

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101217\
 Data File : BE094313.D
 Acq On : 12 Oct 2017 13:25
 Operator : SJ/JU
 Sample : I5530-16 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LB-32(1.5-2)

Manual Integrations
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Sohil
 10/15/2017 12:27:41 PM

Quant Time: Oct 12 23:17:32 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 06 15:16:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1613	0.40	ng	0.01
7) Naphthalene-d8	10.71	136	8024	0.40	ng	0.02
13) Acenaphthene-d10	14.52	164	4263	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	5750	0.40	ng	0.00
27) Chrysene-d12	21.43	240	10228	0.40	ng	0.02
34) Perylene-d12	23.96	264	9133	0.40	ng	0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	116705	21.71	ng	0.01
5) Phenol-d6	7.11	99	179657	23.06	ng	0.03
8) Nitrobenzene-d5	9.06	82	112514	16.84	ng	0.00
11) 2-Methylnaphthalene-d10	12.30	152	2	0.00	ng	0.02
14) 2,4,6-Tribromophenol	16.03	330	27770	14.98	ng	0.03
15) 2-Fluorobiphenyl	13.15	172	209652	14.36	ng	0.01
25) Fluoranthene-d10	19.33	212	711	0.01	ng	0.07
29) Terphenyl-d14	19.87	244	218771	11.33	ng	0.01

Target Compounds					Qvalue	
9) Naphthalene	10.76	128	59934	0.663	ng	99
12) 2-Methylnaphthalene	12.36	142	9441	0.636	ng	98
16) Acenaphthylene	14.24	152	19642	0.910	ng	98
17) Acenaphthene	14.58	154	23772	1.667	ng	97
18) Fluorene	15.58	166	35454	1.898	ng	92
23) Phenanthrene	17.30	178	405089m	20.326	ng	
24) Anthracene	17.37	178	95005m	6.253	ng	
26) Fluoranthene	19.32	202	783579	44.841	ng	99
28) Pyrene	19.68	202	689189	19.590	ng	# 94
30) Benzo(a)anthracene	21.40	228	376191	11.193	ng	98
31) Chrysene	21.46	228	287260	8.663	ng	96
32) Bis(2-ethylhexyl)phthalate	21.30	149	238059	3.076	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.65	276	131578	3.997	ng	# 91
35) Benzo(b)fluoranthene	23.19	252	381912	12.432	ng	98
36) Benzo(k)fluoranthene	23.22	252	116342m	3.726	ng	
37) Benzo(a)pyrene	23.85	252	272201	9.376	ng	99
38) Dibenzo(a,h)anthracene	26.65	278	31474	1.169	ng	# 83
39) Benzo(a,h,i)perylene	27.48	276	116618	4.241	ng	98

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

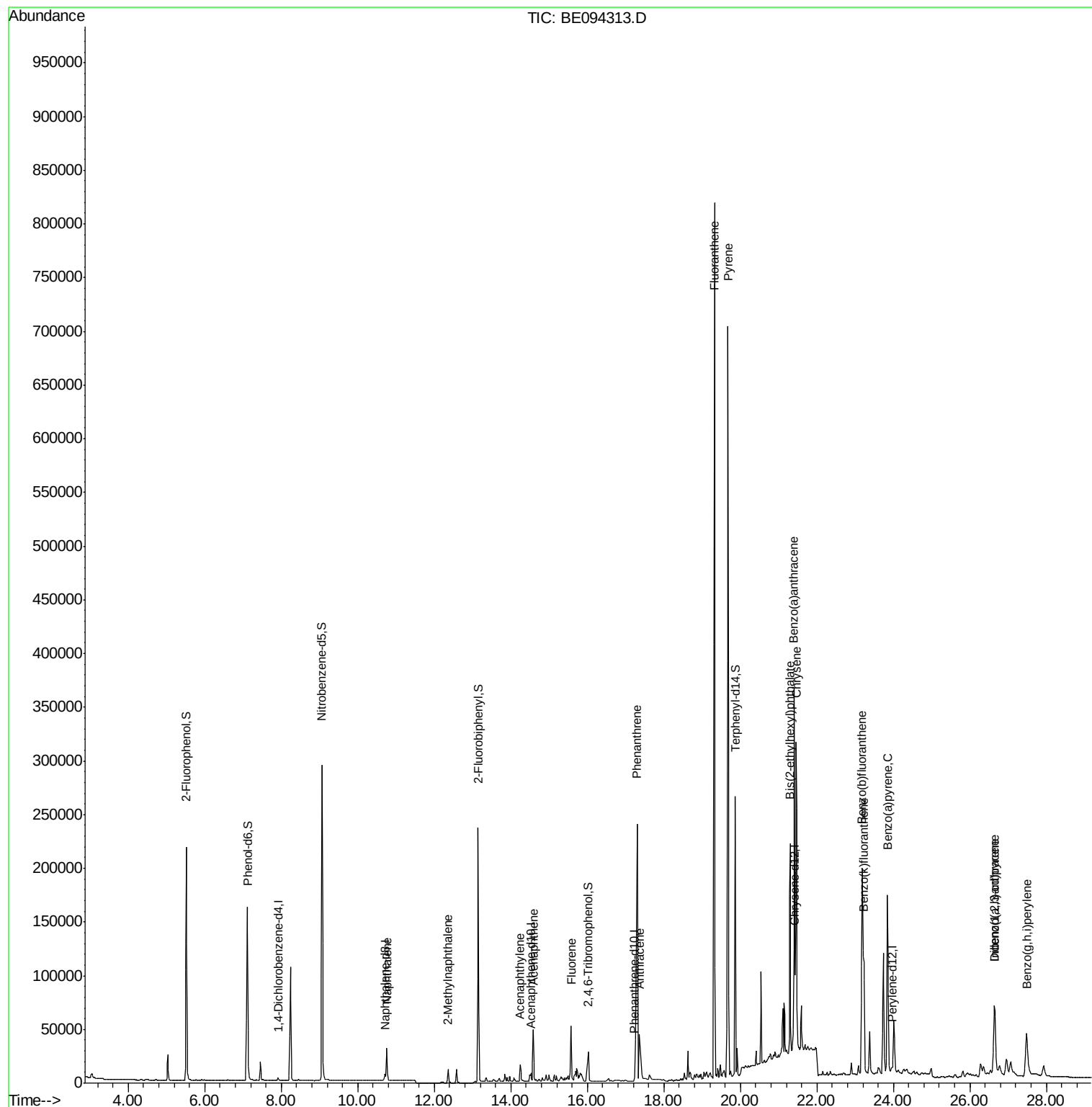
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE101217\
Data File : BE094313.D
Acq On : 12 Oct 2017 13:25
Operator : SJ/JU
Sample : I5530-16 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

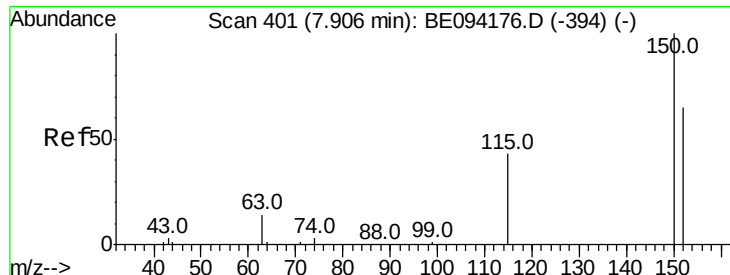
Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Manual Integrations
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Quant Time: Oct 12 23:17:32 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 15:16:13 2017
Response via : Initial Calibration





#1

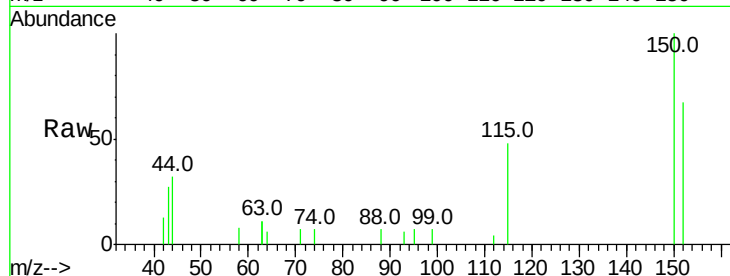
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

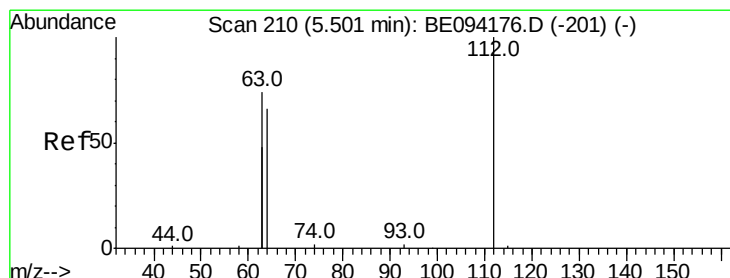
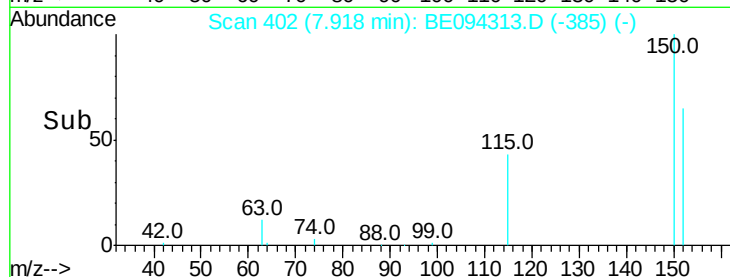
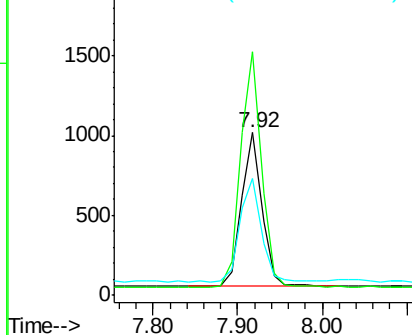
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	117.2	175.8
115	71.7	57.0	85.6

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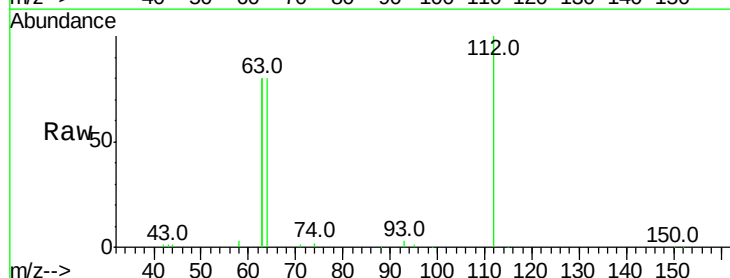
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



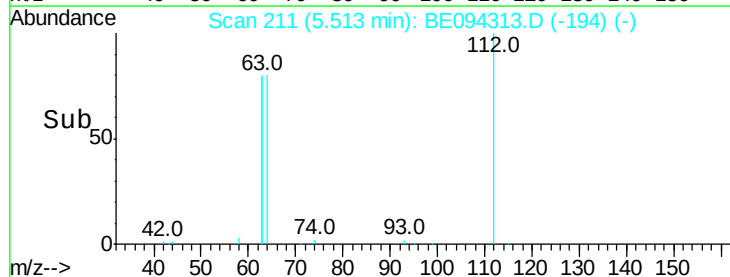
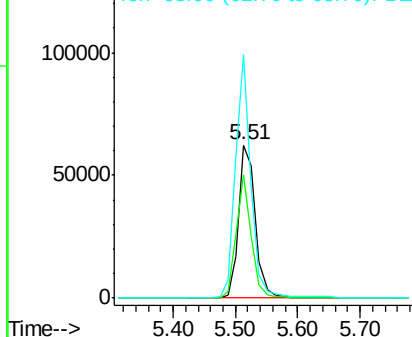
#4

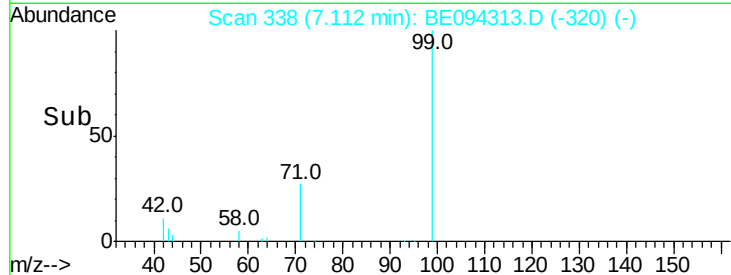
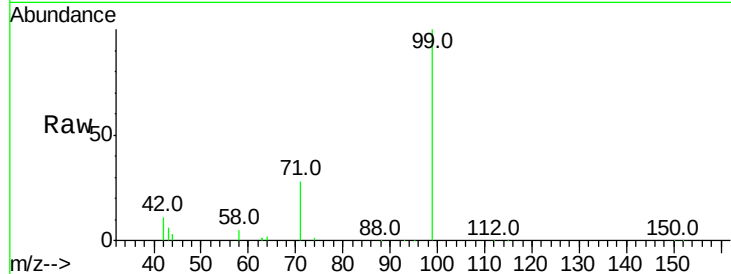
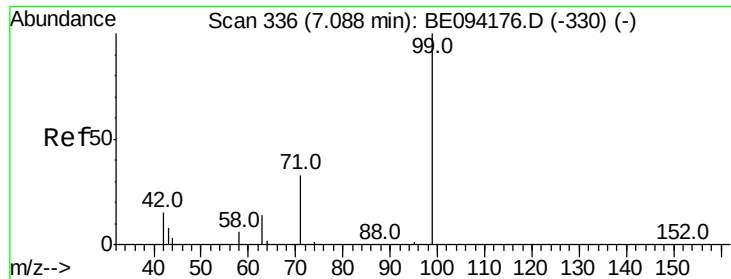
2-Fluorophenol
Concen: 21.712 ng
RT: 5.51 min Scan# 211
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.7	60.1	90.1
63	145.0	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: 23.055 ng

RT: 7.11 min Scan# 338

Delta R.T. 0.03 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tot Ion	Ratio	Lower	Upper
99	100		
42	19.9	20.2	30.2#
71	33.9	28.4	42.6

Instrument :

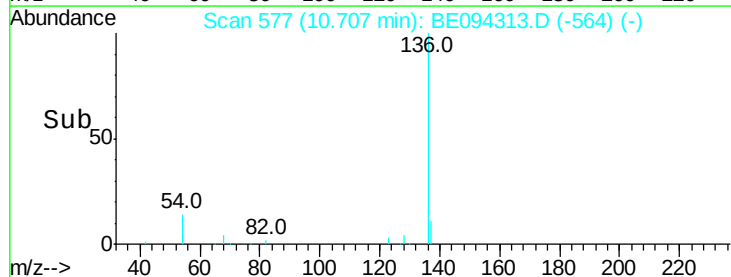
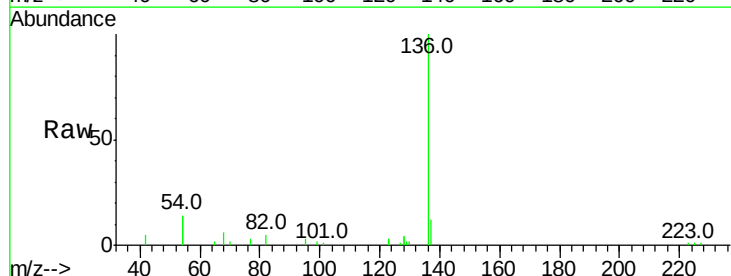
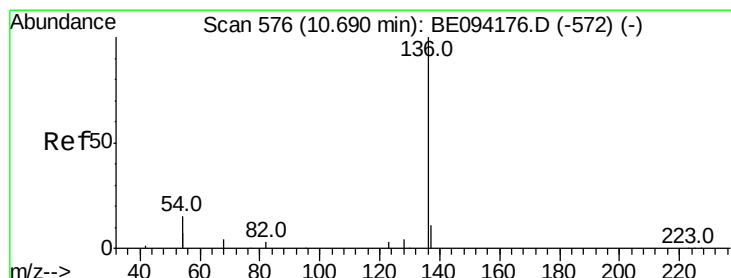
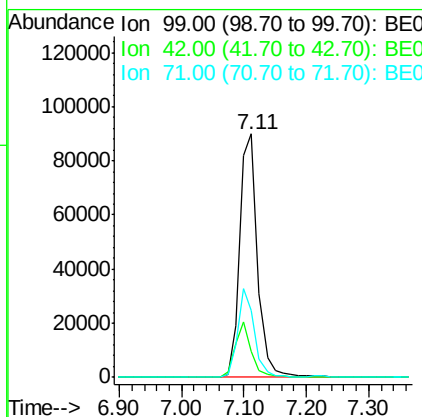
BNA_E

ClientSampleId :

LB-32(1.5-2)

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#7

Naphthalene-d8

Concen: 0.400 ng

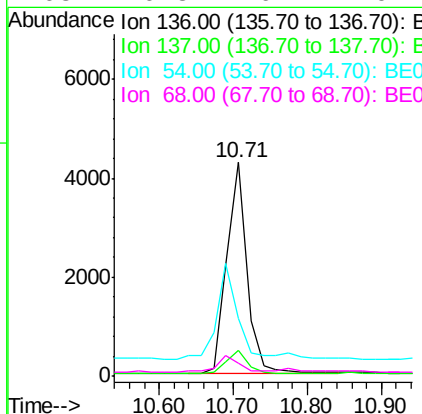
RT: 10.71 min Scan# 577

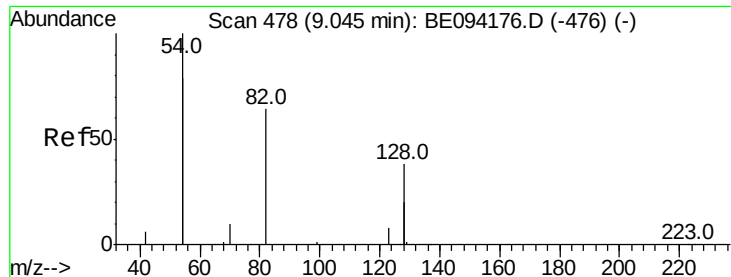
Delta R.T. 0.02 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	27.2	29.1	43.7#
68	6.3	6.2	9.2





#8

Nitrobenzene-d5

Concen: 16.842 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Instrument :

BNA_E

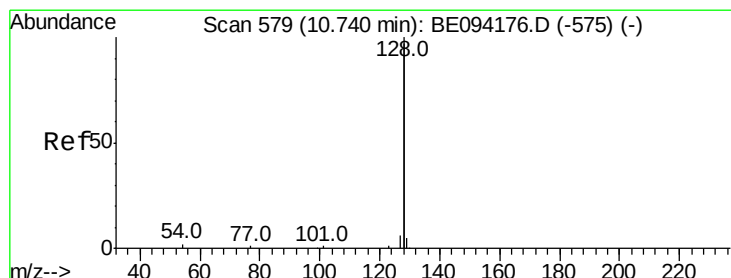
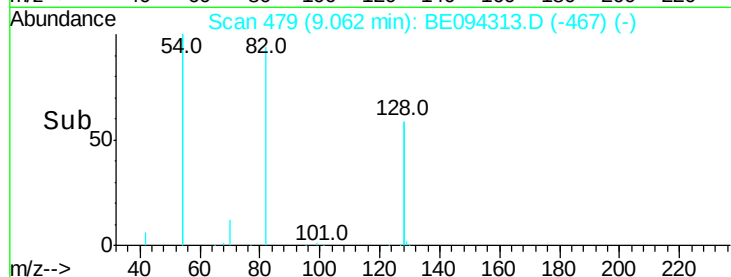
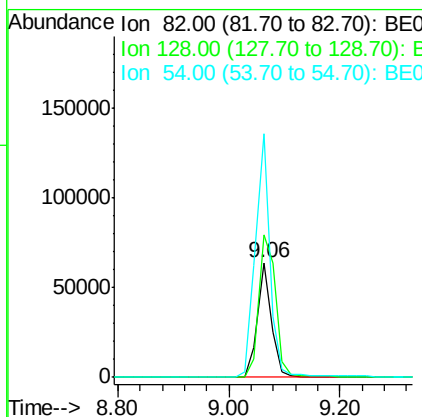
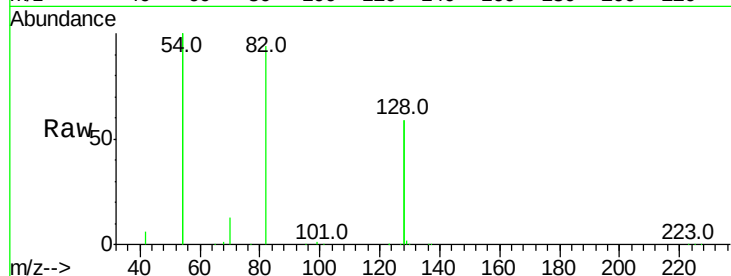
ClientSampled :

LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	124.3	150.0	225.0#
54	212.4	154.2	231.4

Manual Integrations
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#9

Naphthalene

Concen: 0.663 ng

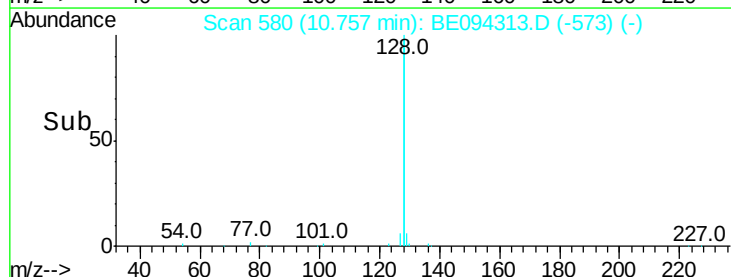
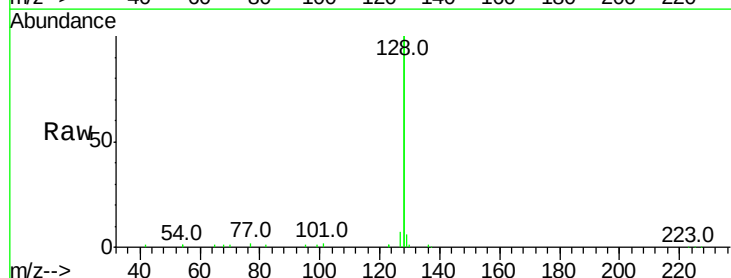
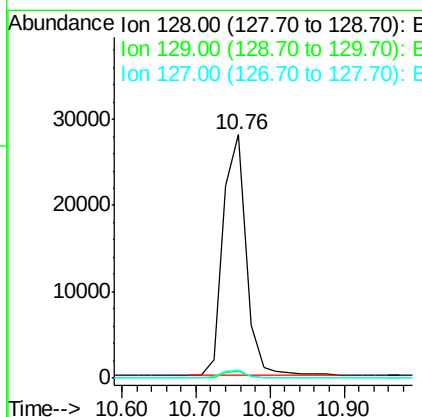
RT: 10.76 min Scan# 580

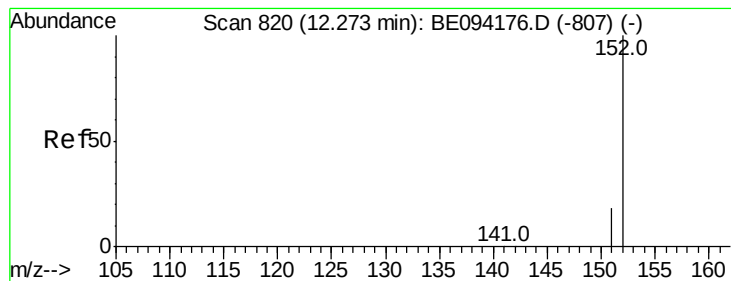
Delta R.T. 0.02 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.6	3.8
127	3.3	2.8	4.2





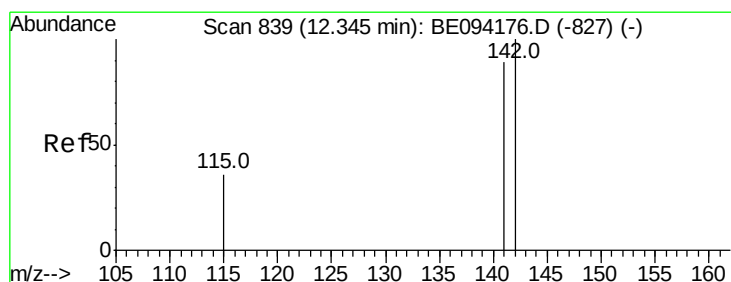
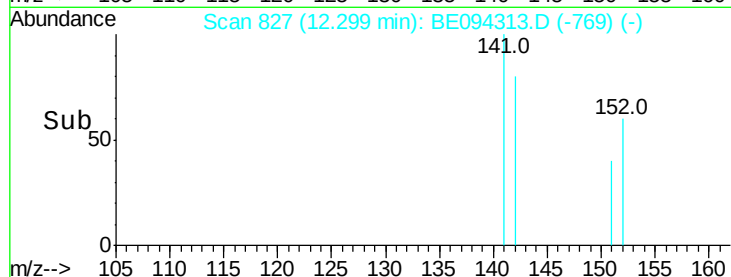
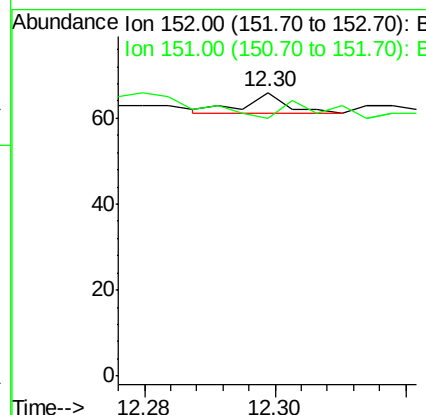
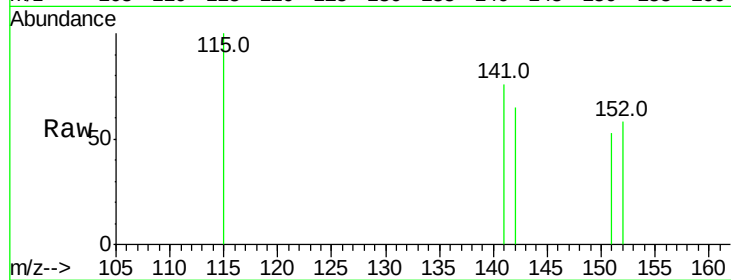
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 12.30 min Scan# 827
Delta R.T. 0.02 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 100.0 15.4 23.0#

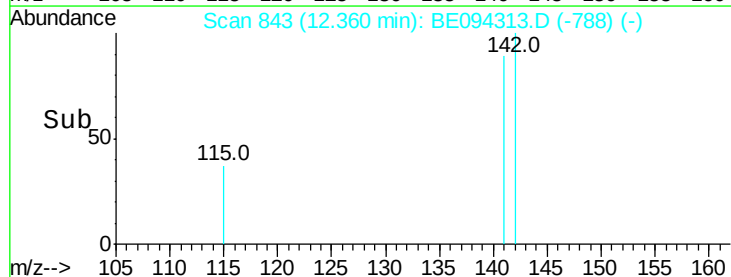
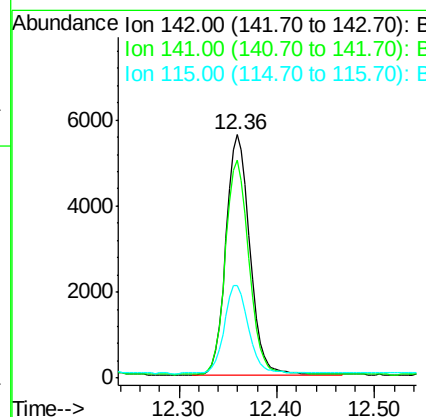
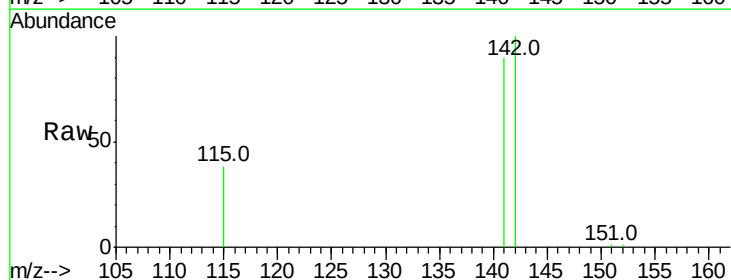
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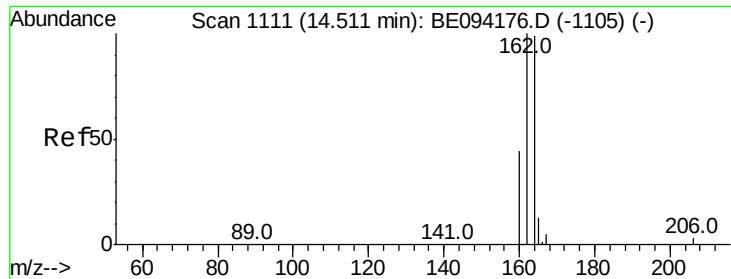
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#12
2-Methylnaphthalene
Concen: 0.636 ng
RT: 12.36 min Scan# 843
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion:142 Resp: 9441
Ion Ratio Lower Upper
142 100
141 89.5 70.4 105.6
115 38.2 31.7 47.5





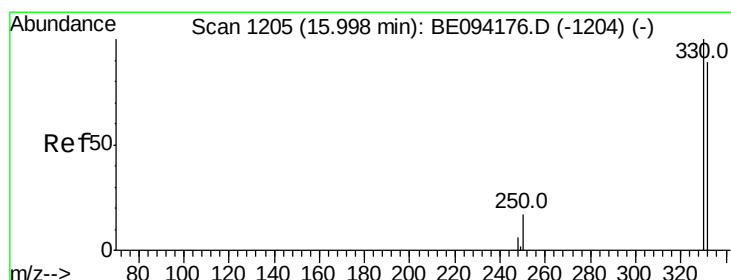
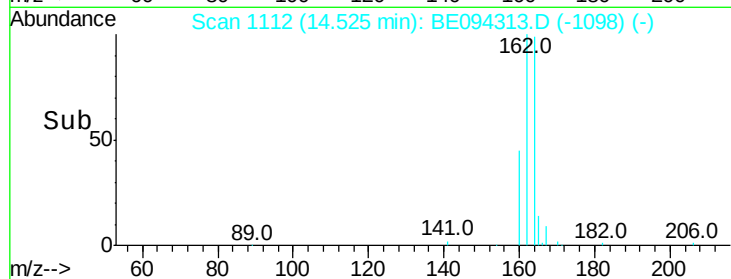
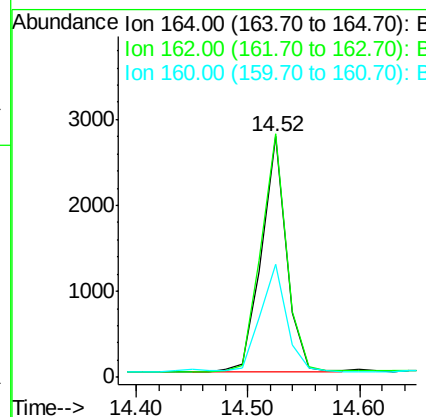
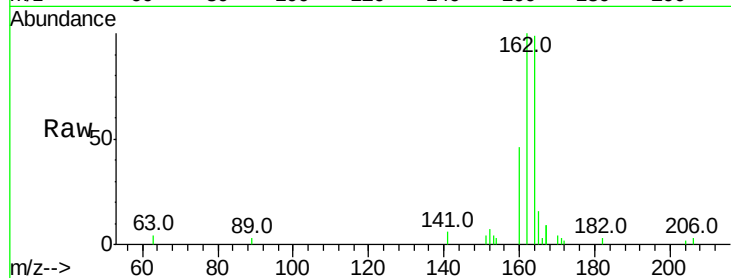
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	83.1	124.7
160	47.0	37.1	55.7

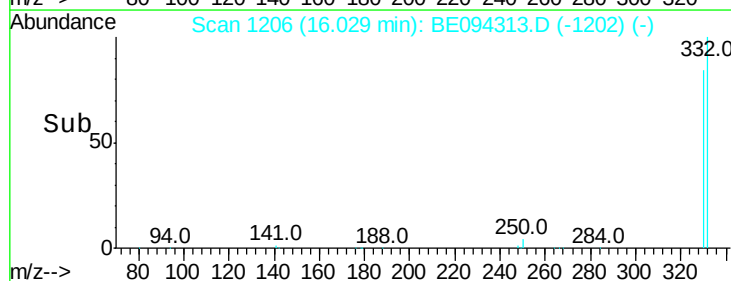
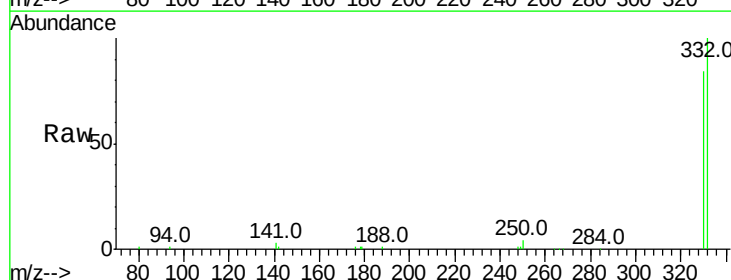
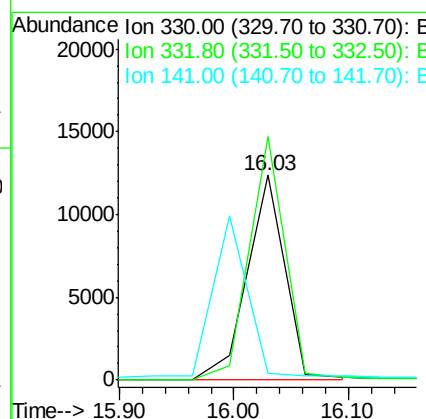
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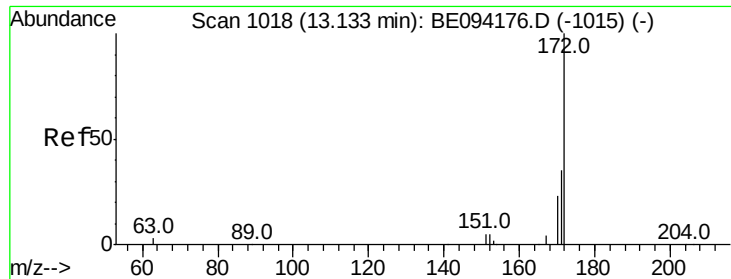
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#14
2,4,6-Tribromophenol
Concen: 14.985 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.03 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	112.2	152.7	229.1#
141	0.0	33.7	50.5#





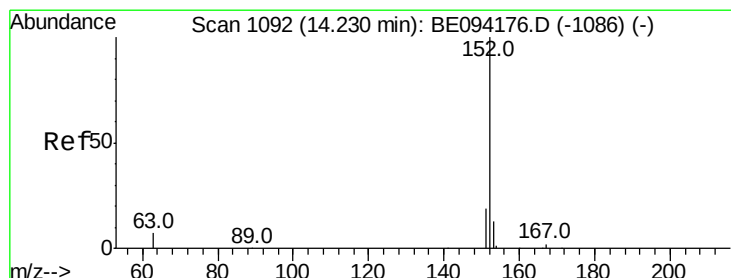
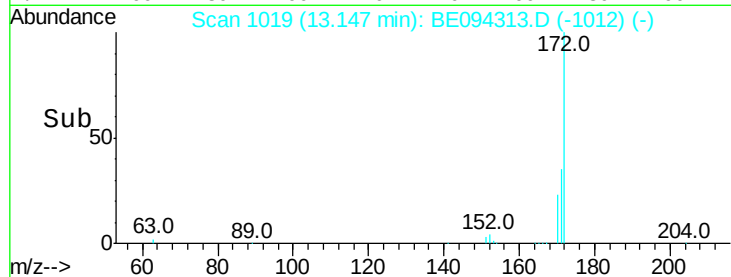
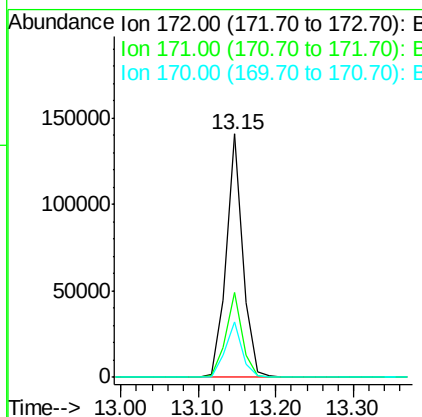
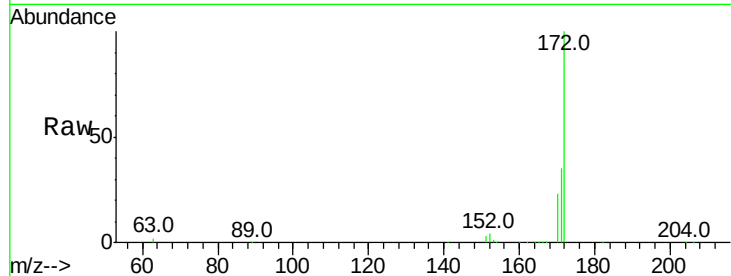
#15
2-Fluorobiphenyl
Concen: 14.356 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	209652		
171	34.8		29.9	44.9
170	22.8		21.8	32.8

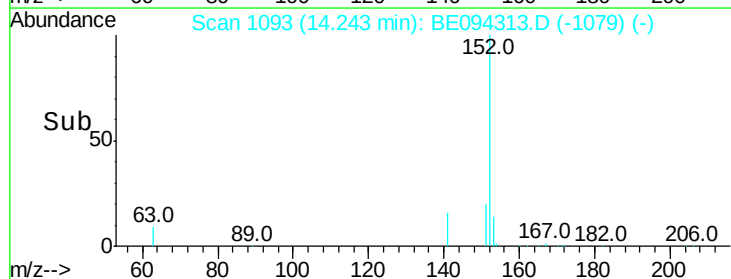
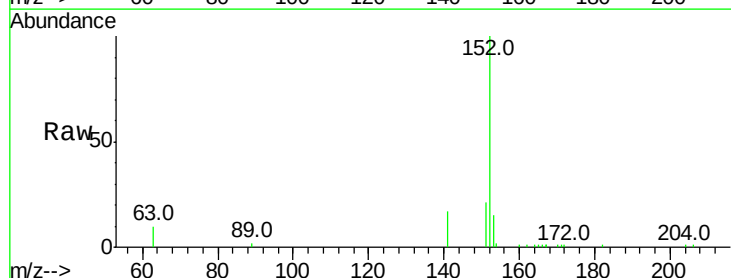
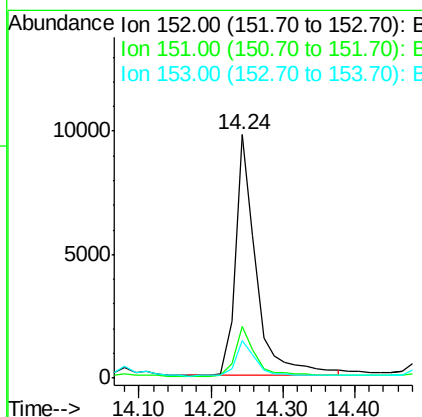
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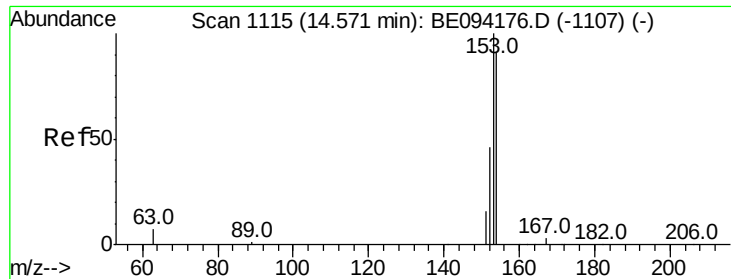
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#16
Acenaphthylene
Concen: 0.910 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	19642		
151	20.1		15.7	23.5
153	14.4		10.5	15.7





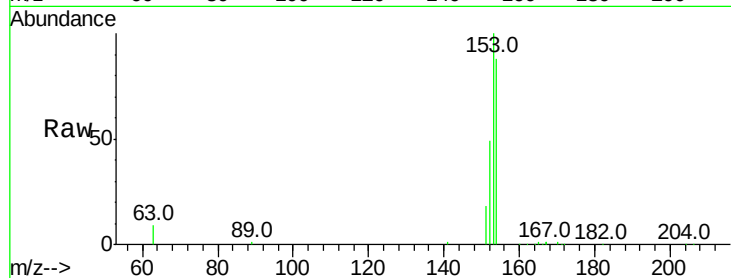
#17
Acenaphthene
Concen: 1.667 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.2	133.8
152	56.1	42.0	63.0

Manual Integrations
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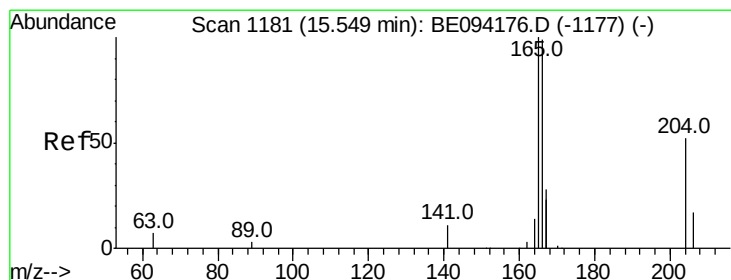
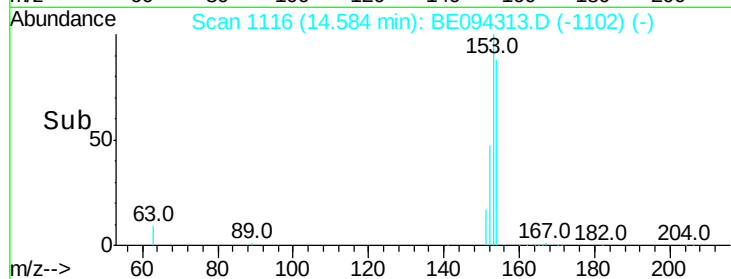
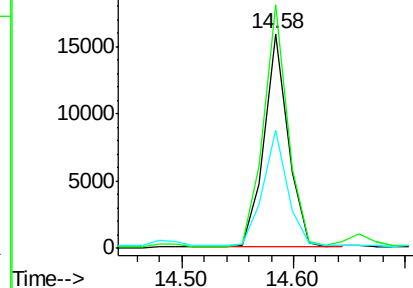


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 1.898 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

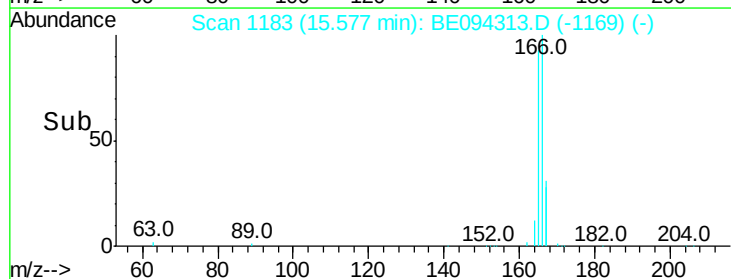
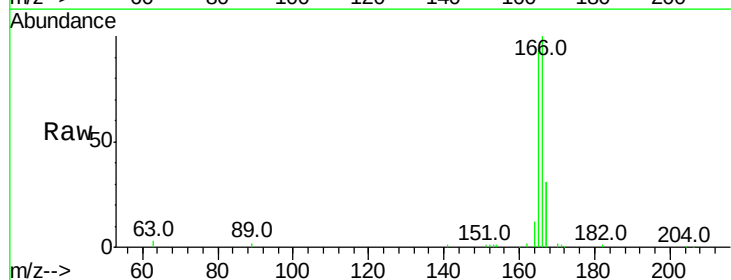
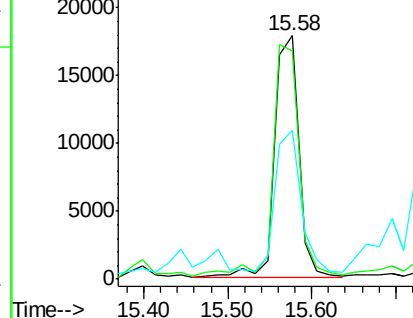
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	77.8	116.6
167	63.1	42.4	63.6

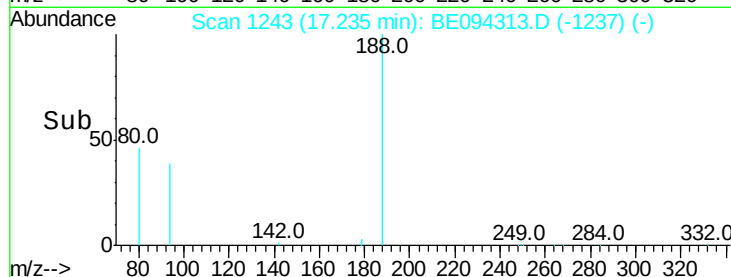
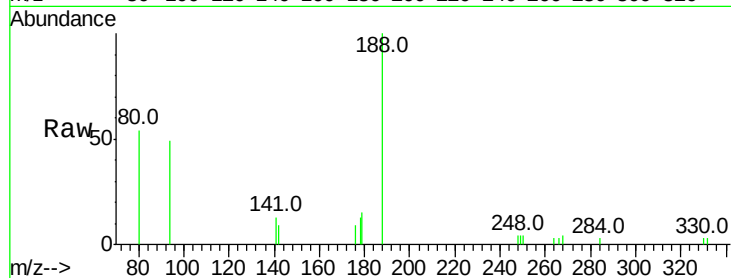
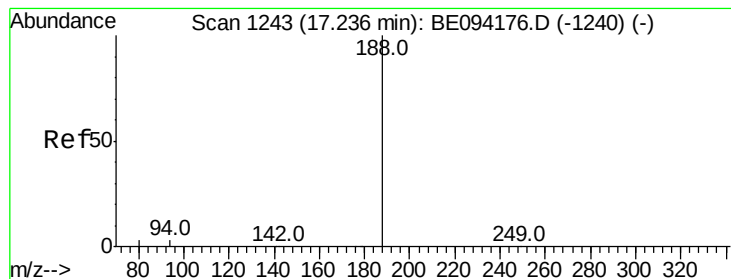
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Instrument :

BNA_E

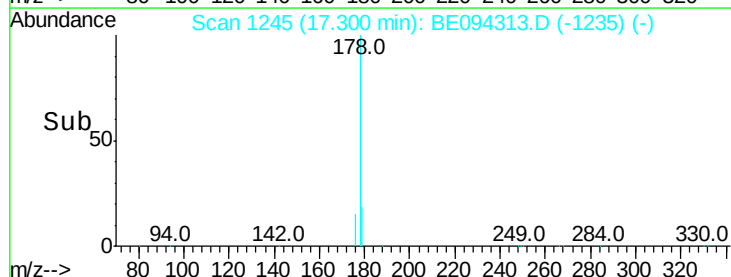
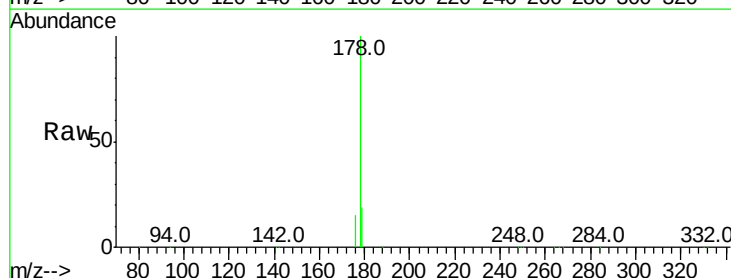
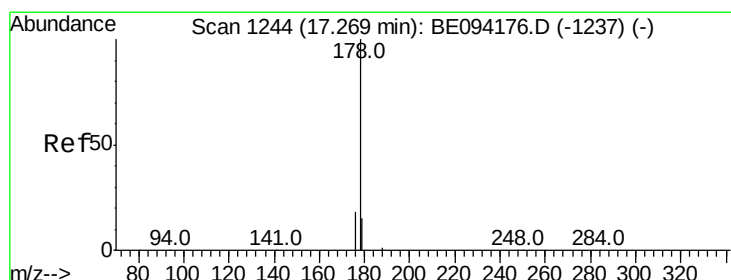
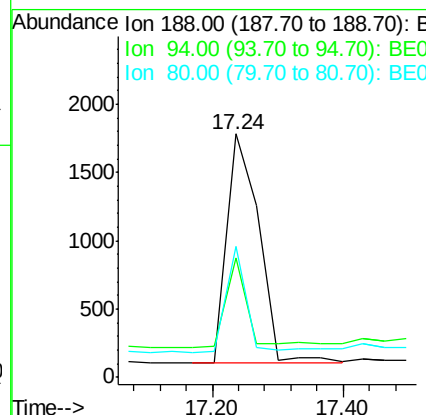
ClientSampleId :

LB-32(1.5-2)

Tot Ion:	188	Resp:	5750
Ion Ratio	Lower	Upper	
188	100		
94	48.9	3.9	5.9#
80	53.8	3.6	5.4#

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#23

Phenanthrene

Concen: 20.326 ng m

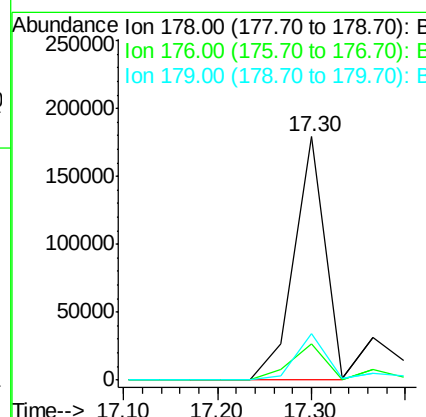
RT: 17.30 min Scan# 1245

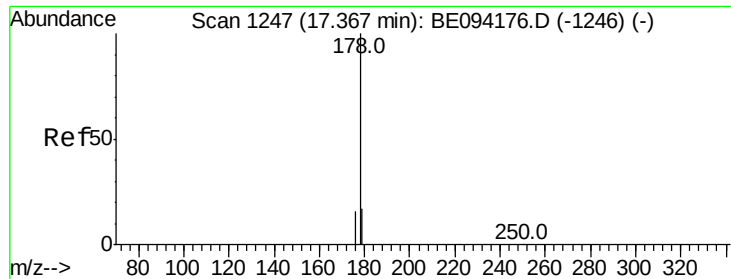
Delta R.T. 0.03 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tgt Ion:	178	Resp:	405089
Ion Ratio	Lower	Upper	
178	100		
176	21.6	15.1	22.7
179	23.6	11.8	17.6#





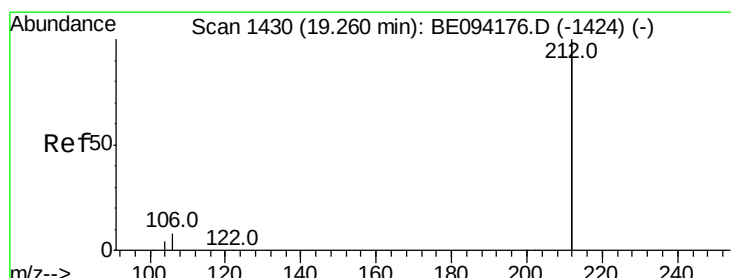
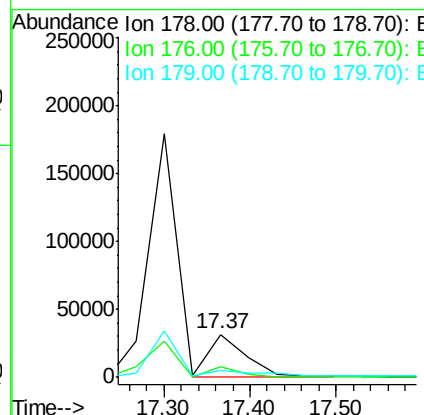
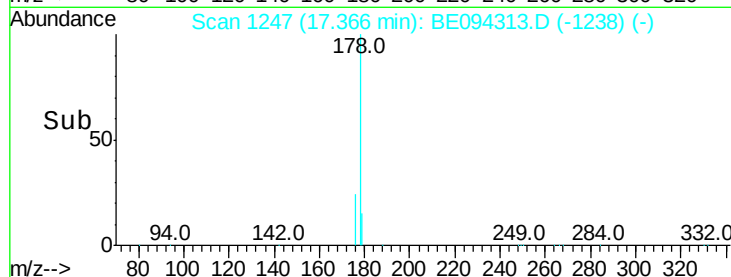
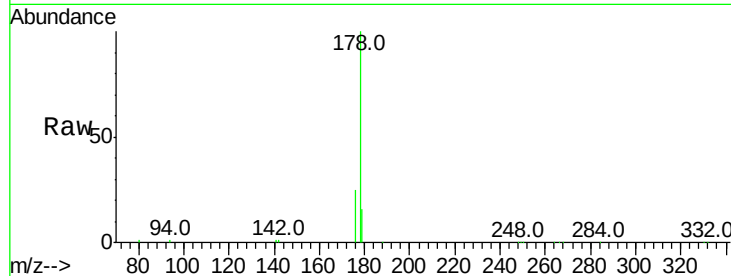
#24
 Anthracene
 Concen: 6.253 ng/ml
 RT: 17.37 min Scan# 1247
 Delta R.T. 0.00 min
 Lab File: BE094313.D
 Acq: 12 Oct 2017 13:25

Instrument :
 BNA_E
 ClientSampleId :
 LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	92.0	12.8	19.2#
179	102.4	13.0	19.6#

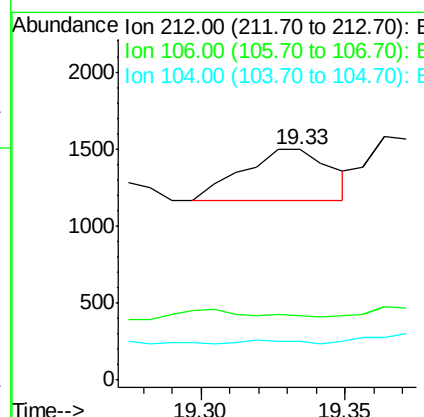
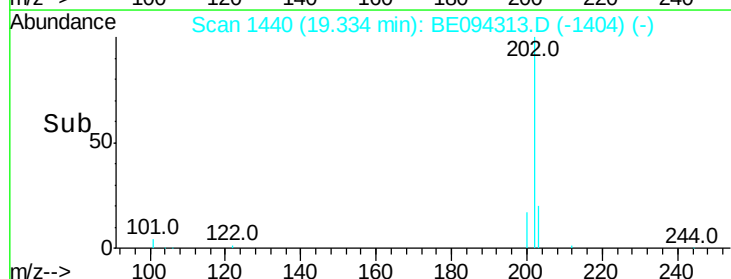
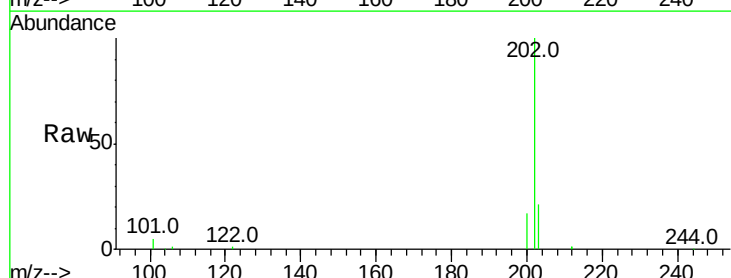
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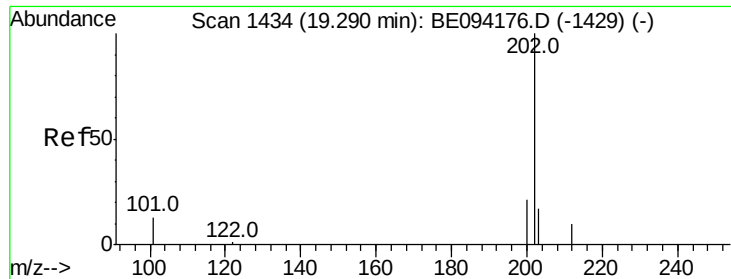
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#25
 Fluoranthene-d10
 Concen: 0.012 ng
 RT: 19.33 min Scan# 1440
 Delta R.T. 0.07 min
 Lab File: BE094313.D
 Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
212	100		
106	0.0	2.8	4.2#
104	4.4	1.6	2.4#





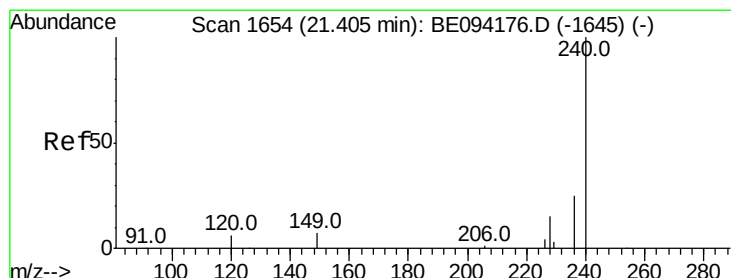
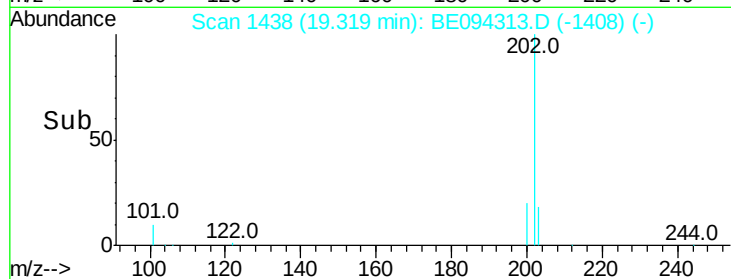
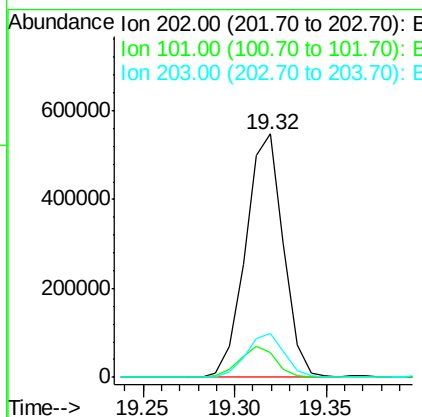
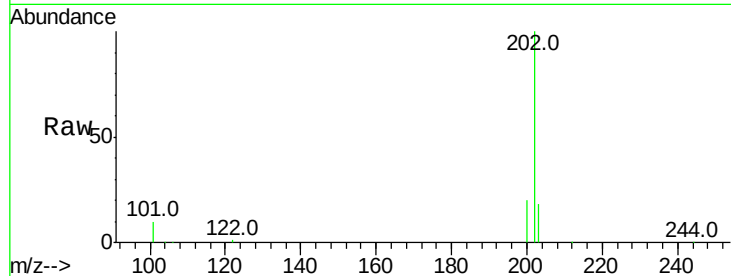
#26
 Fluoranthene
 Concen: 44.841 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. 0.02 min
 Lab File: BE094313.D
 Acq: 12 Oct 2017 13:25

Instrument :
 BNA_E
 ClientSampleId :
 LB-32(1.5-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.8	13.7	20.5

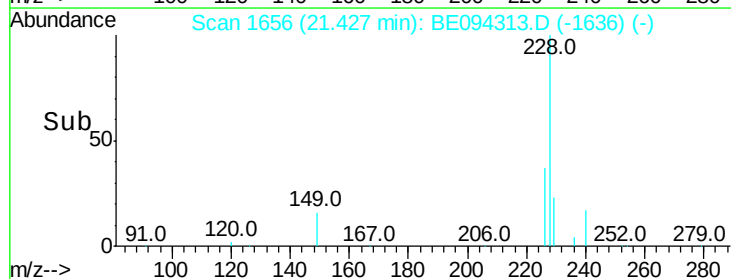
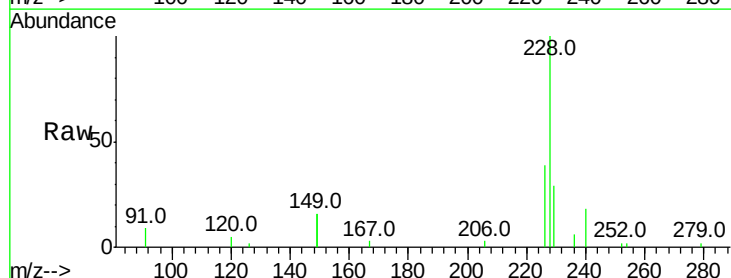
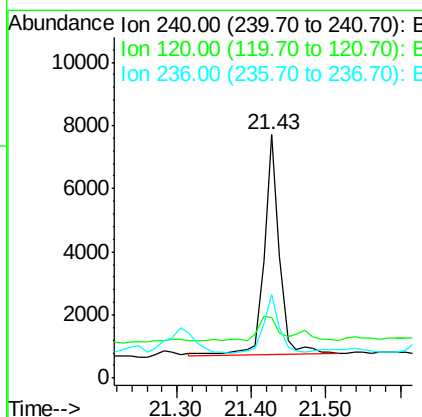
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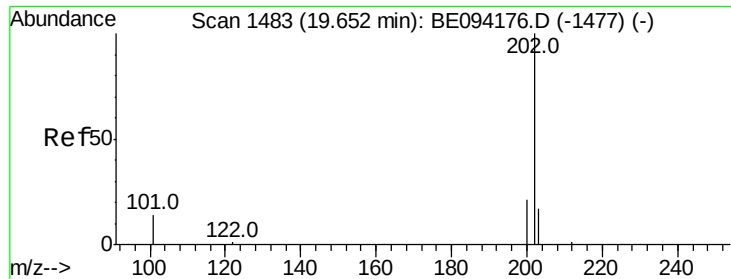
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1656
 Delta R.T. 0.02 min
 Lab File: BE094313.D
 Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	24.9	5.5	8.3#
236	34.4	20.7	31.1#





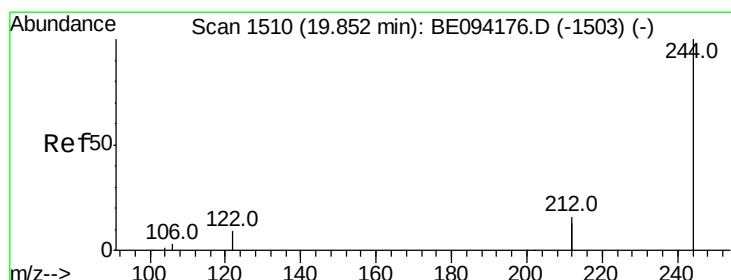
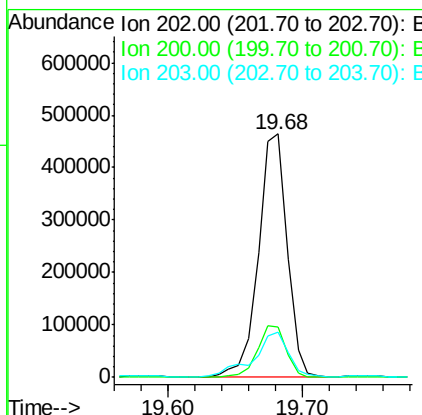
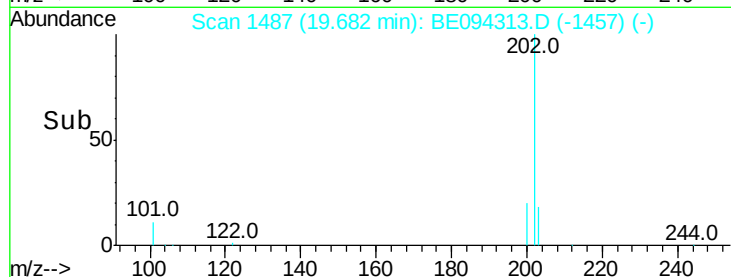
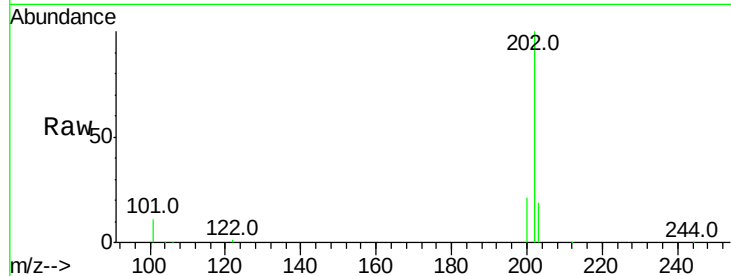
#28
Pvrene
Concen: 19.590 ng
RT: 19.68 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.6	25.0
203	22.2	13.8	20.8

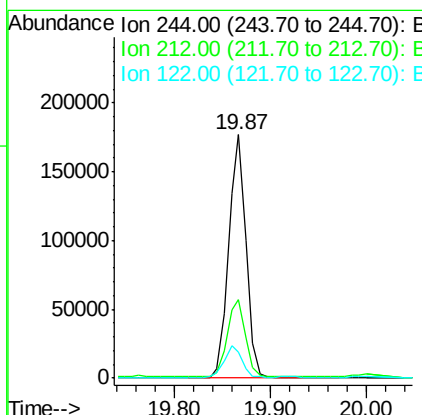
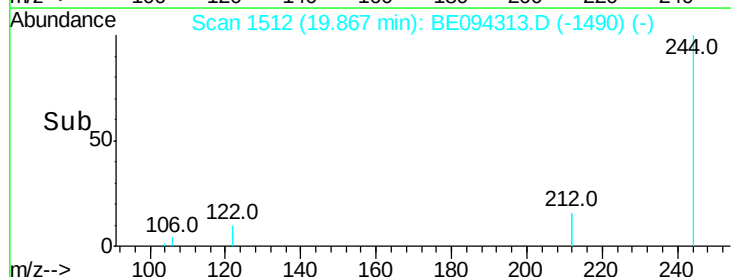
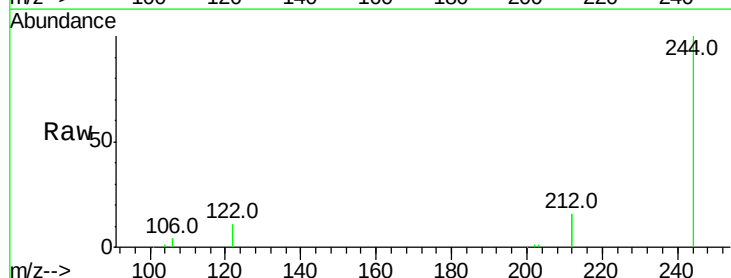
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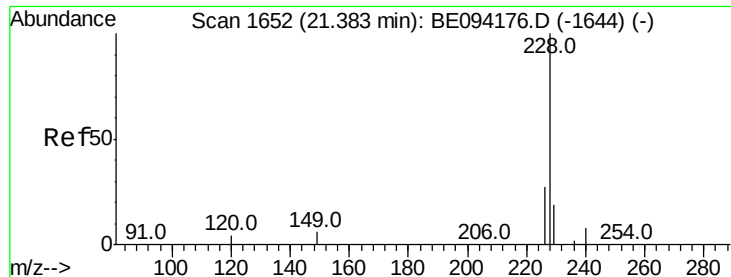
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#29
Terphenyl-d14
Concen: 11.327 ng
RT: 19.87 min Scan# 1512
Delta R.T. 0.01 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	32.3	25.4	38.0
122	10.6	8.1	12.1





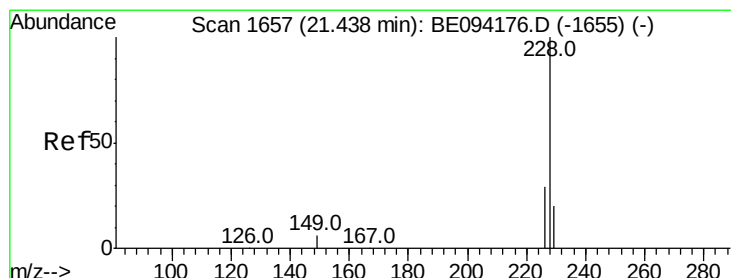
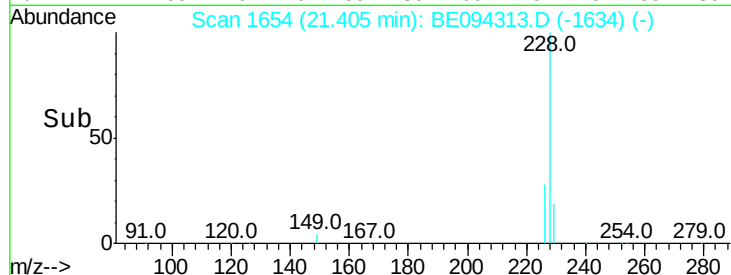
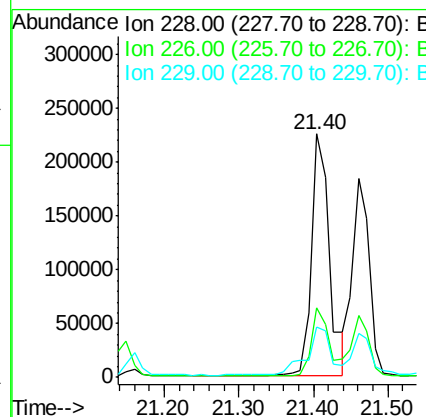
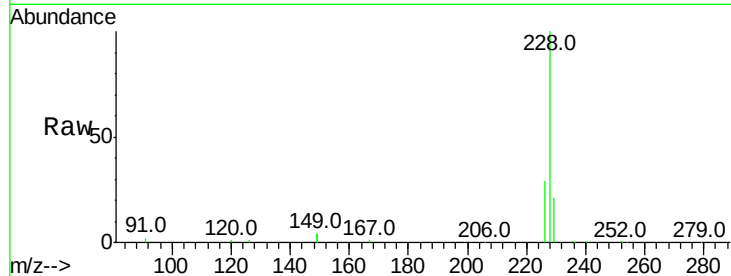
#30
Benzo(a)anthracene
Concen: 11.193 ng
RT: 21.40 min Scan# 1654
Delta R.T. 0.02 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampled :
LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.4	32.0
229	20.6	16.4	24.6

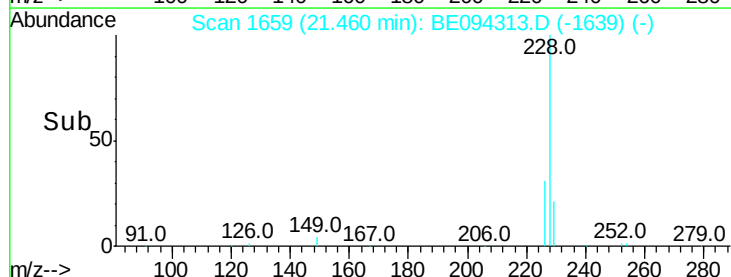
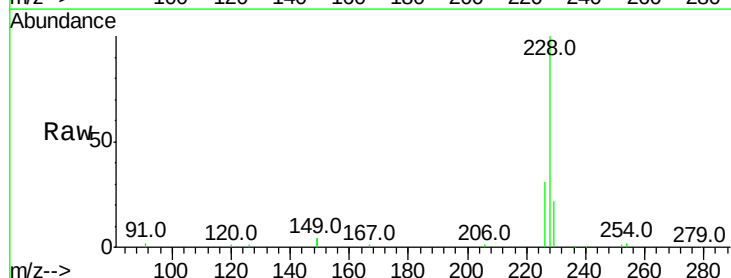
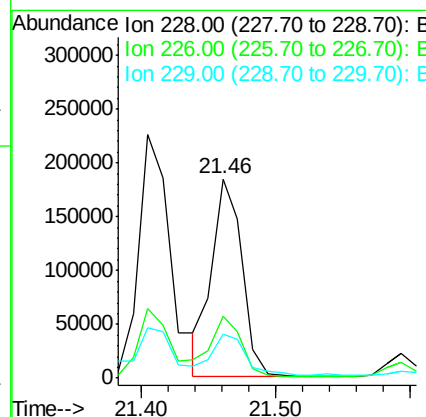
Manual Integrations
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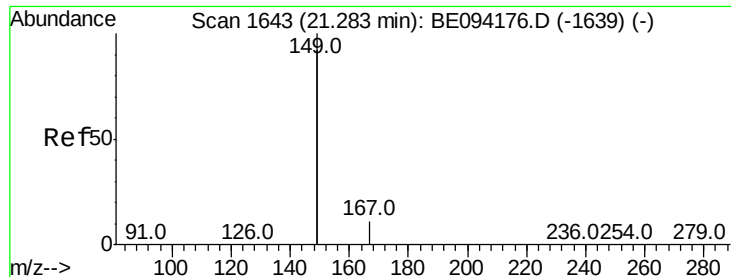
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#31
Chrysene
Concen: 8.663 ng
RT: 21.46 min Scan# 1659
Delta R.T. 0.02 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.6	35.4
229	22.3	16.4	24.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.076 ng

RT: 21.30 min Scan# 1645

Delta R.T. 0.01 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Instrument :

BNA_E

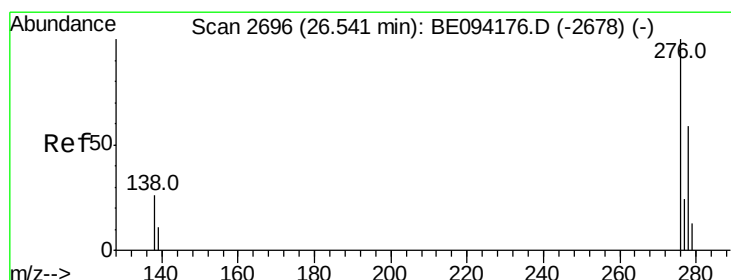
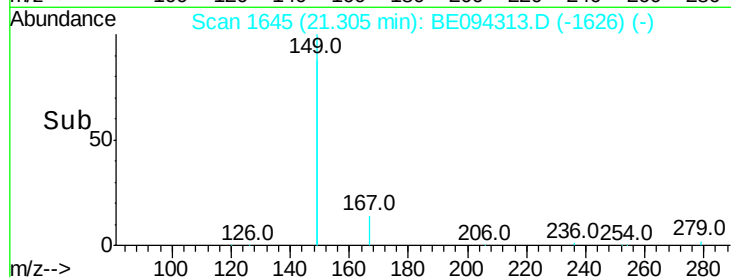
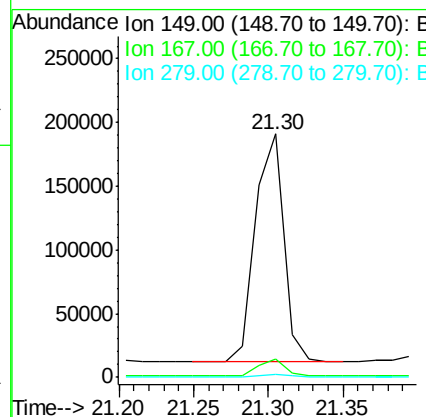
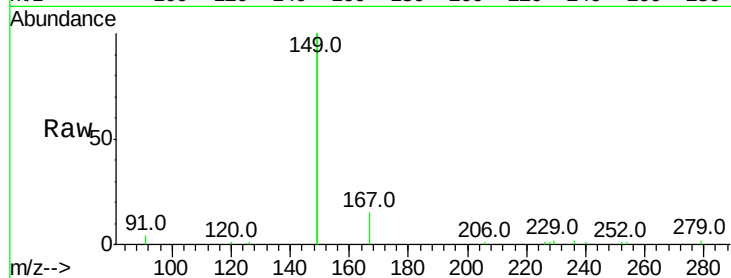
ClientSampled :

LB-32(1.5-2)

Tot Ion:	149	Resp:	238059
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.4	8.0
279	1.2	0.7	1.1#

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 3.997 ng

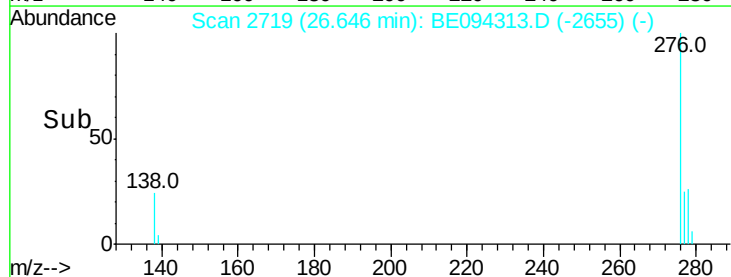
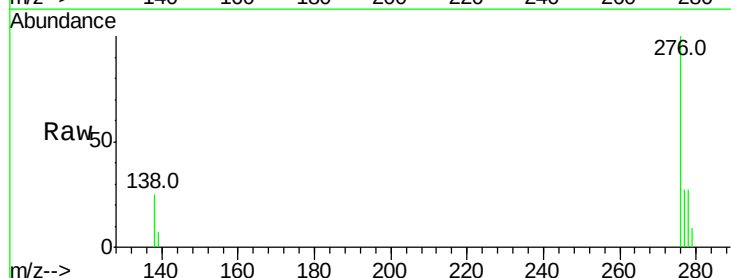
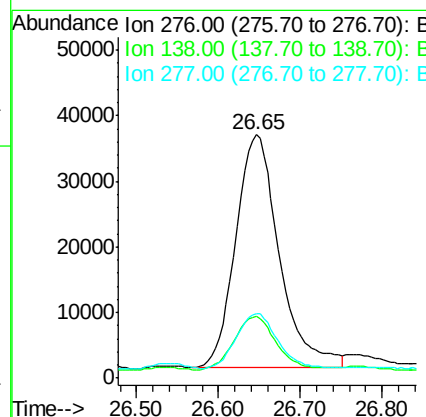
RT: 26.65 min Scan# 2719

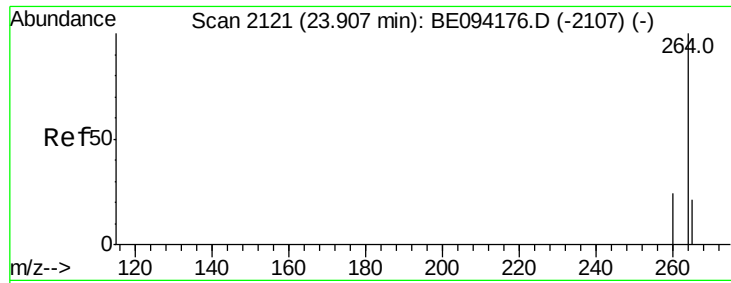
Delta R.T. 0.09 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tgt Ion:	276	Resp:	131578
Ion Ratio	Lower	Upper	
276	100		
138	21.8	22.5	33.7#
277	22.4	19.9	29.9





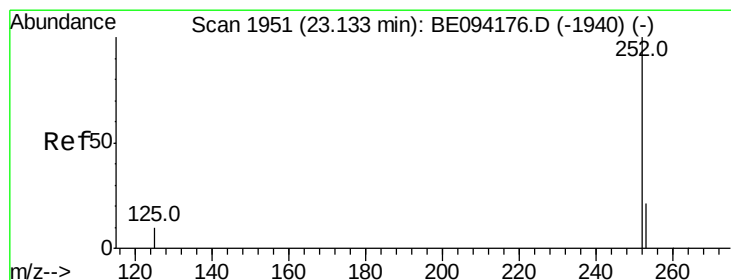
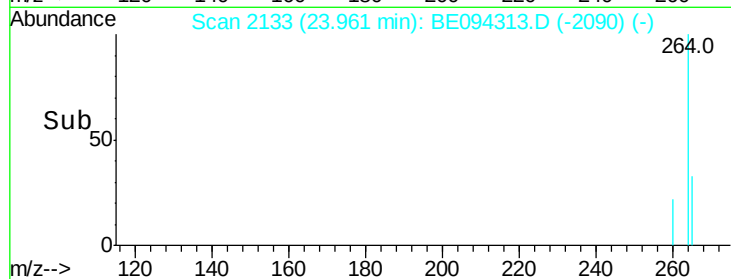
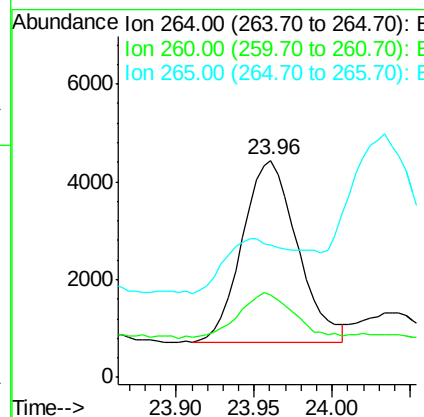
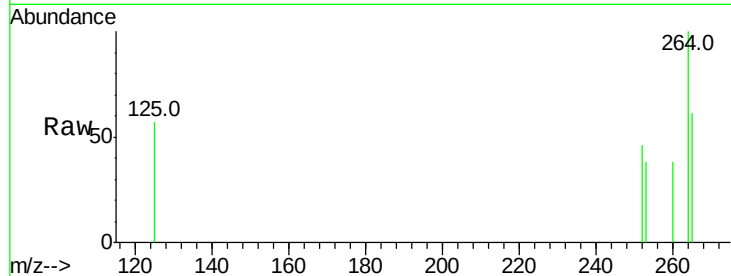
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2133
Delta R.T. 0.05 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	37.7	20.5	30.7#
265	61.1	22.8	34.2#

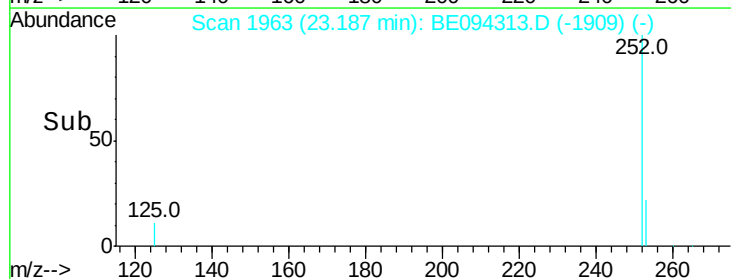
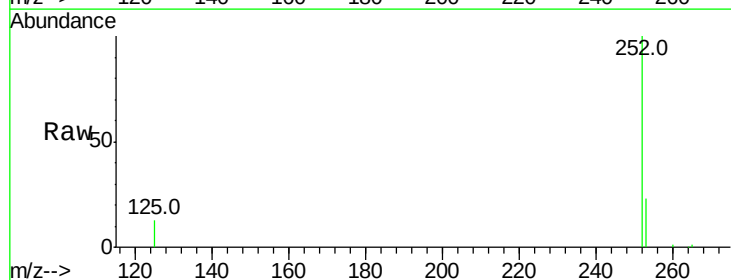
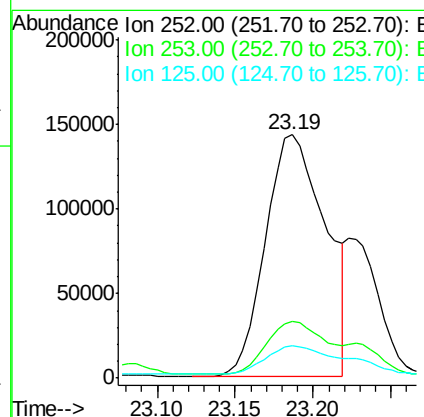
Manual Integrations
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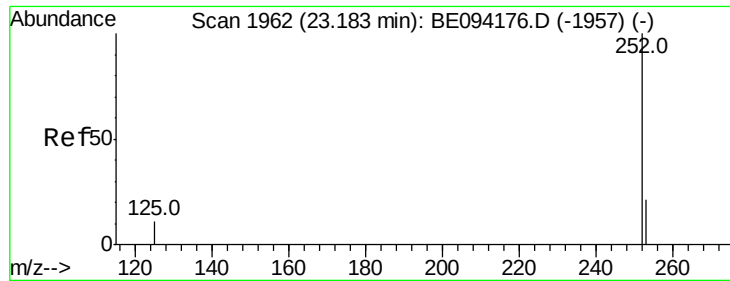
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#35
Benzo(b)fluoranthene
Concen: 12.432 ng
RT: 23.19 min Scan# 1963
Delta R.T. 0.05 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	13.2	10.1	15.1





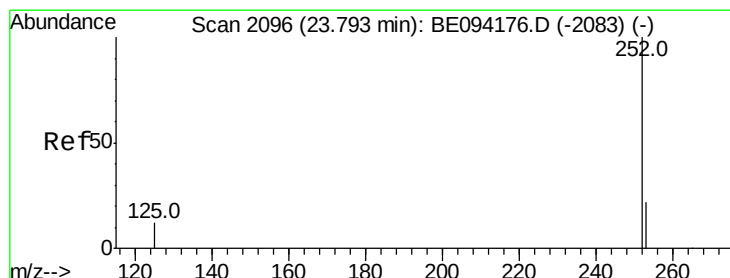
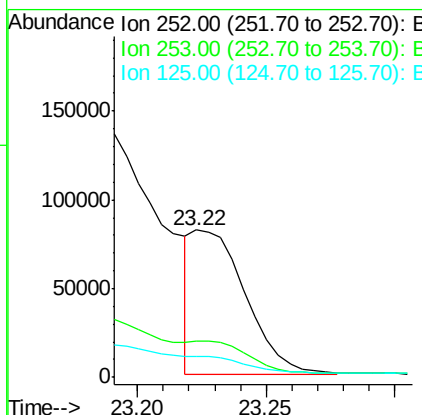
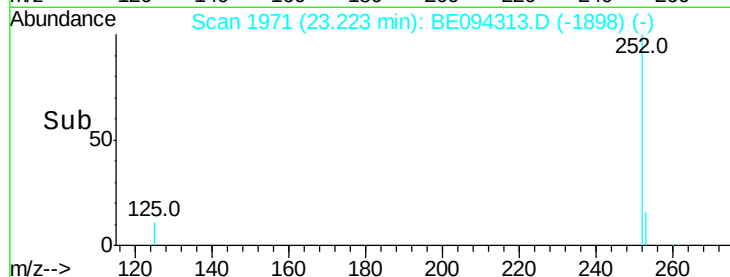
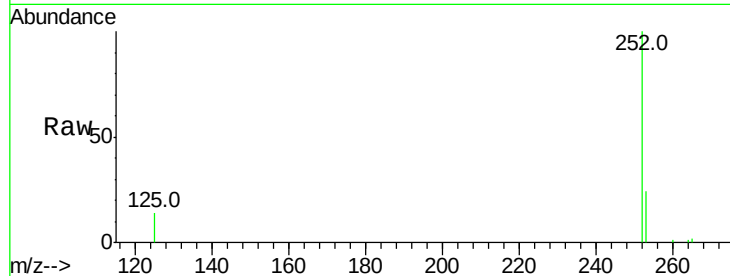
#36
Benzo(k)fluoranthene
Concen: 3.726 ng m
RT: 23.22 min Scan# 1971
Delta R.T. 0.03 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Instrument :
BNA_E
ClientSampleId :
LB-32(1.5-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.6	27.8
125	14.1	10.7	16.1

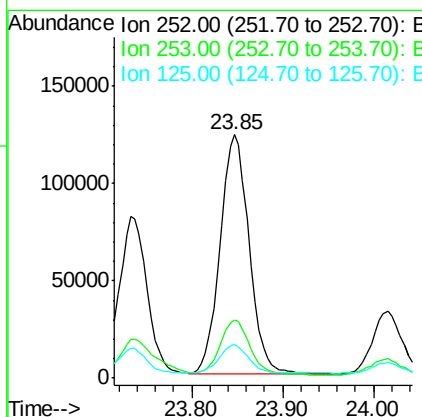
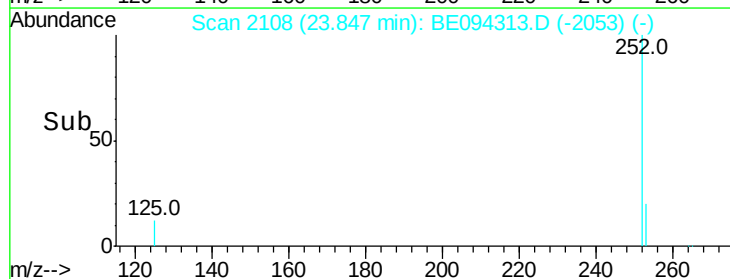
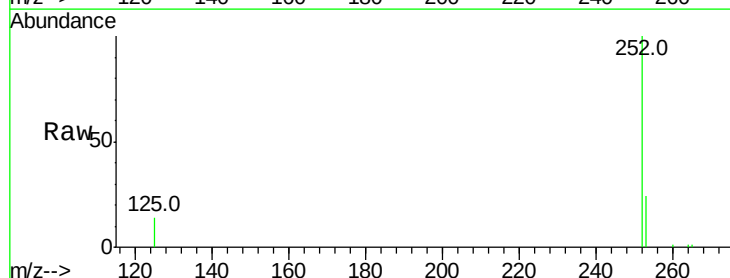
Manual Integrations
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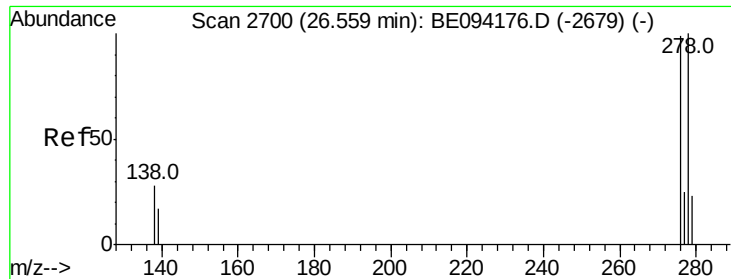
Sohil
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#37
Benzo(a)pyrene
Concen: 9.376 ng
RT: 23.85 min Scan# 2108
Delta R.T. 0.05 min
Lab File: BE094313.D
Acq: 12 Oct 2017 13:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.6
125	13.6	11.8	17.8





#38

Dibenzo(a,h)anthracene

Concen: 1.169 ng

RT: 26.65 min Scan# 2719

Delta R.T. 0.08 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Instrument :

BNA_E

ClientSampleId :

LB-32(1.5-2)

Tot Ion:278 Resp: 31474

Ion Ratio Lower Upper

278 100

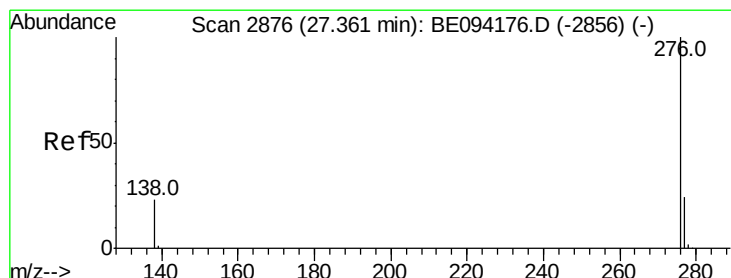
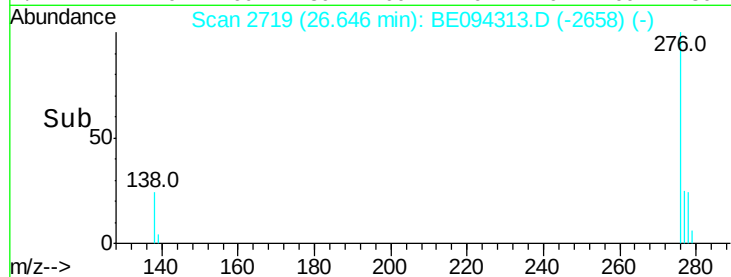
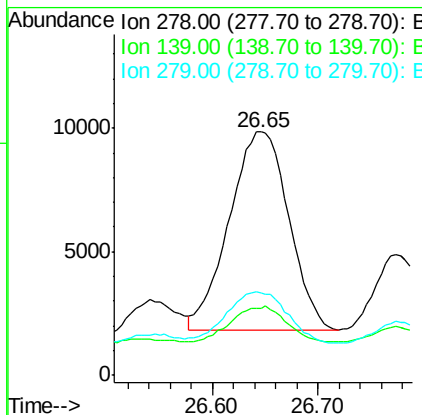
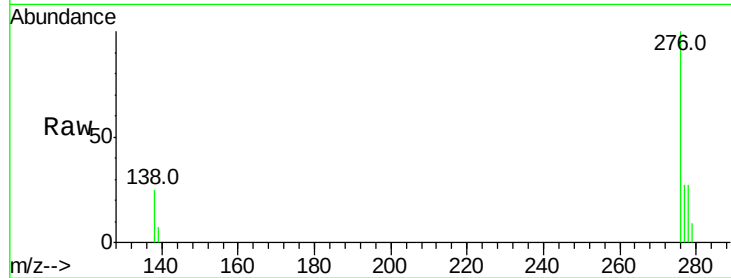
139 27.6 16.3 24.5#

279 34.0 19.9 29.9#

Manual Integrations
APPROVED

Sohil

10/15/2017 12:27:41 PM



#39

Benzo(g,h,i)perylene

Concen: 4.241 ng

RT: 27.48 min Scan# 2902

Delta R.T. 0.11 min

Lab File: BE094313.D

Acq: 12 Oct 2017 13:25

Tgt Ion:276 Resp: 116618

Ion Ratio Lower Upper

276 100

277 26.7 20.8 31.2

138 25.9 21.5 32.3

