

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094085.D
 Acq On : 23 Sep 2017 19:29
 Operator : SJ/JU
 Sample : I5340-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-002

Manual Integrations
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Quant Time: Sep 25 13:17:23 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	7.90	152	1130	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	7334	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	5806	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	16632	0.40	ng	0.00
27) Chrysene-d12	21.40	240	18510	0.40	ng	0.00
34) Perylene-d12	23.90	264	14213	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	1608	0.19	ng	0.00
5) Phenol-d6	7.09	99	2693	0.40	ng	0.00
8) Nitrobenzene-d5	9.04	82	2375	0.36	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	4464	0.36	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1318	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	6159	0.32	ng	0.00
25) Fluoranthene-d10	19.26	212	68056	0.32	ng	0.00
29) Terphenyl-d14	19.84	244	10141	0.35	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.74	128	5227	0.056	ng	# 95
12) 2-Methylnaphthalene	12.34	142	707	0.048	ng	# 89
16) Acenaphthylene	14.23	152	8710	0.298	ng	100
17) Acenaphthene	14.57	154	1144	0.059	ng	# 90
18) Fluorene	15.55	166	2745	0.095	ng	89
22) Pentachlorophenol	16.91	266	215	0.463	ng	# 84
23) Phenanthrene	17.27	178	81467	1.368	ng	98
24) Anthracene	17.37	178	8063m	0.176	ng	
26) Fluoranthene	19.29	202	180296	2.821	ng	99
28) Pvrene	19.65	202	179388	3.503	ng	# 96
30) Benzo(a)anthracene	21.38	228	83016	1.339	ng	98
31) Chrysene	21.44	228	93985	1.547	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	44424	0.267	ng	100
33) Indeno(1,2,3-cd)pyrene	26.54	276	42688	0.909	ng	96
35) Benzo(b)fluoranthene	23.13	252	101231	1.968	ng	98
36) Benzo(k)fluoranthene	23.18	252	30504m	0.591	ng	
37) Benzo(a)pvrene	23.79	252	65170	1.411	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	10607	0.287	ng	# 84
39) Benzo(g,h,i)perylene	27.36	276	43608	1.180	ng	99

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

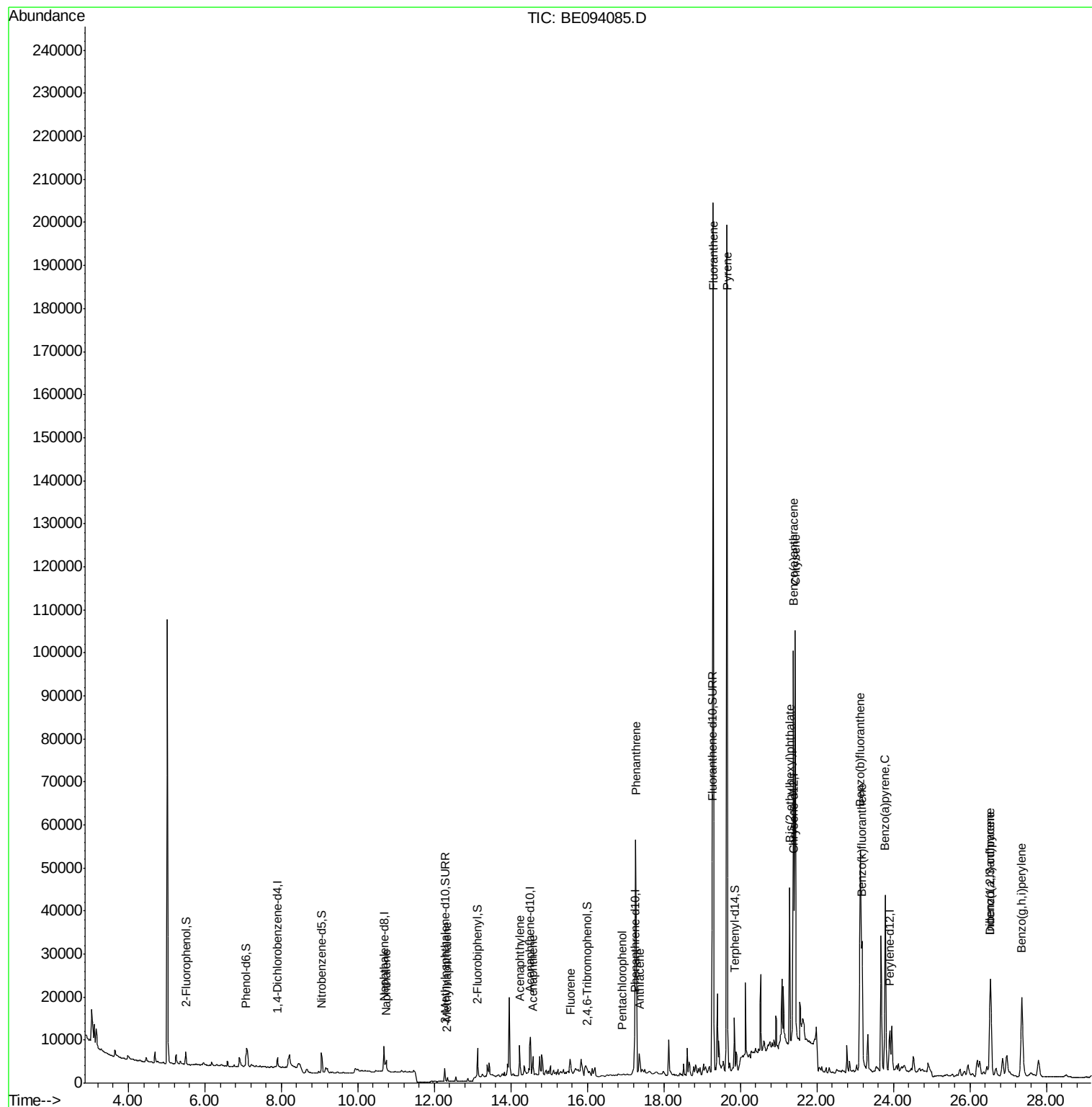
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094085.D
Acq On : 23 Sep 2017 19:29
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ALS Vial : 12 Sample Multiplier: 1

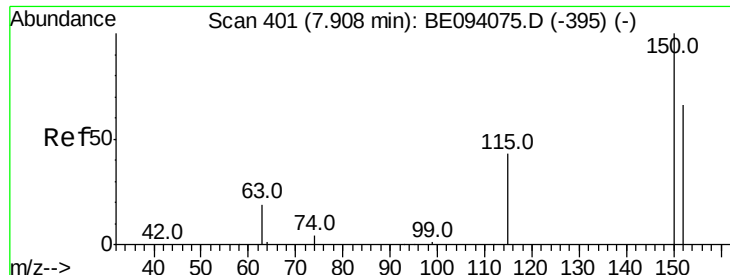
Instrument :
BNA_E
ClientSampleId :
LT-TS-002

Quant Time: Sep 25 13:17:23 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
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 401

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

ClientSampled :

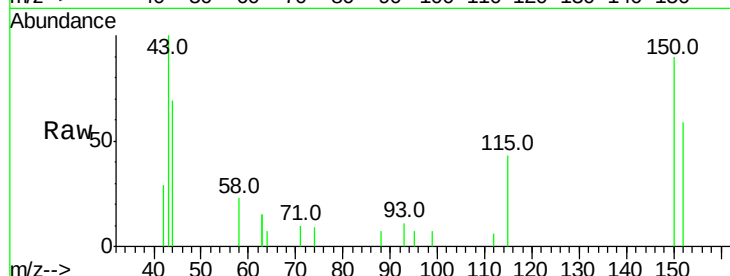
LT-TS-002

Tot Ion:	152	Resp:	1130
Ion	Ratio	Lower	Upper
152	100		
150	151.4	117.2	175.8
115	71.6	57.0	85.6

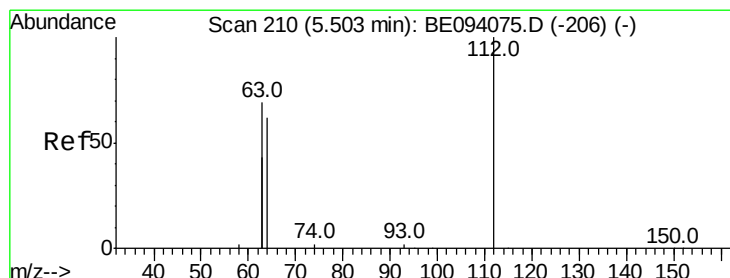
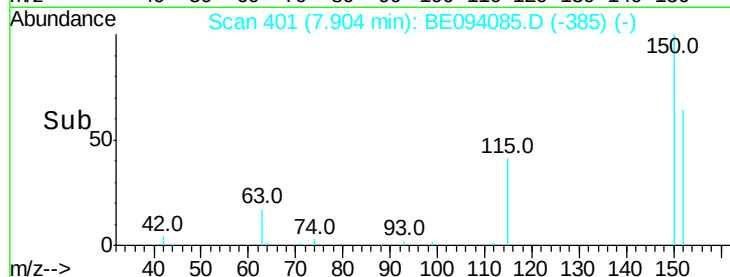
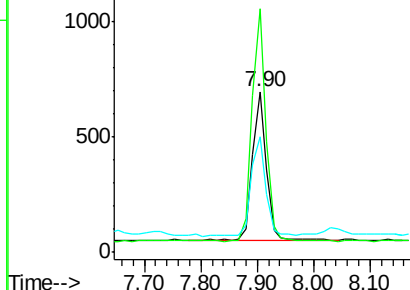
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.191 ng

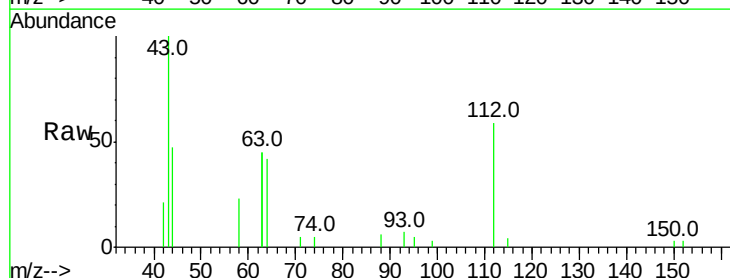
RT: 5.50 min Scan# 210

Delta R.T. -0.00 min

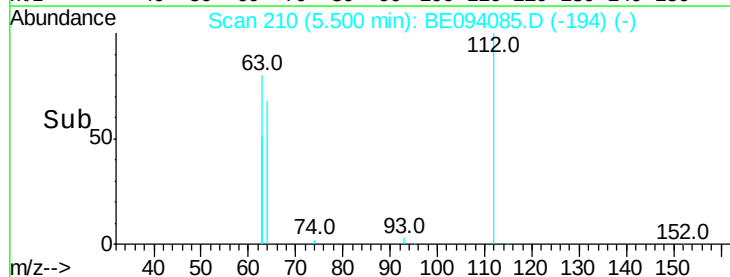
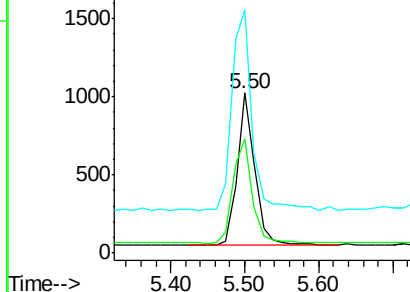
Lab File: BE094085.D

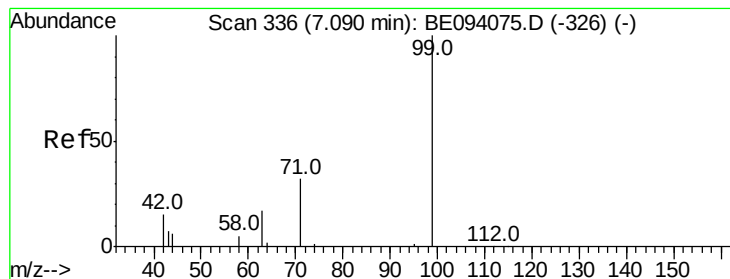
Acq: 23 Sep 2017 19:29

Tgt Ion:	112	Resp:	1608
Ion	Ratio	Lower	Upper
112	100		
64	76.1	60.1	90.1
63	150.5	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: 0.403 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

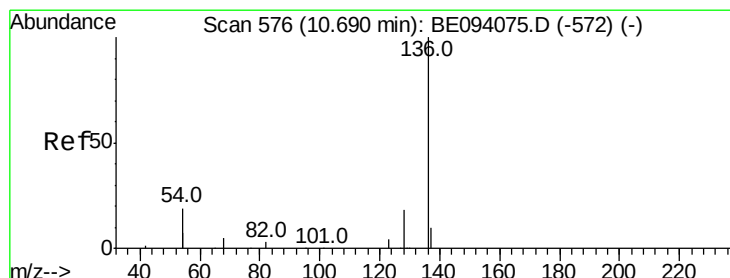
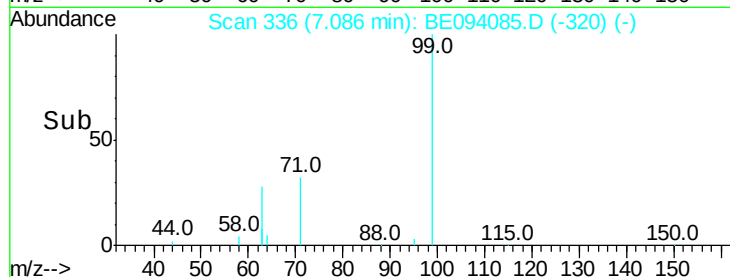
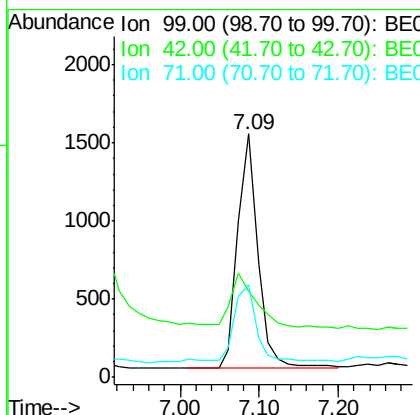
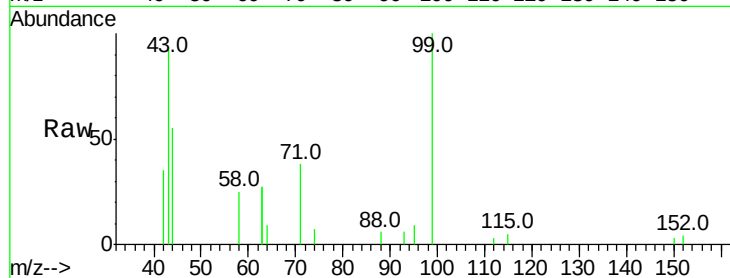
ClientSampled :

LT-TS-002

Tot Ion:	99	Resp:	2693
Ion	Ratio	Lower	Upper
99	100		
42	30.6	20.2	30.2#
71	35.2	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

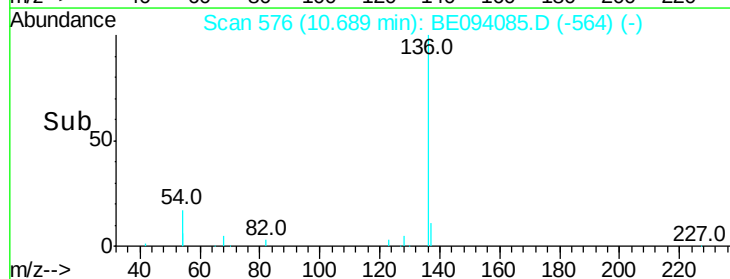
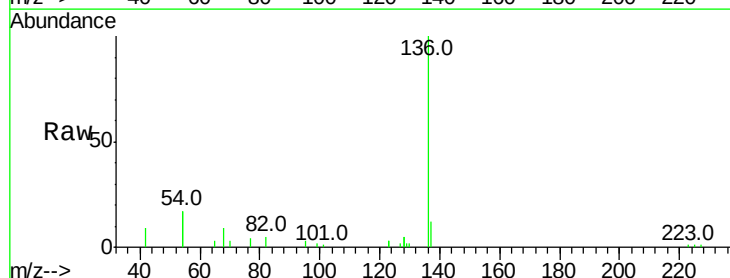
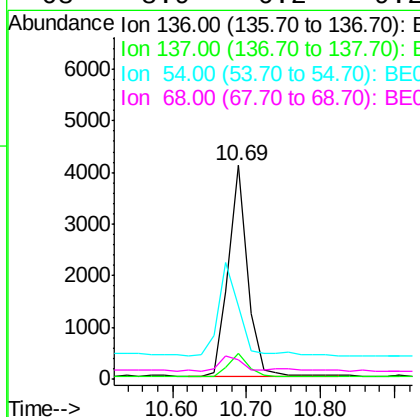
RT: 10.69 min Scan# 576

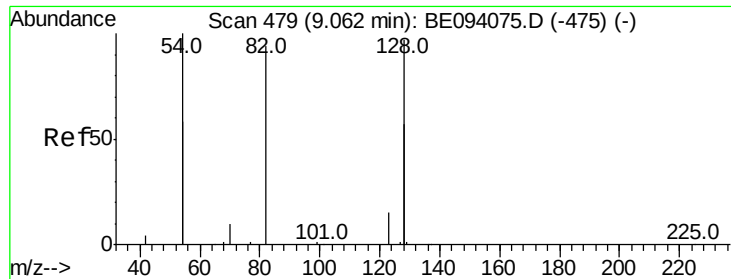
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion:	136	Resp:	7334
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	34.2	29.1	43.7
68	8.9	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.364 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

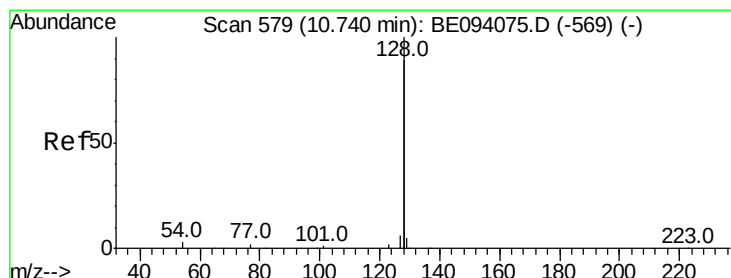
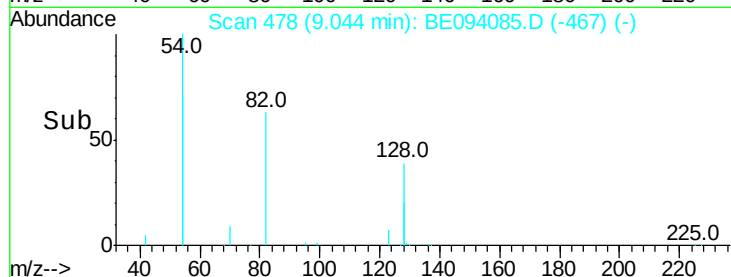
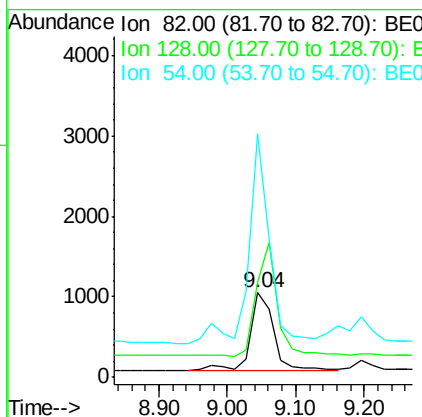
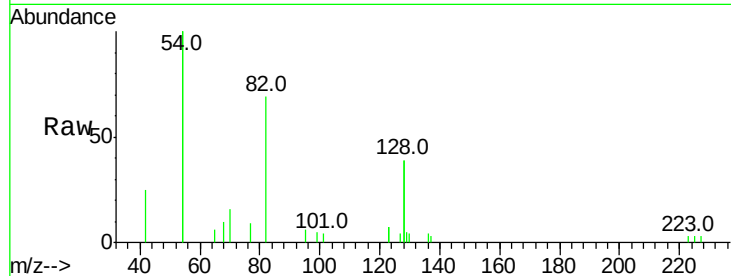
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Tot Ion:	82	Resp:	2375
Ion Ratio	Lower	Upper	
82	100		
128	112.5	150.0	225.0#
54	287.8	154.2	231.4#

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#9

Naphthalene

Concen: 0.056 ng

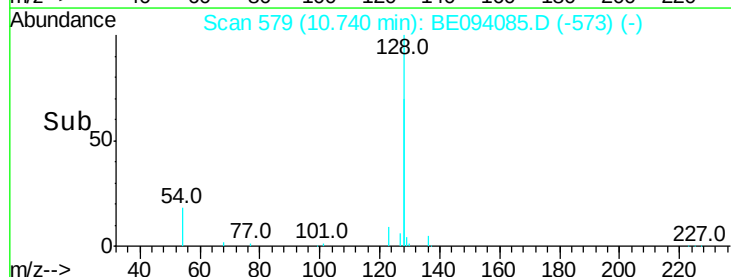
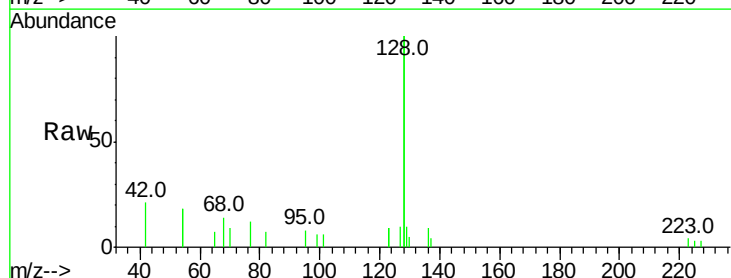
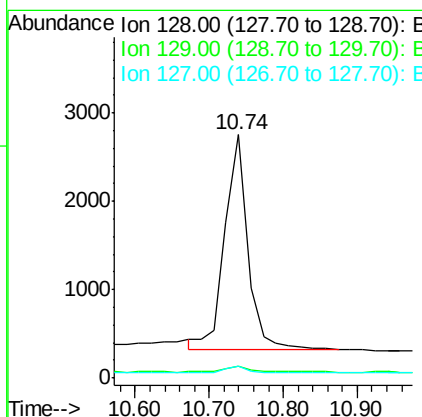
RT: 10.74 min Scan# 579

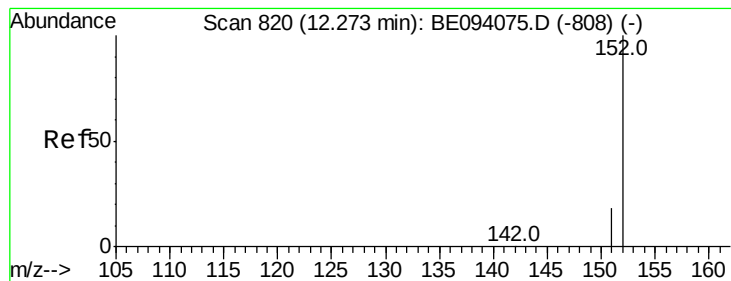
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion:	128	Resp:	5227
Ion Ratio	Lower	Upper	
128	100		
129	4.8	2.6	3.8#
127	5.0	2.8	4.2#





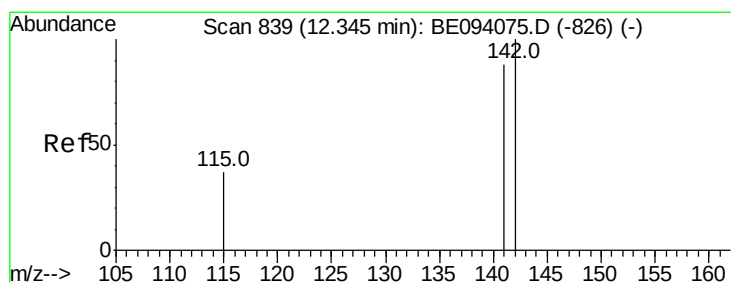
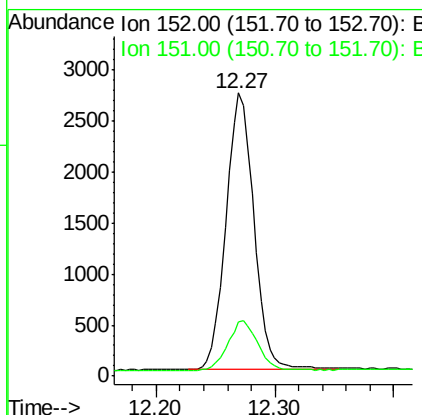
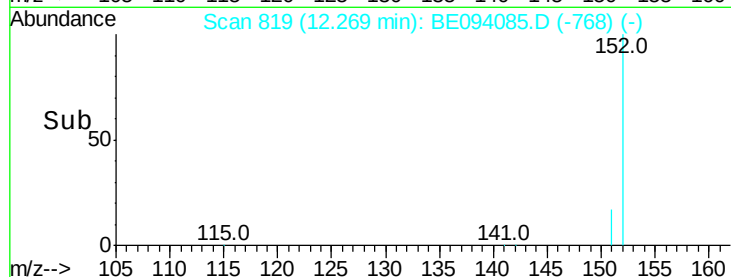
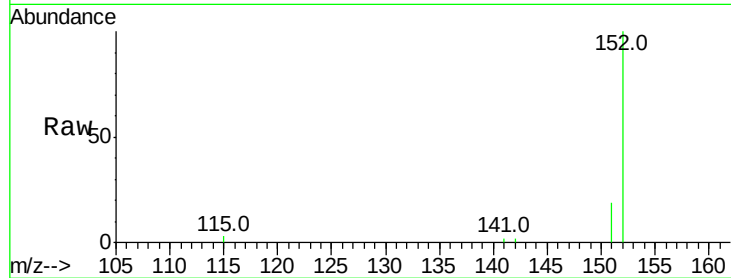
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.27 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
LT-TS-002

Tot Ion:152 Resp: 4464
Ion Ratio Lower Upper
152 100
151 19.0 15.4 23.0

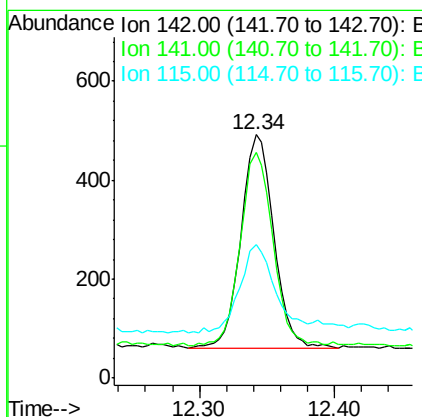
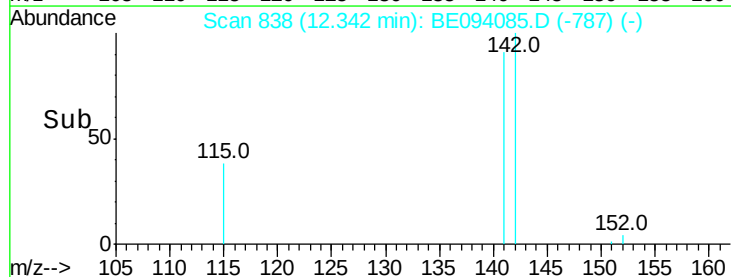
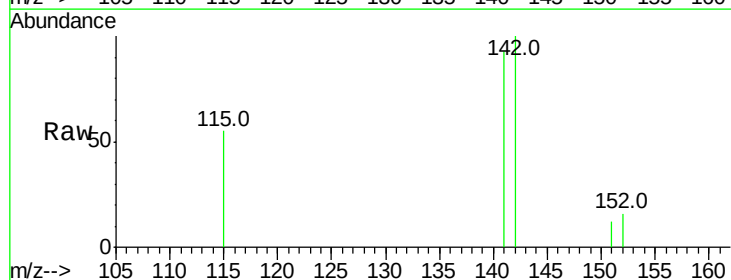
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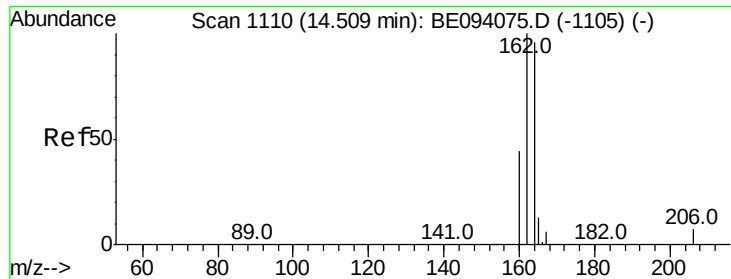
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#12
2-Methylnaphthalene
Concen: 0.048 ng
RT: 12.34 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion:142 Resp: 707
Ion Ratio Lower Upper
142 100
141 92.7 70.4 105.6
115 55.1 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: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

LT-TS-002

Tot Ion:164 Resp: 5806

Ion Ratio Lower Upper

164 100

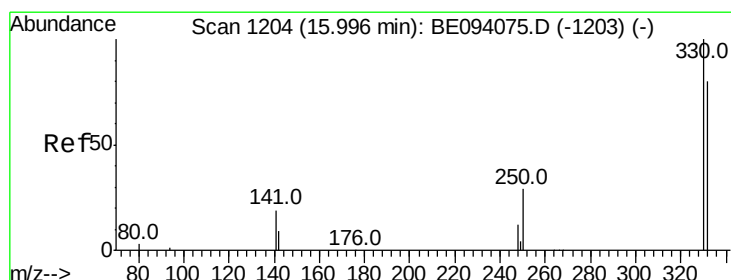
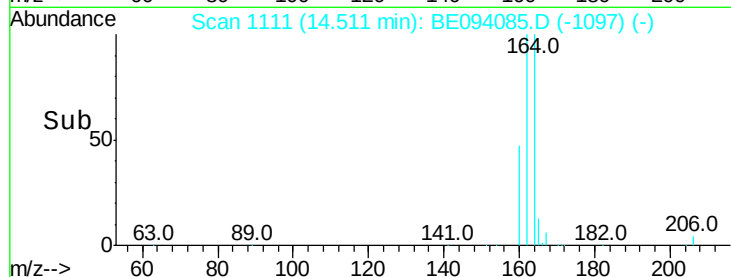
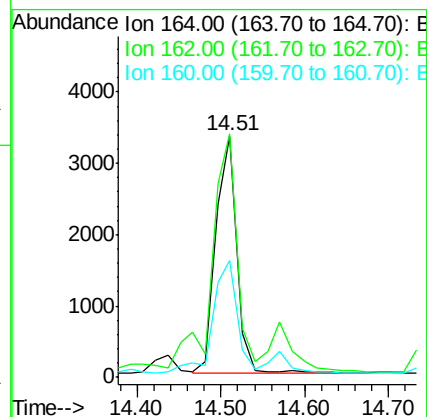
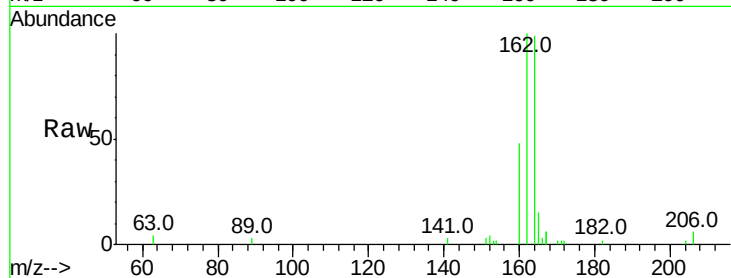
162 100.7 83.1 124.7

160 48.5 37.1 55.7

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#14

2,4,6-Tribromophenol

Concen: 0.299 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

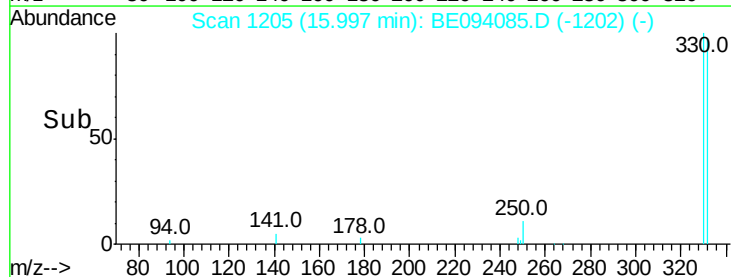
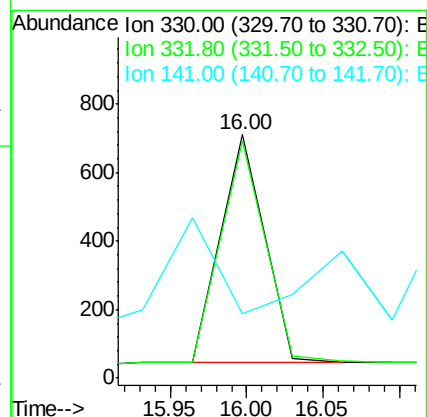
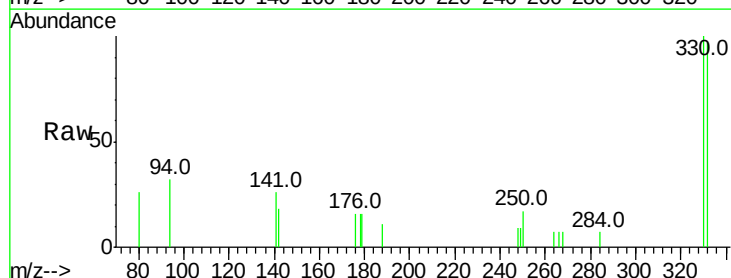
Tgt Ion:330 Resp: 1318

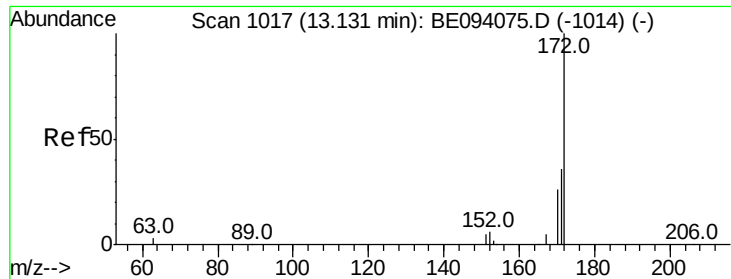
Ion Ratio Lower Upper

330 100

332 99.1 152.7 229.1#

141 0.0 33.7 50.5#





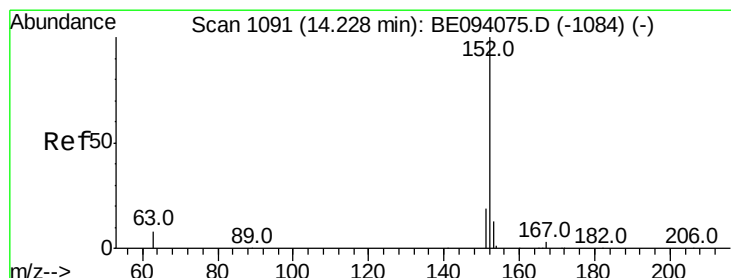
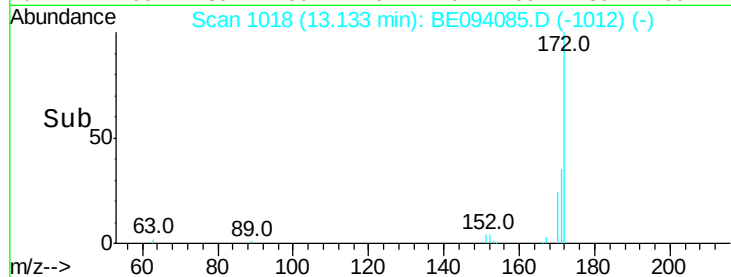
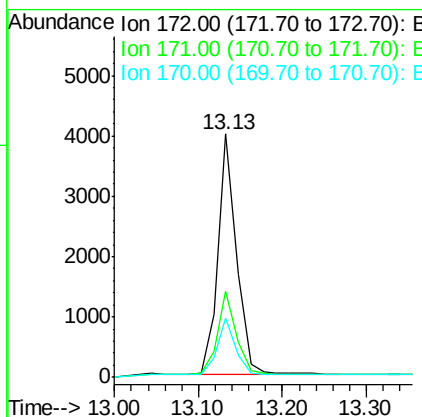
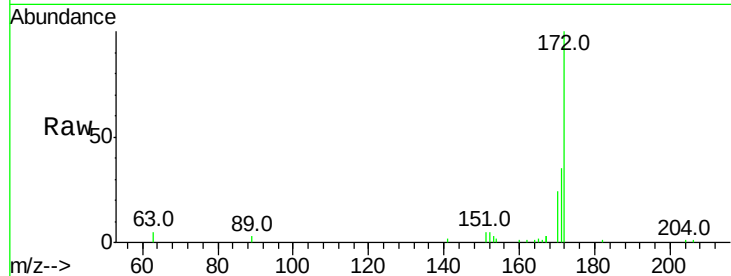
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampled :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.9	44.9
170	24.4	21.8	32.8

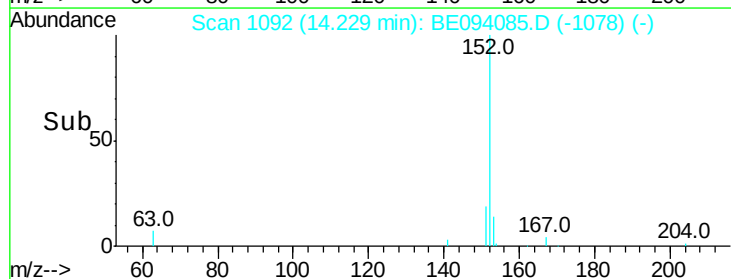
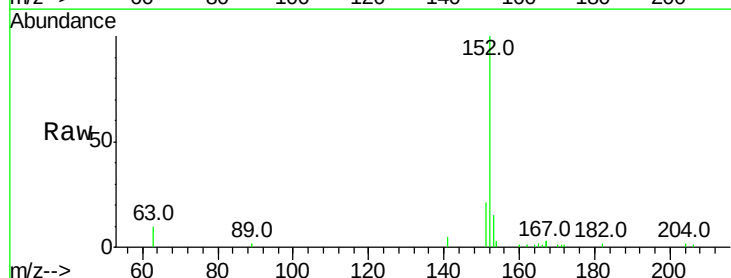
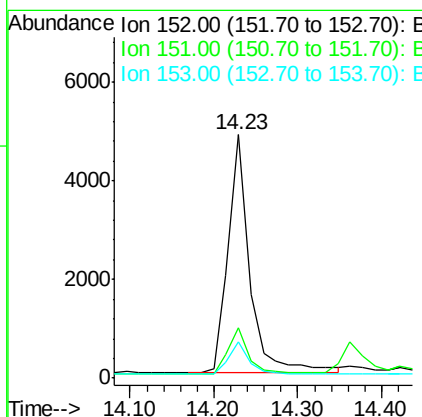
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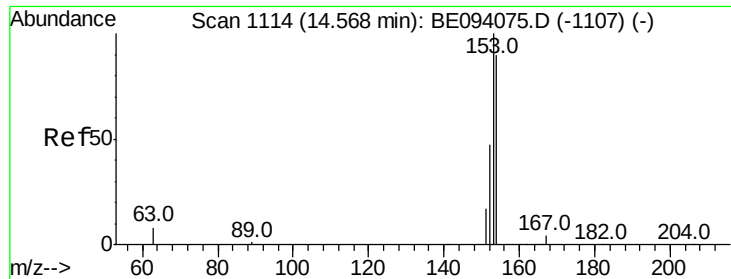
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#16
Acenaphthylene
Concen: 0.298 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.7	23.5
153	13.2	10.5	15.7





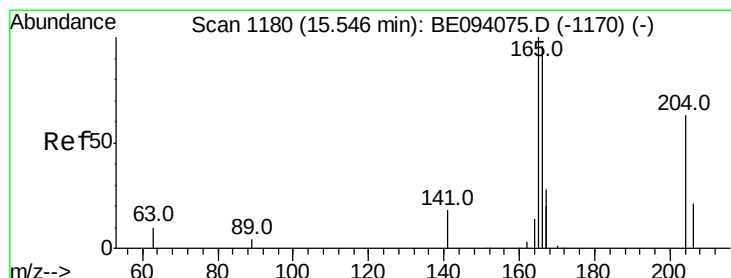
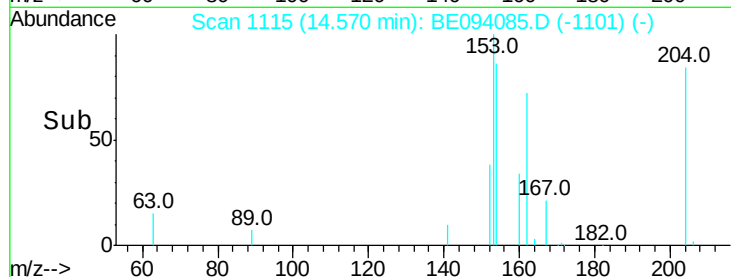
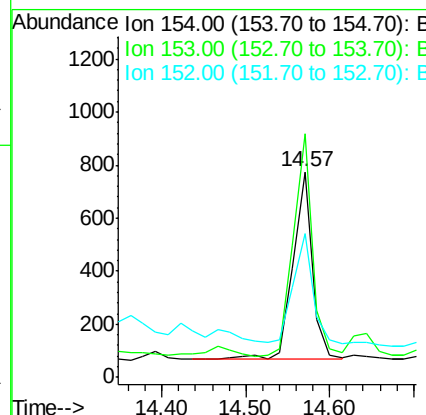
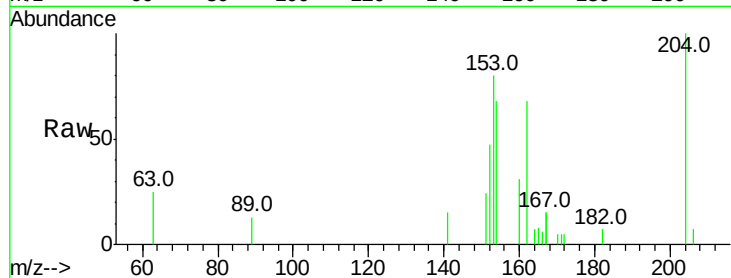
#17
Acenaphthene
Concen: 0.059 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
LT-TS-002

Tot Ion:154 Resp: 1144
Ion Ratio Lower Upper
154 100
153 117.3 89.2 133.8
152 66.9 42.0 63.0#

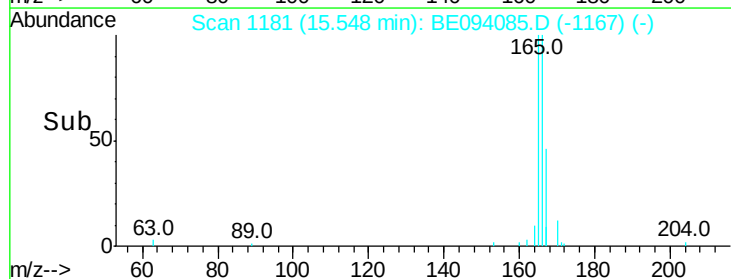
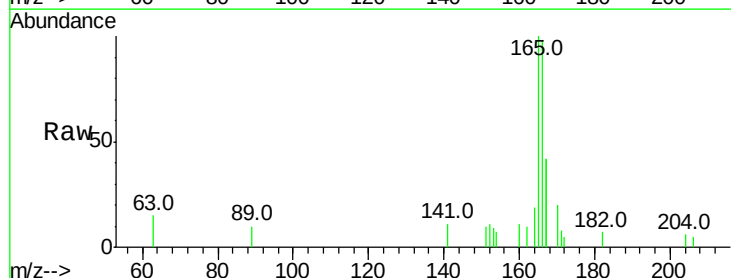
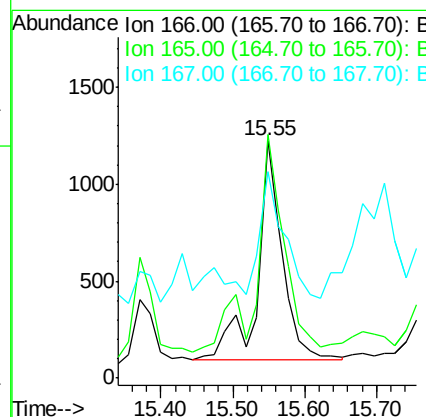
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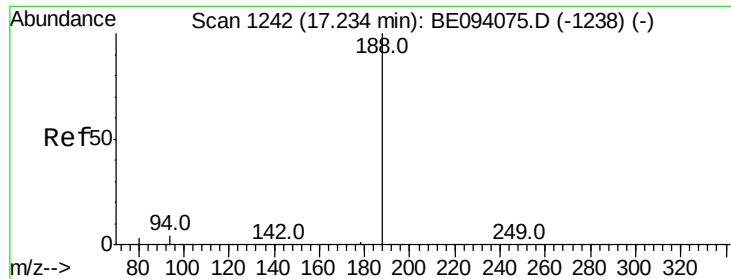
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#18
Fluorene
Concen: 0.095 ng
RT: 15.55 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion:166 Resp: 2745
Ion Ratio Lower Upper
166 100
165 112.6 77.8 116.6
167 54.9 42.4 63.6





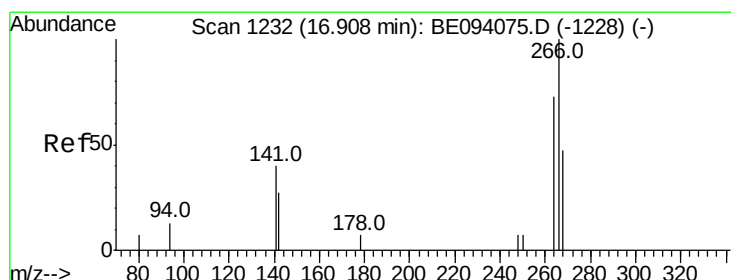
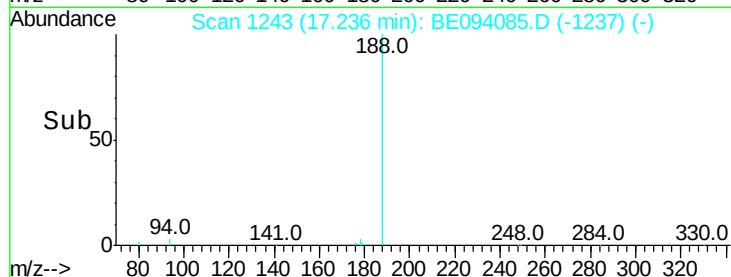
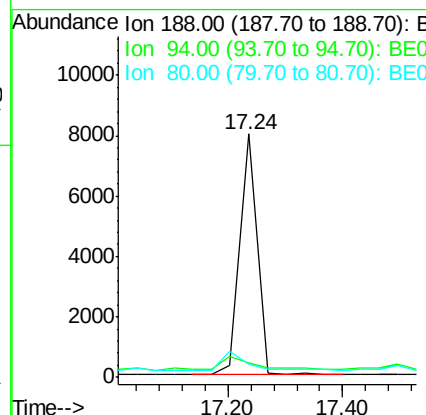
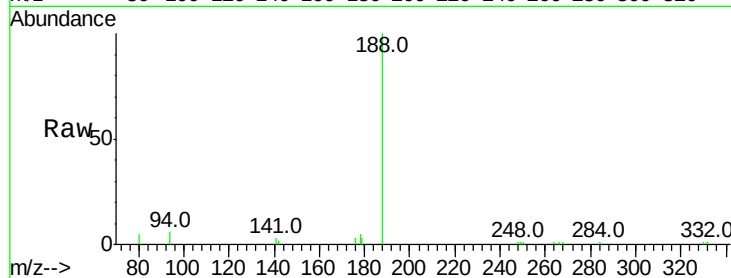
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampled :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.2	3.9	5.9#
80	5.2	3.6	5.4

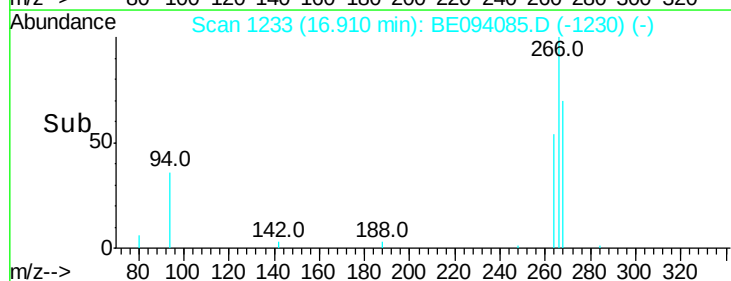
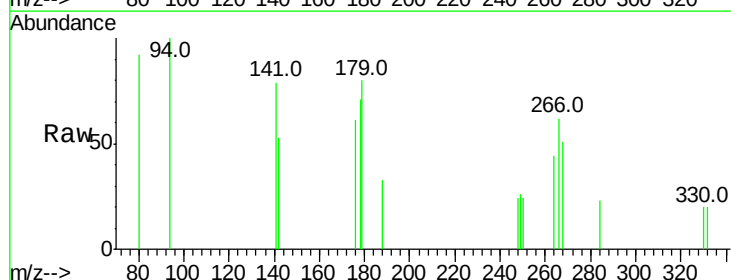
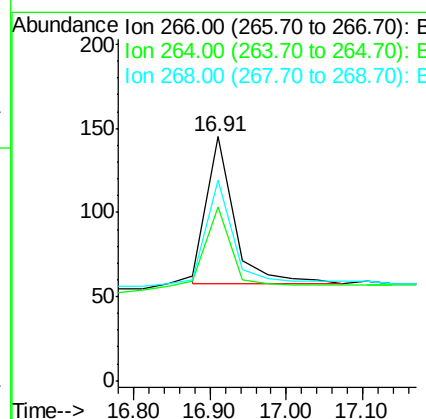
Manual Integrations
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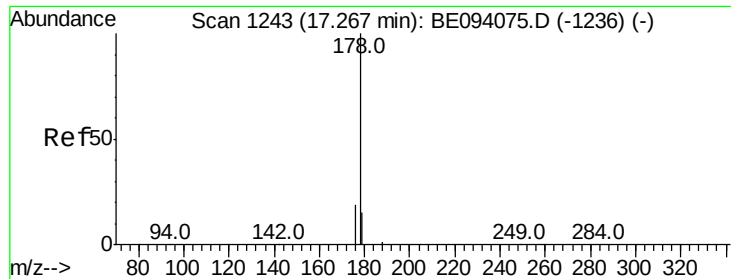
Sohil
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#22
Pentachlorophenol
Concen: 0.463 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
266	100		
264	71.0	72.5	108.7#
268	82.1	73.8	110.6





#23

Phenanthrene

Concen: 1.368 ng

RT: 17.27 min Scan# 1244

Delta R.T. 0.00 min

Lab File: BE094085.D

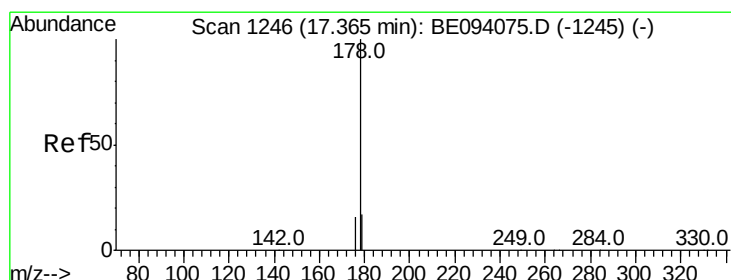
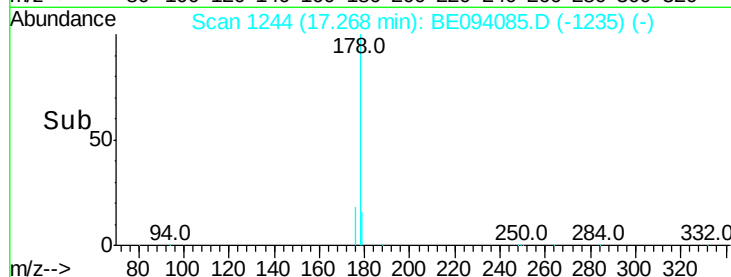
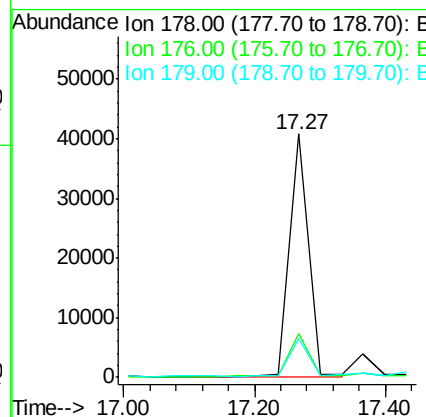
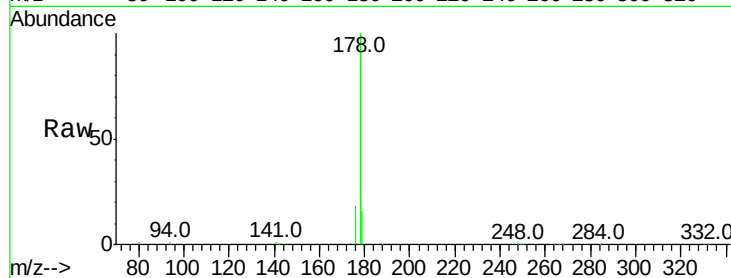
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampled :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	16.8	11.8	17.6

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#24

Anthracene

Concen: 0.176 ng m

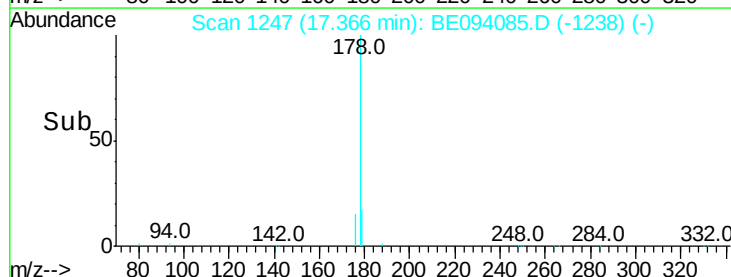
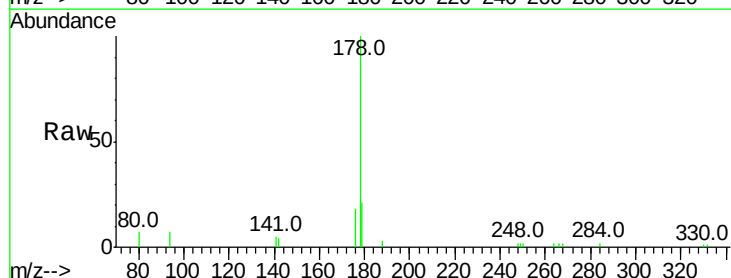
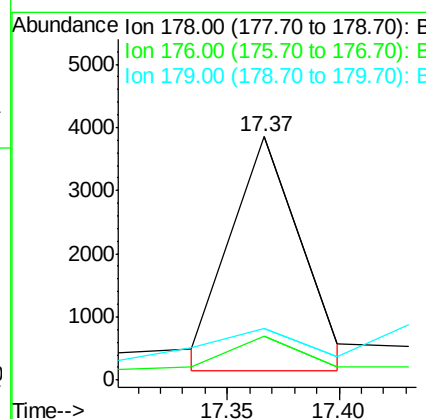
RT: 17.37 min Scan# 1247

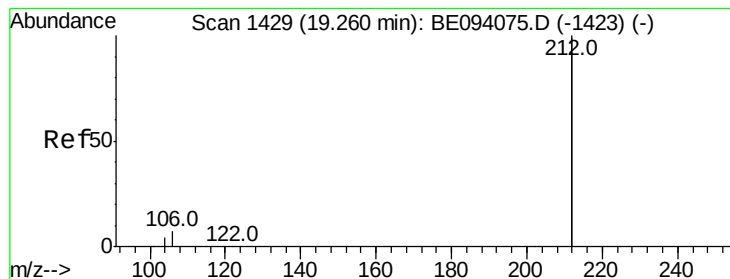
Delta R.T. 0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	188.3	12.8	19.2#
179	169.5	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.319 ng

RT: 19.26 min Scan# 1430

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

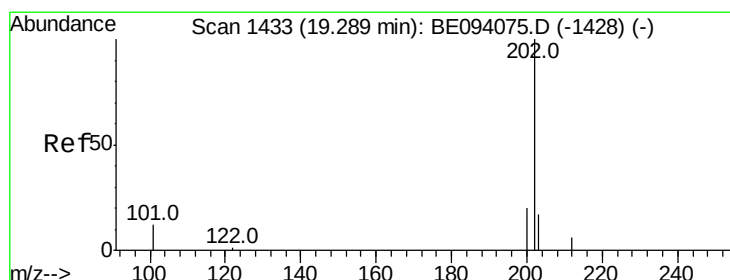
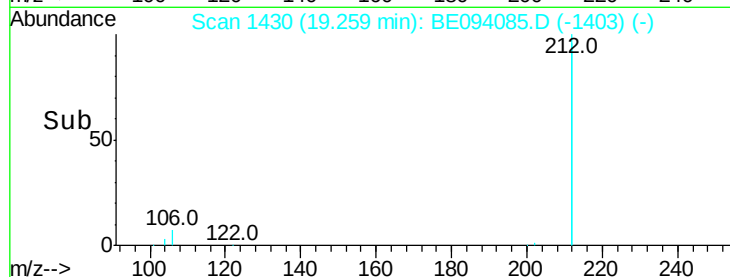
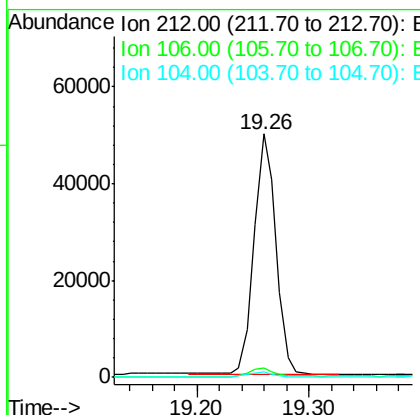
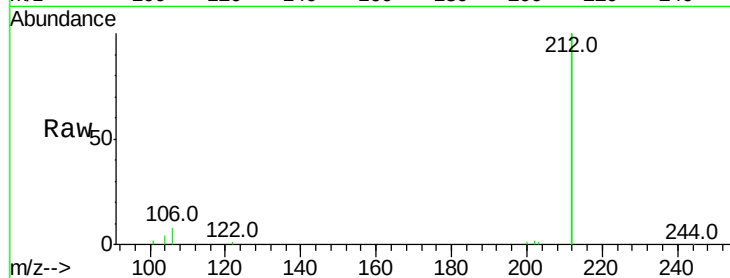
ClientSampleId :

LT-TS-002

Tot Ion:	212	Resp:	68056
Ion Ratio	Lower	Upper	
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4

Manual Integrations
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#26

Fluoranthene

Concen: 2.821 ng

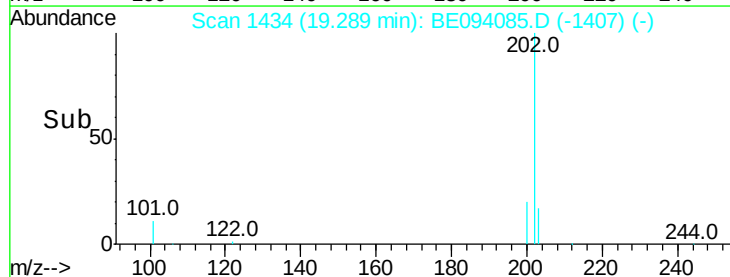
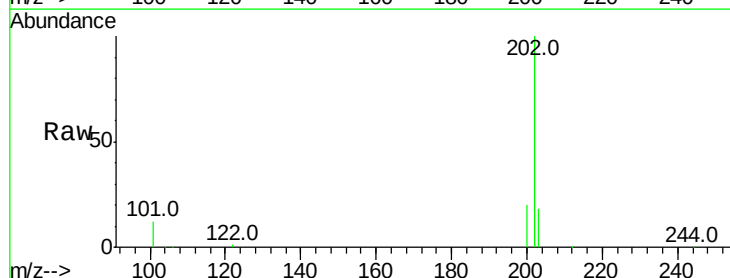
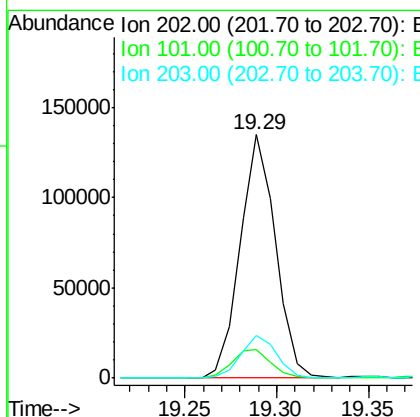
RT: 19.29 min Scan# 1434

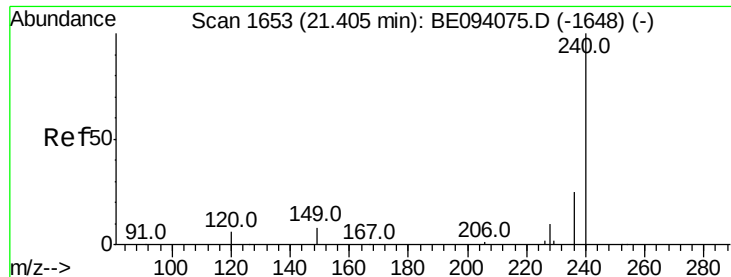
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion:	202	Resp:	180296
Ion Ratio	Lower	Upper	
202	100		
101	12.5	9.8	14.8
203	17.5	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1654

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

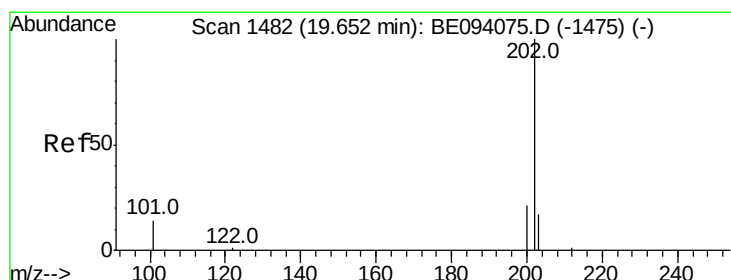
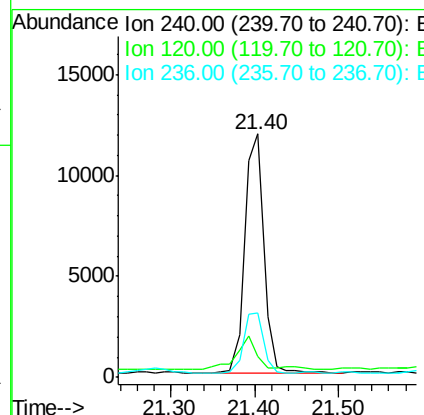
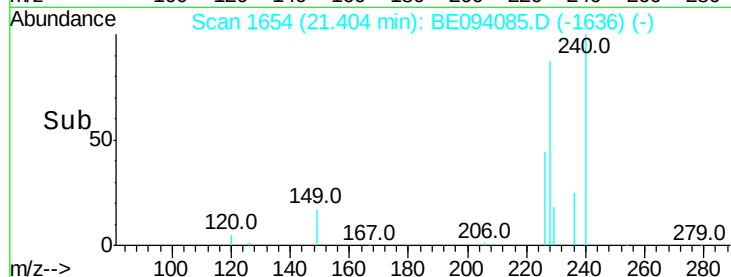
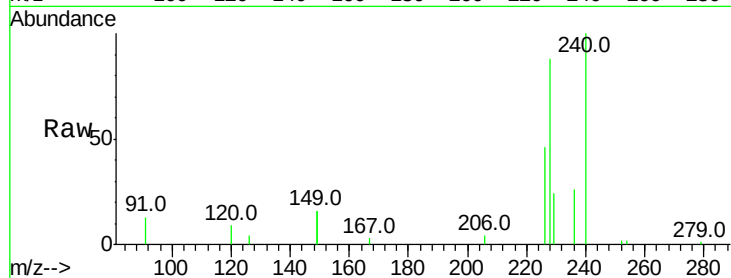
ClientSampleId :

LT-TS-002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100		18510		
120	8.8	5.5	8.3#		
236	26.3	20.7	31.1		

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#28

Pyrene

Concen: 3.503 ng

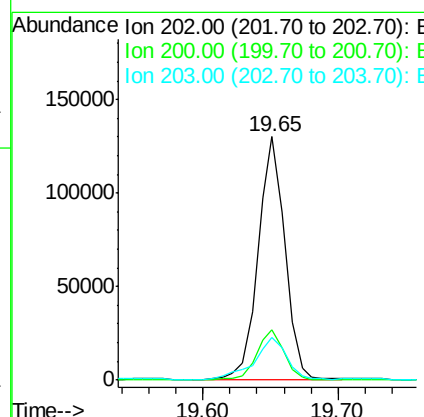
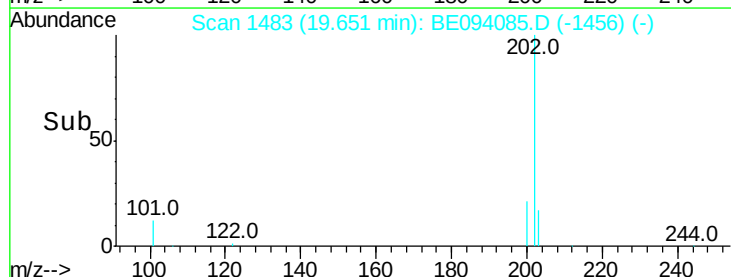
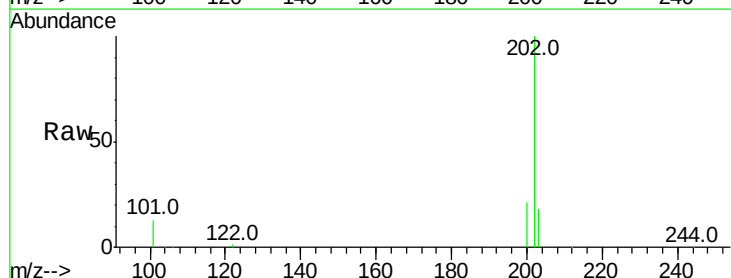
RT: 19.65 min Scan# 1483

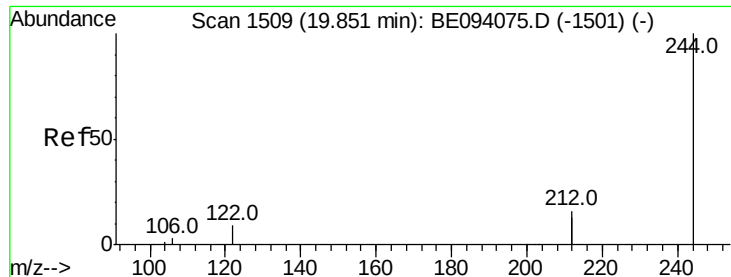
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		179388		
200	20.9	16.6	25.0		
203	21.0	13.8	20.8#		





#29

Terphenyl-d14

Concen: 0.350 ng

RT: 19.84 min Scan# 1509

Delta R.T. -0.01 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

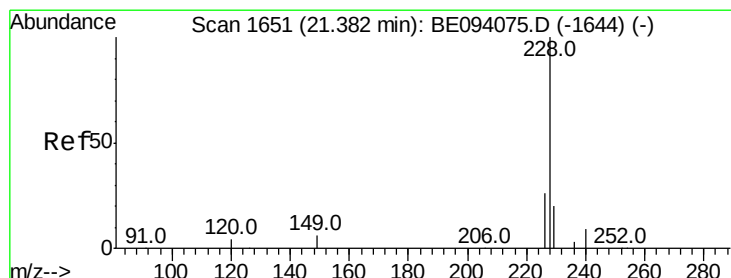
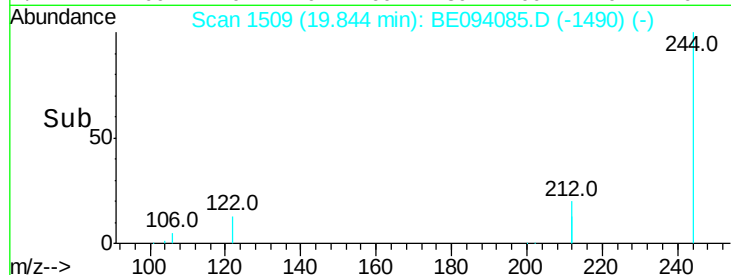
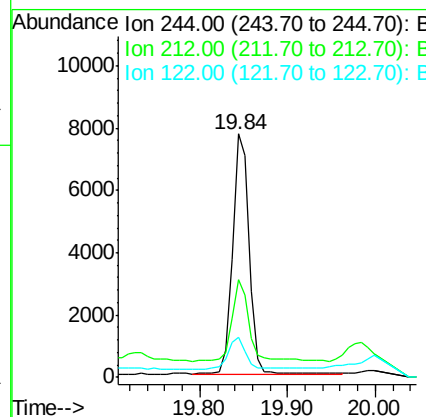
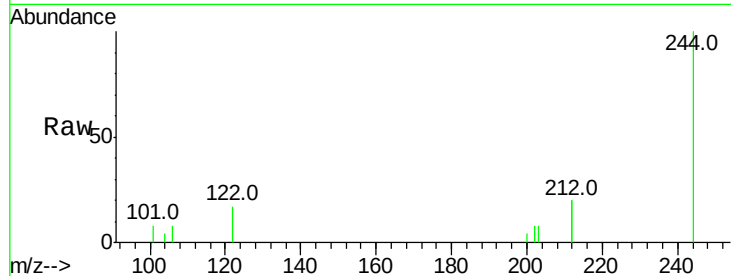
ClientSampled :

LT-TS-002

Tot Ion:	244	Resp:	10141
Ion Ratio	Lower	Upper	
244	100		
212	40.2	25.4	38.0#
122	16.7	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 1.339 ng

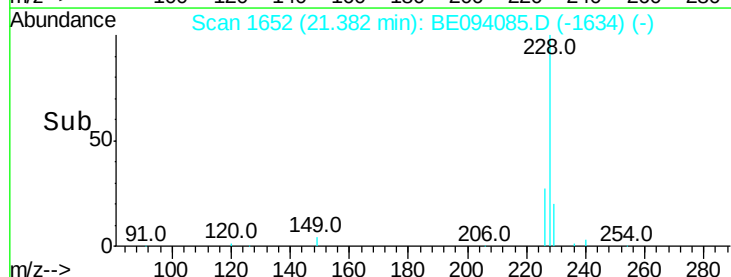
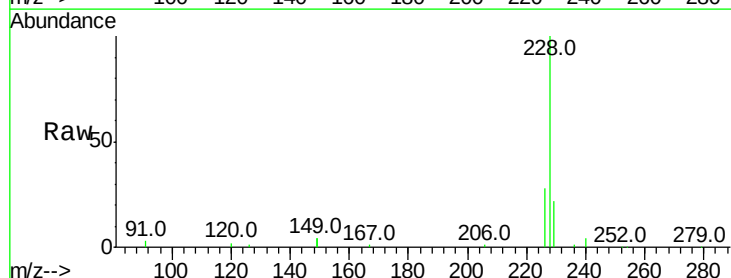
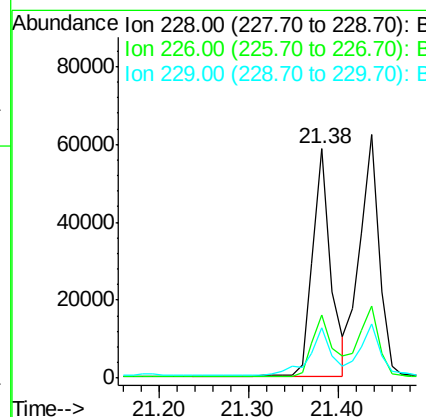
RT: 21.38 min Scan# 1652

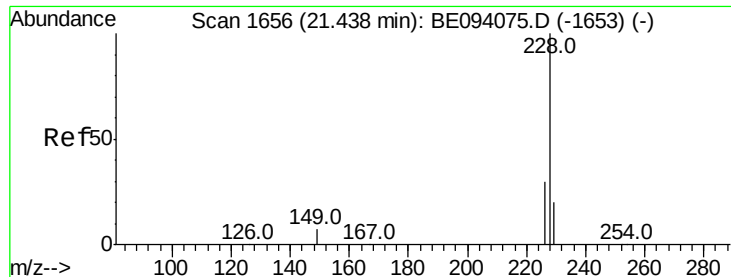
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion:	228	Resp:	83016
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.4	32.0
229	21.9	16.4	24.6





#31

Chrysene

Concen: 1.547 ng

RT: 21.44 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

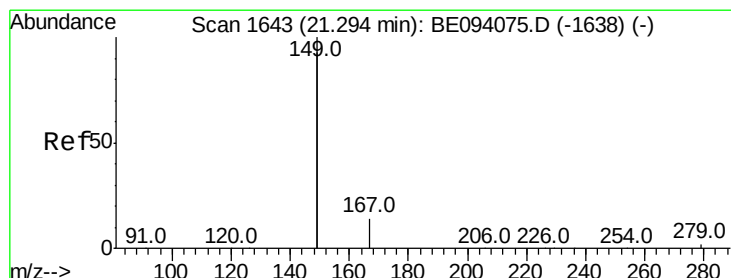
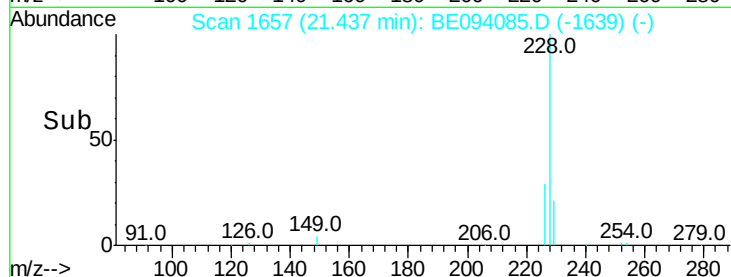
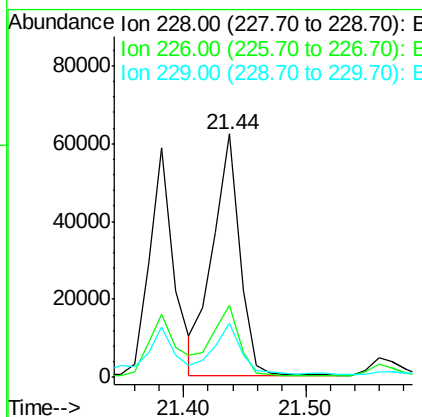
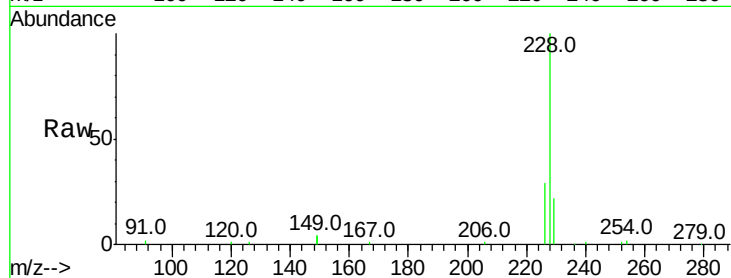
ClientSampleId :

LT-TS-002

Tot Ion:	228	Resp:	93985
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.6	35.4
229	22.3	16.4	24.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.267 ng

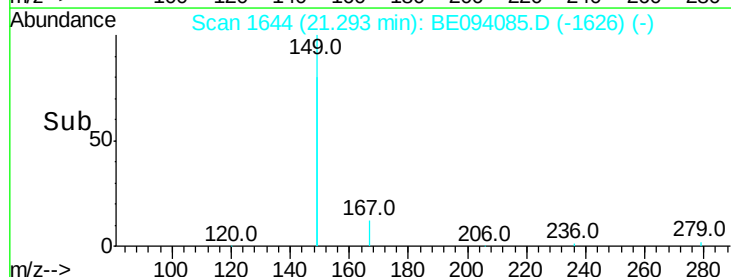
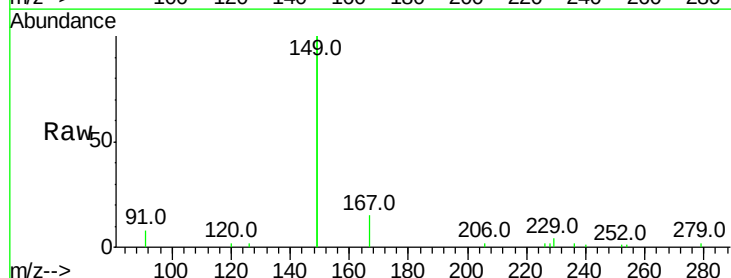
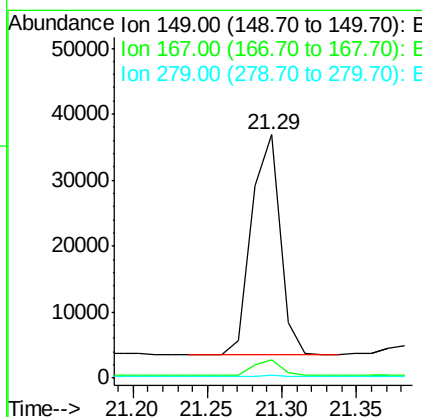
RT: 21.29 min Scan# 1644

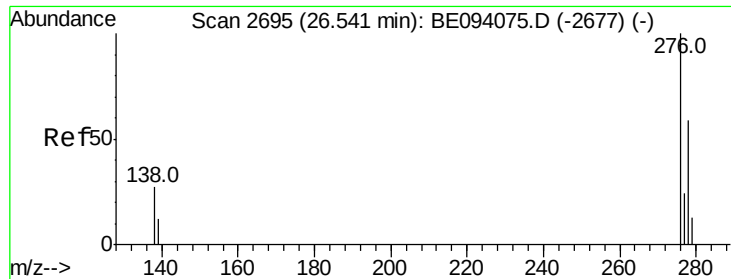
Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Tgt Ion:	149	Resp:	44424
Ion Ratio	Lower	Upper	
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1





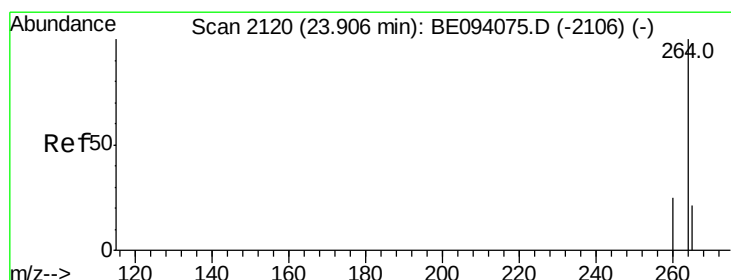
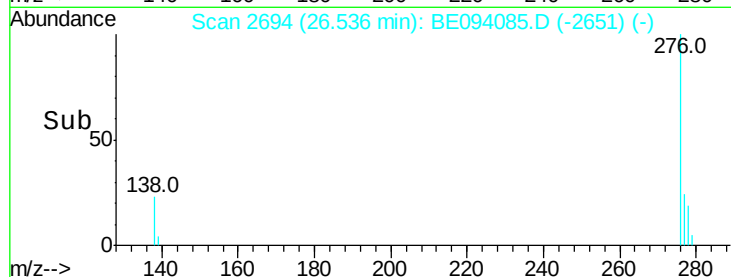
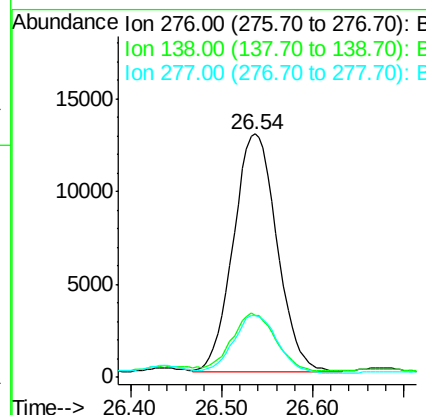
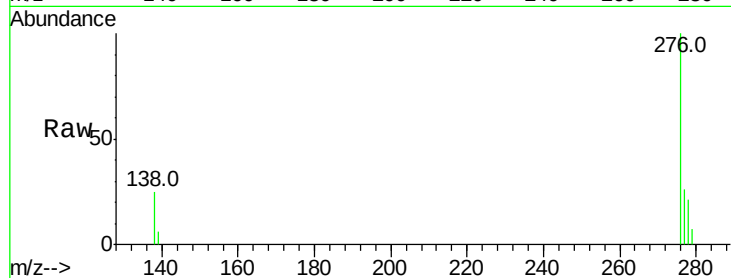
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.909 ng
RT: 26.54 min Scan# 2694
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	22.5	33.7
277	24.6	19.9	29.9

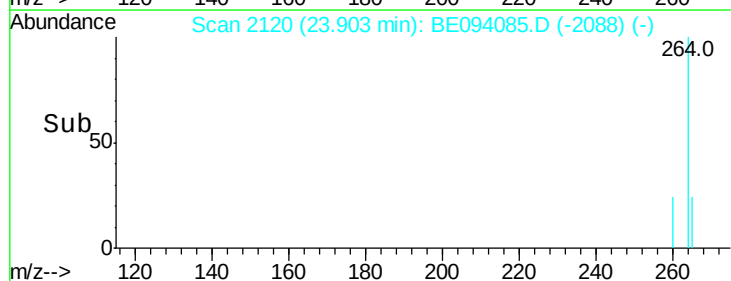
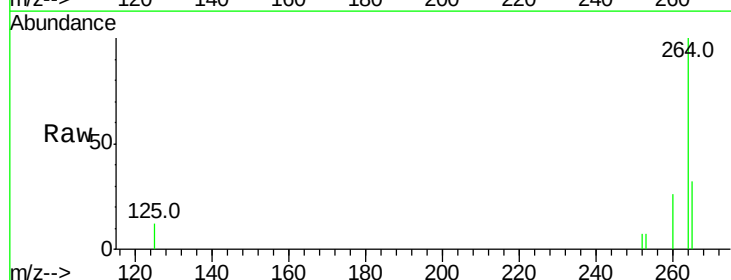
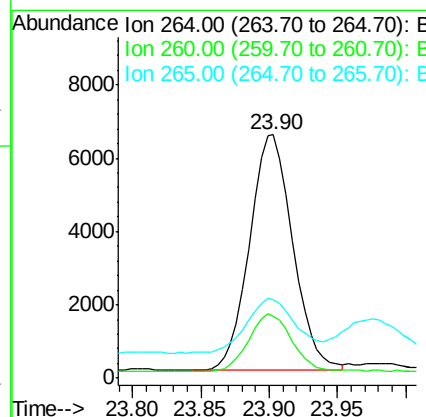
Manual Integrations
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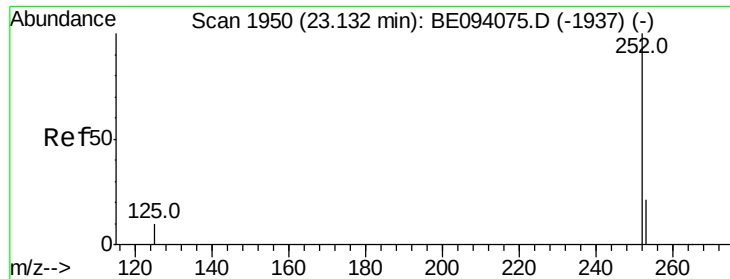
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	32.5	22.8	34.2





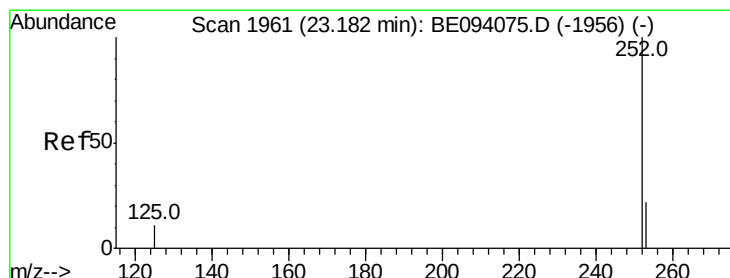
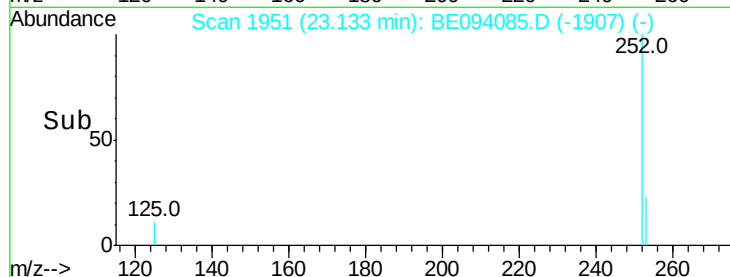
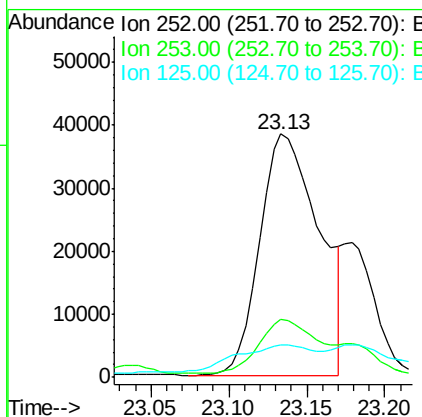
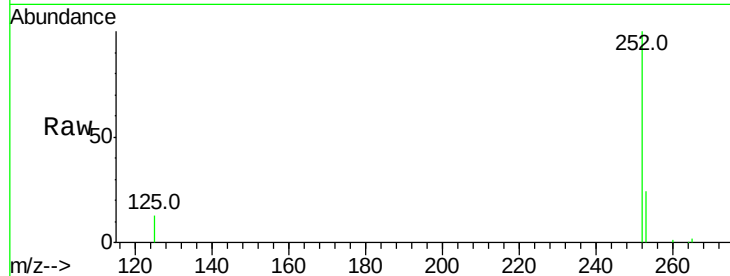
#35
Benzo(b)fluoranthene
Concen: 1.968 ng
RT: 23.13 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampled :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	13.4	10.1	15.1

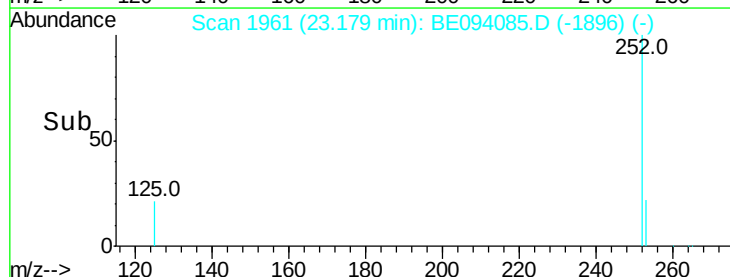
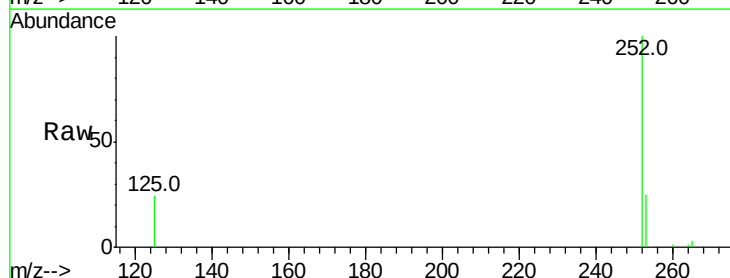
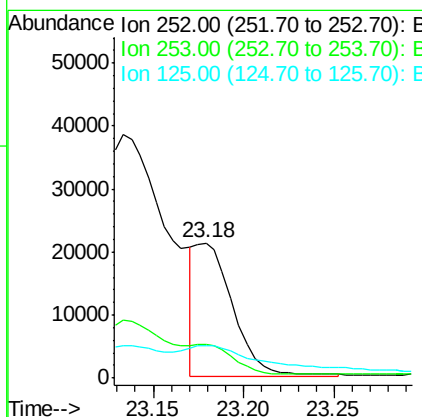
Manual Integrations
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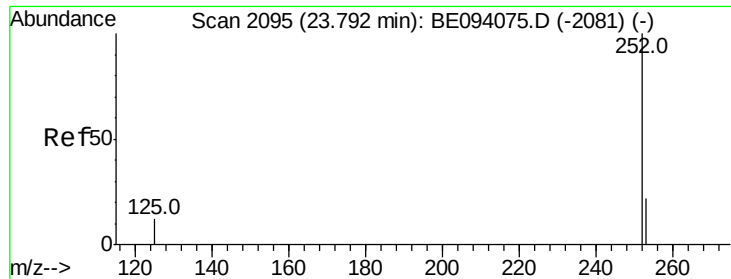
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.591 ng m
RT: 23.18 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.6	27.8
125	24.3	10.7	16.1





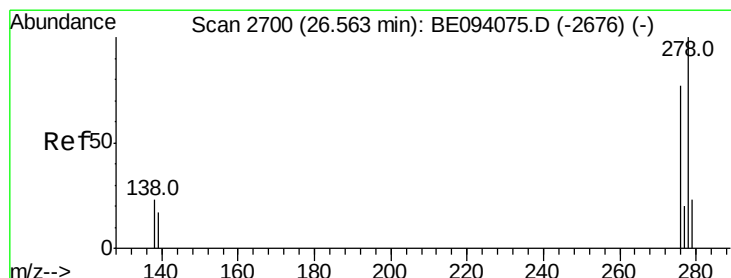
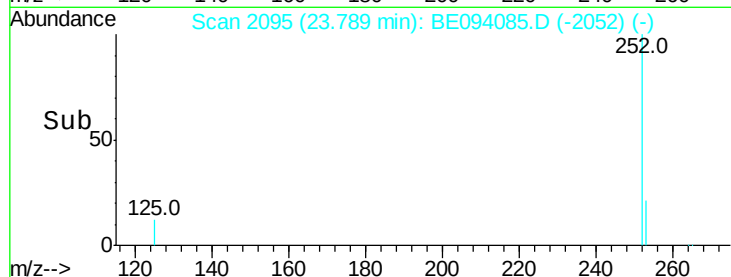
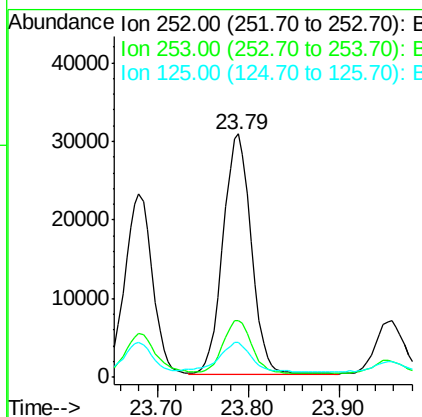
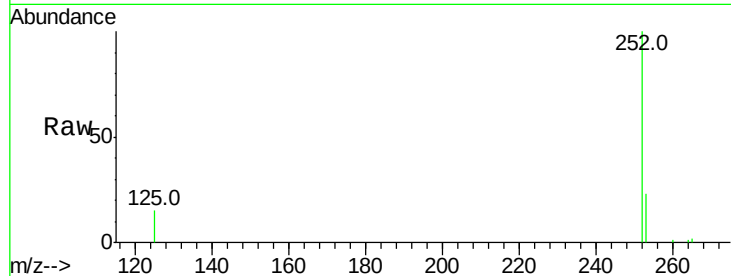
#37
Benzo(a)pyrene
Concen: 1.411 ng
RT: 23.79 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
LT-TS-002

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	14.5	11.8	17.8

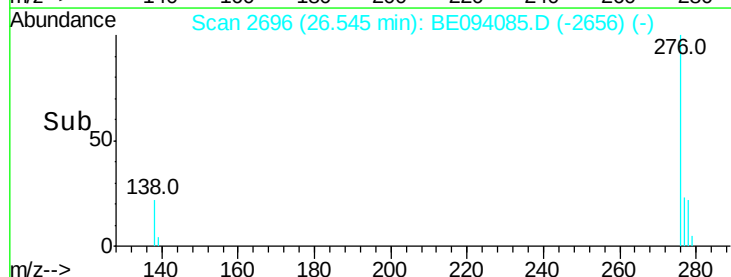
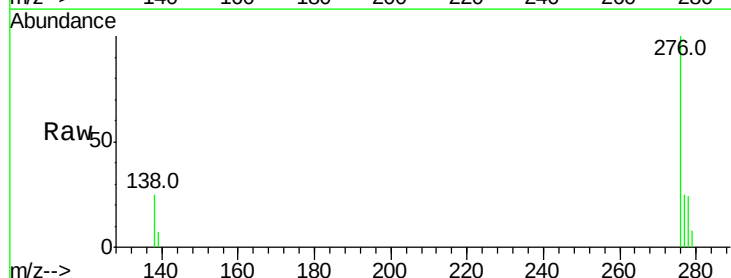
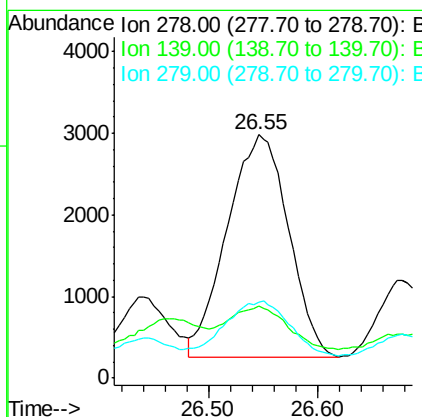
Manual Integrations
APPROVED

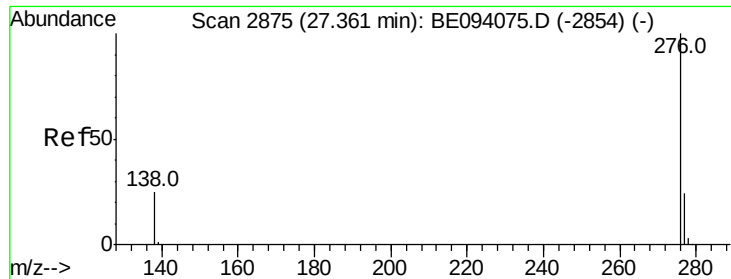
Sohil
9/25/2017 6:24:36 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.287 ng
RT: 26.55 min Scan# 2696
Delta R.T. -0.02 min
Lab File: BE094085.D
Acq: 23 Sep 2017 19:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	16.3	24.5#
279	31.3	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 1.180 ng

RT: 27.36 min Scan# 2874

Delta R.T. -0.00 min

Lab File: BE094085.D

Acq: 23 Sep 2017 19:29

Instrument :

BNA_E

ClientSampleId :

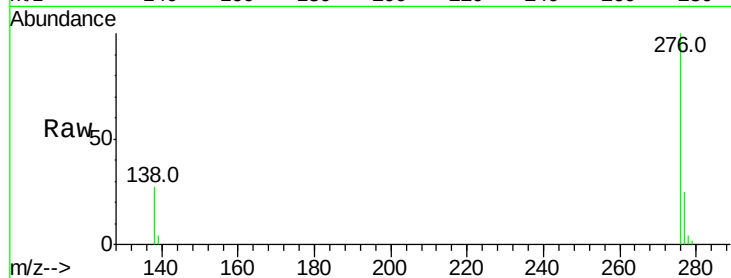
LT-TS-002

Tot Ion:	276	Resp:	43608
Ion Ratio	Lower	Upper	
276	100		
277	25.3	20.8	31.2
138	27.1	21.5	32.3

Manual Integrations
APPROVED

Sohil

9/25/2017 6:24:36 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

