

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094087.D
 Acq On : 23 Sep 2017 20:44
 Operator : SJ/JU
 Sample : I5340-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:24:40 PM

Quant Time: Sep 25 13:21:17 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	2148	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	12483	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	8513	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	25816	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15661	0.40	ng	0.00
34) Perylene-d12	23.90	264	14950	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	4253	0.35	ng	0.00
5) Phenol-d6	7.09	99	5343	0.42	ng	0.00
8) Nitrobenzene-d5	9.04	82	4369	0.39	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	6641	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1324	0.21	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	9009	0.32	ng	0.00
25) Fluoranthene-d10	19.26	212	62151	0.19	ng	0.00
29) Terphenyl-d14	19.84	244	8736	0.36	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.74	128	8446	0.053	ng	# 98
12) 2-Methylnaphthalene	12.35	142	1173	0.047	ng	95
16) Acenaphthylene	14.23	152	8675	0.202	ng	99
17) Acenaphthene	14.57	154	3866	0.136	ng	98
18) Fluorene	15.55	166	4861	0.115	ng	89
23) Phenanthrene	17.27	178	158841	1.718	ng	98
24) Anthracene	17.37	178	23300	0.327	ng	# 86
26) Fluoranthene	19.29	202	262396	2.645	ng	99
28) Pyrene	19.65	202	239399	5.525	ng	# 95
30) Benzo(a)anthracene	21.38	228	102471	1.954	ng	98
31) Chrysene	21.44	228	105990	2.062	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	48520	0.344	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	62532	1.574	ng	96
35) Benzo(b)fluoranthene	23.13	252	133713	2.471	ng	99
36) Benzo(k)fluoranthene	23.18	252	43441m	0.800	ng	
37) Benzo(a)pyrene	23.79	252	93290	1.920	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	14975	0.385	ng	# 86
39) Benzo(a,h,i)perylene	27.35	276	63841	1.642	ng	98

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

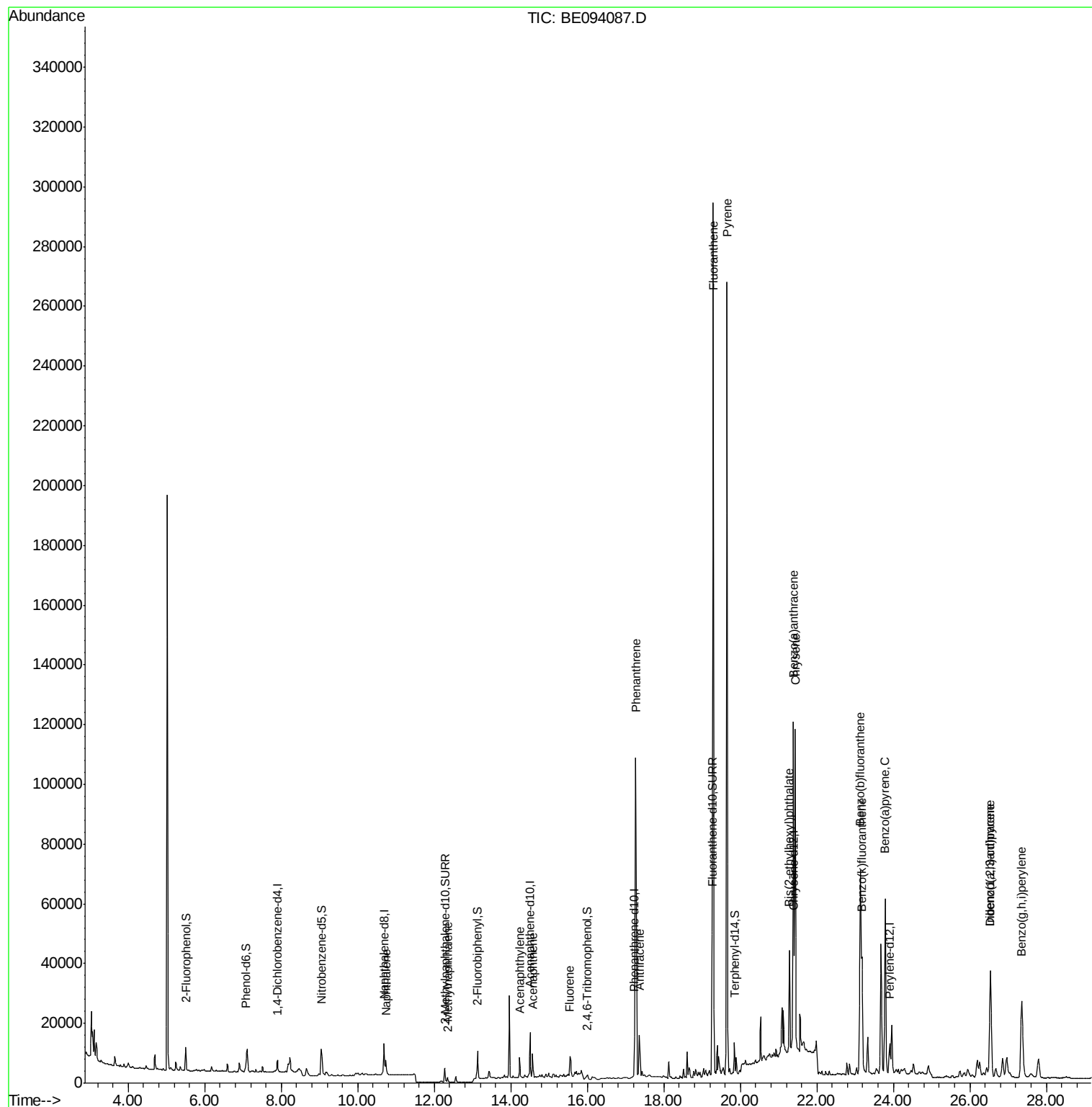
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094087.D
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ALS Vial : 14 Sample Multiplier: 1

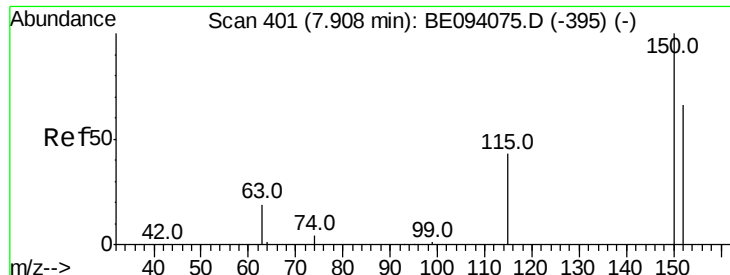
Instrument :
BNA_E
ClientSampleId :
LT-TS-004

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#1

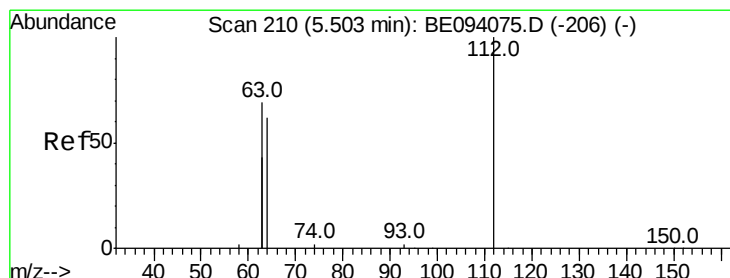
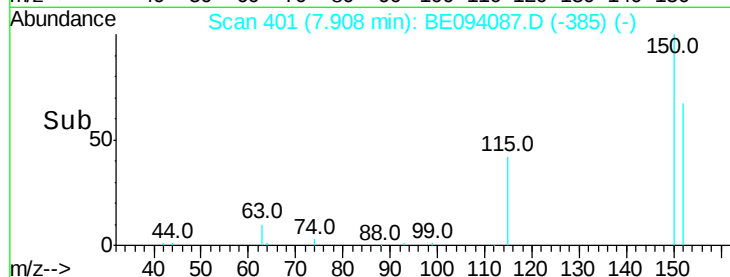
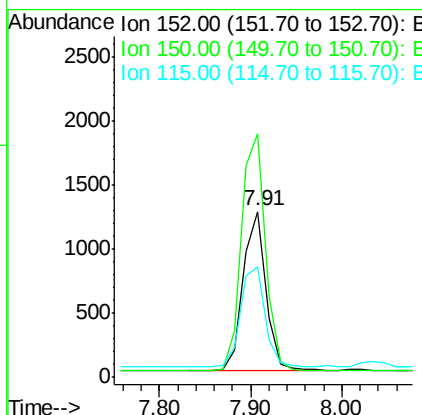
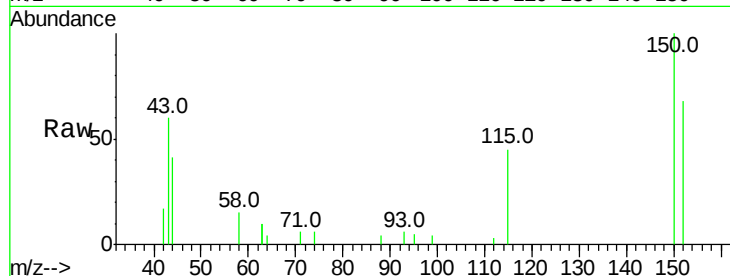
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampled :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	117.2	175.8
115	66.7	57.0	85.6

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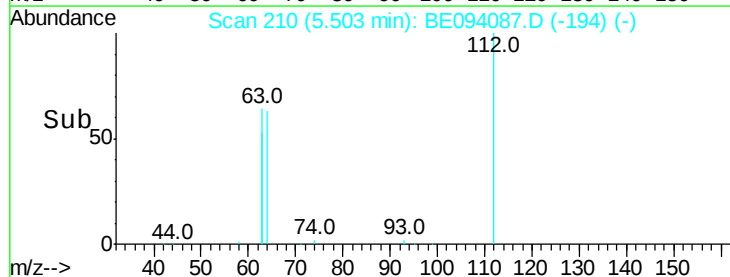
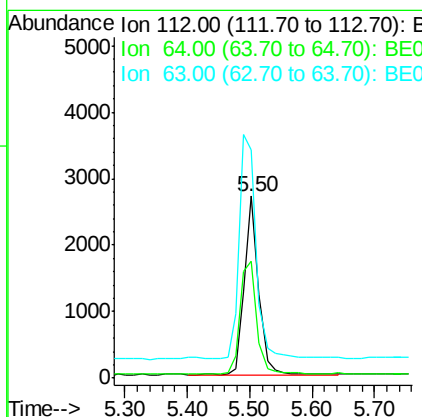
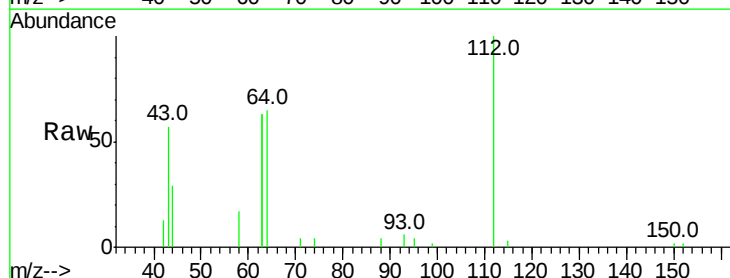
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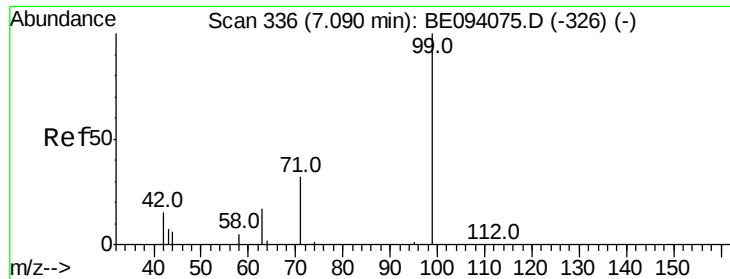


#4

2-Fluorophenol
Concen: 0.347 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	60.1	90.1
63	151.6	116.8	175.2





#5

Phenol-d6

Concen: 0.421 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Instrument :

BNA_E

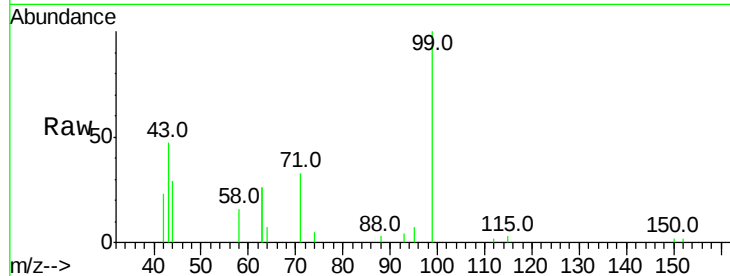
ClientSampled :

LT-TS-004

Tot Ion:	99	Resp:	5343
Ion	Ratio	Lower	Upper
99	100		
42	27.1	20.2	30.2
71	39.3	28.4	42.6

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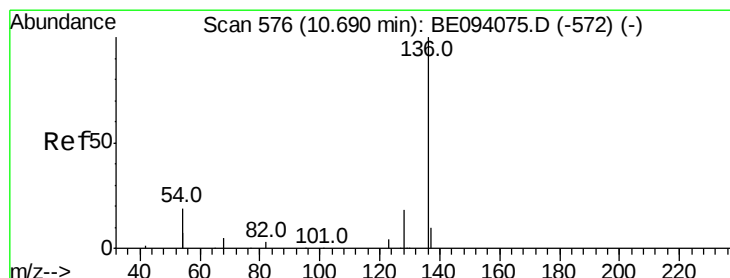
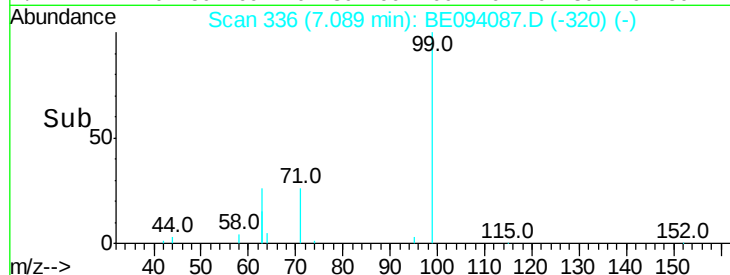
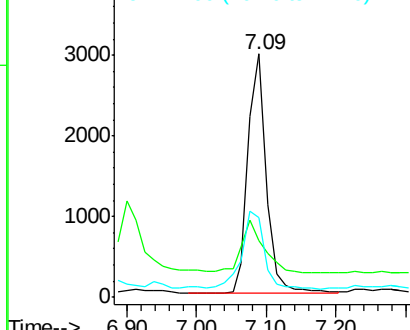


Abundance

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: BE094087.D

Acq: 23 Sep 2017 20:44

Tgt Ion:	136	Resp:	12483
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.5	14.3
54	32.3	29.1	43.7
68	7.3	6.2	9.2

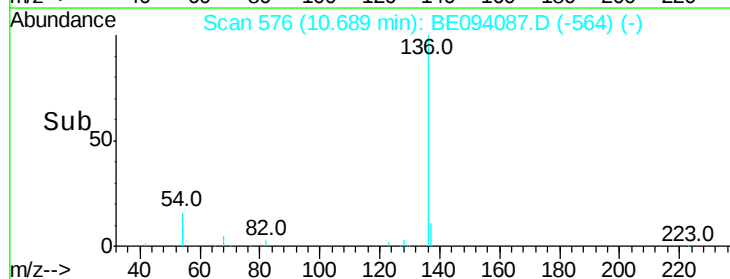
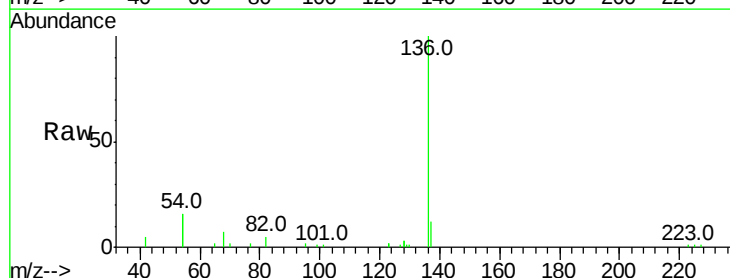
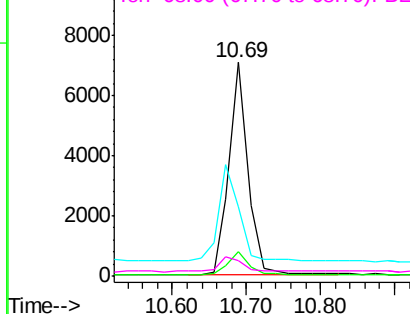
Abundance

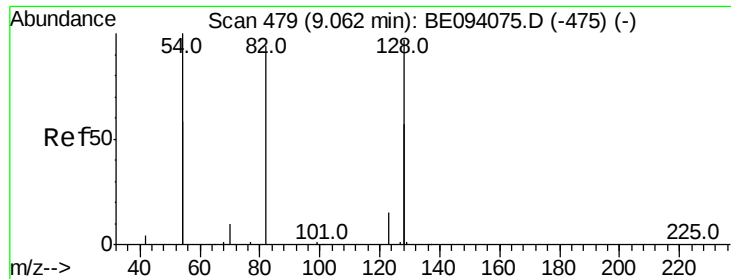
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 9.04 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Instrument :

BNA_E

ClientSampleId :

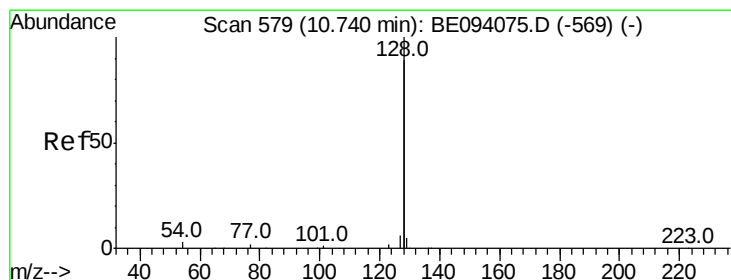
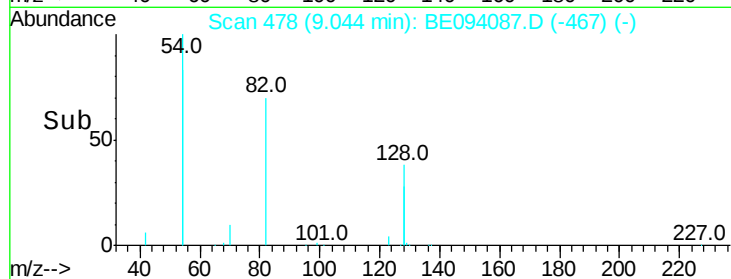
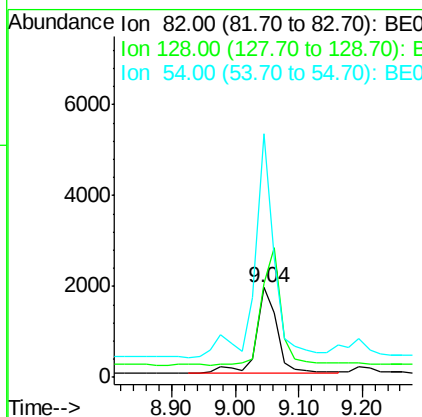
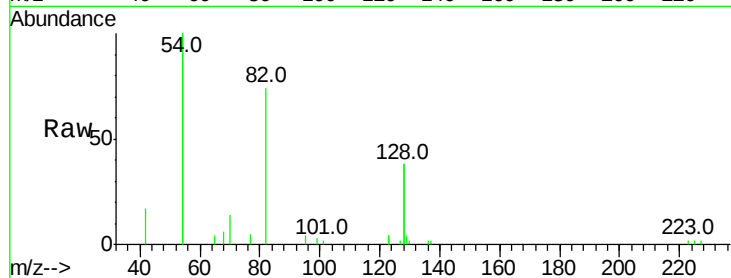
LT-TS-004

Tot Ion	Ratio	Lower	Upper
82	100		
128	104.4	150.0	225.0#
54	272.0	154.2	231.4#

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#9

Naphthalene

Concen: 0.053 ng

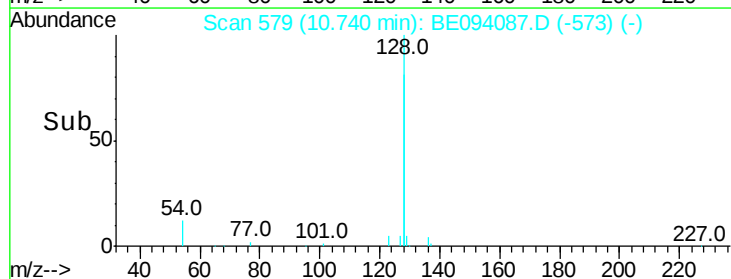
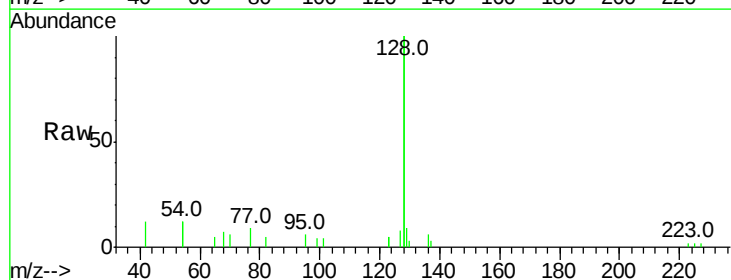
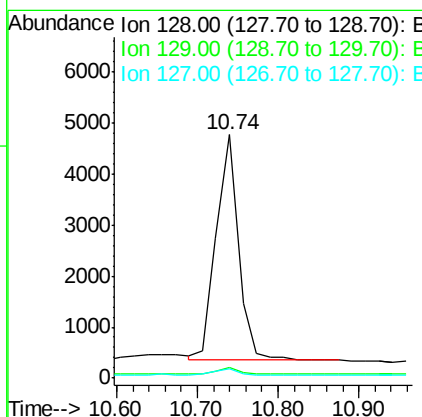
RT: 10.74 min Scan# 579

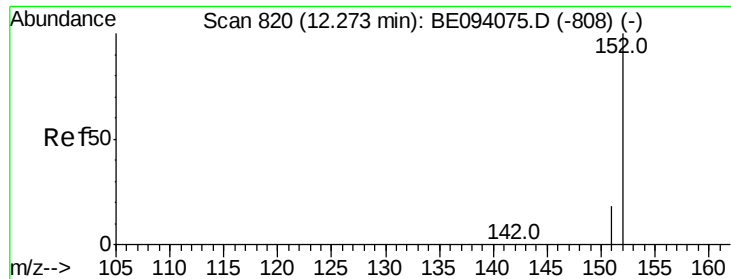
Delta R.T. -0.00 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	4.3	2.6	3.8#
127	4.0	2.8	4.2





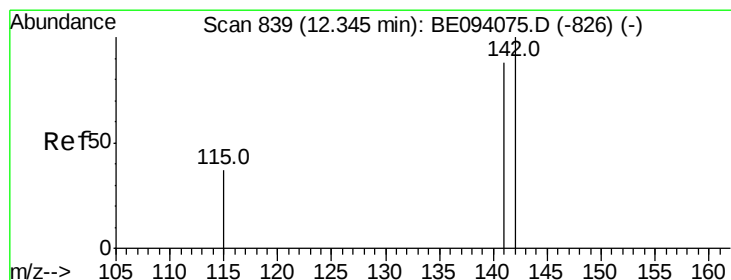
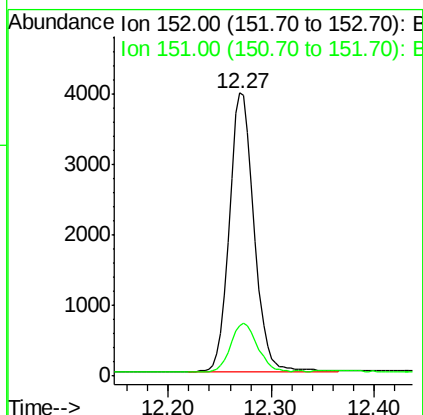
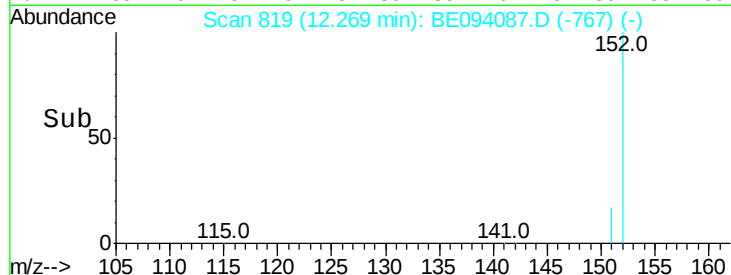
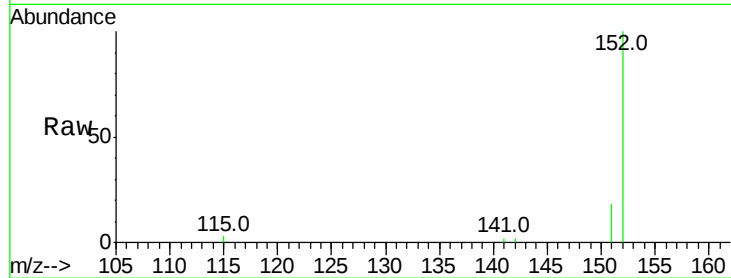
#11
2-Methylnaphthalene-d10
Concen: 0.314 ng
RT: 12.27 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion:152 Resp: 6641
Ion Ratio Lower Upper
152 100
151 19.1 15.4 23.0

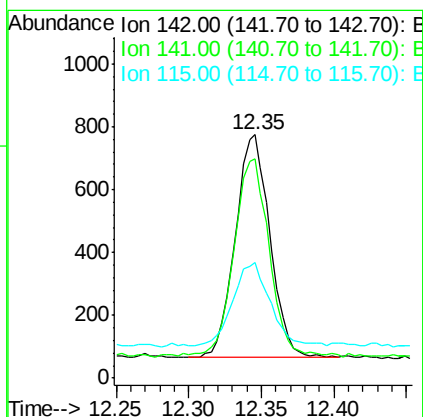
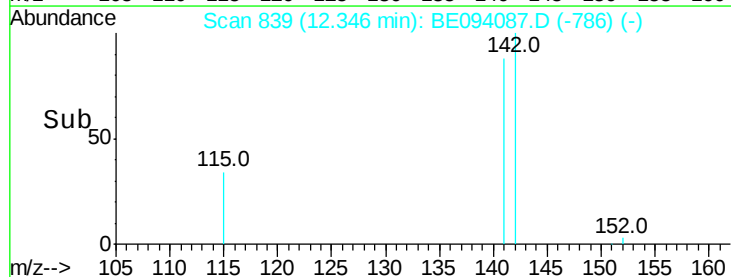
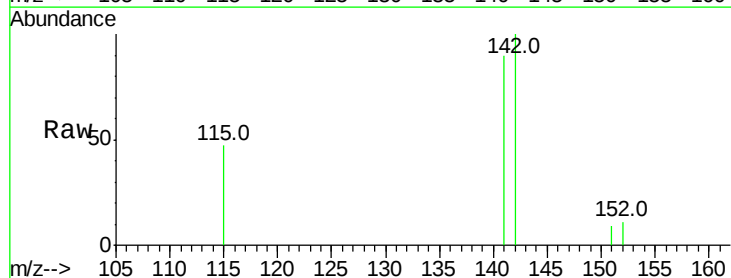
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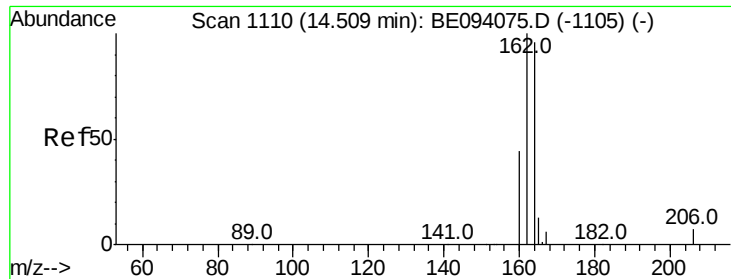
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#12
2-Methylnaphthalene
Concen: 0.047 ng
RT: 12.35 min Scan# 839
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion:142 Resp: 1173
Ion Ratio Lower Upper
142 100
141 90.1 70.4 105.6
115 47.4 31.7 47.5





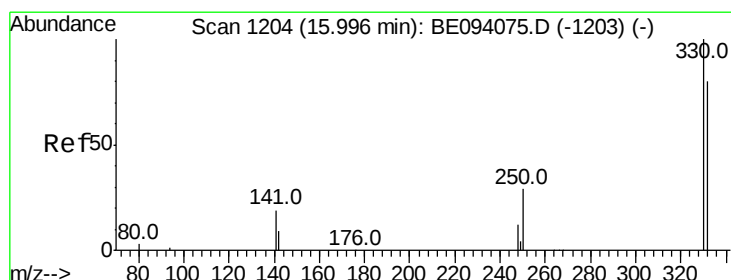
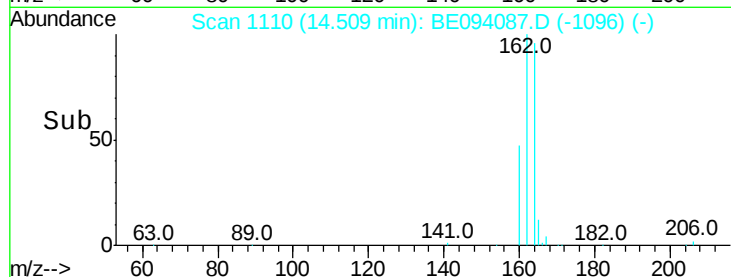
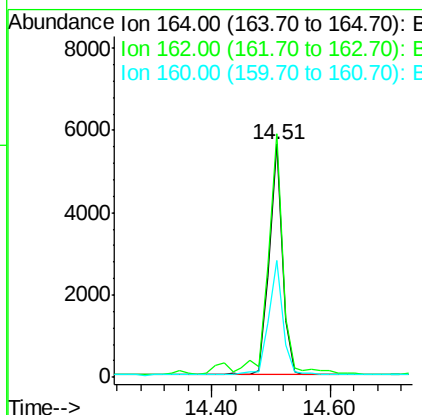
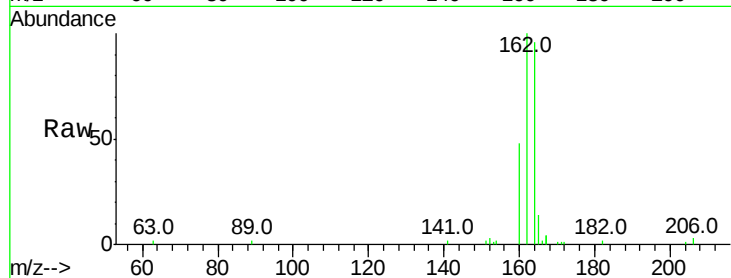
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-004

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.1	124.7
160	49.9	37.1	55.7

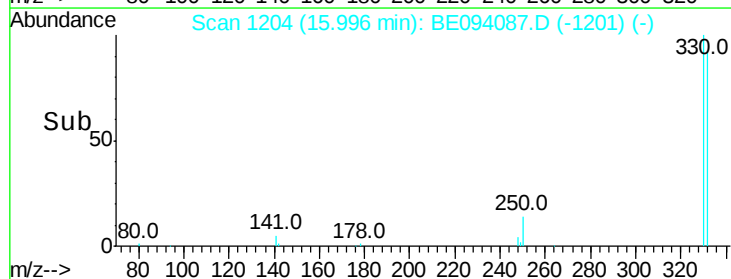
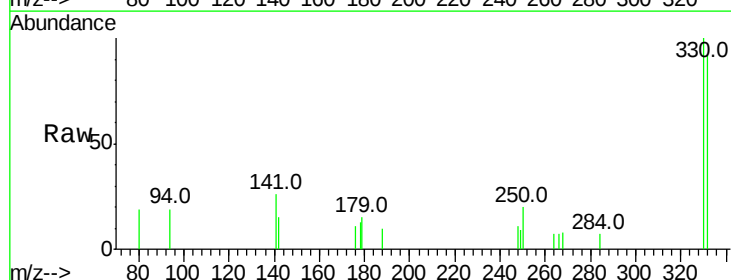
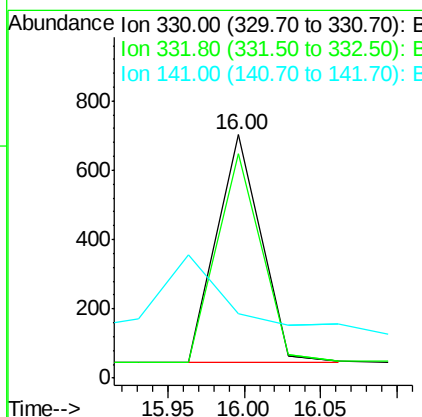
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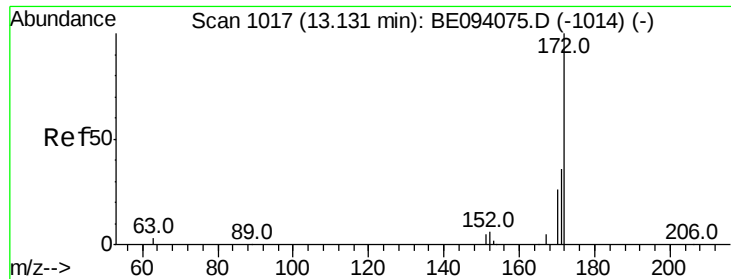
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#14
 2,4,6-Tribromophenol
 Concen: 0.205 ng
 RT: 16.00 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.2	152.7	229.1#
141	0.0	33.7	50.5#





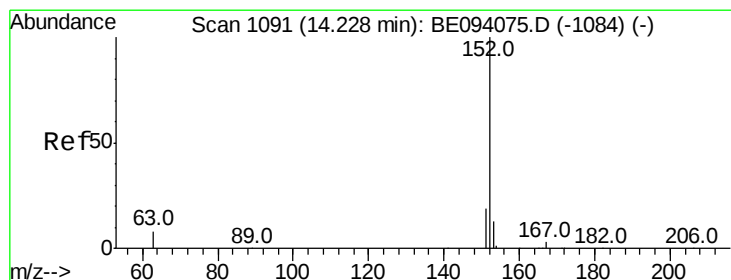
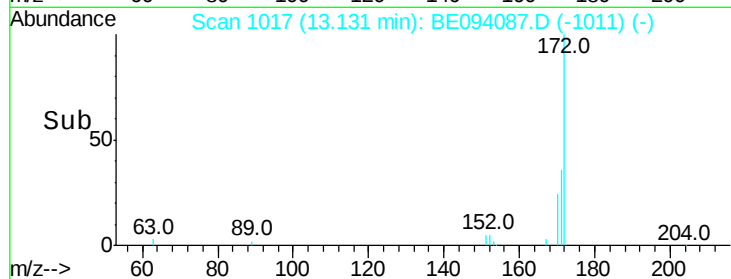
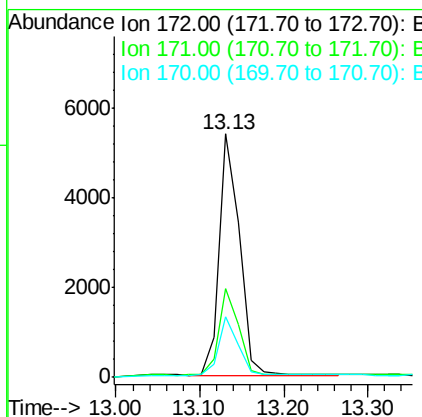
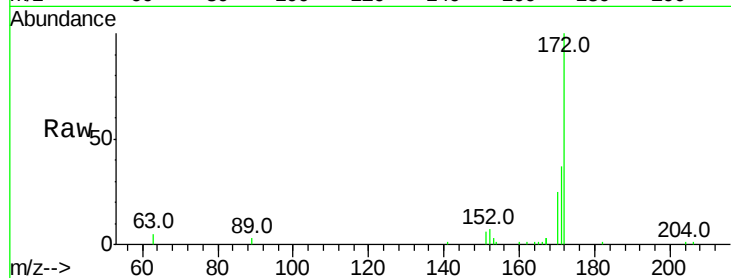
#15
2-Fluorobiphenyl
Concen: 0.322 ng
RT: 13.13 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	24.7	21.8	32.8

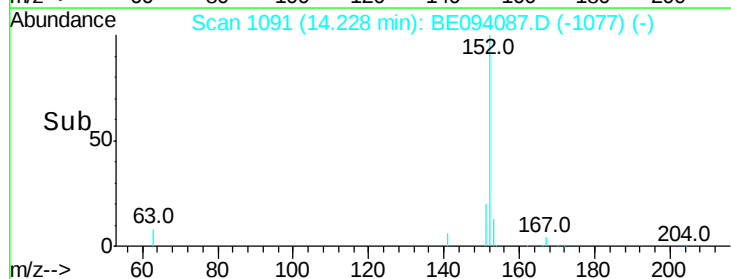
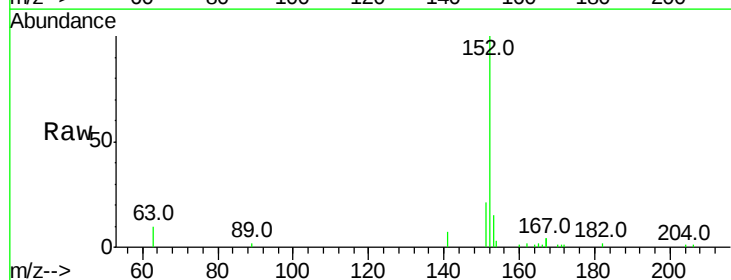
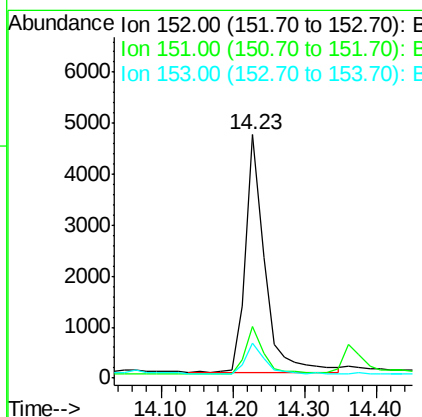
Manual Integrations
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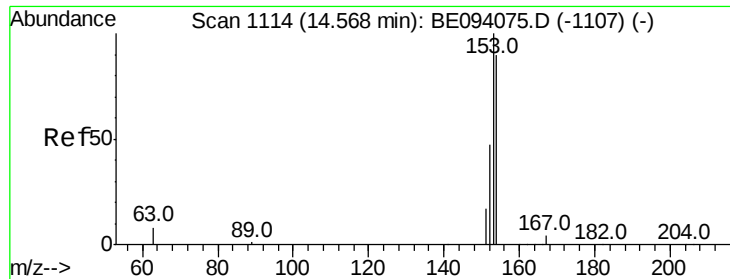
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#16
Acenaphthylene
Concen: 0.202 ng
RT: 14.23 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.1	10.5	15.7





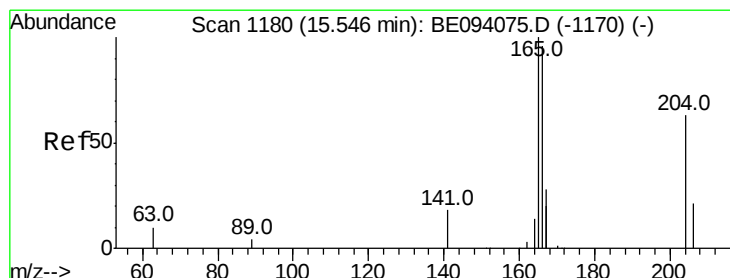
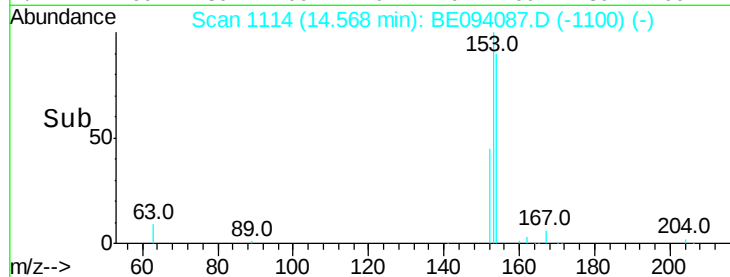
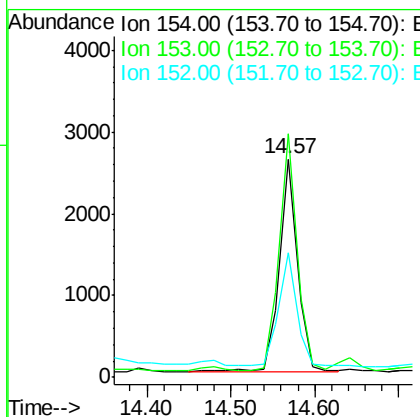
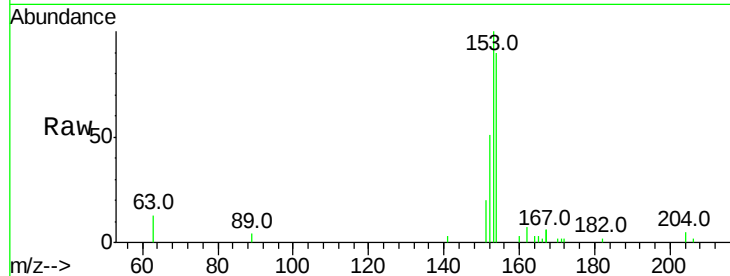
#17
Acenaphthene
Concen: 0.136 ng
RT: 14.57 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.2	133.8
152	56.6	42.0	63.0

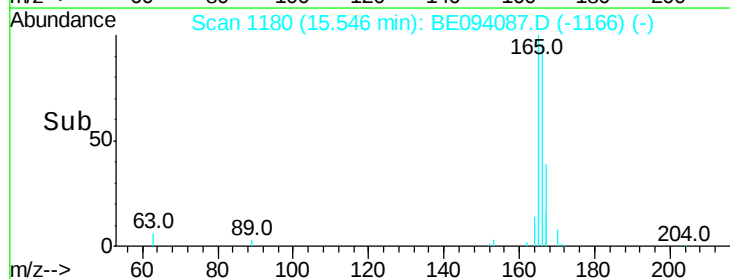
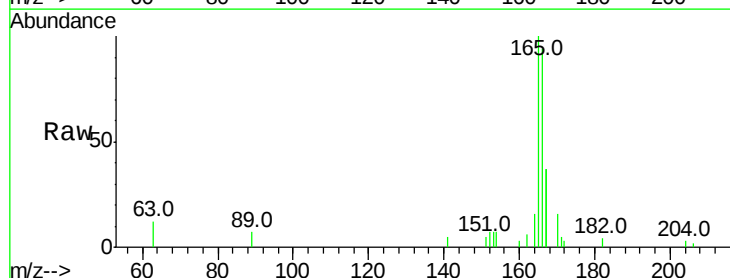
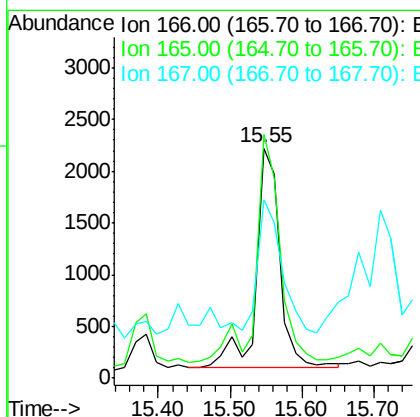
Manual Integrations
APPROVED

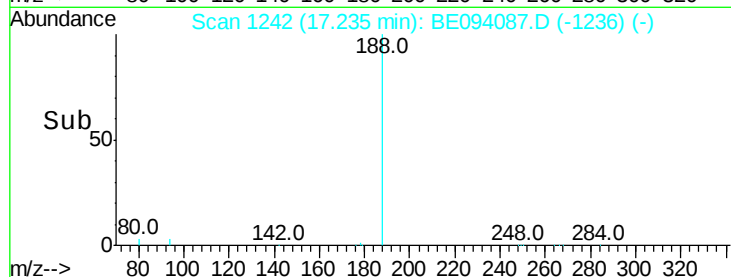
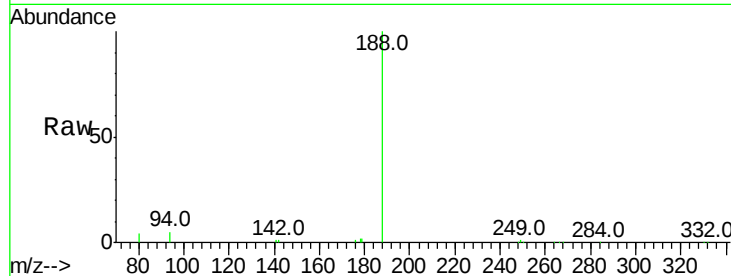
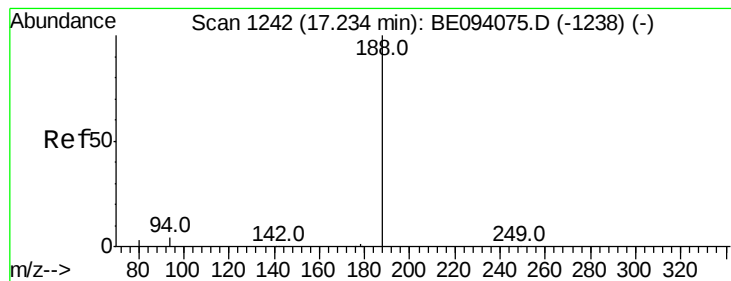
Sohil
9/25/2017 6:24:40 PM



#18
Fluorene
Concen: 0.115 ng
RT: 15.55 min Scan# 1180
Delta R.T. 0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.0	77.8	116.6
167	60.1	42.4	63.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1242

Delta R.T. 0.00 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Tot Ion:	188	Resp:	25816
Ion Ratio	Lower	Upper	
188	100		
94	4.6	3.9	5.9
80	4.2	3.6	5.4

Instrument :

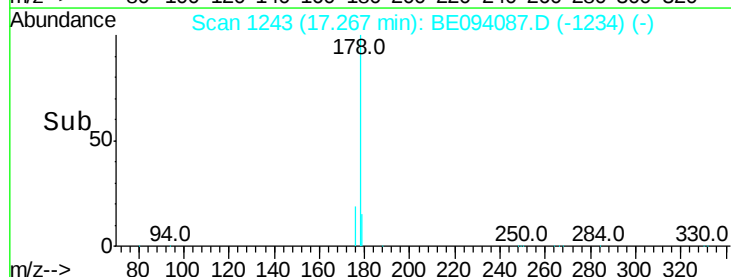
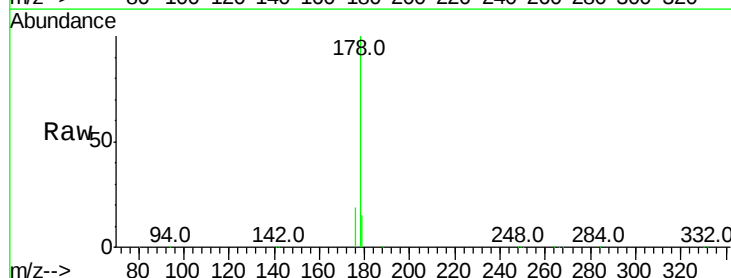
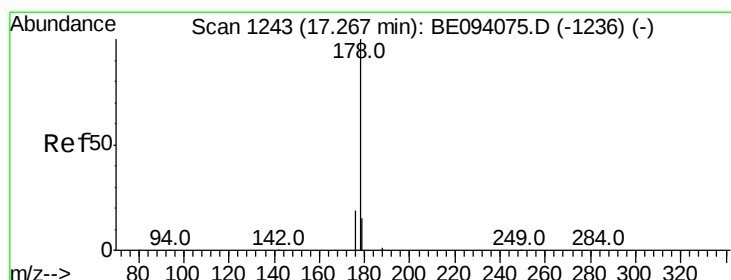
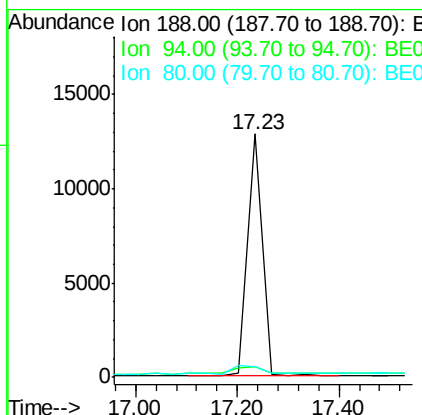
BNA_E

ClientSampled :

LT-TS-004

Manual Integrations
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#23

Phenanthrene

Concen: 1.718 ng

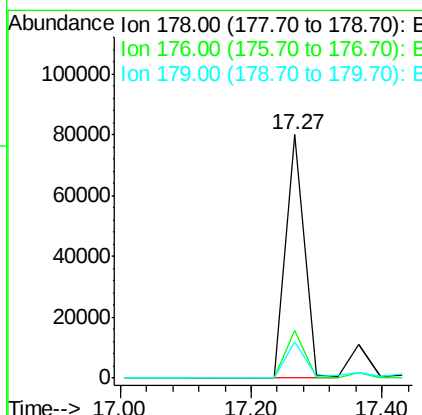
RT: 17.27 min Scan# 1243

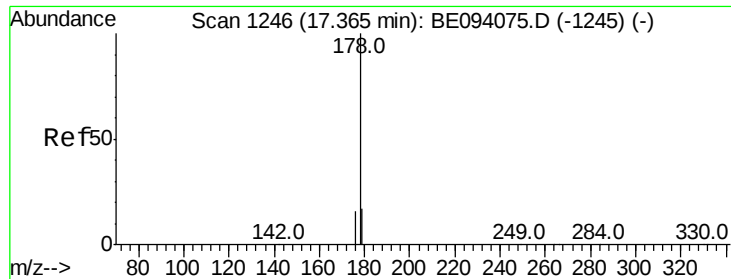
Delta R.T. 0.00 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Tgt Ion:	178	Resp:	158841
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.1	22.7
179	15.7	11.8	17.6





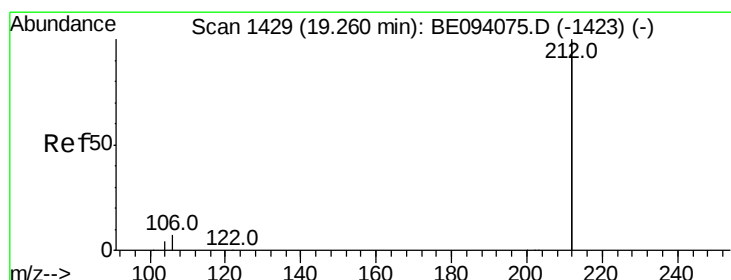
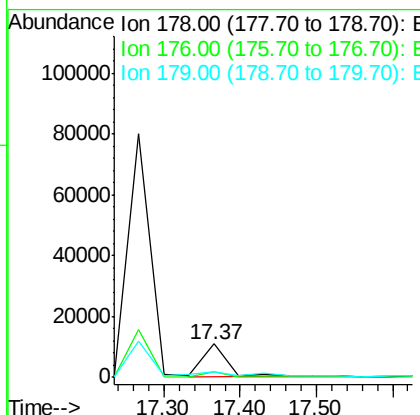
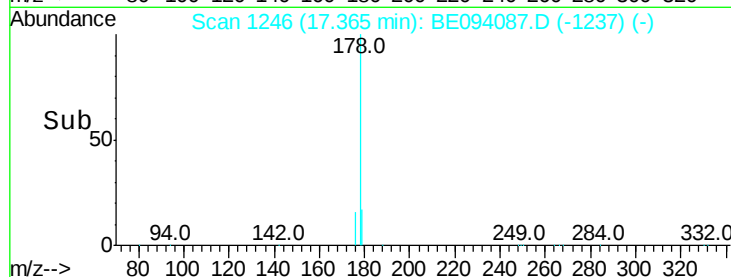
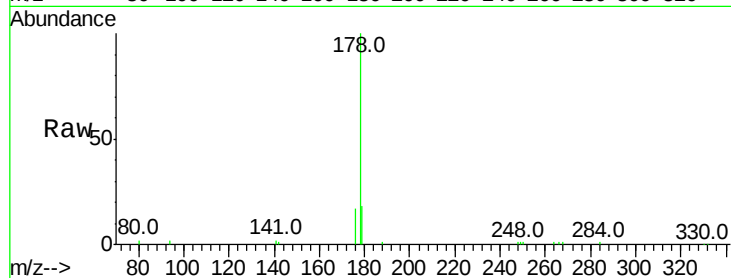
#24
 Anthracene
 Concen: 0.327 ng
 RT: 17.37 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-004

Tot Ion	Ratio	Lower	Upper
178	100		
176	16.1	12.8	19.2
179	27.8	13.0	19.6

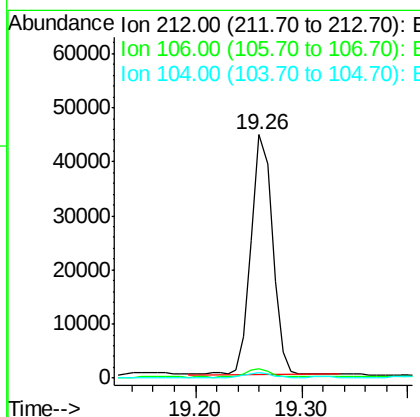
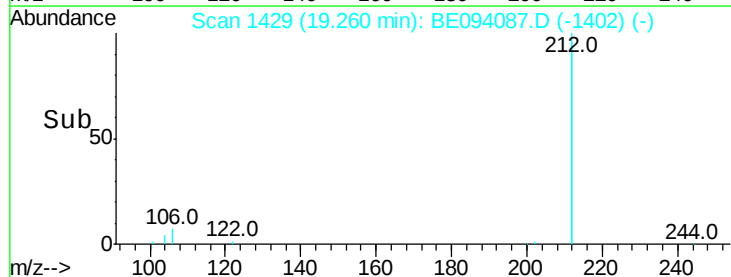
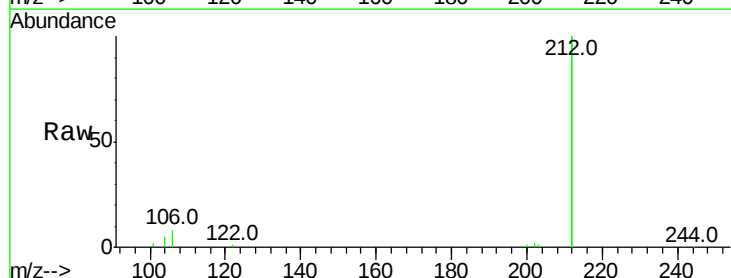
Manual Integrations
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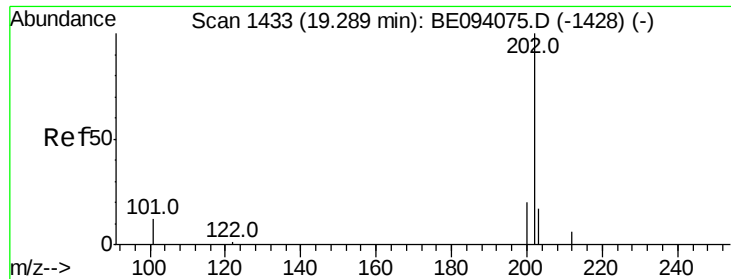
Sohil
 9/25/2017 6:24:40 PM



#25
 Fluoranthene-d10
 Concen: 0.188 ng
 RT: 19.26 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.8	2.8	4.2
104	2.2	1.6	2.4





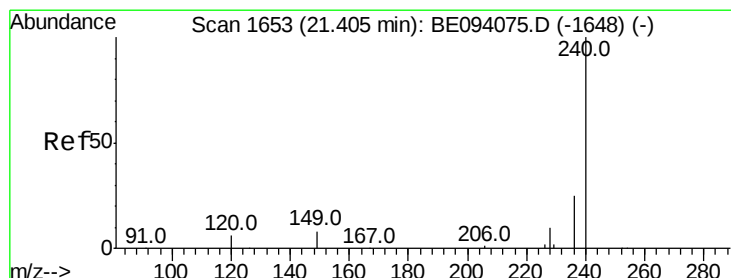
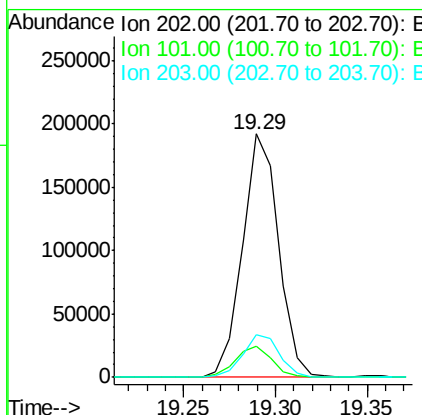
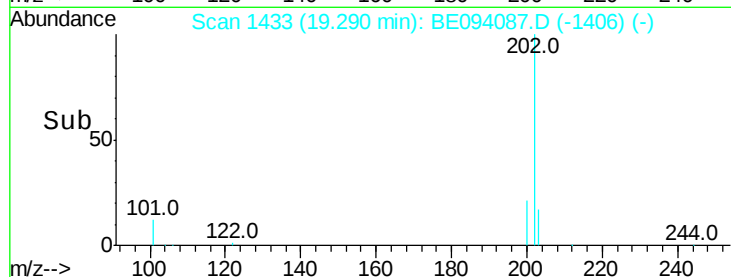
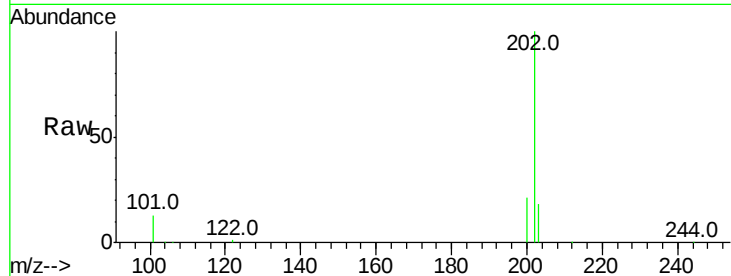
#26
 Fluoranthene
 Concen: 2.645 ng
 RT: 19.29 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Instrument :
 BNA_E
 ClientSampled :
 LT-TS-004

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	9.8	14.8
203	17.6	13.7	20.5

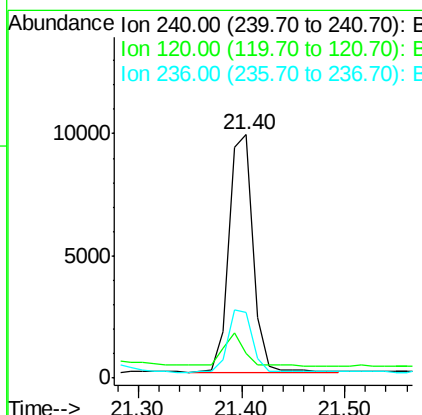
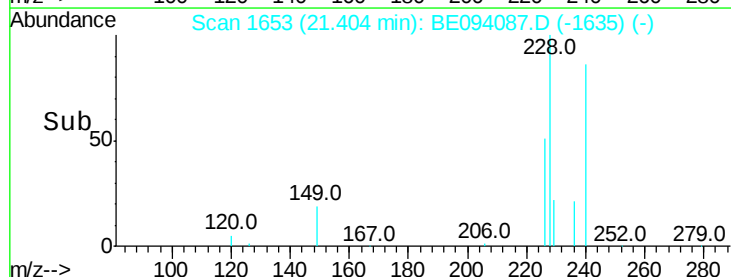
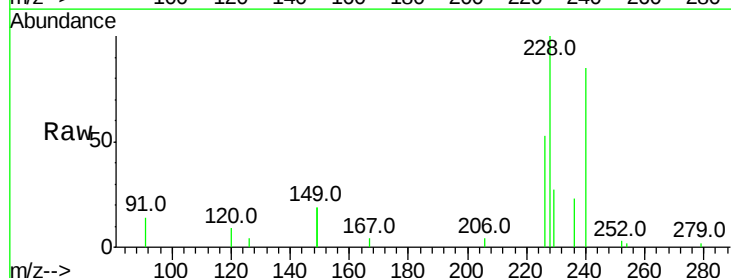
Manual Integrations
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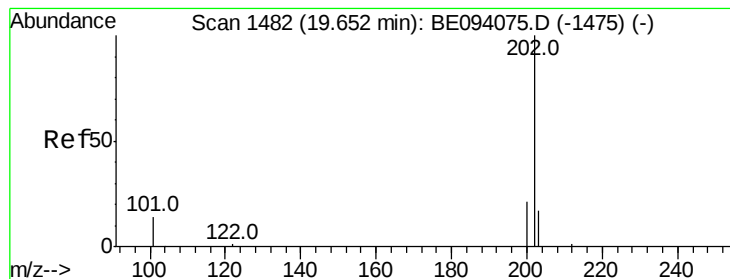
Sohil
 9/25/2017 6:24:40 PM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BE094087.D
 Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	5.5	8.3#
236	27.2	20.7	31.1





#28

Pvrene

Concen: 5.525 ng

RT: 19.65 min Scan# 1482

Delta R.T. 0.00 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Instrument :

BNA_E

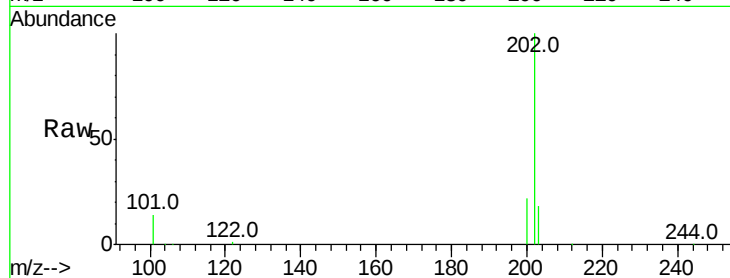
ClientSampleId :

LT-TS-004

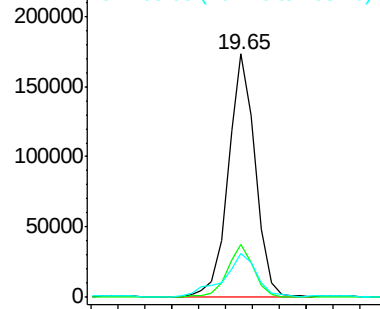
Tot Ion:	202	Resp:	239399
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.6	25.0
203	21.9	13.8	20.8

Manual Integrations
APPROVED

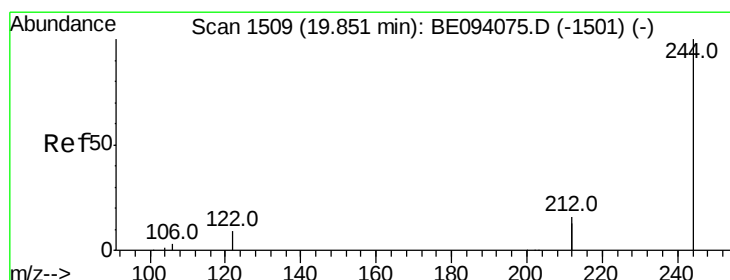
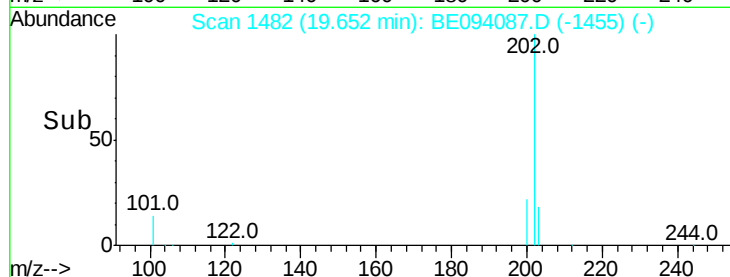
Sohil
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#29

Terphenyl-d14

Concen: 0.356 ng

RT: 19.84 min Scan# 1508

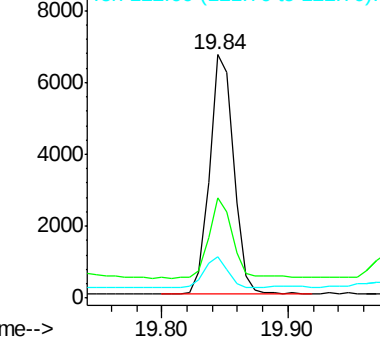
Delta R.T. -0.01 min

Lab File: BE094087.D

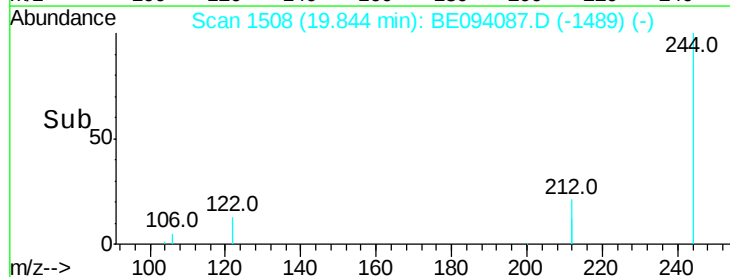
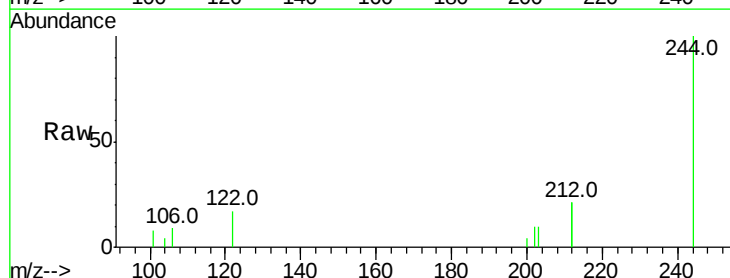
Acq: 23 Sep 2017 20:44

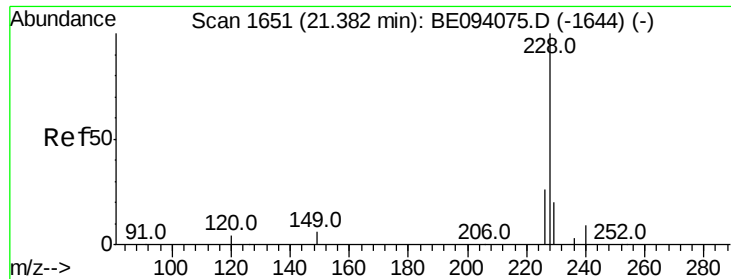
Tgt Ion:	244	Resp:	8736
Ion Ratio	Lower	Upper	
244	100		
212	41.1	25.4	38.0
122	16.9	8.1	12.1

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





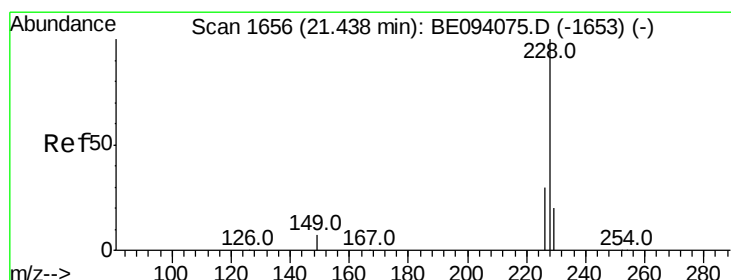
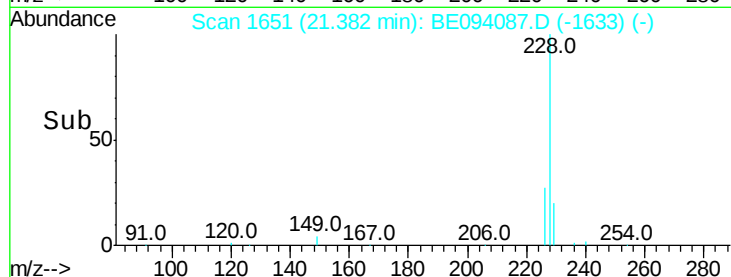
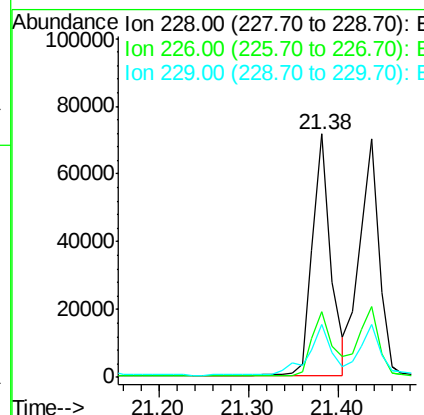
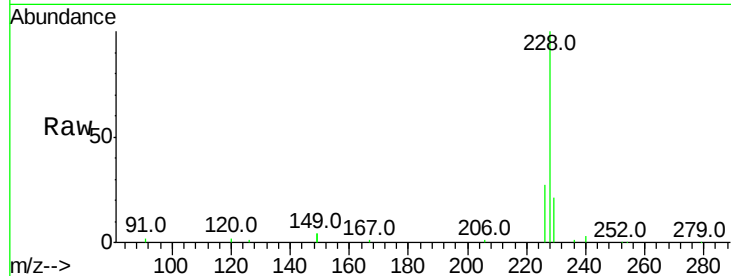
#30
Benzo(a)anthracene
Concen: 1.954 ng
RT: 21.38 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.0
229	21.5	16.4	24.6

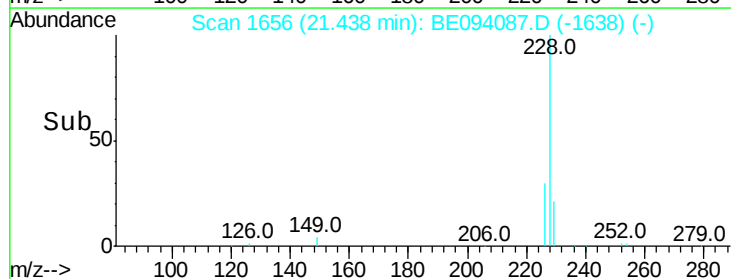
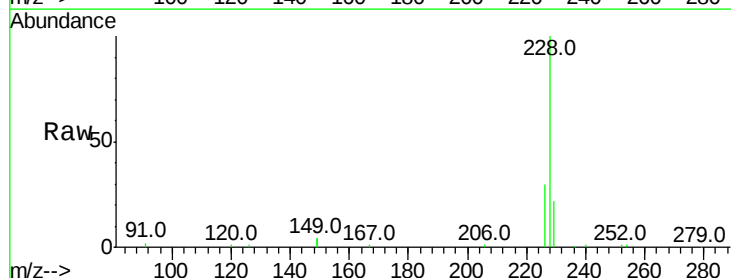
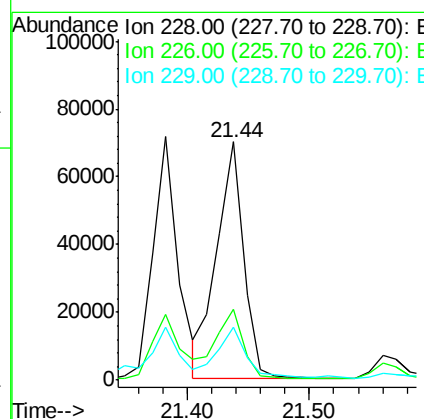
Manual Integrations
APPROVED

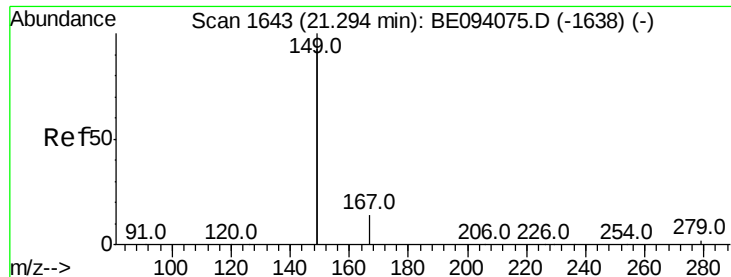
Sohil
9/25/2017 6:24:40 PM



#31
Chrysene
Concen: 2.062 ng
RT: 21.44 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.6	35.4
229	22.2	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.344 ng

RT: 21.28 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Instrument :

BNA_E

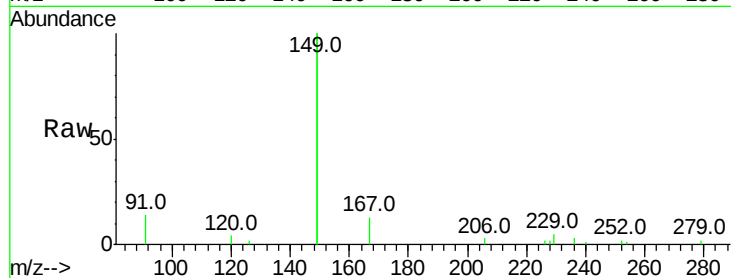
ClientSampleId :

LT-TS-004

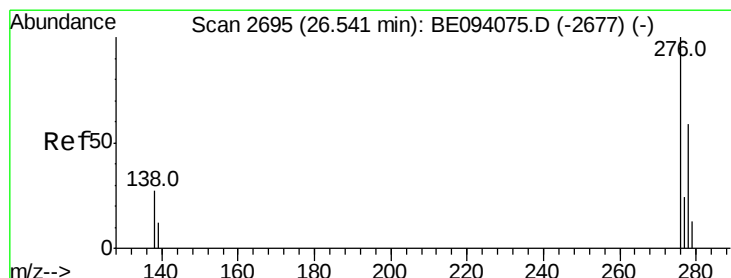
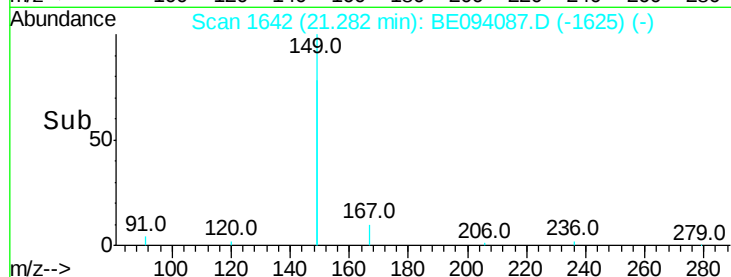
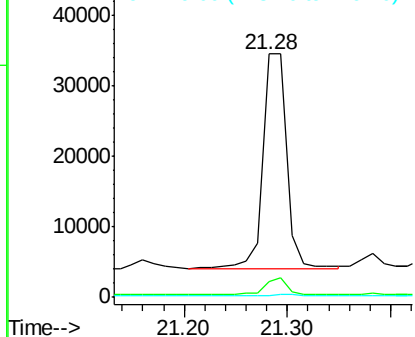
Tot Ion:	149	Resp:	48520
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.4	8.0
279	0.9	0.7	1.1

Manual Integrations
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9/25/2017 6:24:40 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.574 ng

RT: 26.54 min Scan# 2694

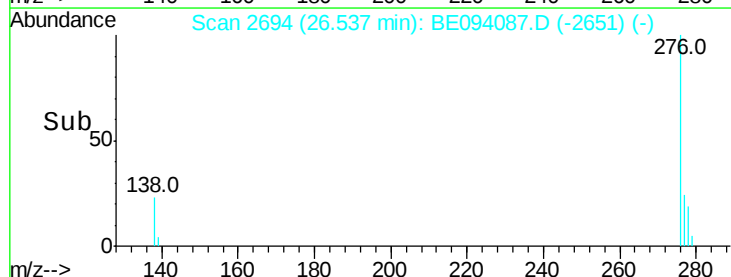
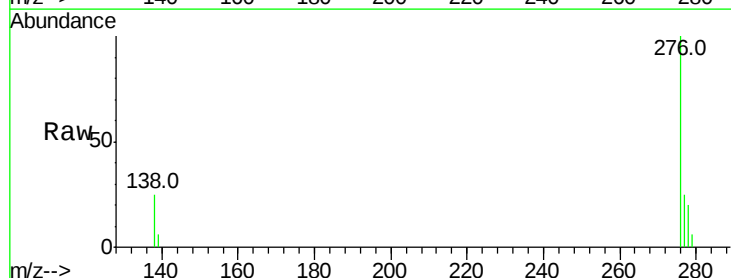
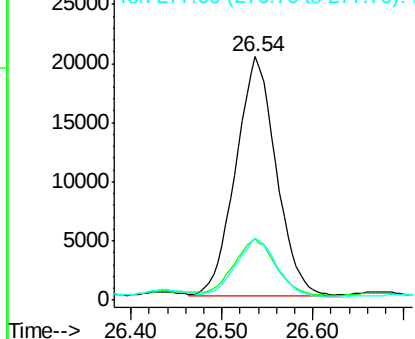
Delta R.T. -0.00 min

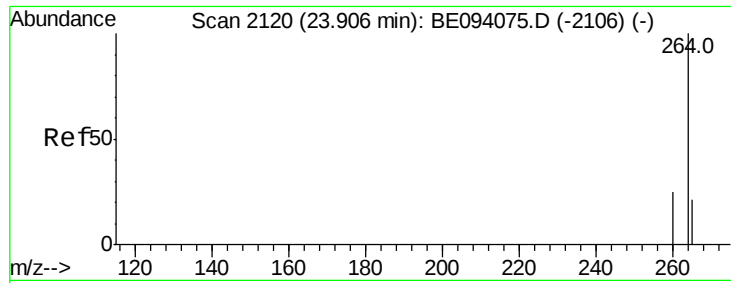
Lab File: BE094087.D

Acq: 23 Sep 2017 20:44

Tgt Ion:	276	Resp:	62532
Ion Ratio	Lower	Upper	
276	100		
138	24.2	22.5	33.7
277	24.6	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





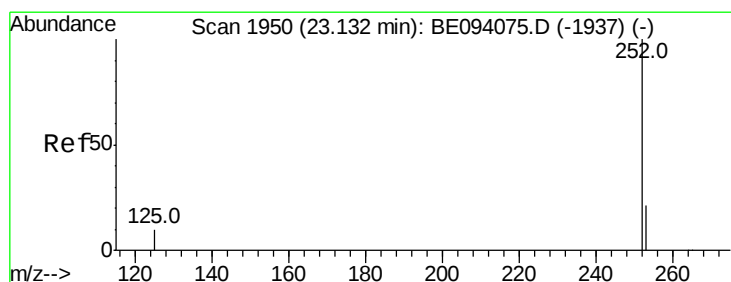
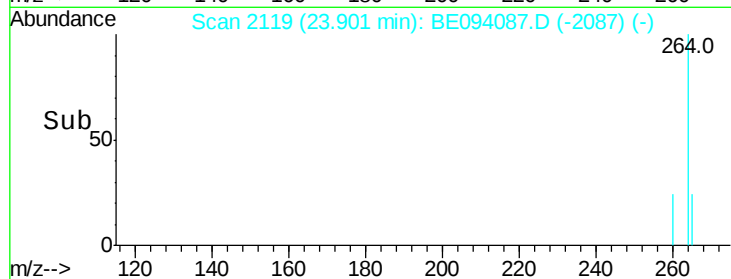
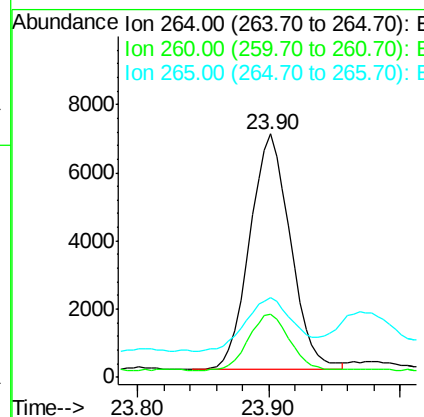
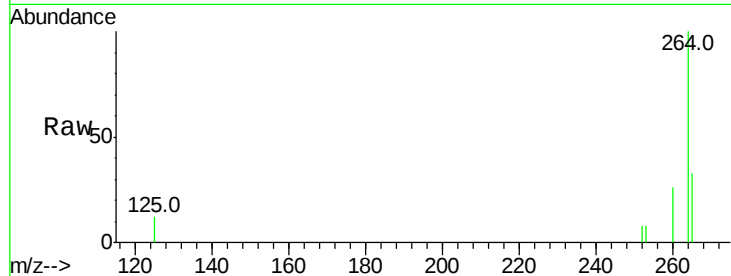
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2119
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Resp	Lower	Upper
264	100	14950		
260	26.1		20.5	30.7
265	32.5		22.8	34.2

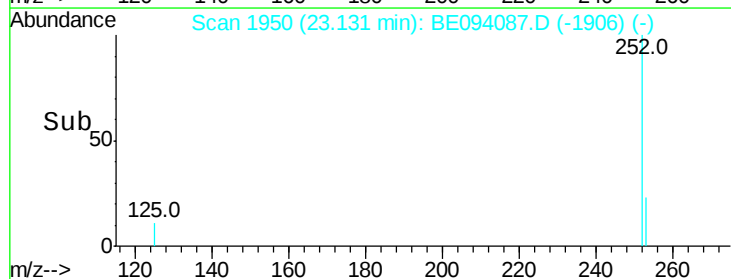
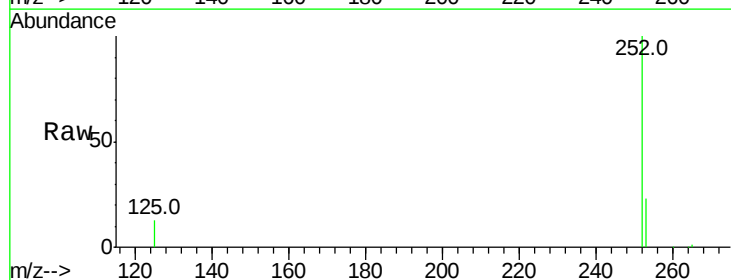
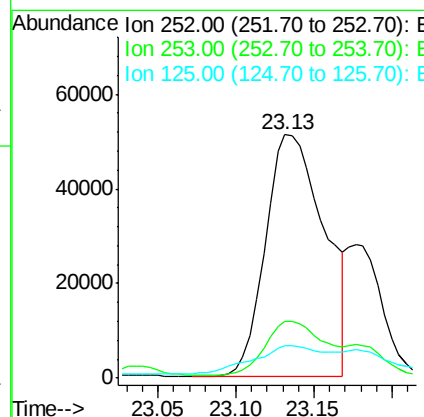
Manual Integrations
APPROVED

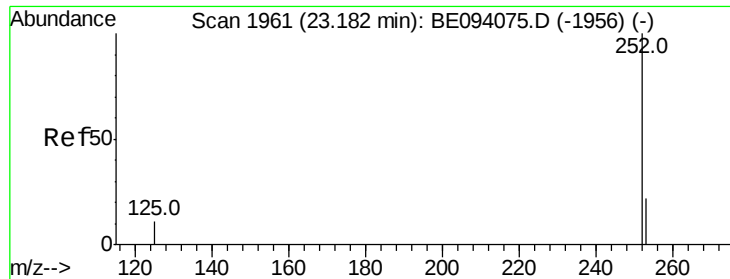
Sohil
9/25/2017 6:24:40 PM



#35
Benzo(b)fluoranthene
Concen: 2.471 ng
RT: 23.13 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	133713		
253	23.4		18.2	27.2
125	13.1		10.1	15.1





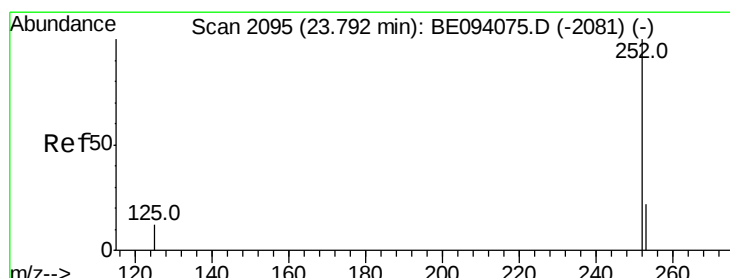
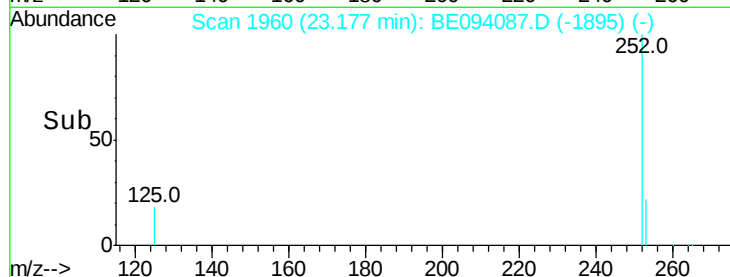
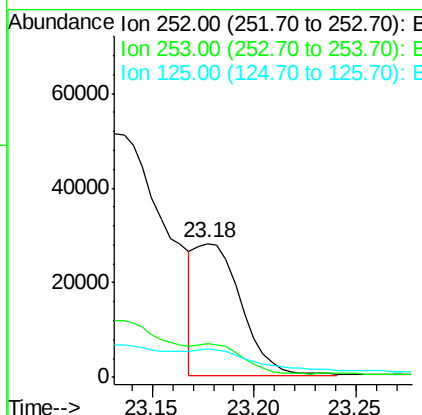
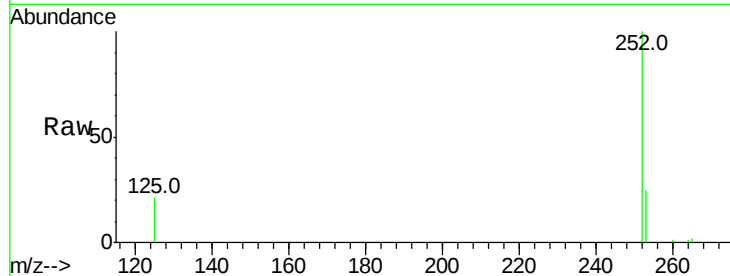
#36
Benzo(k)fluoranthene
Concen: 0.800 ng m
RT: 23.18 min Scan# 1960
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.6	27.8
125	20.9	10.7	16.1

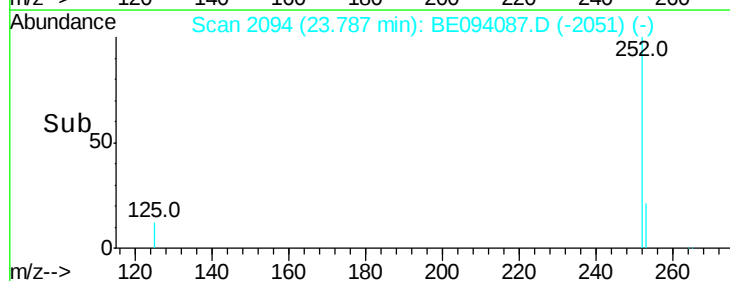
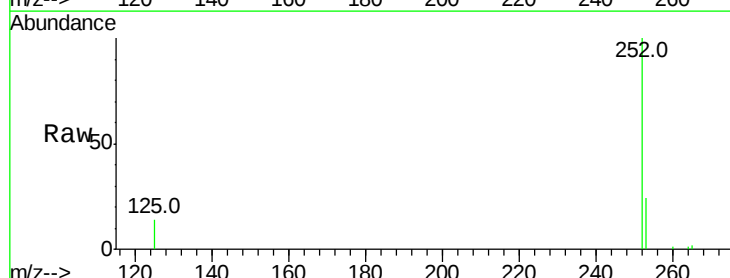
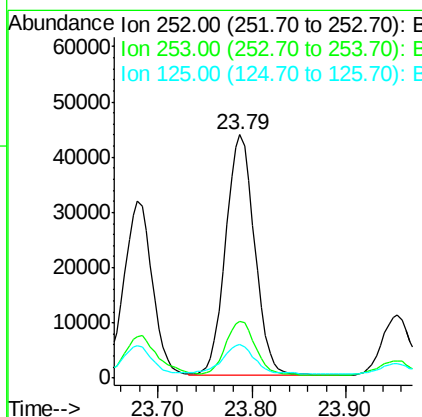
Manual Integrations
APPROVED

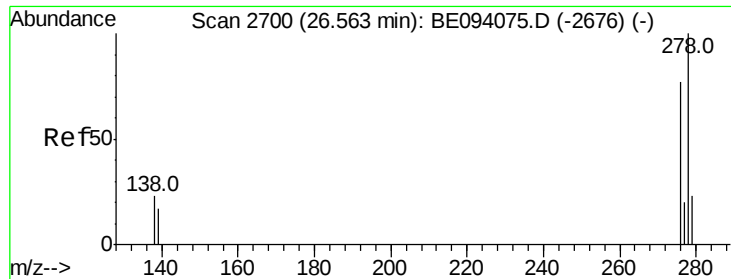
Sohil
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#37
Benzo(a)pyrene
Concen: 1.920 ng
RT: 23.79 min Scan# 2094
Delta R.T. -0.00 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	13.9	11.8	17.8





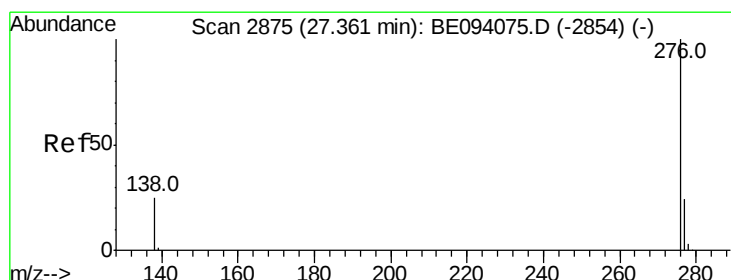
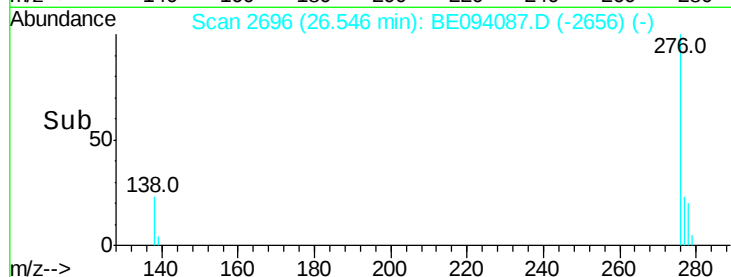
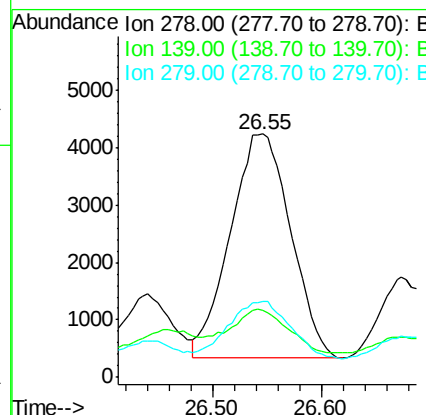
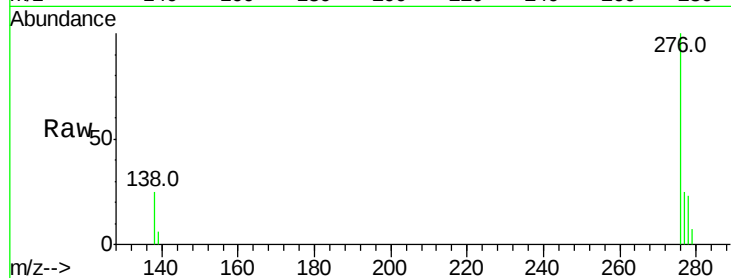
#38
Dibenzo(a,h)anthracene
Concen: 0.385 ng
RT: 26.55 min Scan# 2696
Delta R.T. -0.02 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Instrument :
BNA_E
ClientSampleId :
LT-TS-004

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.6	16.3	24.5#
279	31.1	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:24:40 PM



#39
Benzo(g,h,i)perylene
Concen: 1.642 ng
RT: 27.35 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE094087.D
Acq: 23 Sep 2017 20:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.8	31.2
138	25.8	21.5	32.3

