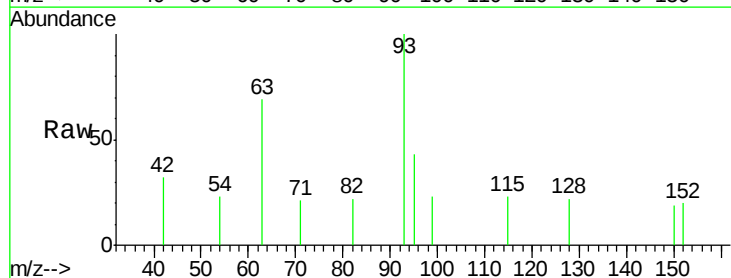
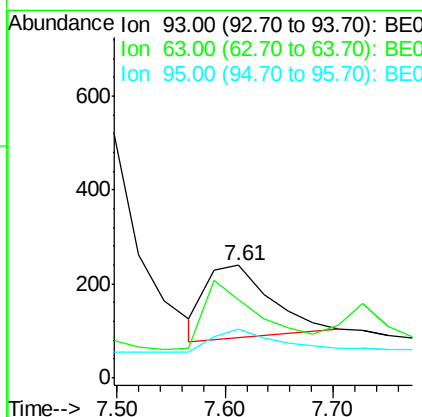
RT: 7.61 min Scan# 552

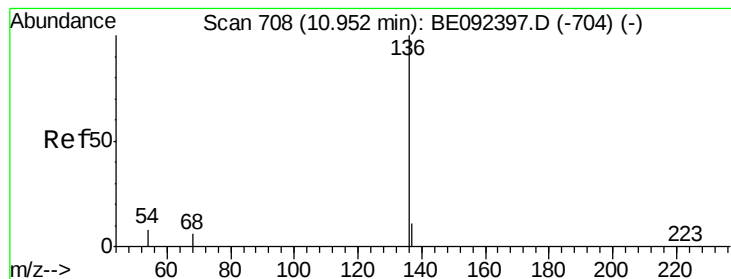
Delta R.T. 0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	93	Resp:	645
Ion	Ratio	Lower	Upper
93	100		
63	0.0	71.6	107.4#
95	33.2	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

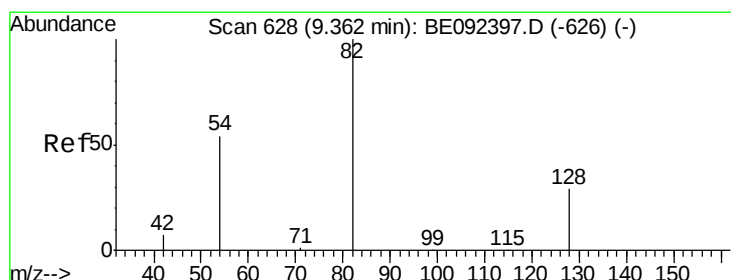
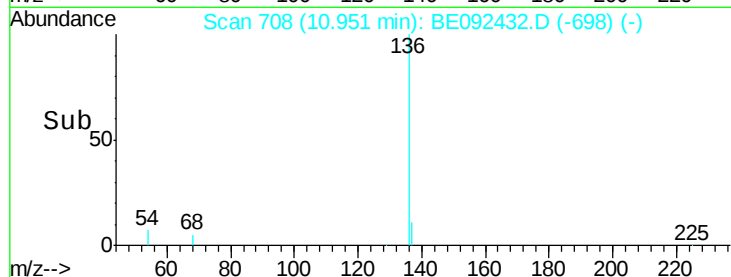
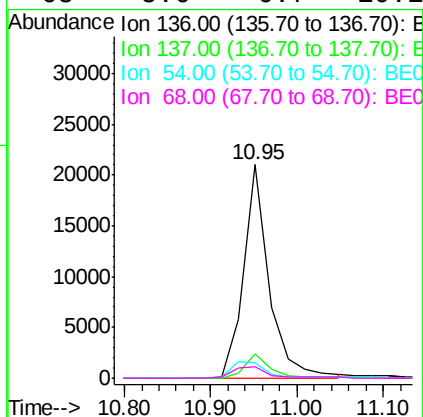
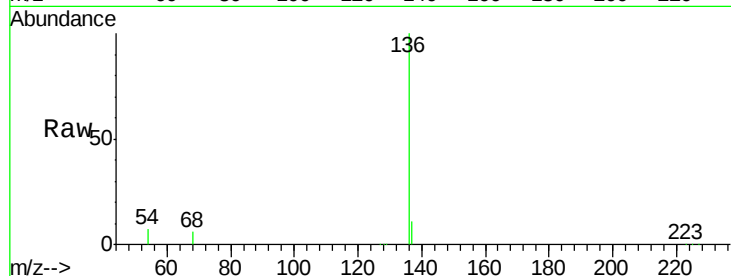
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	136	Resp:	42945
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.4
54	7.5	9.6	14.4#
68	5.6	6.7	10.1#

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#8

Nitrobenzene-d5

Concen: 0.41 ng

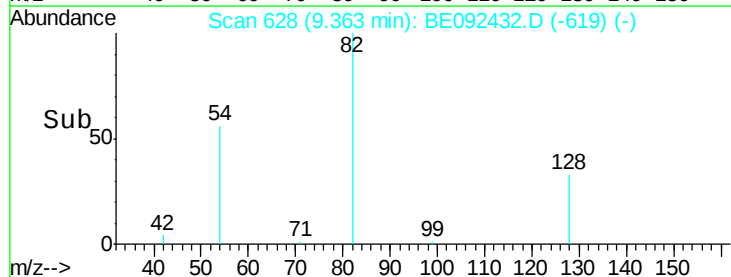
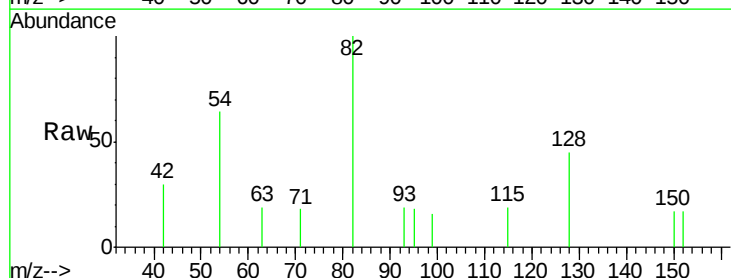
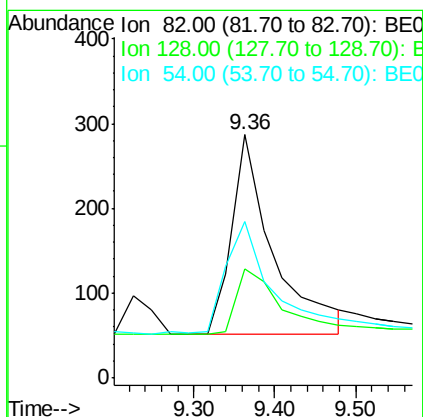
RT: 9.36 min Scan# 628

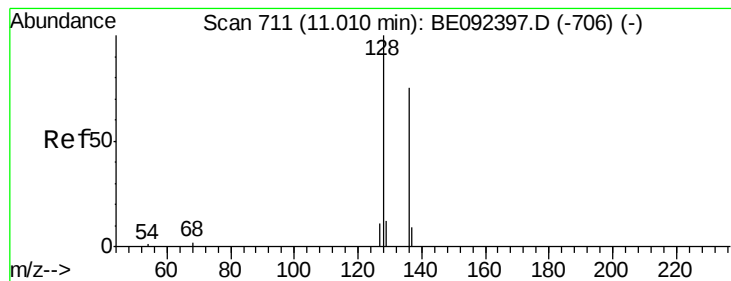
Delta R.T. 0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	82	Resp:	839
Ion Ratio	Lower	Upper	
82	100		
128	44.6	39.0	58.4
54	64.5	44.8	67.2





#9

Naphthalene

Concen: 0.40 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

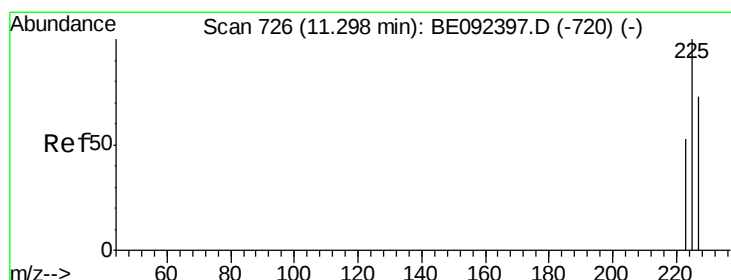
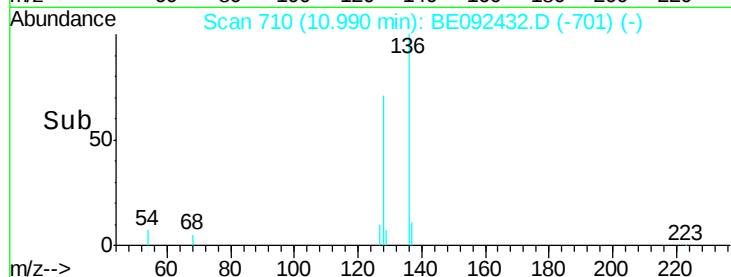
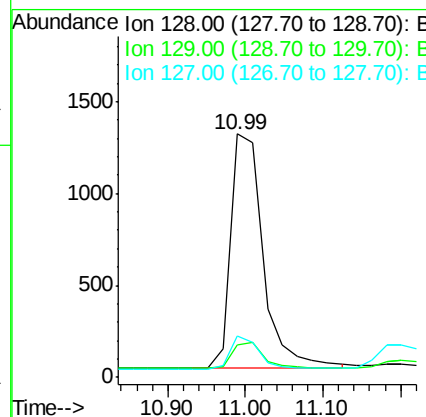
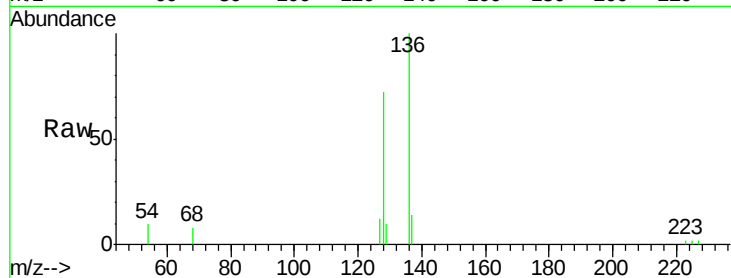
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	128	Resp:	3694
Ion Ratio	Lower	Upper	
128	100		
129	13.4	11.2	16.8
127	17.1	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.40 ng

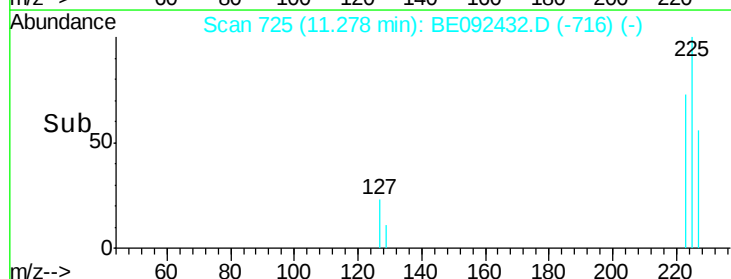
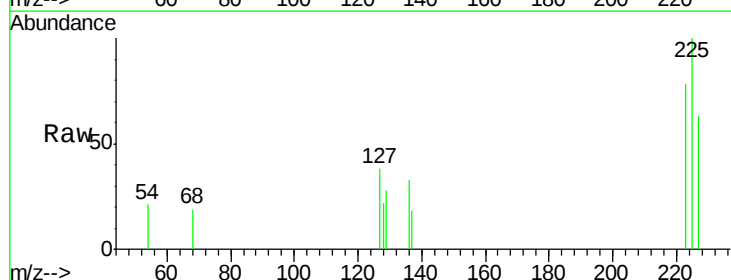
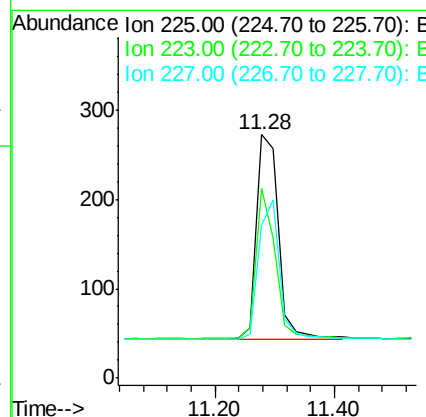
RT: 11.28 min Scan# 725

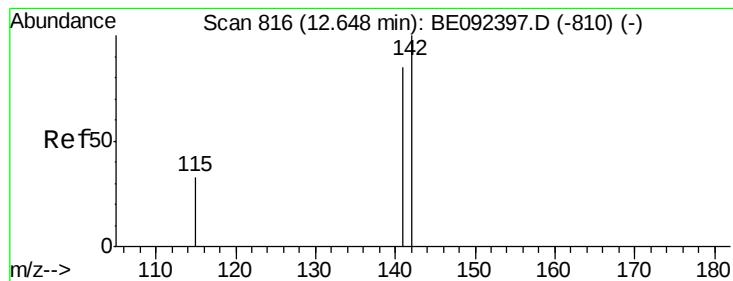
Delta R.T. -0.02 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	225	Resp:	578
Ion Ratio	Lower	Upper	
225	100		
223	65.1	50.6	76.0
227	64.4	51.4	77.0





#11

2-Methylnaphthalene

Concen: 0.39 ng

RT: 12.65 min Scan# 816

Delta R.T. -0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

ClientSampleId :

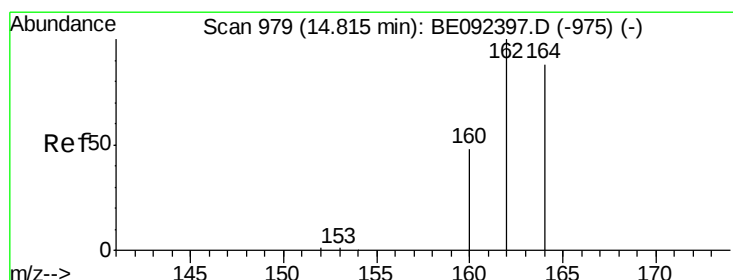
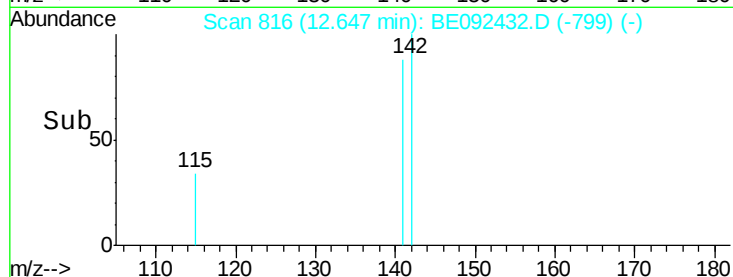
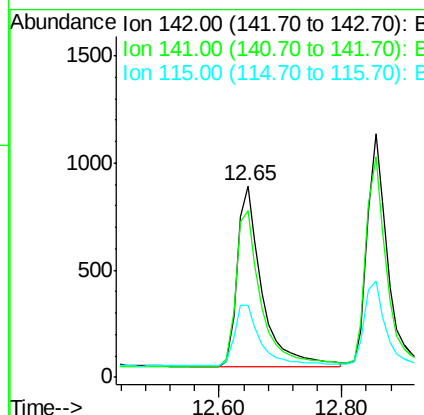
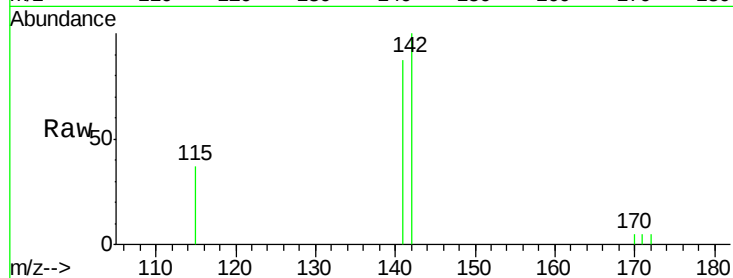
SSTDCCC0.4

Tgt Ion:142 Resp: 2373

Ion	Ratio	Lower	Upper
142	100		
141	87.4	73.7	110.5
115	37.5	34.0	51.0

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.81 min Scan# 980

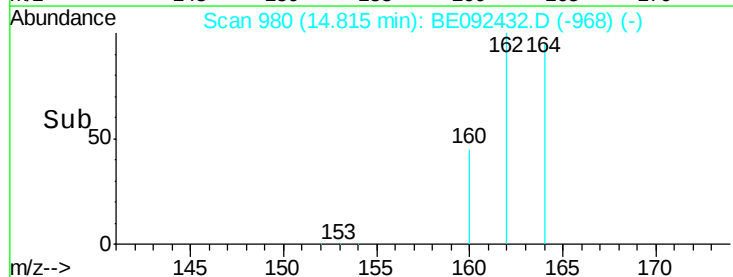
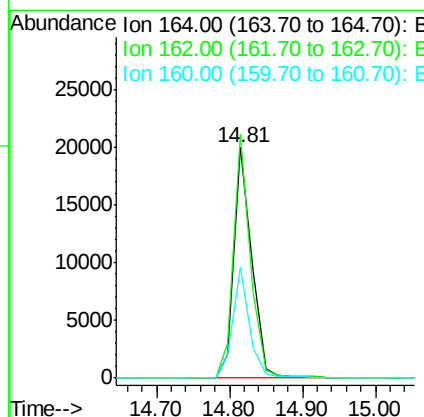
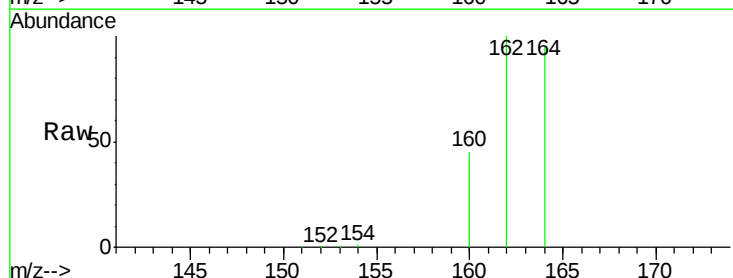
Delta R.T. -0.00 min

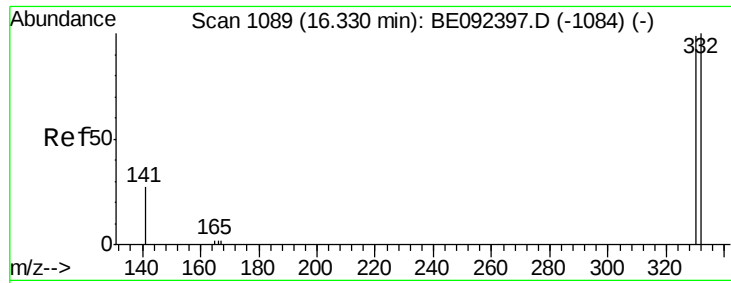
Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:164 Resp: 33178

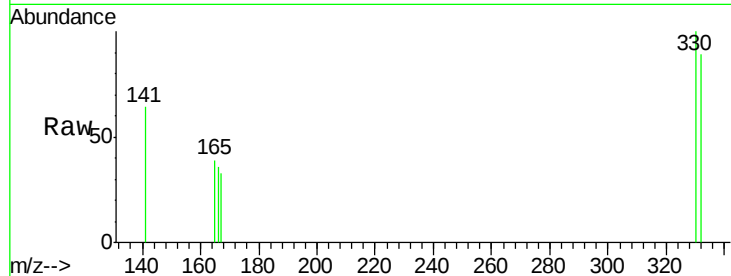
Ion	Ratio	Lower	Upper
164	100		
162	105.6	71.4	107.0
160	47.8	27.4	41.2#





#13
 2,4,6-Tribromophenol
 Concen: 0.38 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

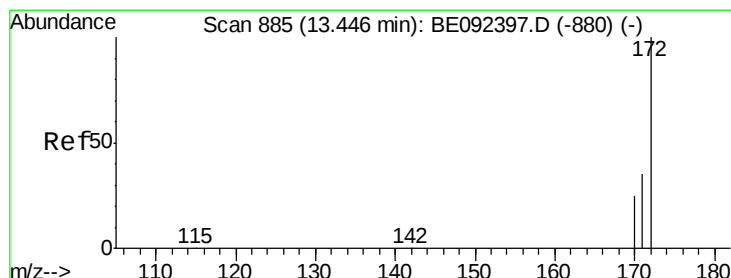
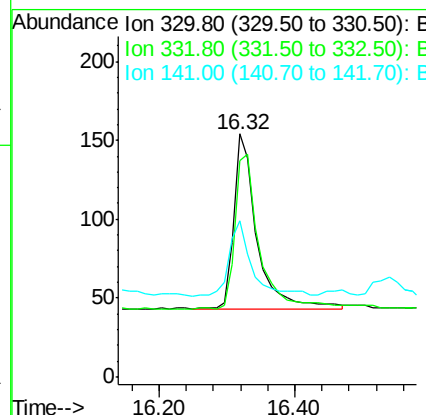
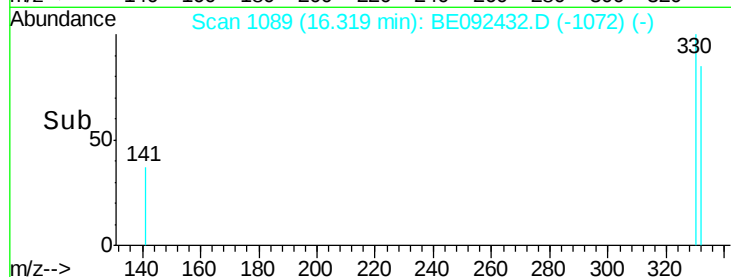
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4



Tgt Ion: 330 Resp: 267
 Ion Ratio Lower Upper
 330 100
 332 92.9 75.4 113.0
 141 42.3 31.0 46.6

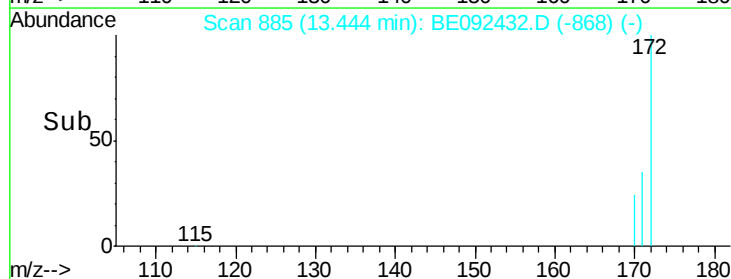
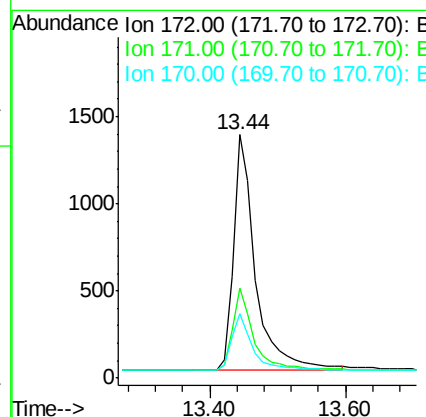
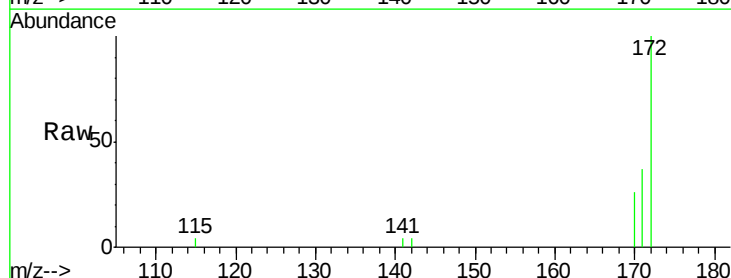
Manual Integrations
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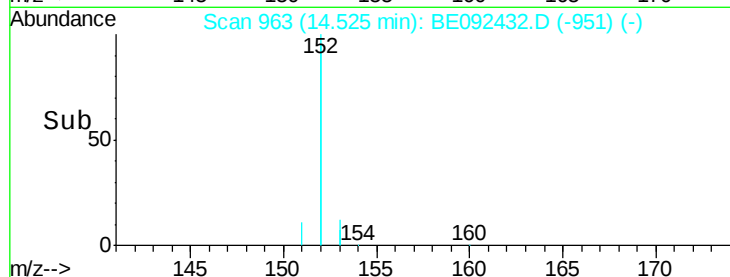
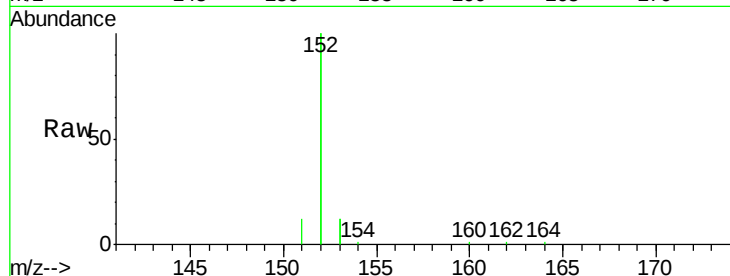
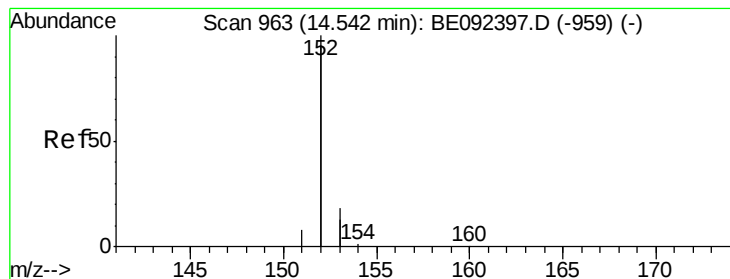
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#14
 2-Fluorobiphenyl
 Concen: 0.39 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Tgt Ion: 172 Resp: 3074
 Ion Ratio Lower Upper
 172 100
 171 37.2 30.1 45.1
 170 26.4 21.8 32.6





#15

Acenaphthylene

Concen: 0.37 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	152	Resp:	17607
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	12.9	10.4	15.6

Instrument :

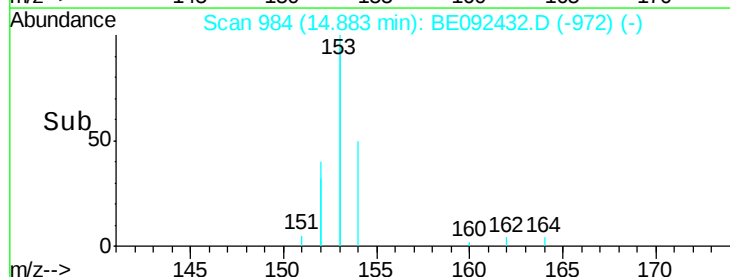
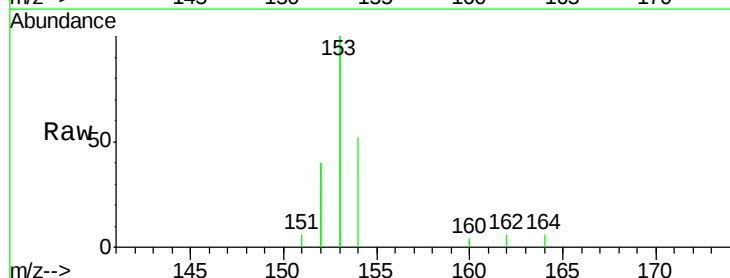
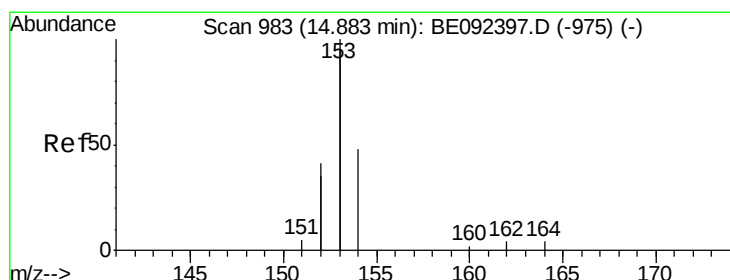
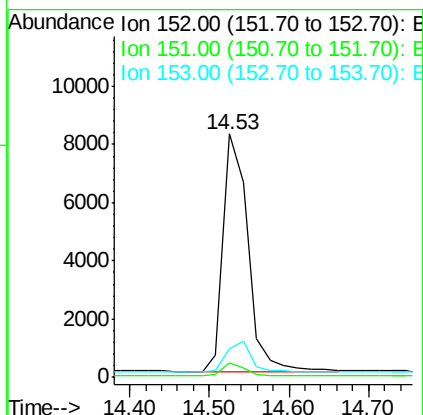
BNA_E

ClientSampleId :

SSTDCCC0.4

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#16

Acenaphthene

Concen: 0.39 ng

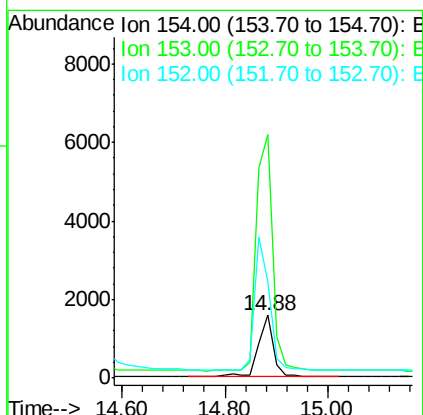
RT: 14.88 min Scan# 984

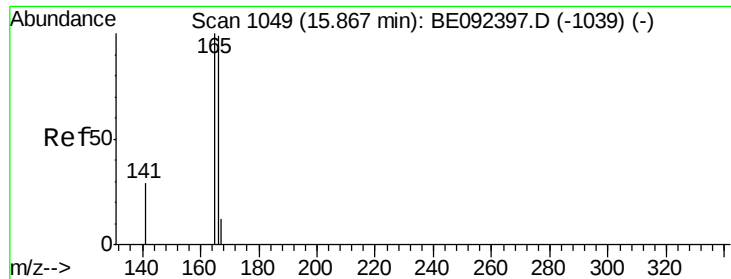
Delta R.T. -0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	154	Resp:	2946
Ion Ratio	Lower	Upper	
154	100		
153	438.0	350.8	526.2
152	220.3	171.1	256.7





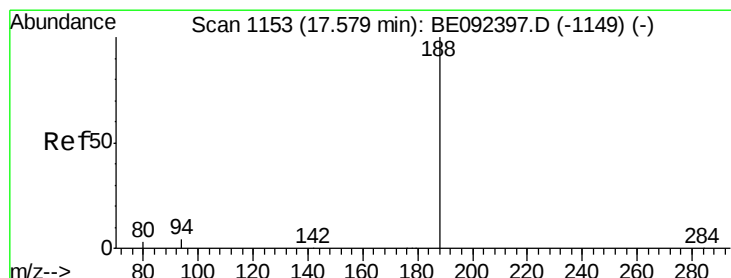
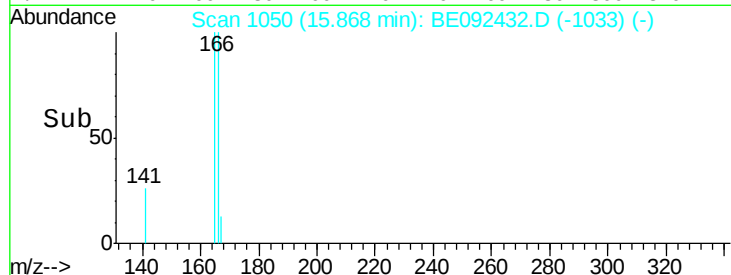
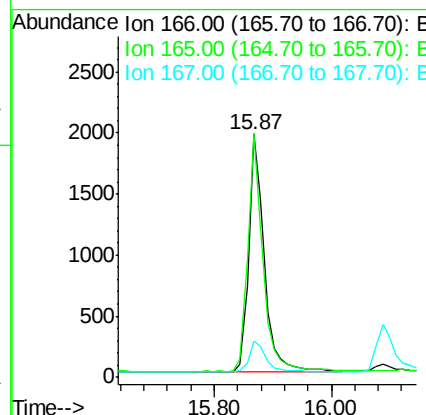
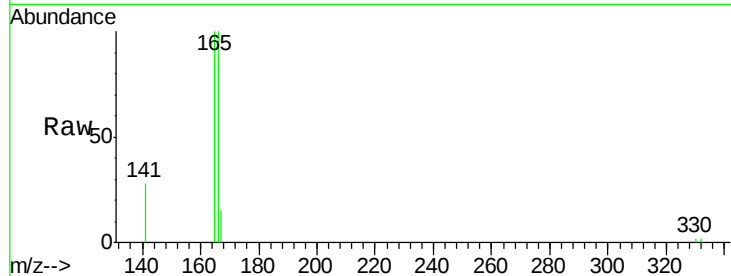
#17
Fluorene
 Concen: 0.37 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.2	117.4
167	13.5	11.0	16.4

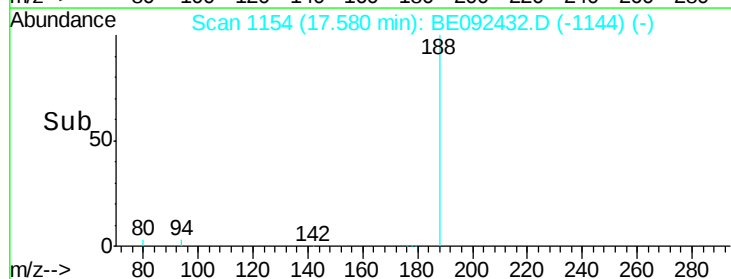
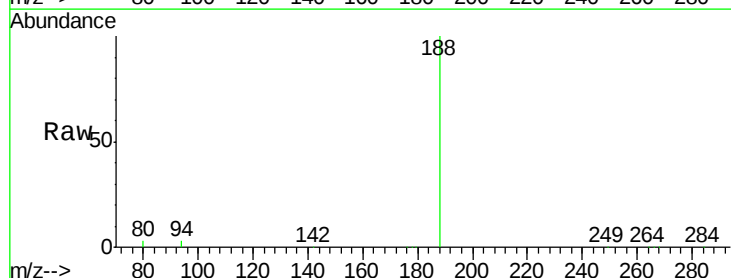
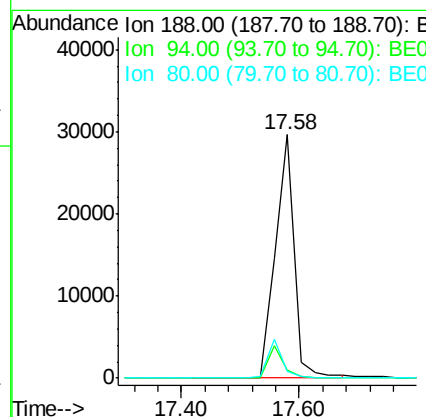
Manual Integrations
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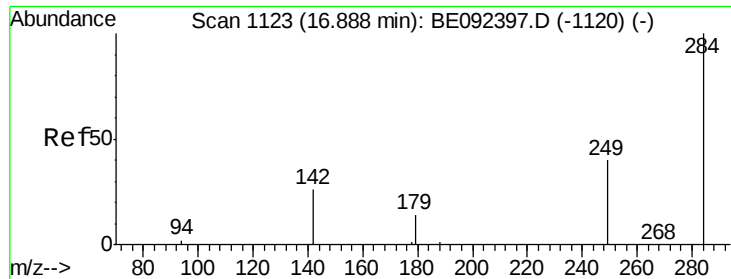
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.5	3.2	4.8
80	2.9	2.6	3.8





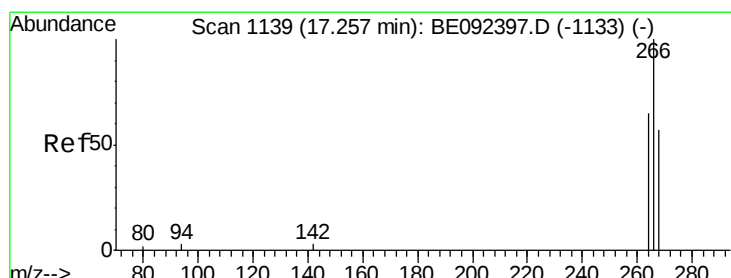
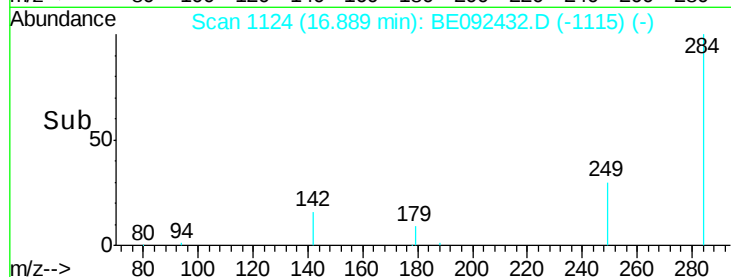
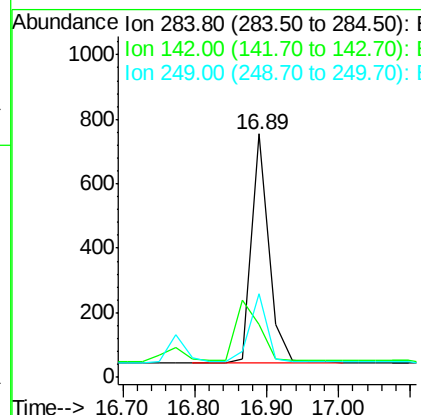
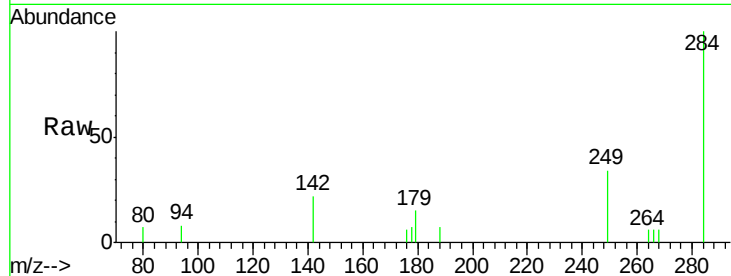
#19
Hexachlorobenzene
Concen: 0.43 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1200		
142	0.0	29.1	43.7#	
249	29.5	27.9	41.9	

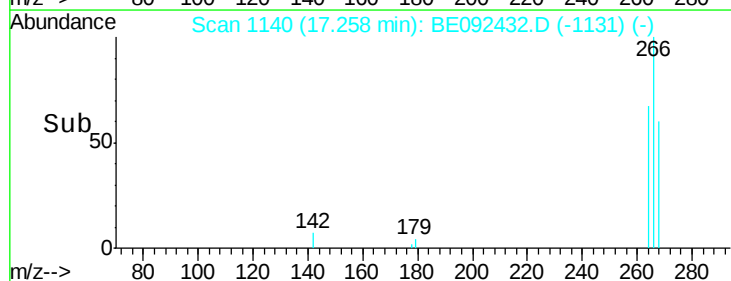
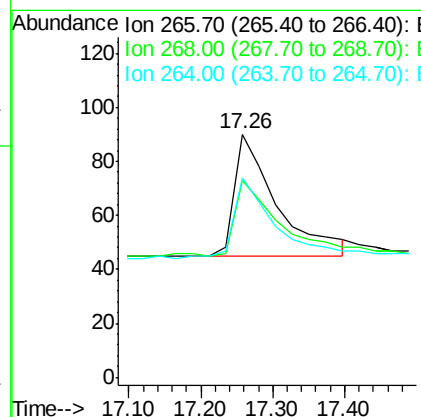
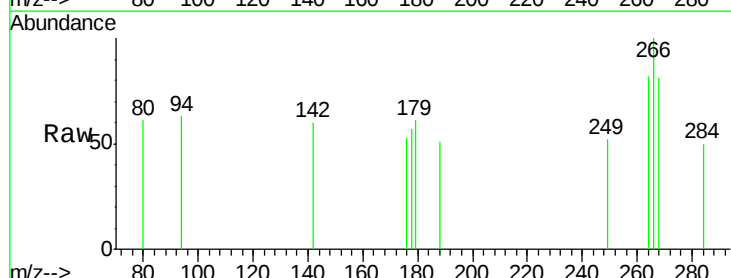
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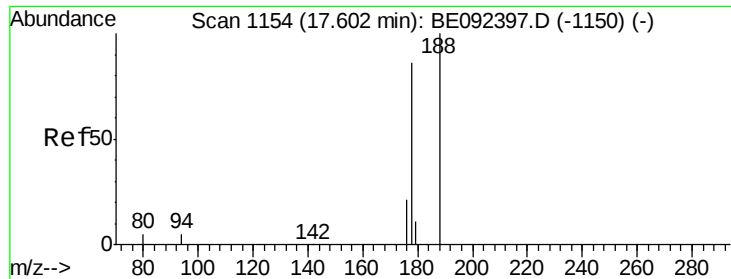
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#20
Pentachlorophenol
Concen: 0.35 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	182		
268	81.1	62.5	93.7	
264	82.2	57.2	85.8	





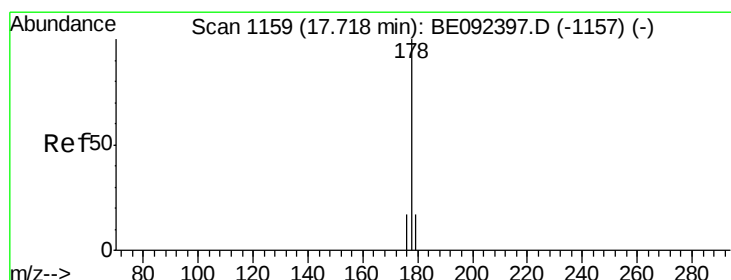
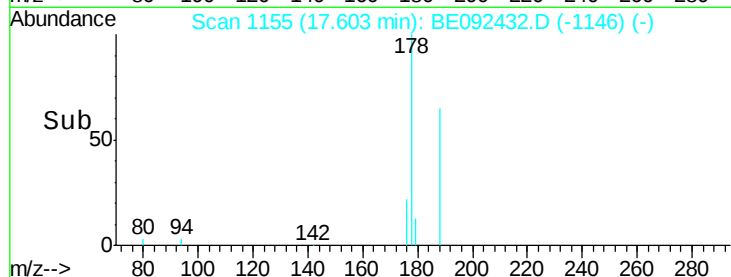
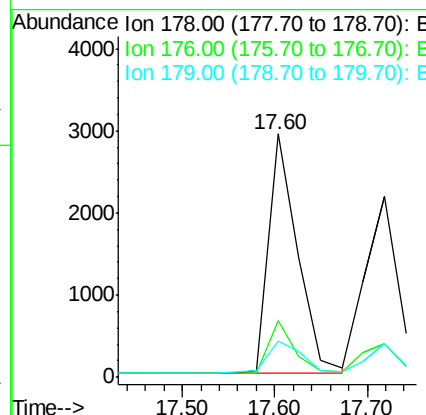
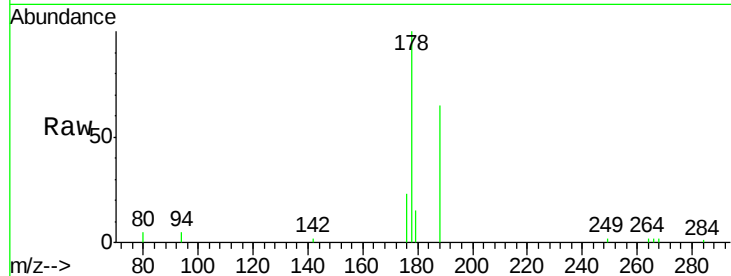
#21
Phenanthrene
Concen: 0.42 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.9	16.0	24.0

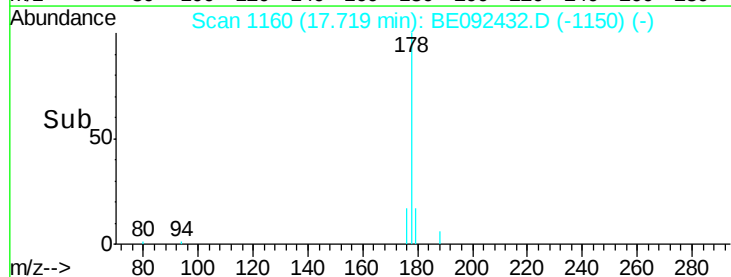
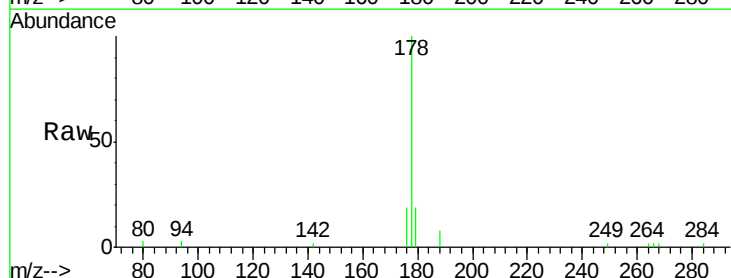
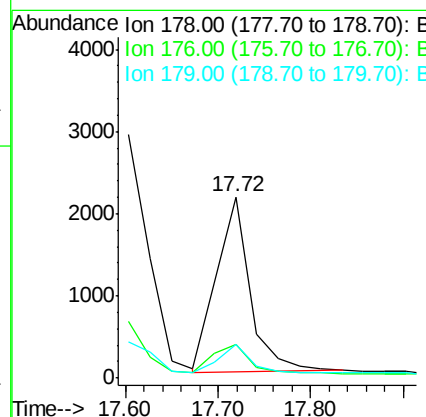
Manual Integrations
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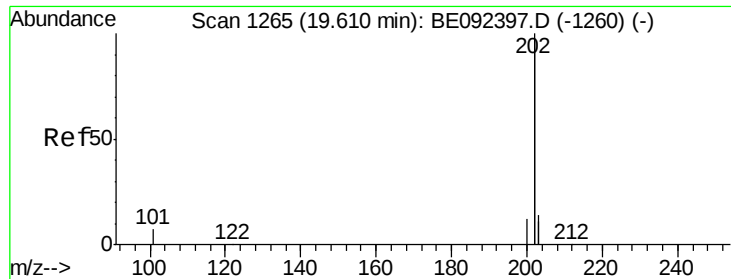
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#22
Anthracene
Concen: 0.37 ng
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.0	12.2	18.2





#23

Fluoranthene

Concen: 0.36 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Instrument :

BNA_E

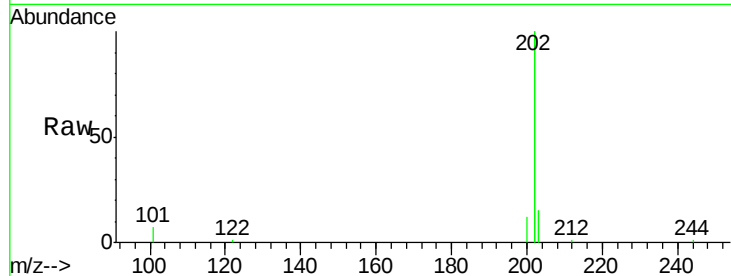
ClientSampleId :

SSTDCCC0.4

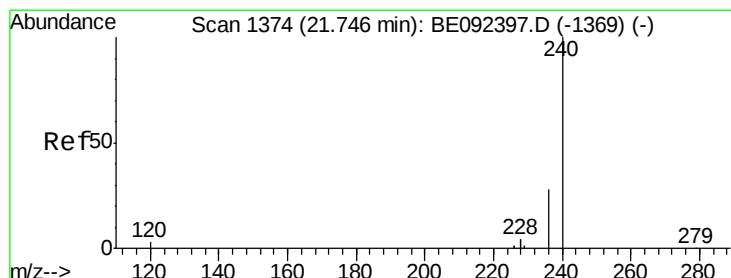
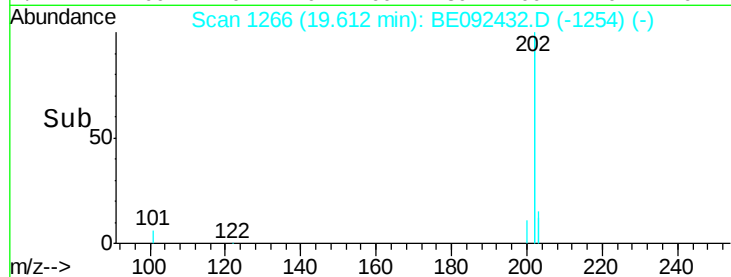
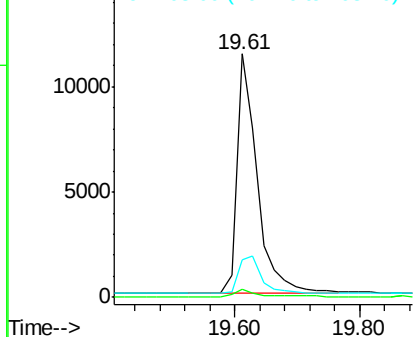
Tgt Ion:	202	Resp:	25710
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.7	13.7	20.5

Manual Integrations
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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



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

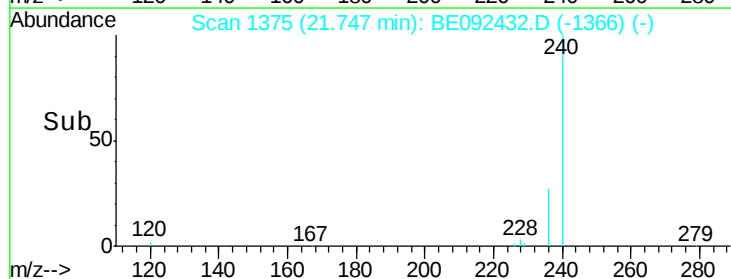
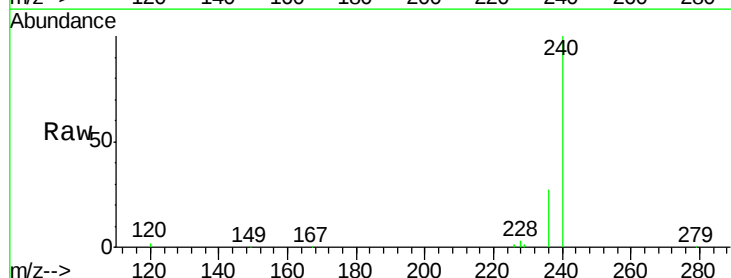
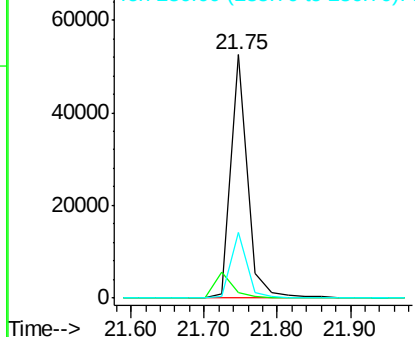
Delta R.T. 0.00 min

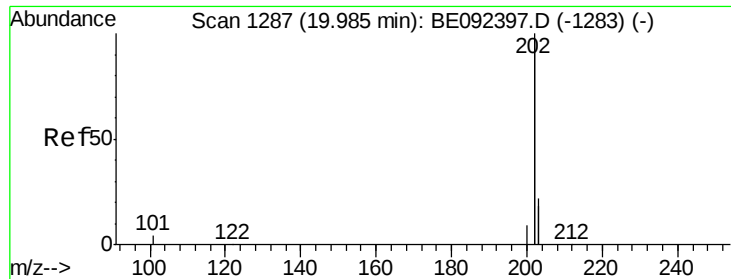
Lab File: BE092432.D

Acq: 30 Sep 2016 11:30

Tgt Ion:	240	Resp:	83243
Ion Ratio	Lower	Upper	
240	100		
120	2.2	2.6	4.0#
236	26.8	24.6	37.0

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





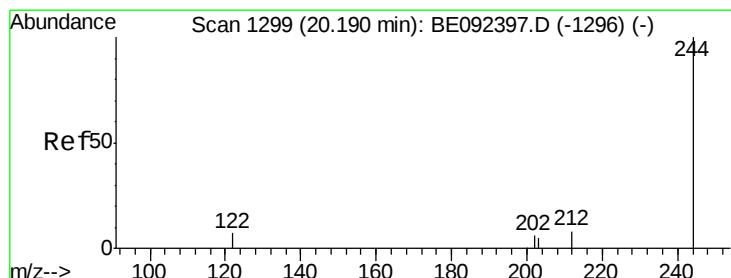
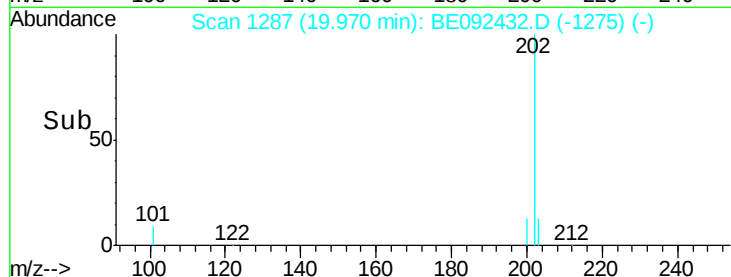
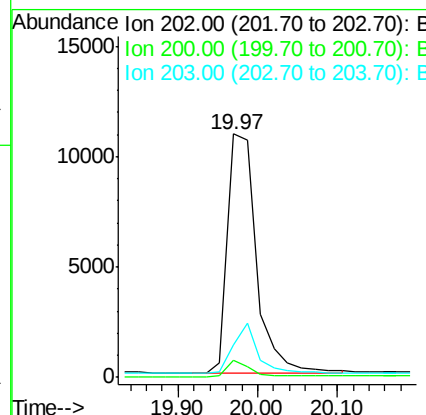
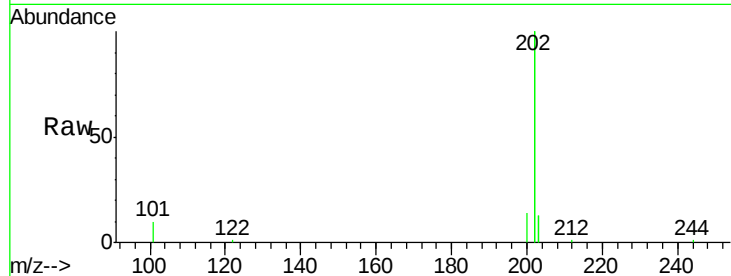
#25
 Pyrene
 Concen: 0.38 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Instrument :
 BNA_E
 ClientSampled :
 SSTDCCC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	27174		
200	5.3	4.2	6.4	
203	17.4	13.9	20.9	

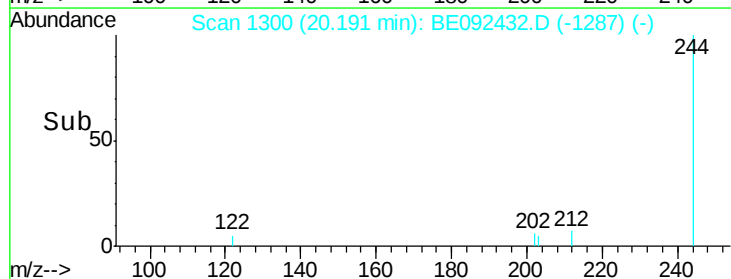
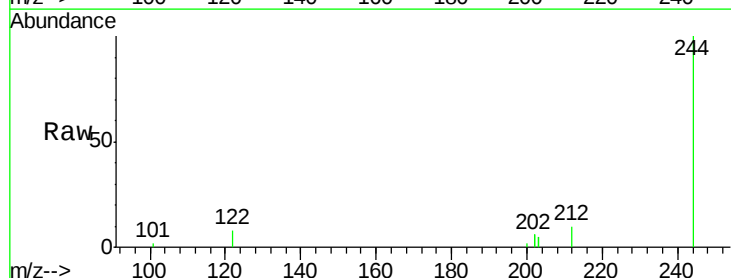
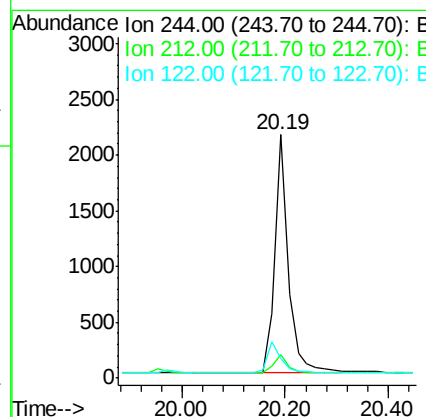
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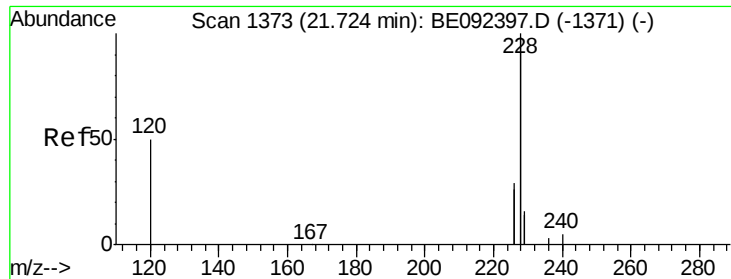
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#26
 Terphenyl-d14
 Concen: 0.37 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	3870		
212	9.7	6.7	10.1	
122	8.2	3.6	5.4	





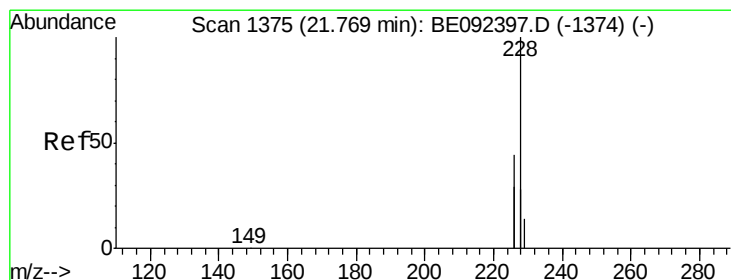
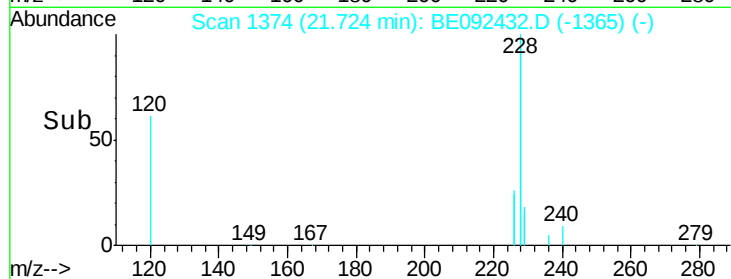
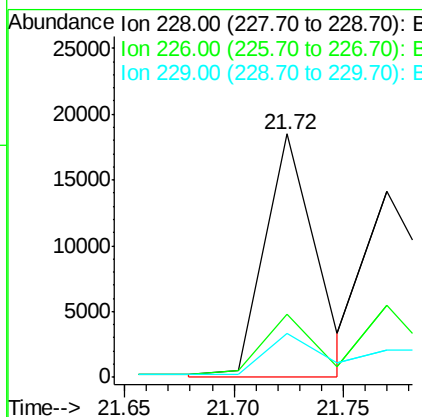
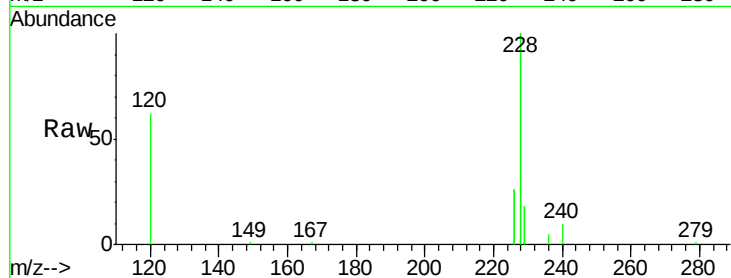
#27
Benzo(a)anthracene
Concen: 0.38 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	23.6	35.4
229	18.1	13.3	19.9

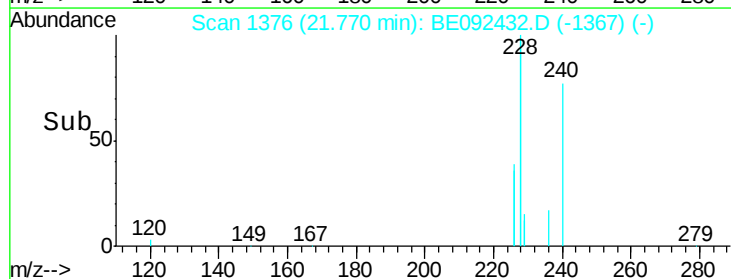
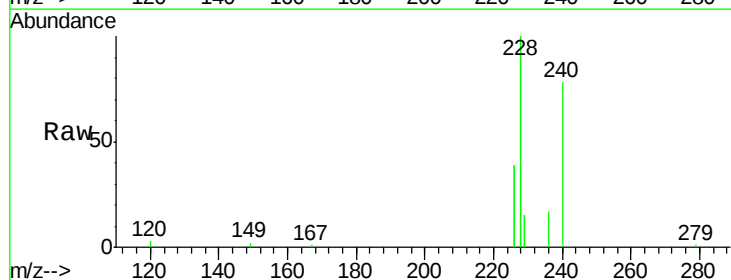
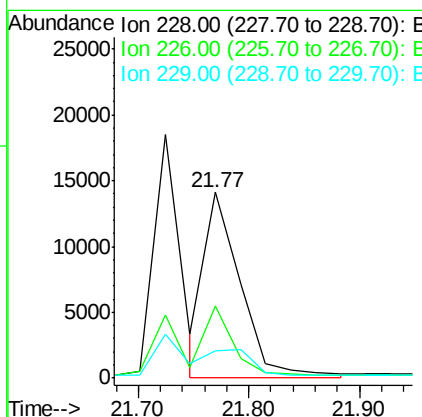
Manual Integrations
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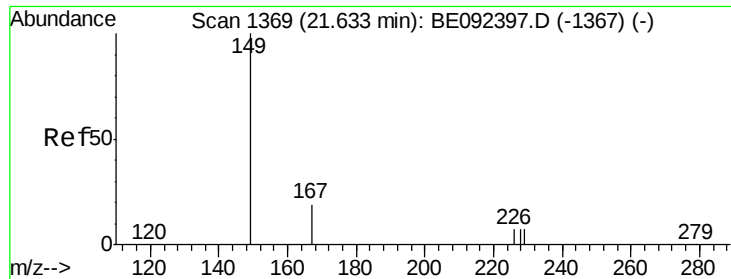
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#28
Chrysene
Concen: 0.43 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.7	36.3	54.5
229	14.9	10.6	16.0





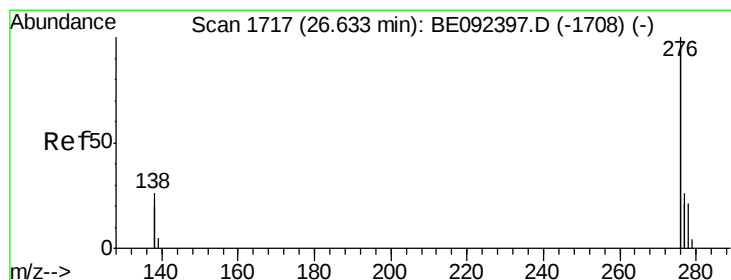
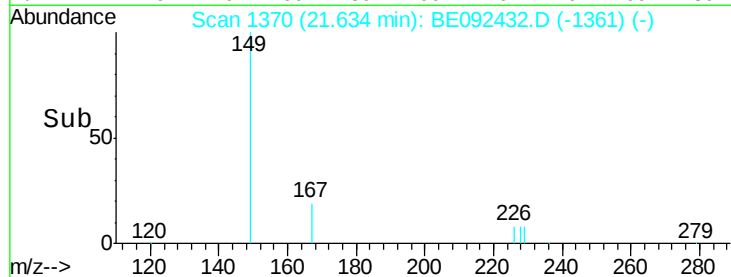
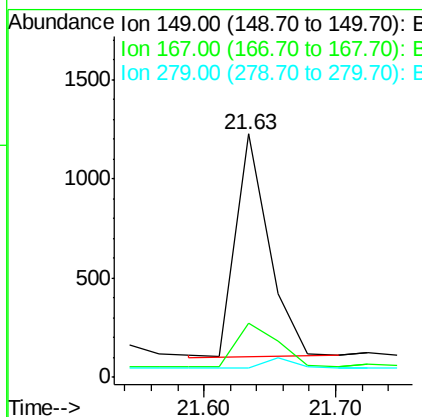
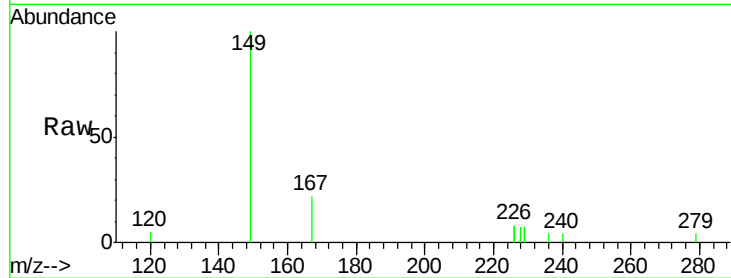
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.28 ng
 RT: 21.63 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.5	16.0	24.0#
279	0.0	16.0	24.0#

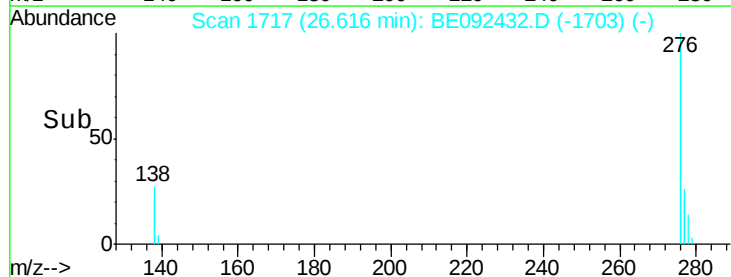
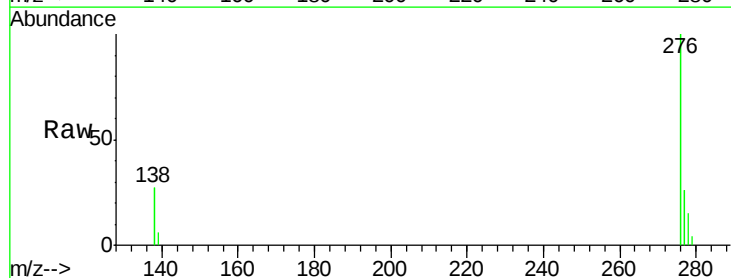
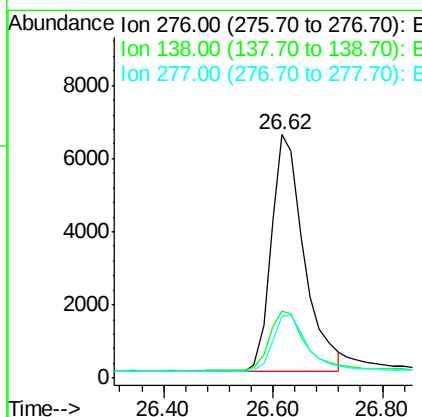
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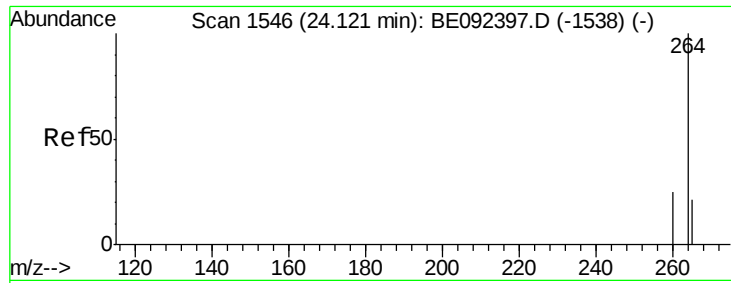
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.34 ng
 RT: 26.62 min Scan# 1717
 Delta R.T. 0.04 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.0	20.3	30.5
277	24.7	19.7	29.5





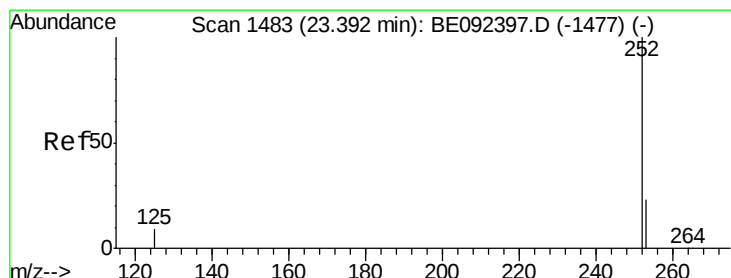
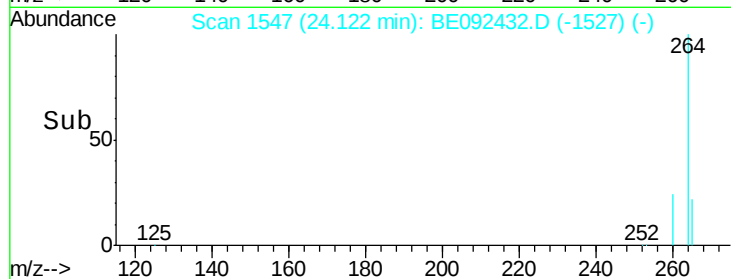
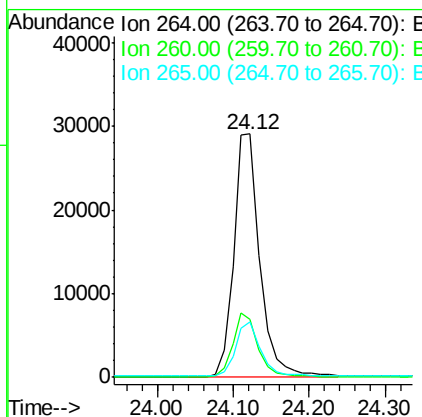
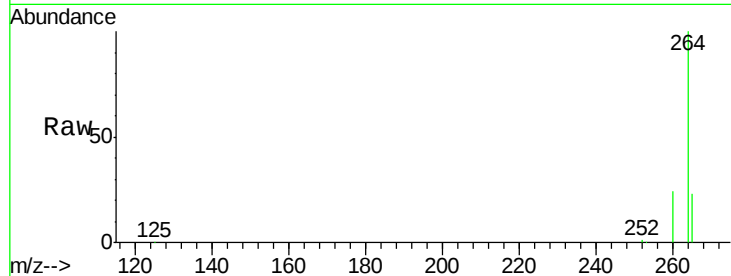
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1547
 Delta R.T. 0.04 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	69843		
260	23.9		20.1	30.1
265	22.6		17.9	26.9

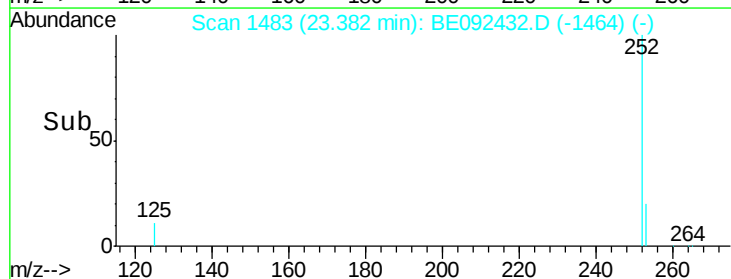
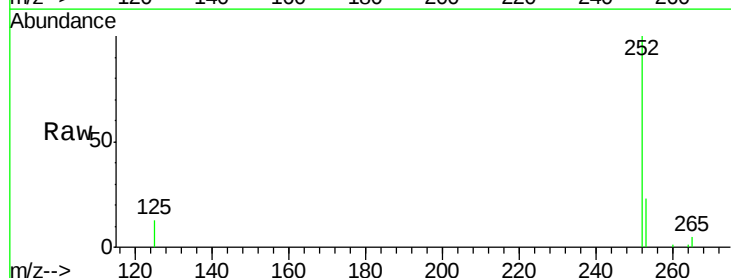
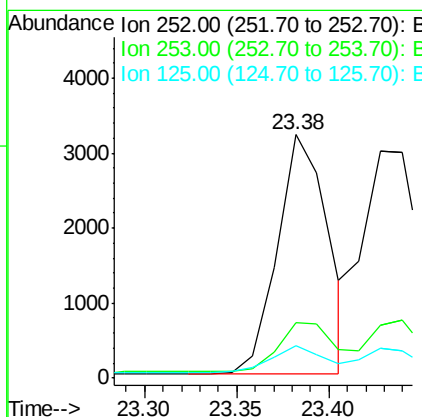
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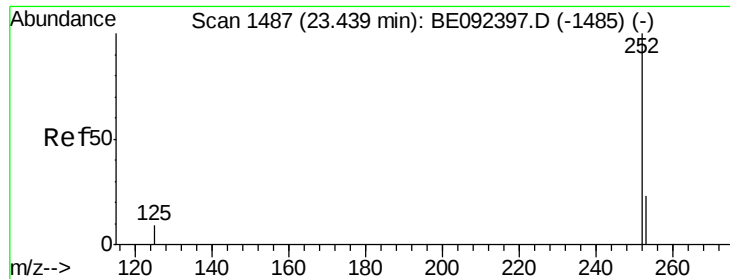
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#32
 Benzo(b)fluoranthene
 Concen: 0.36 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. 0.02 min
 Lab File: BE092432.D
 Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	6091		
253	22.6		18.7	28.1
125	13.3		10.5	15.7





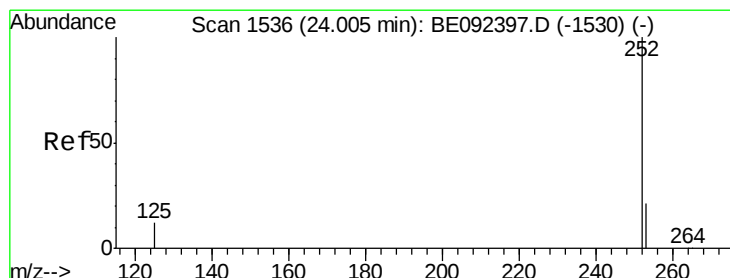
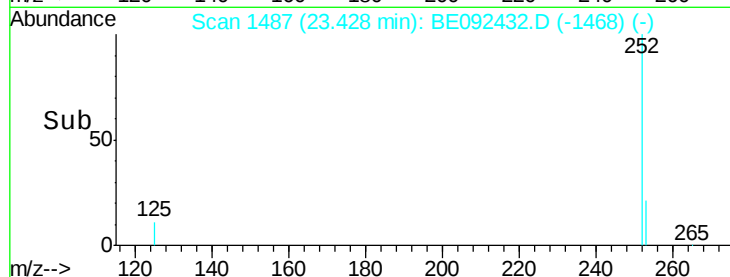
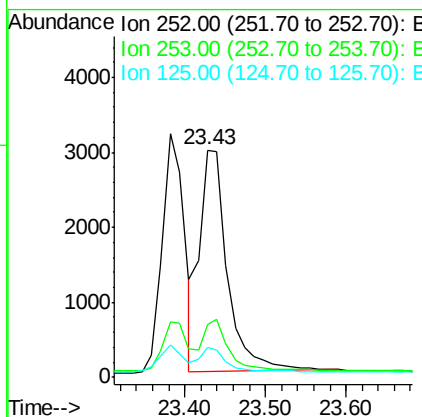
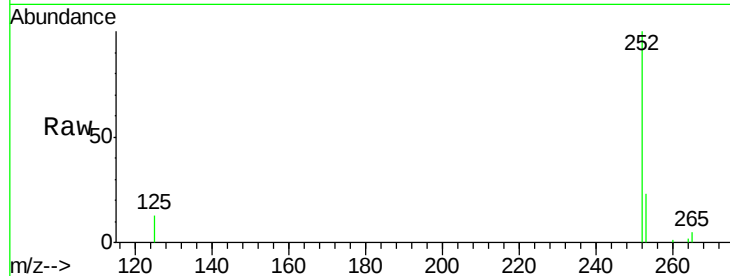
#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.3	30.5
125	13.1	9.6	14.4

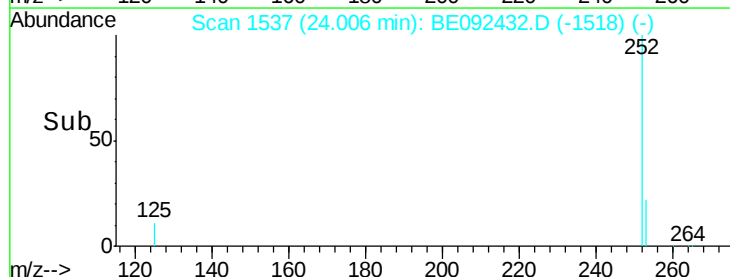
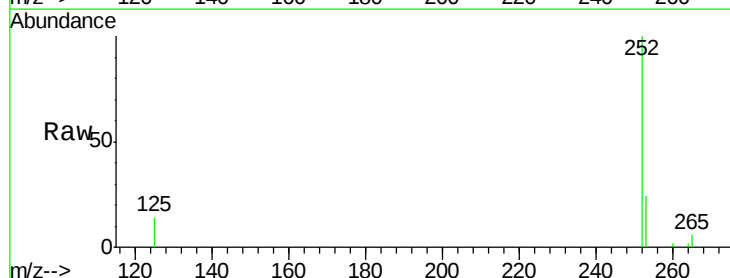
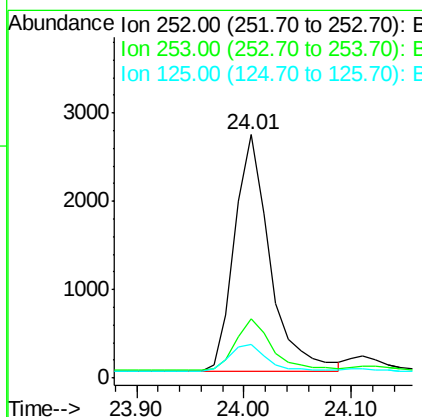
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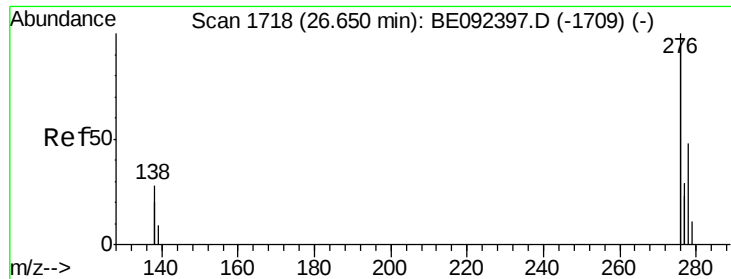
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10/3/2016 6:47:00 PM



#34
Benzo(a)pyrene
Concen: 0.37 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	13.8	11.8	17.8





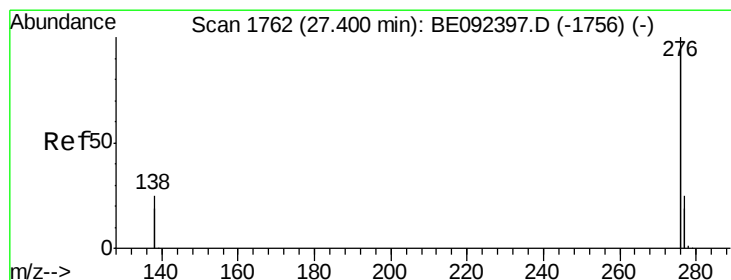
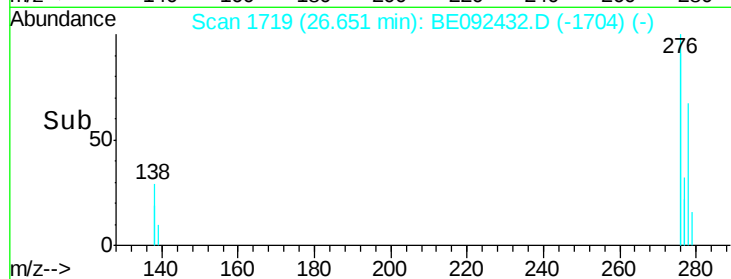
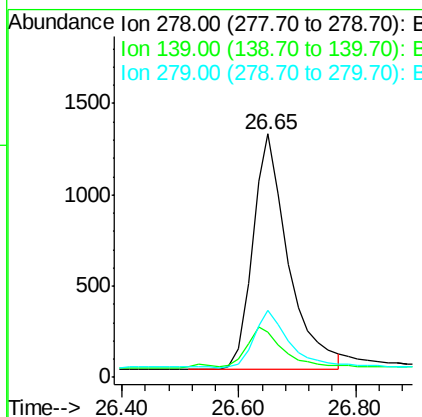
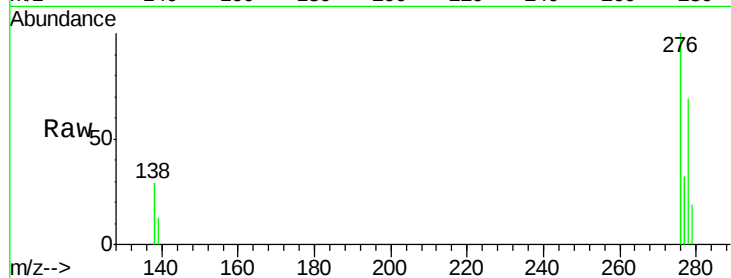
#35
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.6	13.8	20.8
279	27.4	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.37 ng
RT: 27.40 min Scan# 1763
Delta R.T. 0.05 min
Lab File: BE092432.D
Acq: 30 Sep 2016 11:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	19.8	29.8
138	24.1	19.8	29.6

