

Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
 Data File : BE093657.D
 Acq On : 3 Aug 2017 14:34
 Operator : SJ/JU
 Sample : I4425-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-32-2

Manual Integrations
 APPROVED

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 8/4/2017 5:29:13 PM

Quant Time: Aug 04 13:31:00 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2966	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	14937	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	9003	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	23056	0.40	ng	0.00
27) Chrysene-d12	21.40	240	25802	0.40	ng	-0.01
34) Perylene-d12	23.91	264	23383	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.52	112	2678	0.30	ng	0.00
5) Phenol-d6	7.09	99	4152	0.31	ng	0.00
8) Nitrobenzene-d5	9.06	82	3197	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	5895	0.25	ng	0.00
14) 2,4,6-Tribromophenol	16.00	330	649	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	9374	0.26	ng	-0.02
25) Fluoranthene-d10	19.27	212	70844	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	15869	0.34	ng	0.00
Target Compounds						Qvalue
23) Phenanthrene	17.27	178	6696	0.132	ng	96
24) Anthracene	17.36	178	2063m	0.030	ng	
26) Fluoranthene	19.30	202	14260	0.177	ng	99
28) Pyrene	19.66	202	12188	0.146	ng	# 86
30) Benzo(a)anthracene	21.39	228	7097	0.094	ng	95
31) Chrysene	21.44	228	6576m	0.078	ng	
32) Bis(2-ethylhexyl)phthalate	21.30	149	843810	8.160	ng	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	3680	0.048	ng	94
35) Benzo(b)fluoranthene	23.14	252	8180	0.098	ng	# 79
36) Benzo(k)fluoranthene	23.19	252	3224m	0.038	ng	
37) Benzo(a)pyrene	23.80	252	5347	0.071	ng	# 72
39) Benzo(a,h,i)perylene	27.36	276	3972	0.054	ng	# 91

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

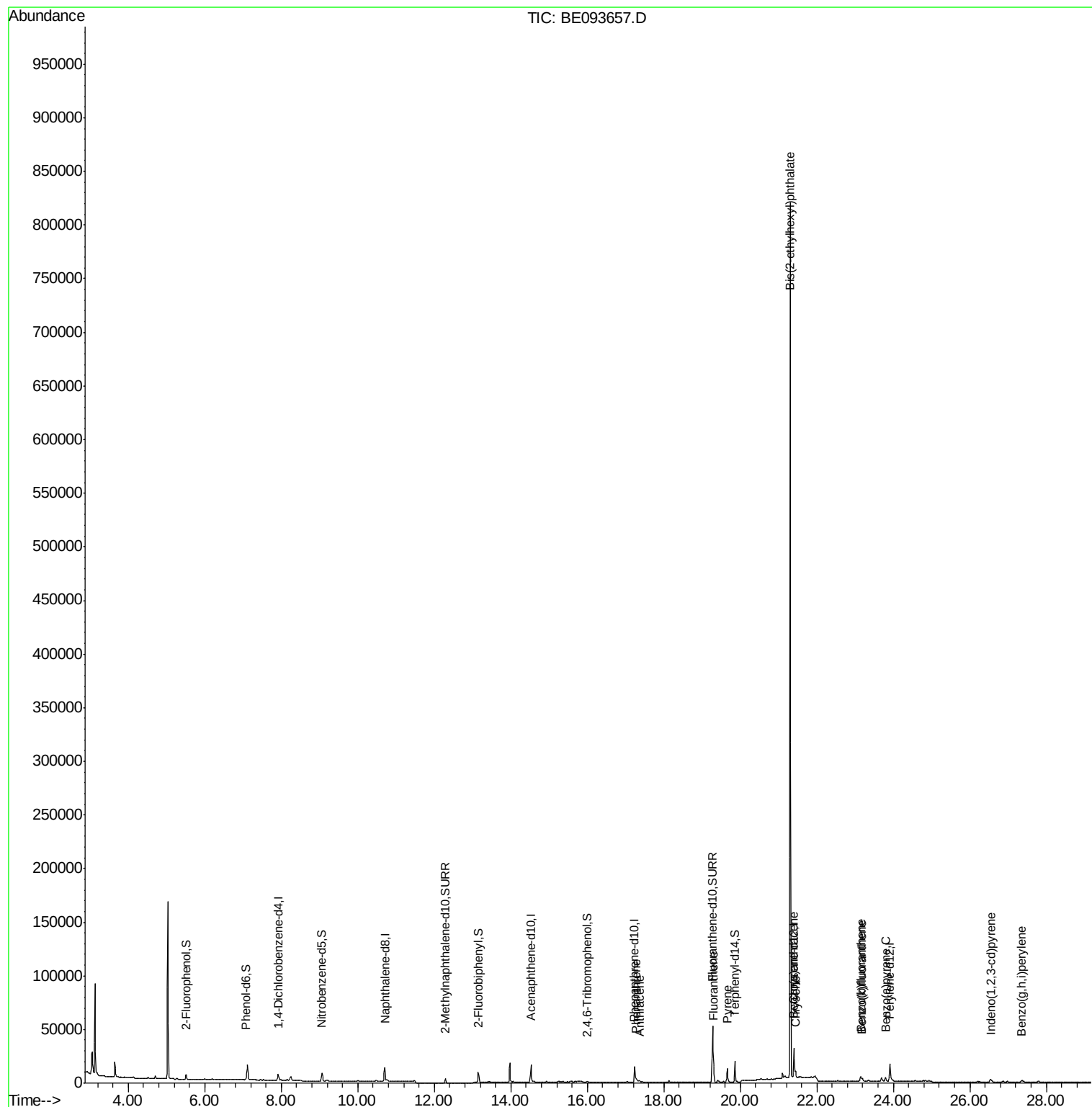
Data Path : Z:\HPCHEM1\BNA E\DATA\BE080317\
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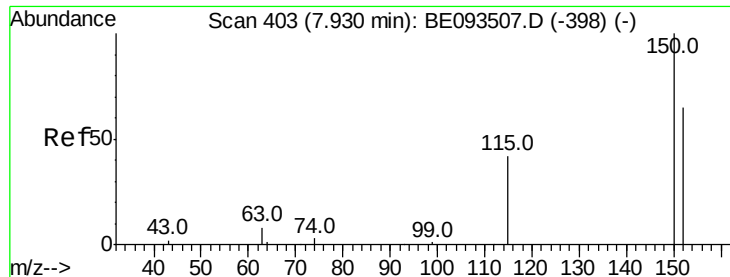
Instrument :
BNA_E
ClientSampleID :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

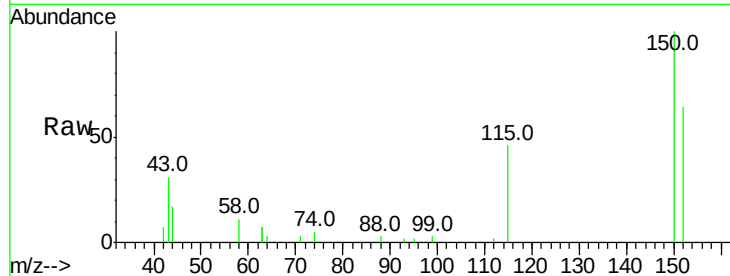
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.01 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampled :
CSSB-32-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.1	187.7
115	71.3	55.7	83.5

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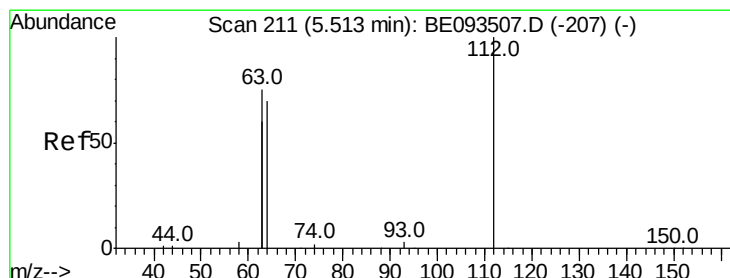
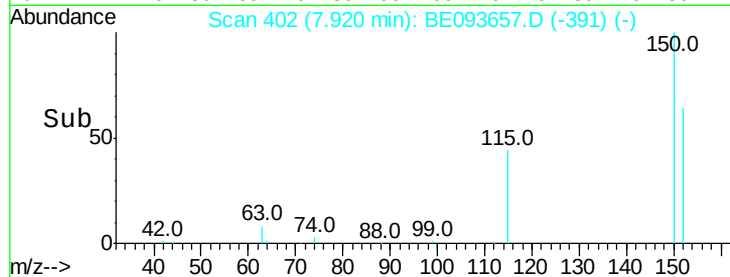
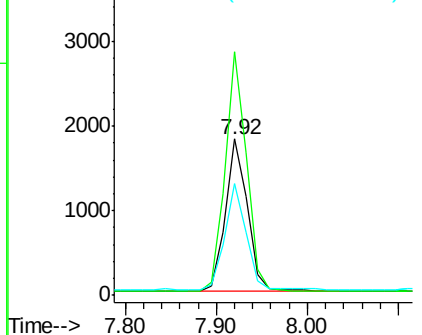


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

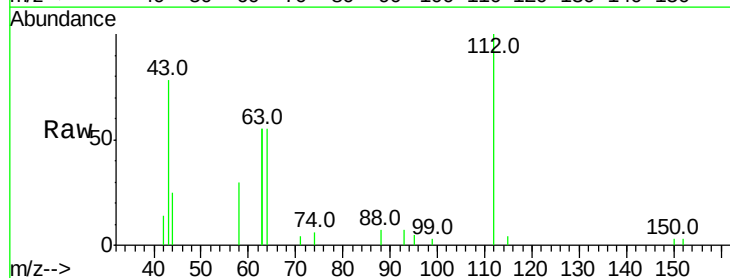
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.303 ng
RT: 5.52 min Scan# 211
Delta R.T. 0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.4	84.6
63	138.4	29.3	43.9#

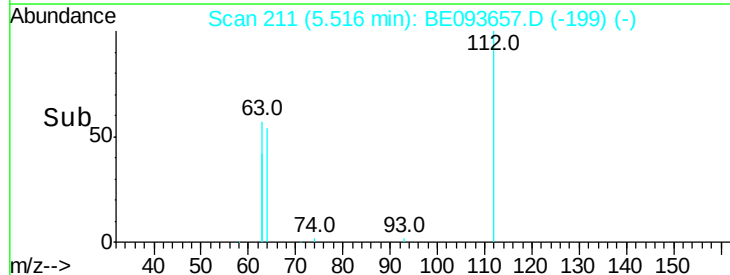
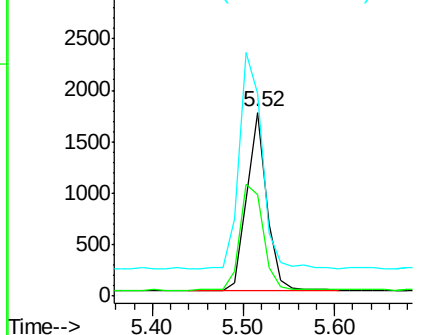


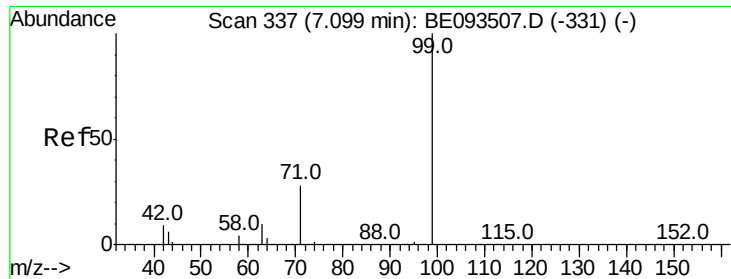
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.312 ng

RT: 7.09 min Scan# 336

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

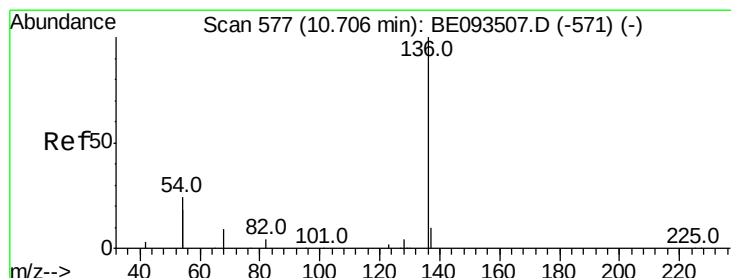
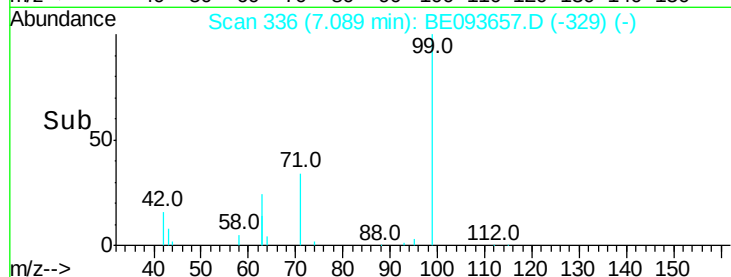
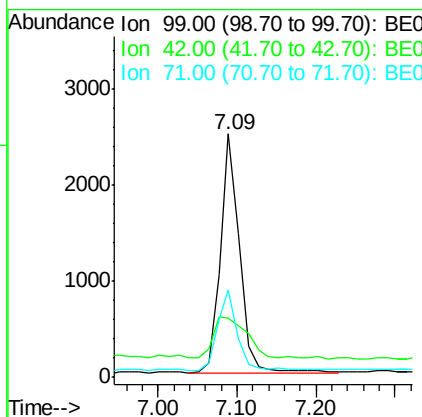
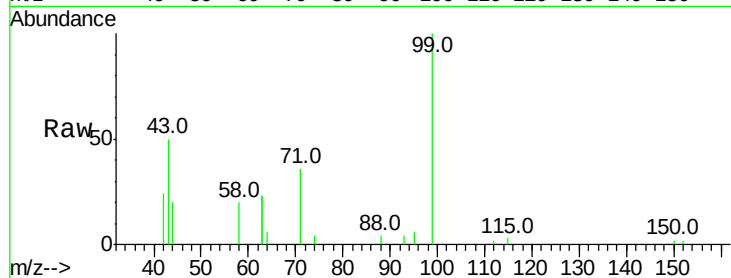
ClientSampleId :

CSSB-32-2

Tot Ion:	99	Resp:	4152
Ion	Ratio	Lower	Upper
99	100		
42	30.6	0.0	0.0#
71	34.4	0.0	0.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

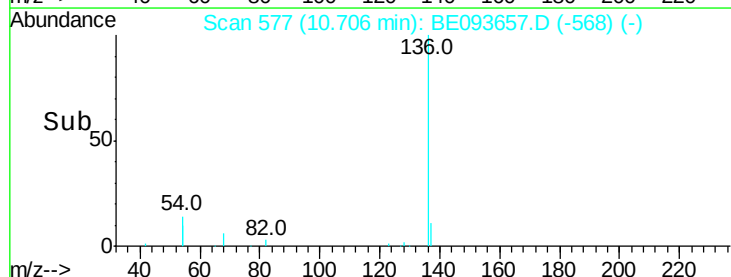
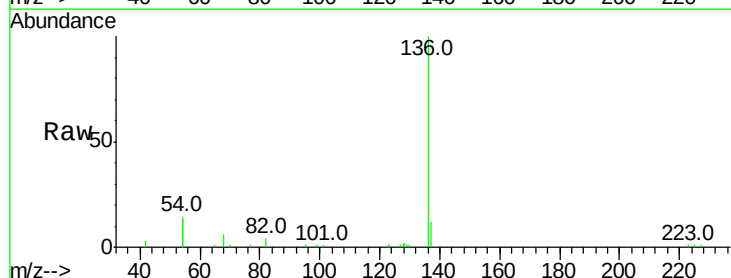
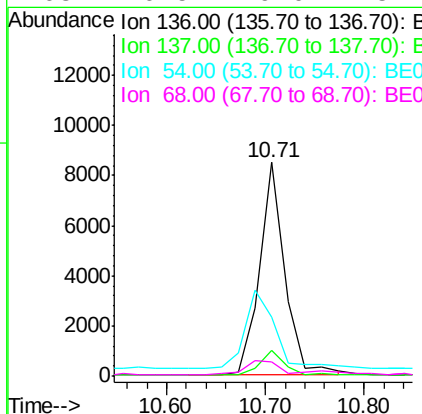
RT: 10.71 min Scan# 577

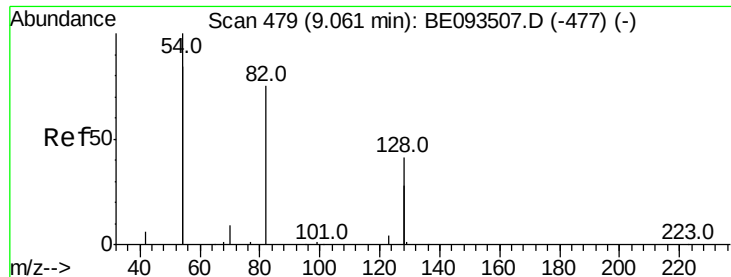
Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Tgt Ion:	136	Resp:	14937
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	27.4	10.3	15.5#
68	6.5	9.0	13.4#





#8

Nitrobenzene-d5

Concen: 0.280 ng

RT: 9.06 min Scan# 479

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

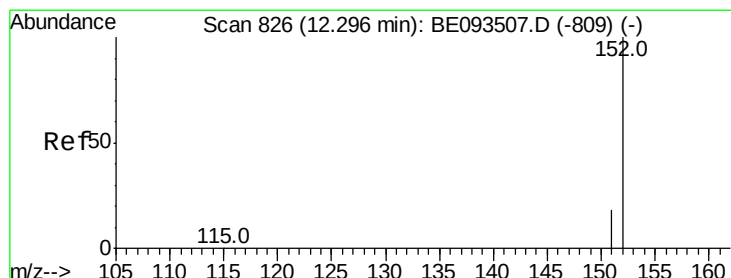
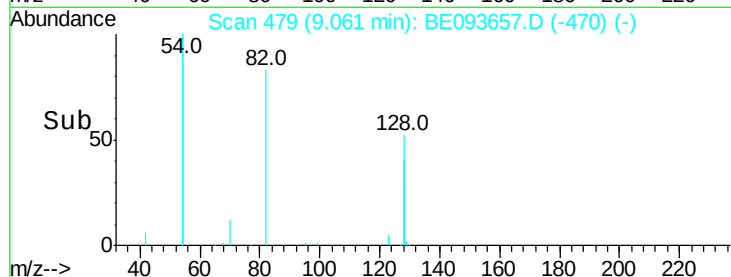
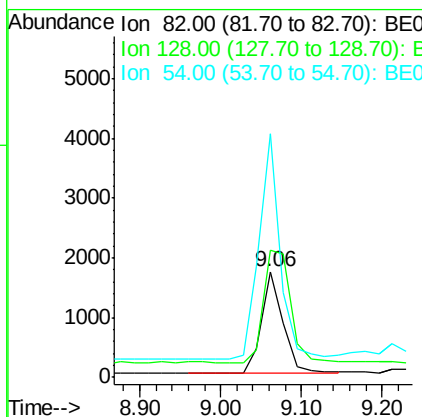
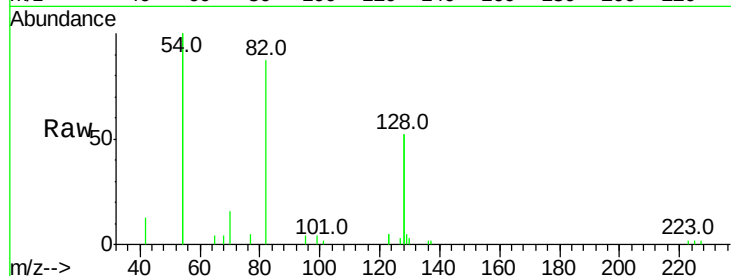
ClientSampled :

CSSB-32-2

Tot Ion:	82	Resp:	3197
Ion Ratio	Lower	Upper	
82	100		
128	120.5	17.0	25.4#
54	231.0	53.8	80.6#

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#11

2-Methylnaphthalene-d10

Concen: 0.250 ng

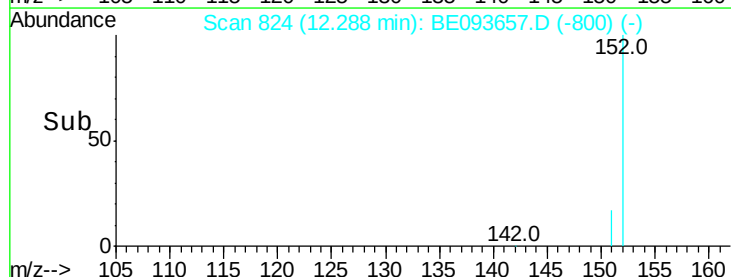
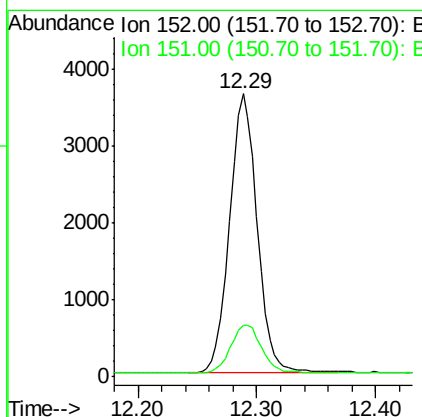
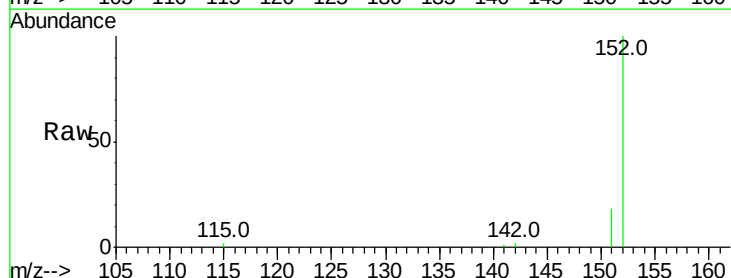
RT: 12.29 min Scan# 824

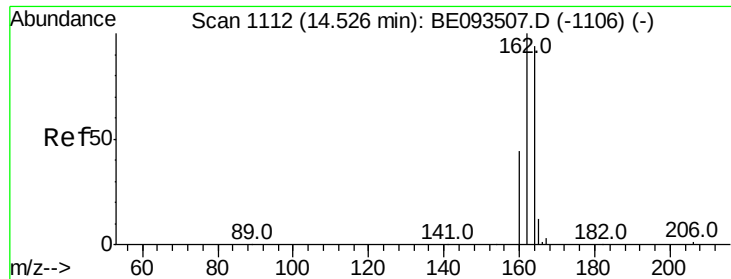
Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Tgt Ion:	152	Resp:	5895
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.1	22.7





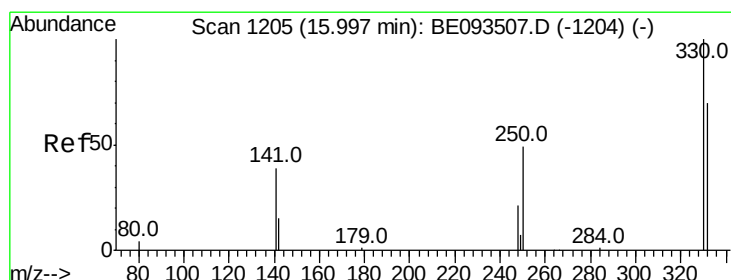
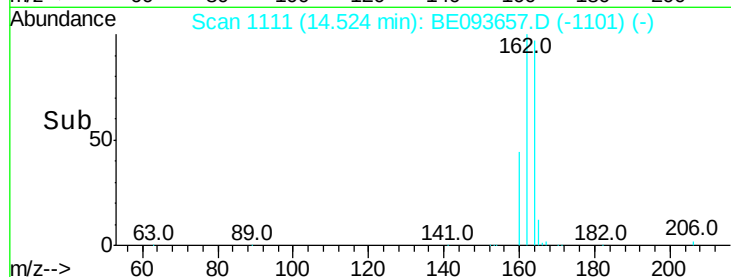
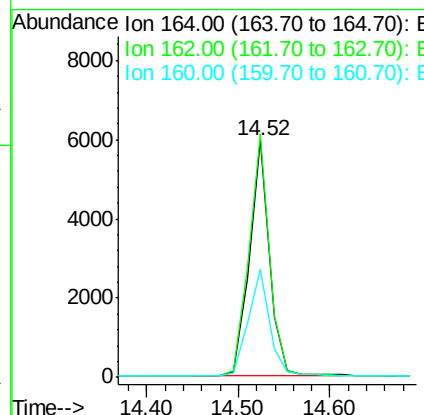
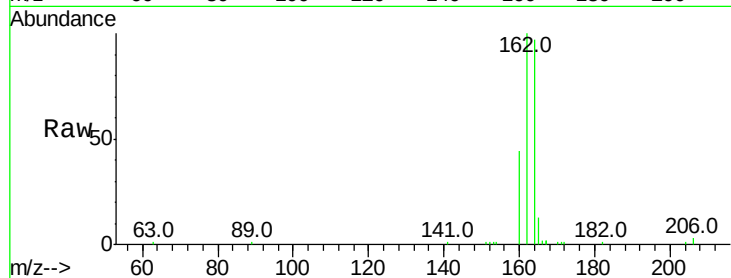
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.52 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-32-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	84.6	127.0
160	45.7	41.8	62.6

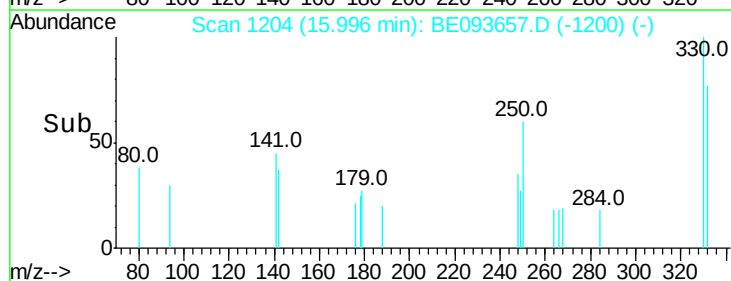
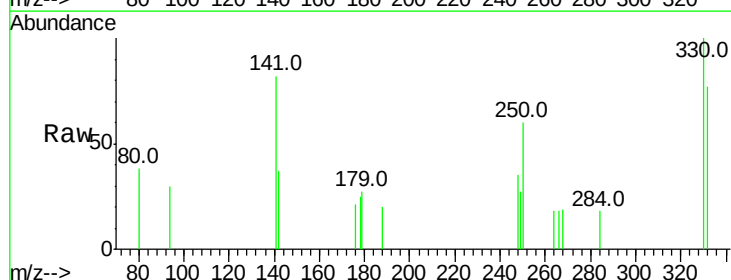
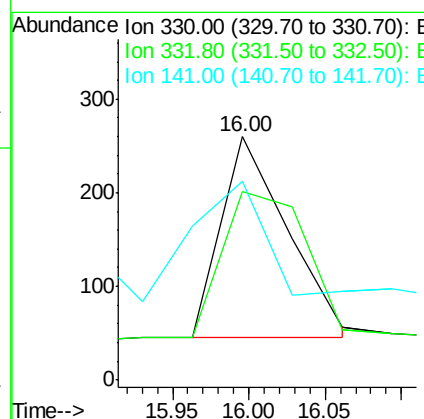
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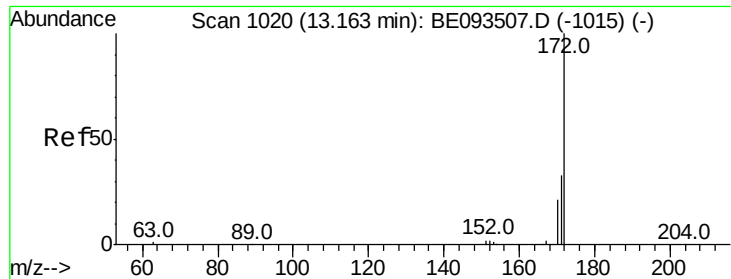
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#14
 2,4,6-Tribromophenol
 Concen: 0.348 ng
 RT: 16.00 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.8	77.7	116.5
141	64.9	56.2	84.4





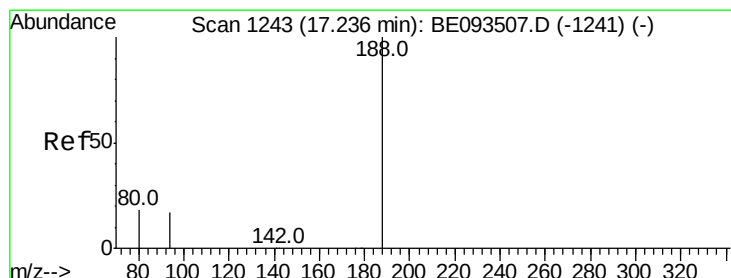
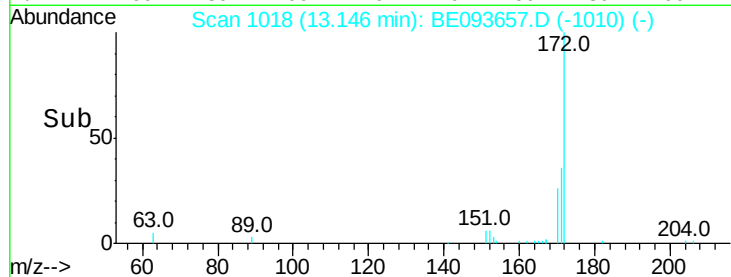
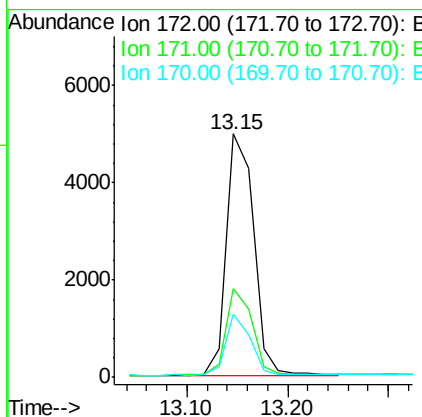
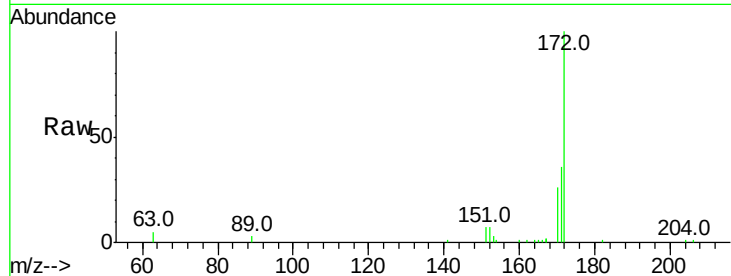
#15
2-Fluorobiphenyl
Concen: 0.260 ng
RT: 13.15 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampled :
CSSB-32-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	26.0	20.7	31.1

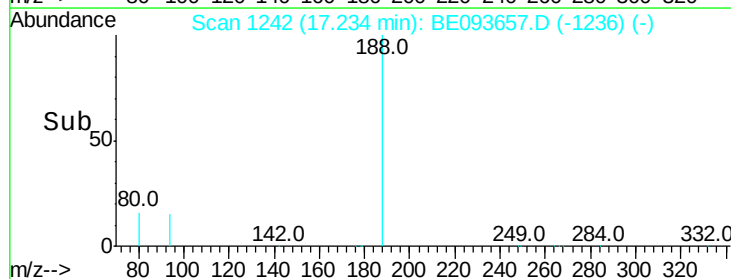
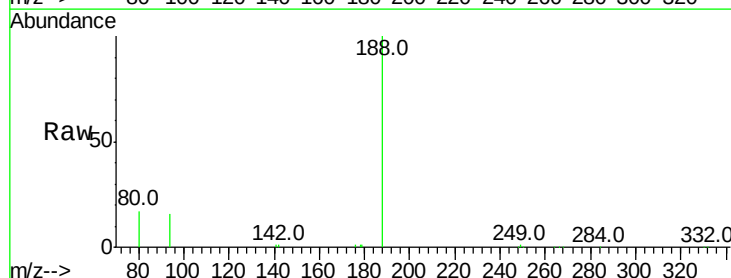
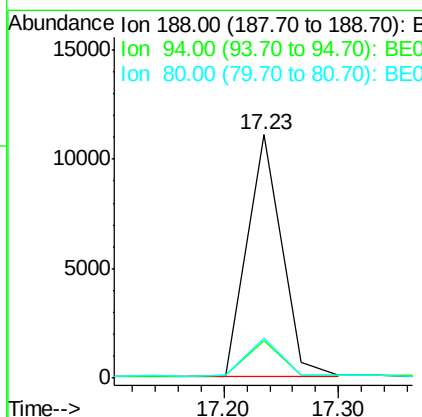
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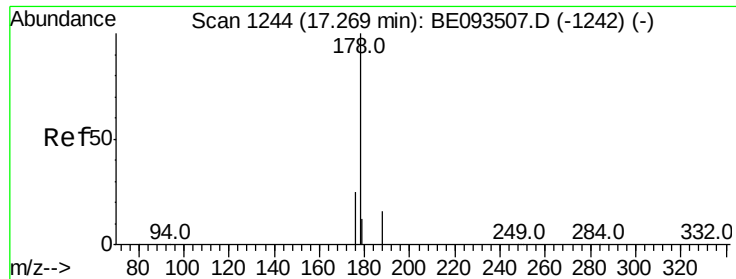
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.6	11.3	16.9
80	16.6	11.7	17.5





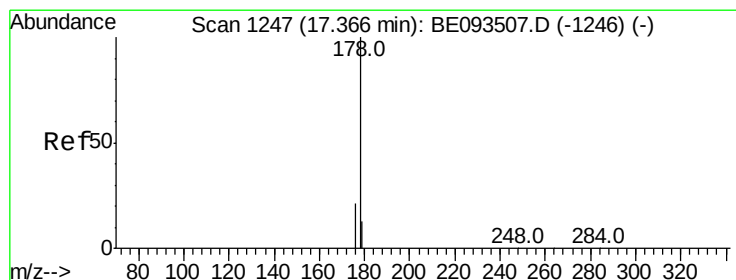
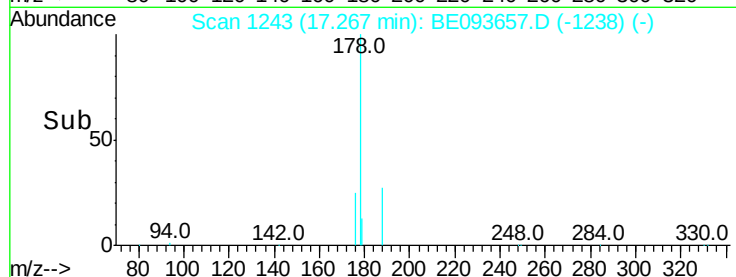
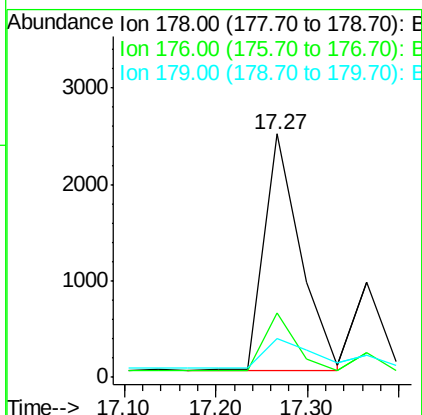
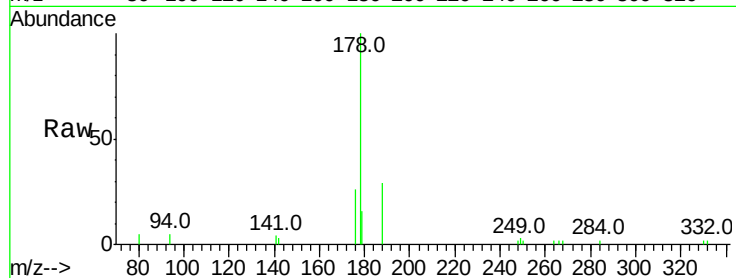
#23
Phenanthrene
Concen: 0.132 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampled :
CSSB-32-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.0	22.4
179	16.7	12.7	19.1

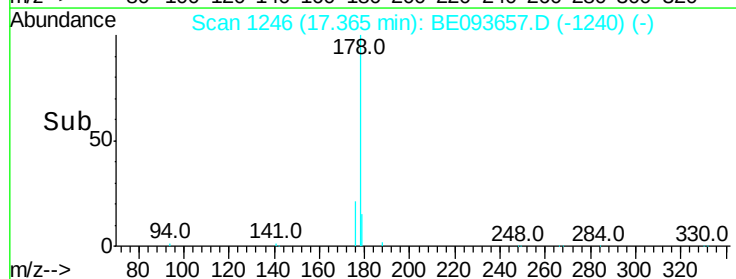
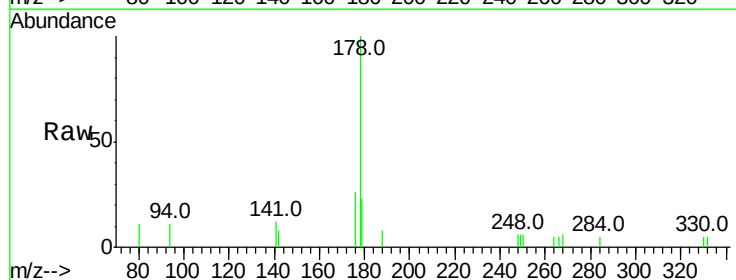
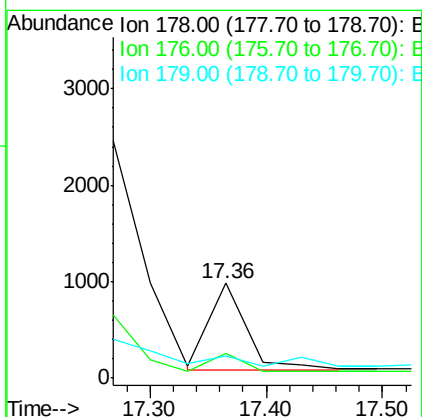
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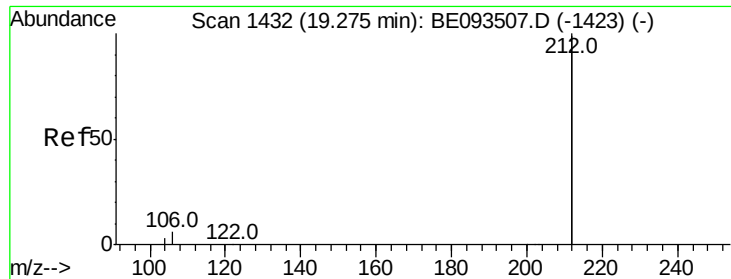
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#24
Anthracene
Concen: 0.030 ng m
RT: 17.36 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	67.8	14.6	22.0#
179	64.2	12.0	18.0#





#25

Fluoranthene-d10

Concen: 0.271 ng

RT: 19.27 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

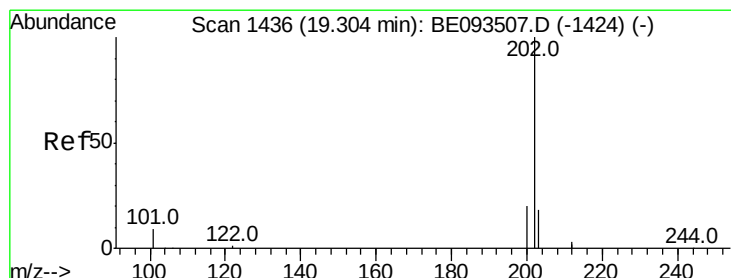
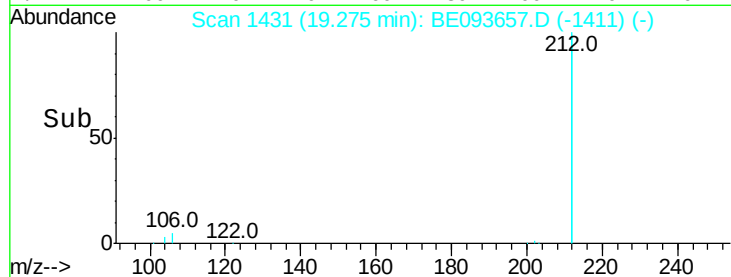
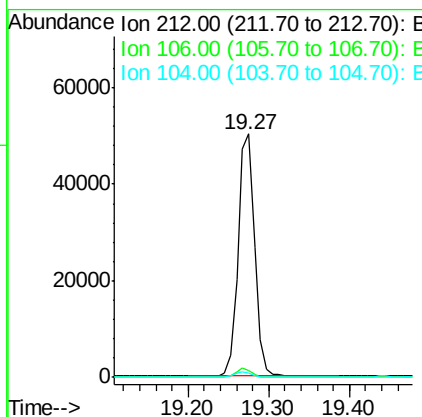
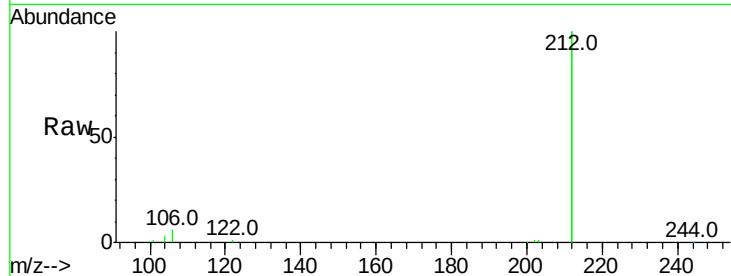
ClientSampled :

CSSB-32-2

Tot Ion:	212	Resp:	70844
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.4	3.6
104	2.0	1.6	2.4

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#26

Fluoranthene

Concen: 0.177 ng

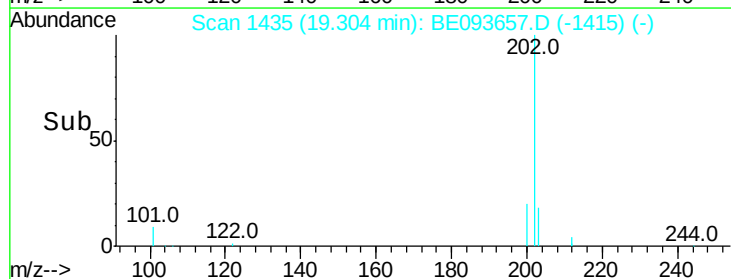
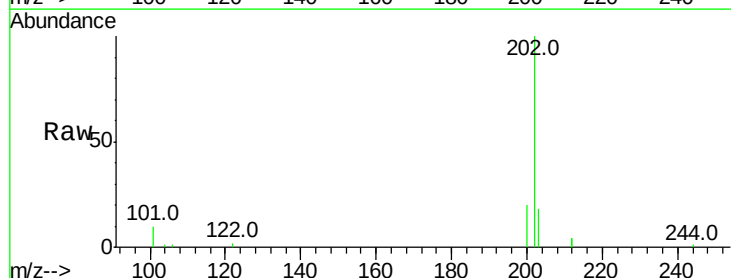
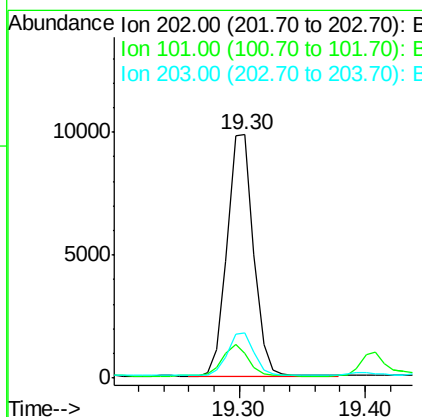
RT: 19.30 min Scan# 1435

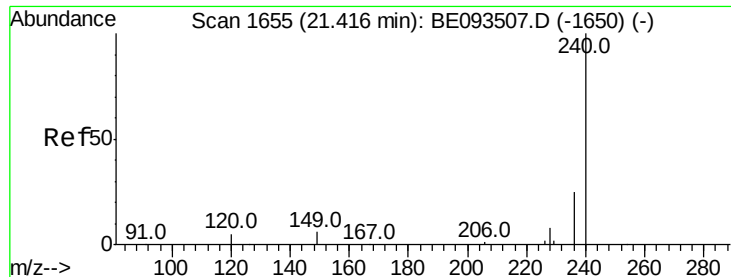
Delta R.T. 0.00 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Tgt Ion:	202	Resp:	14260
Ion Ratio	Lower	Upper	
202	100		
101	13.0	9.6	14.4
203	17.9	14.4	21.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.40 min Scan# 1653

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

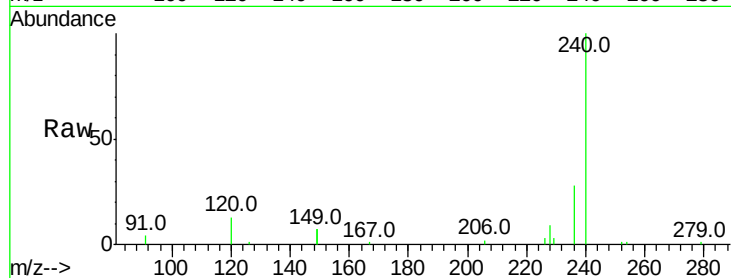
ClientSampled :

CSSB-32-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	4.6	7.0#
236	27.6	20.8	31.2

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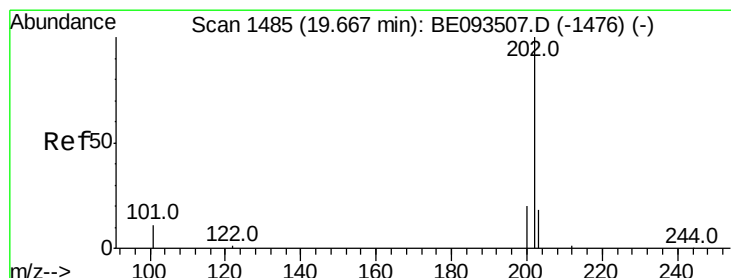
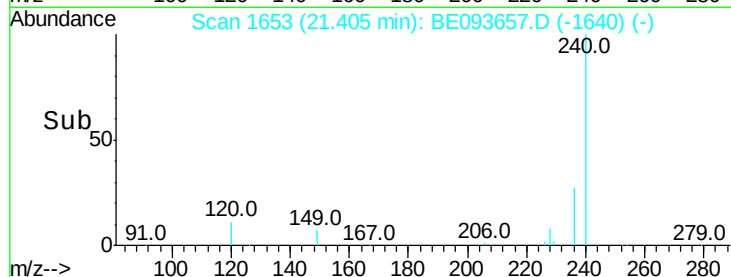
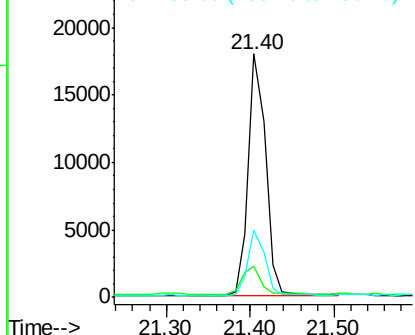


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.146 ng

RT: 19.66 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

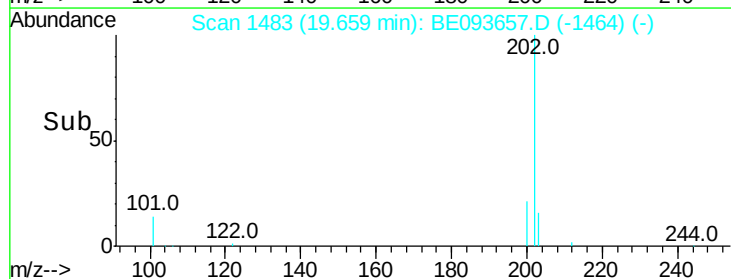
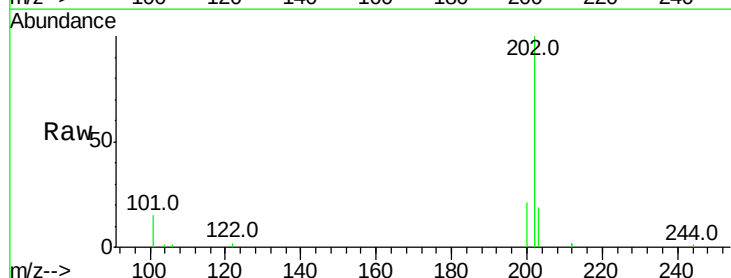
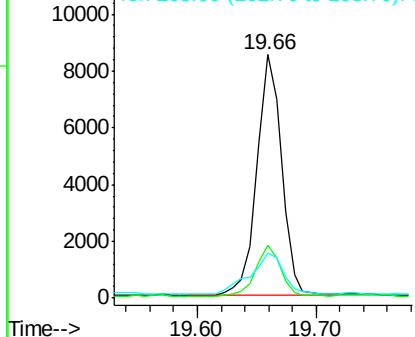
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	0.0	0.0#
203	23.4	13.7	20.5#

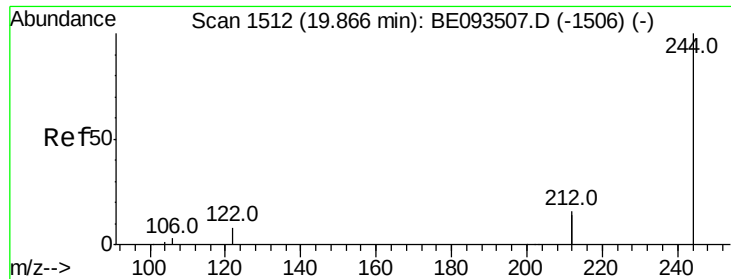
Abundance

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





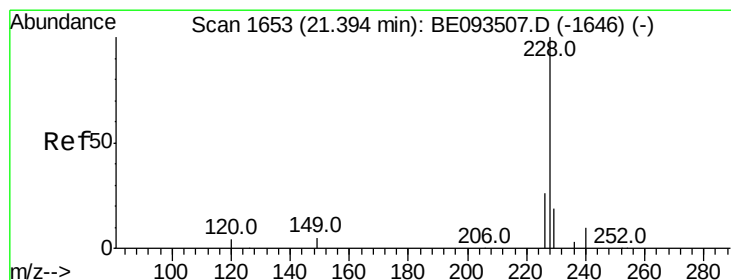
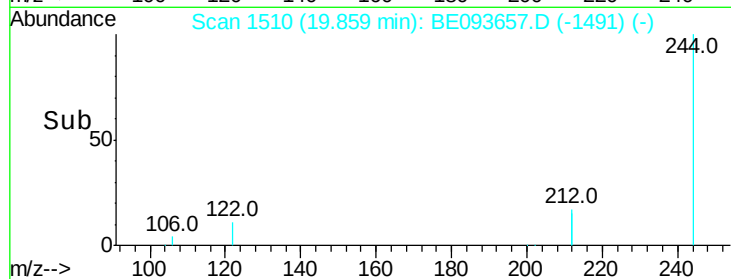
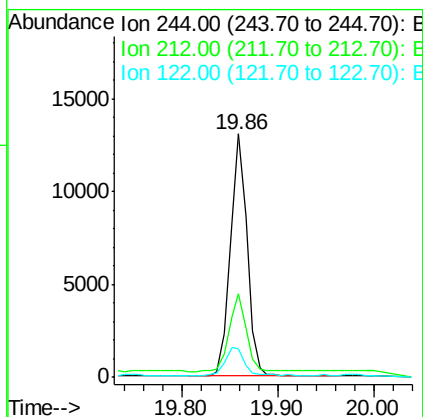
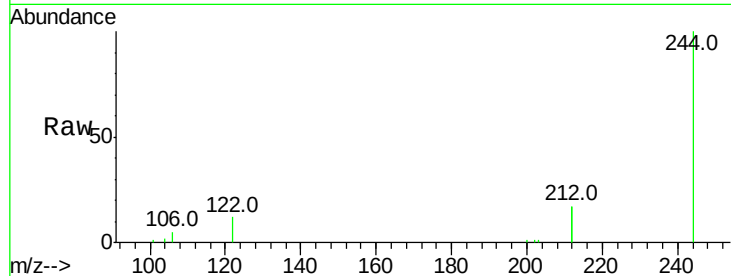
#29
 Terphenyl-d14
 Concen: 0.342 ng
 RT: 19.86 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-32-2

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	34.5	10.6	16.0	
122	12.0	15.4	23.0	

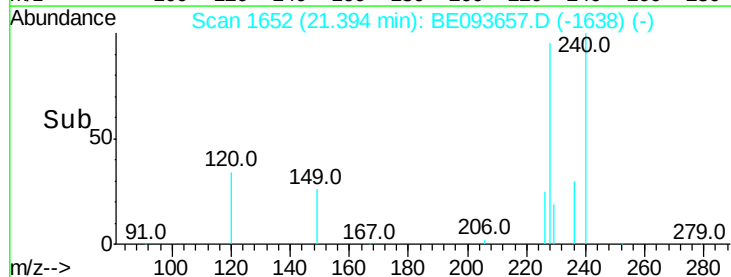
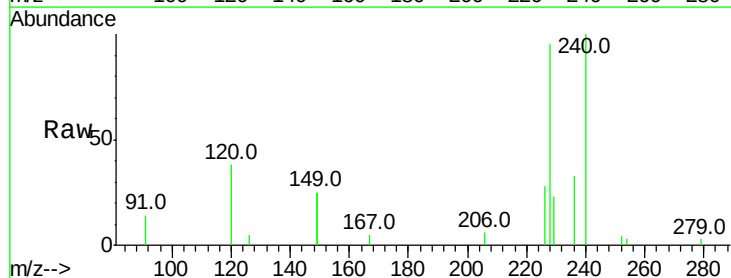
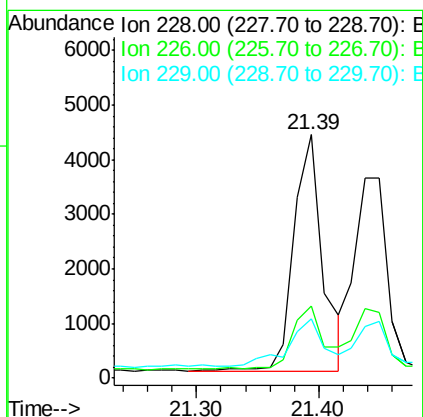
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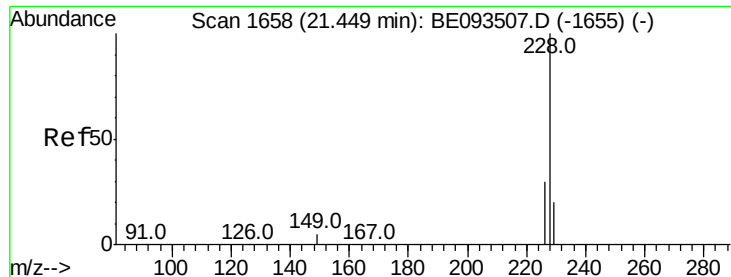
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#30
 Benzo(a)anthracene
 Concen: 0.094 ng
 RT: 21.39 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.4	19.7	29.5	
229	24.3	19.2	28.8	





#31

Chrysene

Concen: 0.078 ng/mL

RT: 21.44 min Scan# 1656

Delta R.T. -0.01 min

Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Instrument :

BNA_E

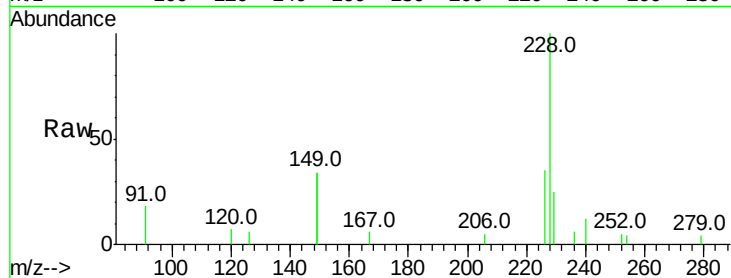
ClientSampleID :

CSSB-32-2

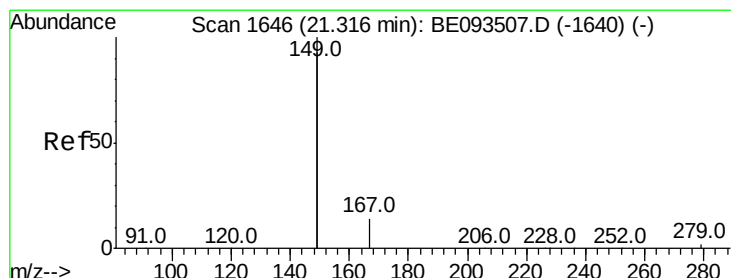
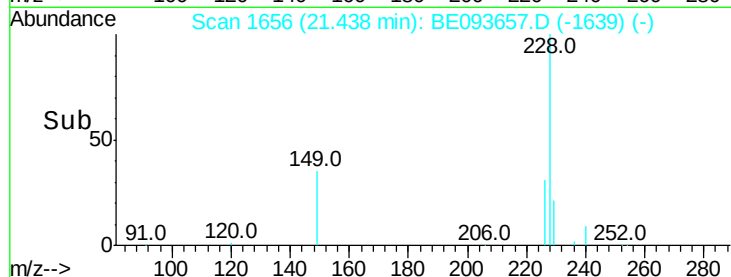
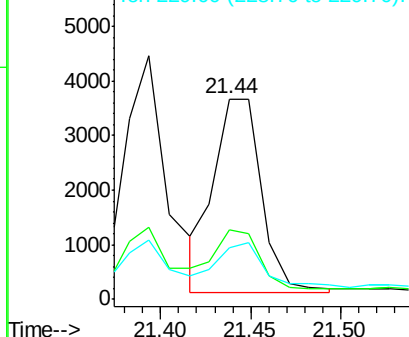
Tot Ion:	228	Resp:	6576
Ion	Ratio	Lower	Upper
228	100		
226	34.5	21.5	32.3#
229	25.5	18.6	28.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 8.160 ng/mL

RT: 21.30 min Scan# 1644

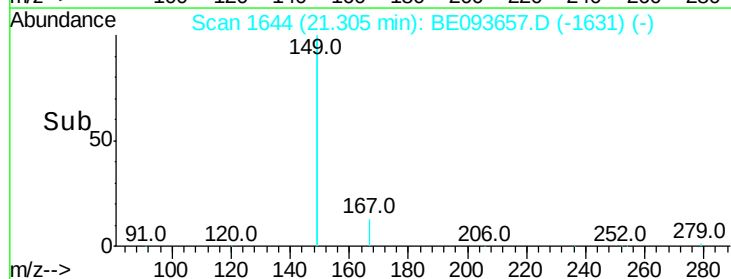
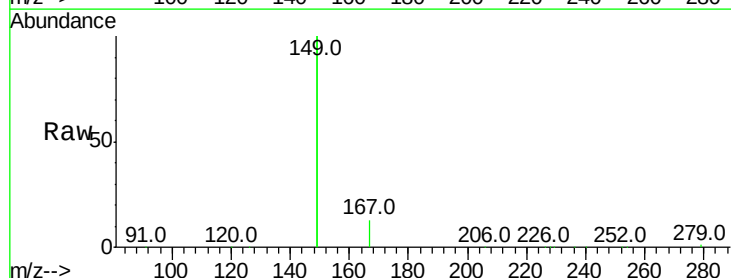
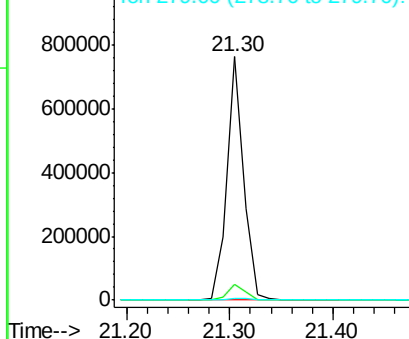
Delta R.T. -0.01 min

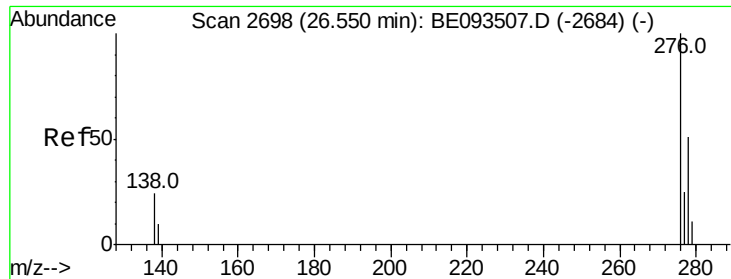
Lab File: BE093657.D

Acq: 3 Aug 2017 14:34

Tgt Ion:	149	Resp:	843810
Ion	Ratio	Lower	Upper
149	100		
167	6.7	4.8	7.2
279	0.9	0.8	1.2

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





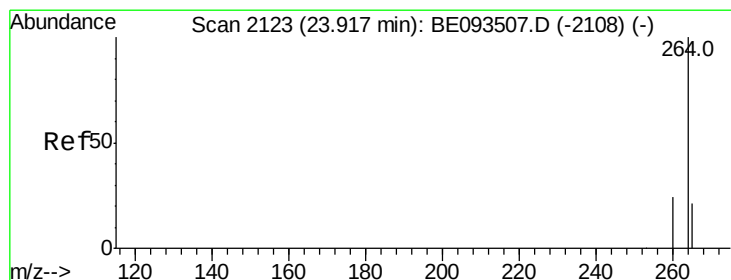
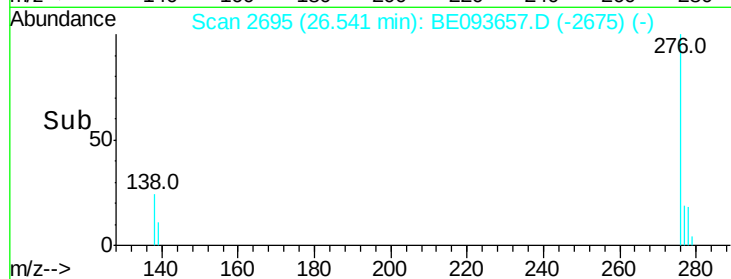
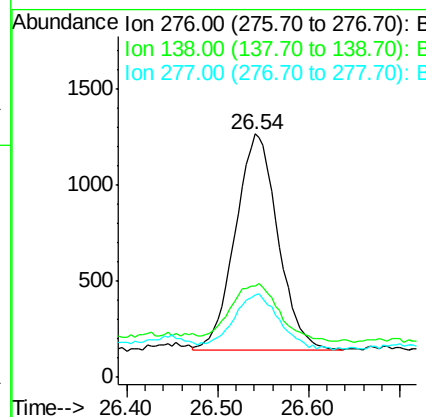
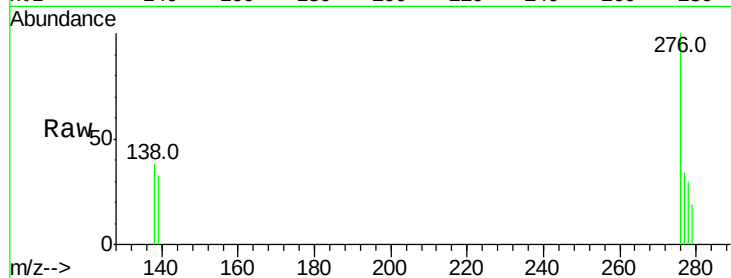
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.048 ng
 RT: 26.54 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Instrument :
 BNA_E
 ClientSampleId :
 CSSB-32-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	27.4	41.2
277	28.2	20.1	30.1

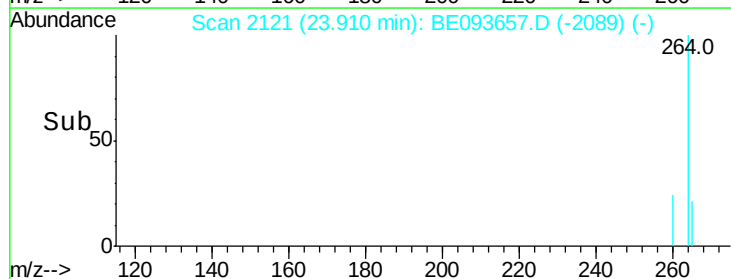
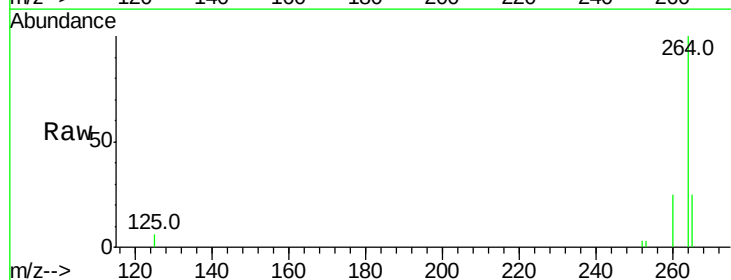
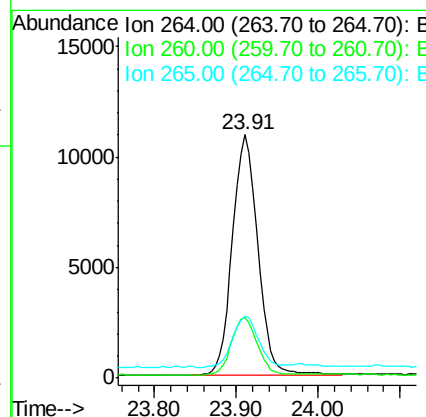
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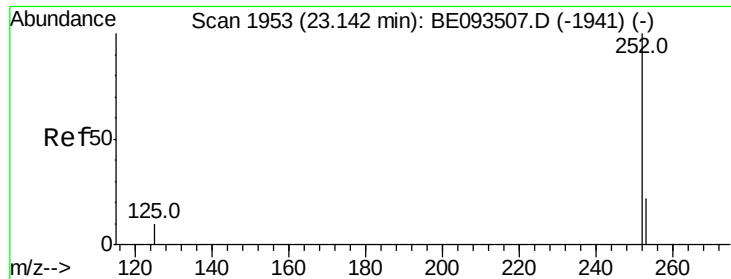
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BE093657.D
 Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	21.0	31.4
265	25.5	24.6	36.8





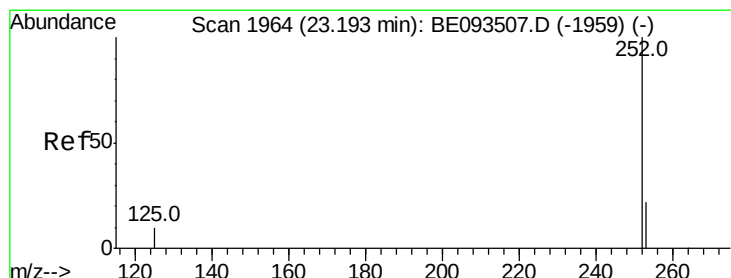
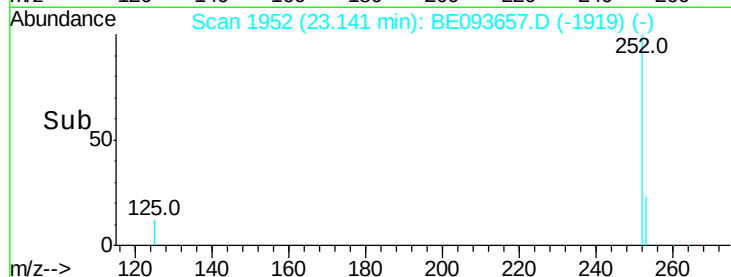
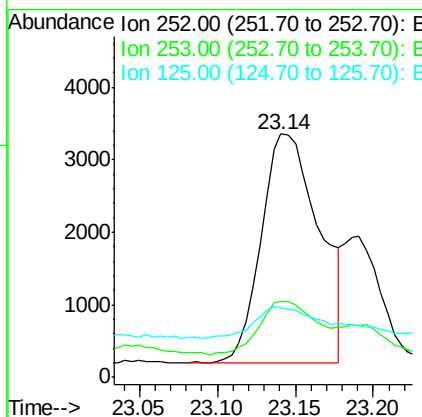
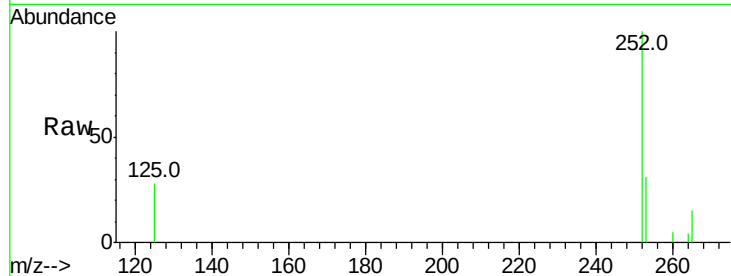
#35
Benzo(b)fluoranthene
Concen: 0.098 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampled :
CSSB-32-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.3	18.5	27.7#
125	28.5	13.4	20.0#

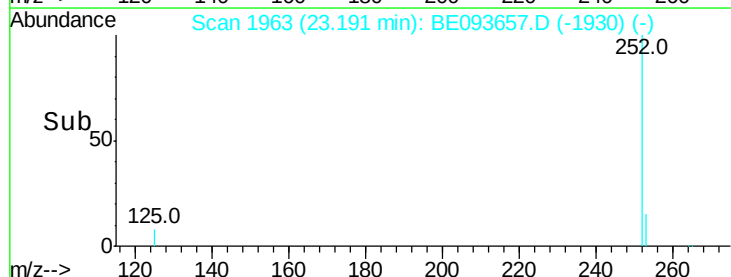
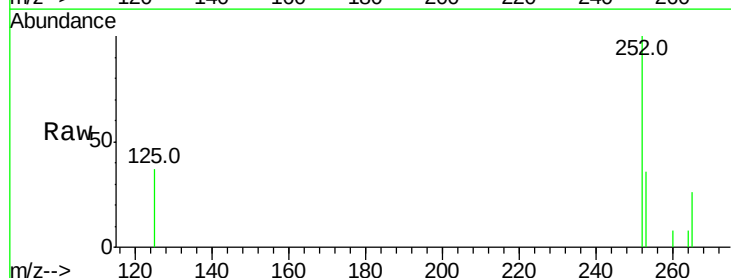
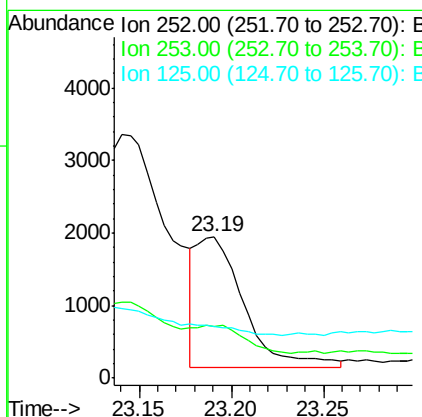
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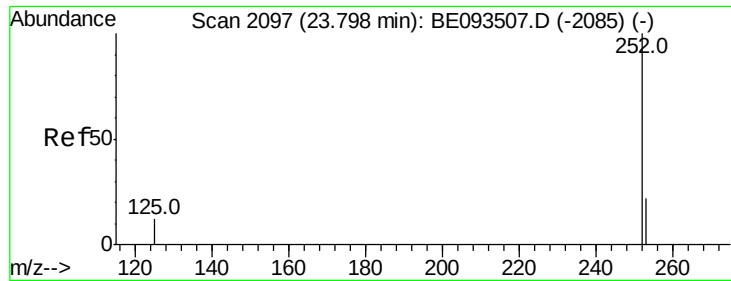
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#36
Benzo(k)fluoranthene
Concen: 0.038 ng m
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.1	20.3	30.5#
125	36.9	12.2	18.4#





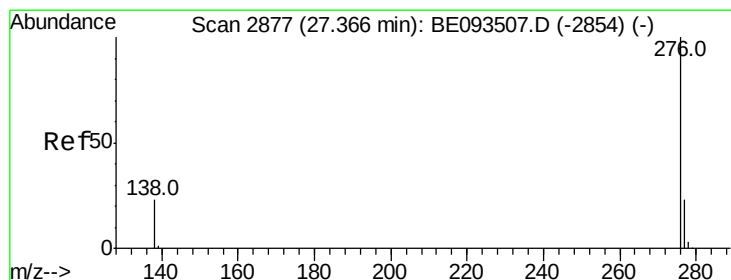
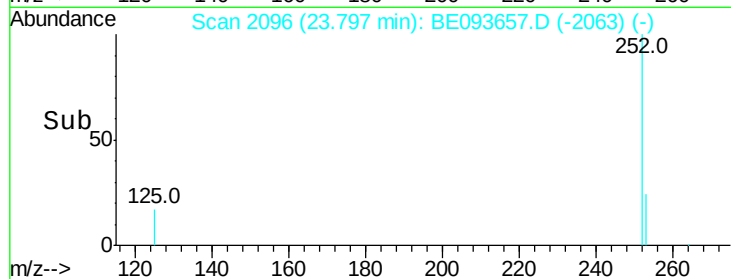
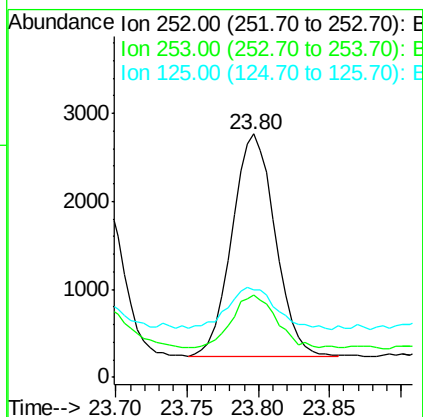
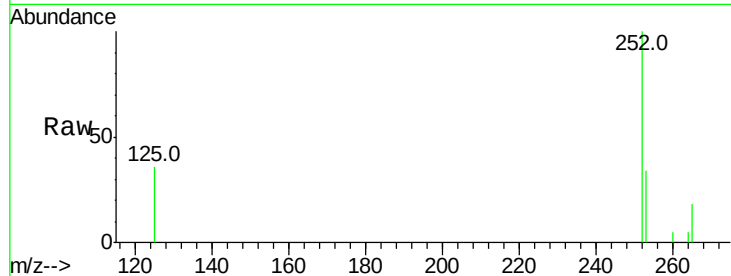
#37
Benzo(a)pyrene
Concen: 0.071 ng
RT: 23.80 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Instrument :
BNA_E
ClientSampled :
CSSB-32-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.0	19.9	29.9#
125	36.1	14.6	21.8#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.054 ng
RT: 27.36 min Scan# 2875
Delta R.T. -0.00 min
Lab File: BE093657.D
Acq: 3 Aug 2017 14:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.4	21.2	31.8#
138	33.8	24.5	36.7

