

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
 Data File : BE094088.D
 Acq On : 23 Sep 2017 21:20
 Operator : SJ/JU
 Sample : I5340-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-005

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:24:42 PM

Quant Time: Sep 25 13:23:04 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	1871	0.40	ng	0.00
7) Naphthalene-d8	10.69	136	11031	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	7345	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	23967	0.40	ng	0.00
27) Chrysene-d12	21.40	240	15314	0.40	ng	0.00
34) Perylene-d12	23.90	264	14070	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.50	112	2642	0.19	ng	0.00
5) Phenol-d6	7.09	99	3720	0.34	ng	0.00
8) Nitrobenzene-d5	9.05	82	2929	0.30	ng	-0.02
11) 2-Methylnaphthalene-d10	12.27	152	4721	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	1023	0.18	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	6368	0.26	ng	0.00
25) Fluoranthene-d10	19.26	212	47345	0.15	ng	0.00
29) Terphenyl-d14	19.84	244	6490	0.27	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.74	128	8160	0.058	ng	# 97
12) 2-Methylnaphthalene	12.34	142	969	0.043	ng	# 92
16) Acenaphthylene	14.23	152	7747	0.210	ng	99
17) Acenaphthene	14.57	154	1601	0.065	ng	95
18) Fluorene	15.55	166	3074	0.084	ng	88
23) Phenanthrene	17.27	178	91209	1.062	ng	98
24) Anthracene	17.37	178	11519	0.174	ng	# 93
26) Fluoranthene	19.29	202	162271	1.762	ng	99
28) Pyrene	19.65	202	154859	3.655	ng	# 95
30) Benzo(a)anthracene	21.38	228	64476	1.257	ng	98
31) Chrysene	21.44	228	72684	1.446	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	33591	0.244	ng	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	40716	1.048	ng	96
35) Benzo(b)fluoranthene	23.14	252	88044	1.729	ng	97
36) Benzo(k)fluoranthene	23.18	252	29169m	0.571	ng	
37) Benzo(a)pyrene	23.79	252	60444	1.322	ng	100
38) Dibenzo(a,h)anthracene	26.55	278	10299	0.281	ng	# 83
39) Benzo(a,h,i)perylene	27.36	276	41307	1.129	ng	99

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

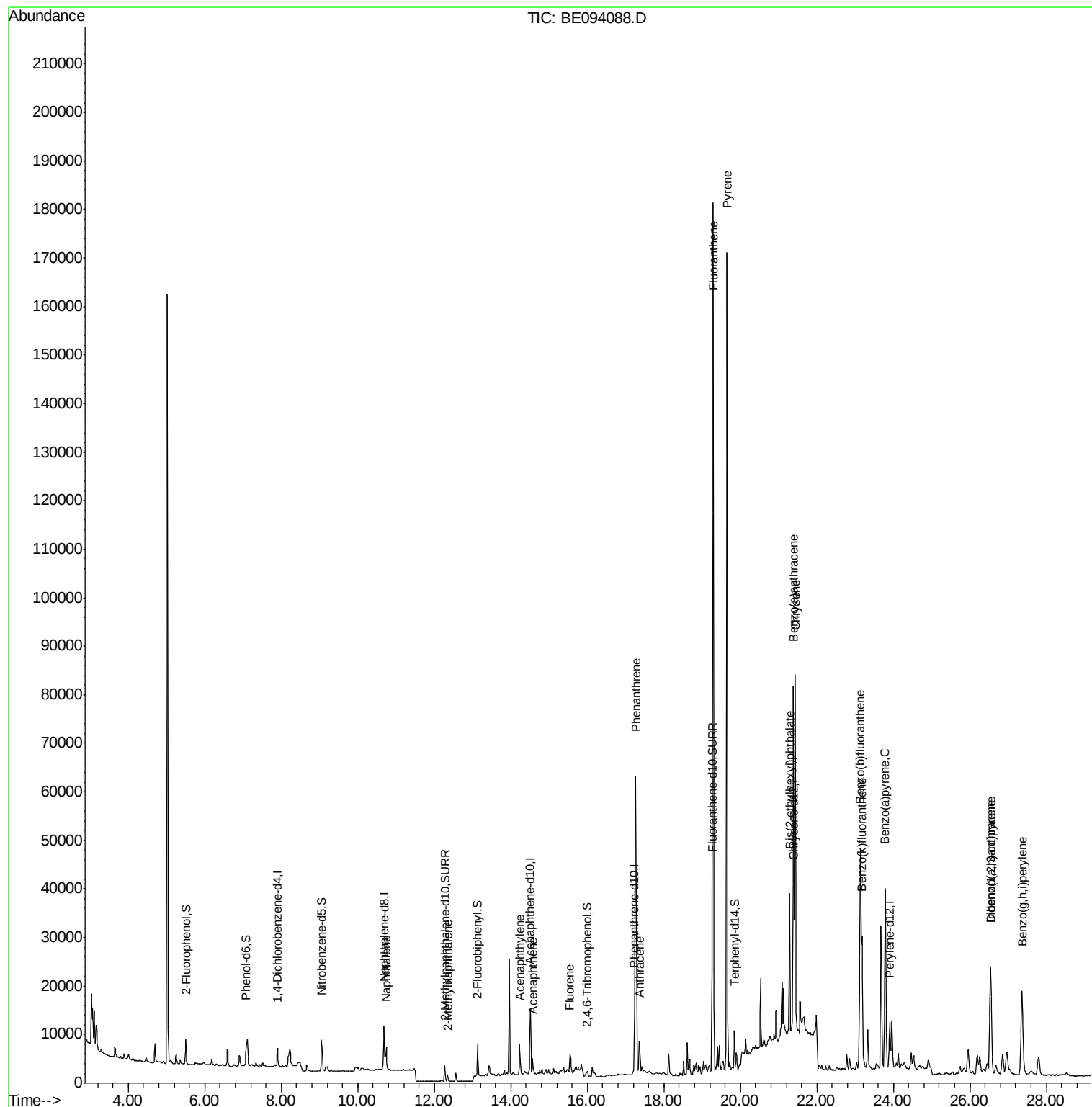
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094088.D
Acq On : 23 Sep 2017 21:20
Operator : SJ/JU
Sample : I5340-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

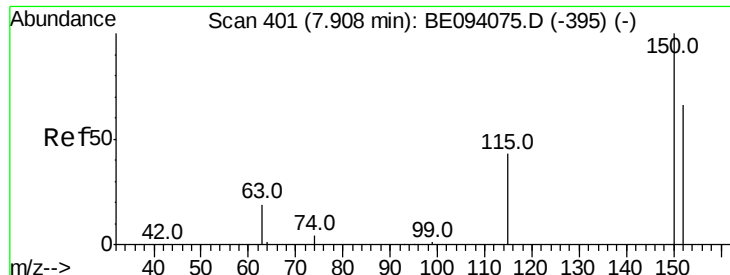
Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Quant Time: Sep 25 13:23:04 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

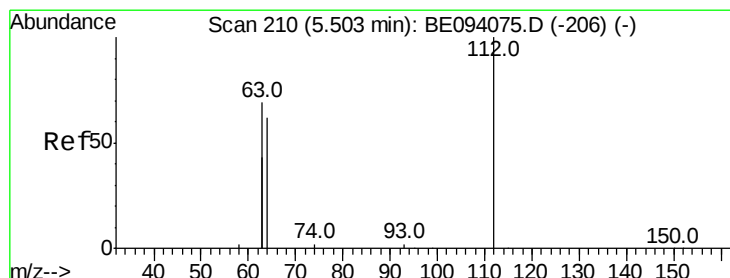
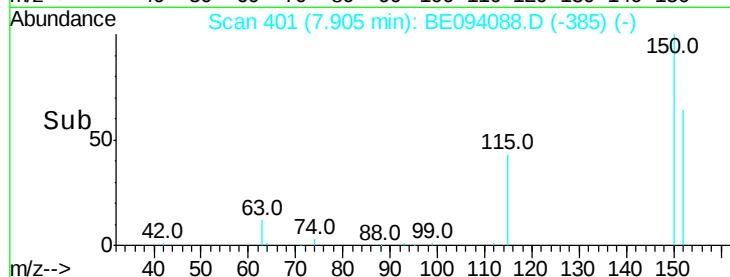
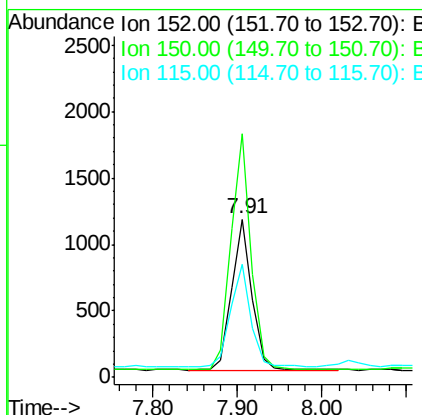
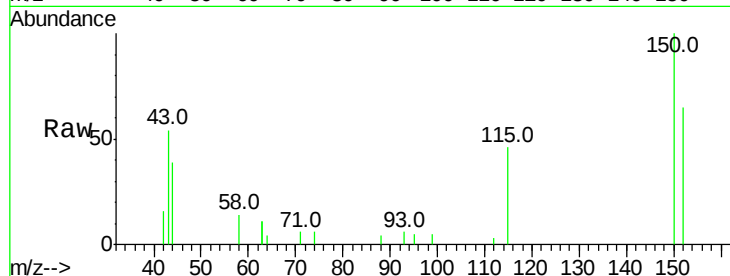
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampled :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	117.2	175.8
115	71.5	57.0	85.6

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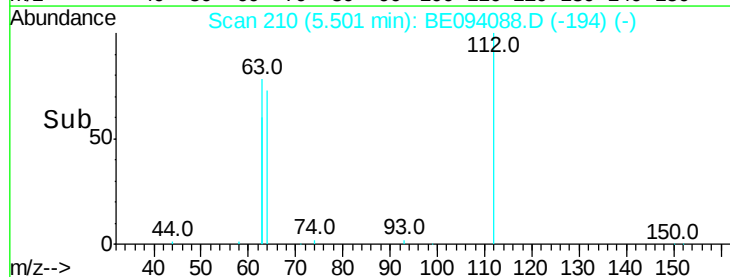
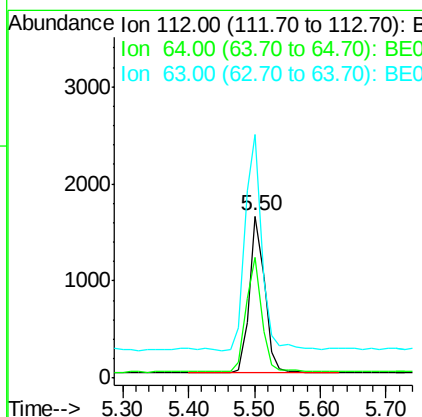
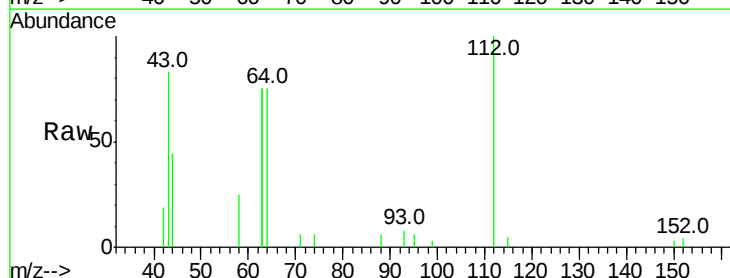
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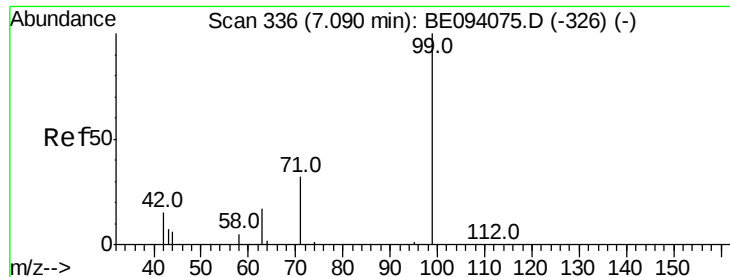


#4

2-Fluorophenol
Concen: 0.188 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.7	60.1	90.1
63	148.5	116.8	175.2





#5

Phenol-d6

Concen: 0.336 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA_E

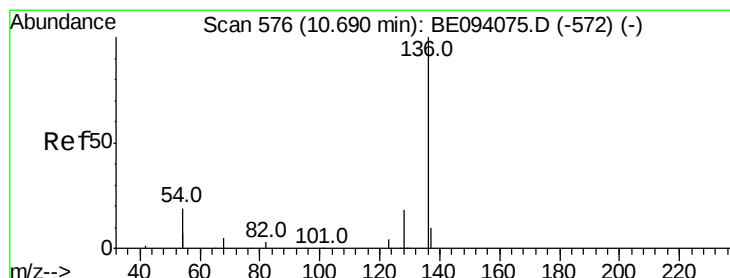
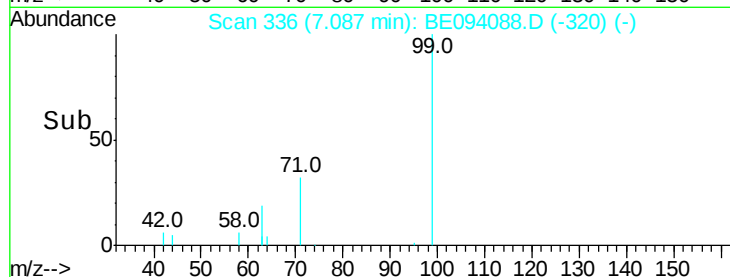
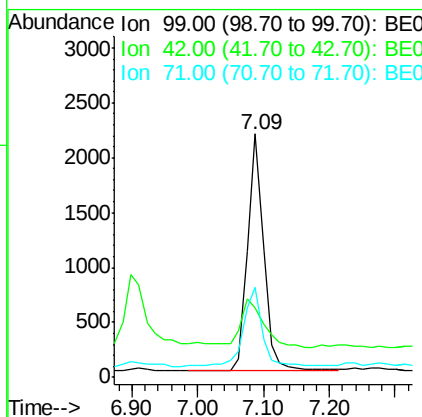
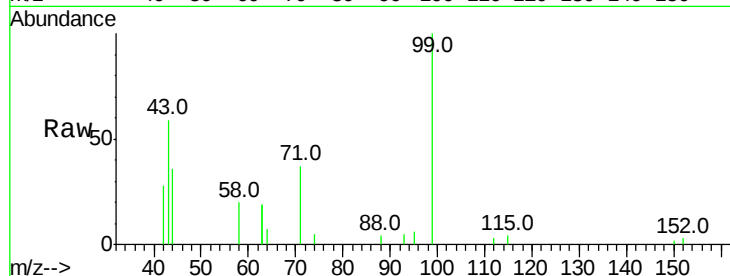
ClientSampled :

LT-TS-005

Tot Ion:	99	Resp:	3720
Ion	Ratio	Lower	Upper
99	100		
42	28.1	20.2	30.2
71	38.7	28.4	42.6

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

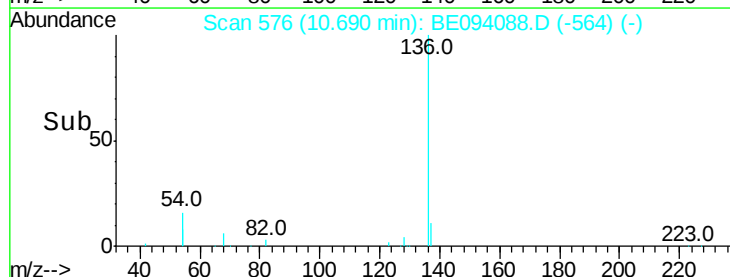
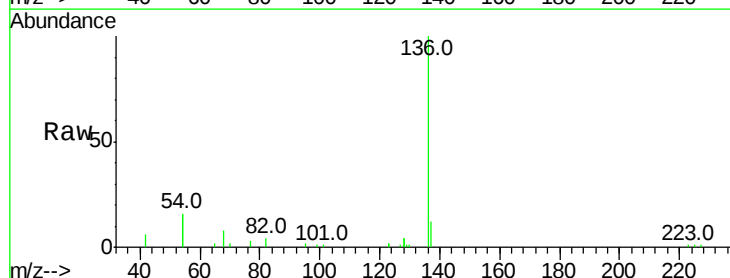
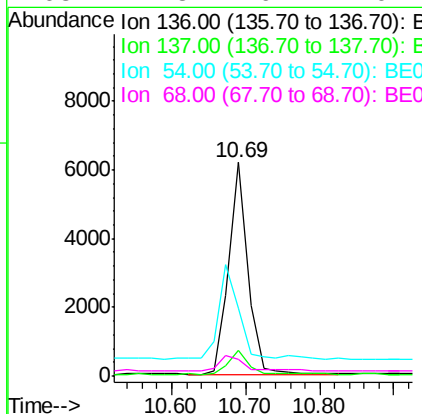
RT: 10.69 min Scan# 576

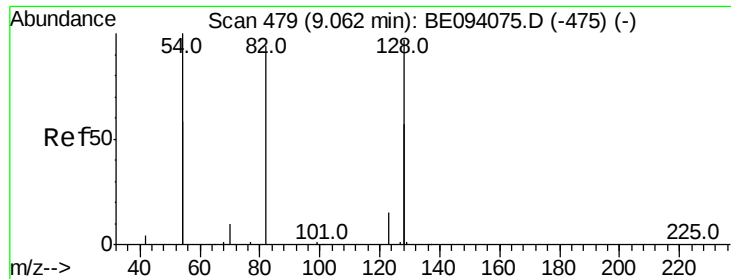
Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Tgt Ion:	136	Resp:	11031
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	32.0	29.1	43.7
68	7.8	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.299 ng

RT: 9.05 min Scan# 478

Delta R.T. -0.02 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

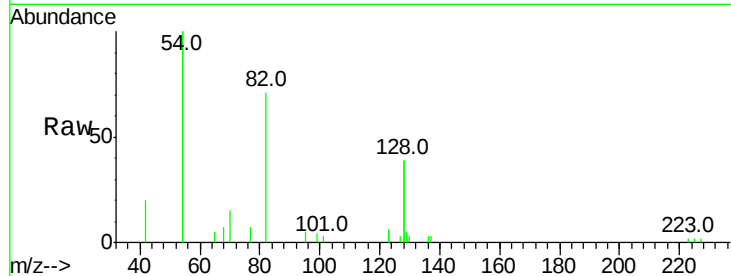
LT-TS-005

Tot Ion:	82	Resp:	2929
Ion	Ratio	Lower	Upper
82	100		
128	111.3	150.0	225.0#
54	282.2	154.2	231.4#

Manual Integrations
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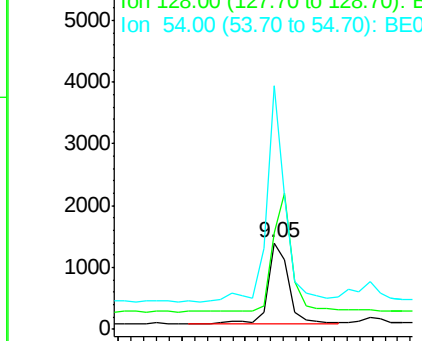
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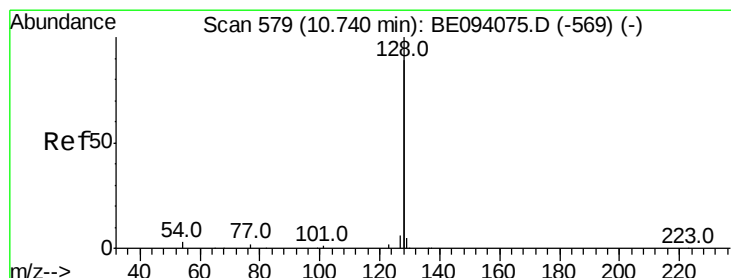
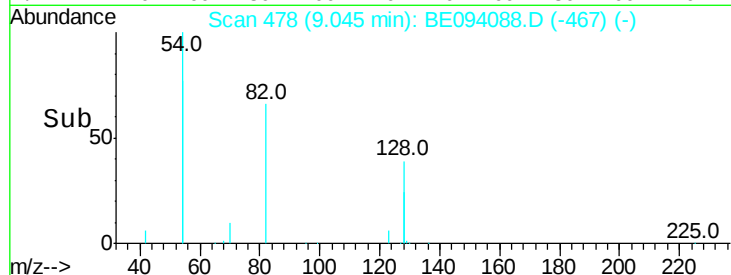
Abundance Ion 82.00 (81.70 to 82.70): BE094088.D (-467) (-)

Ion 128.00 (127.70 to 128.70): BE094088.D (-467) (-)

Ion 54.00 (53.70 to 54.70): BE094088.D (-467) (-)



Time--> 8.80 8.90 9.00 9.10 9.20



#9

Naphthalene

Concen: 0.058 ng

RT: 10.74 min Scan# 579

Delta R.T. 0.00 min

Lab File: BE094088.D

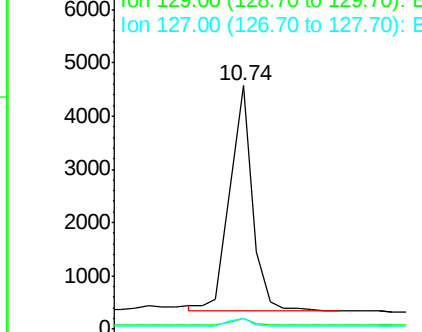
Acq: 23 Sep 2017 21:20

Tgt Ion:	128	Resp:	8160
Ion	Ratio	Lower	Upper
128	100		
129	4.4	2.6	3.8#
127	4.4	2.8	4.2#

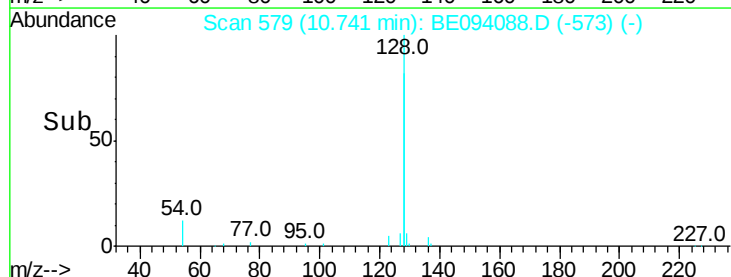
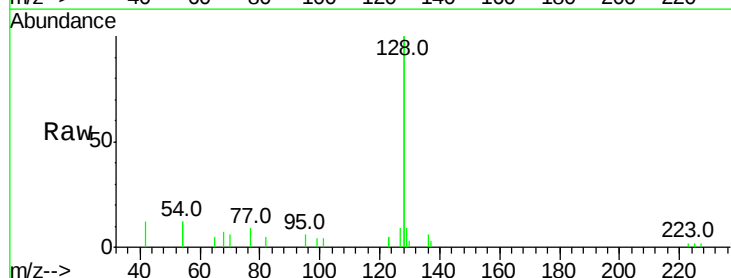
Abundance Ion 128.00 (127.70 to 128.70): BE094088.D (-573) (-)

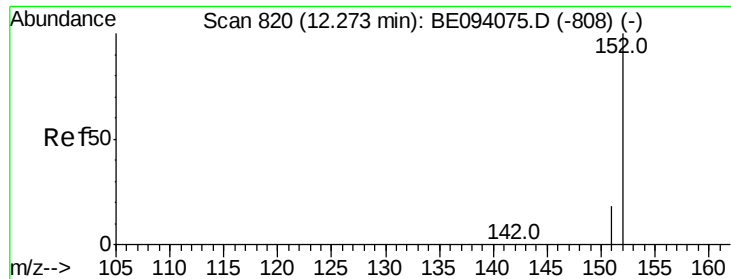
Ion 129.00 (128.70 to 129.70): BE094088.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE094088.D (-573) (-)



Time--> 10.60 10.70 10.80 10.90





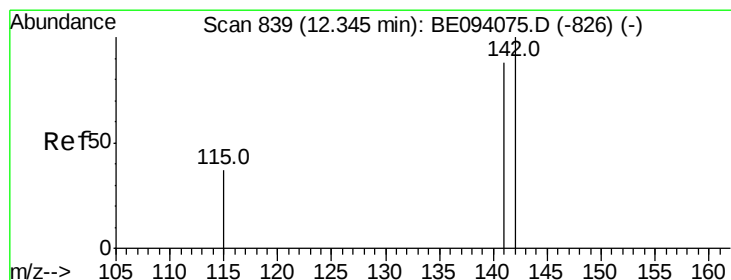
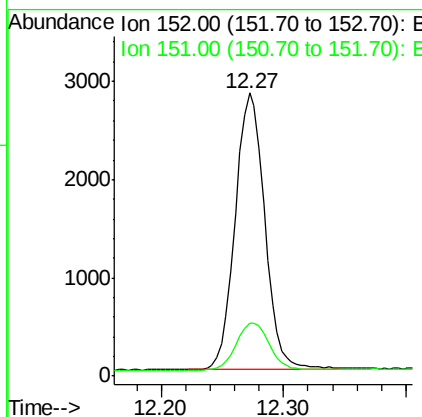
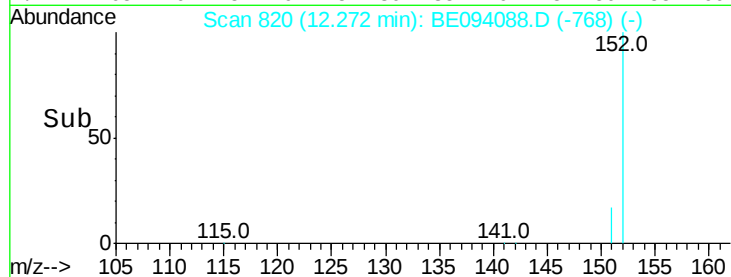
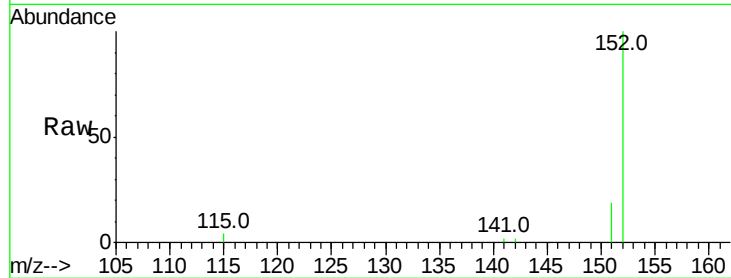
#11
 2-Methylnaphthalene-d10
 Concen: 0.253 ng
 RT: 12.27 min Scan# 820
 Delta R.T. -0.00 min
 Lab File: BE094088.D
 Acq: 23 Sep 2017 21:20

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-005

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

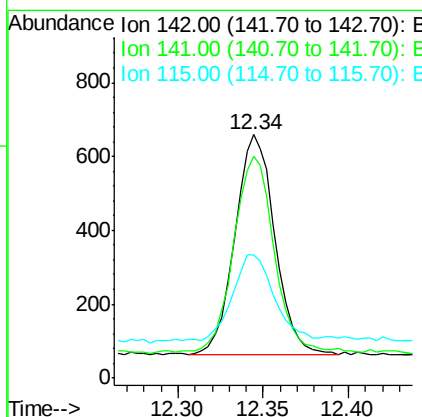
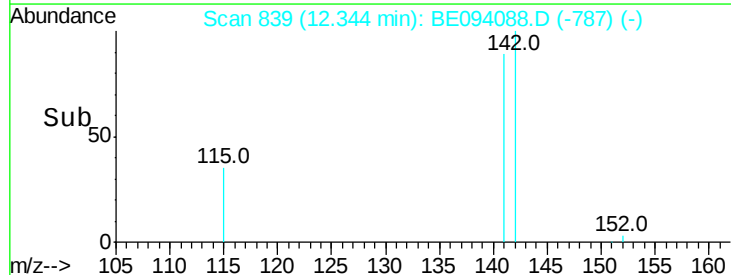
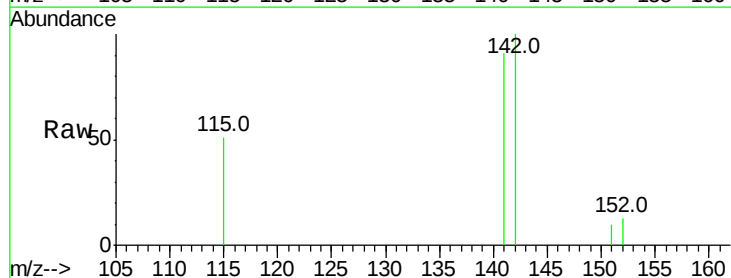
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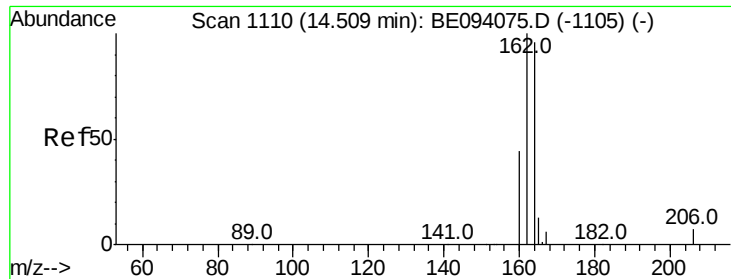
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#12
 2-Methylnaphthalene
 Concen: 0.043 ng
 RT: 12.34 min Scan# 839
 Delta R.T. -0.00 min
 Lab File: BE094088.D
 Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.4	105.6
115	50.5	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: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA_E

ClientSampleId :

LT-TS-005

Tot Ion:164 Resp: 7345

Ion Ratio Lower Upper

164 100

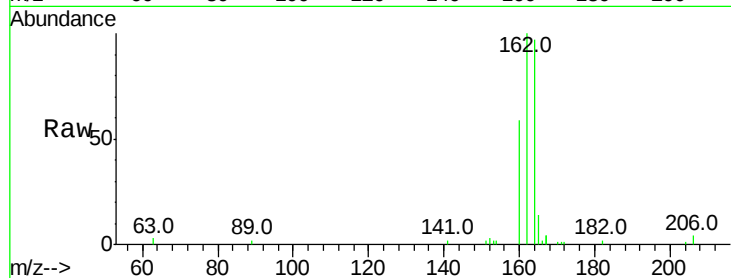
162 102.6 83.1 124.7

160 60.6 37.1 55.7#

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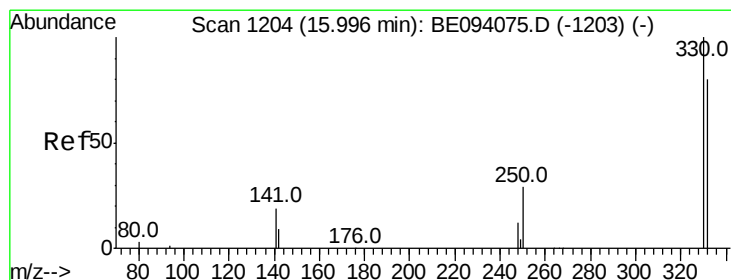
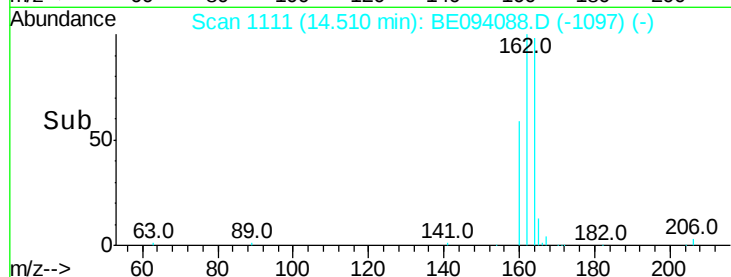
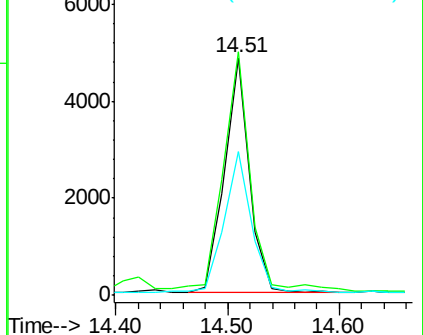
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.184 ng

RT: 16.00 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

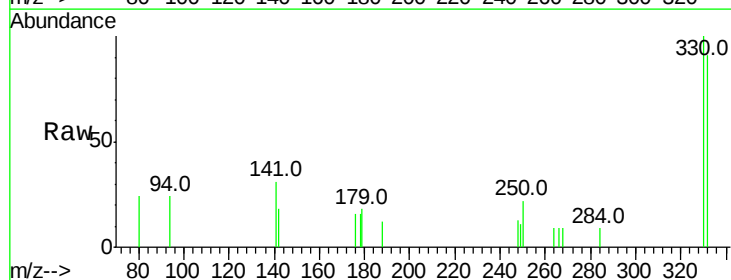
Tgt Ion:330 Resp: 1023

Ion Ratio Lower Upper

330 100

332 91.2 152.7 229.1#

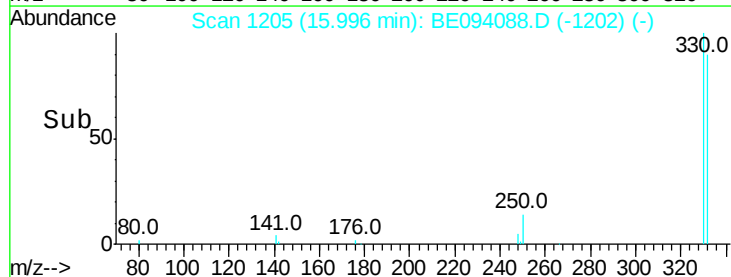
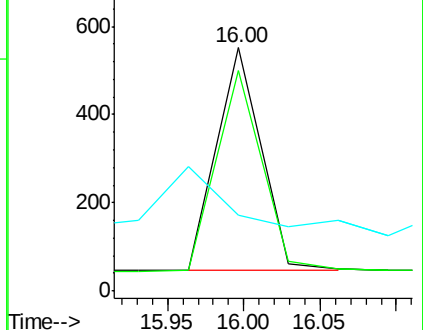
141 0.0 33.7 50.5#

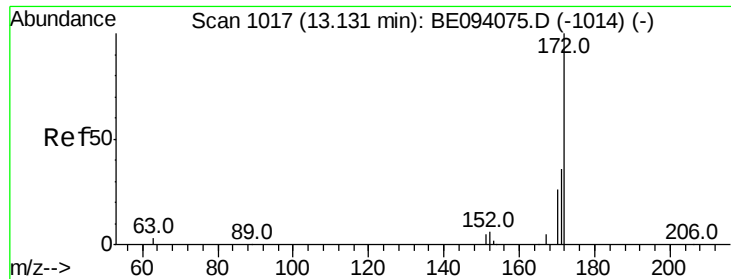


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





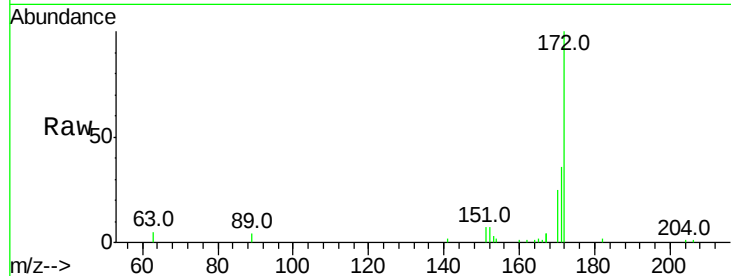
#15
2-Fluorobiphenyl
Concen: 0.264 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampled :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.8	21.8	32.8

Manual Integrations
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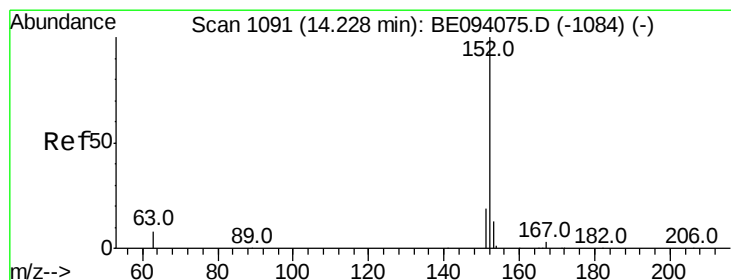
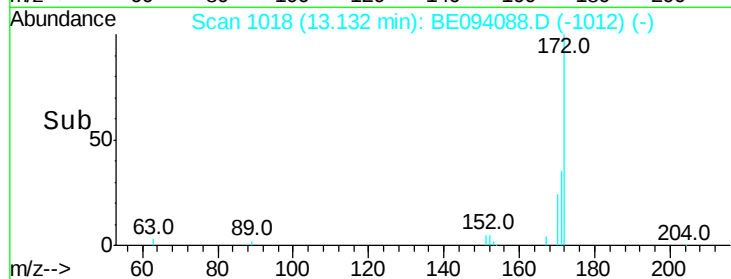
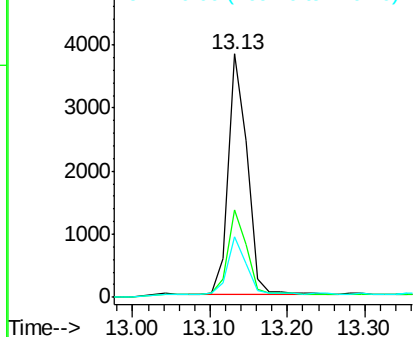


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.210 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

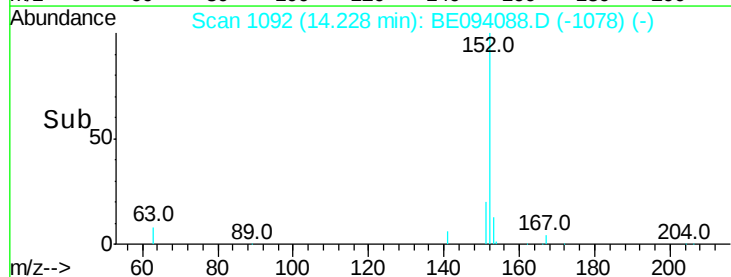
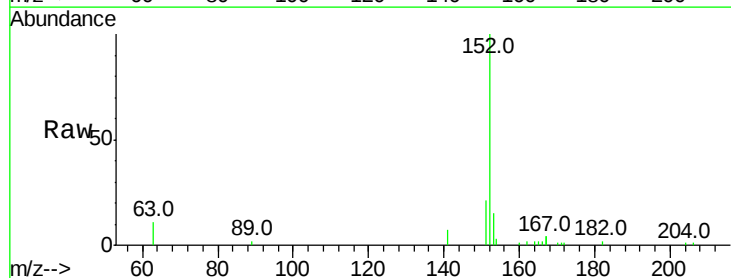
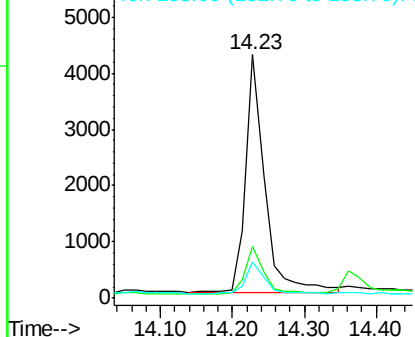
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.5	15.7

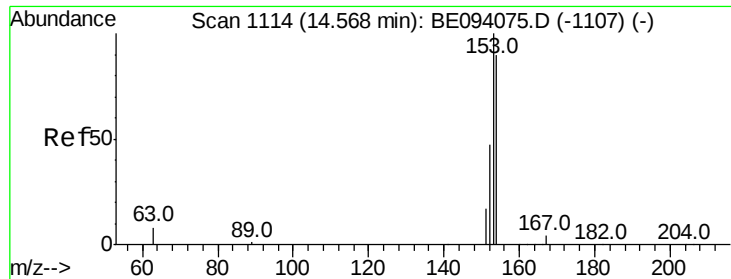
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





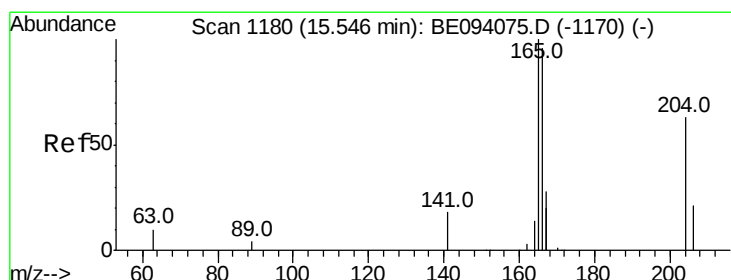
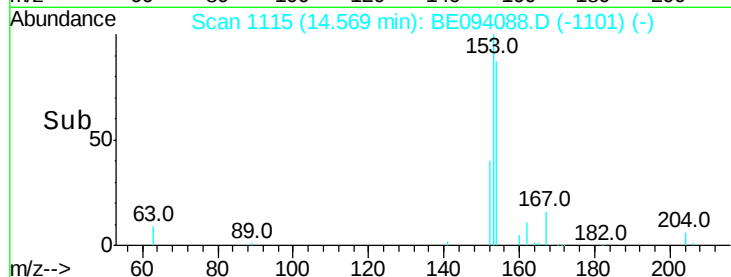
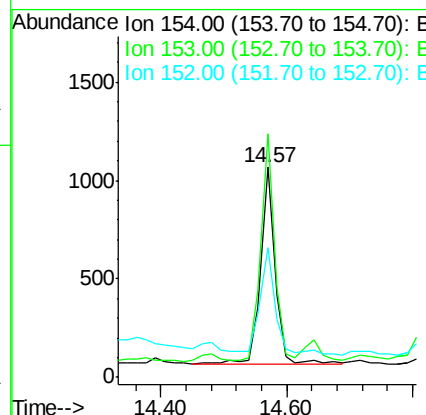
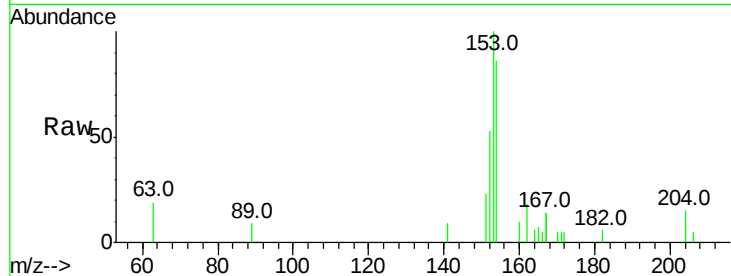
#17
Acenaphthene
Concen: 0.065 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
154	100		
153	108.3	89.2	133.8
152	58.7	42.0	63.0

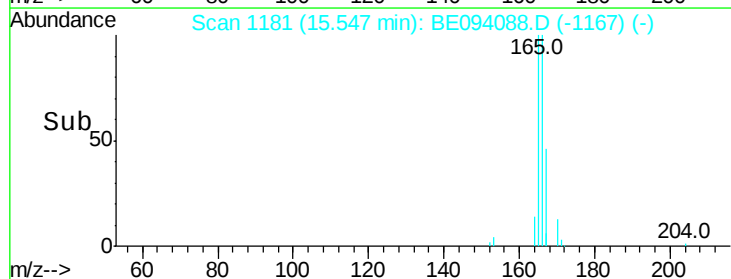
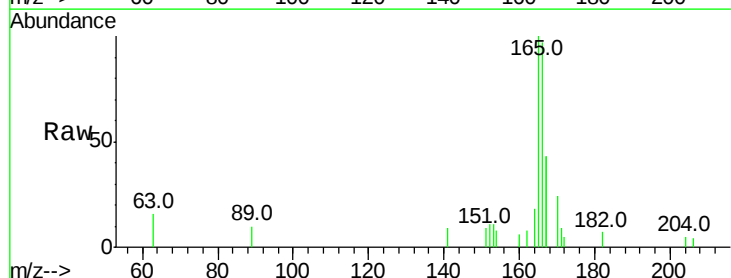
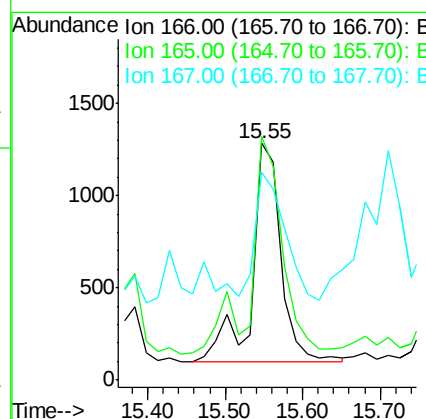
Manual Integrations
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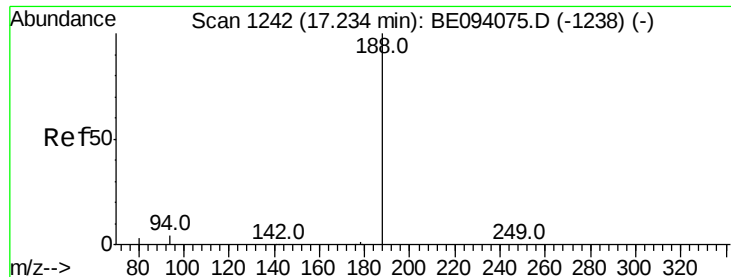
Sohil
9/25/2017 6:24:42 PM



#18
Fluorene
Concen: 0.084 ng
RT: 15.55 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.2	77.8	116.6
167	60.3	42.4	63.6





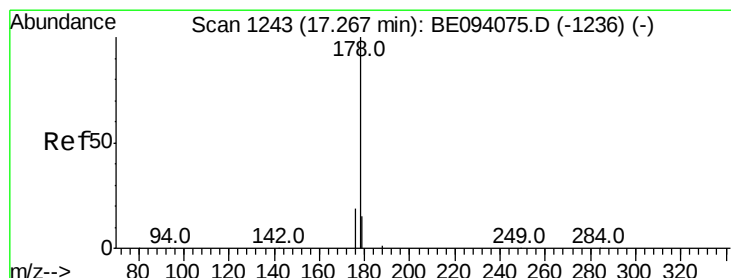
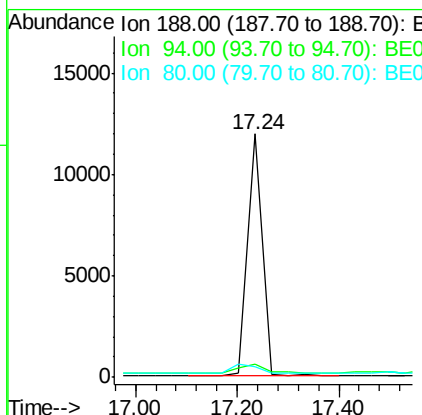
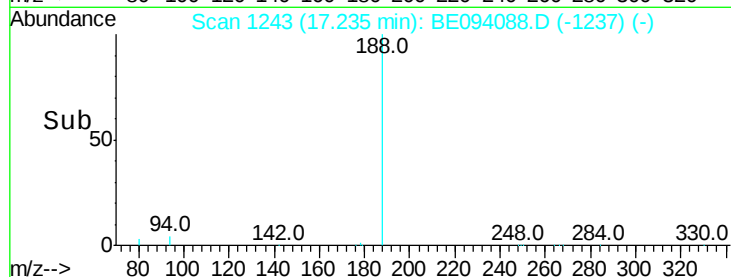
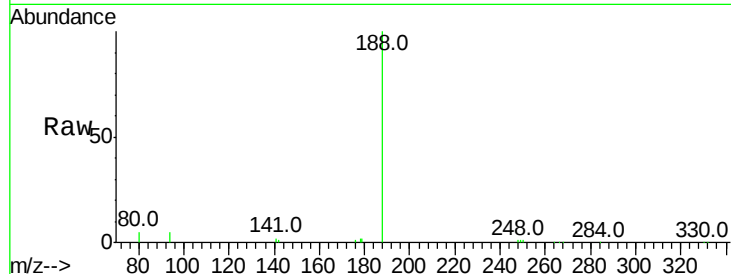
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Resp	Lower	Upper
188	100	23967		
94	5.2		3.9	5.9
80	4.6		3.6	5.4

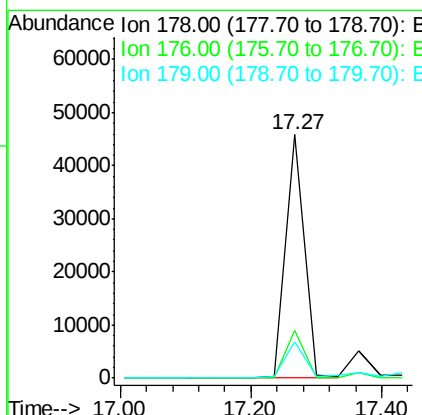
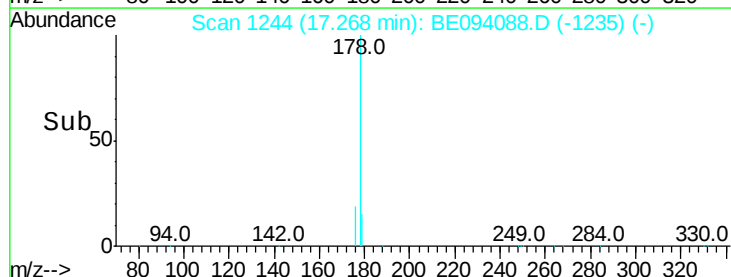
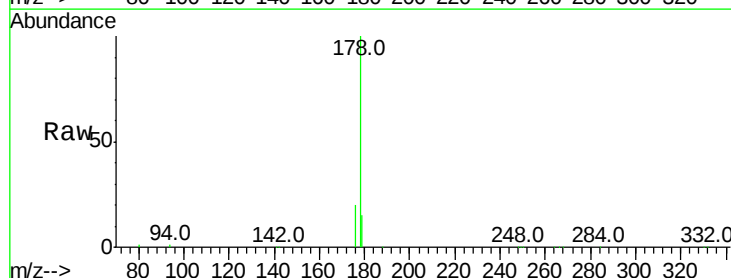
Manual Integrations
APPROVED

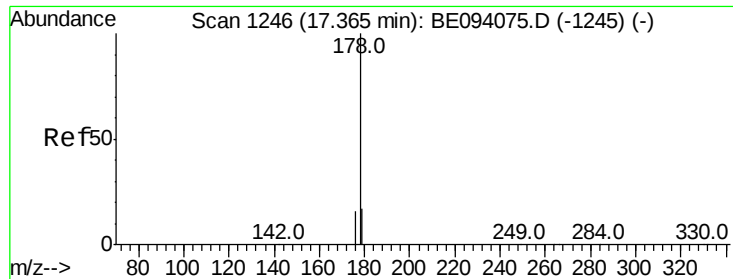
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#23
Phenanthrene
Concen: 1.062 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	91209		
176	19.5		15.1	22.7
179	15.7		11.8	17.6





#24

Anthracene

Concen: 0.174 ng

RT: 17.37 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA_E

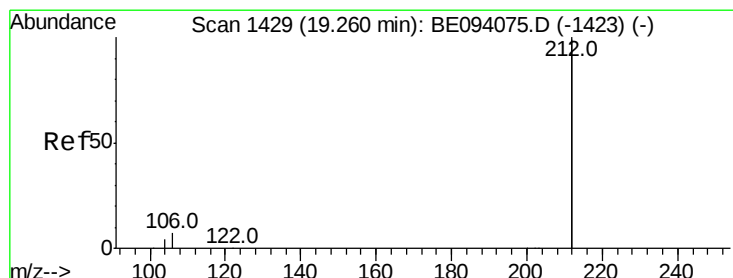
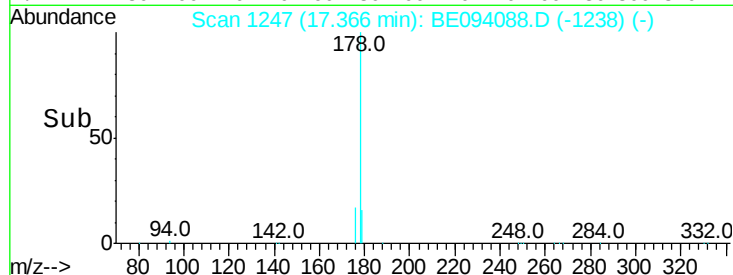
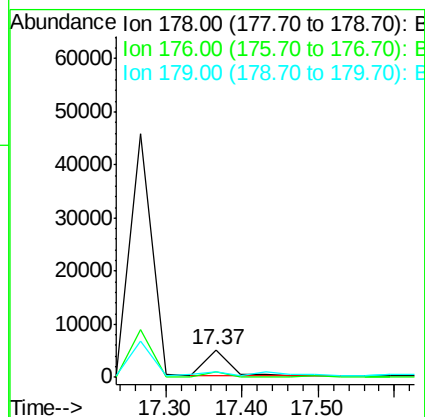
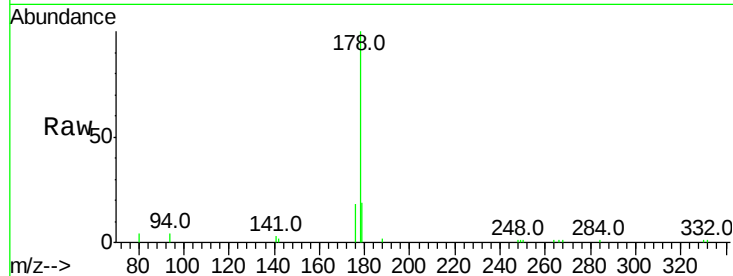
ClientSampleId :

LT-TS-005

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.8	19.2
179	11.7	13.0	19.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.154 ng

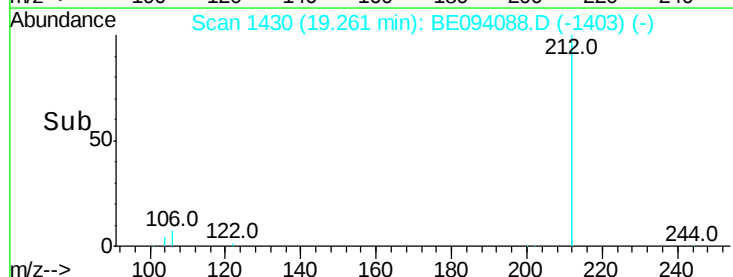
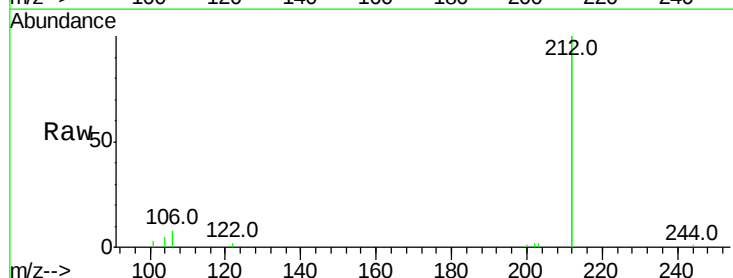
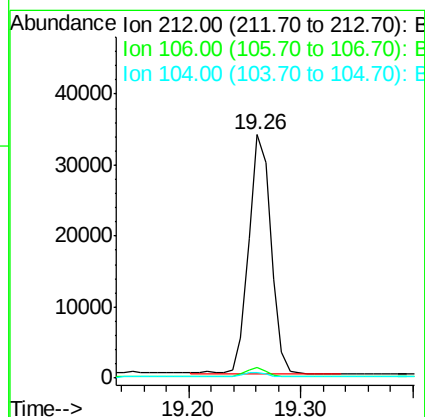
RT: 19.26 min Scan# 1430

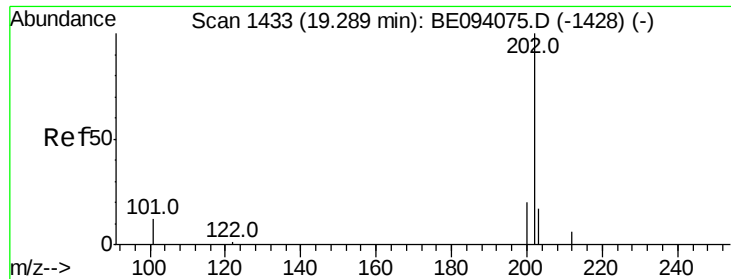
Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.1	2.8	4.2
104	2.3	1.6	2.4





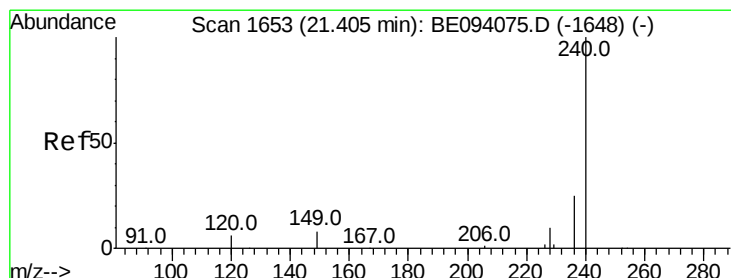
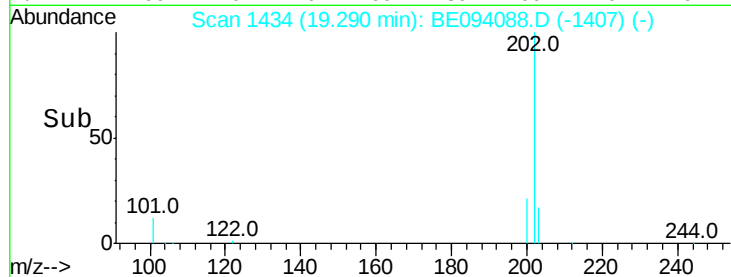
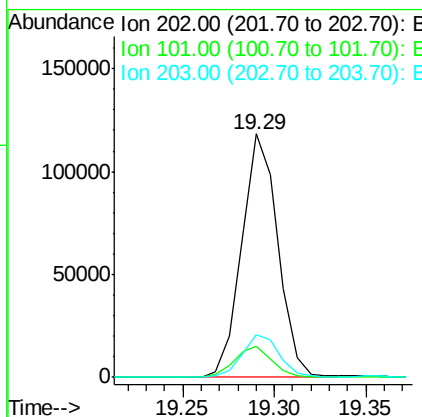
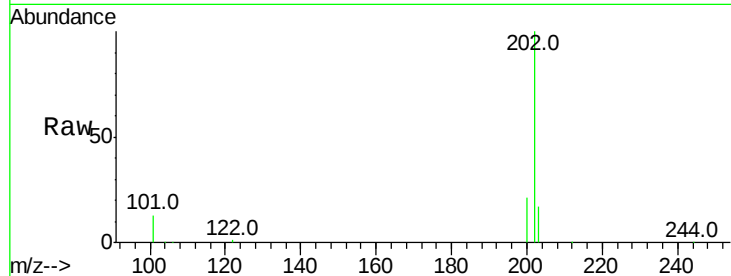
#26
Fluoranthene
 Concen: 1.762 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: BE094088.D
 Acq: 23 Sep 2017 21:20

Instrument :
 BNA_E
 ClientSampleId :
 LT-TS-005

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	9.8	14.8
203	17.5	13.7	20.5

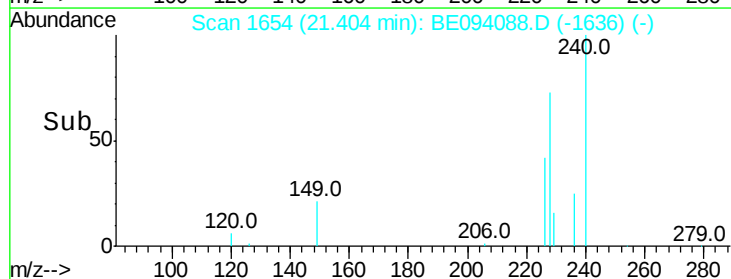
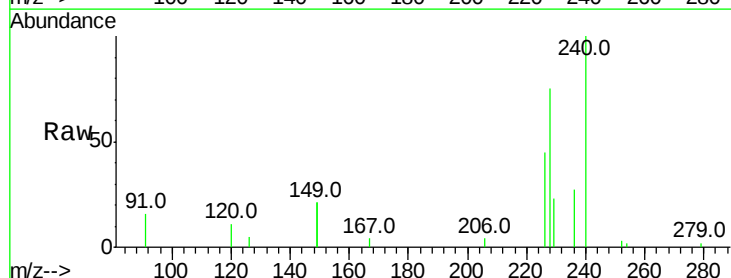
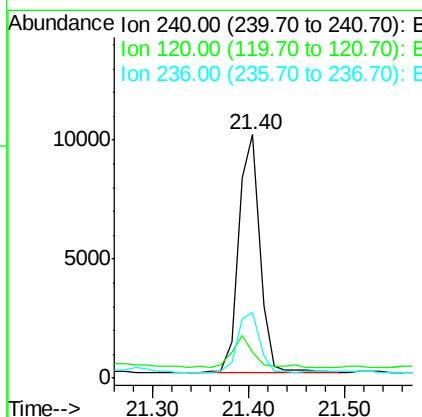
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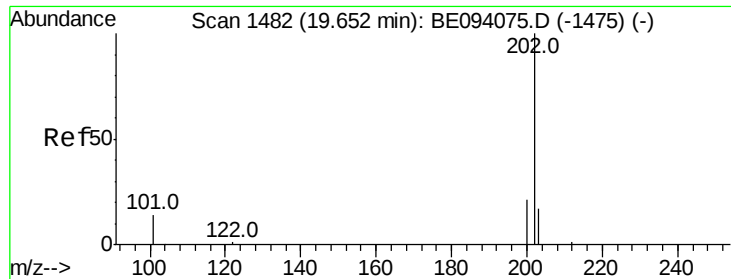
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: BE094088.D
 Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	5.5	8.3#
236	27.2	20.7	31.1





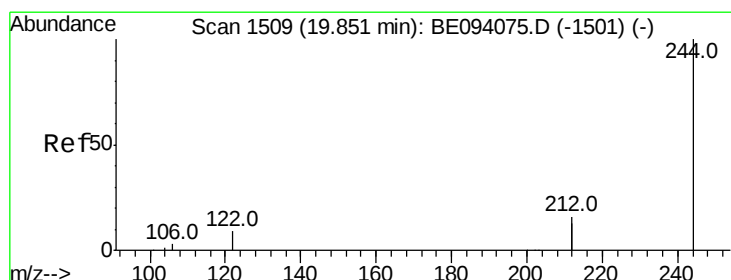
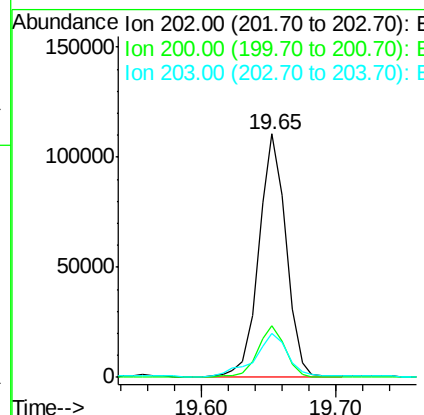
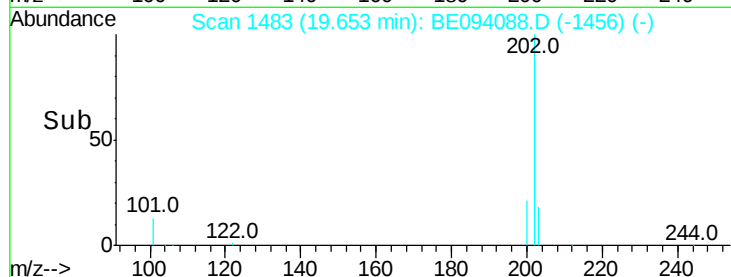
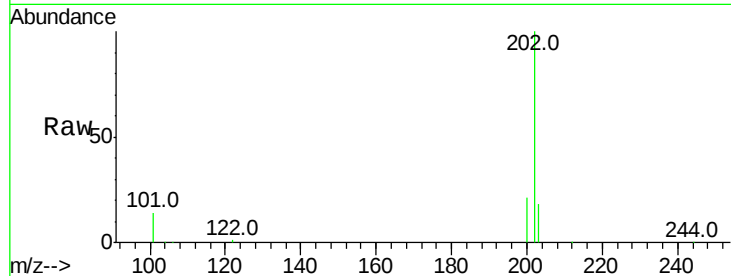
#28
Pvrene
Concen: 3.655 ng
RT: 19.65 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampled :
LT-TS-005

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	16.6	25.0
203	21.5	13.8	20.8

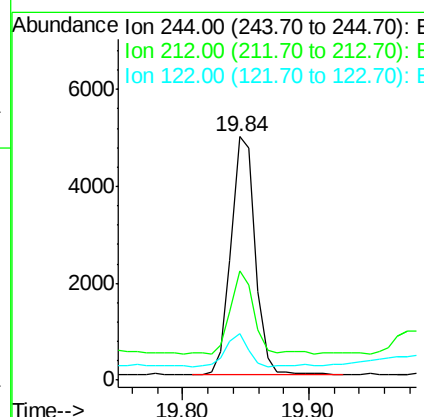
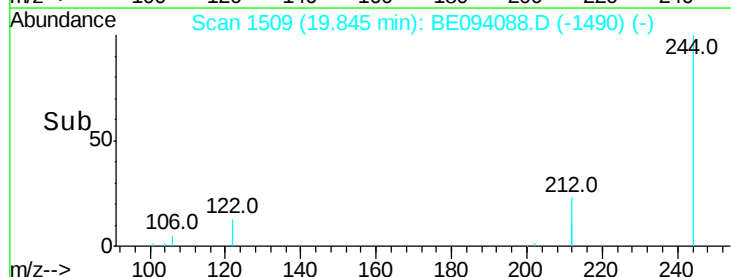
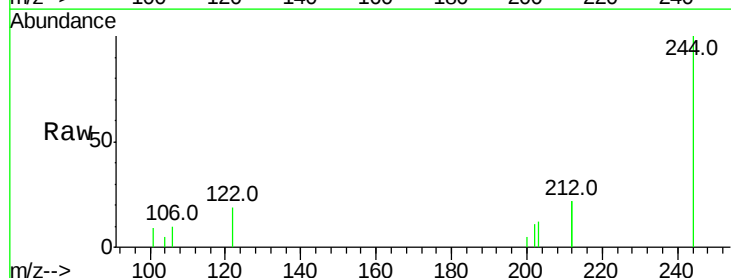
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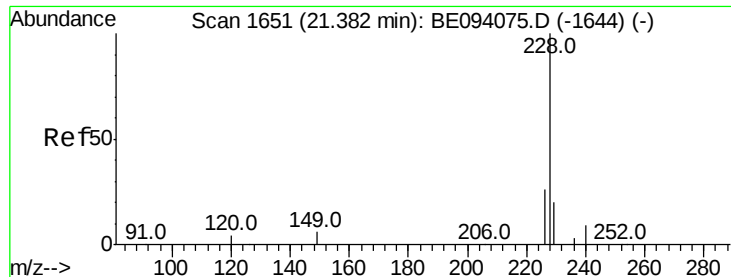
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#29
Terphenyl-d14
Concen: 0.270 ng
RT: 19.84 min Scan# 1509
Delta R.T. -0.01 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	44.8	25.4	38.0
122	18.9	8.1	12.1





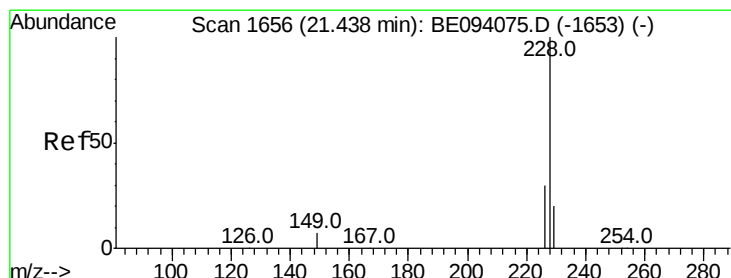
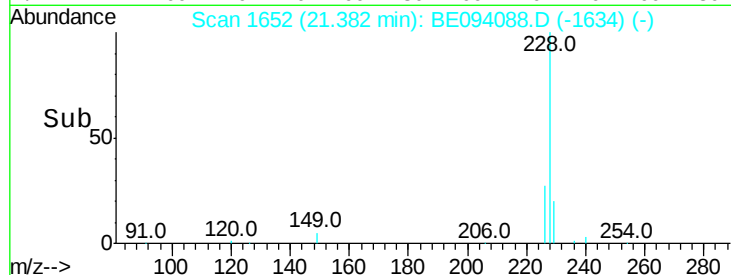
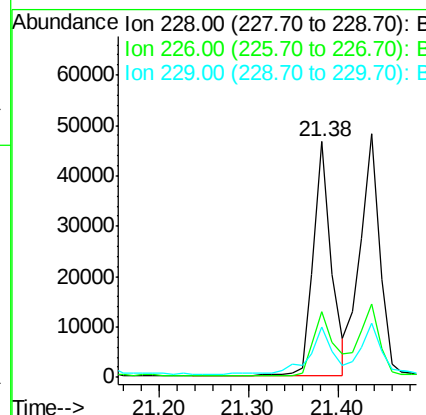
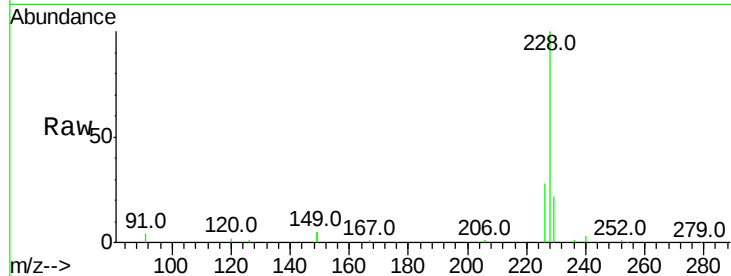
#30
Benzo(a)anthracene
Concen: 1.257 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.4	32.0
229	21.6	16.4	24.6

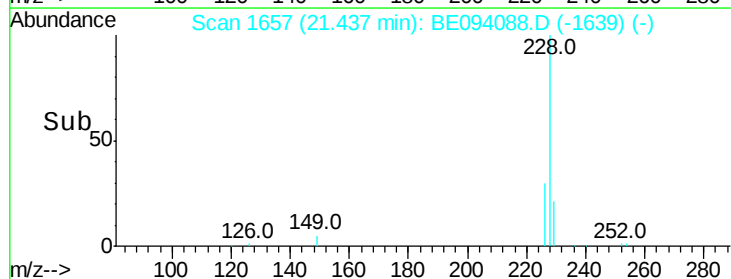
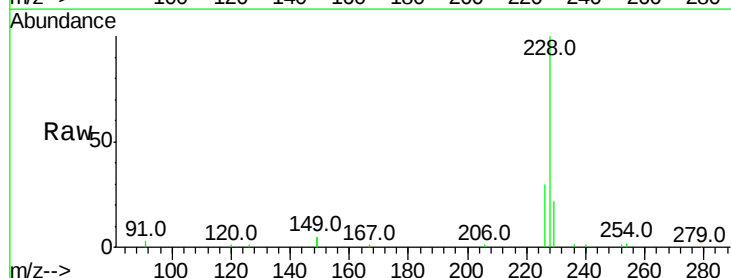
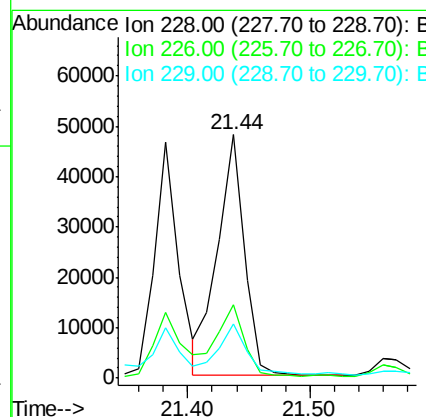
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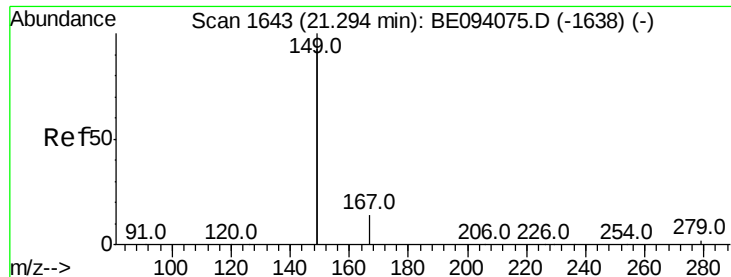
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#31
Chrysene
Concen: 1.446 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.2	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.244 ng

RT: 21.29 min Scan# 1644

Delta R.T. -0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Instrument :

BNA_E

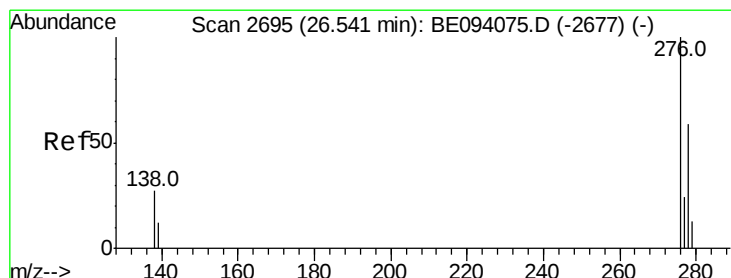
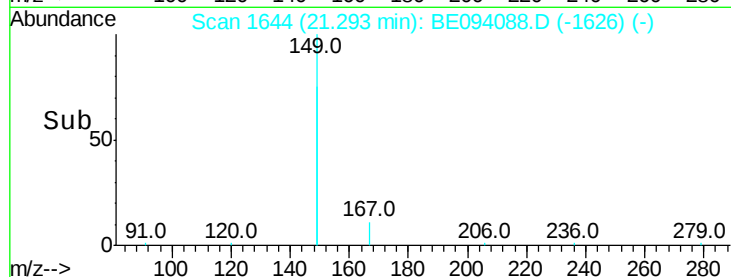
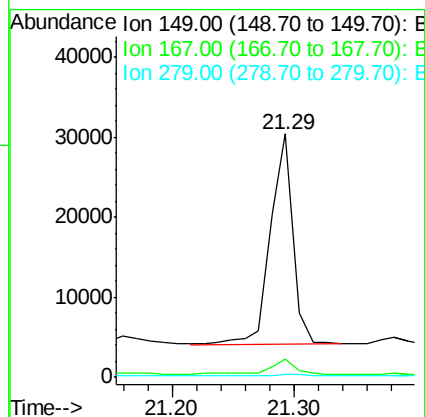
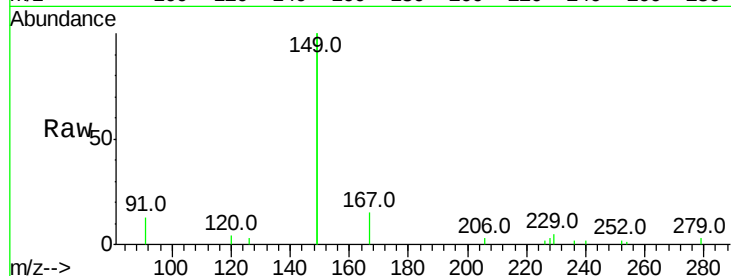
ClientSampleId :

LT-TS-005

Tot Ion:	149	Resp:	33591
Ion Ratio	Lower	Upper	
149	100		
167	7.4	5.4	8.0
279	1.0	0.7	1.1

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.048 ng

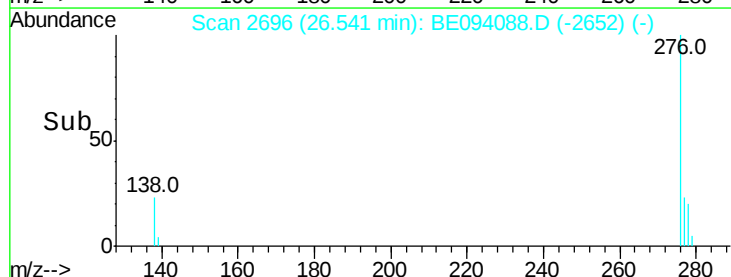
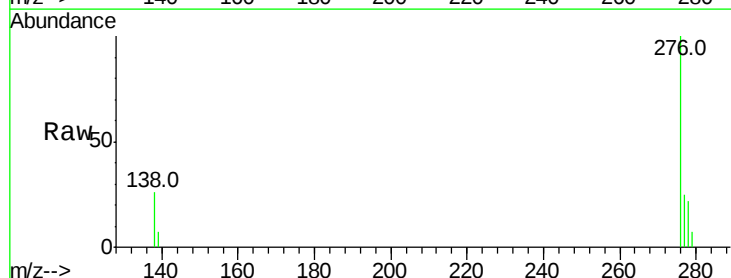
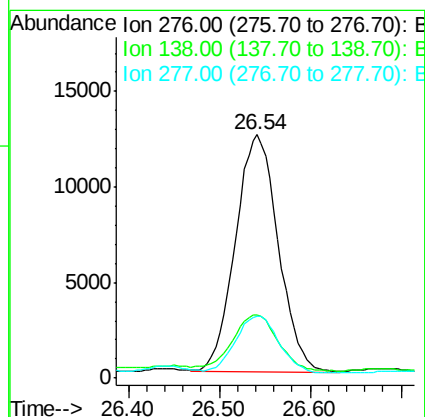
RT: 26.54 min Scan# 2696

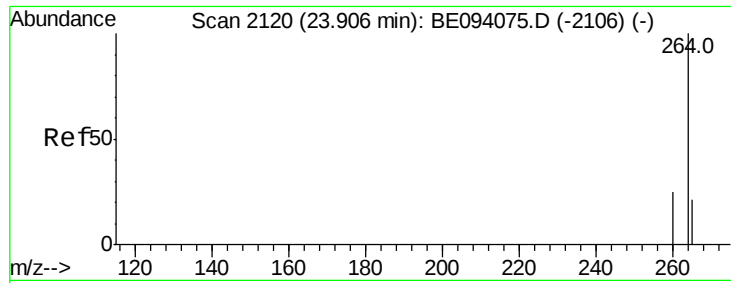
Delta R.T. 0.00 min

Lab File: BE094088.D

Acq: 23 Sep 2017 21:20

Tgt Ion:	276	Resp:	40716
Ion Ratio	Lower	Upper	
276	100		
138	25.0	22.5	33.7
277	24.5	19.9	29.9





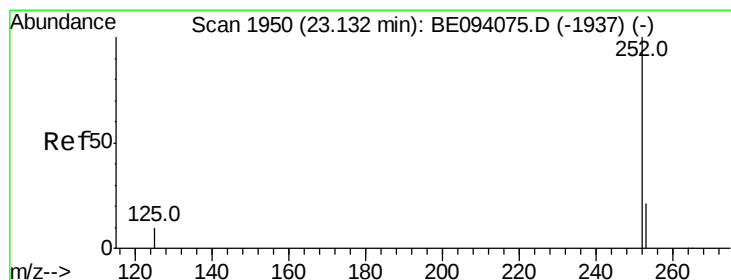
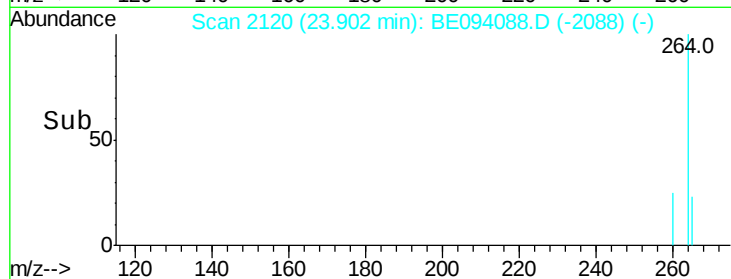
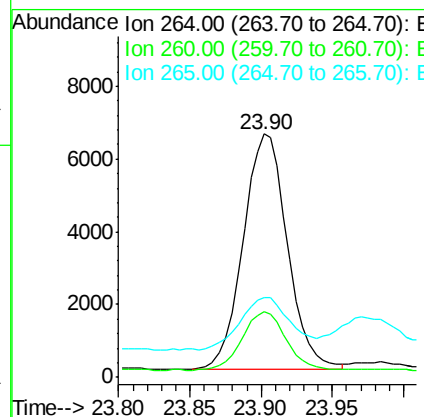
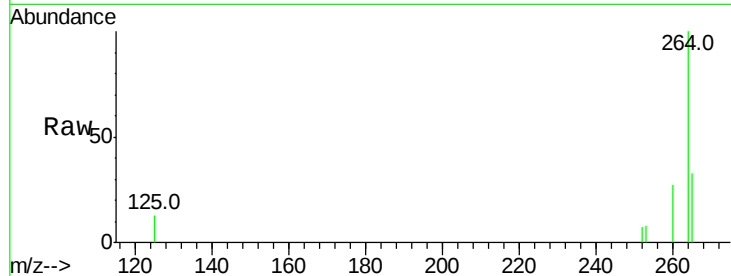
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.5	30.7
265	32.7	22.8	34.2

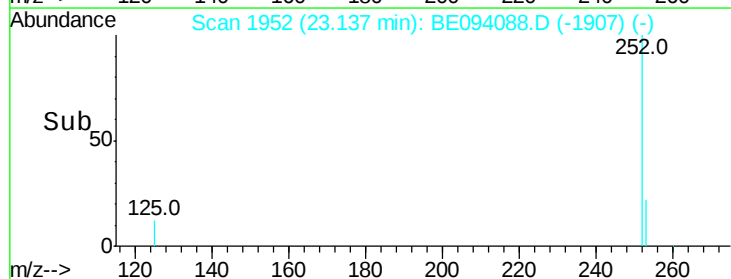
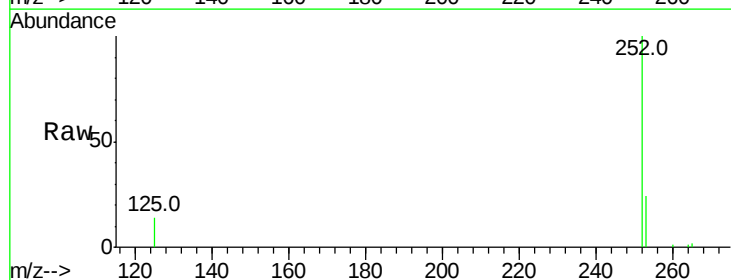
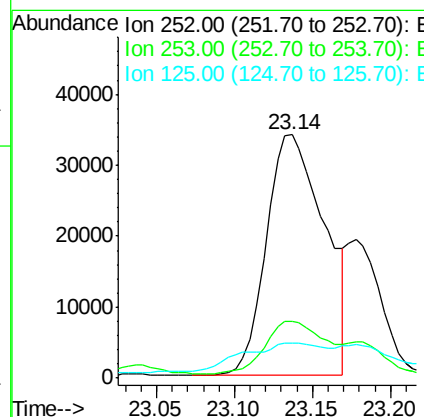
Manual Integrations
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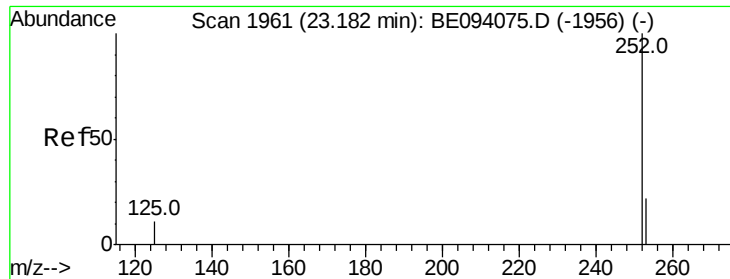
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#35
Benzo(b)fluoranthene
Concen: 1.729 ng
RT: 23.14 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	14.4	10.1	15.1





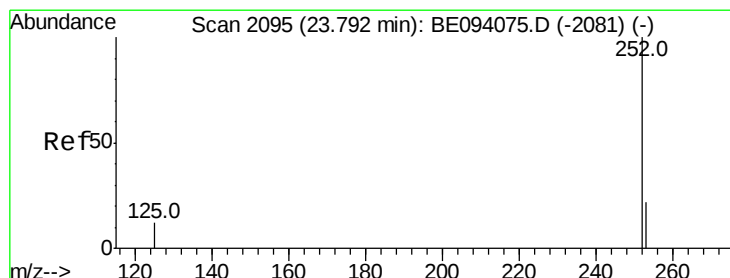
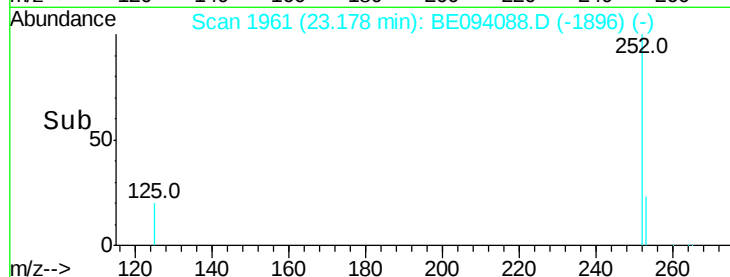
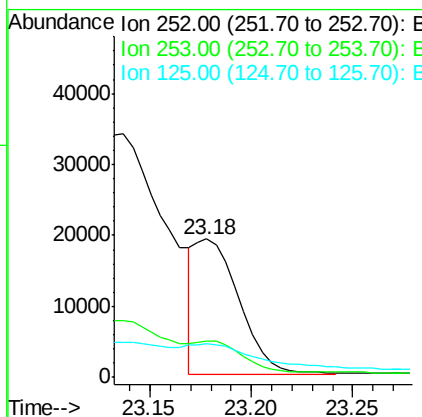
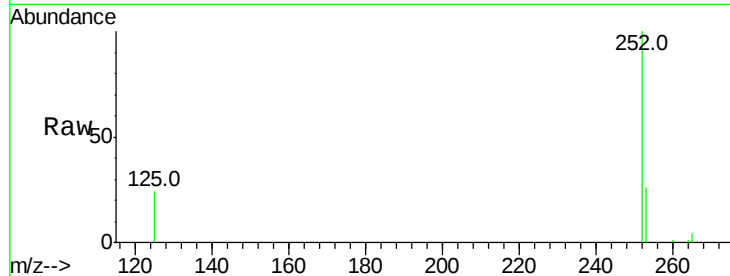
#36
Benzo(k)fluoranthene
Concen: 0.571 ng m
RT: 23.18 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.6	27.8
125	24.2	10.7	16.1

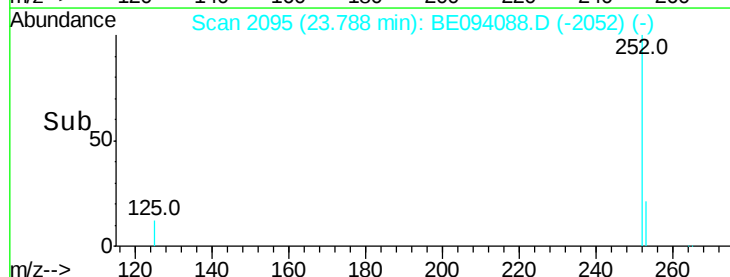
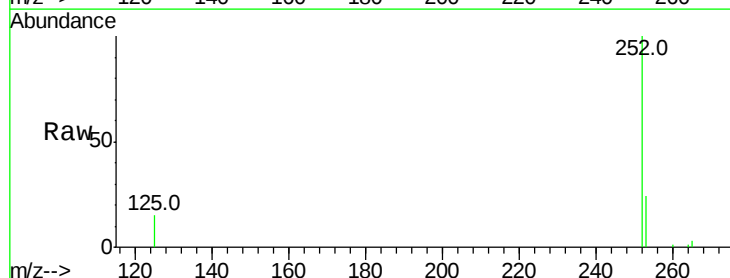
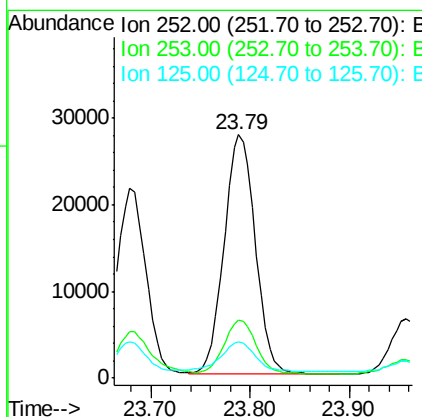
Manual Integrations
APPROVED

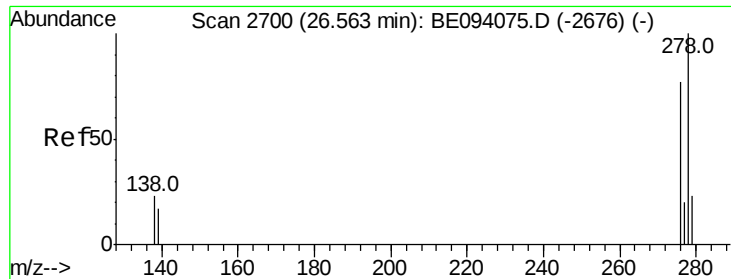
Sohil
9/25/2017 6:24:42 PM



#37
Benzo(a)pyrene
Concen: 1.322 ng
RT: 23.79 min Scan# 2095
Delta R.T. -0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.0	28.6
125	14.9	11.8	17.8





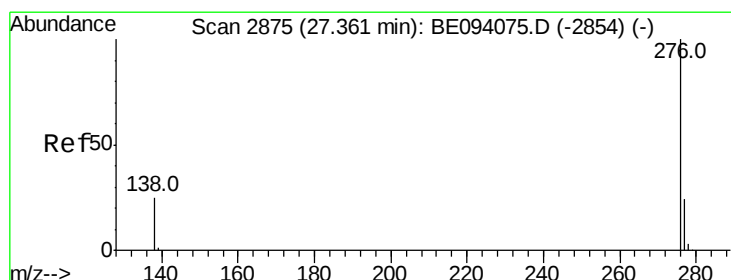
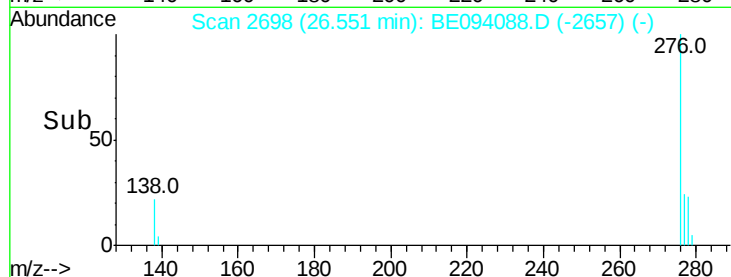
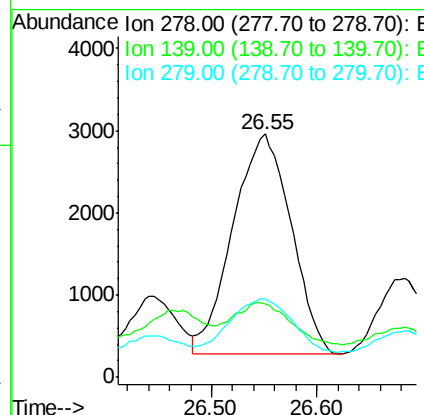
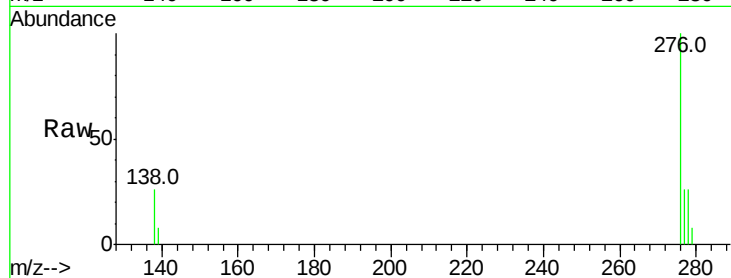
#38
Dibenzo(a,h)anthracene
Concen: 0.281 ng
RT: 26.55 min Scan# 2698
Delta R.T. -0.01 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Instrument :
BNA_E
ClientSampleId :
LT-TS-005

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.1	16.3	24.5#
279	32.1	19.9	29.9#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:24:42 PM



#39
Benzo(g,h,i)perylene
Concen: 1.129 ng
RT: 27.36 min Scan# 2876
Delta R.T. 0.00 min
Lab File: BE094088.D
Acq: 23 Sep 2017 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.8	31.2
138	26.9	21.5	32.3

