

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
 Data File : BE092290.D
 Acq On : 29 Aug 2016 15:11
 Operator : UM/SJ
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Manual Integrations
 APPROVED

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Quant Time: Aug 29 16:12:30 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 29 14:46:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	11063	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	51744	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	29185	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	69281	5.00	ng	0.00
24) Chrysene-d12	21.75	240	90223	5.00	ng	0.00
31) Perylene-d12	24.12	264	78205	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	7842	3.24	ng	-0.02
5) Phenol-d6	7.34	99	10709	3.08	ng	-0.04
8) Nitrobenzene-d5	9.34	82	11056	3.03	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	2956	3.39	ng	-0.01
14) 2-Fluorobiphenyl	13.44	172	27012	2.99	ng	-0.01
26) Terphenyl-d14	20.17	244	35969	2.36	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.43	88	4225	2.99	ng	94
3) n-Nitrosodimethylamine	3.78	42	6162	3.59	ng	98
6) bis(2-Chloroethyl)ether	7.59	93	9616	3.41	ng	94
9) Naphthalene	11.01	128	33843	2.92	ng	# 95
10) Hexachlorobutadiene	11.30	225	5032	3.00	ng	98
11) 2-Methylnaphthalene	12.64	142	21925	3.03	ng	95
15) Acenaphthylene	14.54	152	151407	3.00	ng	99
16) Acenaphthene	14.88	154	23307	2.88	ng	96
17) Fluorene	15.87	166	30070	3.07	ng	99
19) Hexachlorobenzene	16.89	284	8955	3.26	ng	# 100
20) Pentachlorophenol	17.23	266	2820	4.84	ng	# 80
21) Phenanthrene	17.60	178	48138	2.69	ng	98
22) Anthracene	17.70	178	46669m	2.88	ng	
23) Fluoranthene	19.61	202	235336	3.31	ng	100
25) Pyrene	19.97	202	245951	2.30	ng	100
27) Benzo(a)anthracene	21.72	228	275978m	2.55	ng	
28) Chrysene	21.77	228	230893m	2.31	ng	
29) Bis(2-ethylhexyl)phthalate	21.66	149	19010	1.37	ng	# 96
30) Indeno(1,2,3-cd)pyrene	26.62	276	270130	2.51	ng	99
32) Benzo(b)fluoranthene	23.38	252	58312	2.84	ng	# 95
33) Benzo(k)fluoranthene	23.43	252	63948	3.09	ng	# 94
34) Benzo(a)pyrene	24.01	252	59091	3.05	ng	# 92
35) Dibenzo(a,h)anthracene	26.63	278	54823	3.04	ng	# 93
36) Benzo(g,h,i)perylene	27.38	276	230135	2.97	ng	93

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

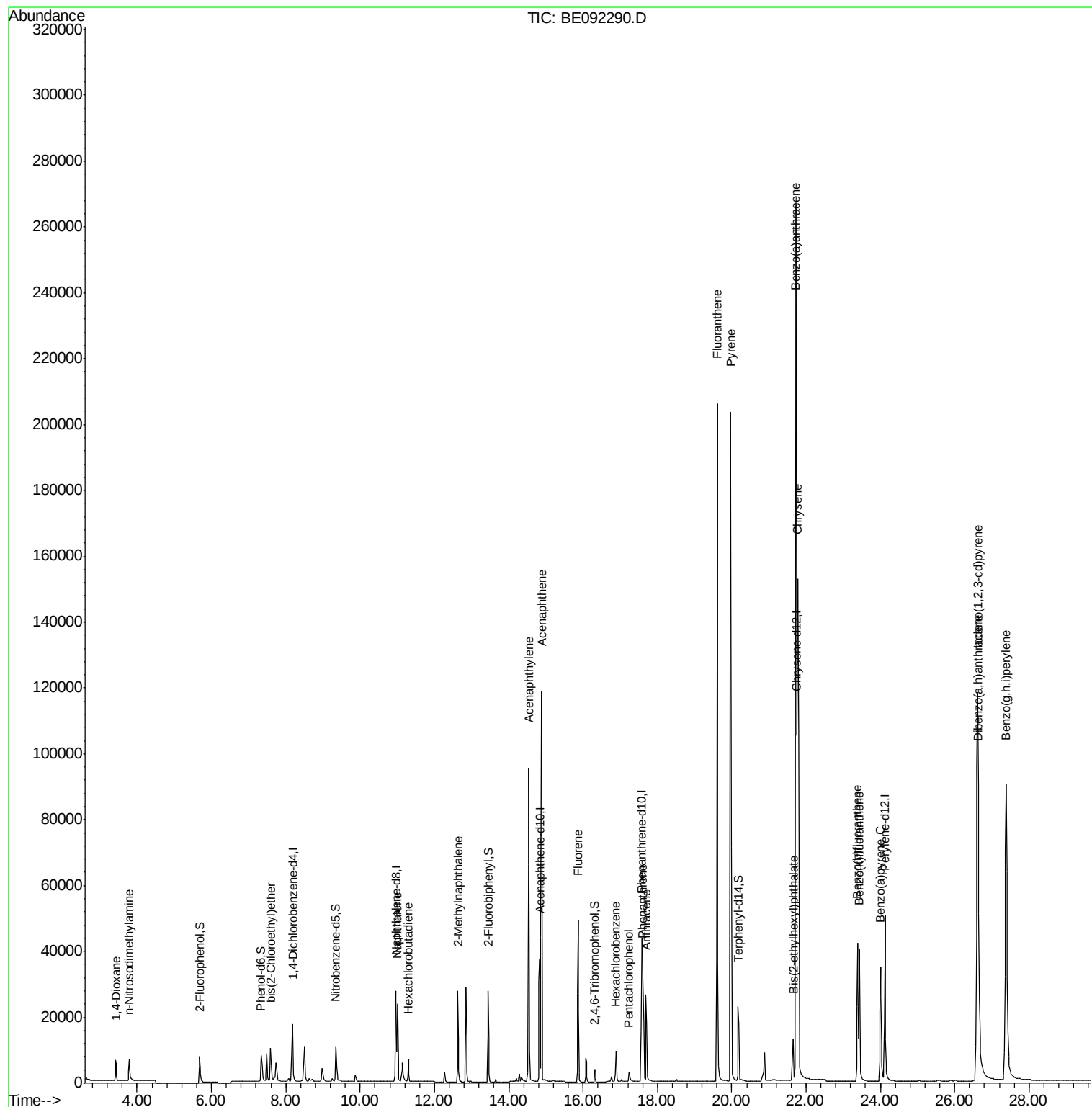
Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
Data File : BE092290.D
Acq On : 29 Aug 2016 15:11
Operator : UM/SJ
Sample : SSTDIC3.2
Misc :
ALS Vial : 8 Sample Multiplier: 1

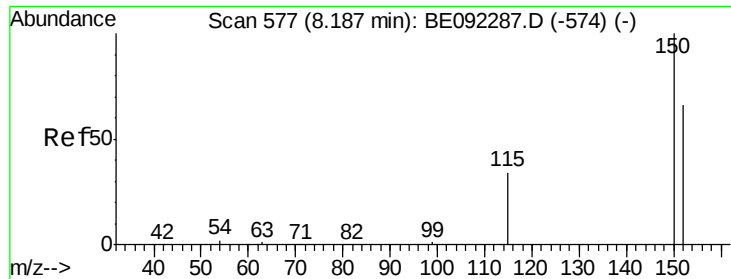
Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

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Quant Time: Aug 29 16:12:30 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

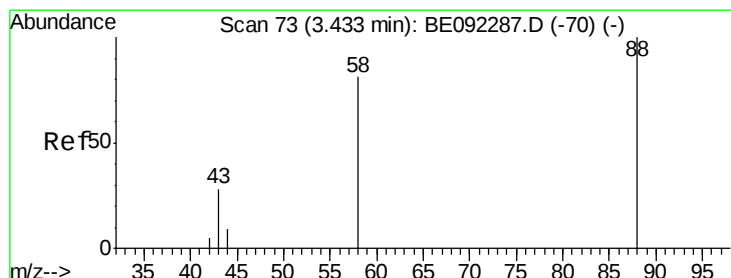
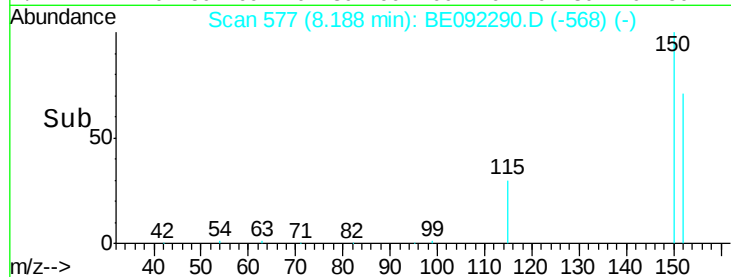
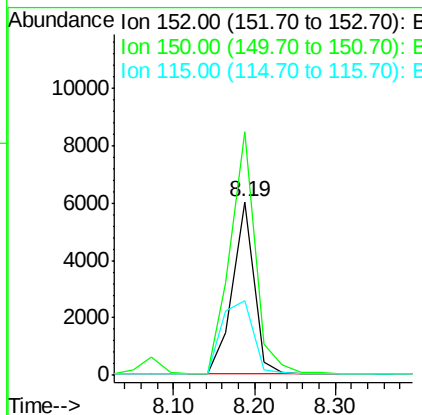
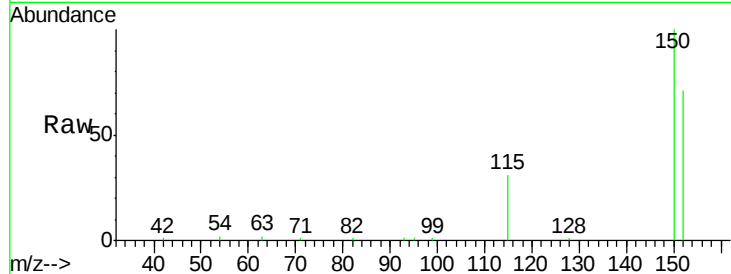
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
152	100		
150	140.2	135.6	203.4
115	43.0	59.4	89.0

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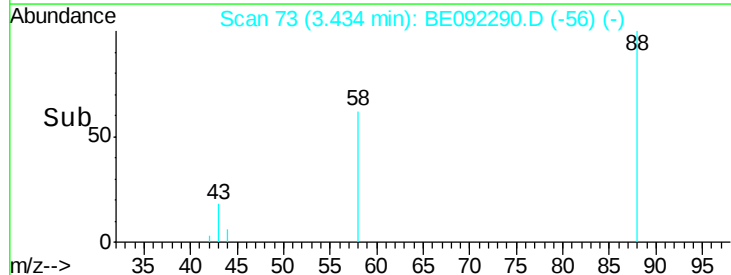
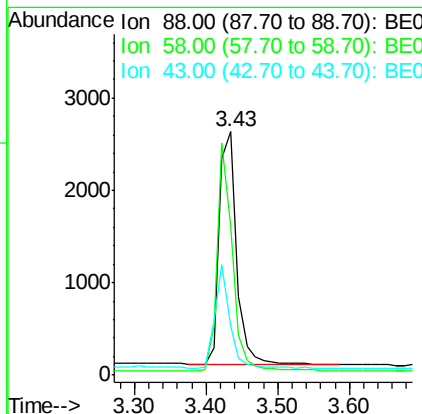
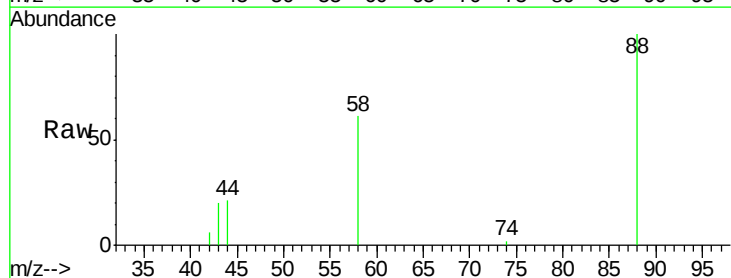
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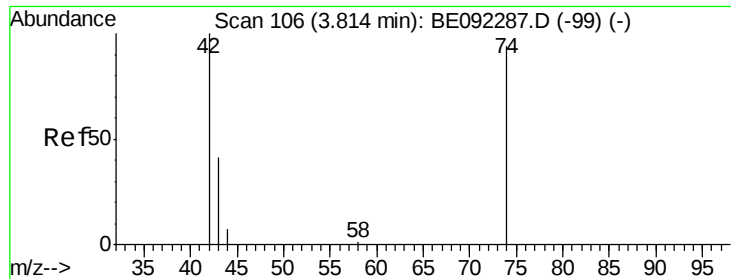


#2

1,4-Dioxane
Concen: 2.99 ng
RT: 3.43 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.1	64.4	96.6
43	37.9	33.4	50.2





#3

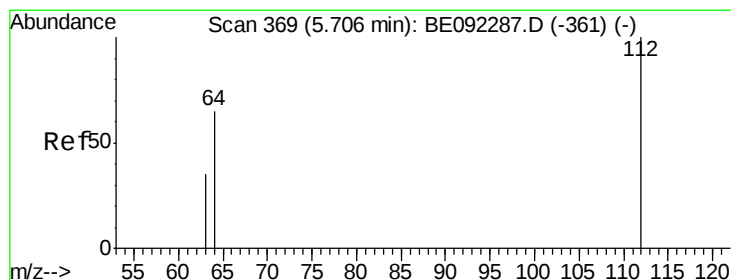
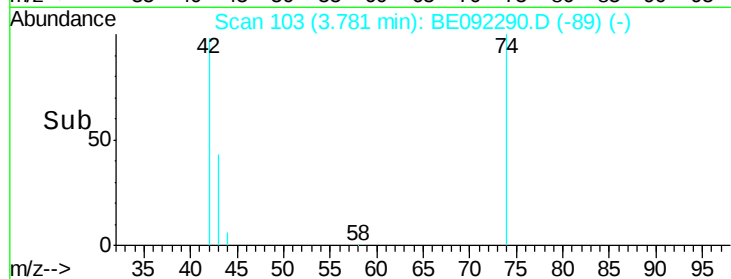
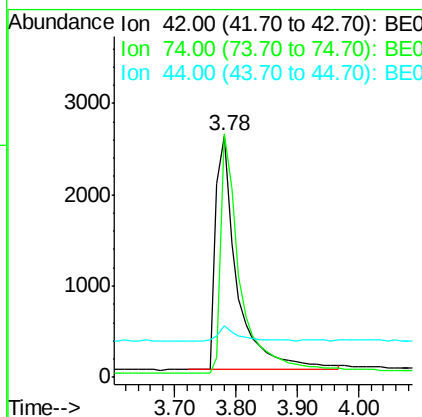
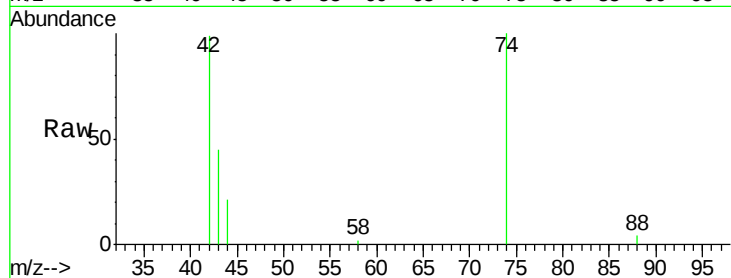
n-Nitrosodimethylamine
Concen: 3.59 ng
RT: 3.78 min Scan# 103
Delta R.T. -0.03 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
42	100		
74	93.9	77.2	115.8
44	6.1	5.0	7.4

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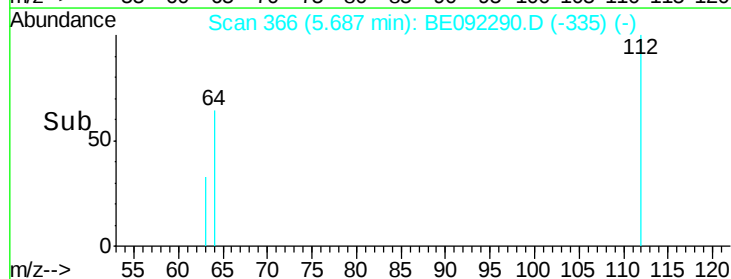
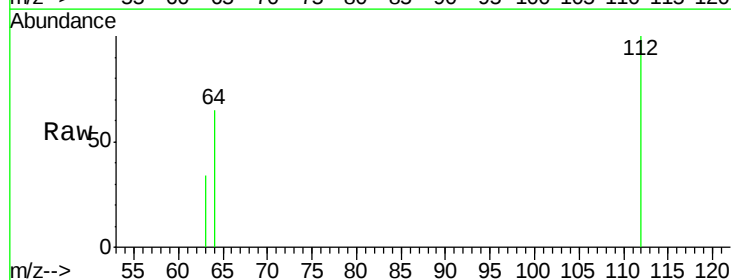
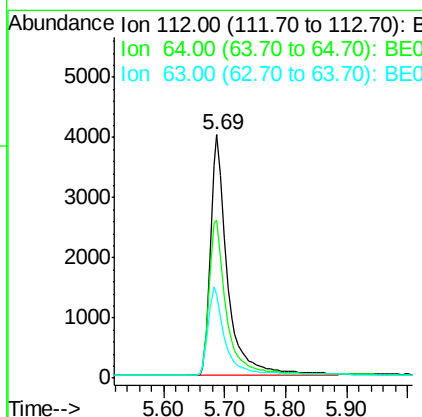
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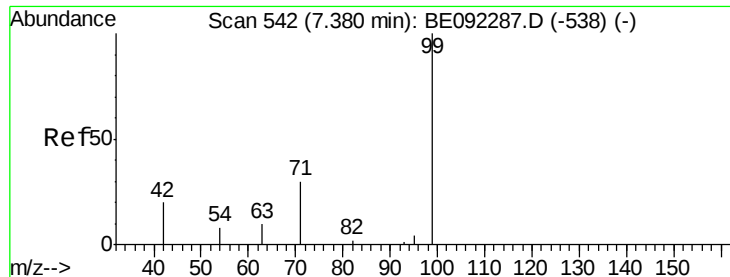


#4

2-Fluorophenol
Concen: 3.24 ng
RT: 5.69 min Scan# 366
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	53.2	79.8
63	36.7	27.4	41.2





#5

Phenol-d6

Concen: 3.08 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.04 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

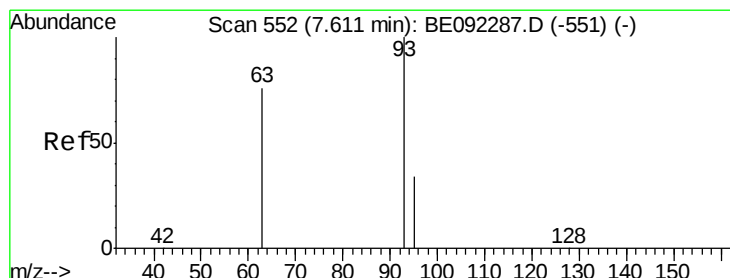
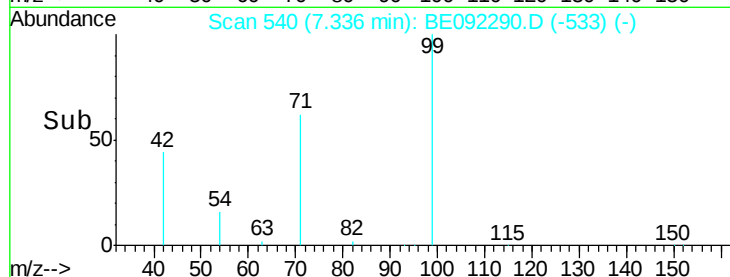
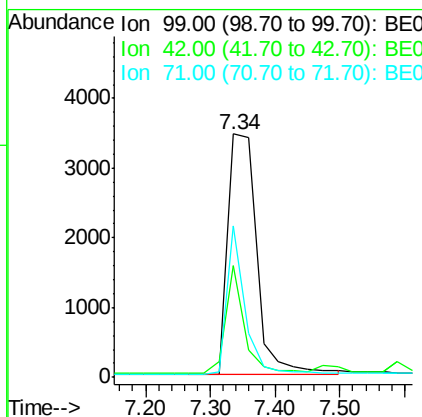
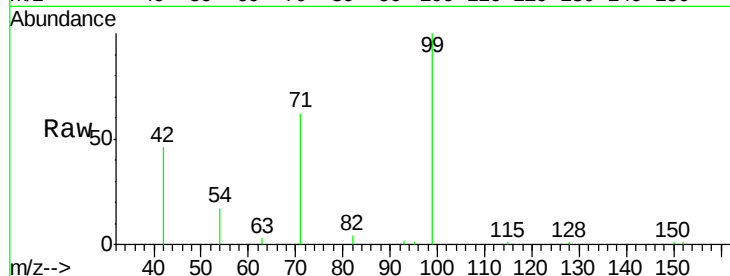
ClientSampleId :

SSTDICC3.2

Tot Ion	Ratio	Resp	Lower	Upper
99	100	10709		
42	28.2		0.0	0.0#
71	38.8		29.8	44.8

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#6

bis(2-Chloroethyl)ether

Concen: 3.41 ng

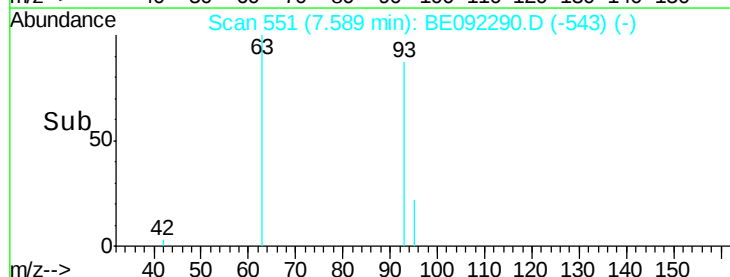
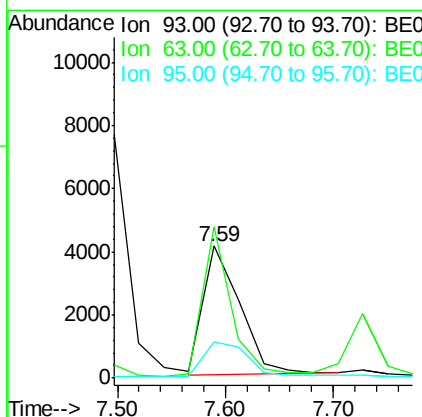
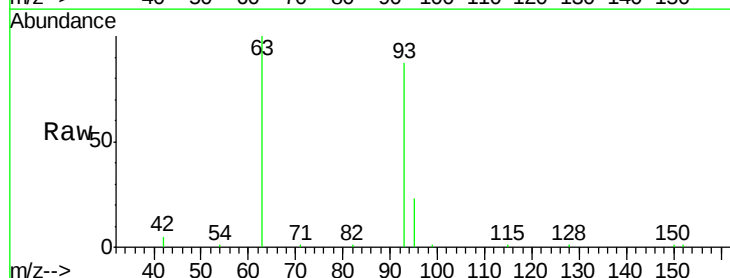
RT: 7.59 min Scan# 551

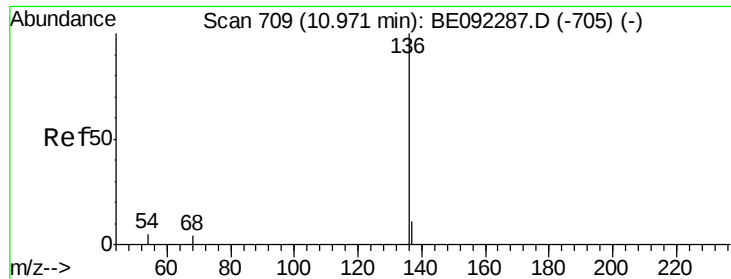
Delta R.T. -0.02 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	9616		
63	91.9		68.5	102.7
95	32.7		27.2	40.8





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

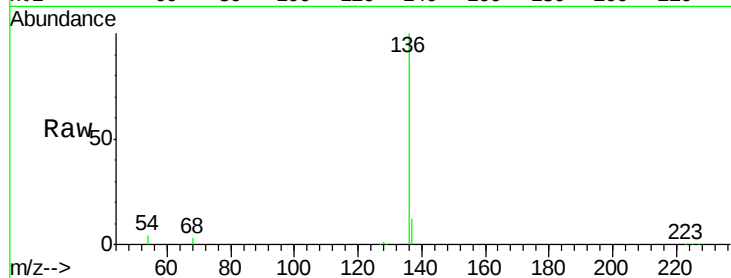
ClientSampleId :

SSTDICC3.2

Tot Ion	136	Resp	51744
Ion	Ratio	Lower	Upper
136	100		
137	12.3	8.8	13.2
54	3.9	6.2	9.4#
68	3.2	4.6	6.8#

Manual Integrations
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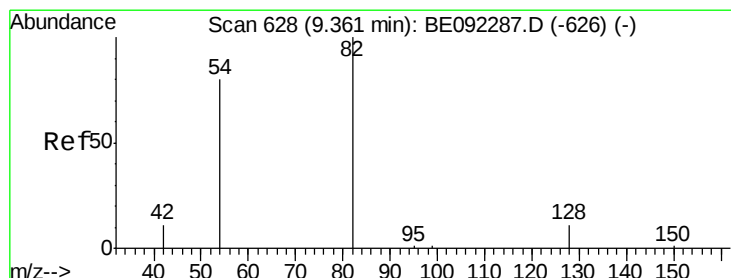
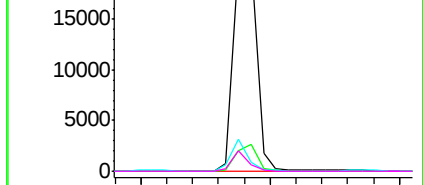
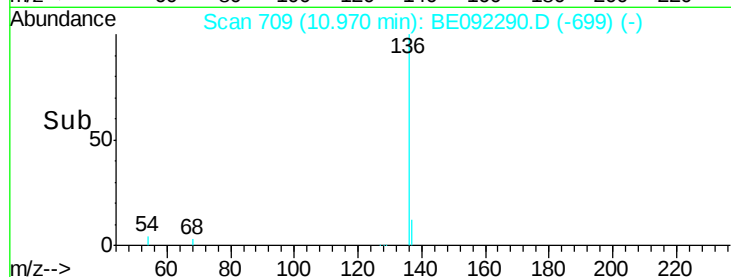
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



#8

Nitrobenzene-d5

Concen: 3.03 ng

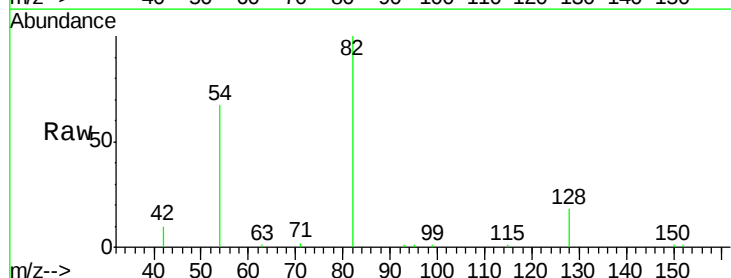
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Tgt Ion	82	Resp	11056
Ion	Ratio	Lower	Upper
82	100		
128	17.7	45.0	67.4#
54	66.6	45.4	68.2

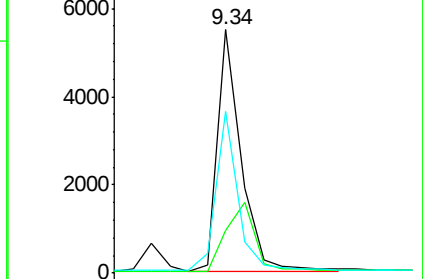
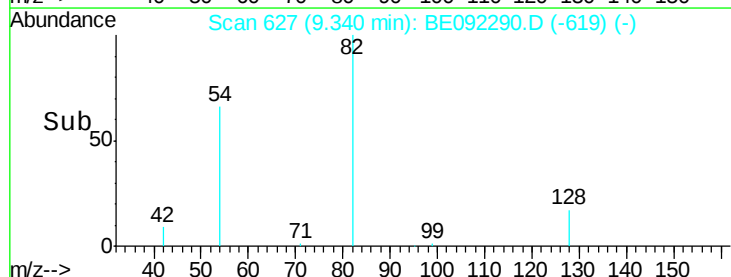


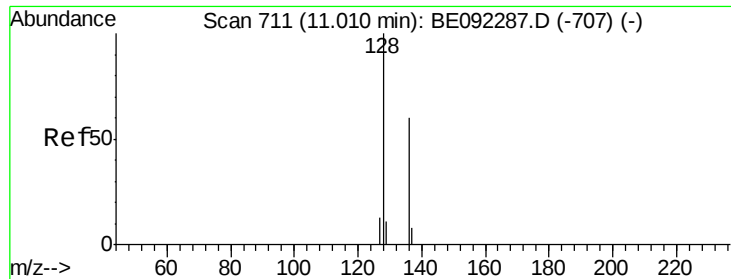
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->





#9

Naphthalene

Concen: 2.92 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

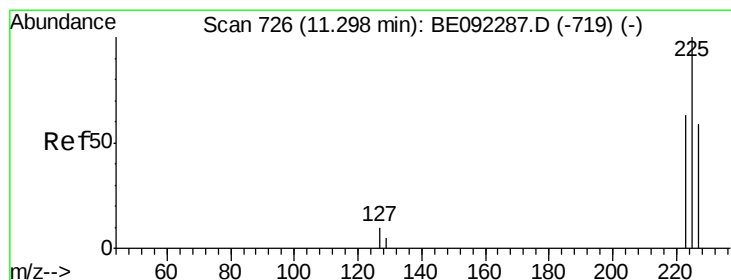
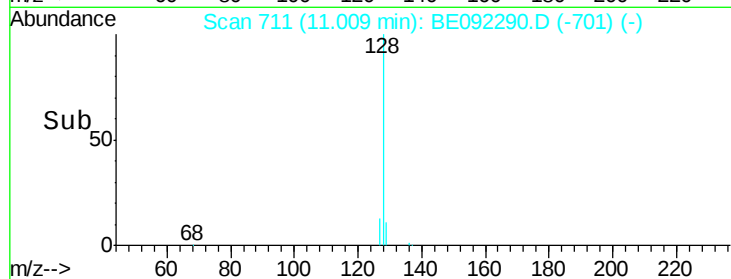
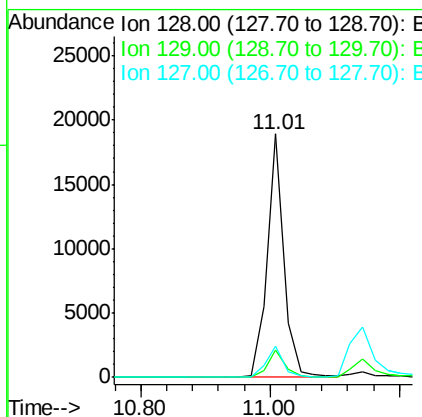
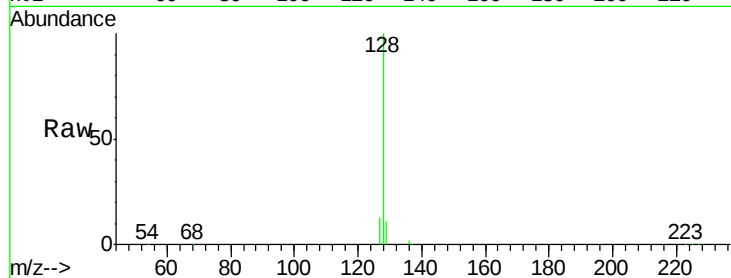
ClientSampleId :

SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	11.5	17.3#
127	12.9	11.0	16.6

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#10

Hexachlorobutadiene

Concen: 3.00 ng

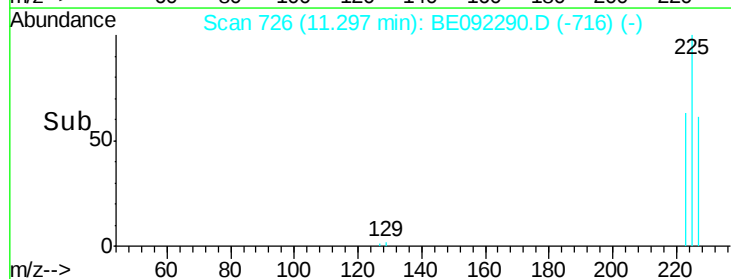
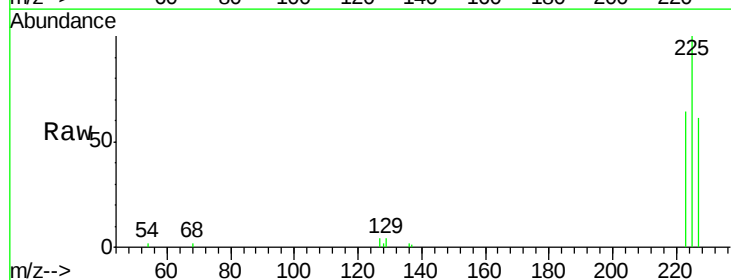
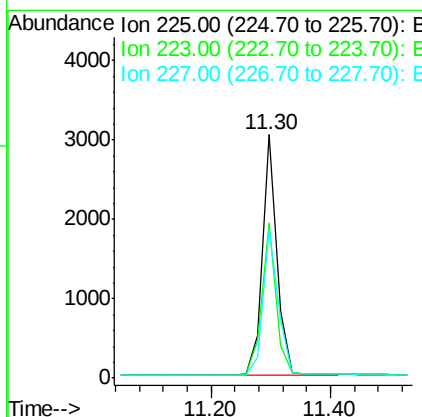
RT: 11.30 min Scan# 726

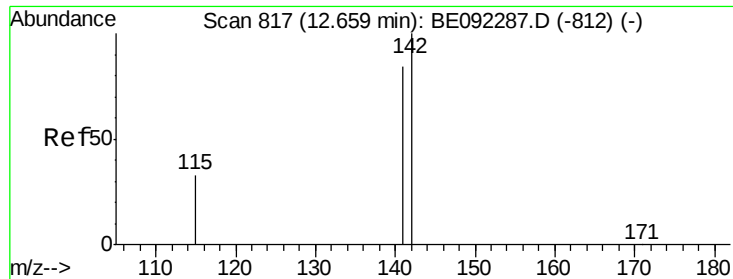
Delta R.T. -0.00 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	52.2	78.4
227	63.7	51.0	76.6





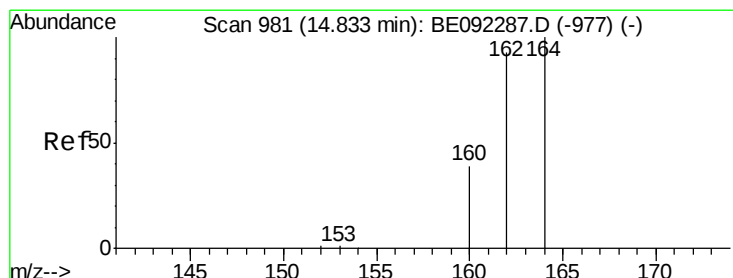
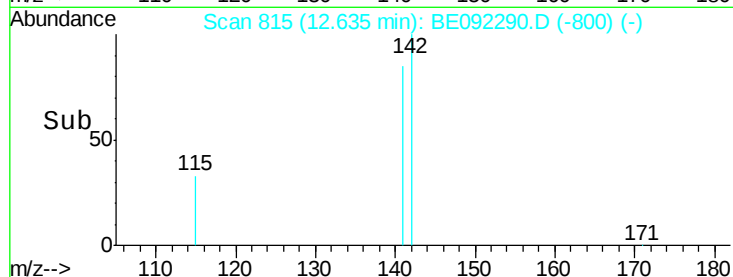
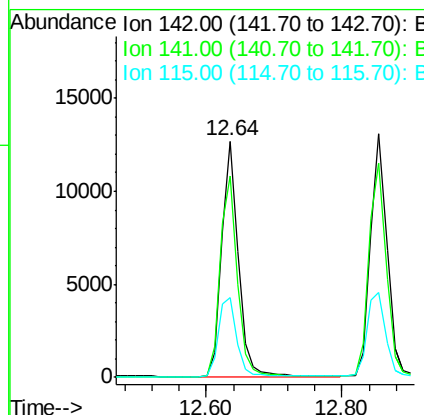
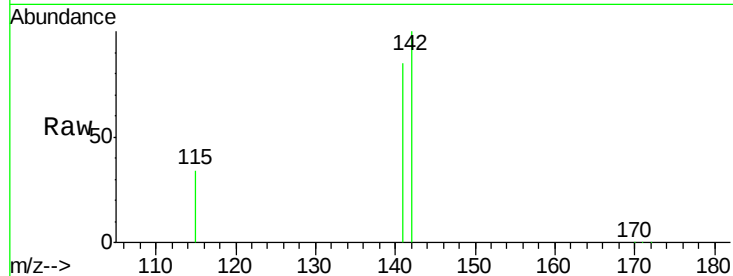
#11
2-Methylnaphthalene
Concen: 3.03 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.6	105.8
115	33.7	31.0	46.4

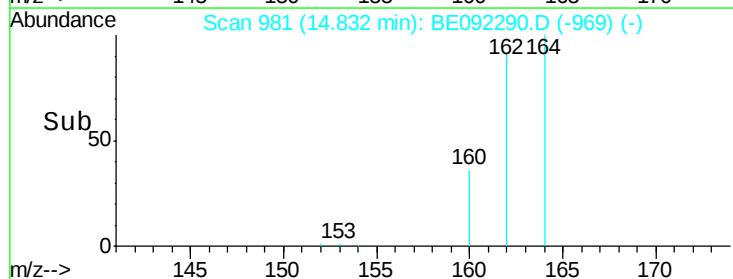
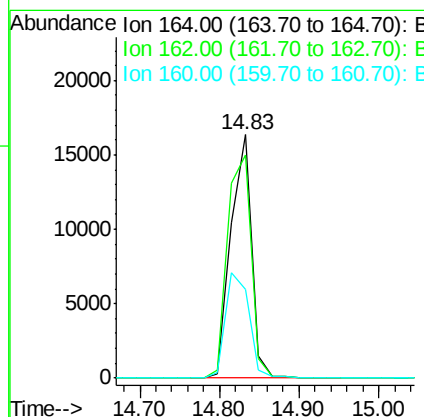
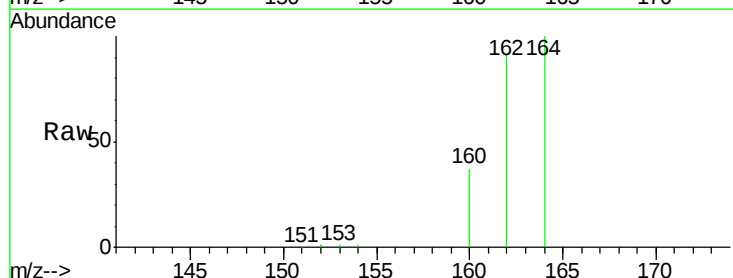
Manual Integrations
APPROVED

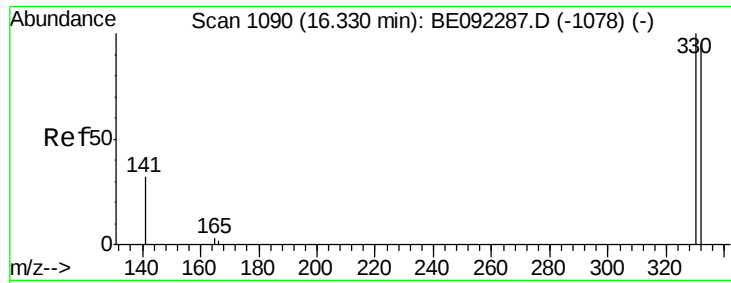
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.5	83.3	124.9
160	36.6	38.0	57.0#





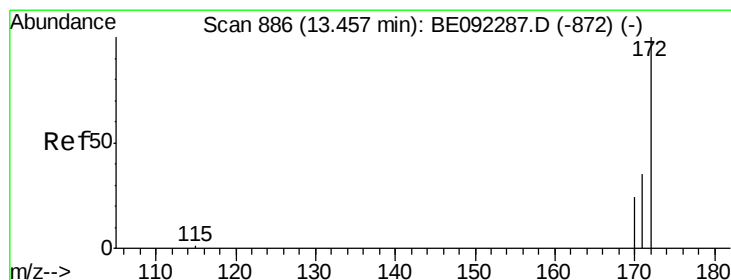
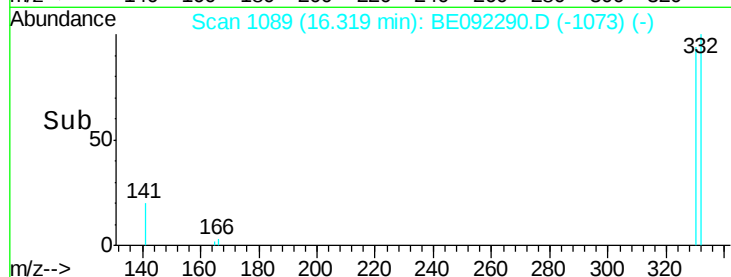
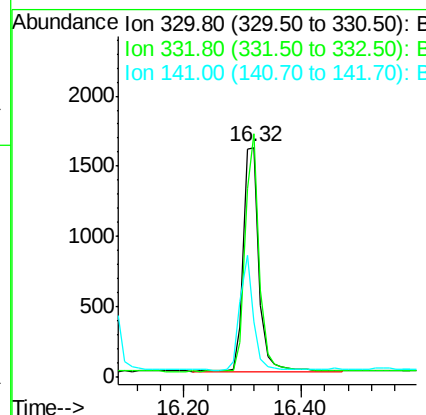
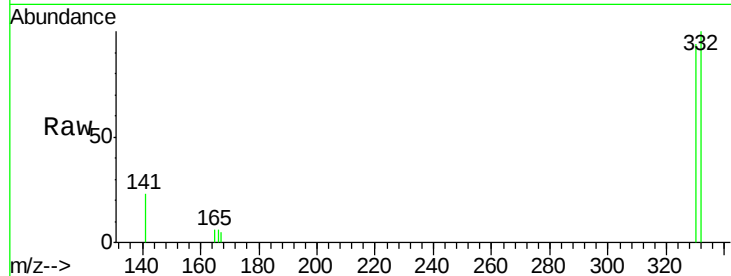
#13
 2,4,6-Tribromophenol
 Concen: 3.39 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	43.6	37.7	56.5

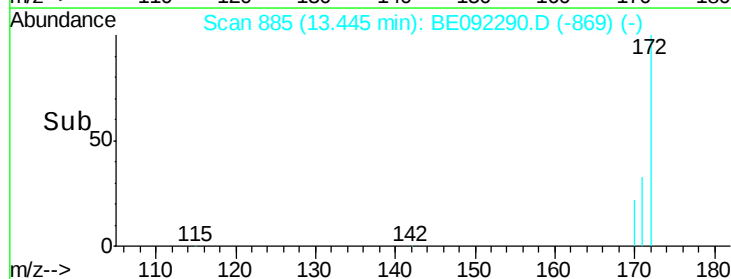
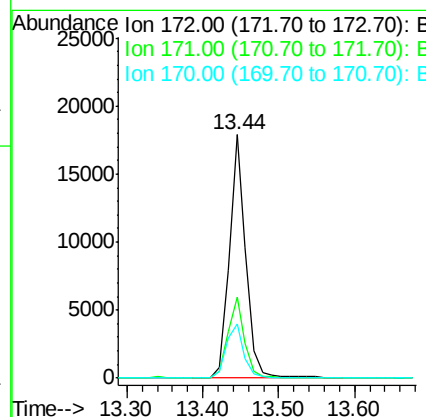
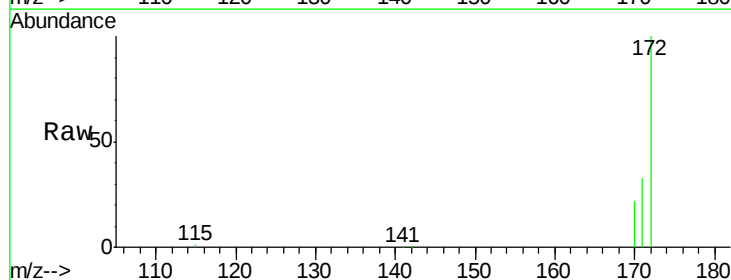
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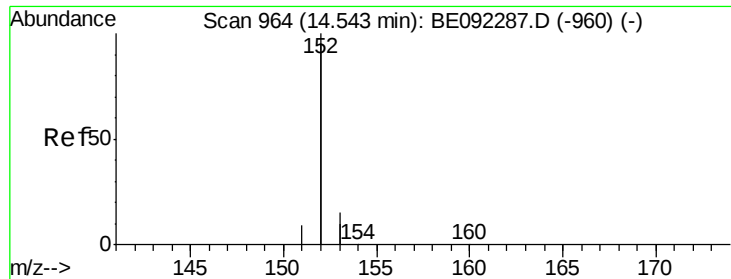
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#14
 2-Fluorobiphenyl
 Concen: 2.99 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.8	40.2
170	22.1	17.8	26.6





#15

Acenaphthylene

Concen: 3.00 ng

RT: 14.54 min Scan# 964

Delta R.T. -0.00 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

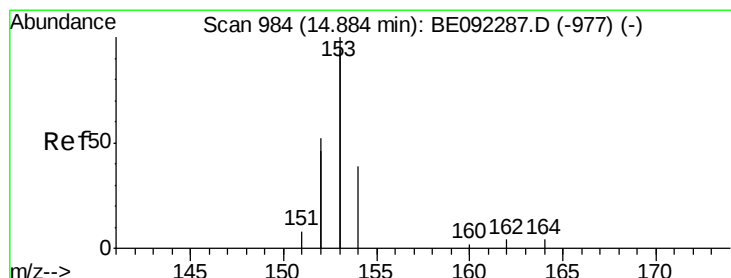
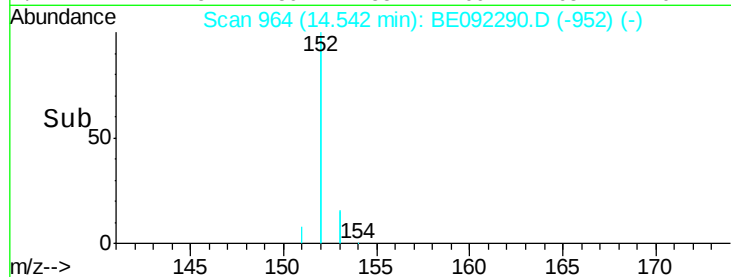
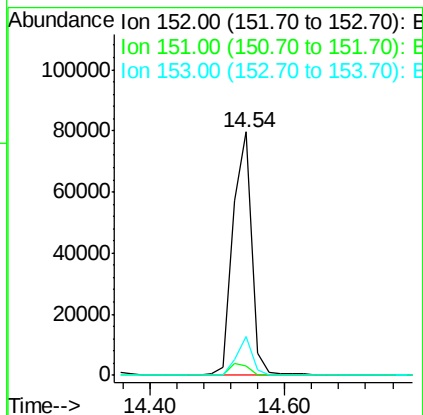
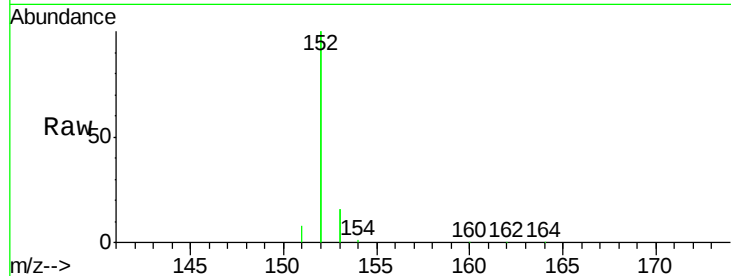
ClientSampled :

SSTDICC3.2

Tot Ion:	152	Resp:	151407
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.8	5.8
153	13.1	10.2	15.2

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#16

Acenaphthene

Concen: 2.88 ng

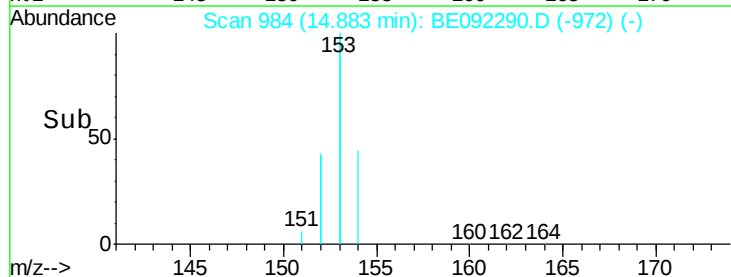
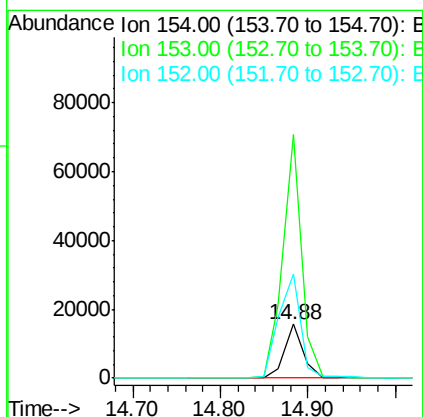
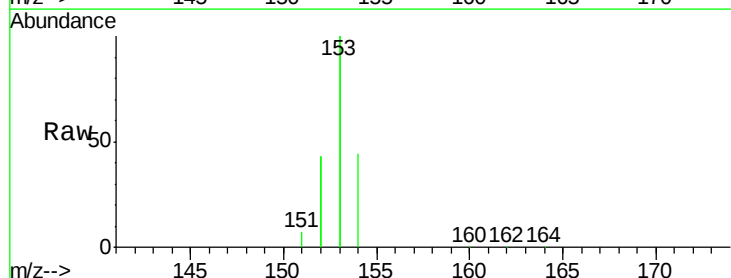
RT: 14.88 min Scan# 984

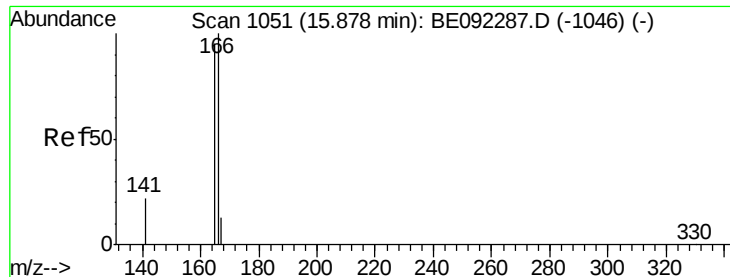
Delta R.T. -0.00 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Tgt Ion:	154	Resp:	23307
Ion Ratio	Lower	Upper	
154	100		
153	459.0	355.0	532.4
152	224.9	179.7	269.5





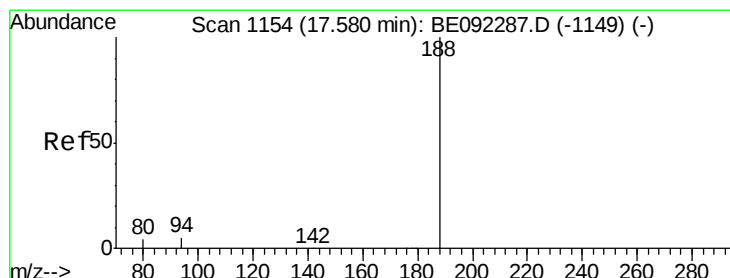
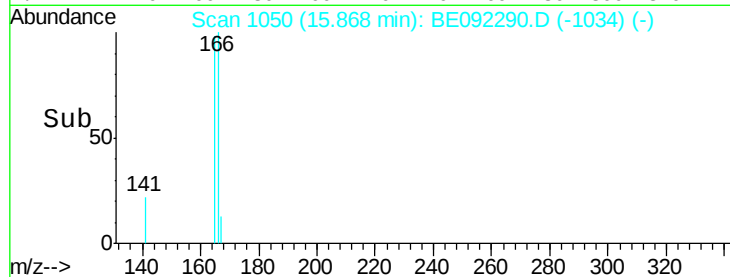
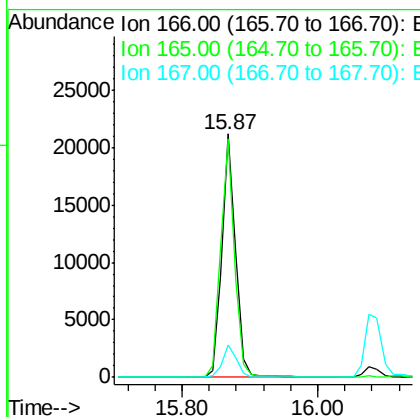
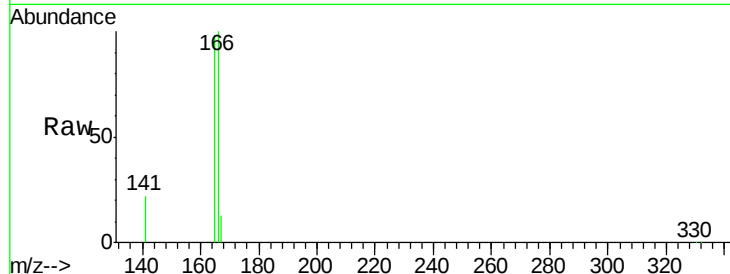
#17
Fluorene
 Concen: 3.07 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.1	120.1
167	13.3	10.6	16.0

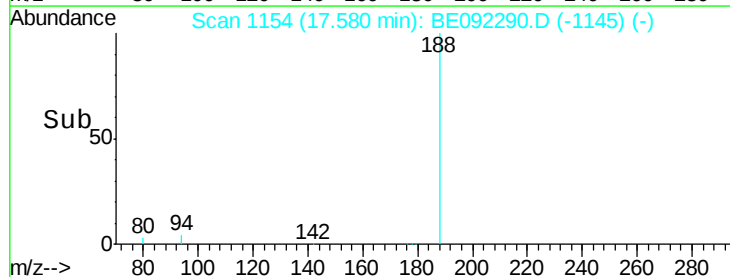
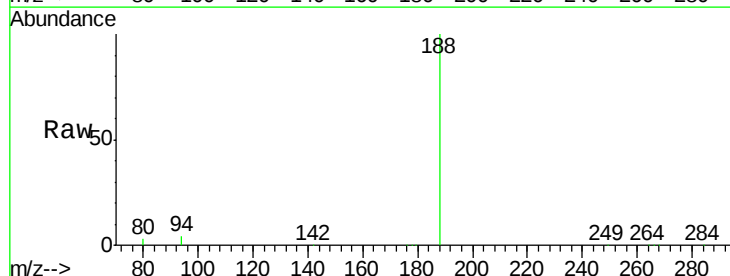
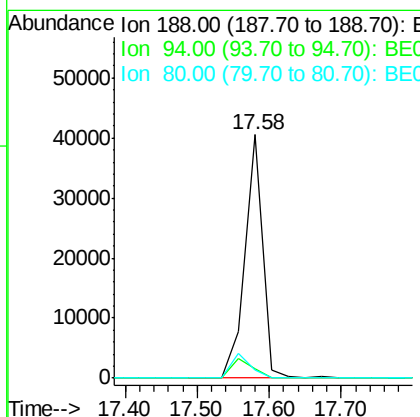
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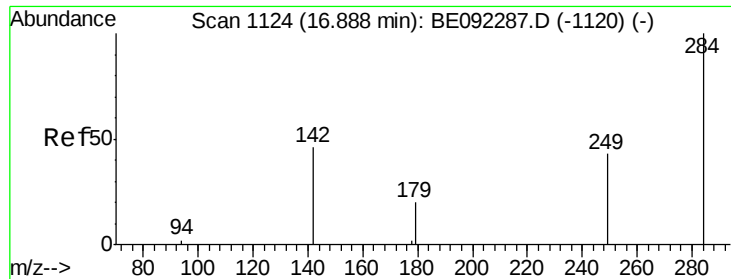
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.9	9.2	13.8#
80	3.1	9.1	13.7#





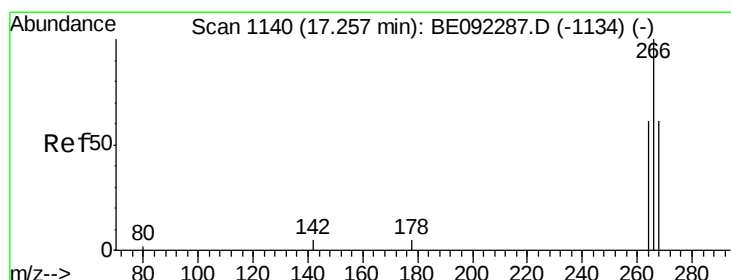
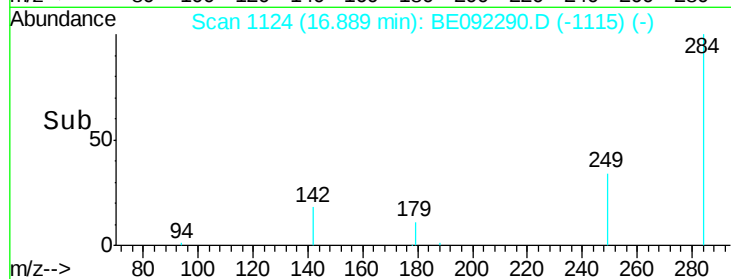
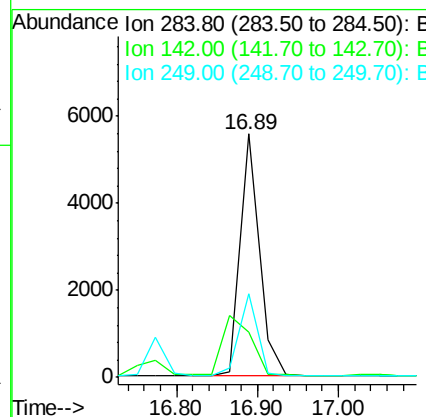
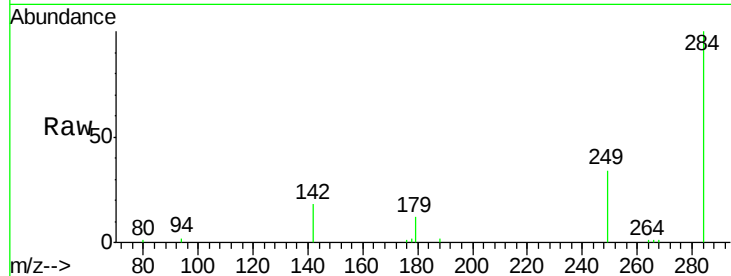
#19
 Hexachlorobenzene
 Concen: 3.26 ng
 RT: 16.89 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC3.2

Tot Ion:	284	Resp:	8955
Ion Ratio	Lower	Upper	
284	100		
142	0.0	0.0	0.0
249	32.4	0.0	0.0#

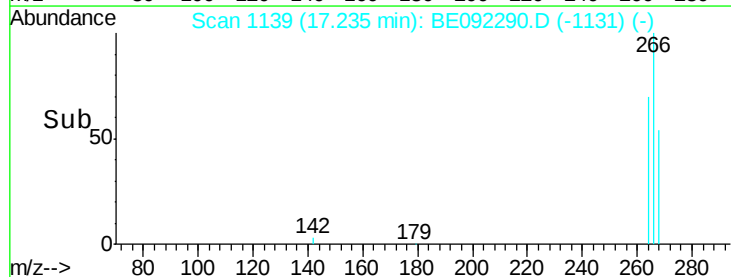
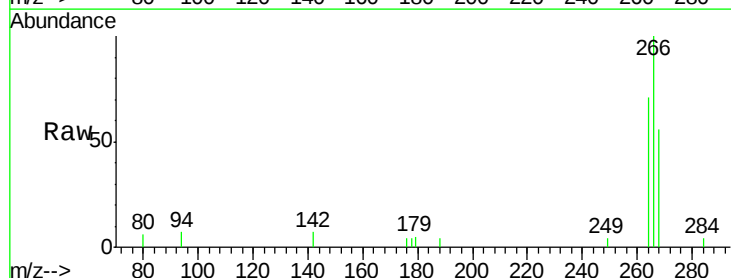
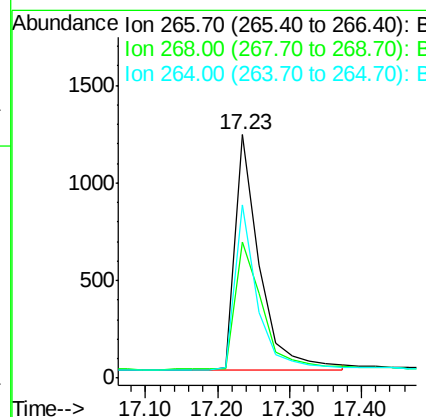
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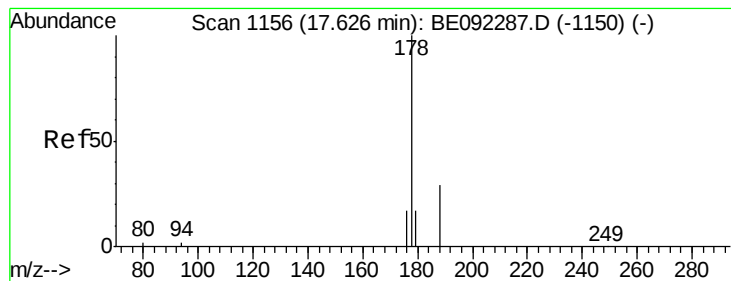
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#20
 Pentachlorophenol
 Concen: 4.84 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. -0.02 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Tgt Ion:	266	Resp:	2820
Ion Ratio	Lower	Upper	
266	100		
268	55.8	62.3	93.5#
264	71.2	67.4	101.0





#21

Phenanthrene

Concen: 2.69 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.02 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

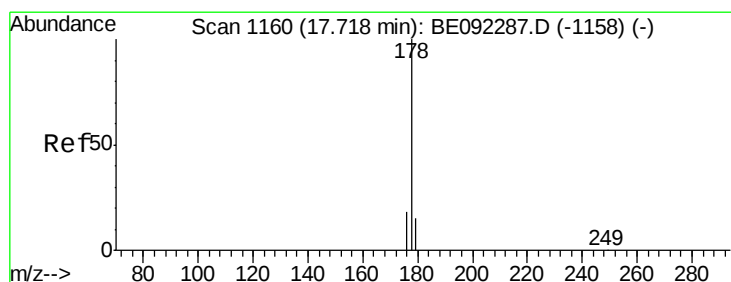
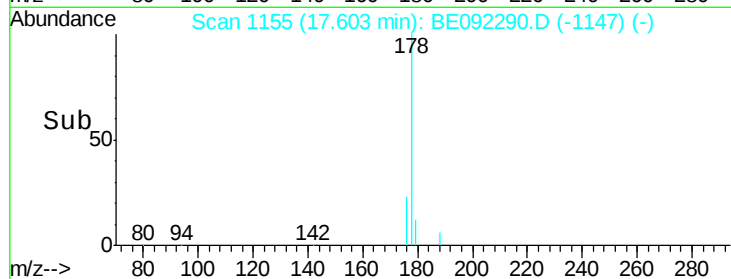
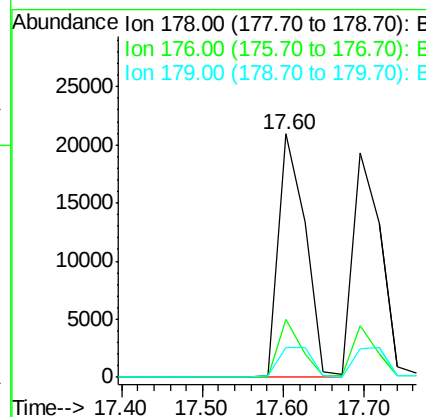
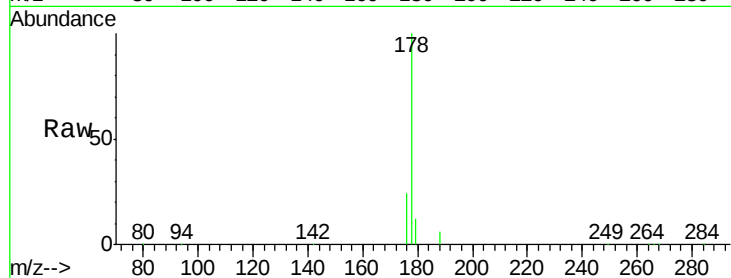
ClientSampleId :

SSTDICC3.2

Tot Ion:178	Resp:	48138
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.1 22.7
179	15.0	12.9 19.3

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#22

Anthracene

Concen: 2.88 ng m

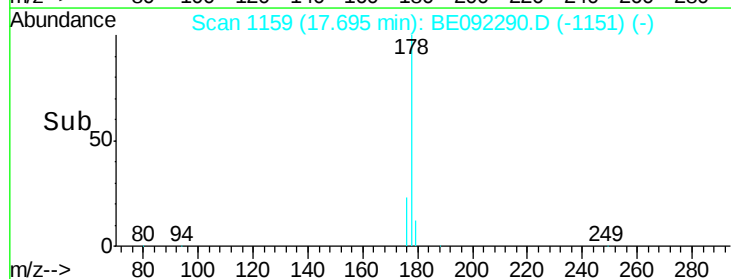
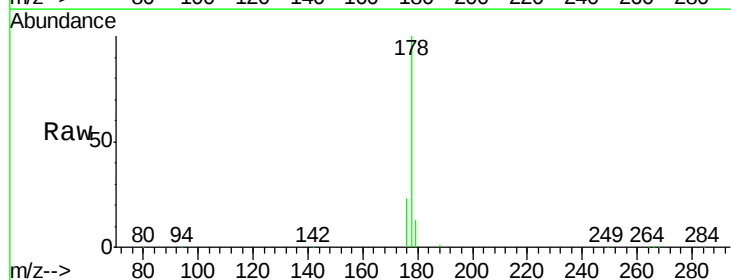
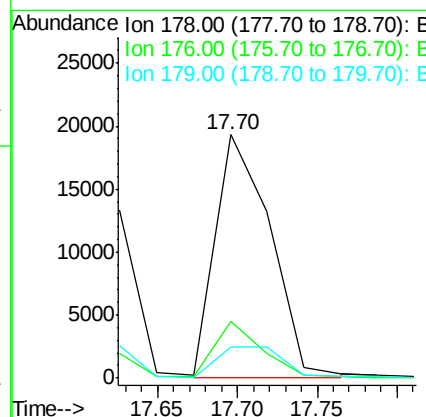
RT: 17.70 min Scan# 1159

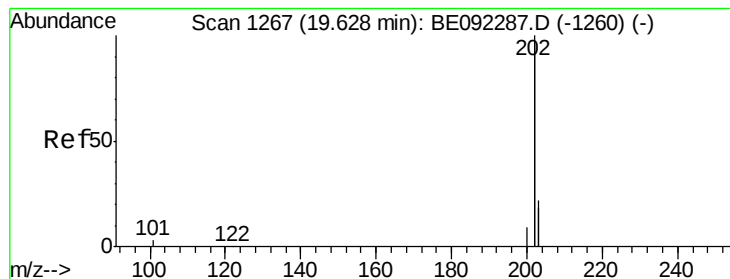
Delta R.T. -0.02 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Tgt Ion:178	Resp:	46669
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.0 22.4
179	15.4	12.0 18.0





#23

Fluoranthene

Concen: 3.31 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092290.D

Acq: 29 Aug 2016 15:11

Instrument :

BNA_E

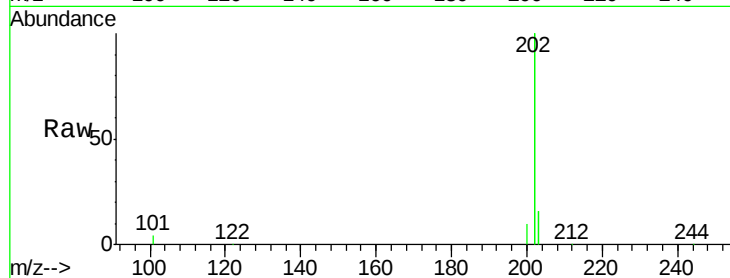
ClientSampleId :

SSTDICC3.2

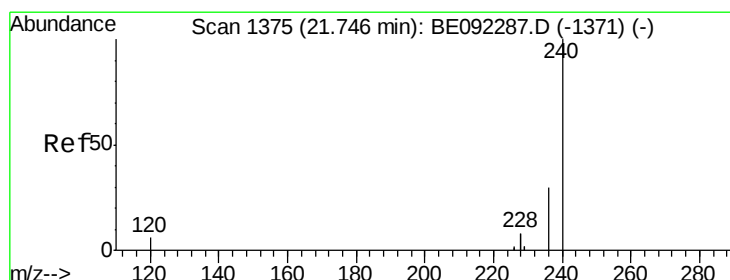
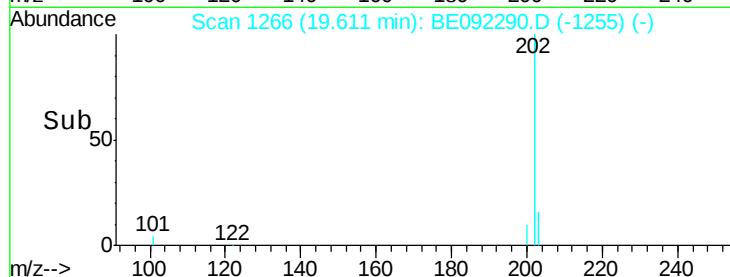
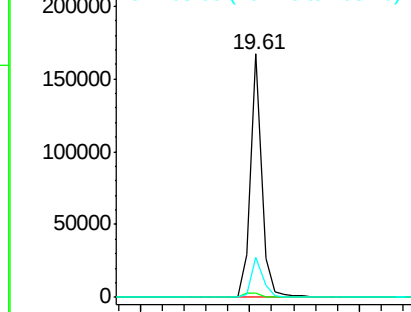
Tot Ion:	202	Resp:	235336
Ion Ratio	Lower	Upper	
202	100		
101	2.6	2.2	3.4
203	17.0	13.7	20.5

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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

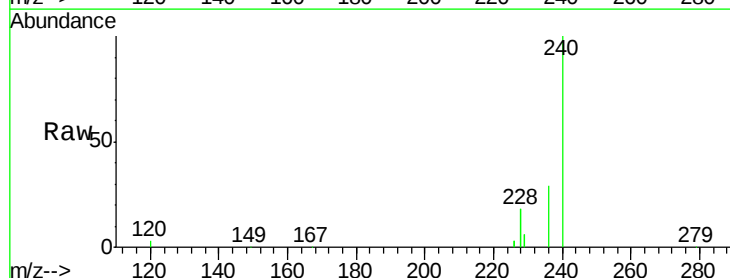
RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

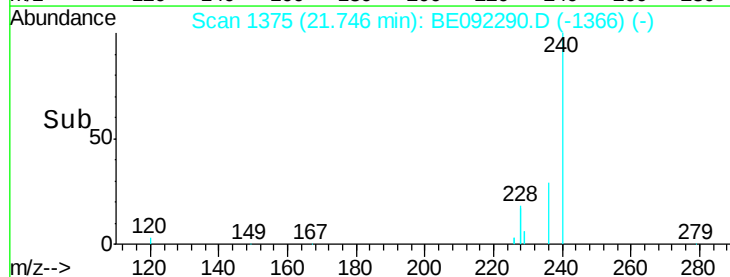
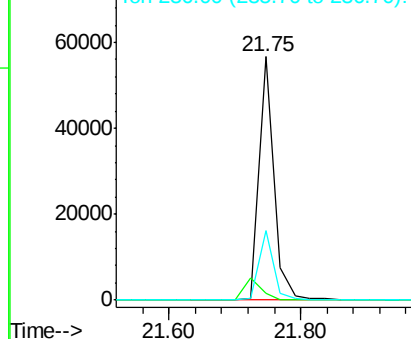
Lab File: BE092290.D

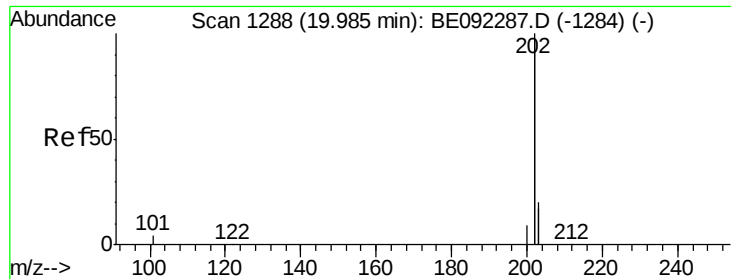
Acq: 29 Aug 2016 15:11

Tgt Ion:	240	Resp:	90223
Ion Ratio	Lower	Upper	
240	100		
120	3.0	1.2	1.8#
236	28.7	17.1	25.7#



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





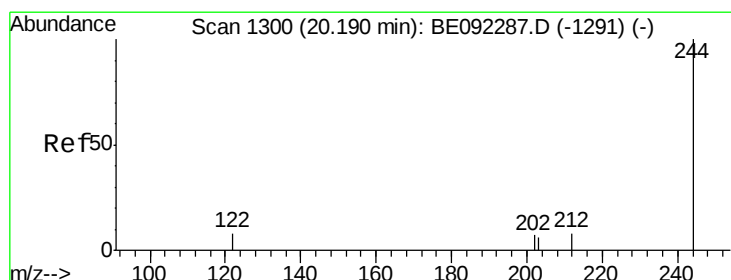
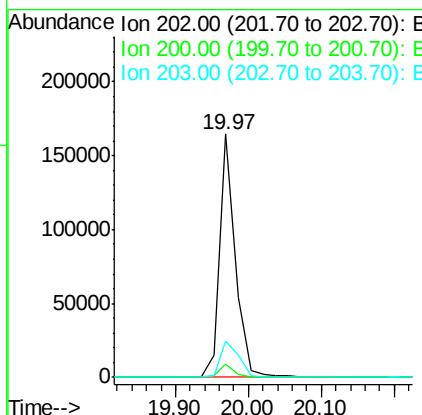
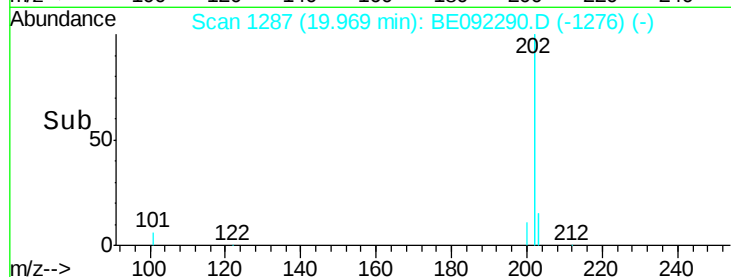
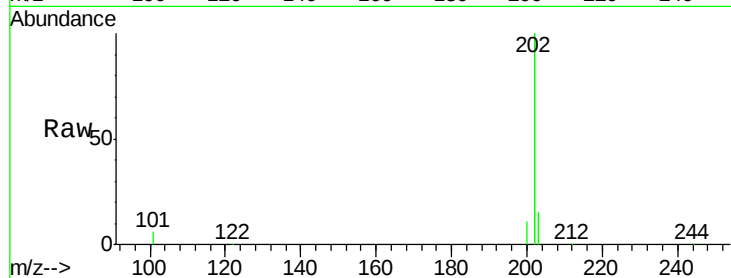
#25
Pvrene
Concen: 2.30 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	5.3	4.2	6.4
203	17.6	14.0	21.0

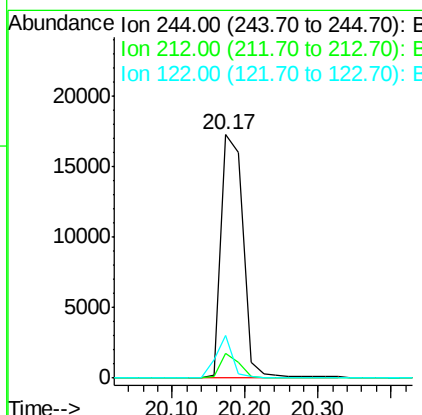
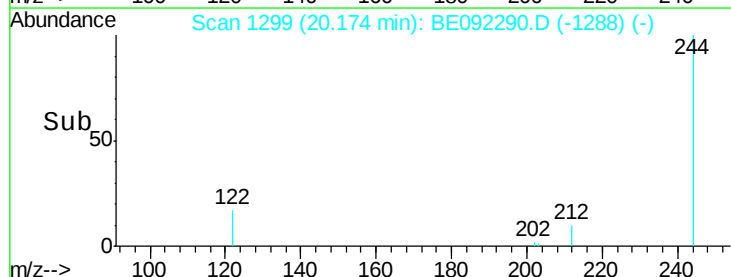
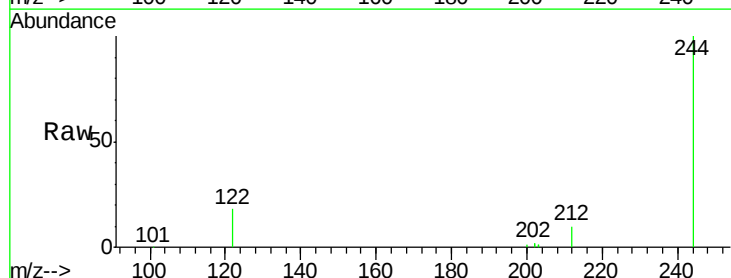
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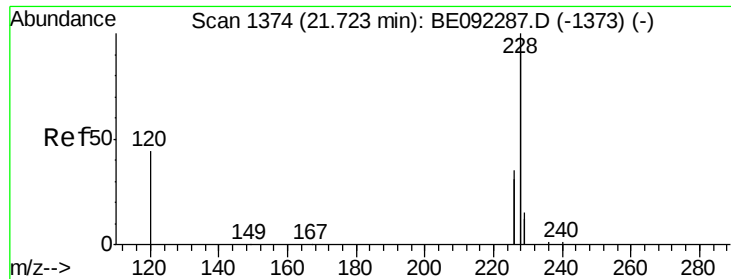
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#26
Terphenyl-d14
Concen: 2.36 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	10.2	10.2	15.2
122	17.7	15.9	23.9





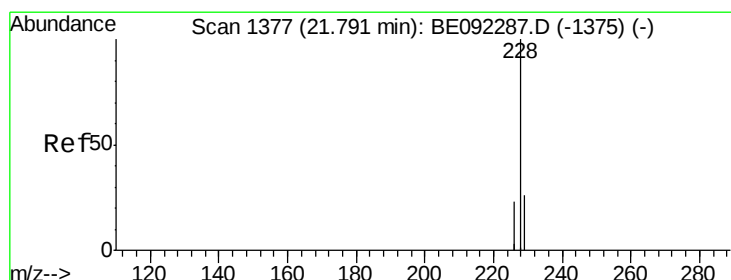
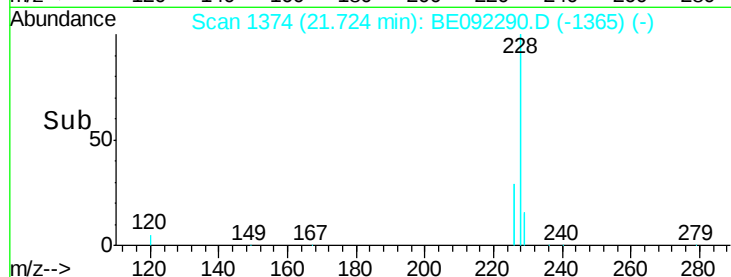
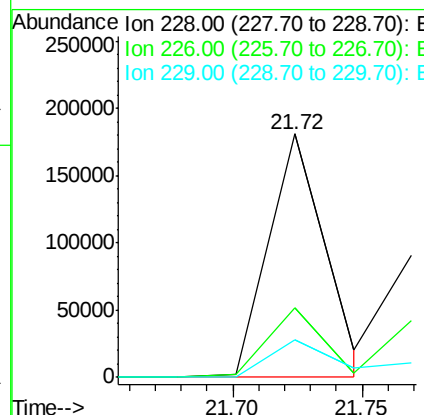
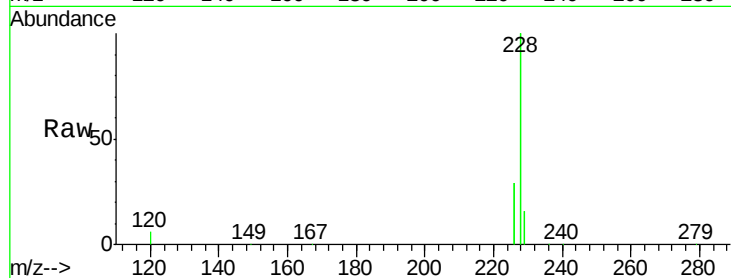
#27
Benzo(a)anthracene
Concen: 2.55 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	15.9	23.9#
229	15.5	22.4	33.6#

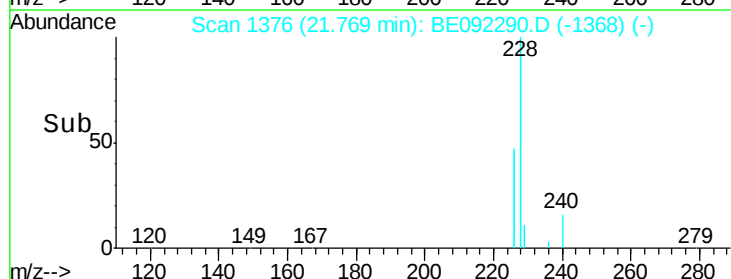
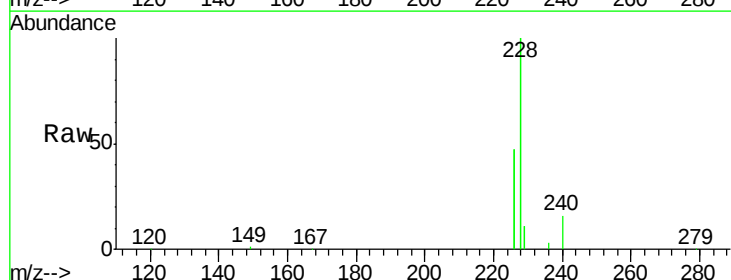
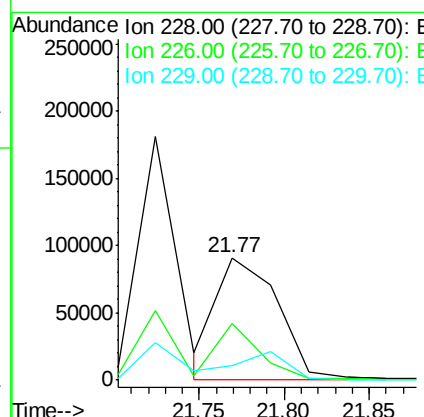
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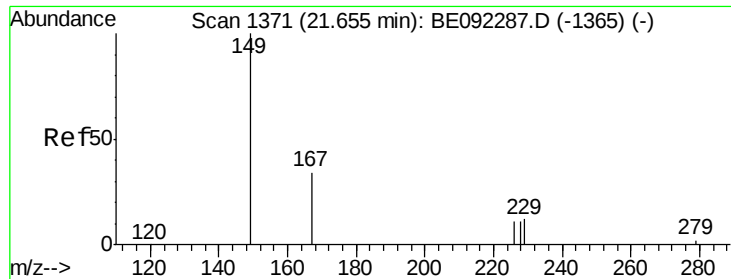
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#28
Chrysene
Concen: 2.31 ng m
RT: 21.77 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	46.8	18.3	27.5#
229	11.4	18.6	27.8#





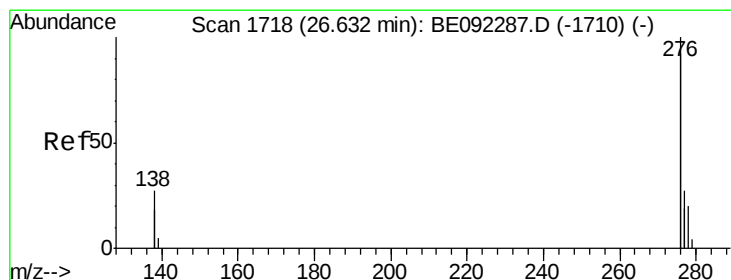
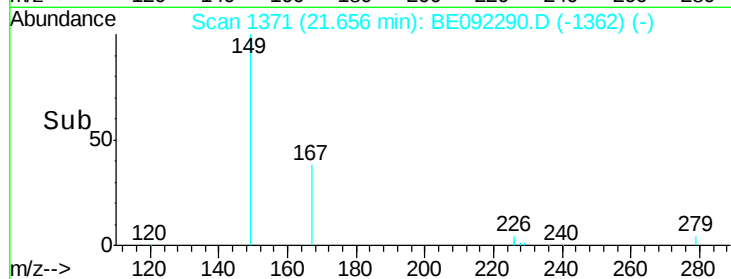
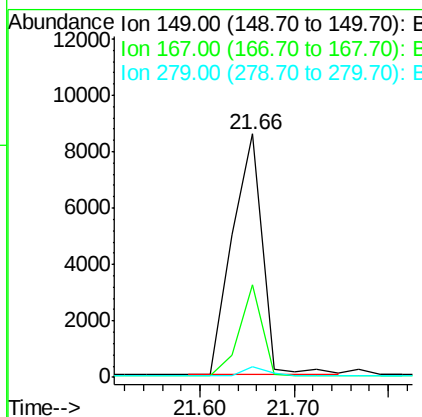
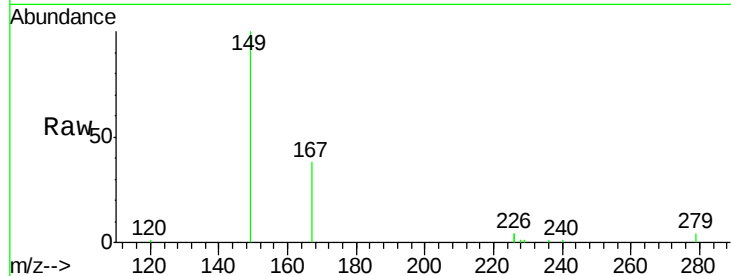
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 1.37 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	29.4	22.1	33.1
279	3.1	0.0	0.0

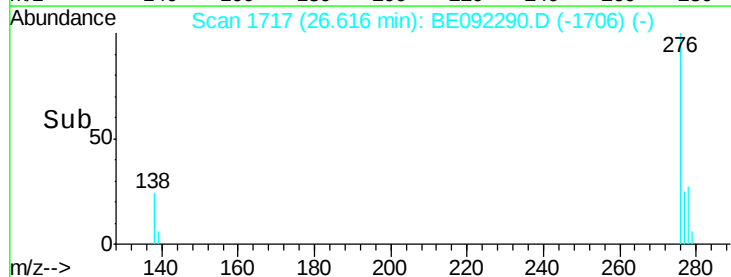
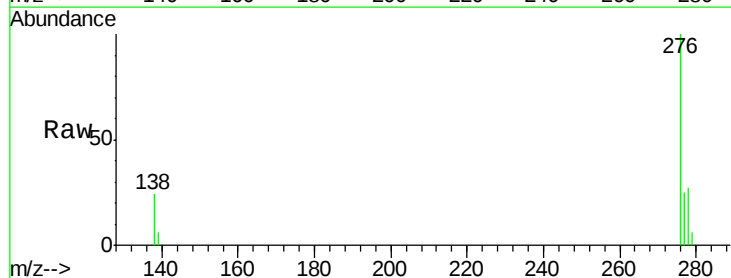
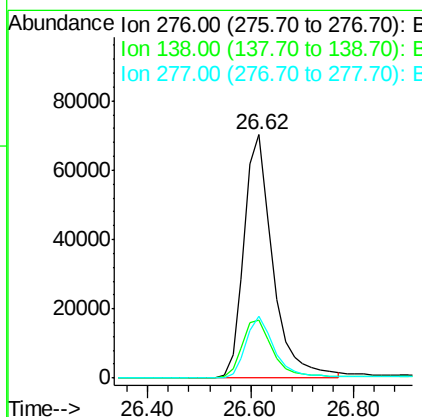
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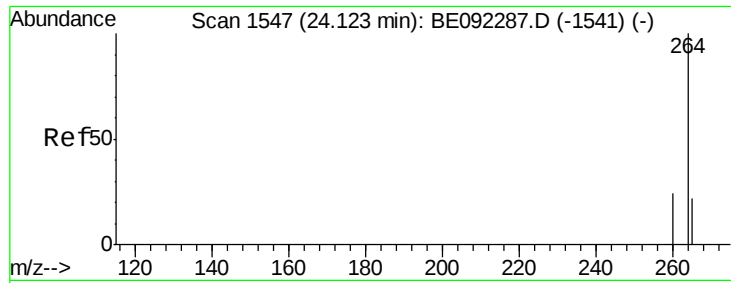
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 2.51 ng
 RT: 26.62 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	25.4	21.3	31.9
277	24.7	19.7	29.5





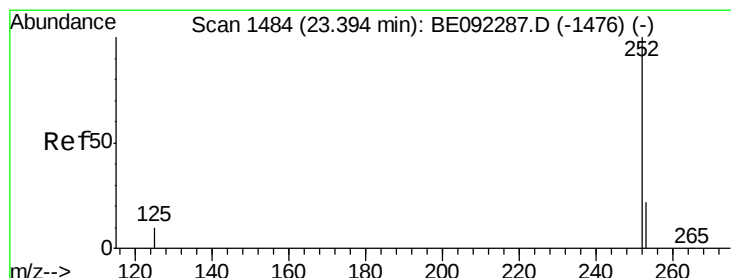
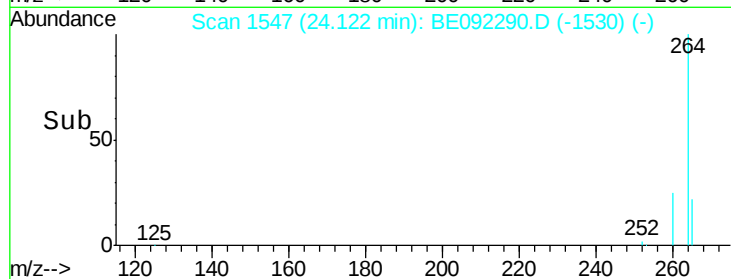
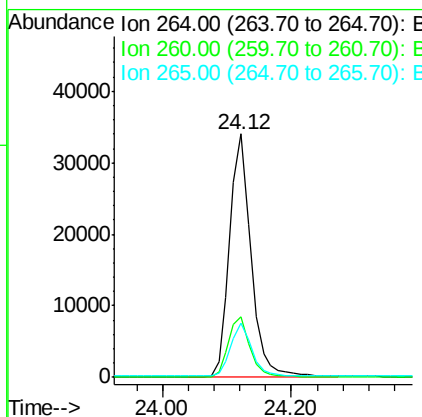
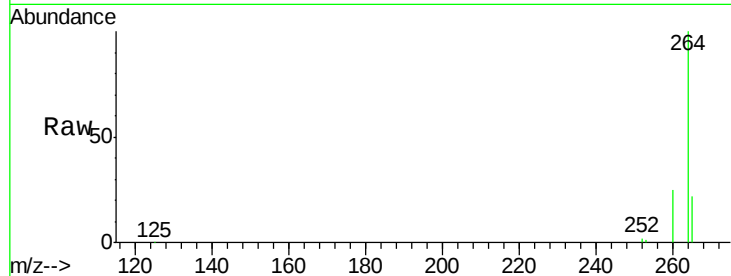
#31
 Pervlene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.1	18.2	27.4

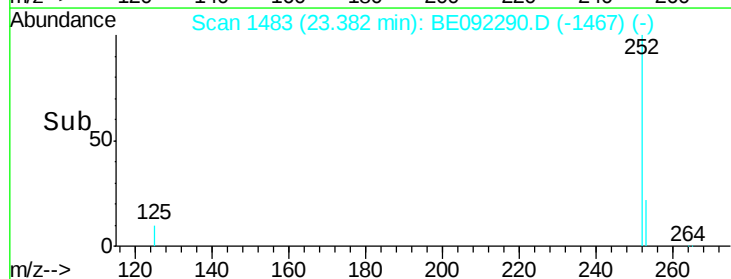
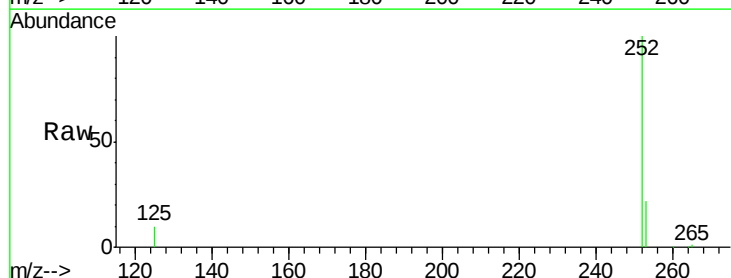
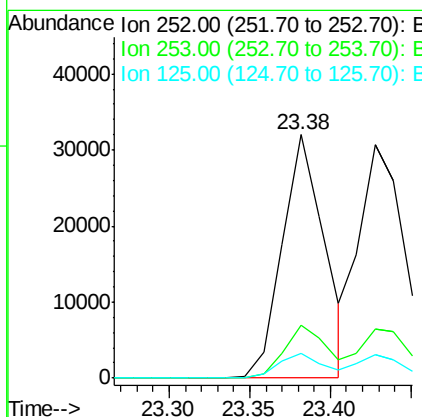
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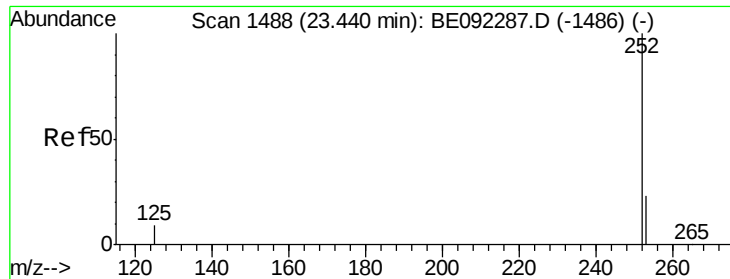
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#32
 Benzo(b)fluoranthene
 Concen: 2.84 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BE092290.D
 Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	19.0	28.4
125	10.0	10.3	15.5#





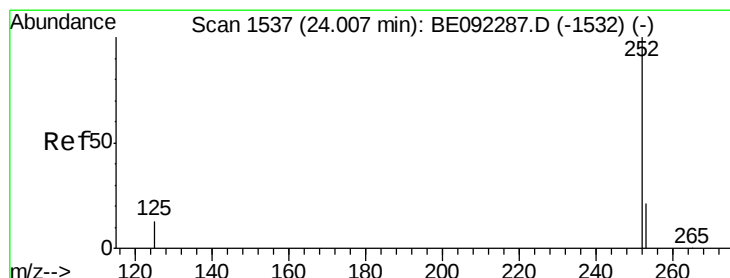
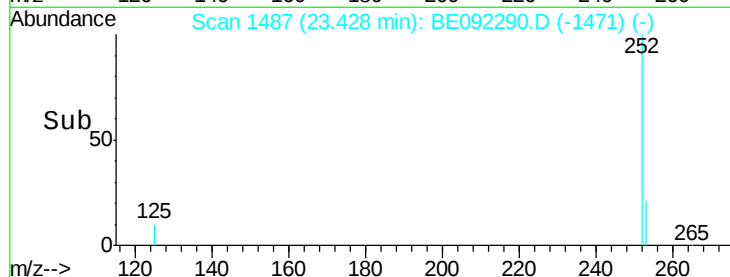
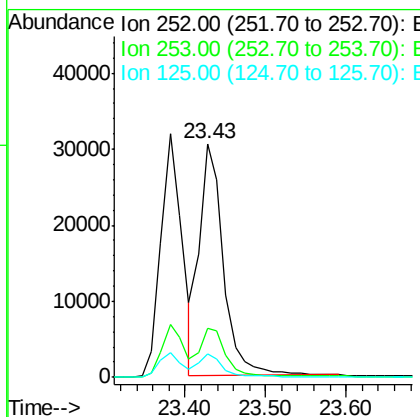
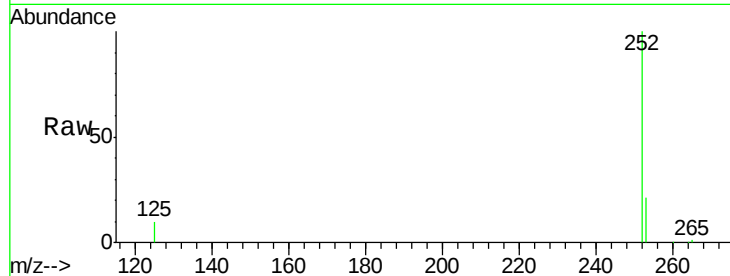
#33
Benzo(k)fluoranthene
Concen: 3.09 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	19.0	28.6
125	10.2	10.6	15.8#

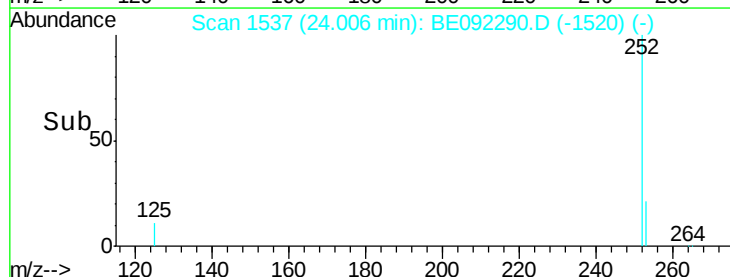
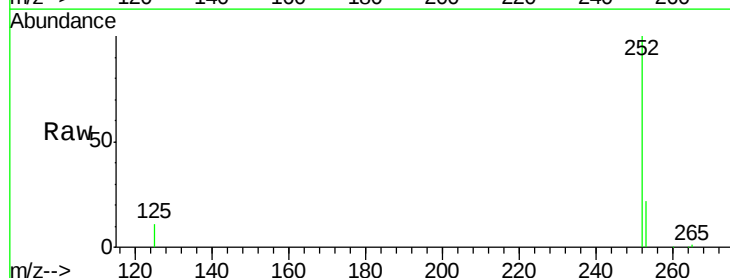
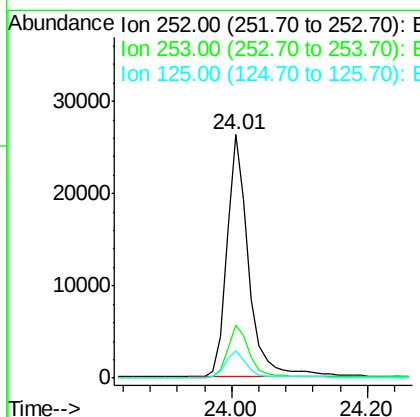
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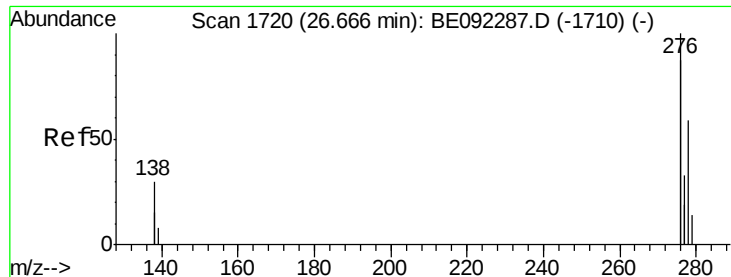
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#34
Benzo(a)pyrene
Concen: 3.05 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	20.3	30.5
125	11.1	11.8	17.6#





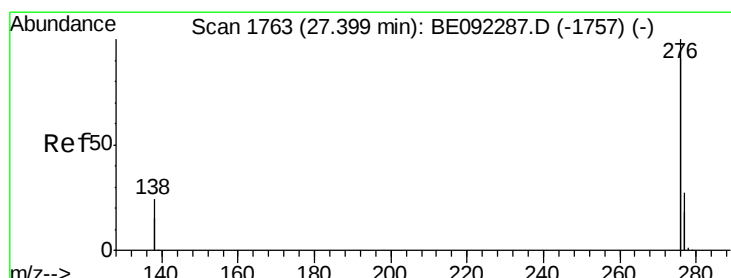
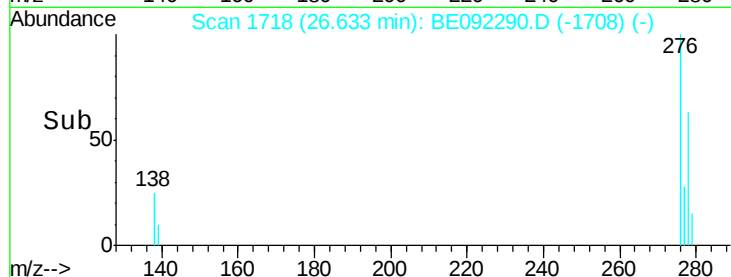
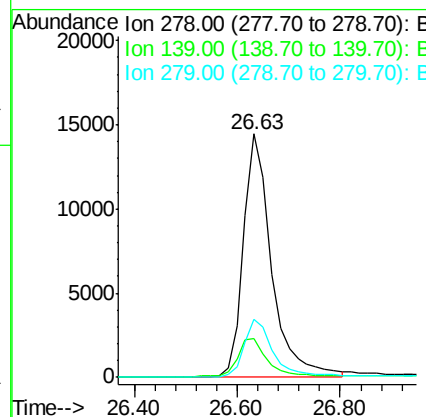
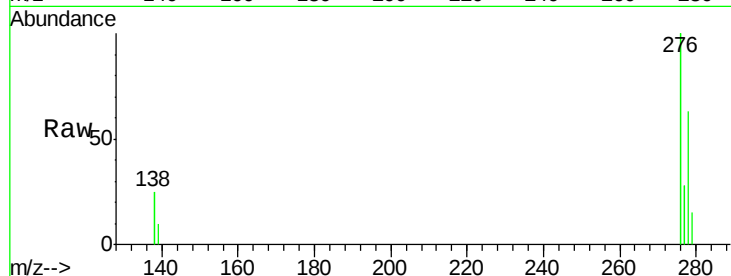
#35
Dibenzo(a,h)anthracene
Concen: 3.04 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.03 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.1	16.2	24.2#
279	23.8	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 2.97 ng
RT: 27.38 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092290.D
Acq: 29 Aug 2016 15:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	21.4	32.2
138	20.6	19.4	29.2

