

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
 Data File : BE092292.D
 Acq On : 29 Aug 2016 16:23
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Aug 29 18:39:12 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 16:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	10852	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	53673	5.00	ng	-0.02
12) Acenaphthene-d10	14.83	164	30715	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	68600	5.00	ng	0.00
24) Chrysene-d12	21.75	240	81458	5.00	ng	0.00
31) Perylene-d12	24.12	264	75802	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	29023	12.65	ng	-0.02
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	9.34	82	41511	12.56	ng	-0.02
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.44	172	91449	9.44	ng	-0.01
26) Terphenyl-d14	20.17	244	116168	10.60	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.43	88	13378	8.36	ng	93
9) Naphthalene	11.01	128	113398	9.39	ng	# 94
10) Hexachlorobutadiene	11.30	225	16680	9.03	ng	99
11) 2-Methylnaphthalene	12.63	142	75930	10.41	ng	# 91
15) Acenaphthylene	14.54	152	535758	10.32	ng	99
16) Acenaphthene	14.88	154	79133	9.08	ng	97
17) Fluorene	15.87	166	100674	9.73	ng	99
19) Hexachlorobenzene	16.89	284	29239	10.46	ng	# 100
21) Phenanthrene	17.60	178	158494	9.71	ng	97
22) Anthracene	17.70	178	163928	11.33	ng	98
23) Fluoranthene	19.61	202	776117	10.98	ng	99
25) Pyrene	19.97	202	828646	11.18	ng	100
27) Benzo(a)anthracene	21.72	228	902861m	10.81	ng	
28) Chrysene	21.77	228	731012m	9.35	ng	
30) Indeno(1,2,3-cd)pyrene	26.62	276	885337	11.74	ng	99
32) Benzo(b)fluoranthene	23.38	252	191176	10.98	ng	95
33) Benzo(k)fluoranthene	23.43	252	203511m	10.07	ng	
34) Benzo(a)pyrene	24.01	252	192861	11.07	ng	# 92
35) Dibenzo(a,h)anthracene	26.63	278	181722	12.22	ng	# 92
36) Benzo(a,h,i)perylene	27.38	276	757498	11.07	ng	94

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

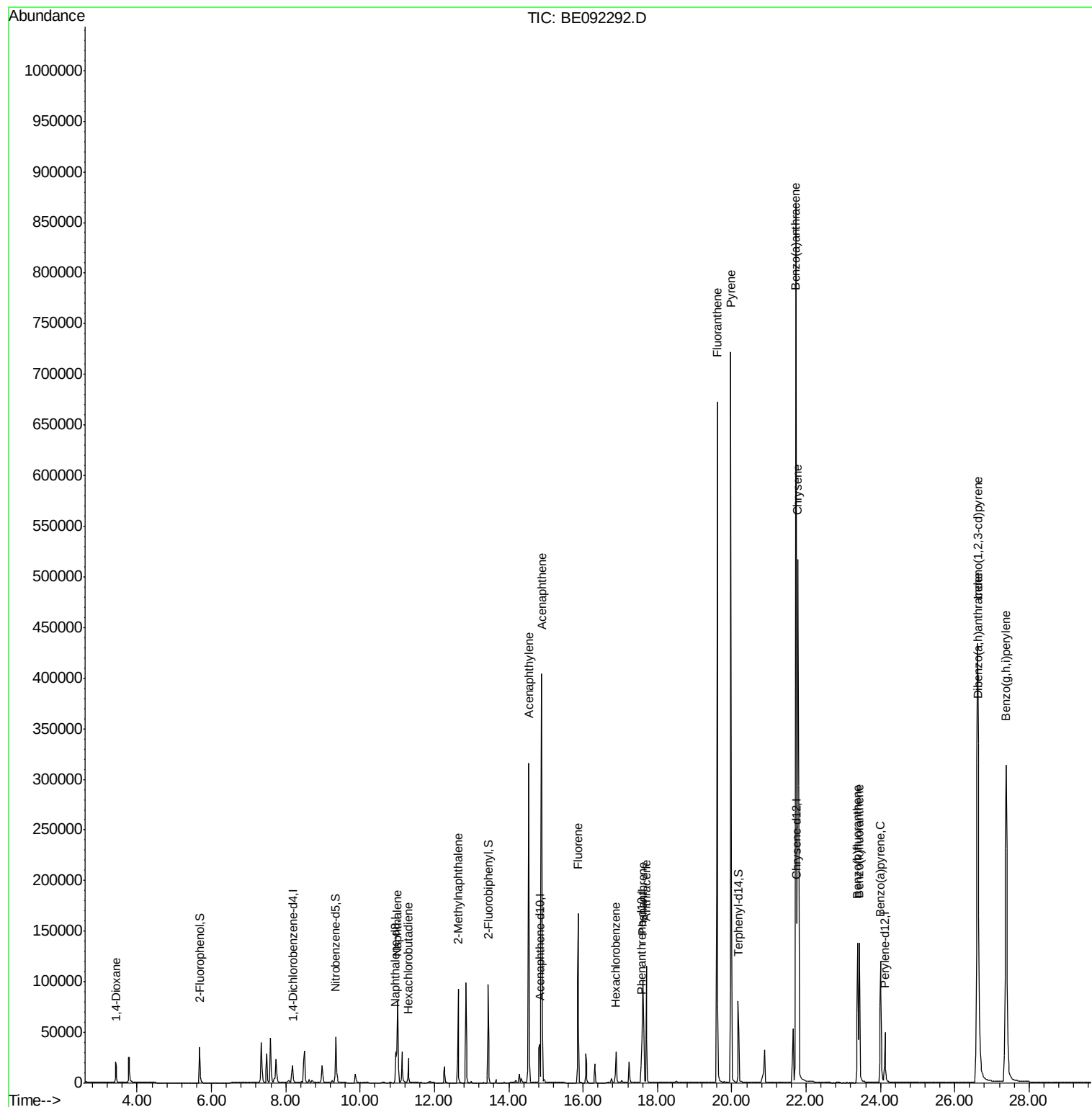
Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
Data File : BE092292.D
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ALS Vial : 10 Sample Multiplier: 1

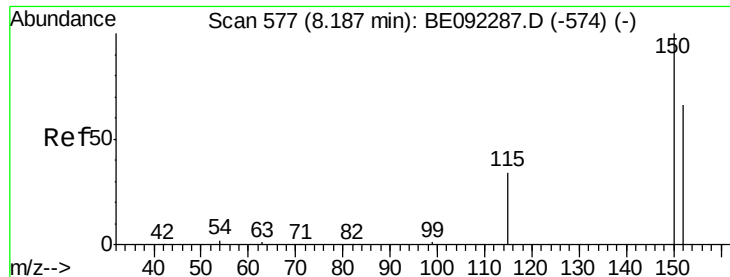
Instrument :
BNA_E
ClientSampleId :
SSTDIC010

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:18:21 2016
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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: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

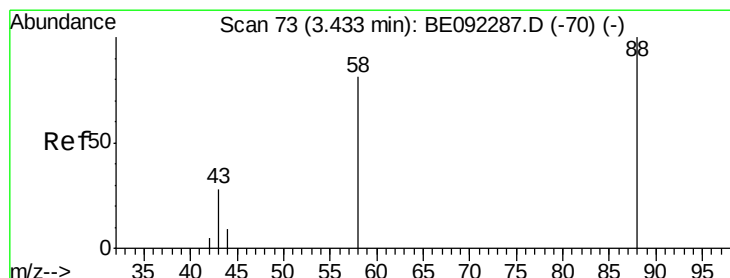
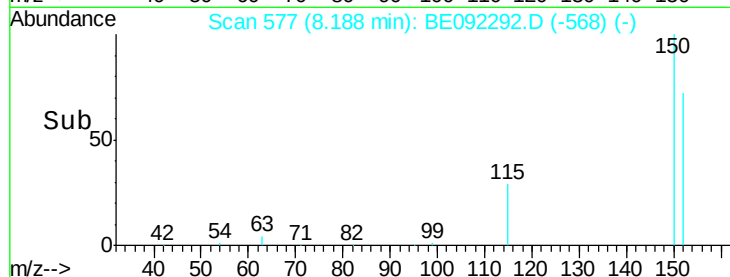
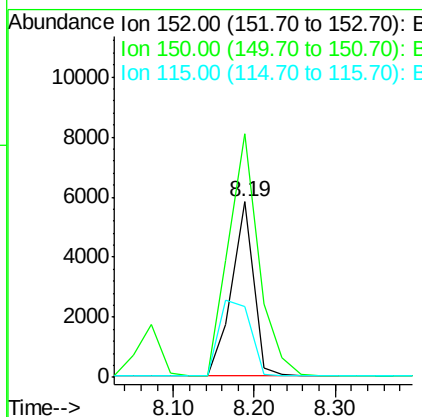
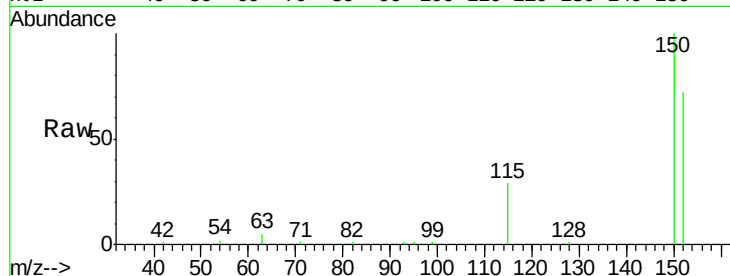
ClientSampled :

SSTDIC010

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.6	135.6	203.4
115	40.5	59.4	89.0

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#2

1,4-Dioxane

Concen: 8.36 ng

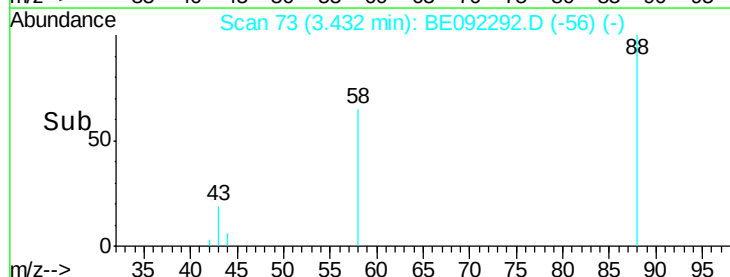
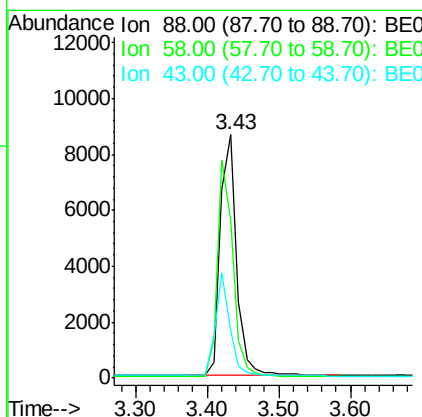
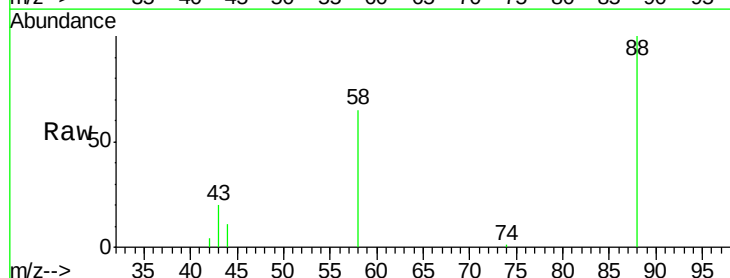
RT: 3.43 min Scan# 73

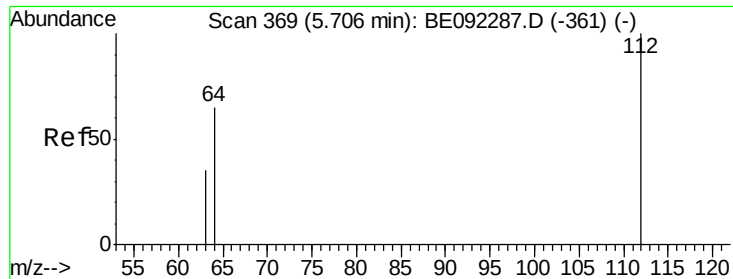
Delta R.T. -0.00 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.7	64.4	96.6
43	38.3	33.4	50.2





#4

2-Fluorophenol

Concen: 12.65 ng

RT: 5.68 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

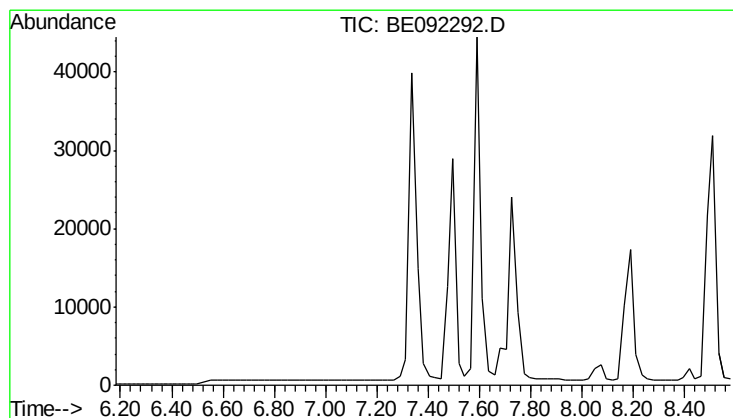
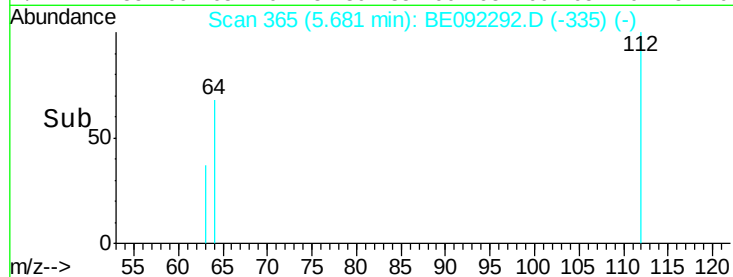
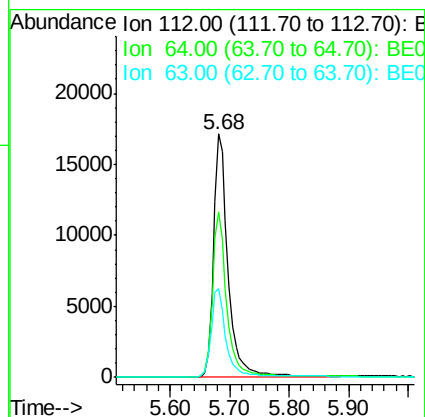
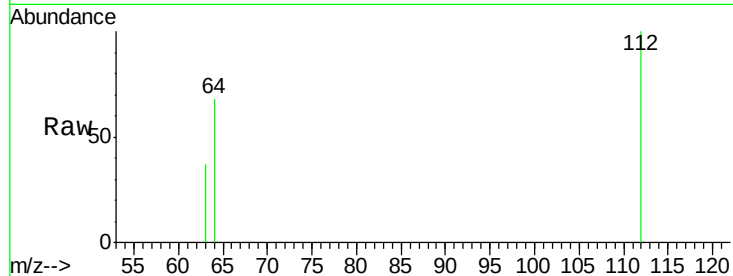
ClientSampleId :

SSTDICC010

Tot Ion:	112	Resp:	29023
Ion Ratio	Lower	Upper	
112	100		
64	67.1	53.2	79.8
63	37.0	27.4	41.2

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#5

Phenol-d6

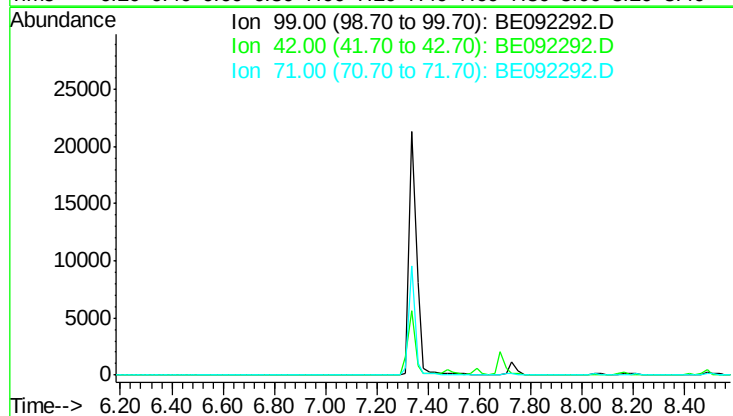
Concen: 0.00 ng

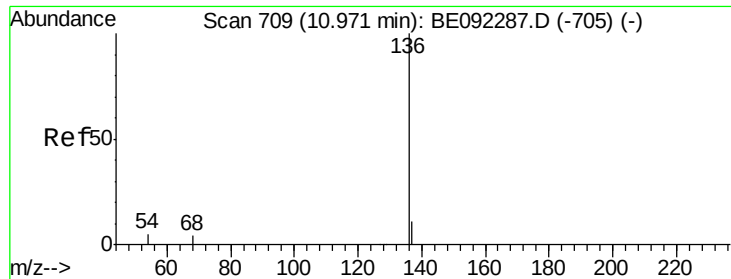
Expected RT: 7.38 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Tgt Ion:	99
Sig	Exp Ratio
99	100
42	0.0
71	37.3





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

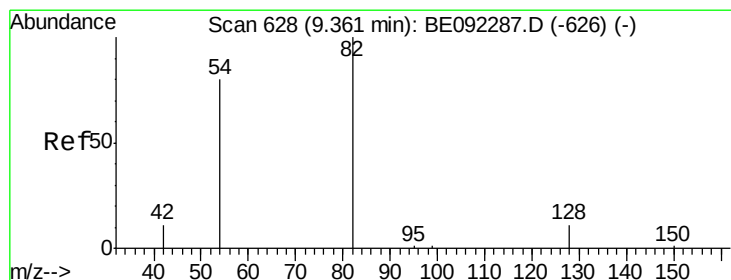
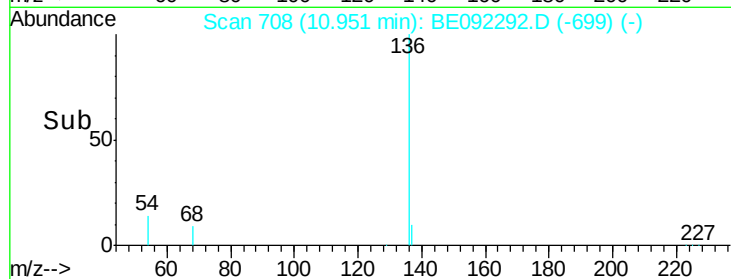
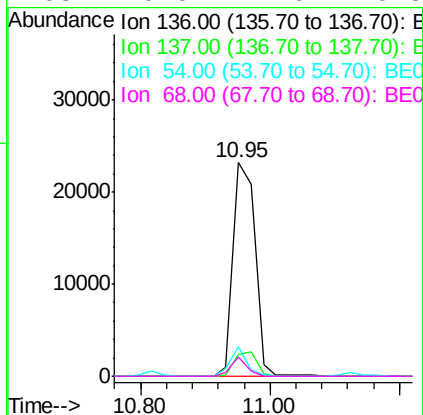
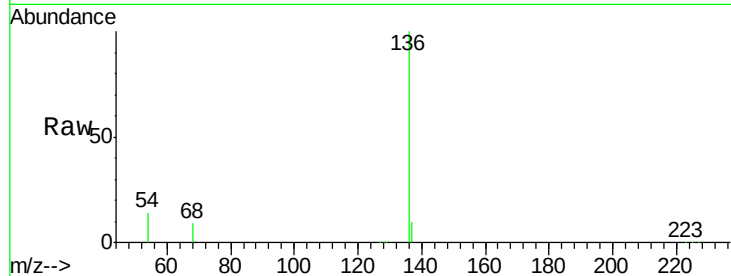
ClientSampleId :

SSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
136	100	53673		
137	9.9	8.8	13.2	
54	14.0	6.2	9.4#	
68	9.0	4.6	6.8#	

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#8

Nitrobenzene-d5

Concen: 12.56 ng

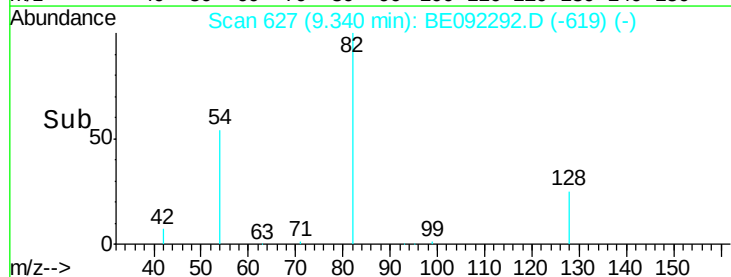
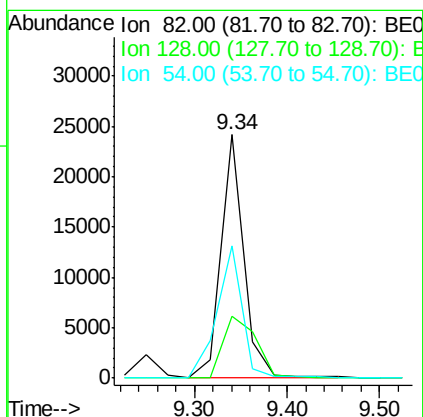
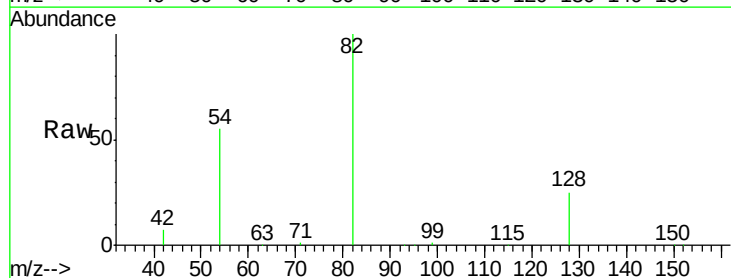
RT: 9.34 min Scan# 627

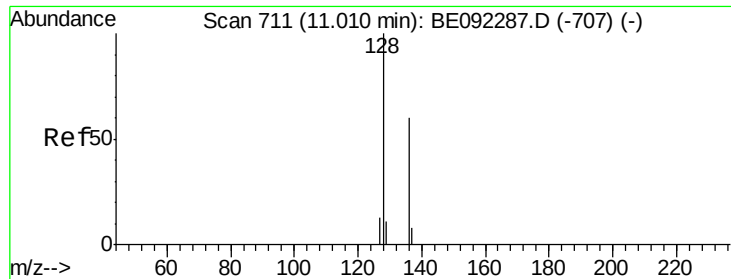
Delta R.T. -0.02 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	41511		
128	25.2	45.0	67.4#	
54	54.5	45.4	68.2	





#9

Naphthalene

Concen: 9.39 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

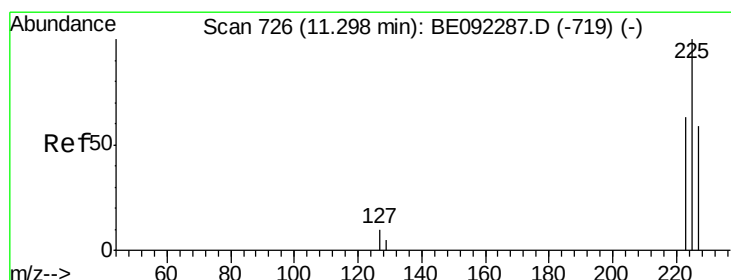
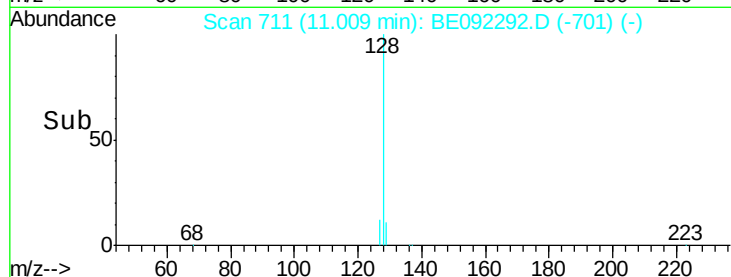
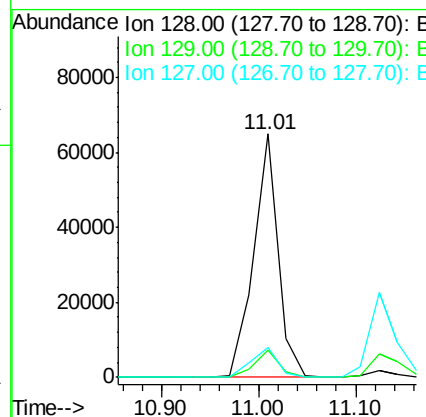
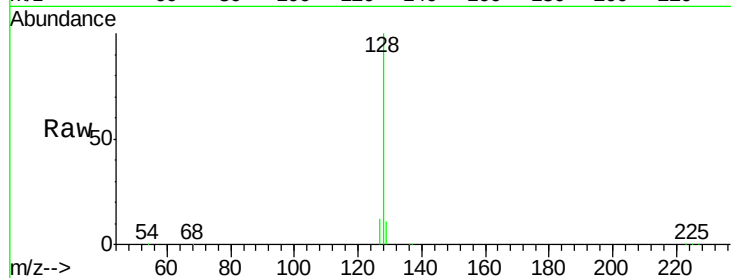
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.5	17.3#
127	12.2	11.0	16.6

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#10

Hexachlorobutadiene

Concen: 9.03 ng

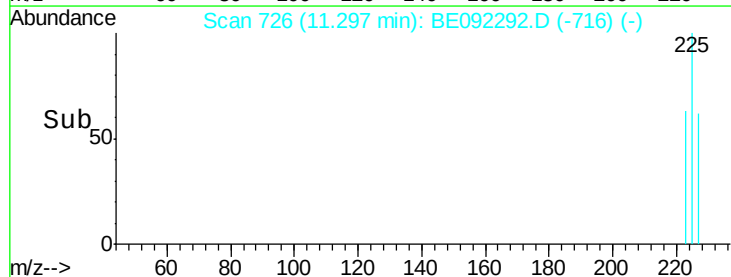
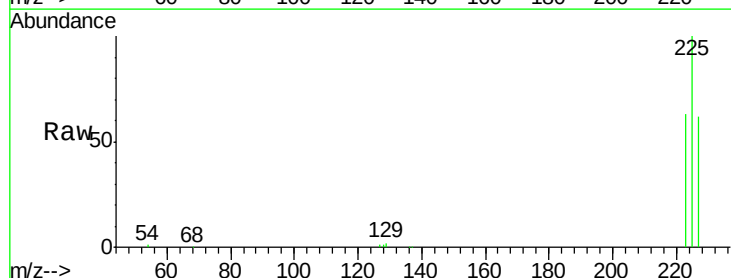
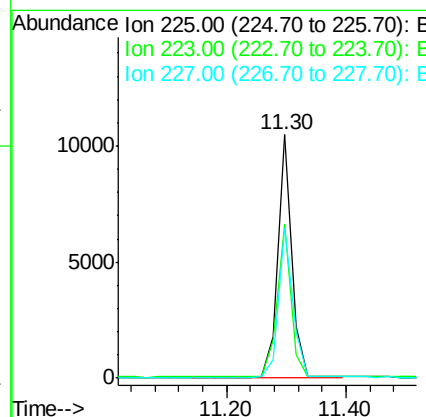
RT: 11.30 min Scan# 726

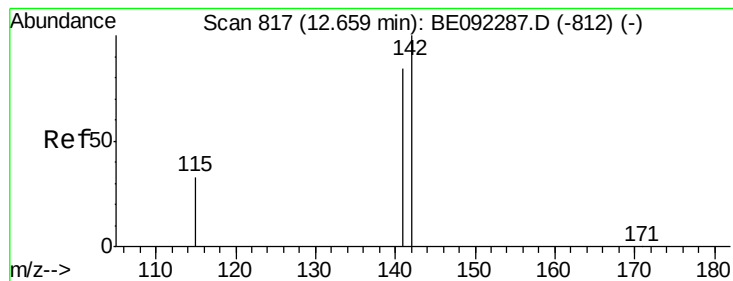
Delta R.T. -0.00 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	52.2	78.4
227	63.8	51.0	76.6





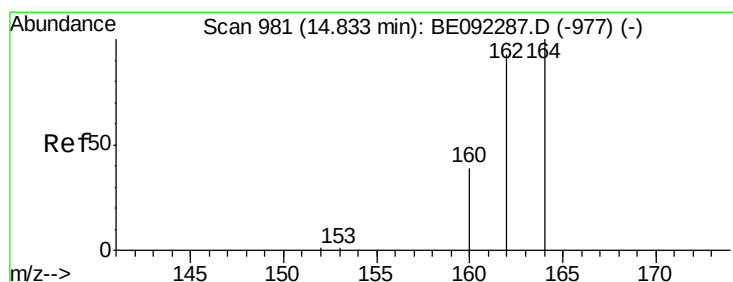
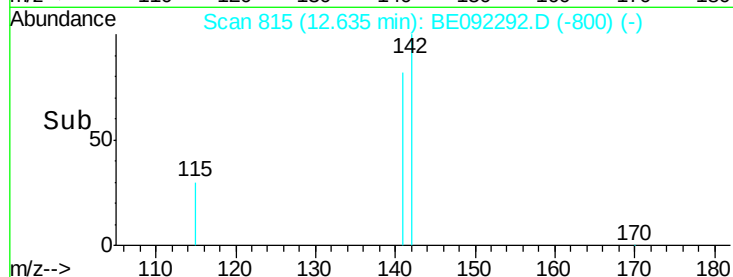
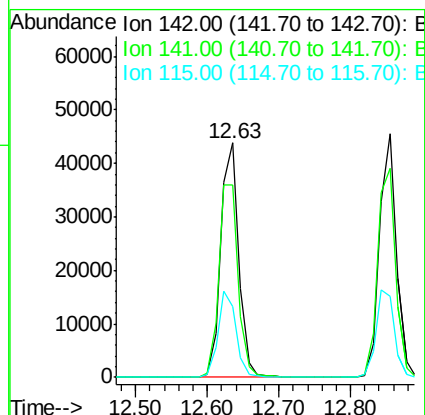
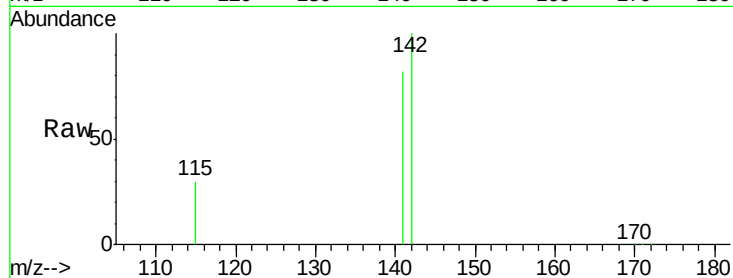
#11
2-Methylnaphthalene
Concen: 10.41 ng
RT: 12.63 min Scan# 815
Delta R.T. -0.02 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.2	70.6	105.8
115	30.5	31.0	46.4

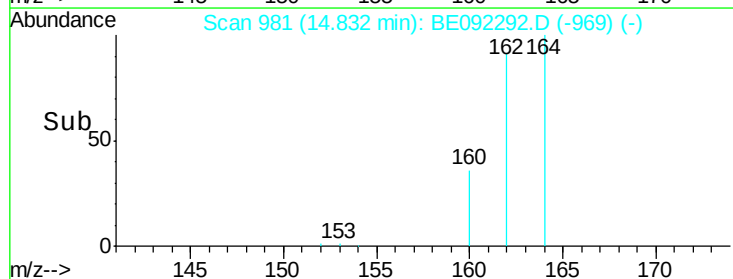
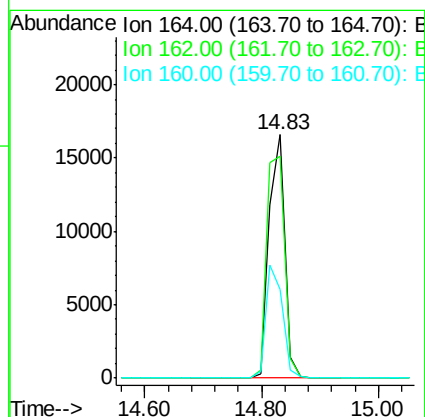
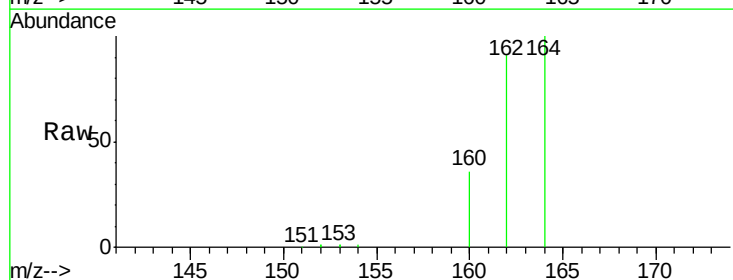
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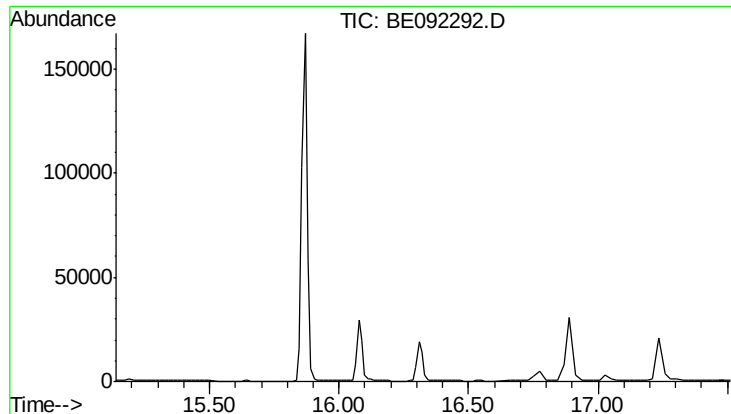
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	91.4	83.3	124.9
160	36.3	38.0	57.0





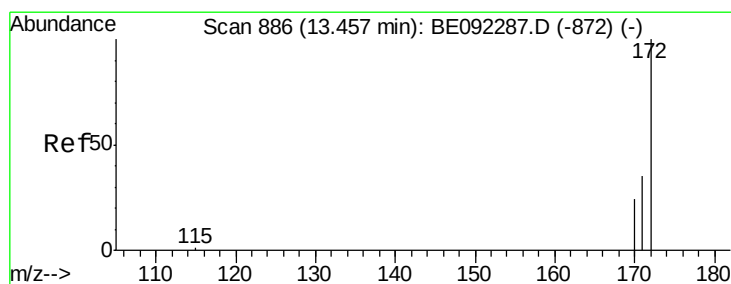
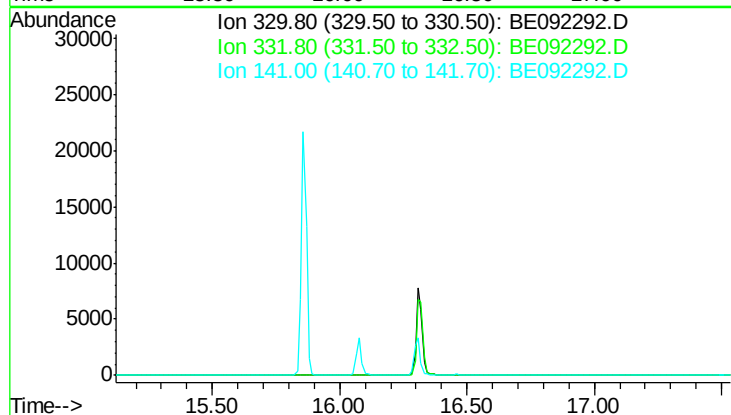
#13
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 16.33 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion: 330
 Sig Exp Ratio
 330 100
 332 94.2
 141 47.1

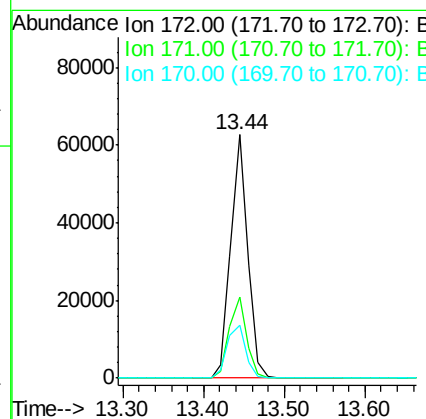
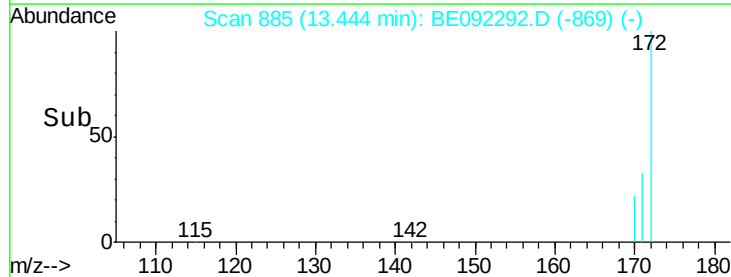
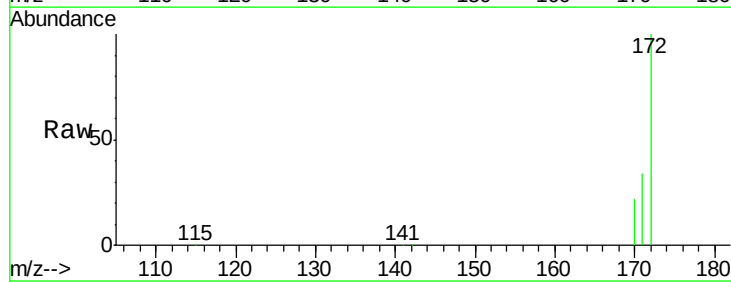
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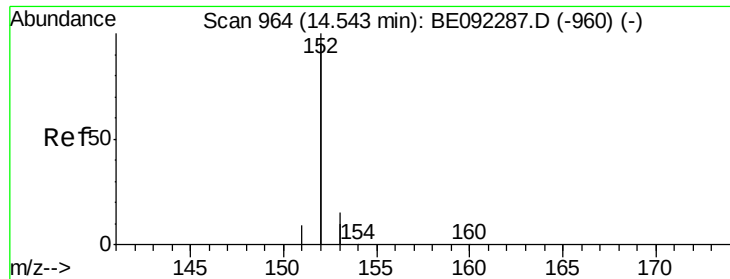
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#14
 2-Fluorobiphenyl
 Concen: 9.44 ng
 RT: 13.44 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Tgt Ion: 172 Resp: 91449
 Ion Ratio Lower Upper
 172 100
 171 33.5 26.8 40.2
 170 21.6 17.8 26.6





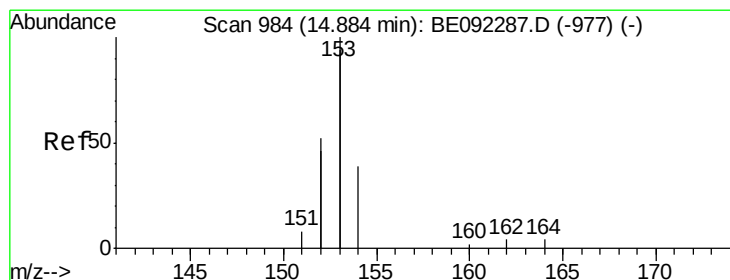
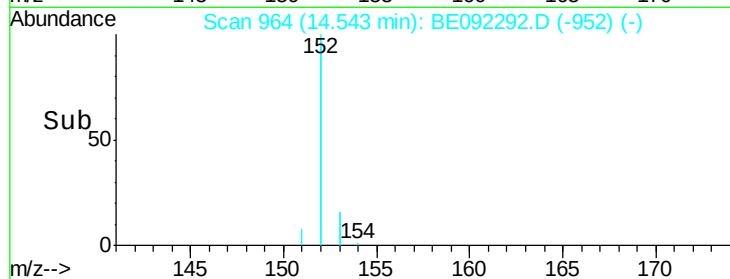
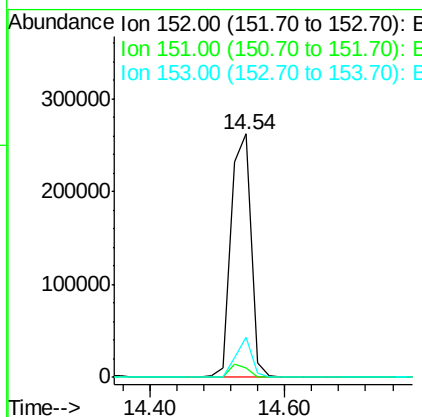
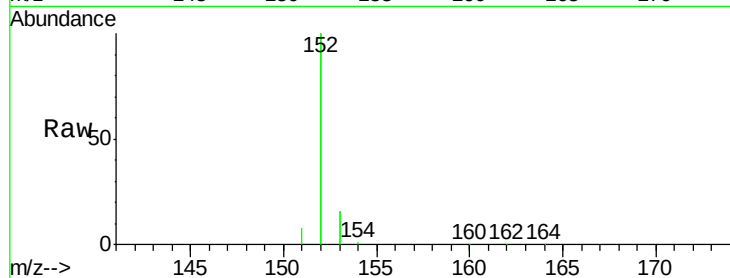
#15
Acenaphthylene
Concen: 10.32 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.2	10.2	15.2

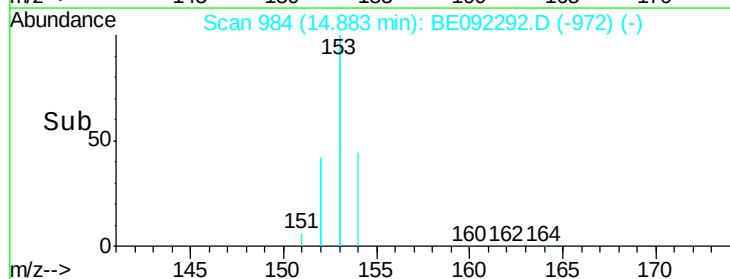
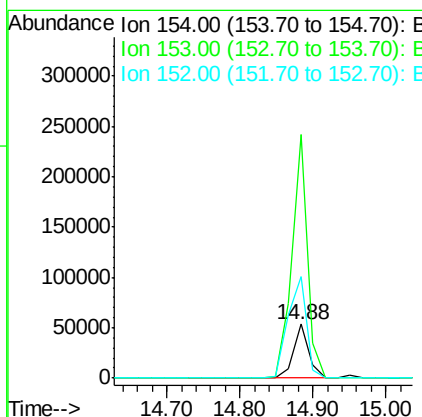
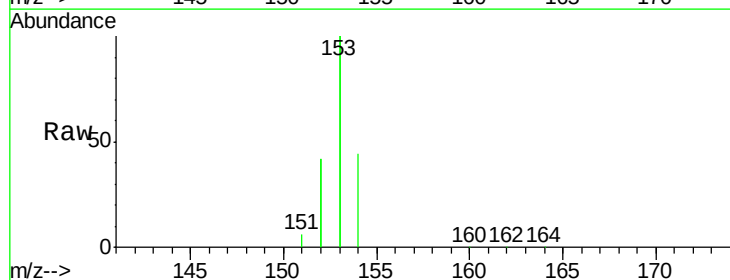
Manual Integrations
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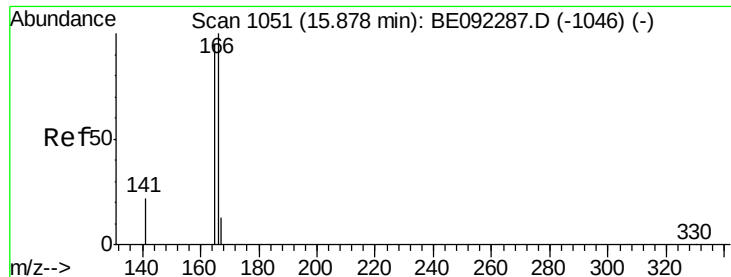
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#16
Acenaphthene
Concen: 9.08 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
154	100		
153	455.3	355.0	532.4
152	224.5	179.7	269.5





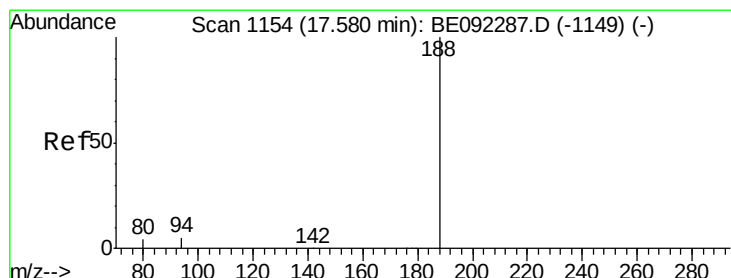
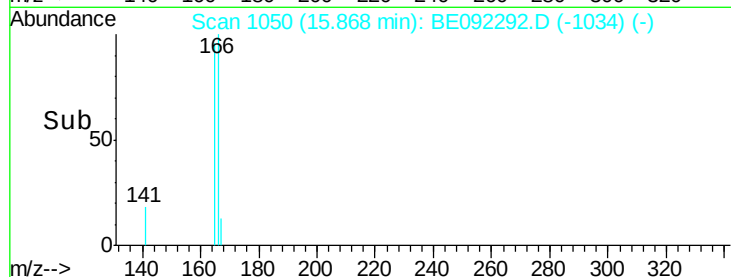
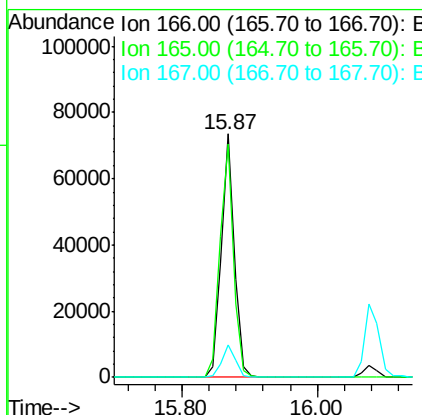
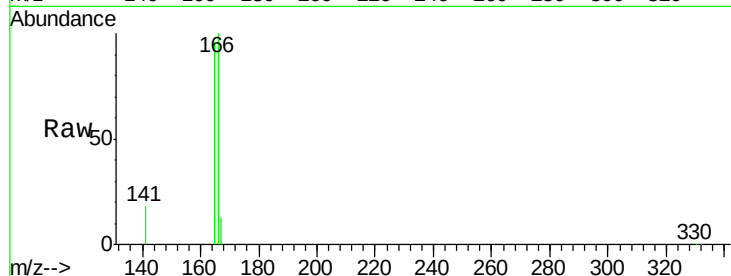
#17
Fluorene
 Concen: 9.73 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Instrument :
 BNA_E
 ClientSampled :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.1	120.1
167	13.6	10.6	16.0

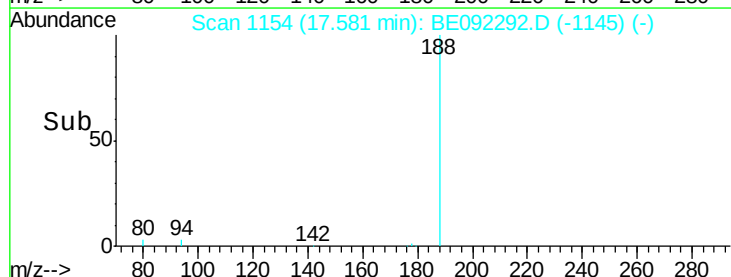
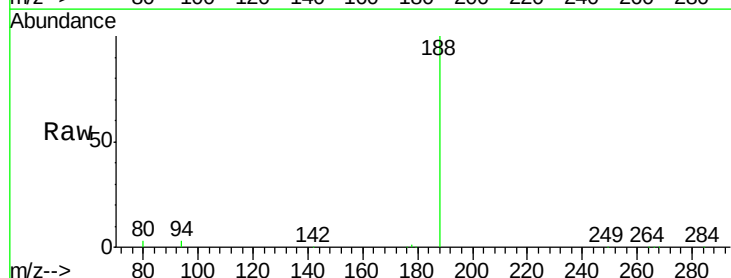
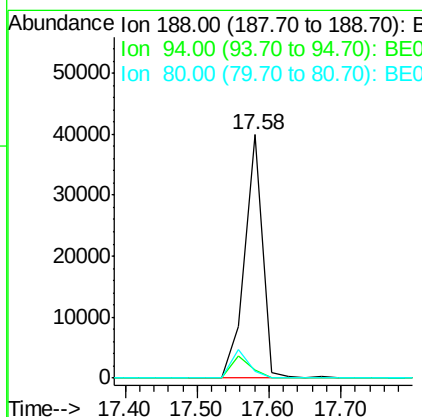
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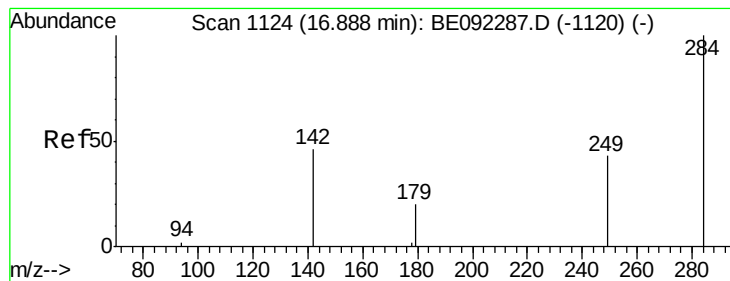
sohil
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.5	9.2	13.8#
80	2.7	9.1	13.7#





#19

Hexachlorobenzene

Concen: 10.46 ng

RT: 16.89 min Scan# 1124

Delta R.T. 0.00 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

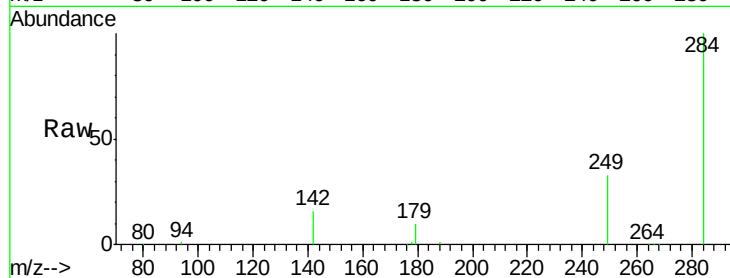
ClientSampled :

SSTDIC010

Tot Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	0.0	0.0	0.0
249	32.5	0.0	0.0

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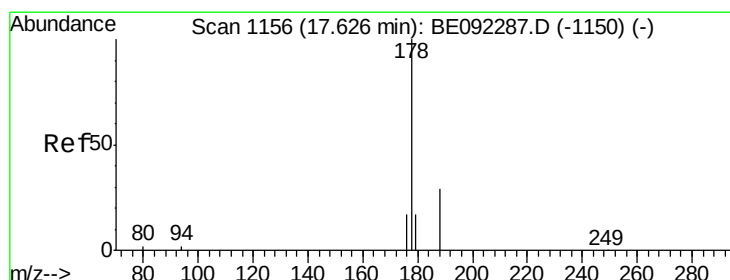
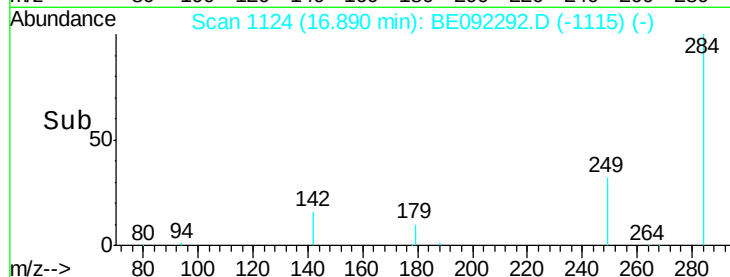
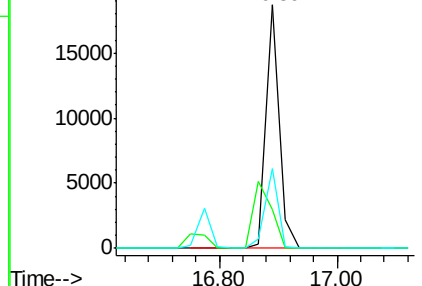
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Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Phenanthrene

Concen: 9.71 ng

RT: 17.60 min Scan# 1155

Delta R.T. -0.02 min

Lab File: BE092292.D

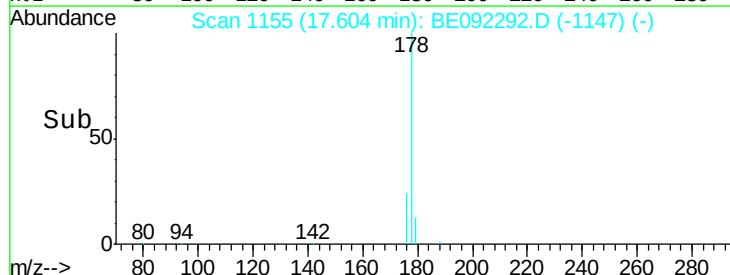
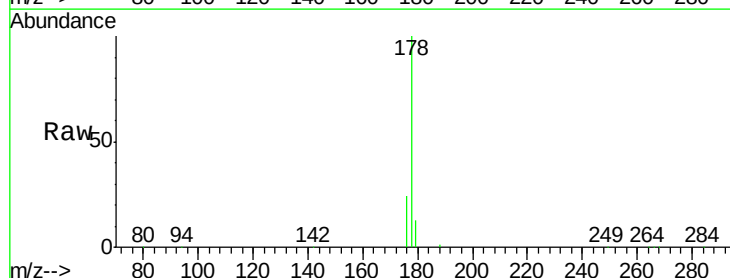
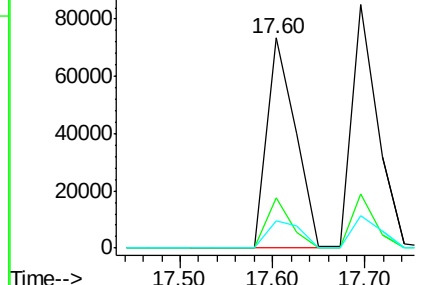
Acq: 29 Aug 2016 16:23

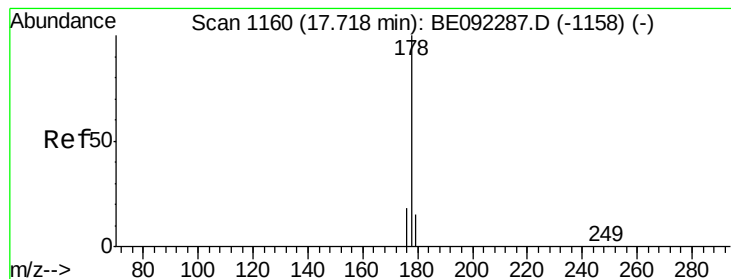
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.2	15.1	22.7
179	15.1	12.9	19.3

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#22

Anthracene

Concen: 11.33 ng

RT: 17.70 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

Instrument :

BNA_E

ClientSampled :

SSTDICC010

Tot Ion:178 Resp: 163928

Ion Ratio Lower Upper

178 100

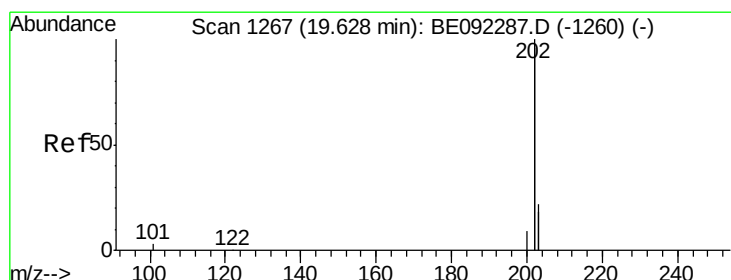
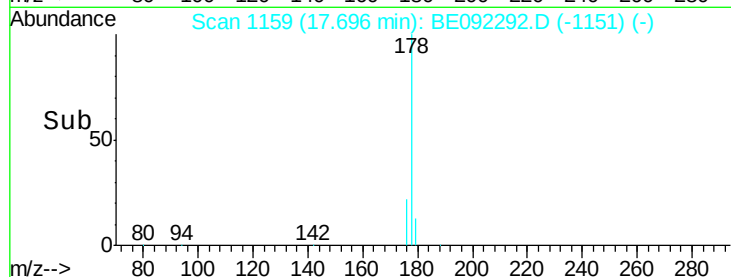
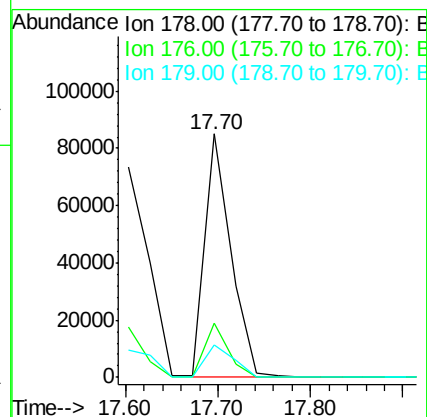
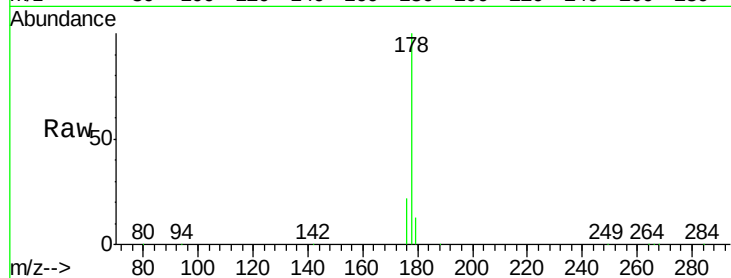
176 20.1 15.0 22.4

179 14.8 12.0 18.0

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#23

Fluoranthene

Concen: 10.98 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.02 min

Lab File: BE092292.D

Acq: 29 Aug 2016 16:23

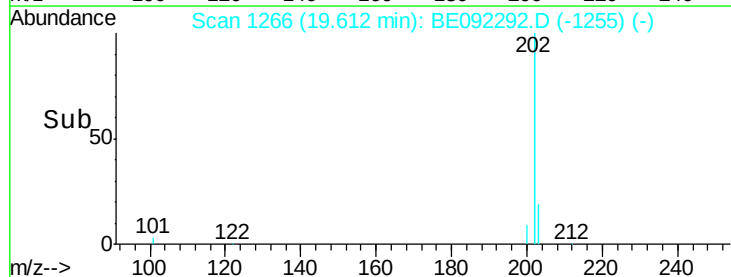
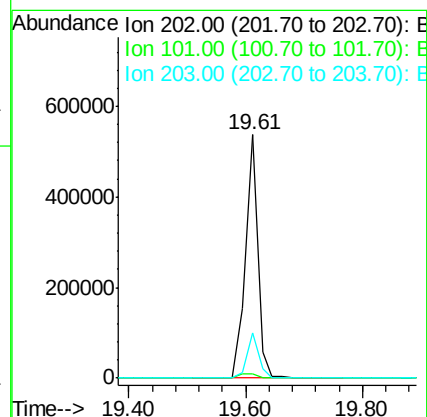
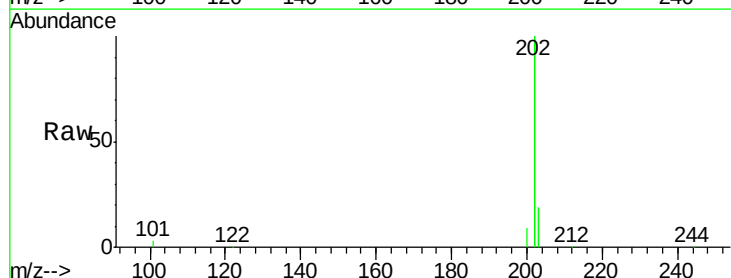
Tgt Ion:202 Resp: 776117

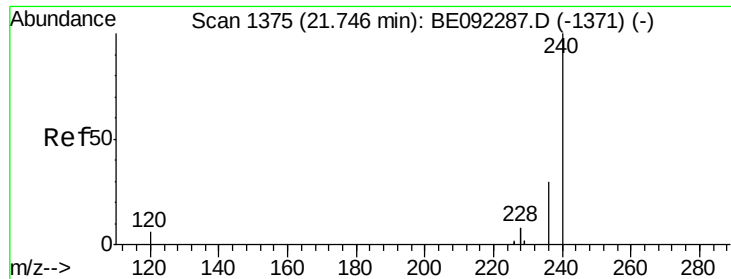
Ion Ratio Lower Upper

202 100

101 2.7 2.2 3.4

203 17.7 13.7 20.5





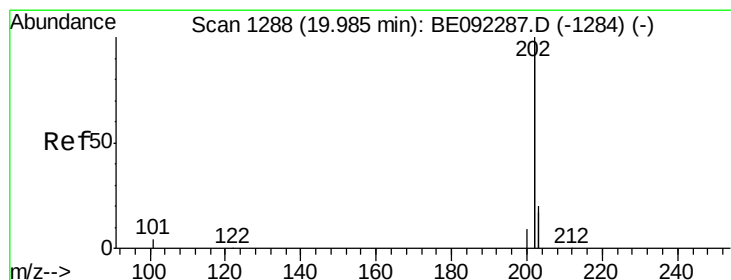
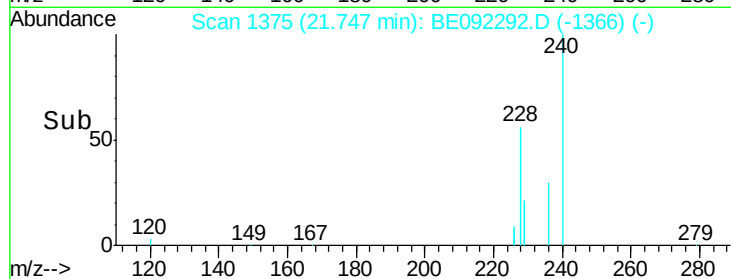
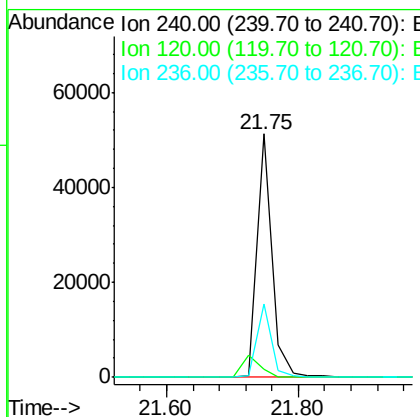
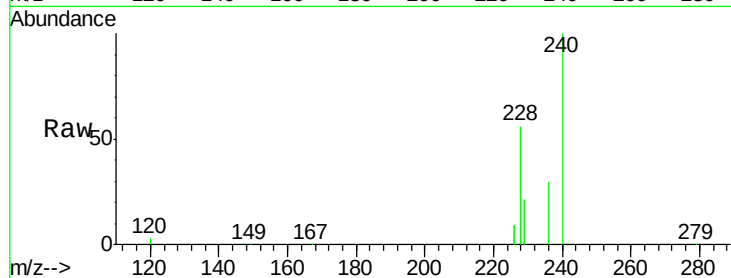
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.3	1.2	1.8#
236	30.3	17.1	25.7#

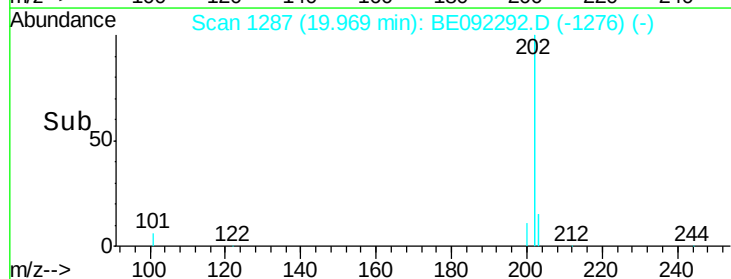
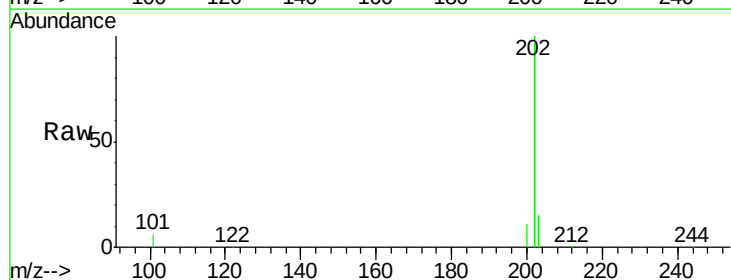
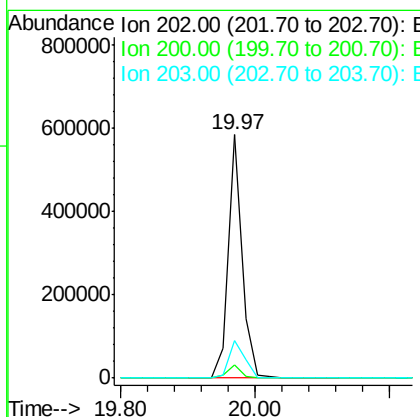
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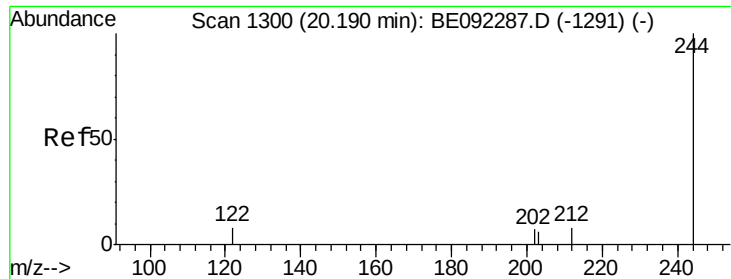
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#25
Pyrene
Concen: 11.18 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.4	4.2	6.4
203	17.4	14.0	21.0





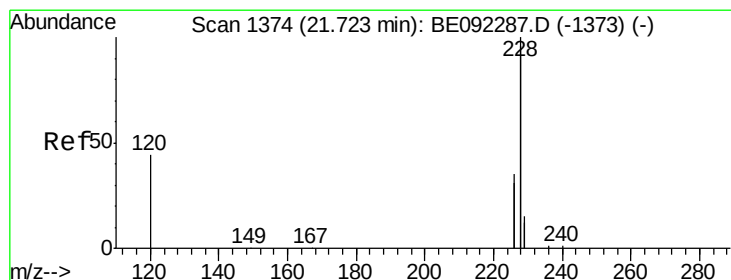
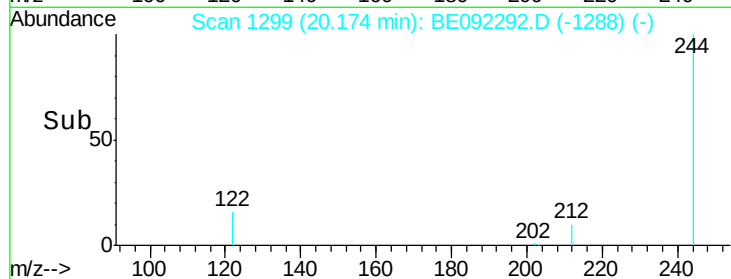
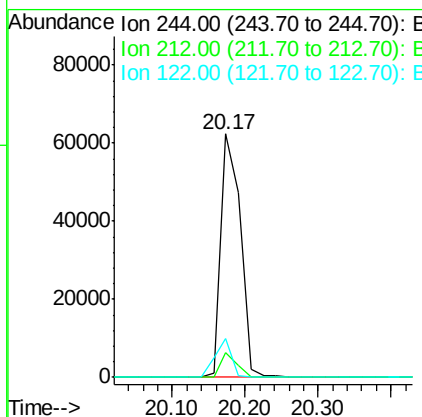
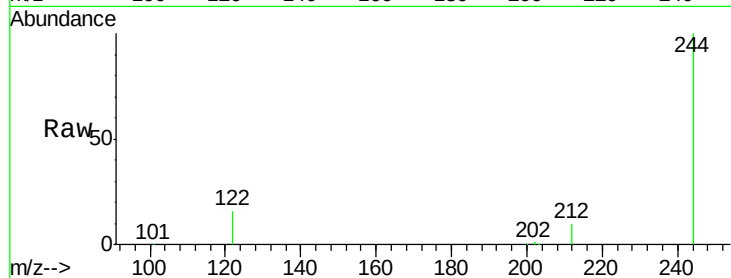
#26
 Terphenyl-d14
 Concen: 10.60 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.0	10.2	15.2#
122	16.0	15.9	23.9

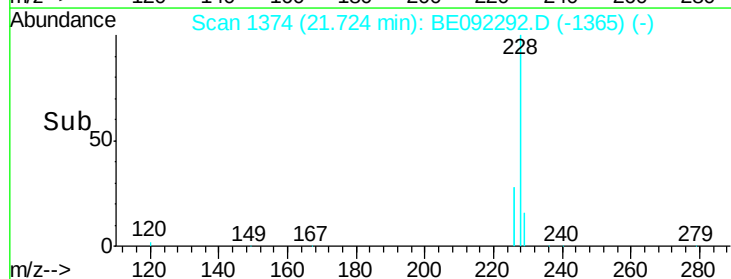
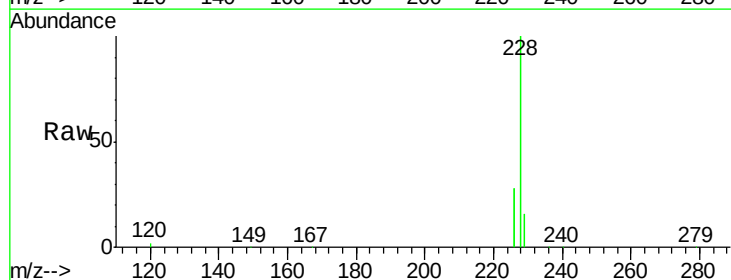
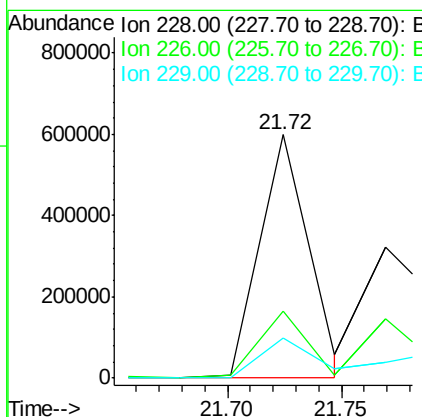
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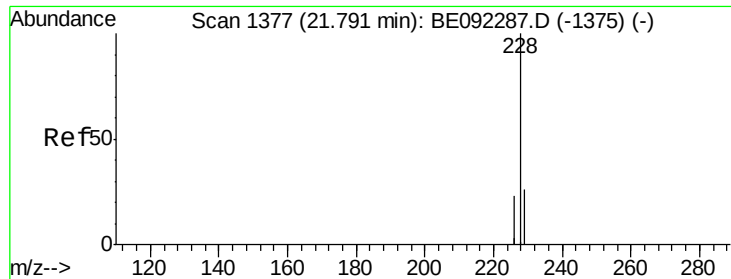
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#27
 Benzo(a)anthracene
 Concen: 10.81 ng m
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092292.D
 Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	15.9	23.9#
229	16.4	22.4	33.6#





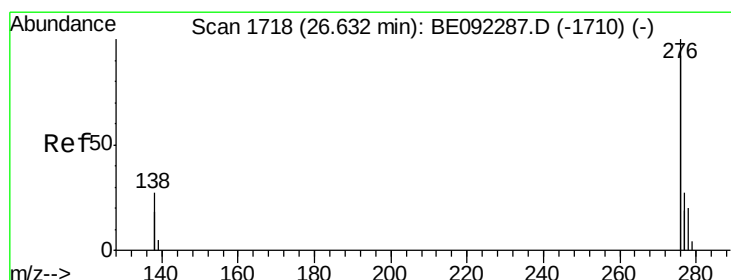
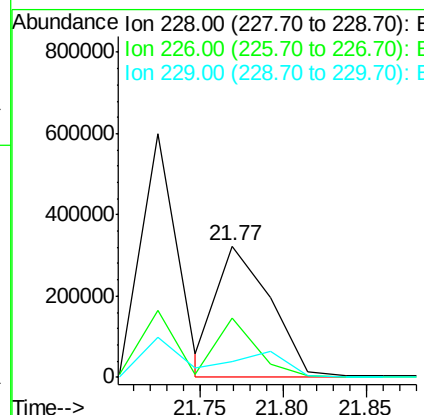
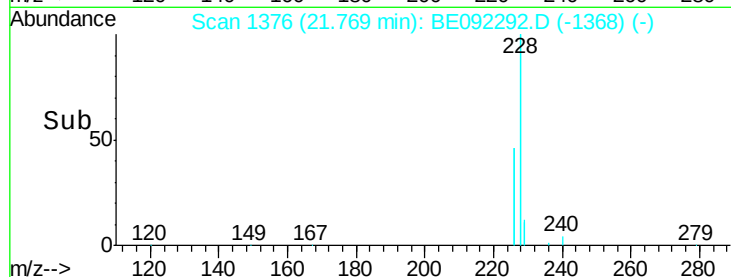
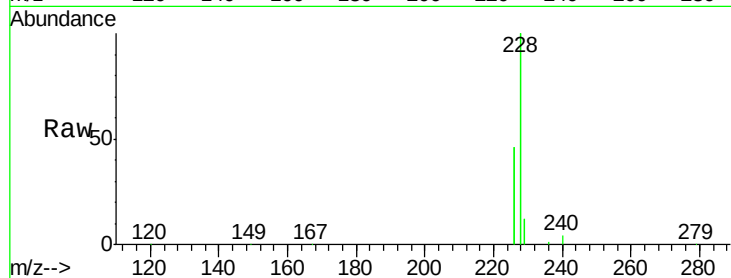
#28
Chrysene
Concen: 9.35 ng/ml
RT: 21.77 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
228	100		
226	45.6	18.3	27.5#
229	11.6	18.6	27.8#

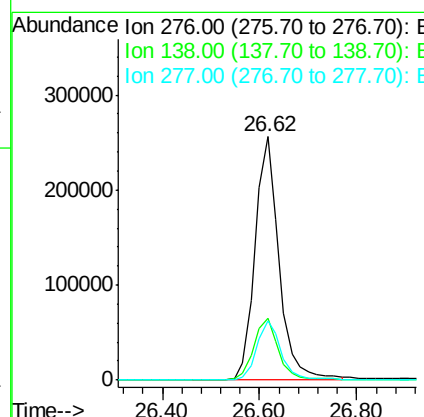
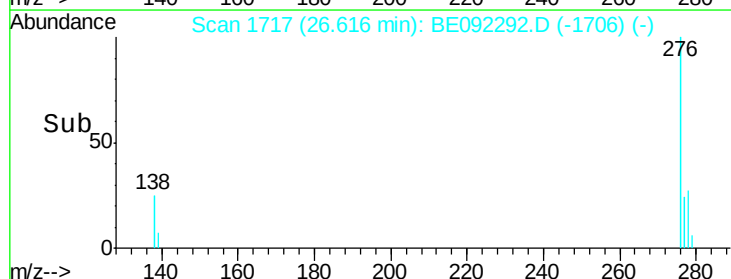
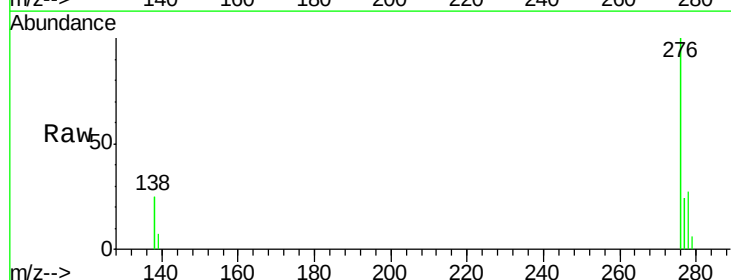
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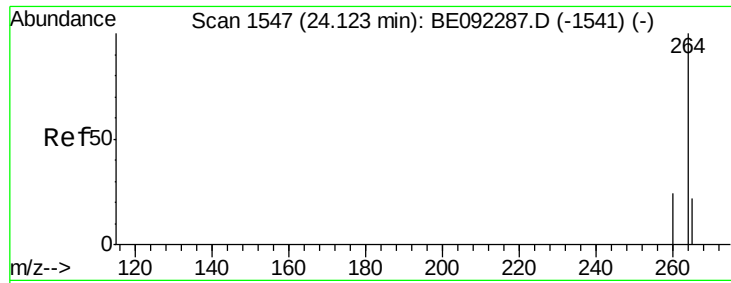
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#30
Indeno(1,2,3-cd)pyrene
Concen: 11.74 ng
RT: 26.62 min Scan# 1717
Delta R.T. -0.02 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	21.3	31.9
277	24.7	19.7	29.5





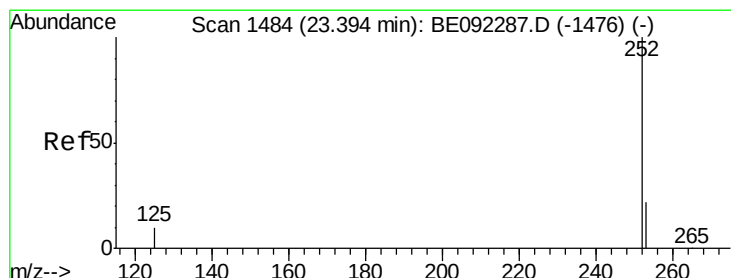
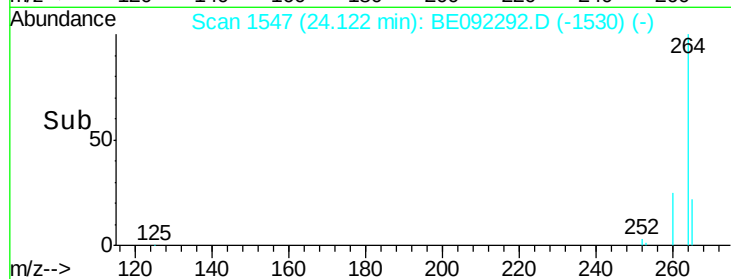
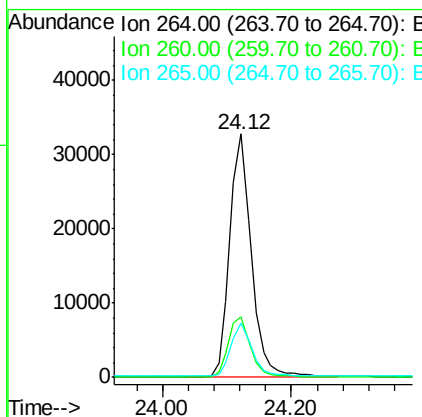
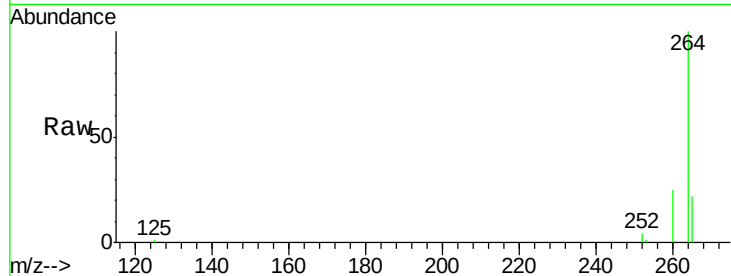
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.3	18.2	27.4

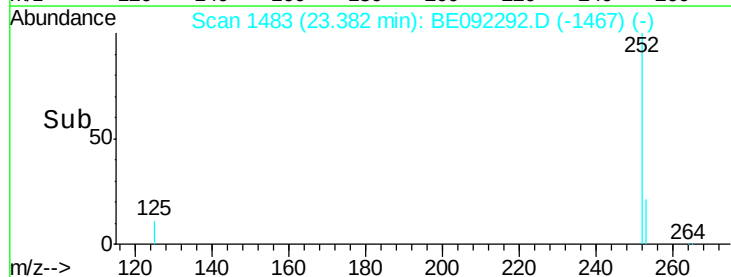
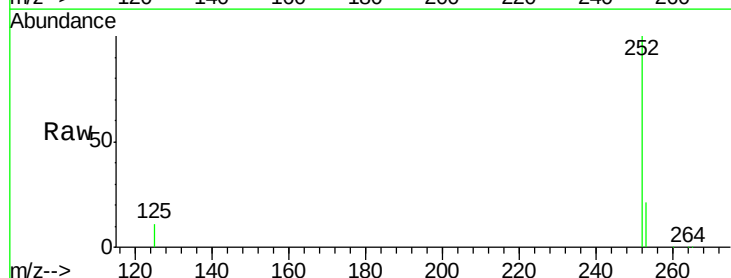
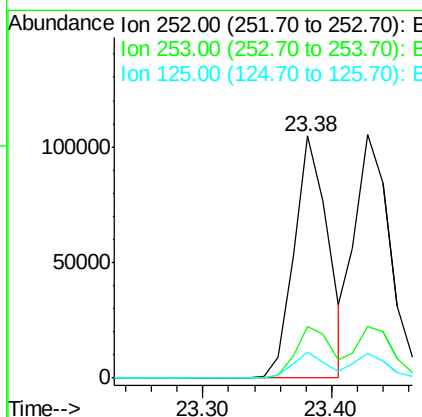
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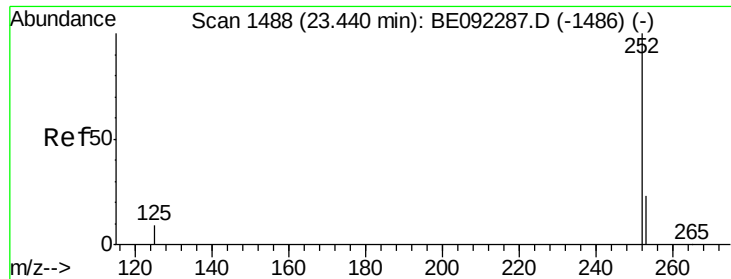
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#32
Benzo(b)fluoranthene
Concen: 10.98 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	19.0	28.4
125	10.6	10.3	15.5





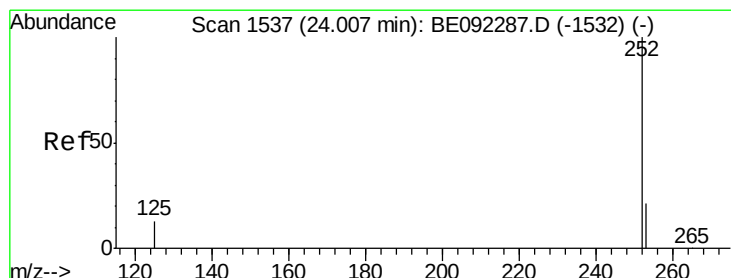
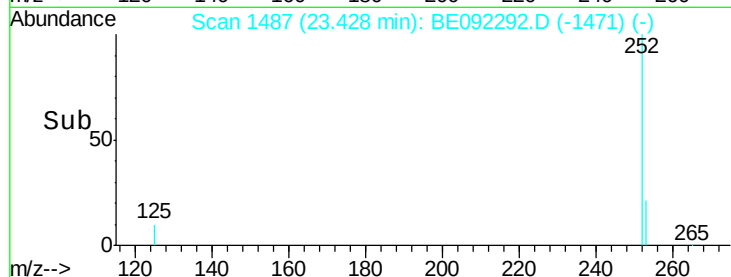
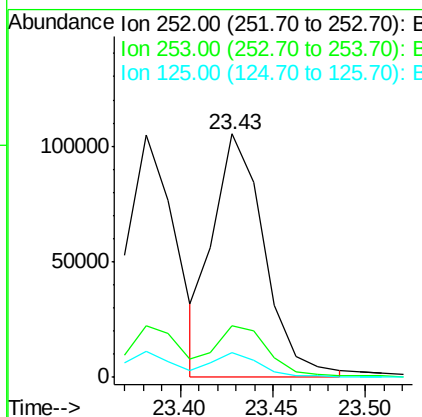
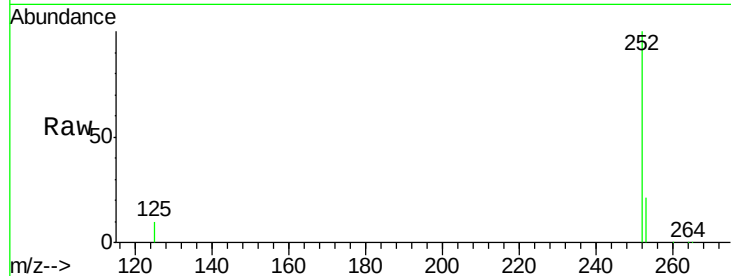
#33
Benzo(k)fluoranthene
Concen: 10.07 ng m
RT: 23.43 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	21.3	19.0	28.6
125	10.3	10.6	15.8#

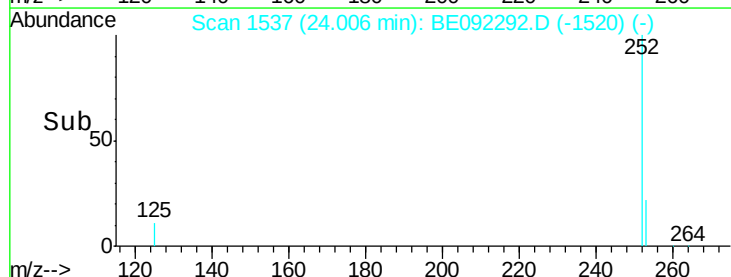
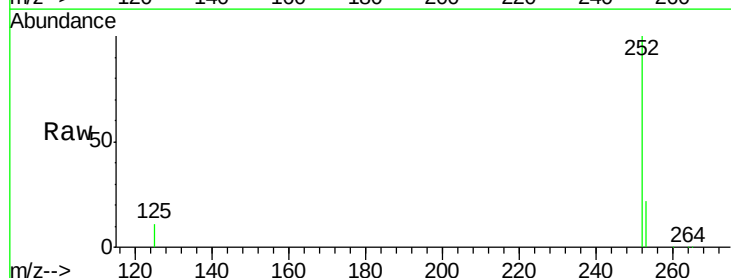
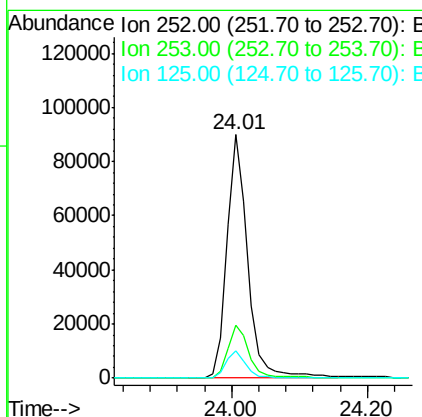
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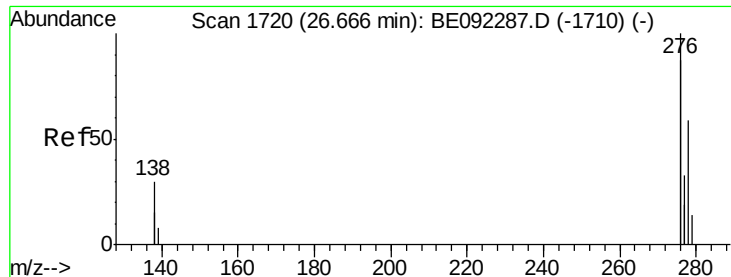
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#34
Benzo(a)pyrene
Concen: 11.07 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	21.6	20.3	30.5
125	11.2	11.8	17.6#





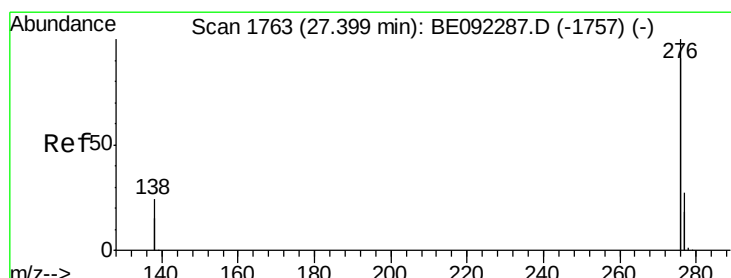
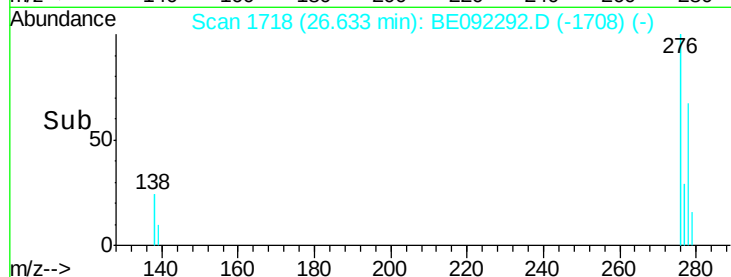
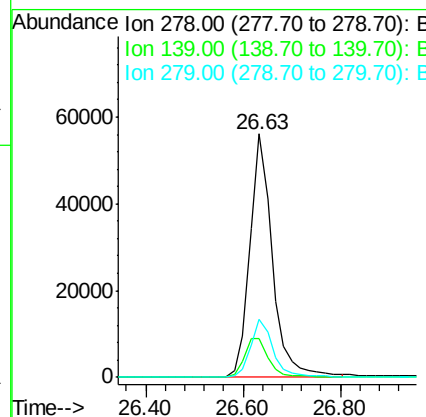
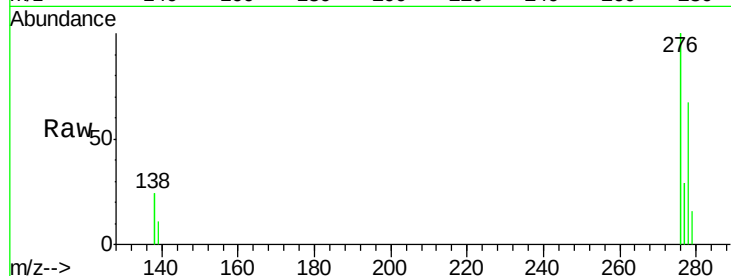
#35
Dibenzo(a,h)anthracene
Concen: 12.22 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.03 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	16.2	24.2#
279	23.6	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 11.07 ng
RT: 27.38 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092292.D
Acq: 29 Aug 2016 16:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	21.4	32.2
138	21.7	19.4	29.2

