

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095715.D
 Acq On : 7 Mar 2018 1:45
 Operator : SJ/JU
 Sample : J1811-11 20X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-11_030518

Manual Integrations
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Sohil
 3/7/2018 12:20:32 PM

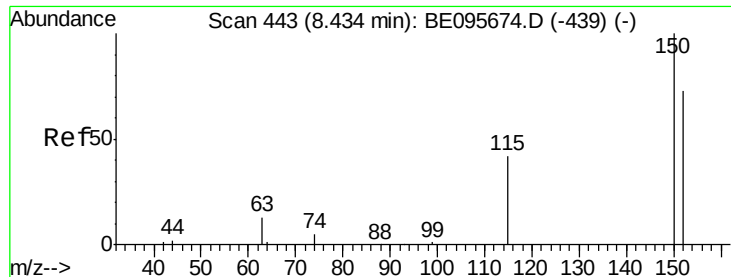
Quant Time: Mar 07 03:14:23 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 12:12:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1441	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5912	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3504	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7865	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7861	0.40	ng	0.00
34) Perylene-d12	24.42	264	7508	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	52	0.01	ng	0.00
5) Phenol-d6	7.57	99	63	0.01	ng	0.01
8) Nitrobenzene-d5	9.61	82	81	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	133	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	22	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	185	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	960	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	188	0.01	ng	-0.01

Target Compounds				Qvalue		
9) Naphthalene	11.32	128	1964	0.029	ng	# 90
12) 2-Methylnaphthalene	12.88	142	860	0.073	ng	95
16) Acenaphthylene	14.74	152	422	0.021	ng	# 80
23) Phenanthrene	17.75	178	8711	0.354	ng	98
24) Anthracene	17.84	178	1511	0.067	ng	# 91
26) Fluoranthene	19.72	202	9792	0.324	ng	96
28) Pyrene	20.07	202	19220	0.598	ng	97
30) Benzo(a)anthracene	21.78	228	6983	0.272	ng	97
31) Chrysene	21.84	228	7042	0.276	ng	# 95
33) Indeno(1,2,3-cd)pyrene	27.23	276	3081	0.125	ng	# 93
35) Benzo(b)fluoranthene	23.61	252	6284	0.235	ng	# 94
36) Benzo(k)fluoranthene	23.66	252	2423m	0.091	ng	
37) Benzo(a)pyrene	24.30	252	5226	0.217	ng	# 91
38) Dibenzo(a,h)anthracene	27.24	278	1155	0.054	ng	# 64
39) Benzo(a,h,i)perylene	28.10	276	4167	0.181	ng	# 92

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



#1

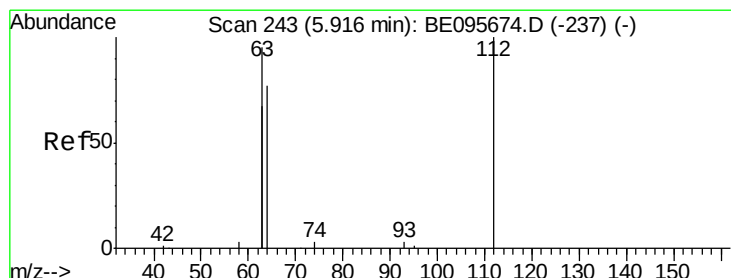
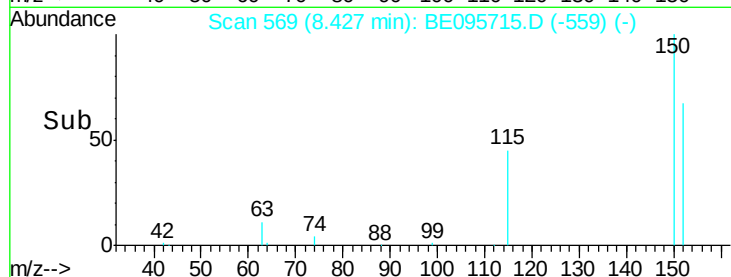
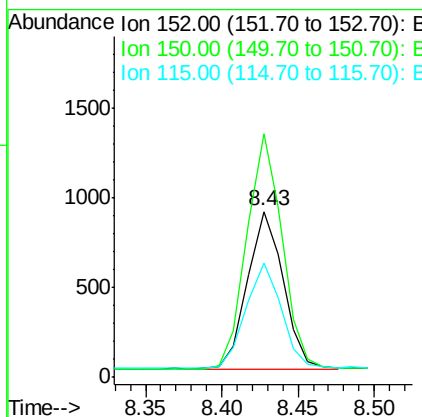
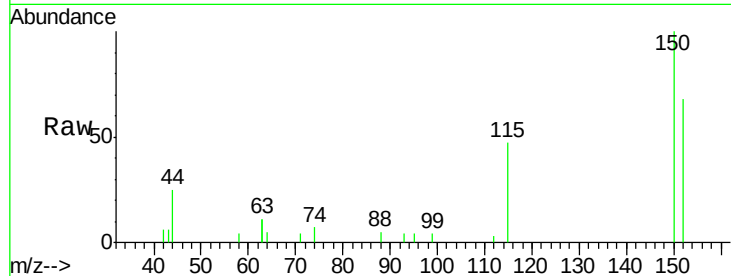
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	117.2	175.8
115	69.3	57.0	85.6

Manual Integrations
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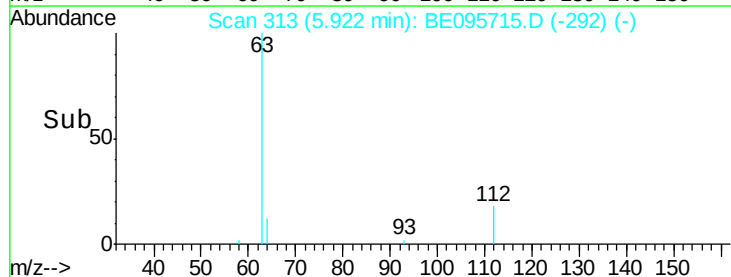
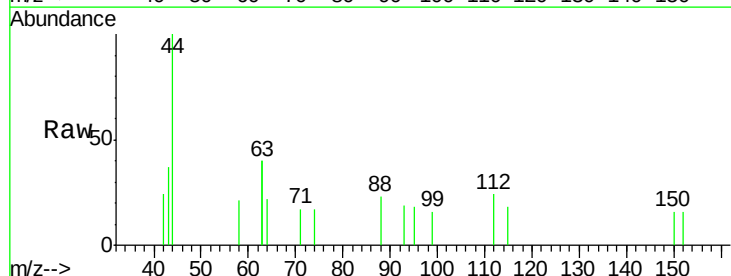
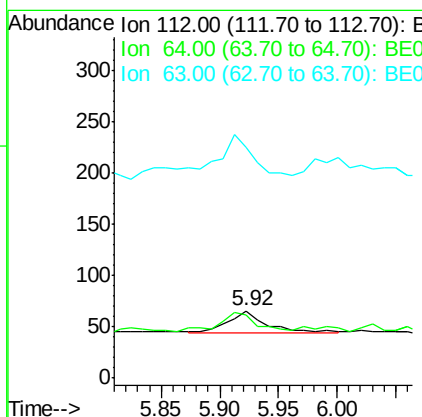
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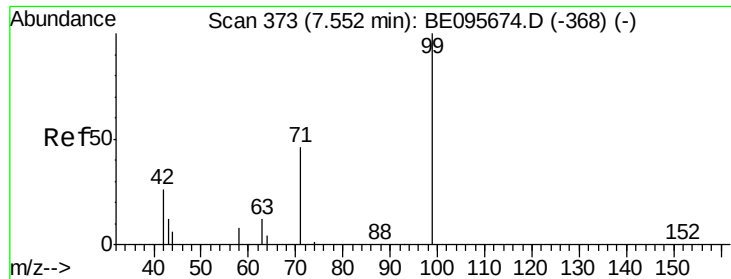


#4

2-Fluorophenol
Concen: 0.014 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	60.1	90.1
63	151.9	116.8	175.2





#5

Phenol-d6

Concen: 0.012 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

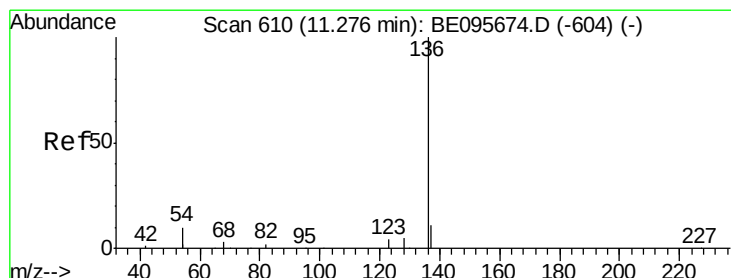
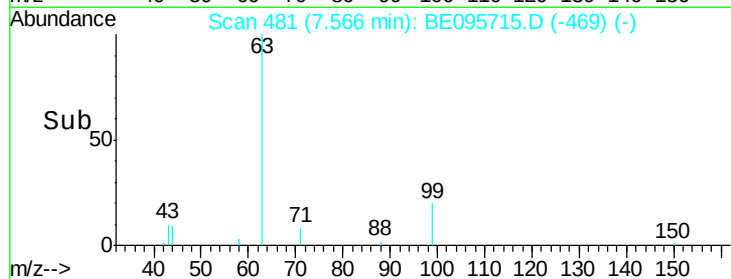
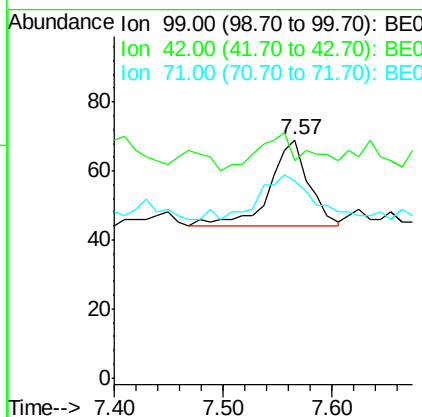
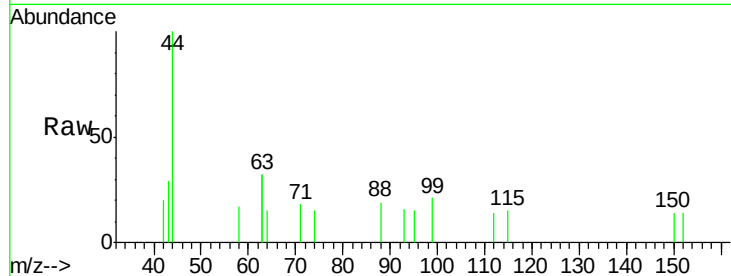
ClientSampled :

T-11_030518

Tot Ion:	99	Resp:	63
Ion	Ratio	Lower	Upper
99	100		
42	55.6	20.2	30.2#
71	65.1	28.4	42.6#

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

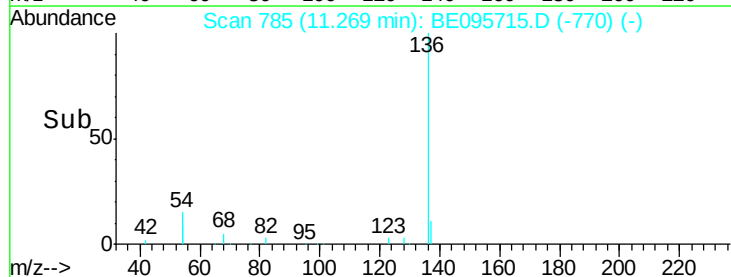
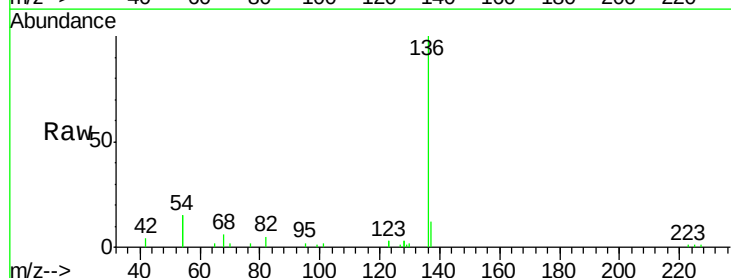
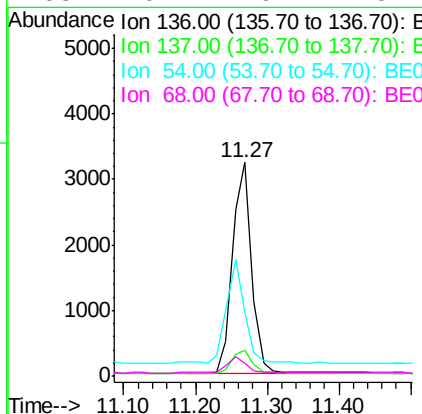
RT: 11.27 min Scan# 785

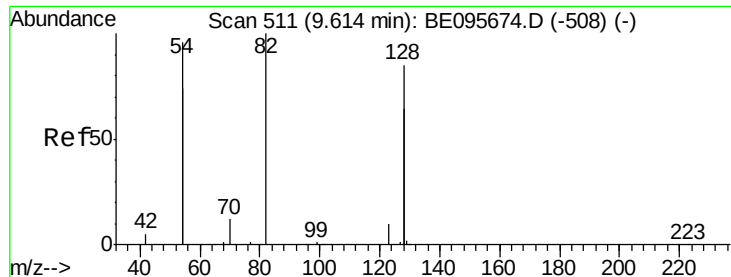
Delta R.T. -0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Tgt Ion:	136	Resp:	5912
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	30.2	29.1	43.7
68	6.2	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.013 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

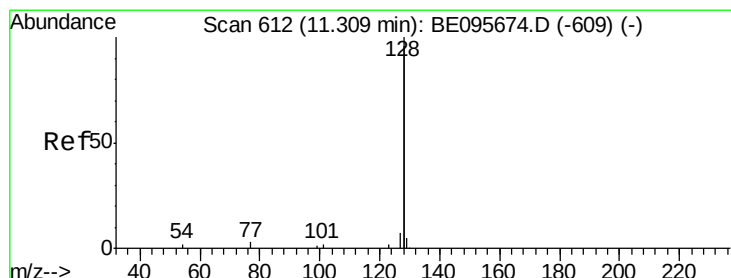
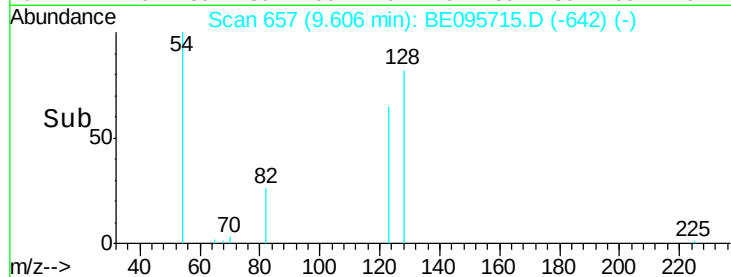
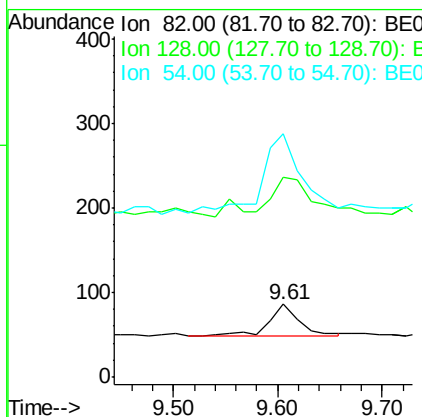
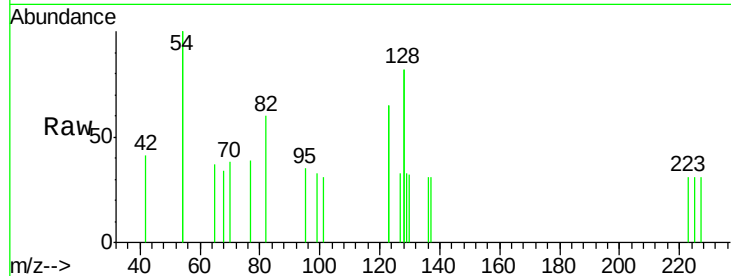
ClientSampleId :

T-11_030518

Tot Ion:	82	Resp:	81
Ion	Ratio	Lower	Upper
82	100		
128	274.4	150.0	225.0#
54	334.9	154.2	231.4#

Manual Integrations
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#9

Naphthalene

Concen: 0.029 ng

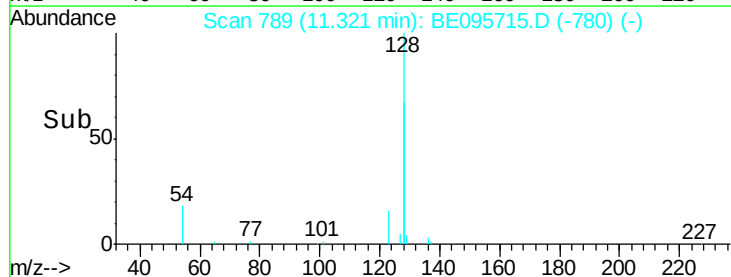
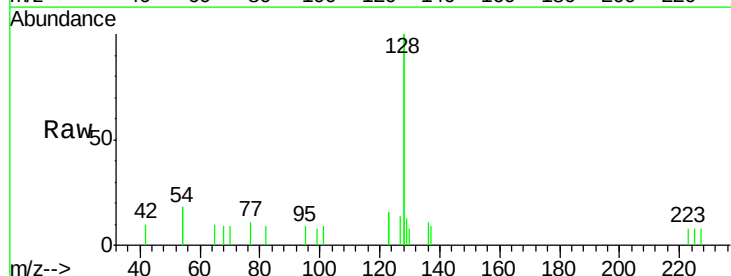
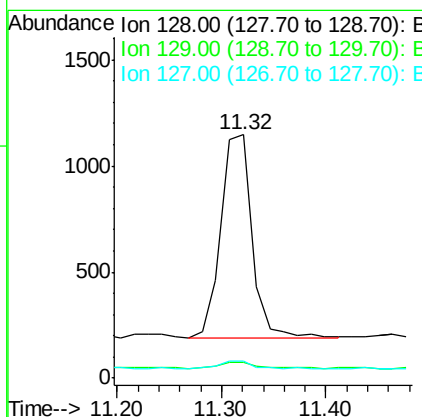
RT: 11.32 min Scan# 789

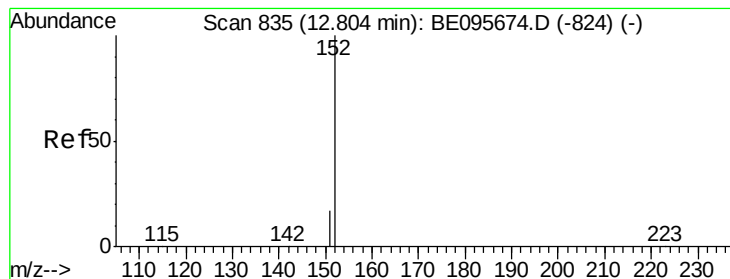
Delta R.T. 0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Tgt Ion:	128	Resp:	1964
Ion	Ratio	Lower	Upper
128	100		
129	6.4	2.6	3.8#
127	6.8	2.8	4.2#





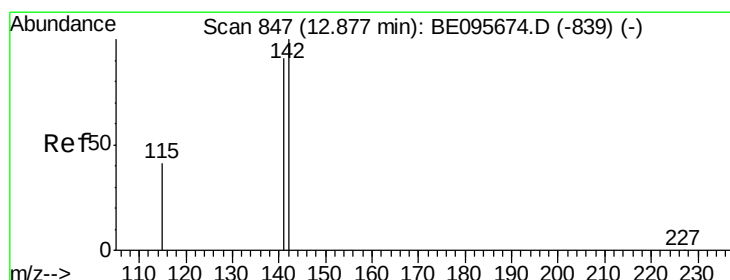
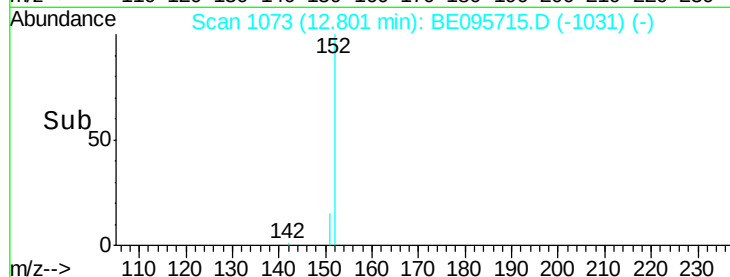
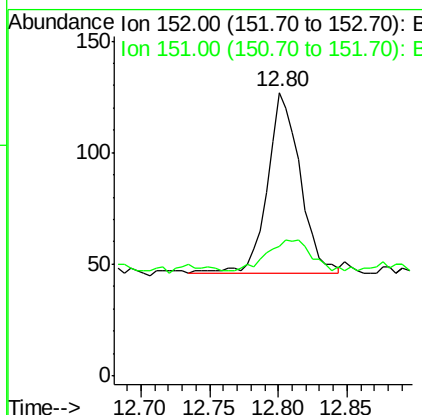
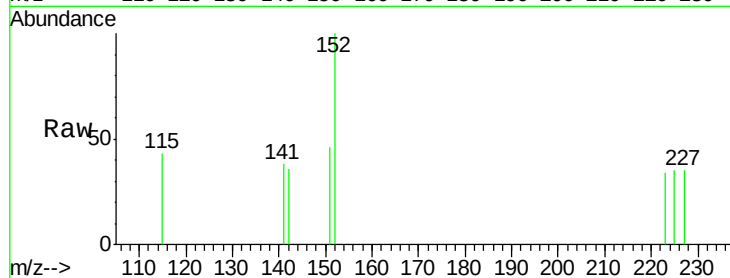
#11
2-Methylnaphthalene-d10
Concen: 0.013 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
152	100		
151	26.3	15.4	23.0#

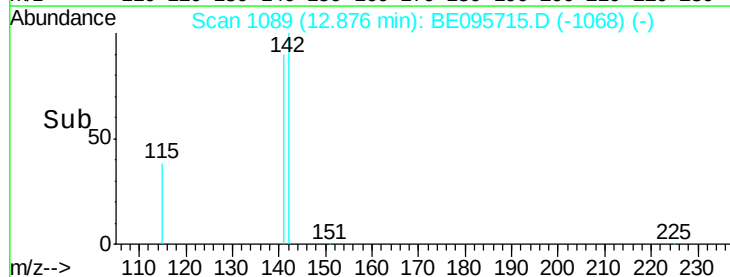
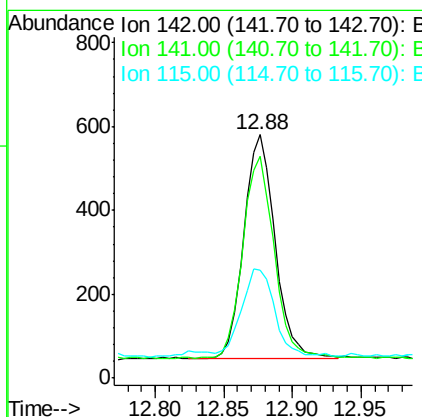
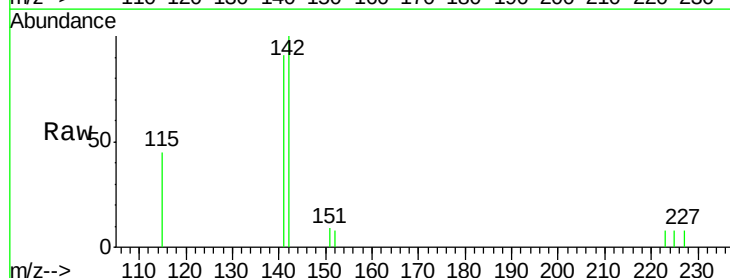
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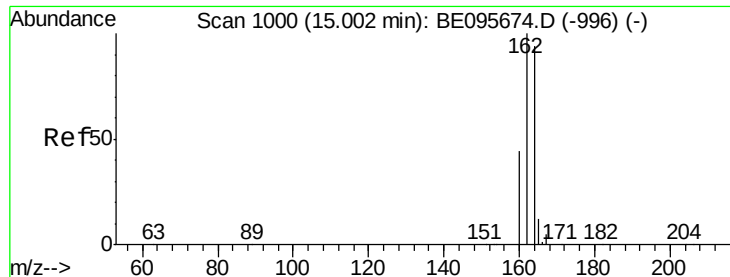
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#12
2-Methylnaphthalene
Concen: 0.073 ng
RT: 12.88 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.4	105.6
115	44.6	31.7	47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

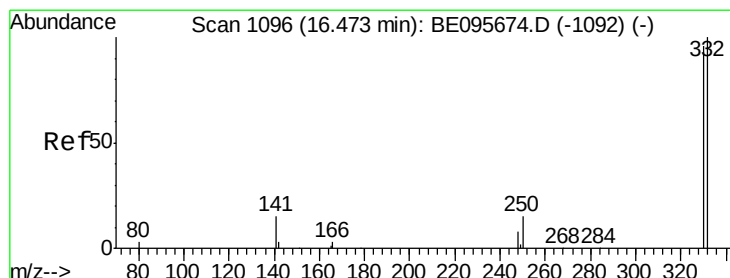
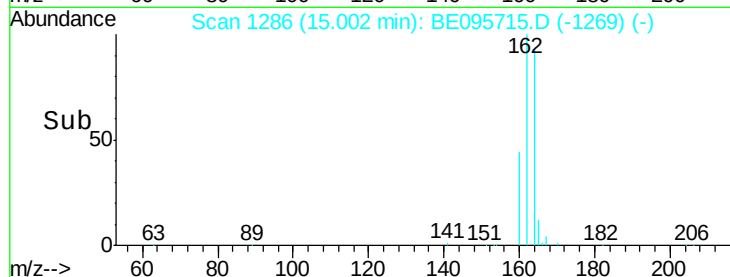
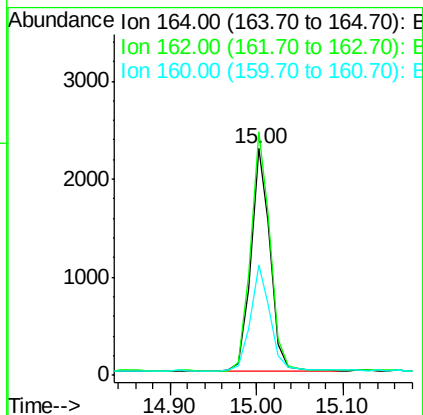
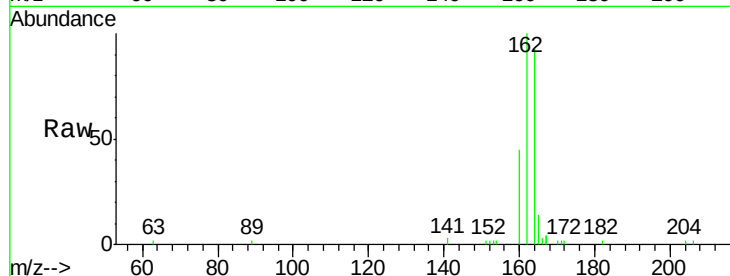
ClientSampleId :

T-11_030518

Tot Ion:	164	Resp:	3504
Ion	Ratio	Lower	Upper
164	100		
162	107.4	83.1	124.7
160	48.9	37.1	55.7

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#14

2,4,6-Tribromophenol

Concen: 0.129 ng

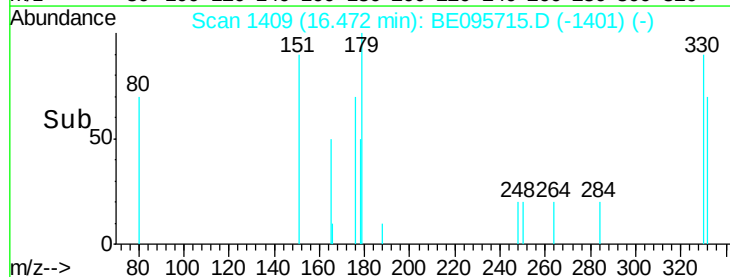
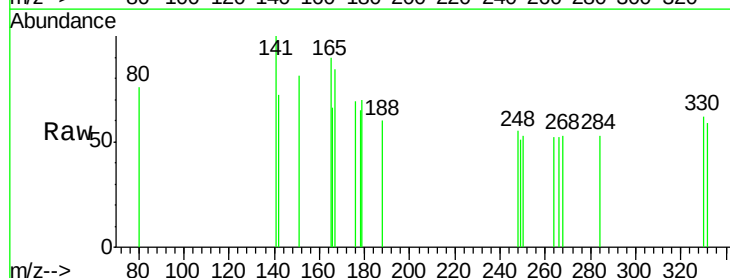
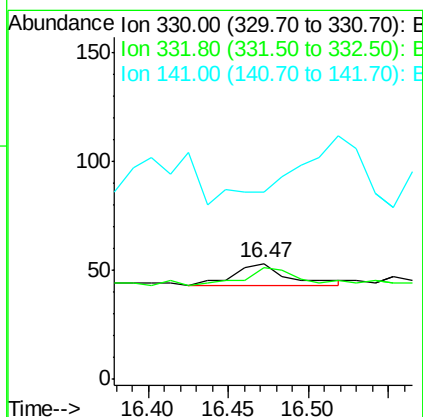
RT: 16.47 min Scan# 1409

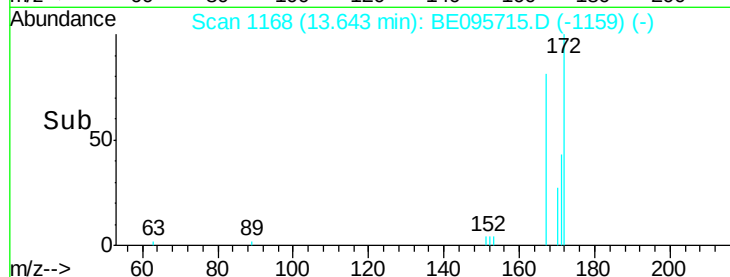
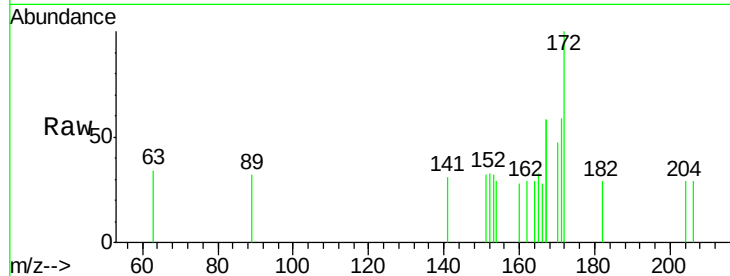
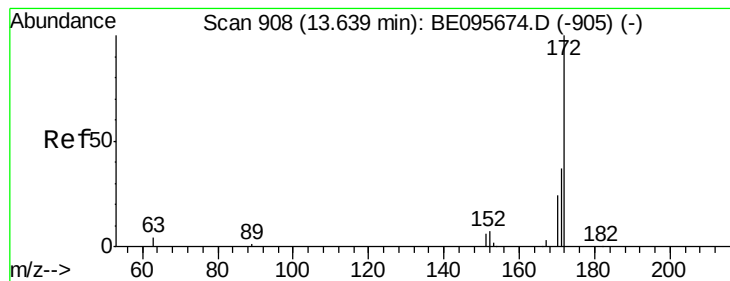
Delta R.T. -0.00 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Tgt Ion:	330	Resp:	22
Ion	Ratio	Lower	Upper
330	100		
332	100.0	152.7	229.1#
141	0.0	33.7	50.5#





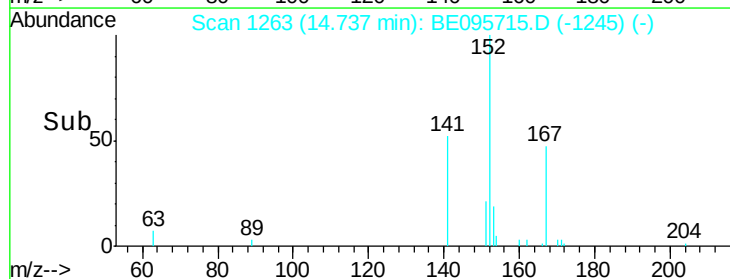
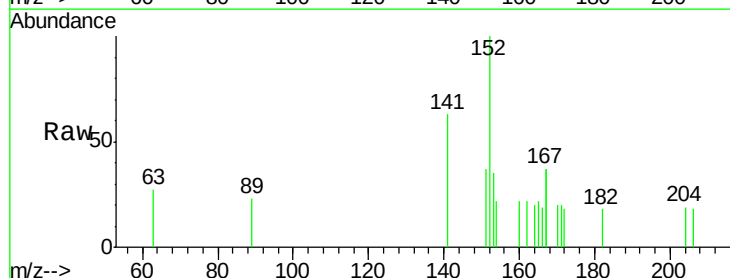
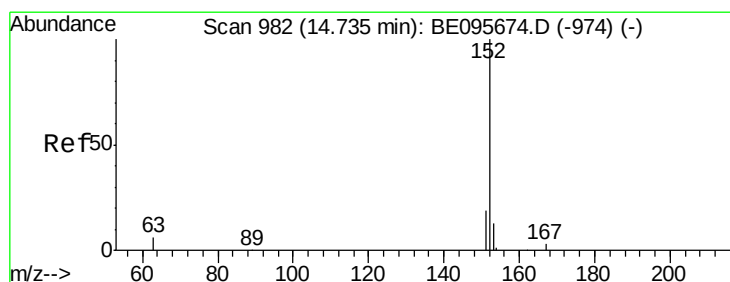
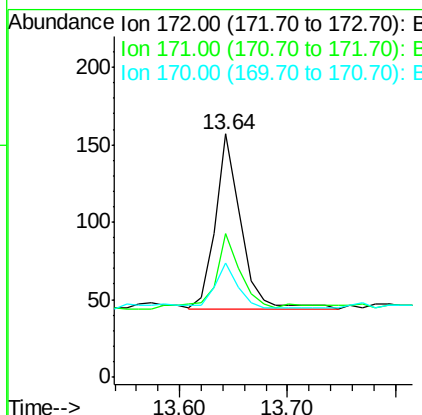
#15
2-Fluorobiphenyl
Concen: 0.012 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tot Ion	Ratio	Lower	Upper
172	100		
171	59.2	29.9	44.9#
170	47.1	21.8	32.8#

Instrument :
BNA_E
ClientSampleId :
T-11_030518

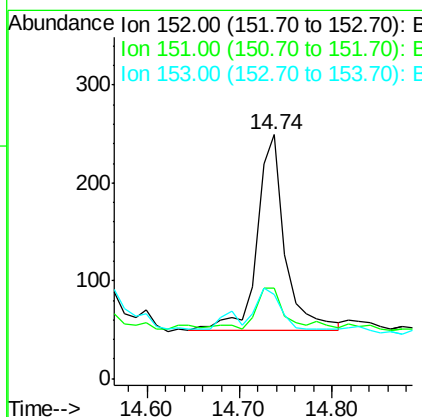
Manual Integrations
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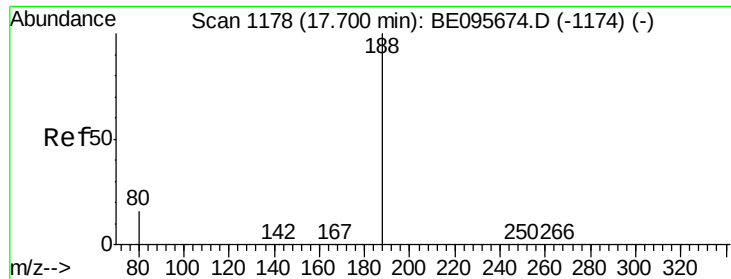
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#16
Acenaphthylene
Concen: 0.021 ng
RT: 14.74 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.2	15.7	23.5
153	28.0	10.5	15.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

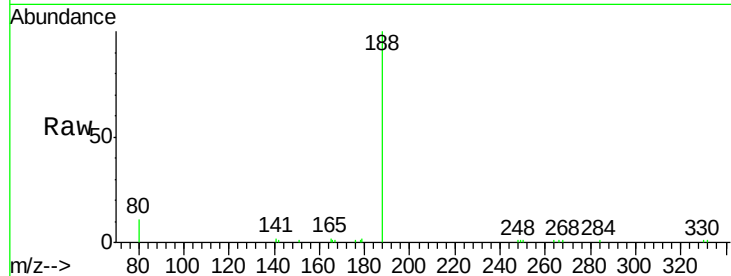
ClientSampleId :

T-11_030518

Tot Ion:	188	Resp:	7865
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	10.9	3.6	5.4#

Manual Integrations
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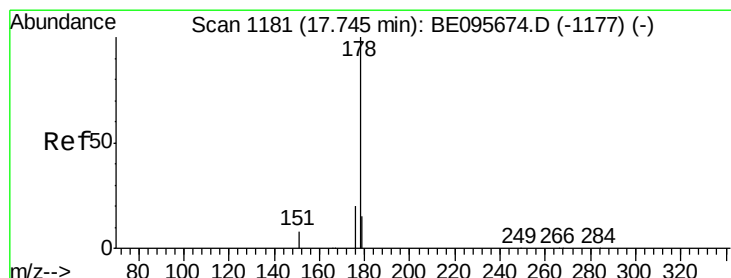
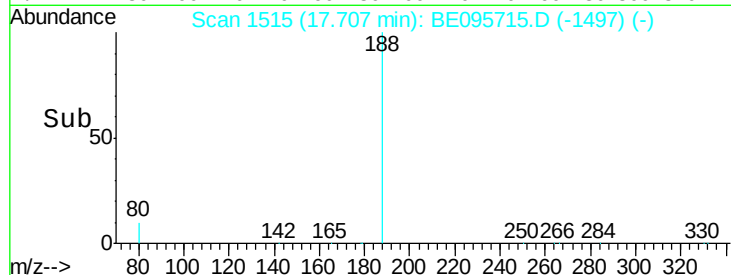
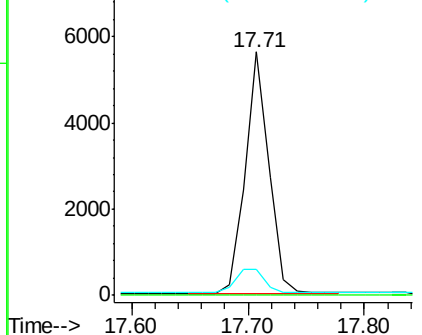
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#23

Phenanthrene

Concen: 0.354 ng

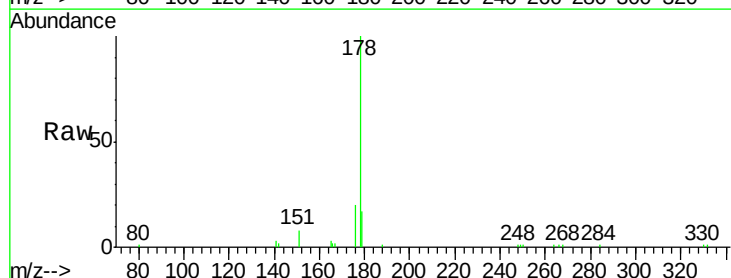
RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

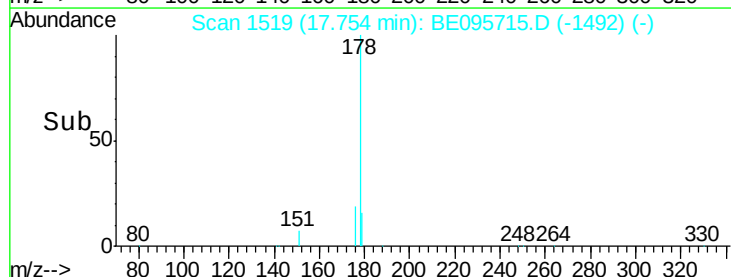
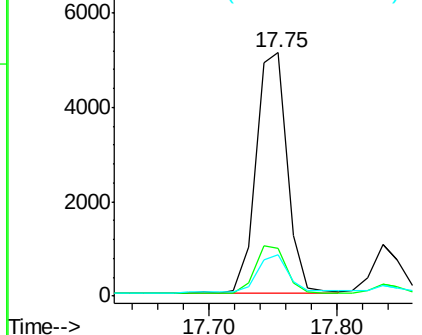
Tgt Ion:	178	Resp:	8711
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.1	22.7
179	15.8	11.8	17.6

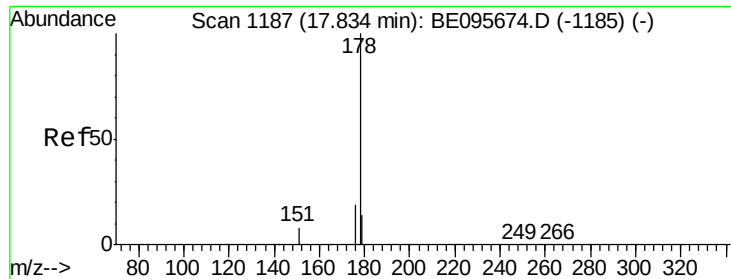


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.067 ng

RT: 17.84 min Scan# 1526

Delta R.T. 0.00 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

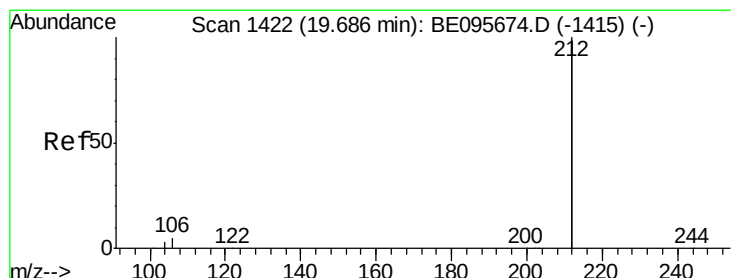
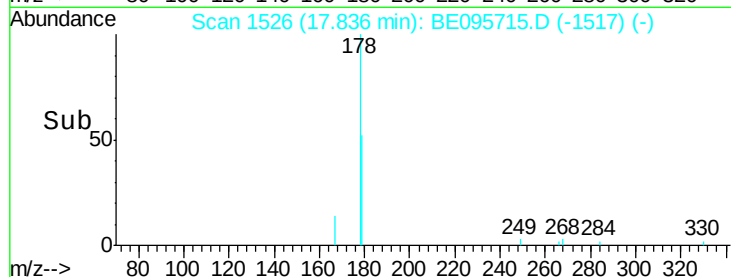
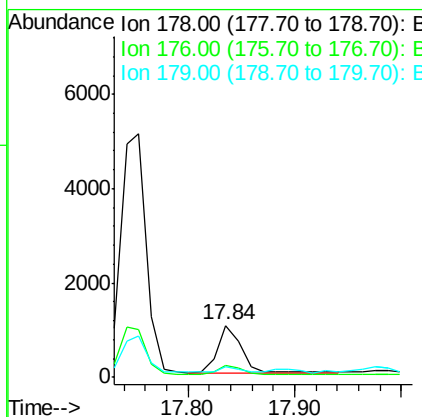
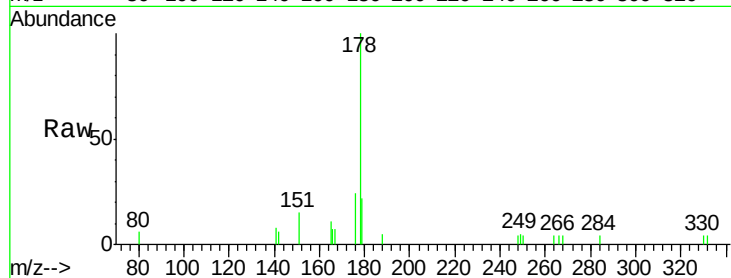
ClientSampleId :

T-11_030518

Tot Ion:	178	Resp:	1511
Ion Ratio	Lower	Upper	
178	100		
176	19.3	12.8	19.2#
179	12.0	13.0	19.6#

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#25

Fluoranthene-d10

Concen: 0.009 ng

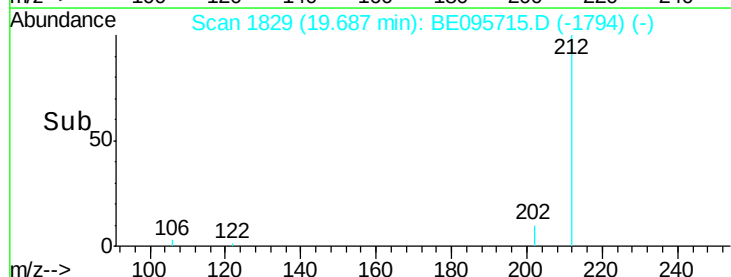
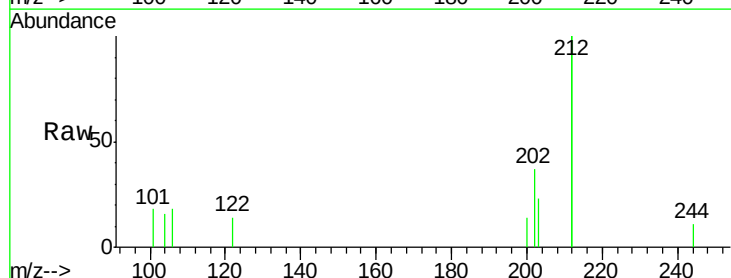
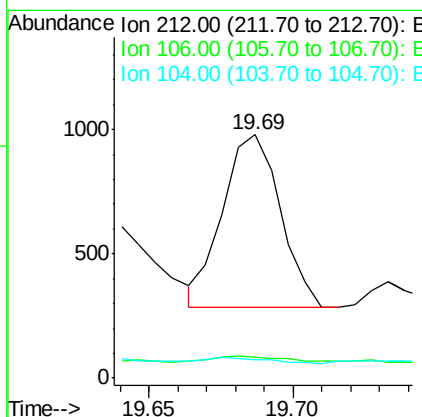
RT: 19.69 min Scan# 1829

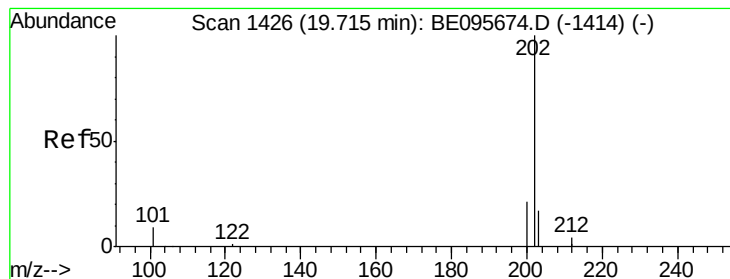
Delta R.T. 0.00 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Tgt Ion:	212	Resp:	960
Ion Ratio	Lower	Upper	
212	100		
106	6.6	2.8	4.2#
104	3.5	1.6	2.4#





#26

Fluoranthene

Concen: 0.324 ng

RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Instrument :

BNA_E

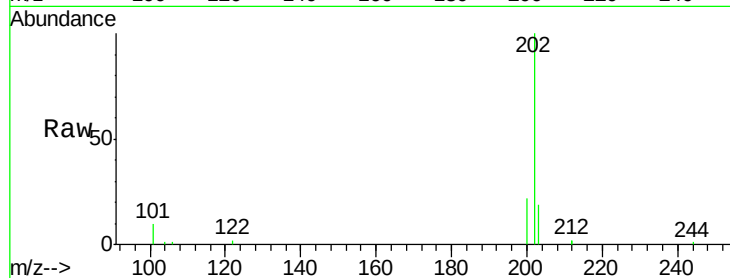
ClientSampleId :

T-11_030518

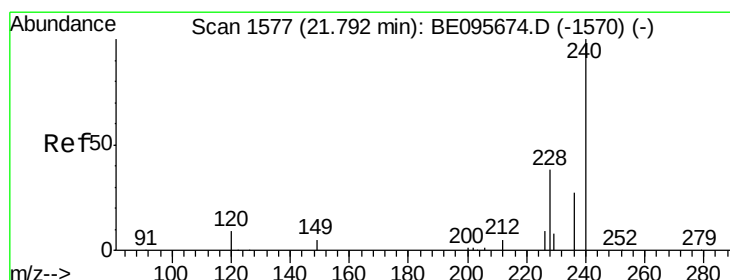
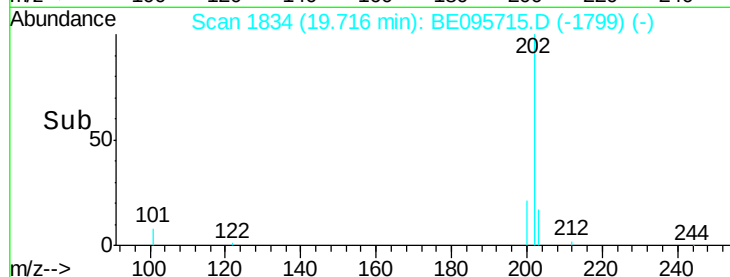
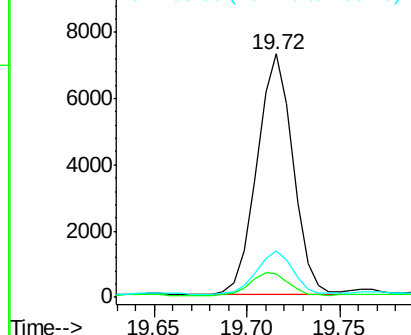
Tot Ion:	202	Resp:	9792
Ion Ratio	Lower	Upper	
202	100		
101	10.0	9.8	14.8
203	18.2	13.7	20.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2029

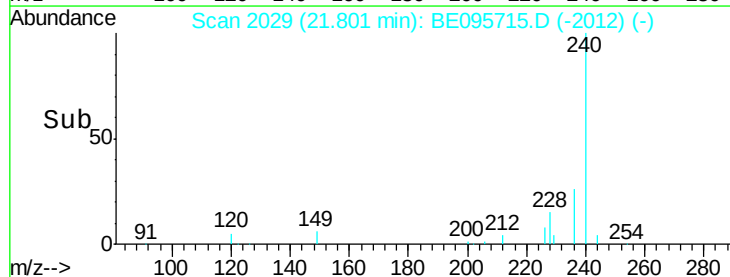
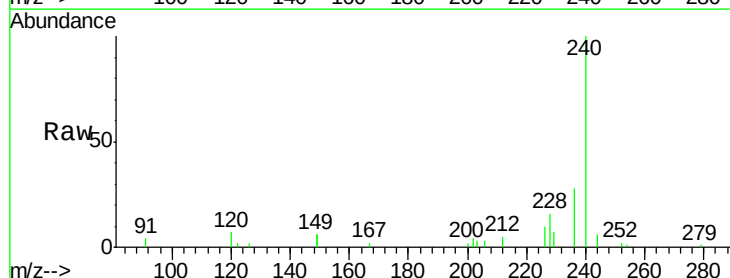
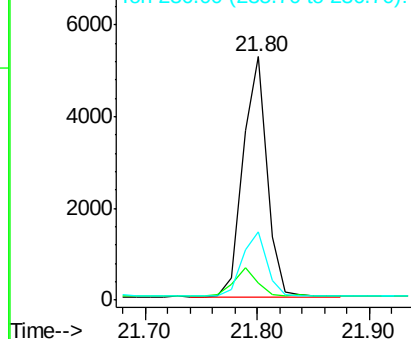
Delta R.T. 0.01 min

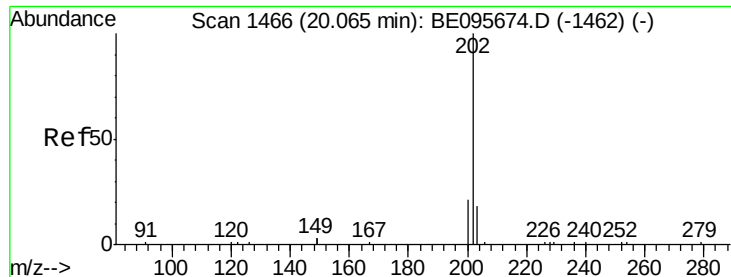
Lab File: BE095715.D

Acq: 7 Mar 2018 1:45

Tgt Ion:	240	Resp:	7861
Ion Ratio	Lower	Upper	
240	100		
120	6.8	5.5	8.3
236	28.0	20.7	31.1

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





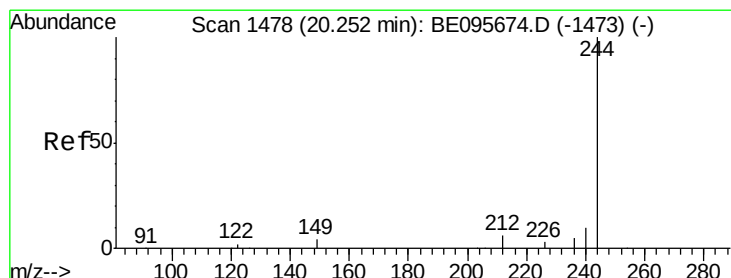
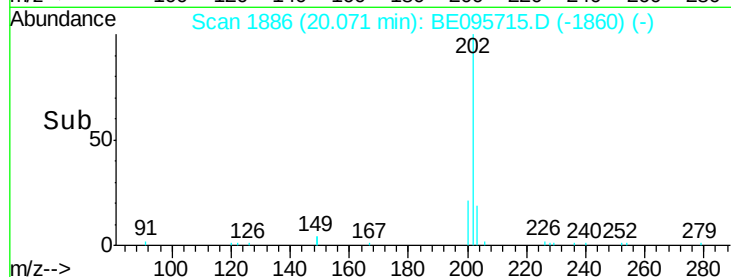
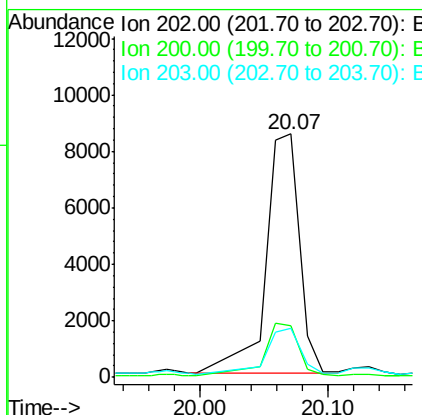
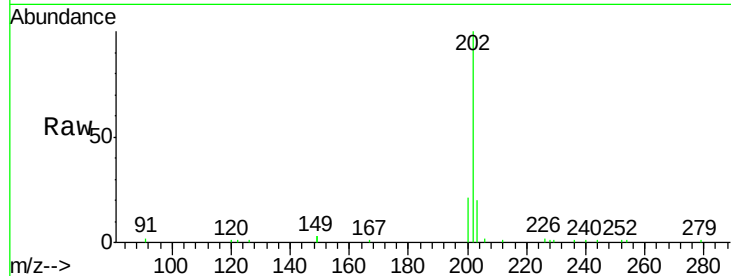
#28
Pvrene
Concen: 0.598 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	25.0
203	19.6	13.8	20.8

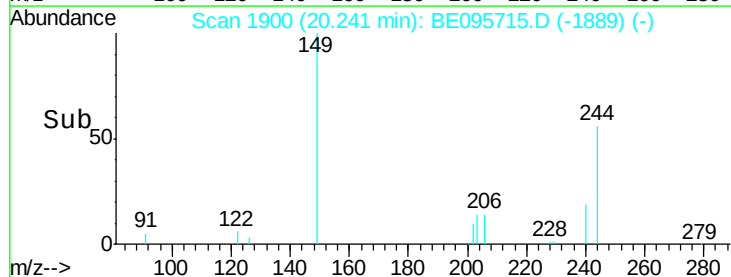
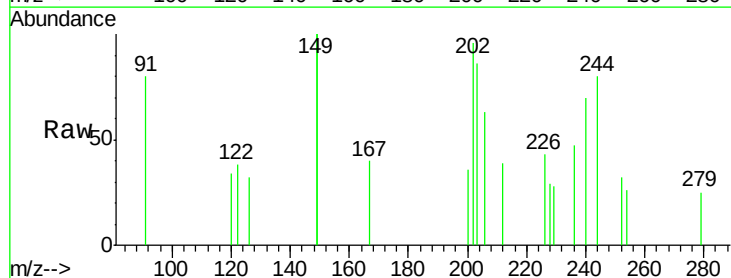
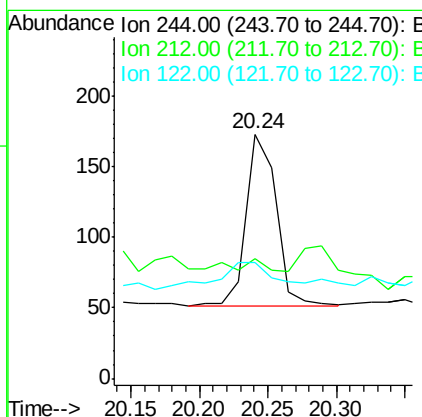
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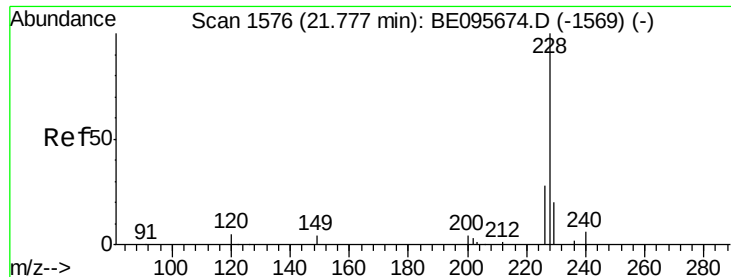
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#29
Terphenyl-d14
Concen: 0.012 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	49.1	25.4	38.0#
122	47.4	8.1	12.1#





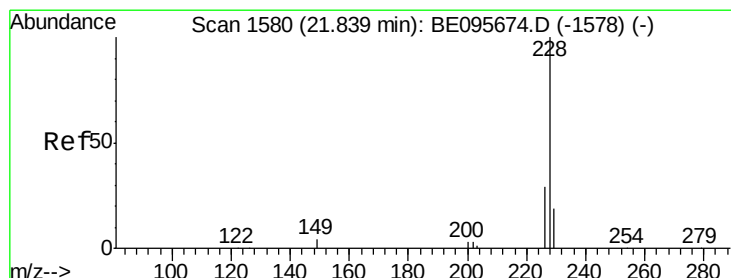
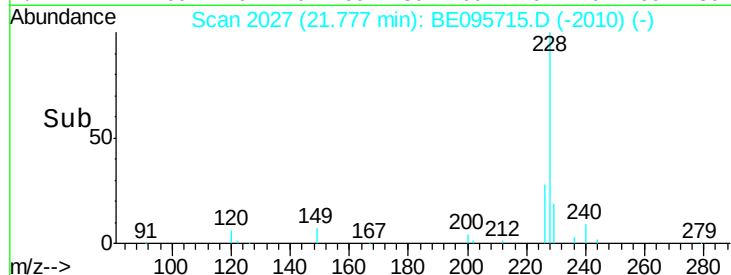
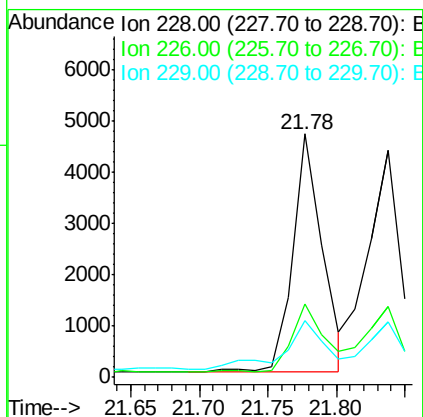
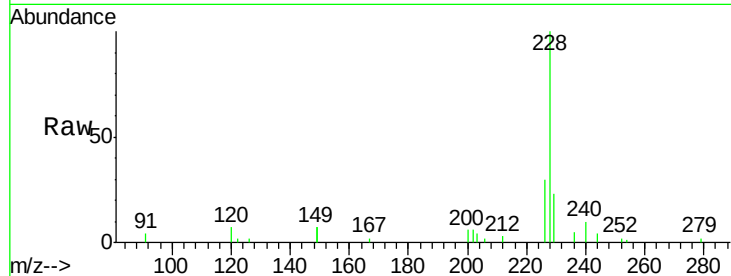
#30
Benzo(a)anthracene
Concen: 0.272 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	23.3	16.0	24.0

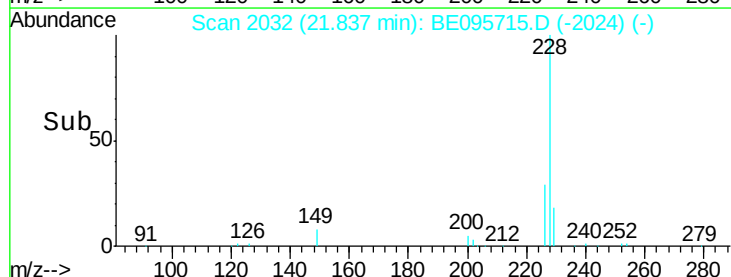
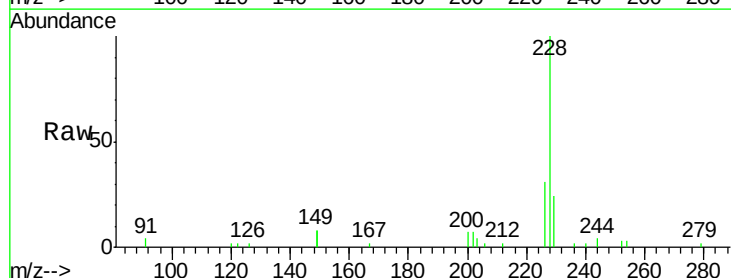
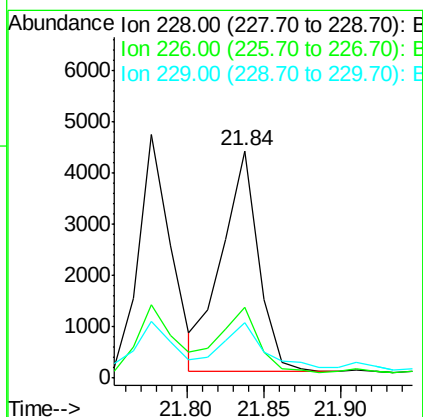
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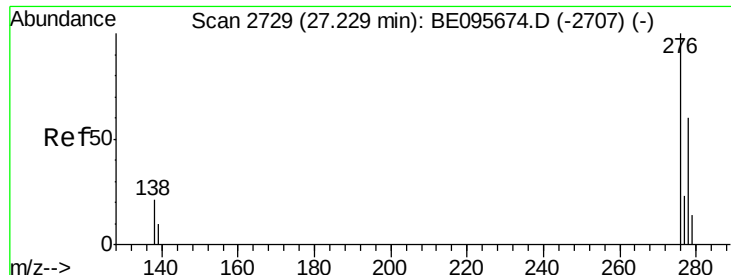
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#31
Chrysene
Concen: 0.276 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	24.3	16.0	24.0





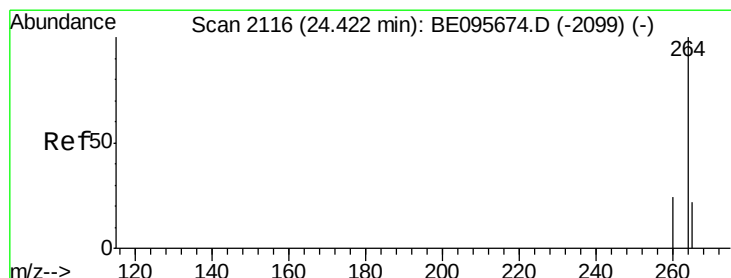
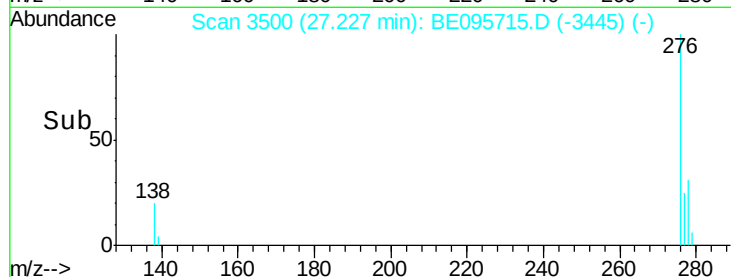
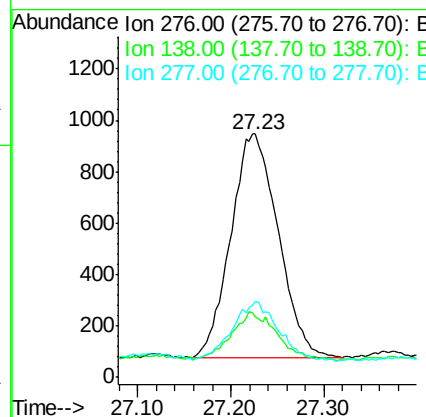
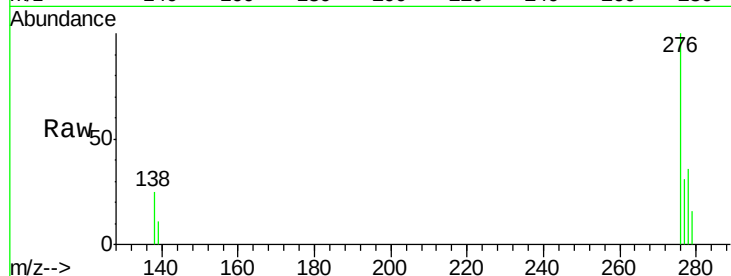
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.125 ng
RT: 27.23 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	22.5	33.7#
277	25.8	19.9	29.9

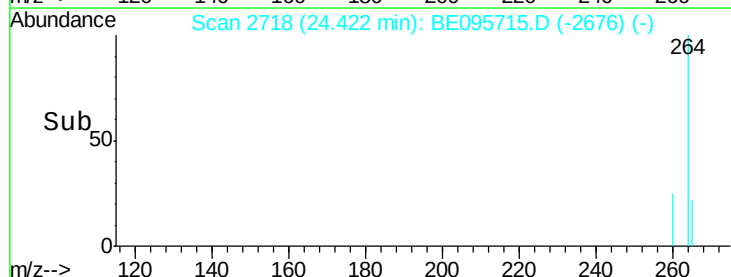
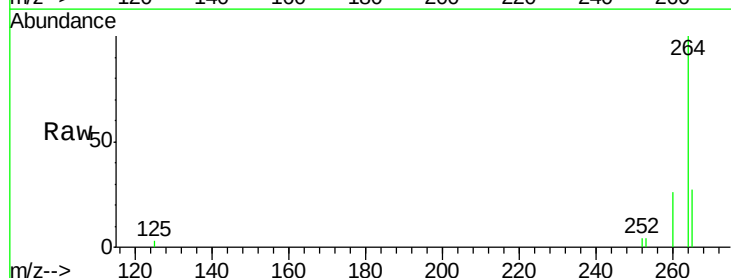
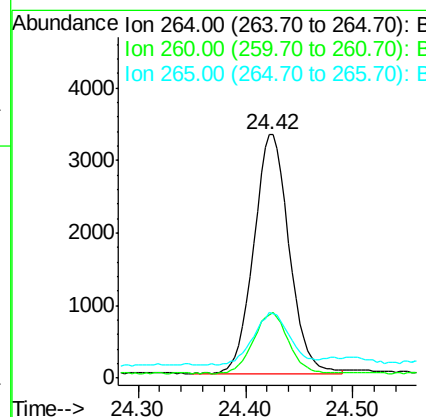
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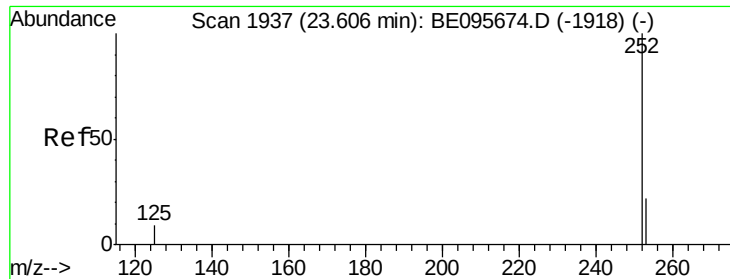
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. 0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.5	30.7
265	27.1	22.8	34.2





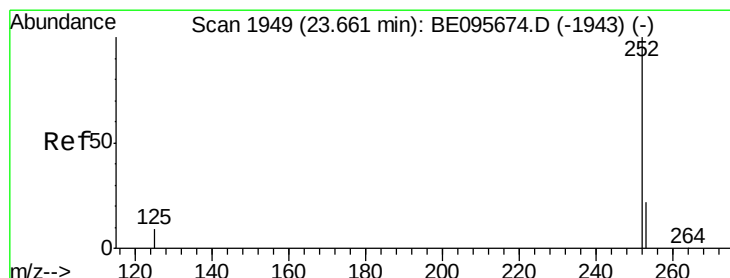
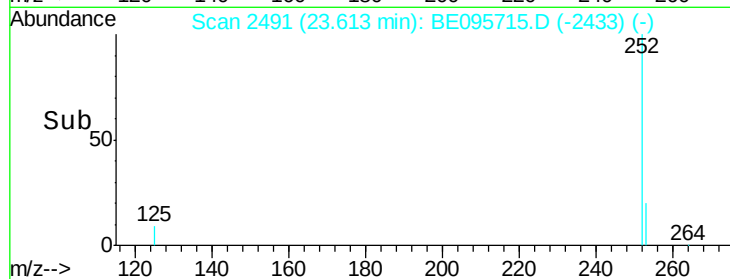
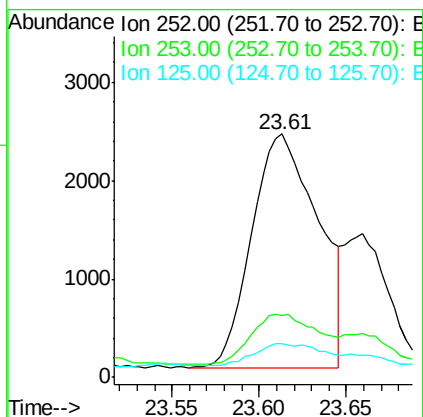
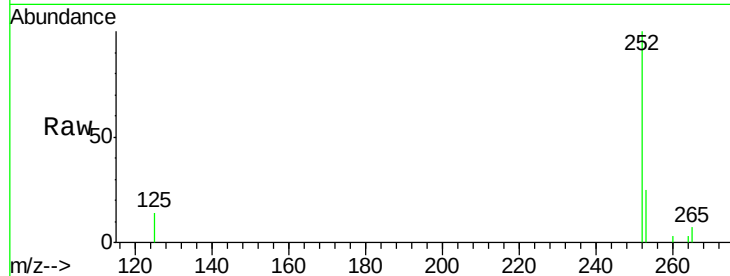
#35
Benzo(b)fluoranthene
Concen: 0.235 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.0	30.0
125	13.6	16.0	24.0

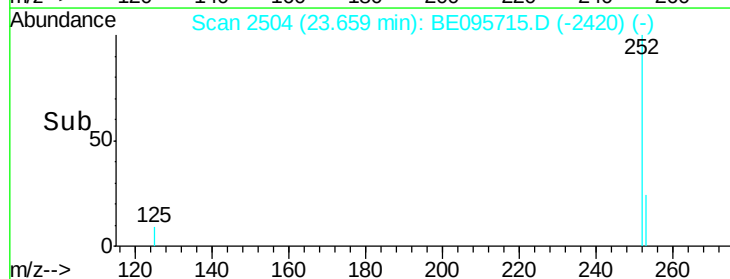
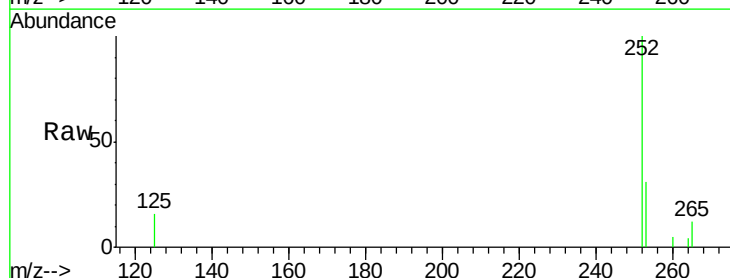
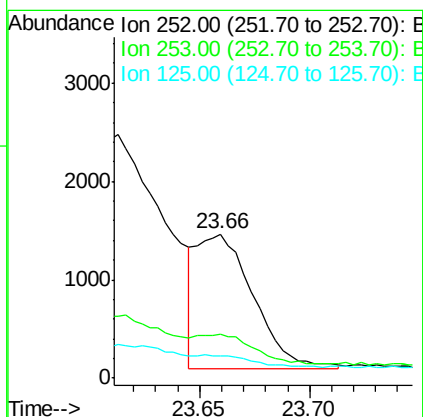
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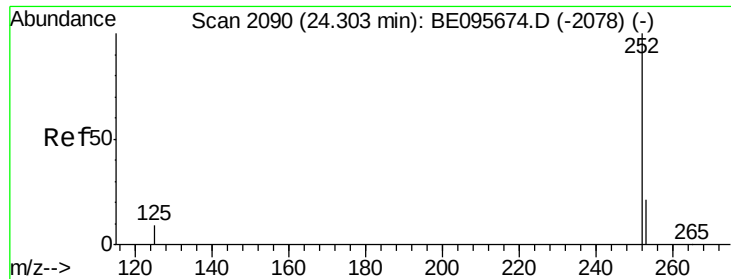
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#36
Benzo(k)fluoranthene
Concen: 0.091 ng m
RT: 23.66 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	16.0	24.0
125	15.9	8.0	12.0





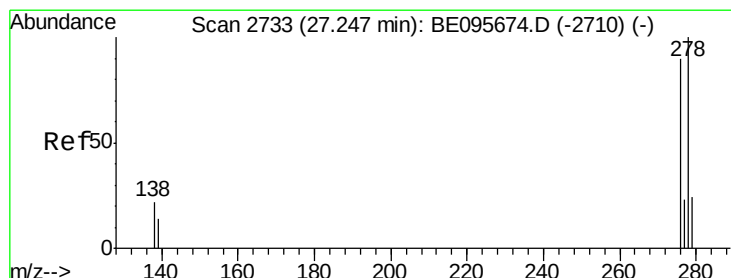
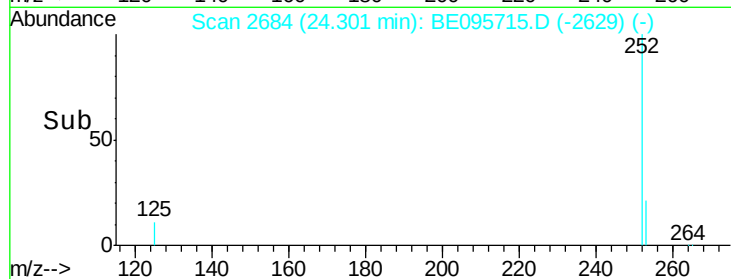
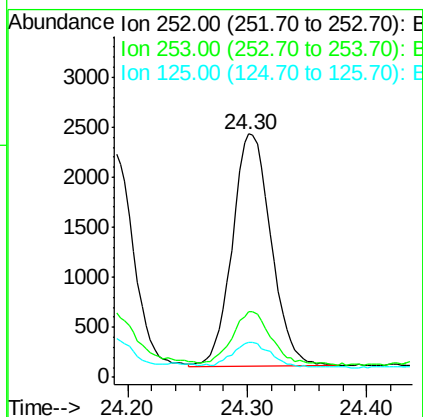
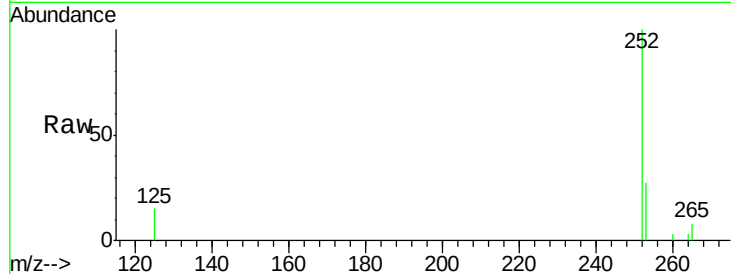
#37
Benzo(a)pyrene
Concen: 0.217 ng
RT: 24.30 min Scan# 2684
Delta R.T. -0.00 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Instrument :
BNA_E
ClientSampleId :
T-11_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	16.0	24.0#
125	14.5	12.0	18.0

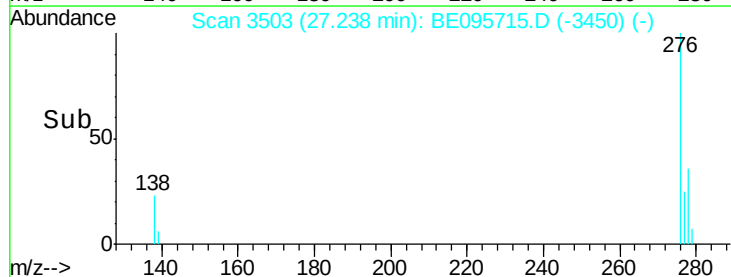
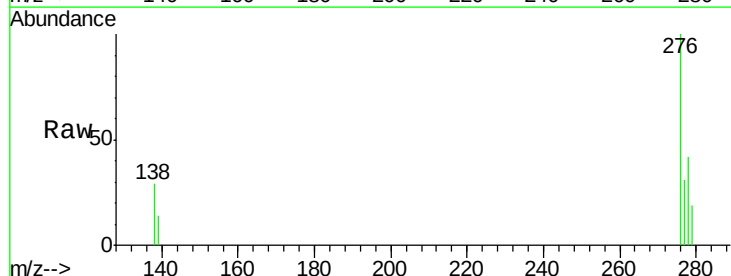
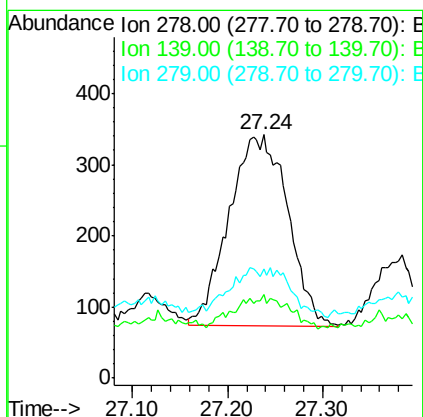
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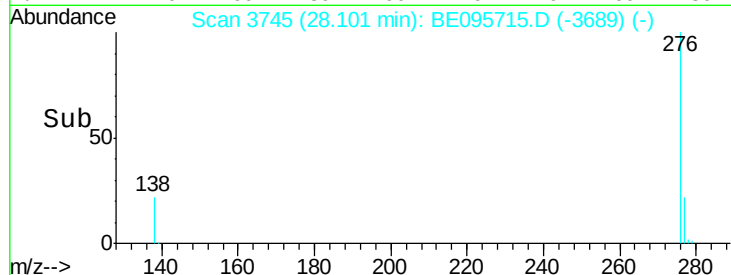
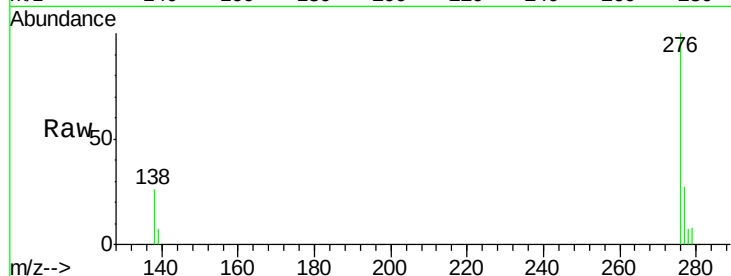
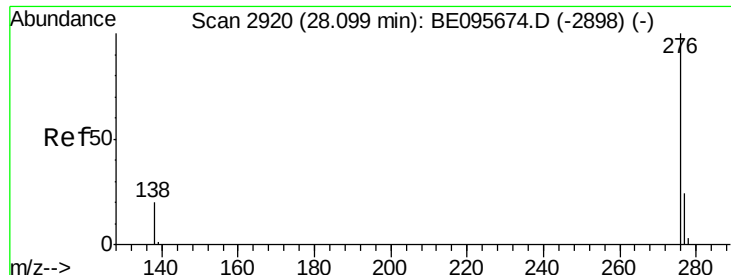
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#38
Dibenzo(a,h)anthracene
Concen: 0.054 ng
RT: 27.24 min Scan# 3503
Delta R.T. -0.01 min
Lab File: BE095715.D
Acq: 7 Mar 2018 1:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.5	16.0	24.0#
279	45.0	20.0	30.0#





#39
 Benzo(a,h,i)perylene
 Concen: 0.181 ng
 RT: 28.10 min Scan# 3745
 Delta R.T. 0.00 min
 Lab File: BE095715.D
 Acq: 7 Mar 2018 1:45

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	16.0	24.0#
138	26.1	20.0	30.0

Instrument :
 BNA_E
 ClientSampleId :
 T-11_030518

Manual Integrations
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