

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094089.D
 Acq On : 23 Sep 2017 21:58
 Operator : SJ/JU
 Sample : I5340-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-006

Manual Integrations
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Quant Time: Sep 25 13:26:33 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 25 13:07:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1786	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	10575	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	7253	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	25142	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15525	0.40	ng	0.00
34) Perylene-d12	23.91	264	14245	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	3079	0.28	ng	0.00
5) Phenol-d6	7.09	99	4846	0.46	ng	0.00
8) Nitrobenzene-d5	9.06	82	3968	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	7704	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1576	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	10172	0.43	ng	0.00
25) Fluoranthene-d10	19.27	212	86802	0.27	ng	0.00
29) Terphenyl-d14	19.85	244	13097	0.54	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	5002	0.037	ng	# 95
12) 2-Methylnaphthalene	12.35	142	764	0.036	ng	# 94
16) Acenaphthylene	14.23	152	5662	0.155	ng	99
17) Acenaphthene	14.57	154	936	0.039	ng	93
18) Fluorene	15.56	166	2042	0.057	ng	# 85
23) Phenanthrene	17.27	178	59845	0.665	ng	97
24) Anthracene	17.37	178	8681	0.125	ng	# 93
26) Fluoranthene	19.30	202	121946	1.262	ng	98
28) Pyrene	19.65	202	116404	2.710	ng	# 95
30) Benzo(a)anthracene	21.38	228	46864	0.901	ng	97
31) Chrysene	21.44	228	56260	1.104	ng	97
32) Bis(2-ethylhexyl)phthalate	21.29	149	35939	0.257	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	31692	0.805	ng	97
35) Benzo(b)fluoranthene	23.14	252	70265	1.363	ng	96
36) Benzo(k)fluoranthene	23.18	252	21589m	0.417	ng	
37) Benzo(a)pyrene	23.79	252	46311	1.000	ng	98
38) Dibenzo(a,h)anthracene	26.56	278	7917	0.214	ng	# 73
39) Benzo(a,h,i)perylene	27.37	276	32631	0.881	ng	99

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

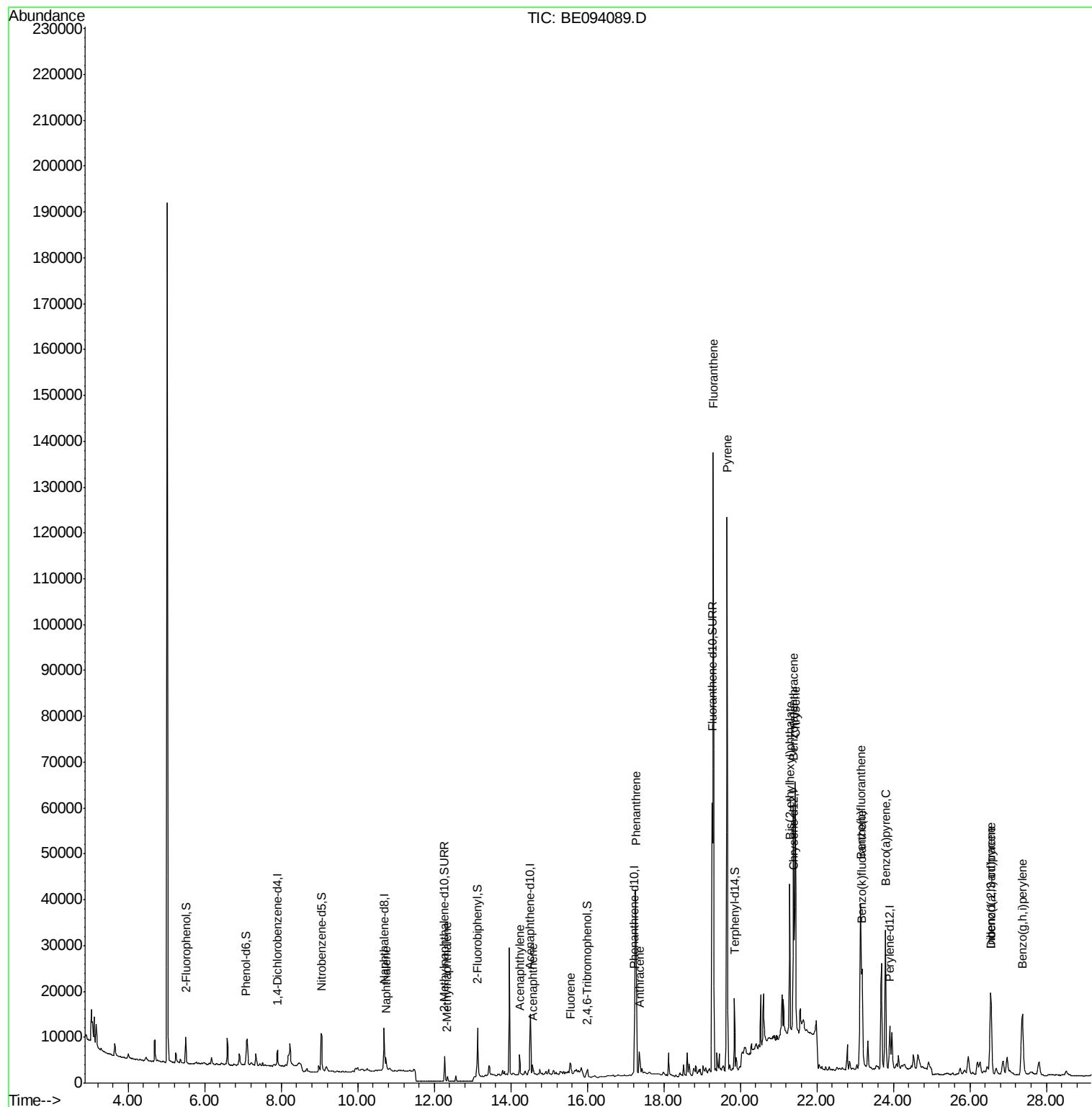
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094089.D
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Sample : I5340-06
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ALS Vial : 16 Sample Multiplier: 1

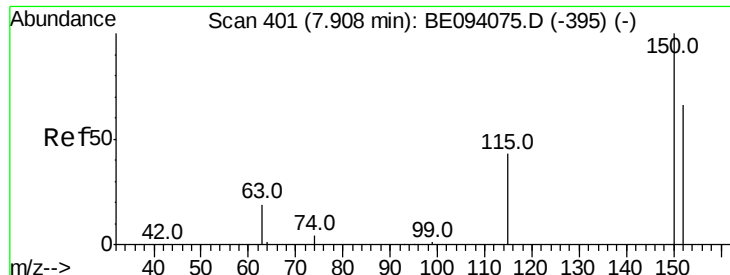
Instrument :
BNA_E
ClientSampled :
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Quant Time: Sep 25 13:26:33 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

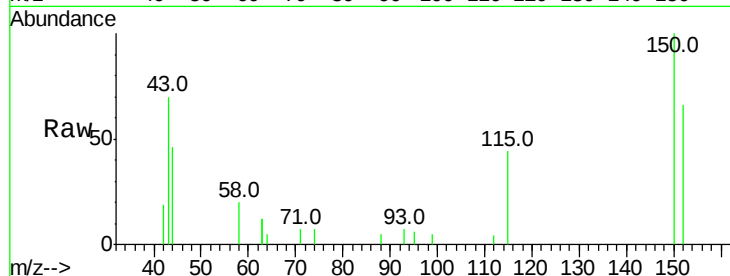
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampled :
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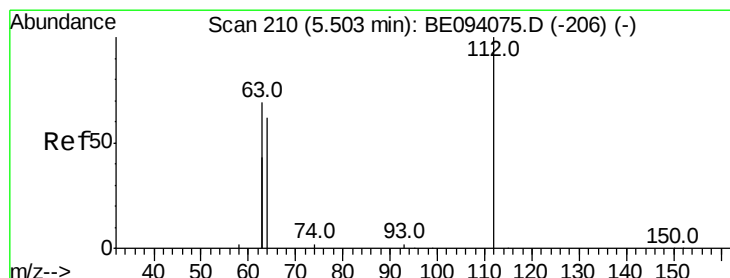
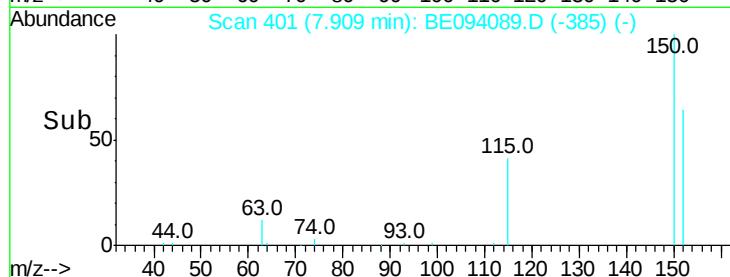
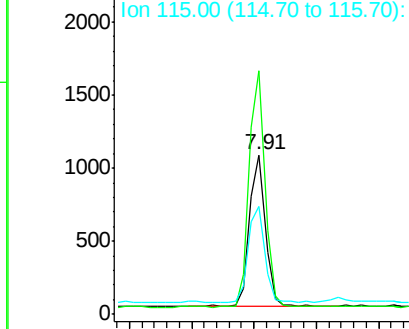
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	117.2	175.8
115	67.6	57.0	85.6

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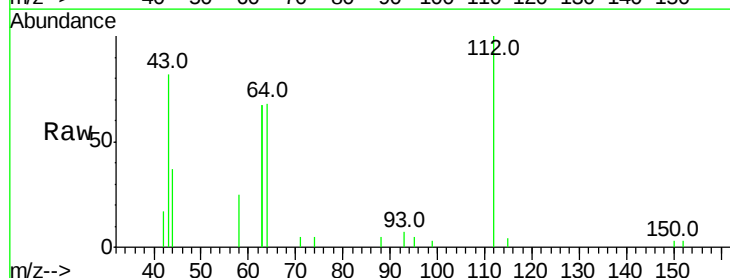
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



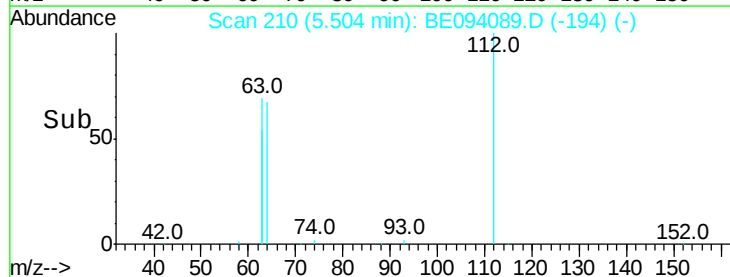
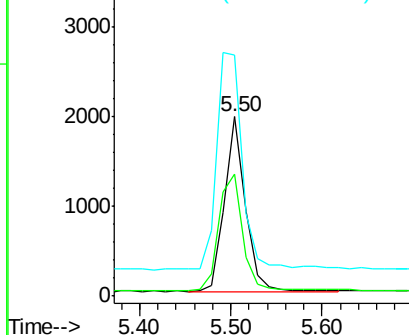
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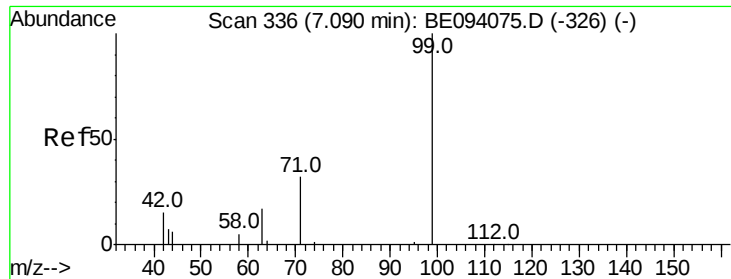
2-Fluorophenol
Concen: 0.275 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.3	60.1	90.1
63	157.3	116.8	175.2



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





#5

Phenol-d6

Concen: 0.459 ng

RT: 7.09 min Scan# 336

Delta R.T. 0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Instrument :

BNA_E

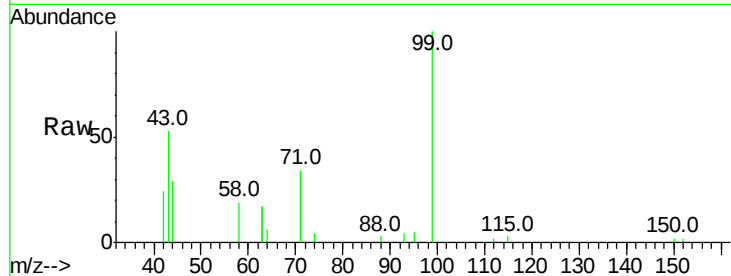
ClientSampleId :

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Tot Ion:	99	Resp:	4846
Ion	Ratio	Lower	Upper
99	100		
42	24.9	20.2	30.2
71	36.3	28.4	42.6

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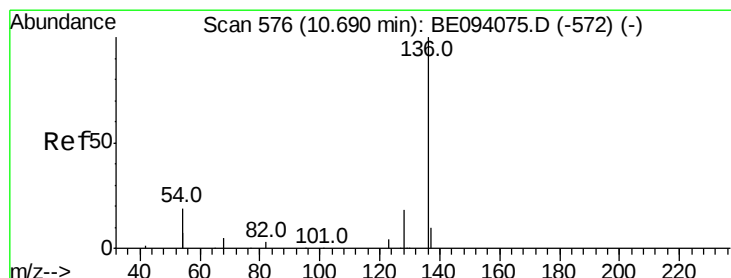
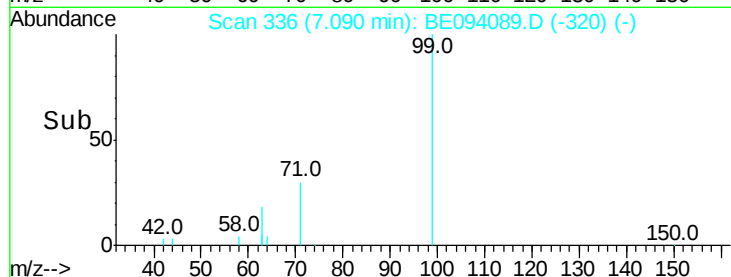
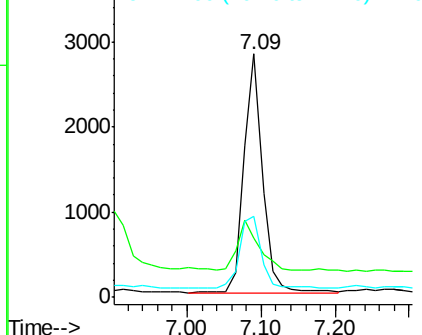


Abundance

Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.69 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Tgt Ion:	136	Resp:	10575
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	39.0	29.1	43.7
68	8.9	6.2	9.2

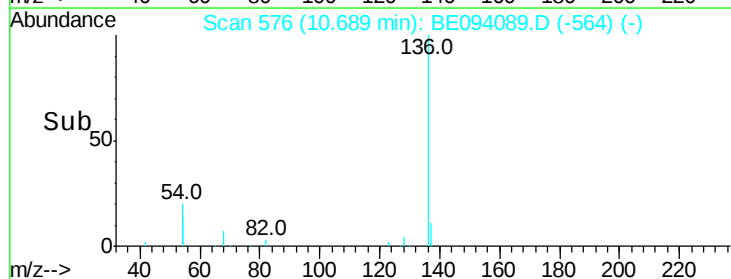
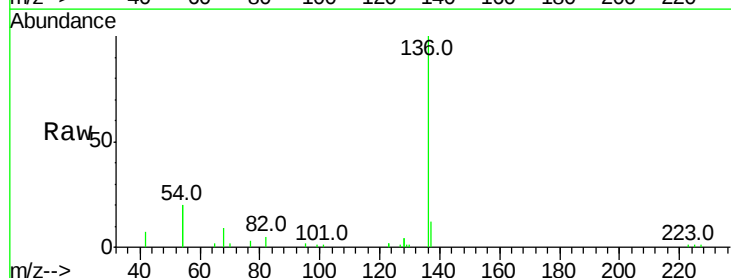
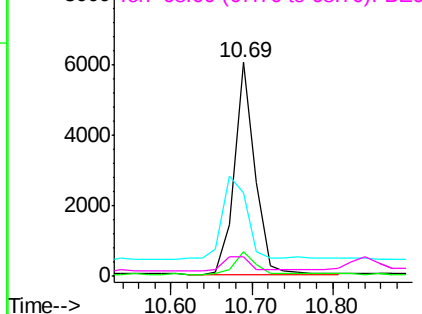
Abundance

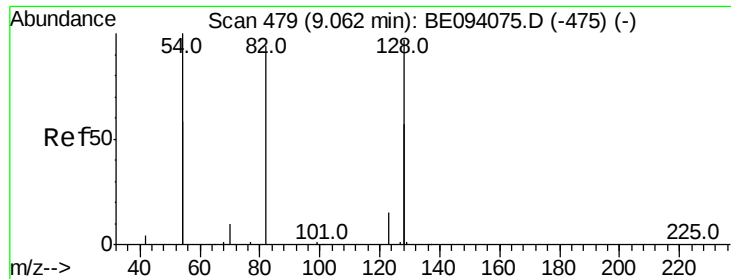
Ion 136.00 (135.70 to 136.70): BE0

Ion 137.00 (136.70 to 137.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.422 ng

RT: 9.06 min Scan# 479

Delta R.T. -0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Instrument :

BNA_E

ClientSampleId :

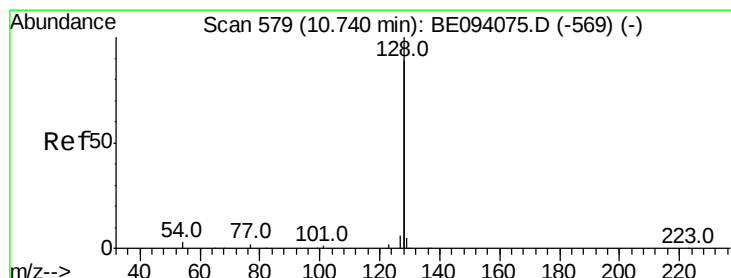
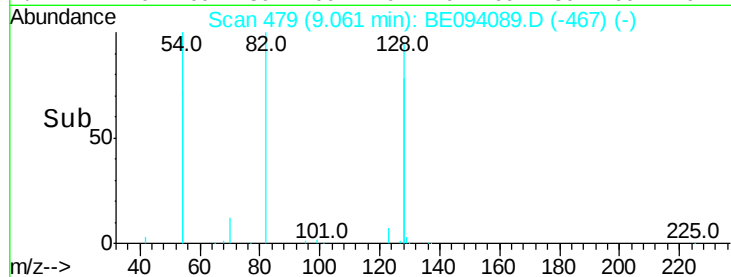
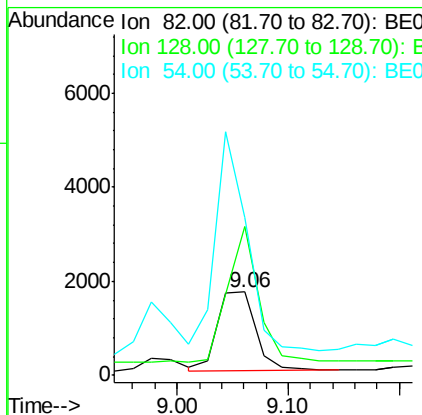
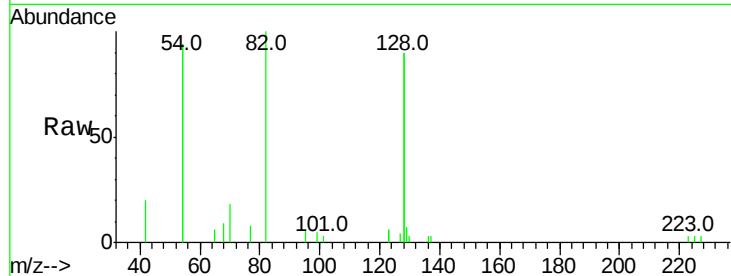
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Tot Ion:	82	Resp:	3968
Ion	Ratio	Lower	Upper
82	100		
128	179.3	150.0	225.0
54	188.5	154.2	231.4

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#9

Naphthalene

Concen: 0.037 ng

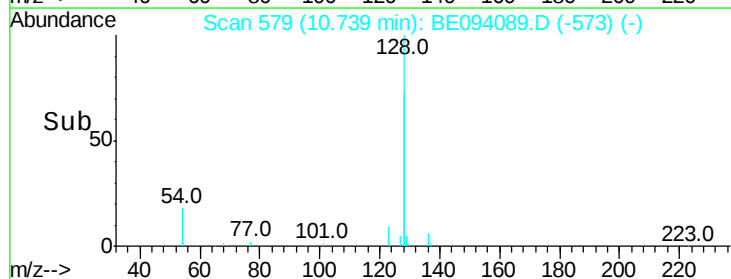
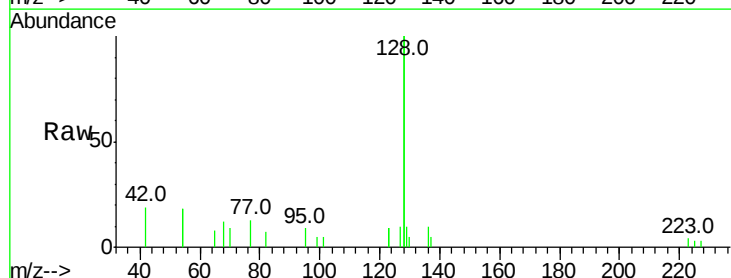
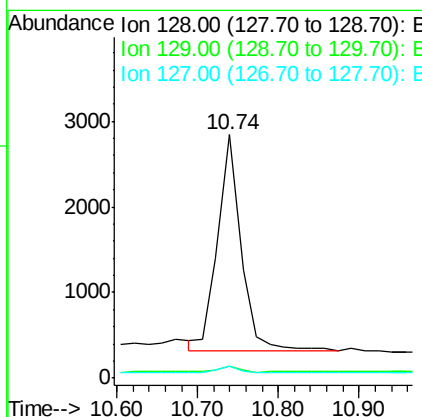
RT: 10.74 min Scan# 579

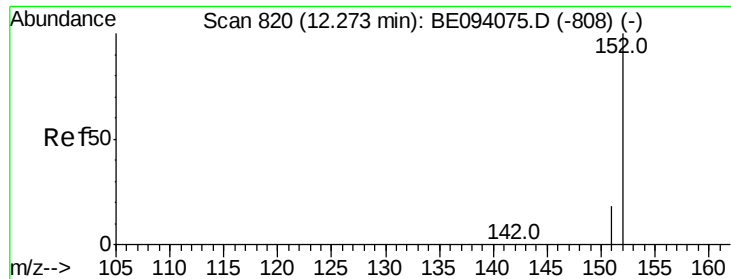
Delta R.T. -0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Tgt Ion:	128	Resp:	5002
Ion	Ratio	Lower	Upper
128	100		
129	5.1	2.6	3.8#
127	4.9	2.8	4.2#





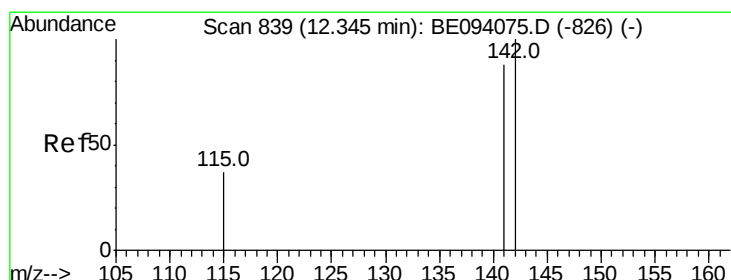
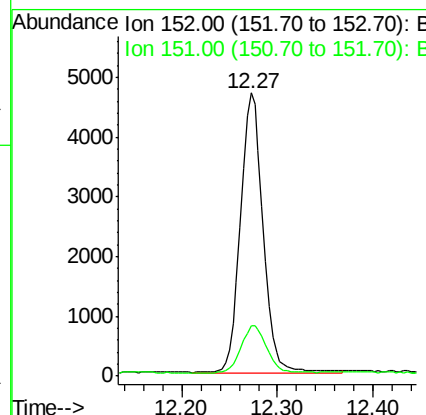
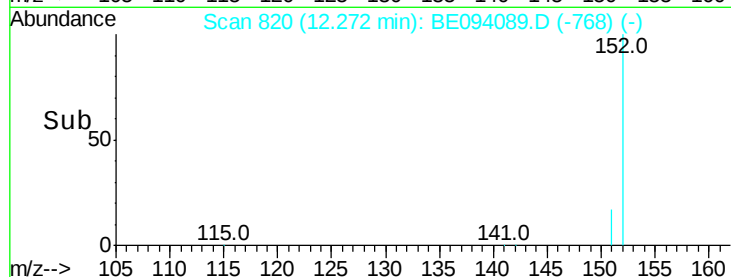
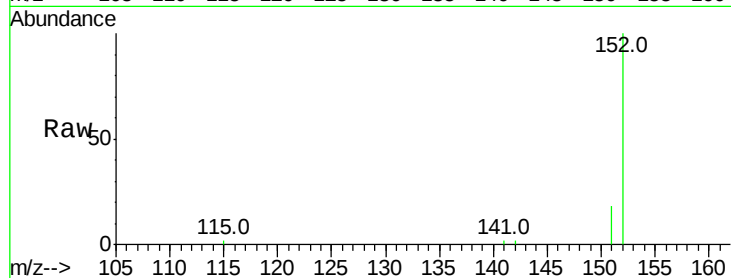
#11
 2-Methylnaphthalene-d10
 Concen: 0.430 ng
 RT: 12.27 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE094089.D
 Acq: 23 Sep 2017 21:58

Instrument :
 BNA_E
 ClientSampleID :
 LT-TS-006

Tot Ion:152 Resp: 7704
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.4 23.0

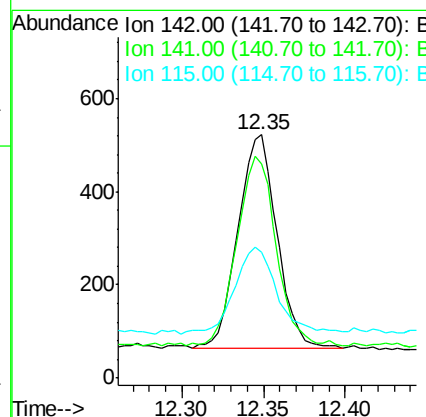
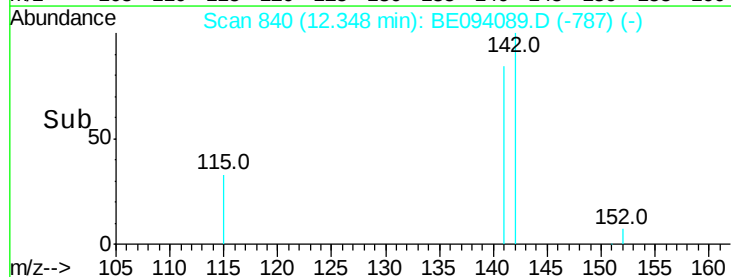
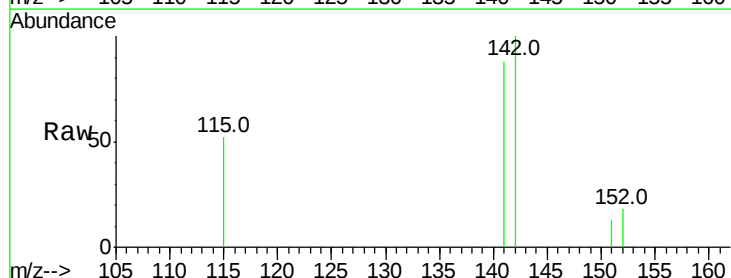
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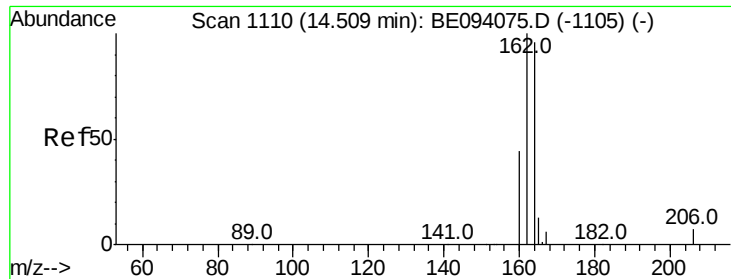
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#12
 2-Methylnaphthalene
 Concen: 0.036 ng
 RT: 12.35 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BE094089.D
 Acq: 23 Sep 2017 21:58

Tgt Ion:142 Resp: 764
 Ion Ratio Lower Upper
 142 100
 141 88.0 70.4 105.6
 115 51.8 31.7 47.5#





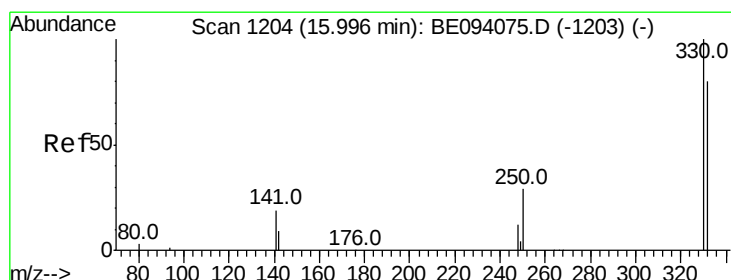
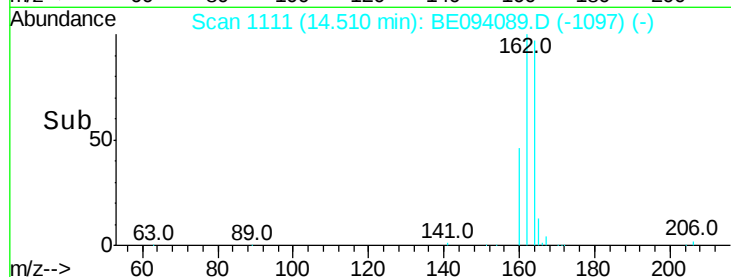
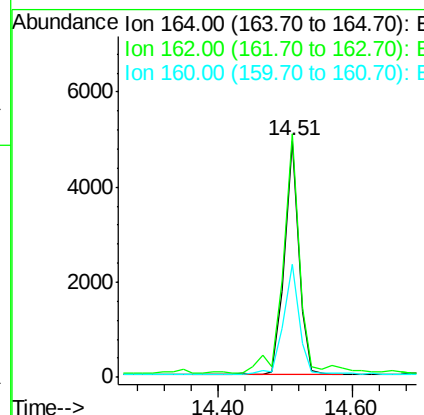
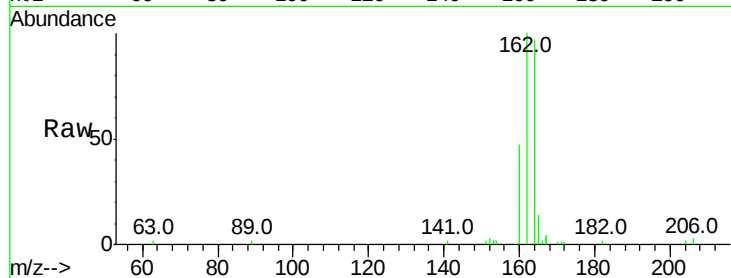
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.1	124.7
160	48.1	37.1	55.7

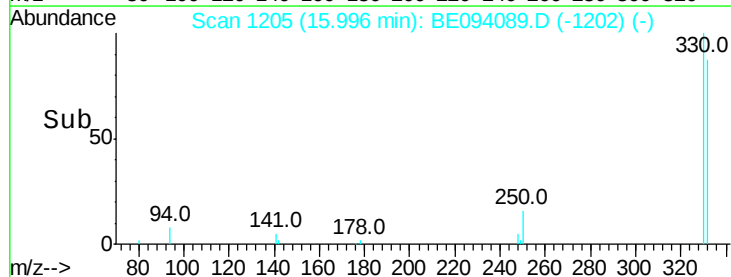
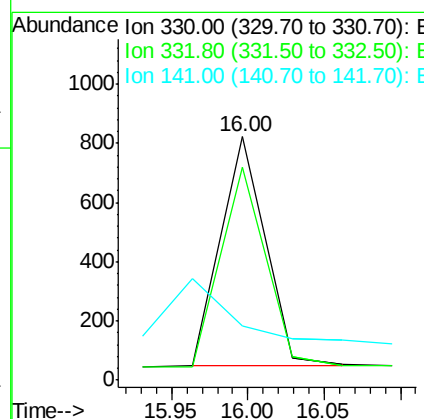
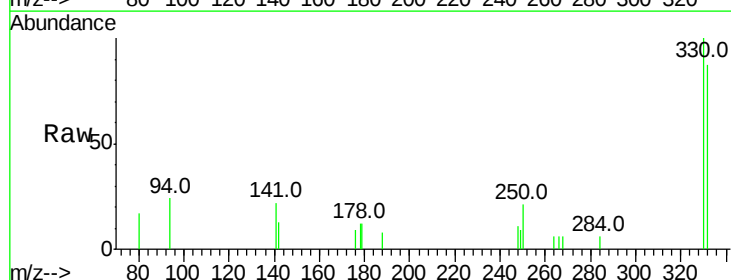
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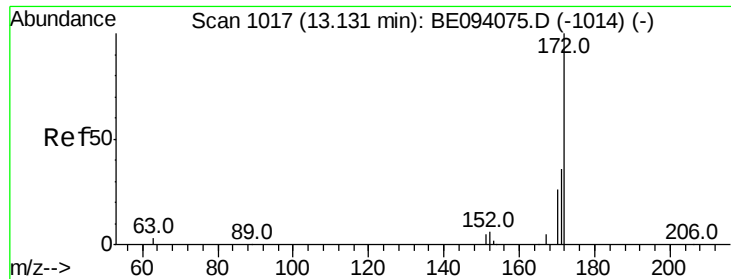
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#14
2,4,6-Tribromophenol
Concen: 0.286 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.6	152.7	229.1#
141	0.0	33.7	50.5#





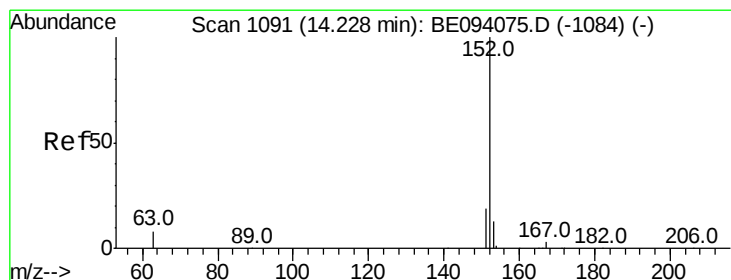
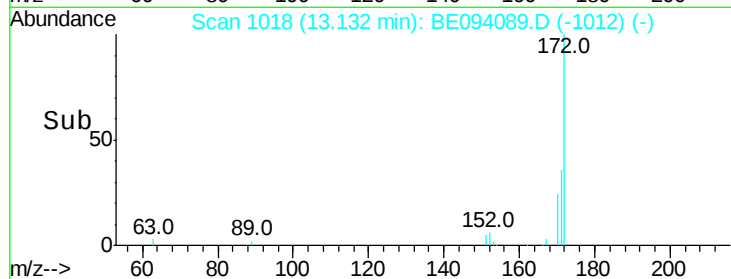
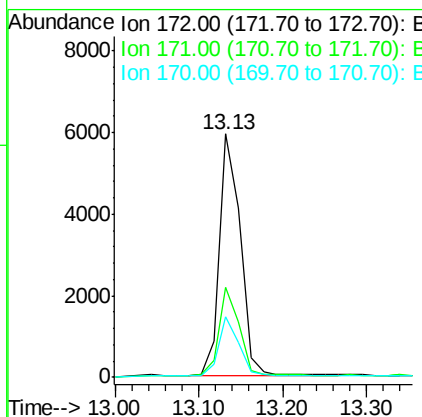
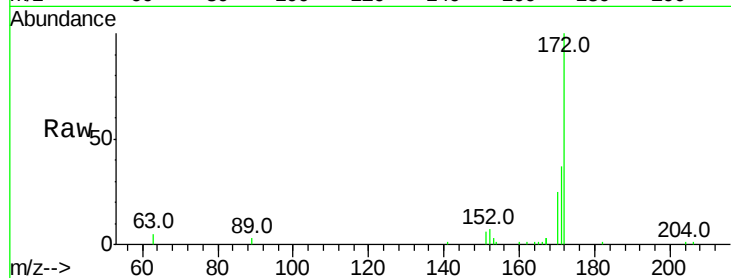
#15
2-Fluorobiphenyl
Concen: 0.427 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	25.1	21.8	32.8

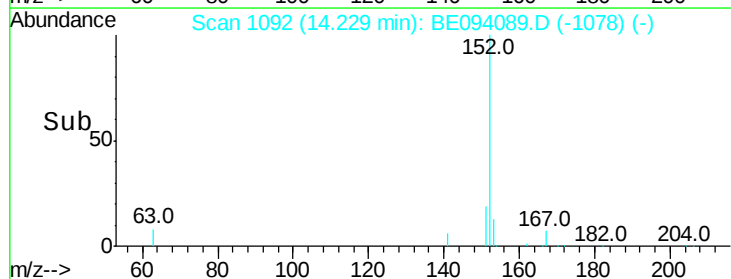
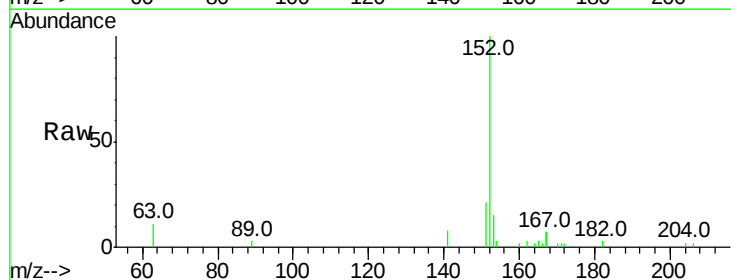
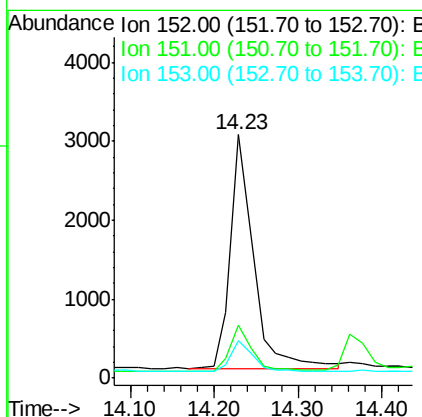
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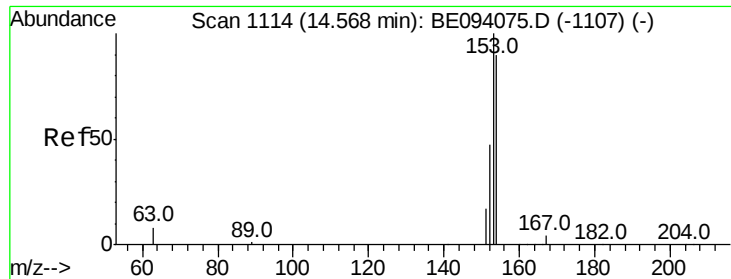
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#16
Acenaphthylene
Concen: 0.155 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.5	10.5	15.7





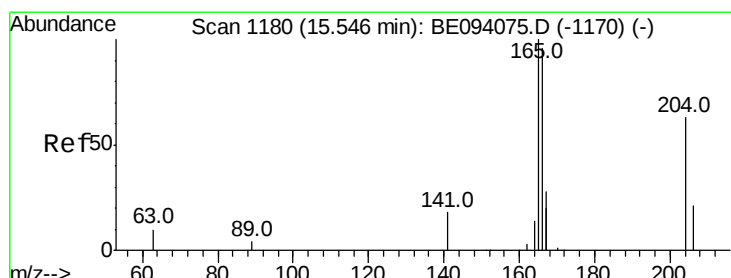
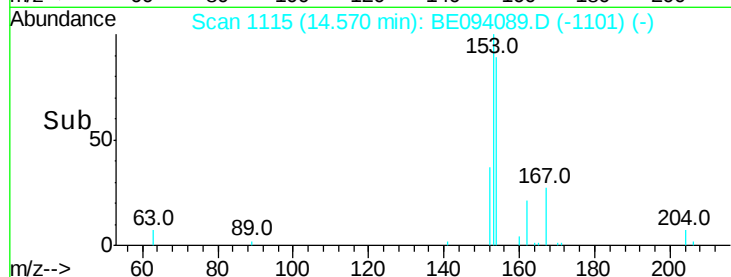
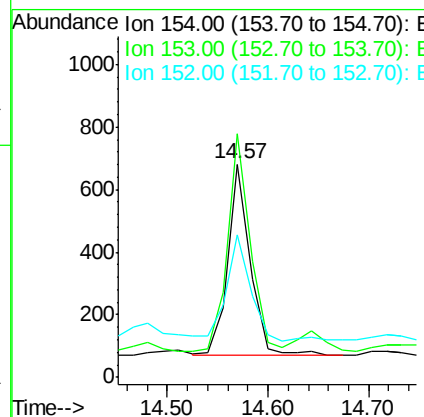
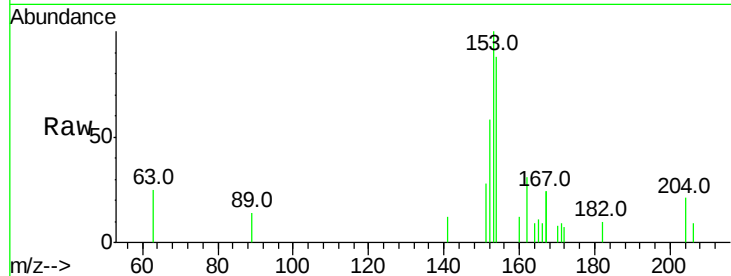
#17
Acenaphthene
Concen: 0.039 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.8	89.2	133.8
152	60.9	42.0	63.0

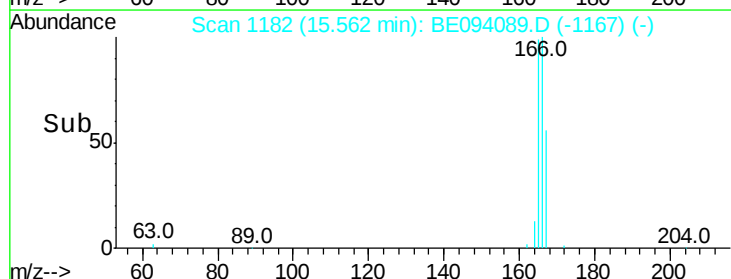
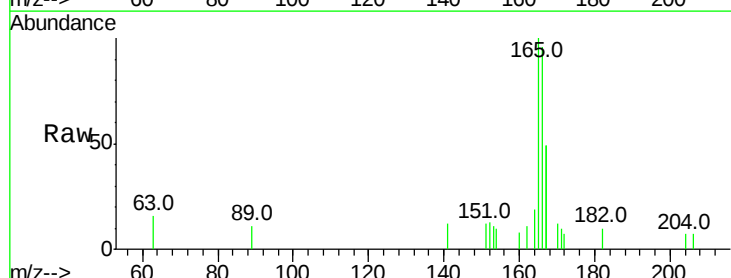
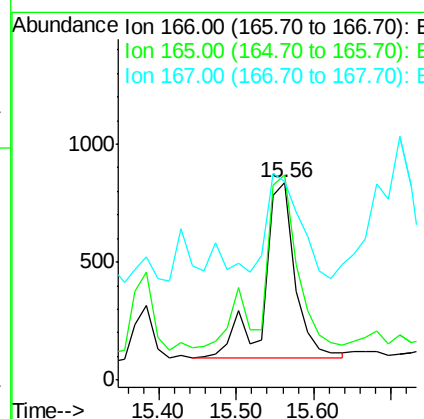
Manual Integrations
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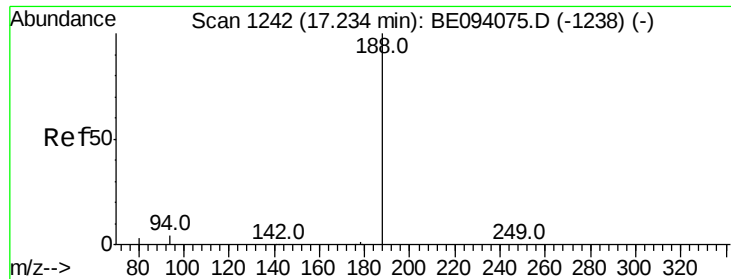
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#18
Fluorene
Concen: 0.057 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.6	77.8	116.6
167	64.6	42.4	63.6#





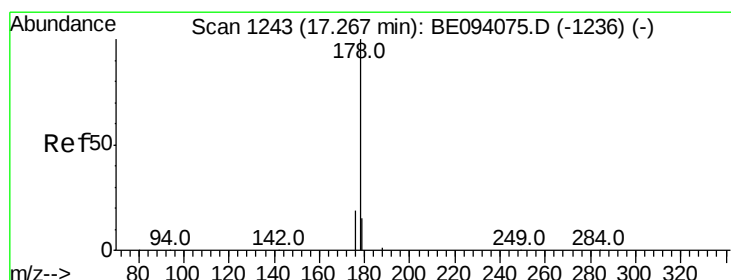
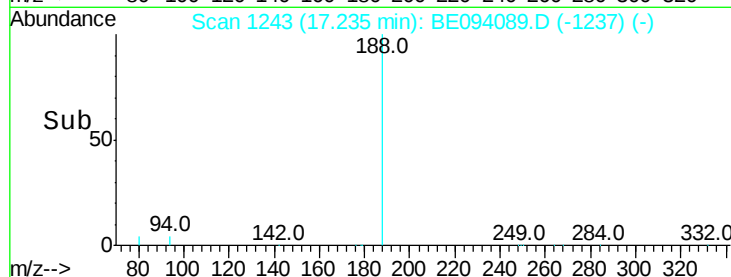
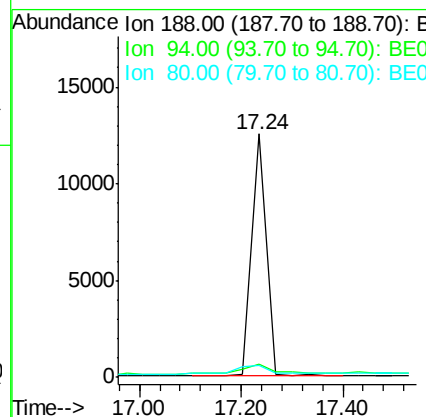
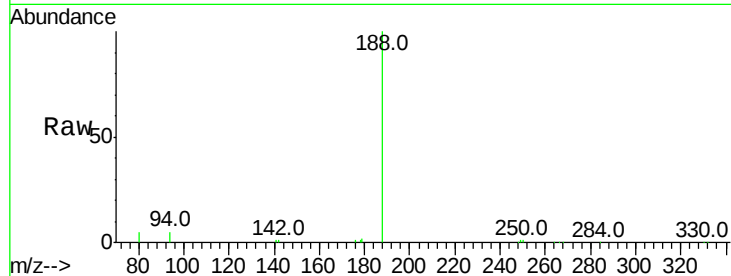
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Resp	Lower	Upper
188	100	25142		
94	5.5		3.9	5.9
80	5.0		3.6	5.4

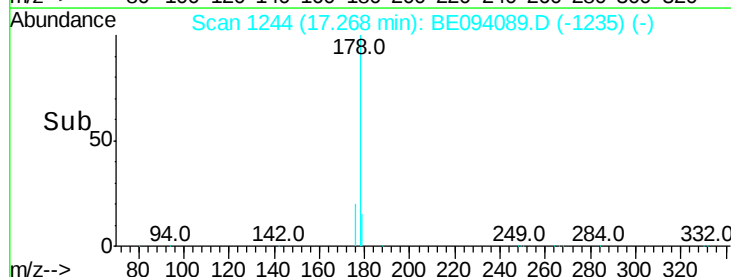
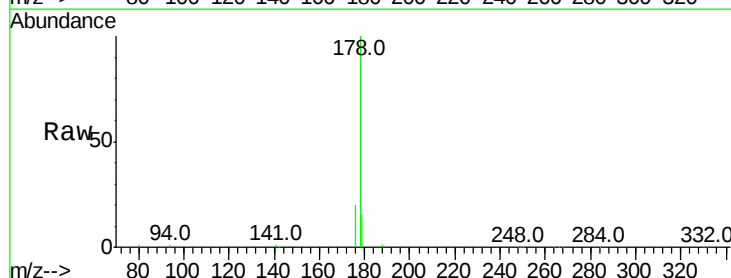
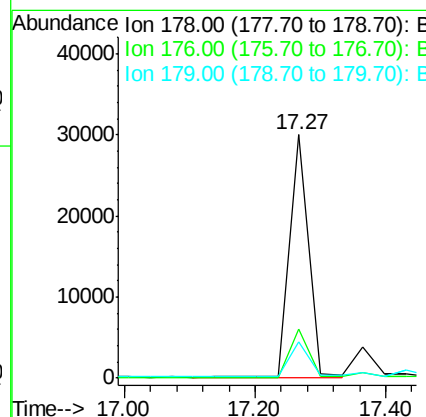
Manual Integrations
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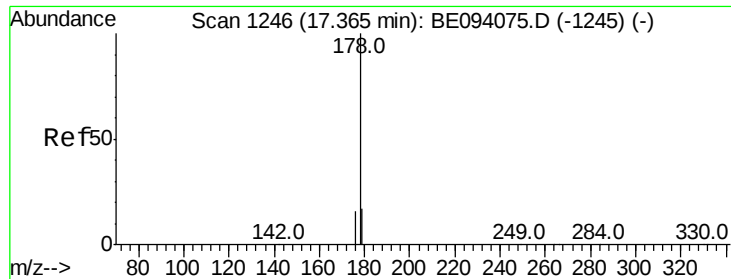
Sohil
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#23
Phenanthrene
Concen: 0.665 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	59845		
176	20.0		15.1	22.7
179	15.9		11.8	17.6





#24

Anthracene

Concen: 0.125 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Instrument :

BNA_E

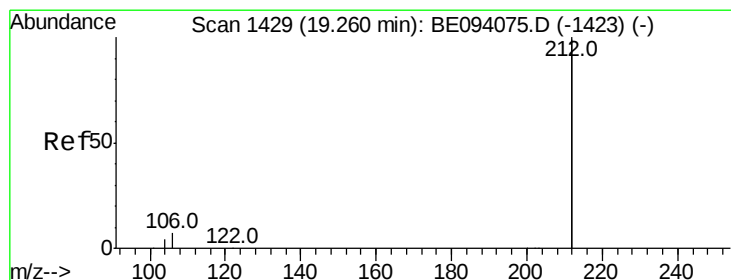
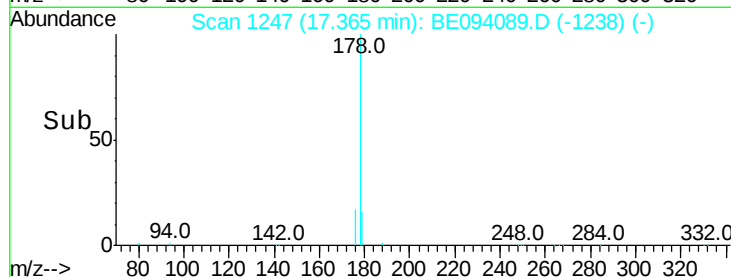
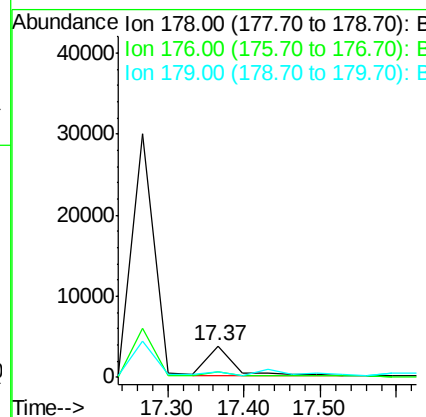
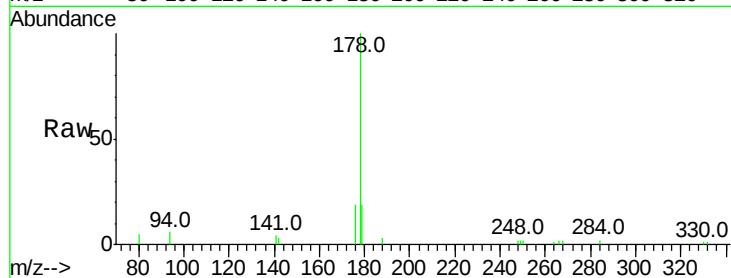
ClientSampleId :

LT-TS-006

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	12.8	19.2
179	11.8	13.0	19.6

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#25

Fluoranthene-d10

Concen: 0.269 ng

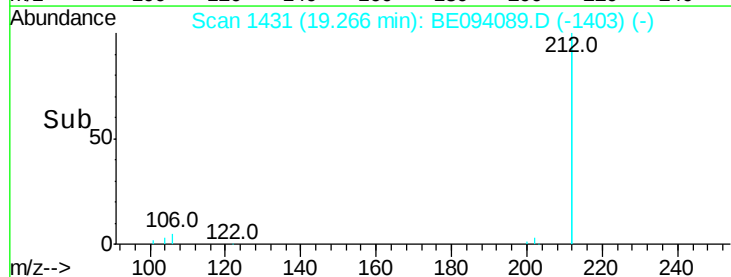
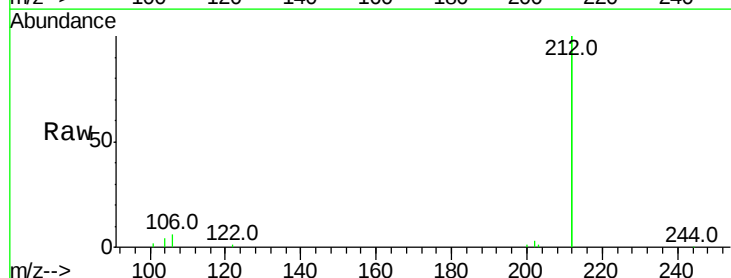
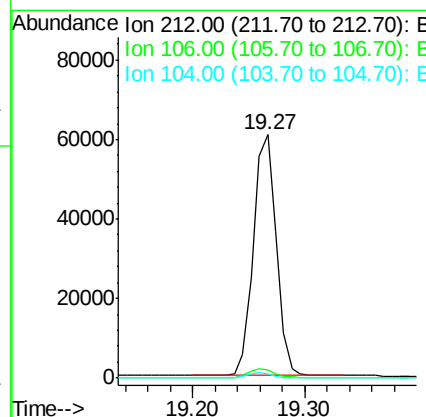
RT: 19.27 min Scan# 1431

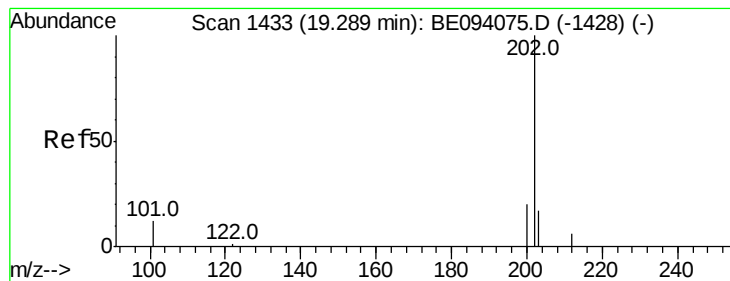
Delta R.T. 0.01 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.8	4.2
104	2.1	1.6	2.4





#26

Fluoranthene

Concen: 1.262 ng

RT: 19.30 min Scan# 1435

Delta R.T. 0.01 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Instrument :

BNA_E

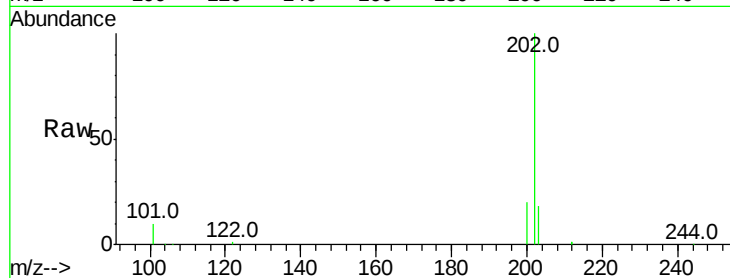
ClientSampleId :

LT-TS-006

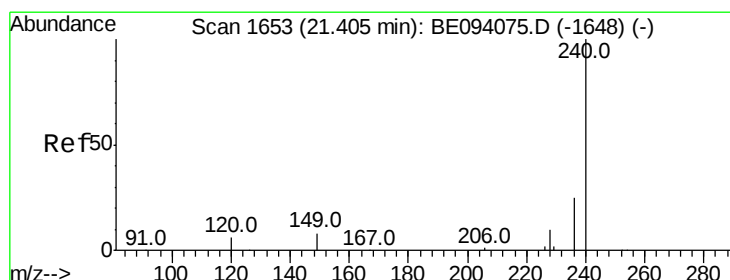
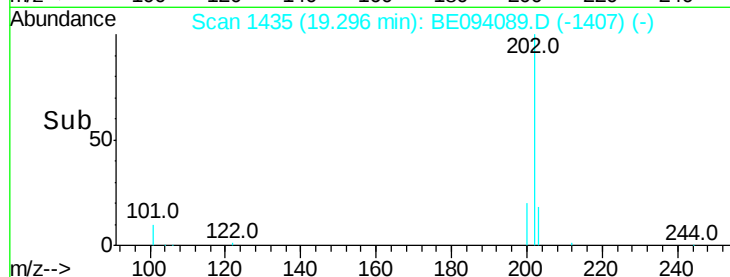
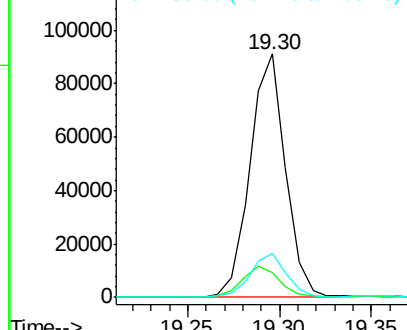
Tot Ion:	202	Resp:	121946
Ion Ratio	Lower	Upper	
202	100		
101	13.2	9.8	14.8
203	17.7	13.7	20.5

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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



#27

Chrysene-d12

Concen: 0.400 ng

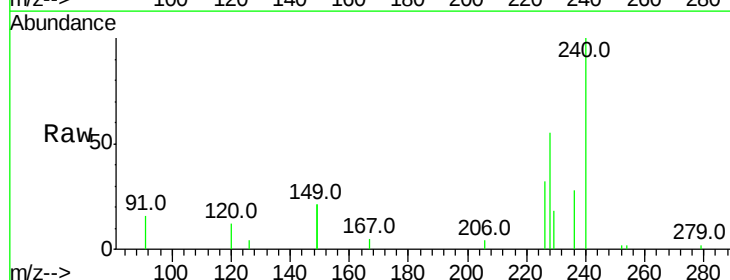
RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

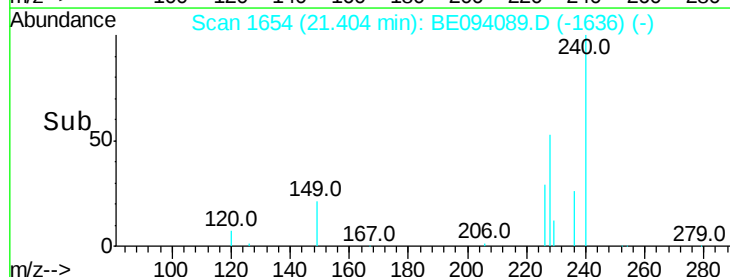
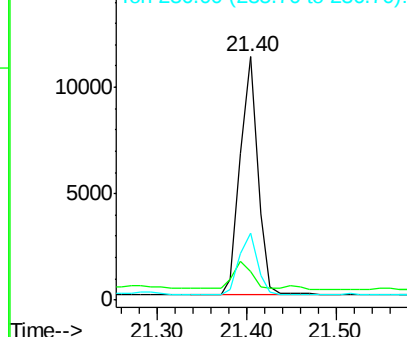
Lab File: BE094089.D

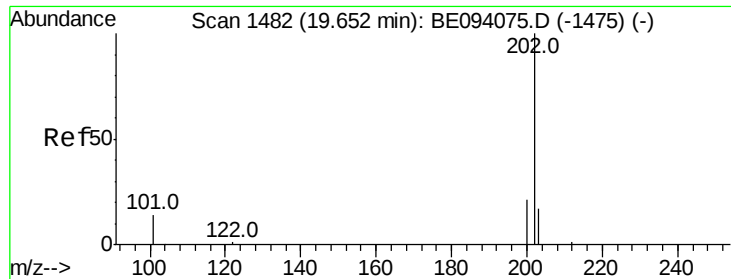
Acq: 23 Sep 2017 21:58

Tgt Ion:	240	Resp:	15525
Ion Ratio	Lower	Upper	
240	100		
120	11.5	5.5	8.3#
236	27.6	20.7	31.1



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





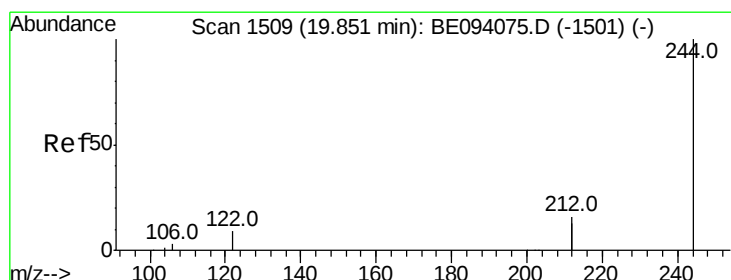
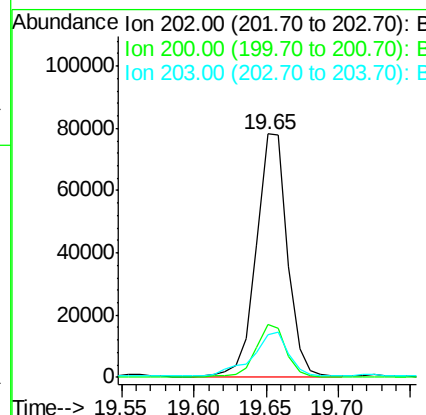
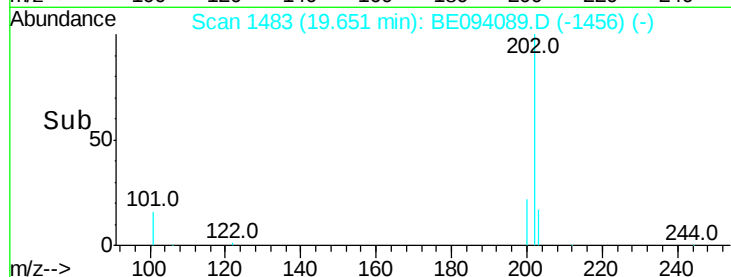
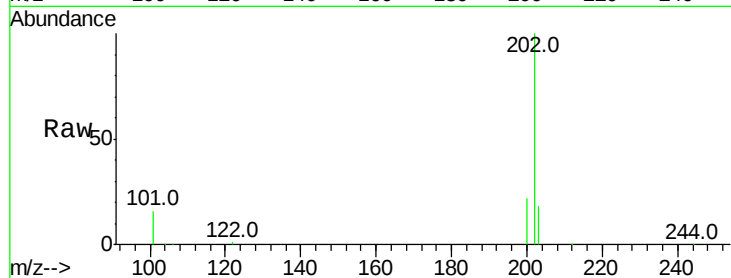
#28
Pvrene
Concen: 2.710 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.6	25.0
203	21.4	13.8	20.8

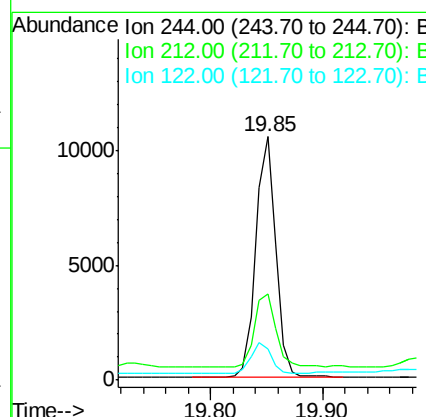
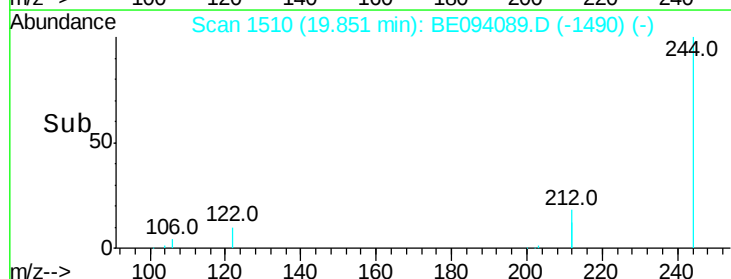
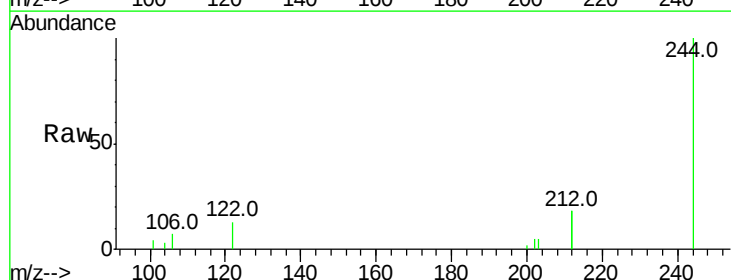
Manual Integrations
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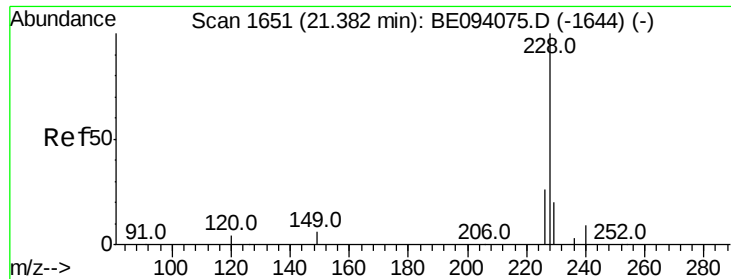
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#29
Terphenyl-d14
Concen: 0.538 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	35.6	25.4	38.0
122	13.0	8.1	12.1





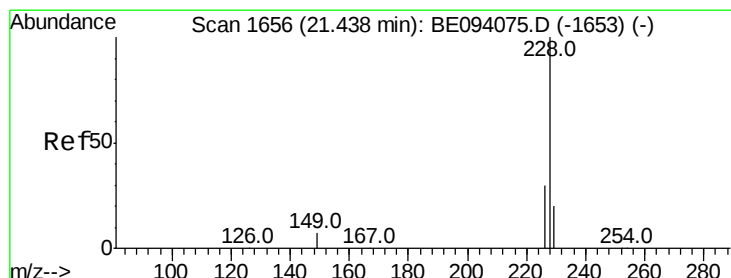
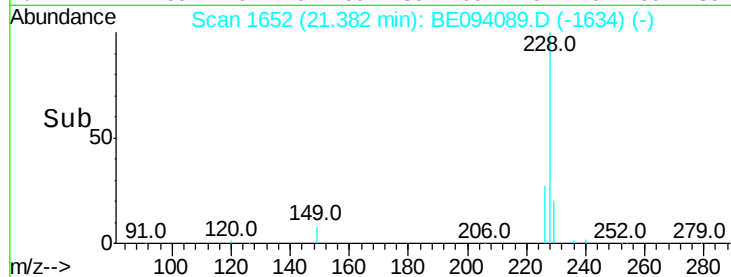
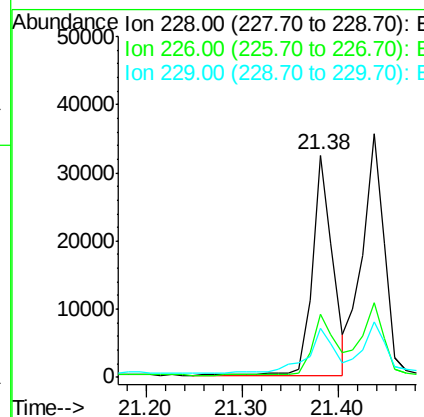
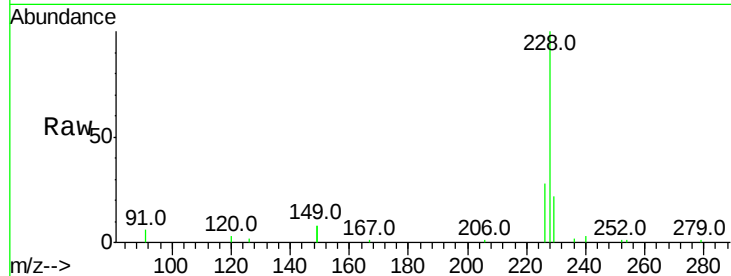
#30
Benzo(a)anthracene
Concen: 0.901 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampled :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.4	32.0
229	21.9	16.4	24.6

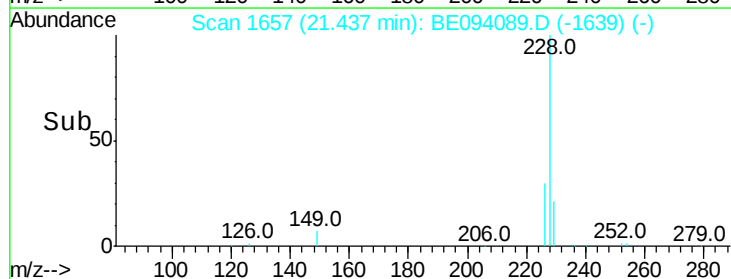
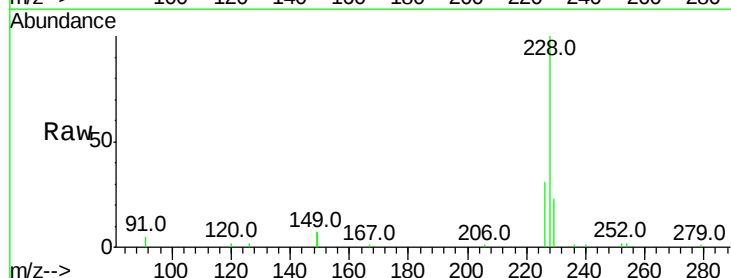
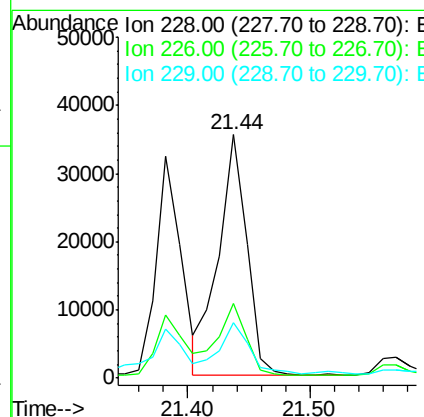
Manual Integrations
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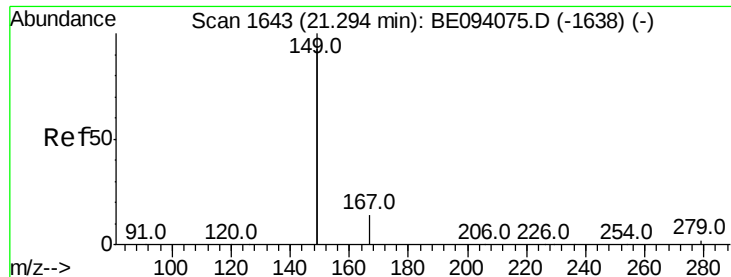
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#31
Chrysene
Concen: 1.104 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.6	35.4
229	22.6	16.4	24.6





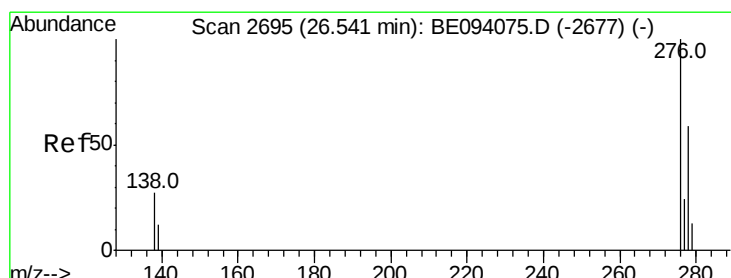
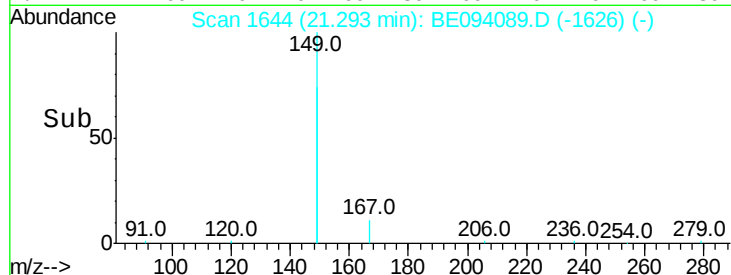
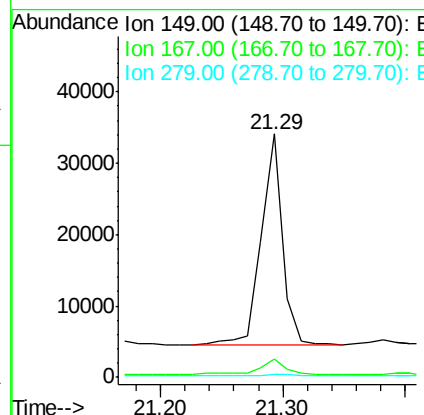
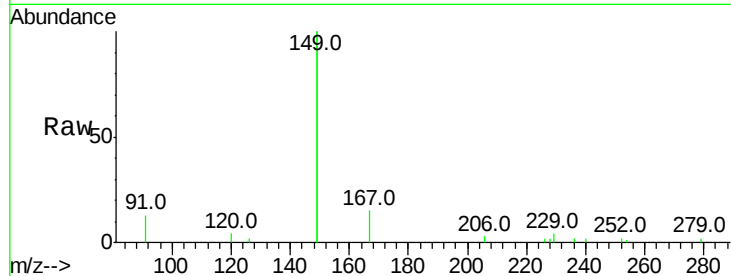
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.257 ng
 RT: 21.29 min Scan# 1644
 Delta R.T. -0.00 min
 Lab File: BE094089.D
 Acq: 23 Sep 2017 21:58

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-006

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	7.3		5.4	8.0
279	1.0		0.7	1.1

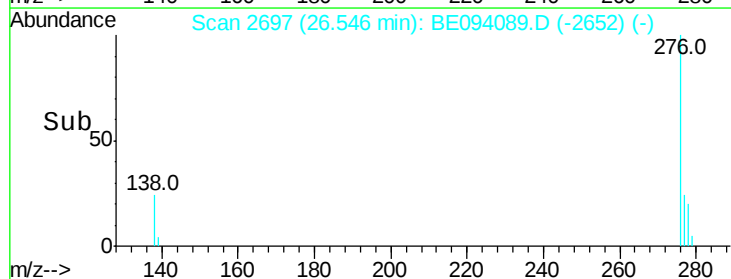
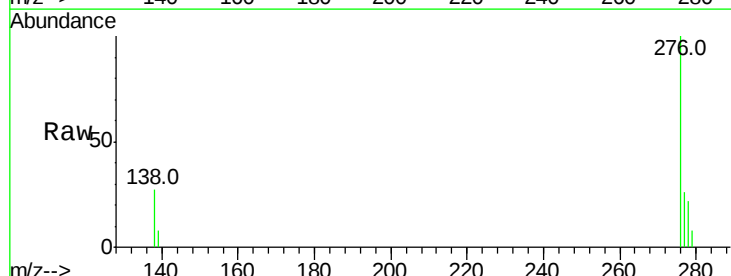
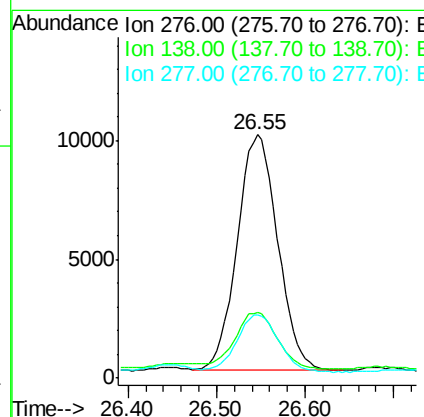
Manual Integrations
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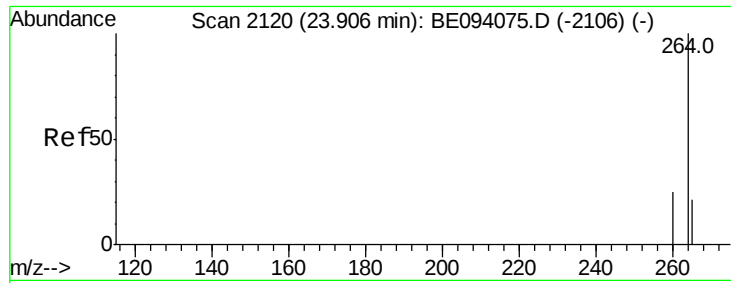
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.805 ng
 RT: 26.55 min Scan# 2697
 Delta R.T. 0.01 min
 Lab File: BE094089.D
 Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
138	25.0		22.5	33.7
277	24.8		19.9	29.9





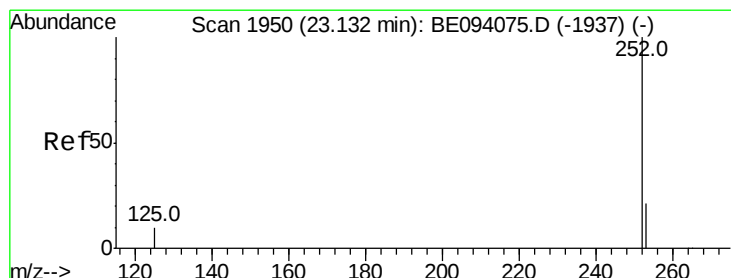
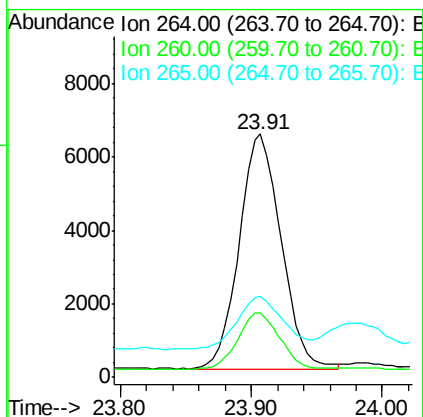
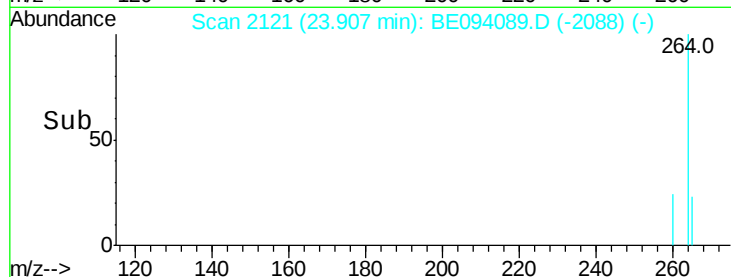
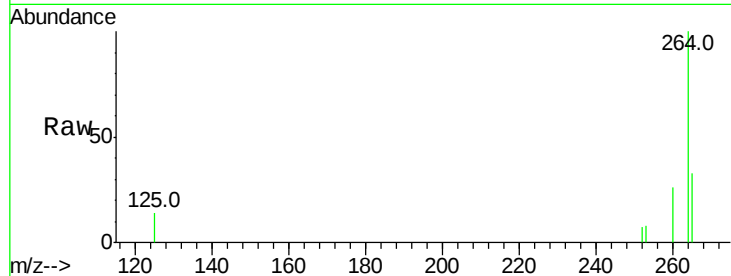
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.5	30.7
265	33.3	22.8	34.2

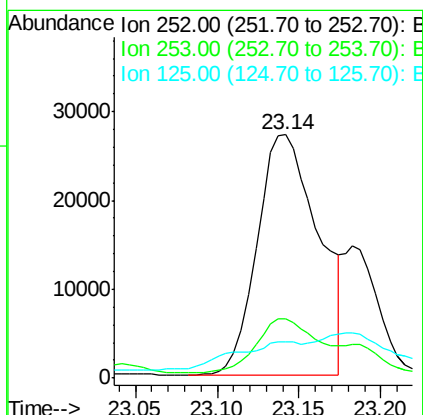
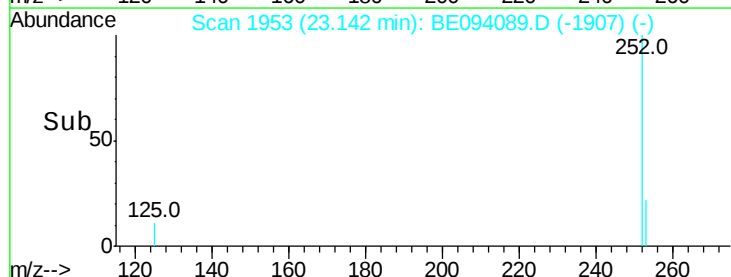
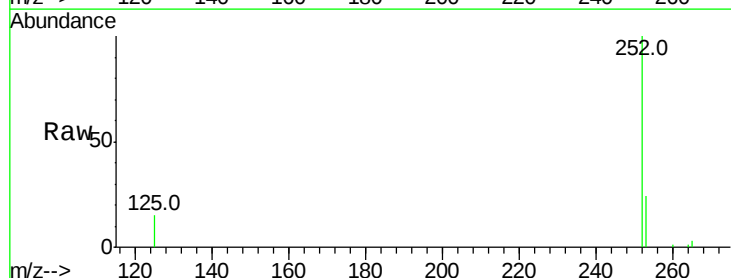
Manual Integrations
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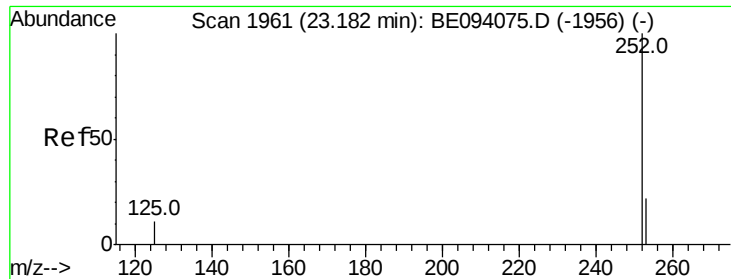
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#35
Benzo(b)fluoranthene
Concen: 1.363 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	14.9	10.1	15.1





#36

Benzo(k)fluoranthene

Concen: 0.417 ng

RT: 23.18 min Scan# 1962

Delta R.T. 0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Instrument :

BNA_E

ClientSampleId :

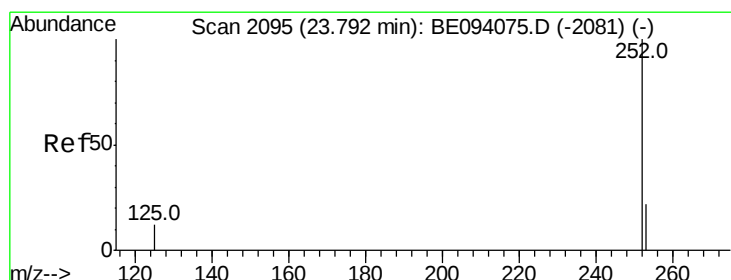
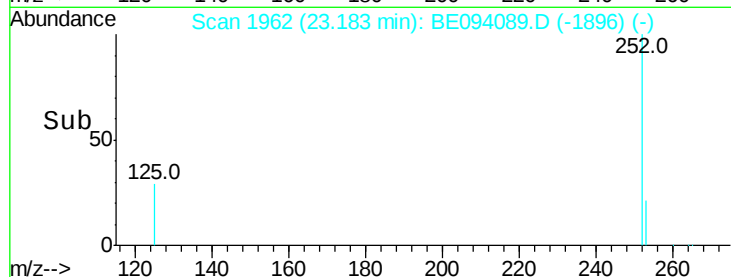
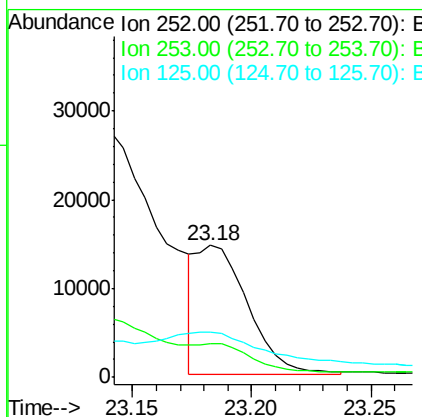
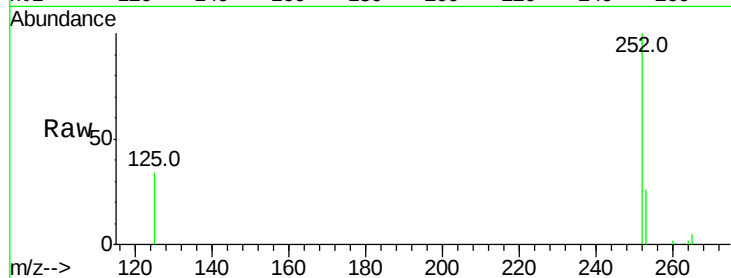
LT-TS-006

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.6	27.8
125	34.3	10.7	16.1

Manual Integrations
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#37

Benzo(a)pyrene

Concen: 1.000 ng

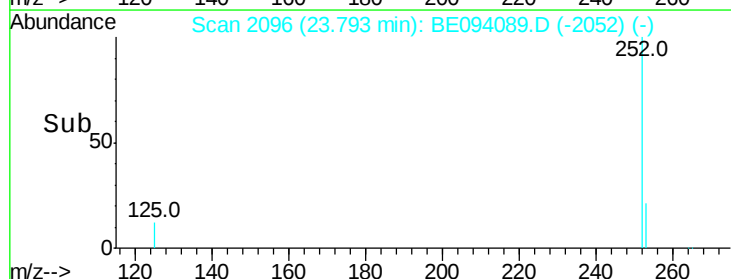
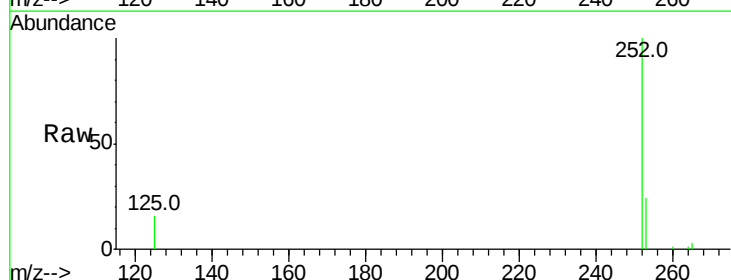
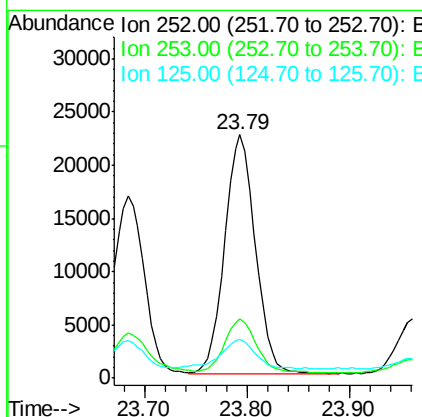
RT: 23.79 min Scan# 2096

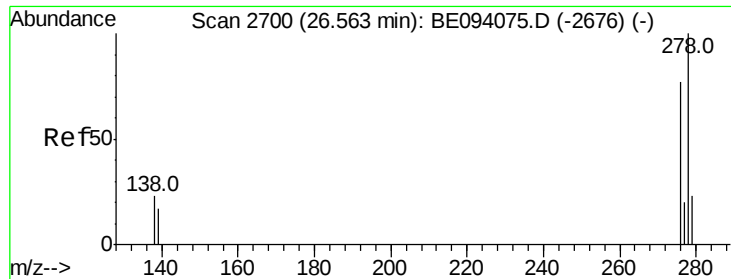
Delta R.T. 0.00 min

Lab File: BE094089.D

Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.6
125	15.8	11.8	17.8





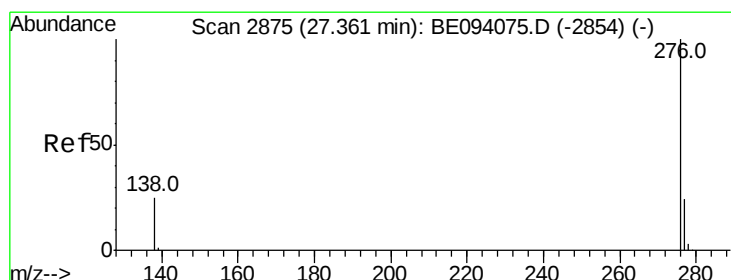
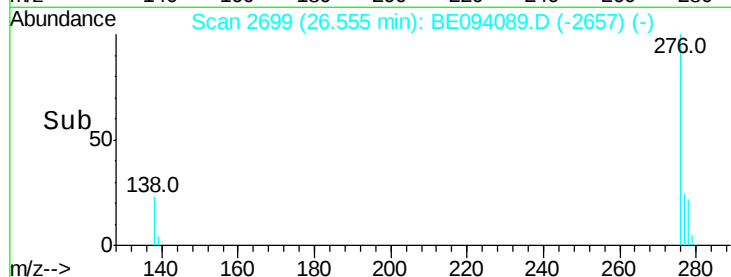
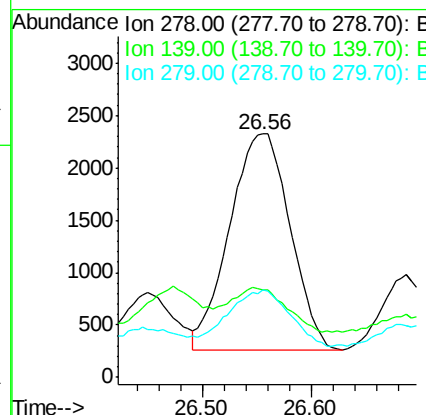
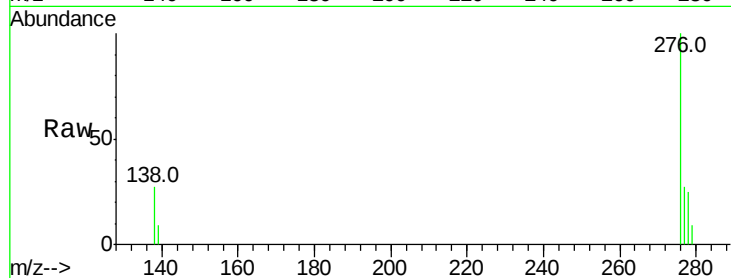
#38
Dibenzo(a,h)anthracene
Concen: 0.214 ng
RT: 26.56 min Scan# 2699
Delta R.T. -0.01 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Instrument :
BNA_E
ClientSampleId :
LT-TS-006

Tot Ion	Ratio	Lower	Upper
278	100		
139	36.0	16.3	24.5#
279	35.7	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:24:43 PM



#39
Benzo(g,h,i)perylene
Concen: 0.881 ng
RT: 27.37 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BE094089.D
Acq: 23 Sep 2017 21:58

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.8	31.2
138	27.5	21.5	32.3

