

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095707.D
 Acq On : 6 Mar 2018 20:59
 Operator : SJ/JU
 Sample : J1811-03 20X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-3_030518

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:20:16 PM

Quant Time: Mar 07 01:55:22 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	1439	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5905	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3409	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7708	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7790	0.40	ng	0.00
34) Perylene-d12	24.42	264	7384	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	39	0.01	ng	0.00
5) Phenol-d6	7.57	99	54	0.01	ng	0.01
8) Nitrobenzene-d5	9.61	82	87	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	110	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	11	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	178	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	812	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	165	0.01	ng	-0.01
Target Compounds						
12) 2-Methylnaphthalene	12.87	142	463	0.039	ng	Qvalue # 92
16) Acenaphthylene	14.74	152	929	0.049	ng	97
23) Phenanthrene	17.75	178	9217	0.383	ng	97
24) Anthracene	17.83	178	1565	0.071	ng	# 91
26) Fluoranthene	19.72	202	16912	0.570	ng	97
28) Pyrene	20.07	202	23812	0.747	ng	98
30) Benzo(a)anthracene	21.78	228	9936	0.391	ng	98
31) Chrysene	21.84	228	9693	0.384	ng	96
33) Indeno(1,2,3-cd)pyrene	27.23	276	4916	0.201	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	10847	0.412	ng	# 91
36) Benzo(k)fluoranthene	23.65	252	4370m	0.167	ng	
37) Benzo(a)pyrene	24.31	252	7465	0.315	ng	# 92
38) Dibenzo(a,h)anthracene	27.23	278	1343	0.064	ng	# 78
39) Benzo(g,h,i)perylene	28.10	276	4972	0.220	ng	# 92

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

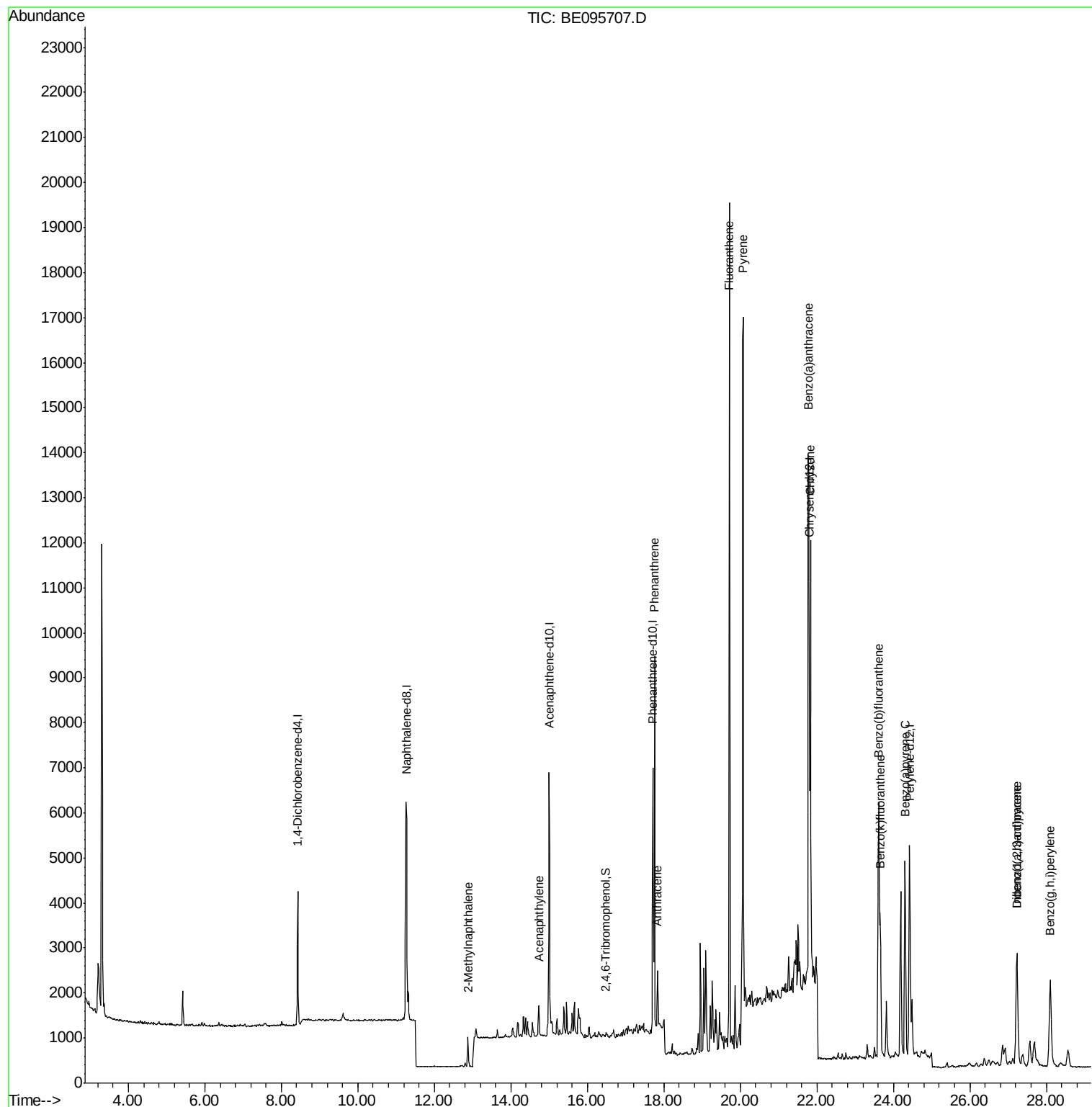
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095707.D
Acq On : 6 Mar 2018 20:59
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ALS Vial : 9 Sample Multiplier: 1

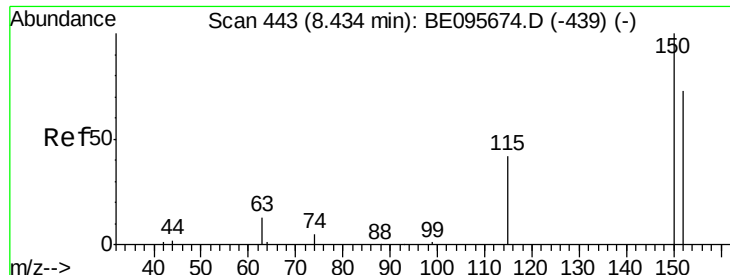
Instrument :
BNA_E
ClientSampleId :
T-3_030518

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3/7/2018 12:20:16 PM

Quant Time: Mar 07 01:55:22 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
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#1

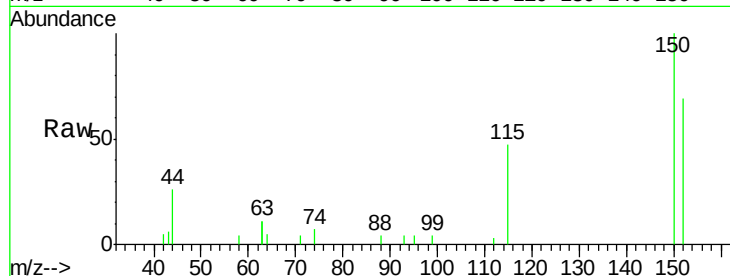
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Instrument :
BNA_E
ClientSampleId :
T-3_030518

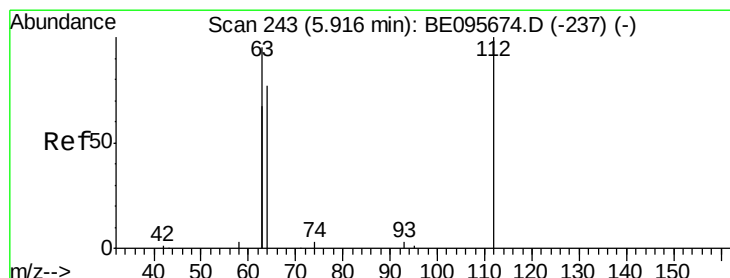
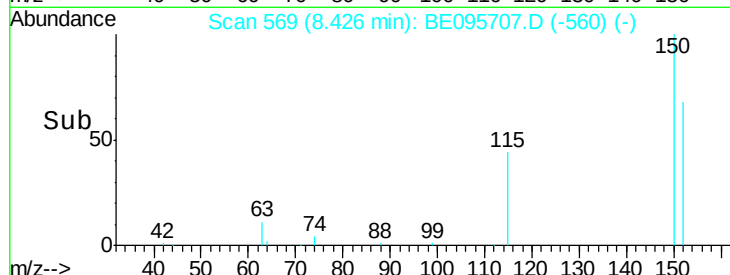
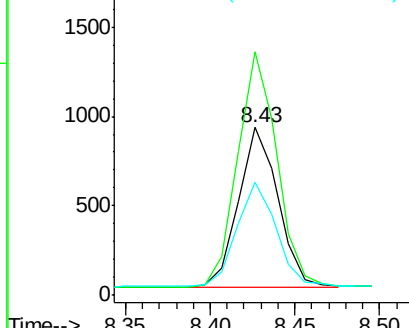
Tot Ion	Ratio	Lower	Upper
152	100		
150	145.1	117.2	175.8
115	67.6	57.0	85.6

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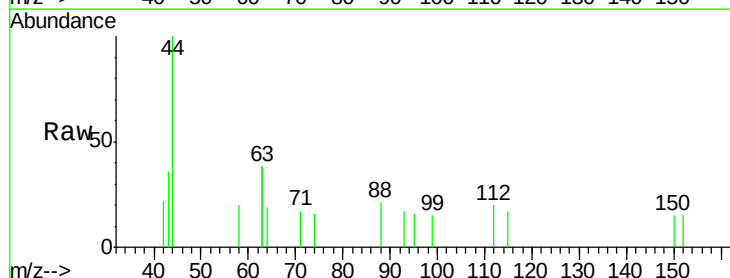
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



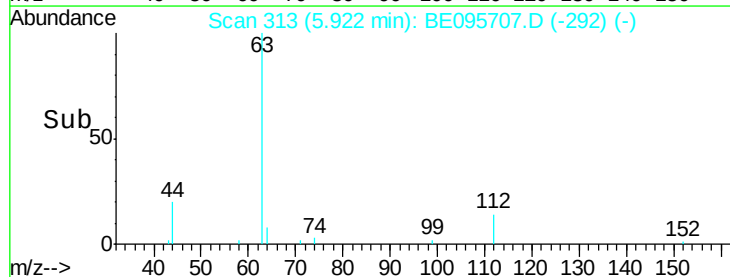
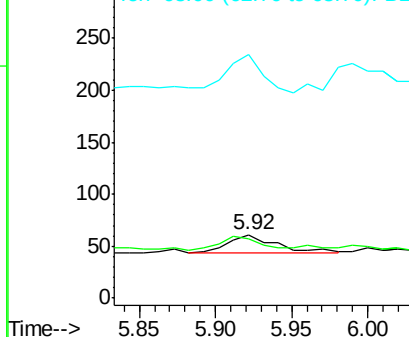
#4

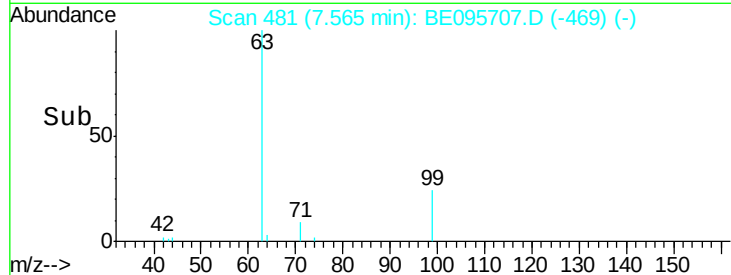
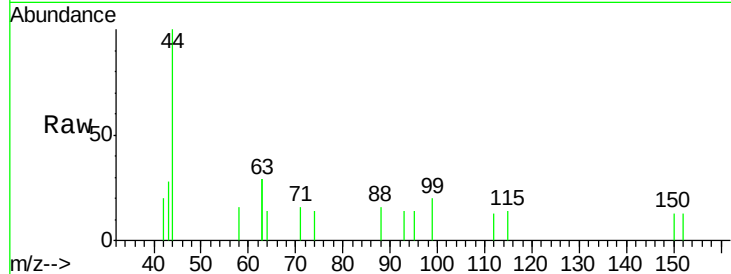
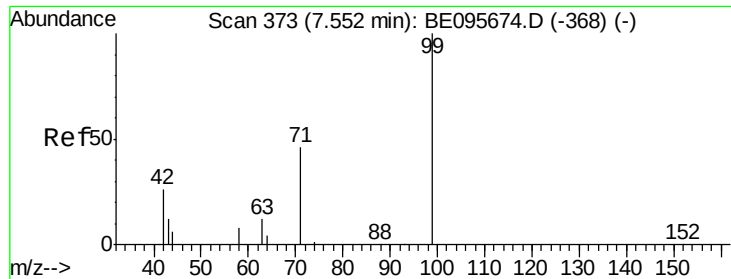
2-Fluorophenol
Concen: 0.010 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	60.1	90.1
63	179.5	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: 0.010 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.01 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tot Ion:	99	Resp:	54
Ion	Ratio	Lower	Upper
99	100		
42	33.3	20.2	30.2#
71	66.7	28.4	42.6#

Instrument :

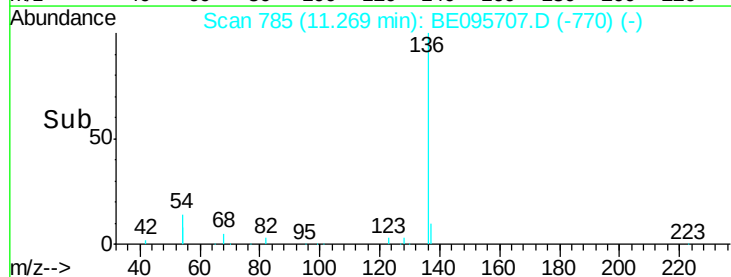
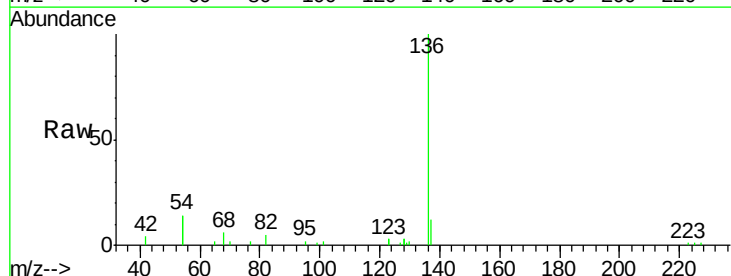
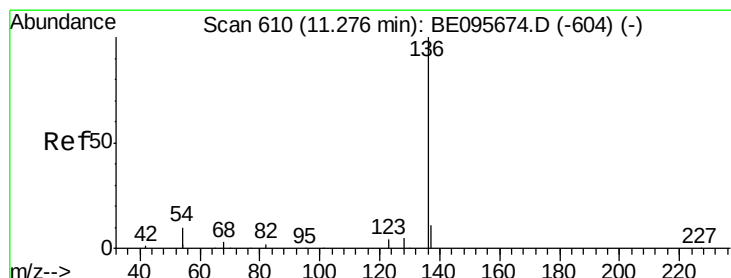
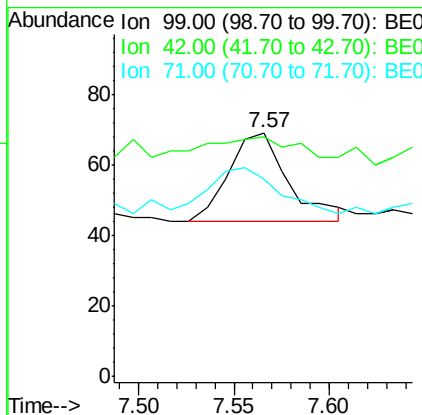
BNA_E

ClientSampled :

T-3_030518

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#7

Naphthalene-d8

Concen: 0.400 ng

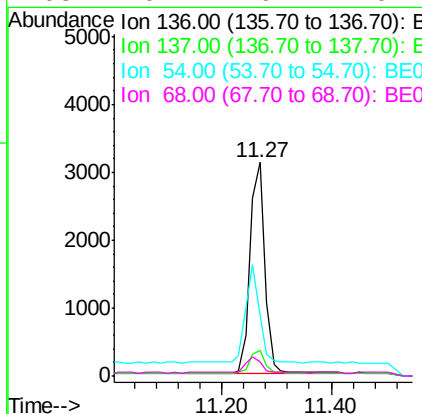
RT: 11.27 min Scan# 785

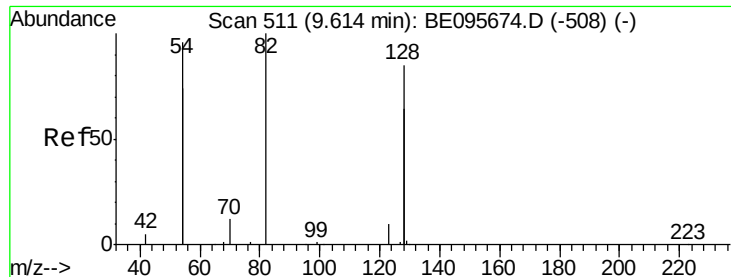
Delta R.T. -0.01 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tgt Ion:	136	Resp:	5905
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	28.1	29.1	43.7#
68	6.4	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.014 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

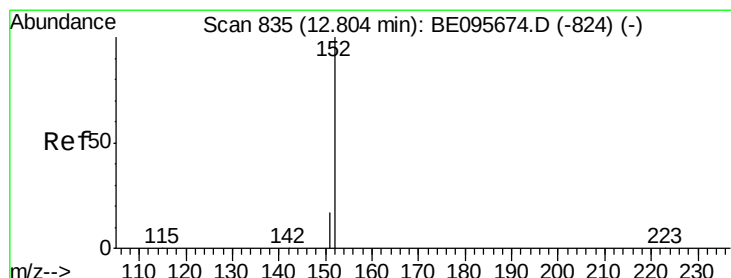
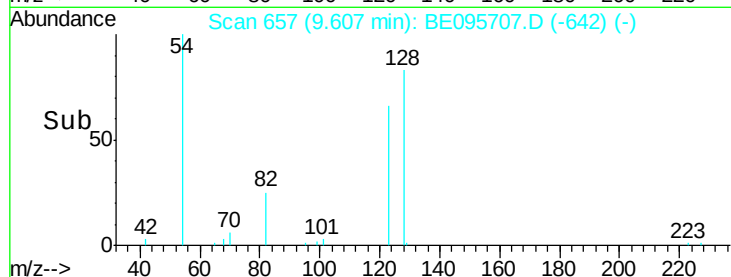
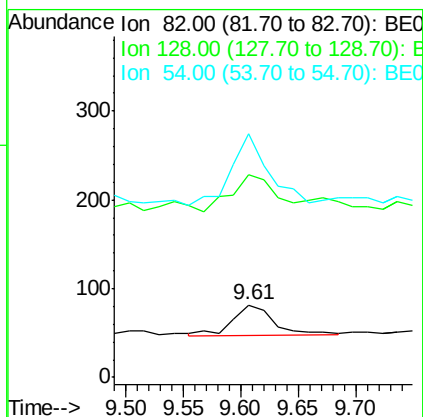
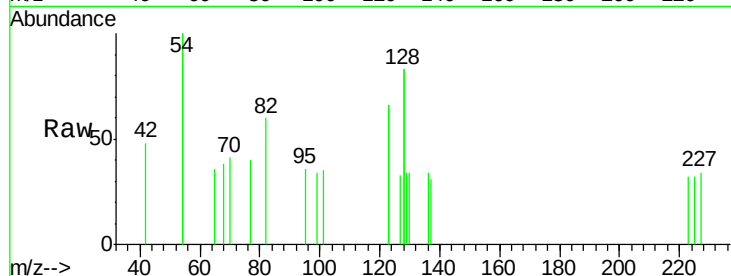
ClientSampleId :

T-3_030518

Tot Ion:	82	Resp:	87
Ion	Ratio	Lower	Upper
82	100		
128	278.0	150.0	225.0#
54	334.1	154.2	231.4#

Manual Integrations
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#11

2-Methylnaphthalene-d10

Concen: 0.011 ng

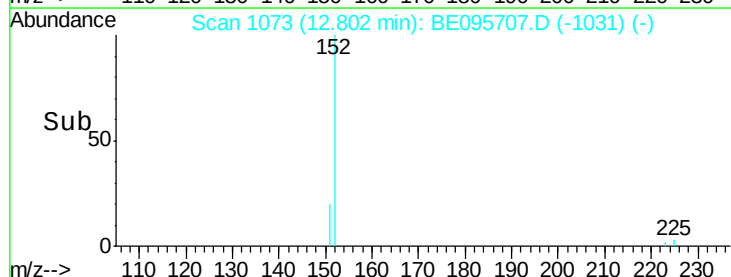
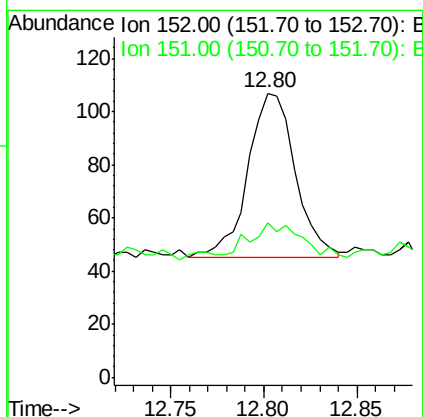
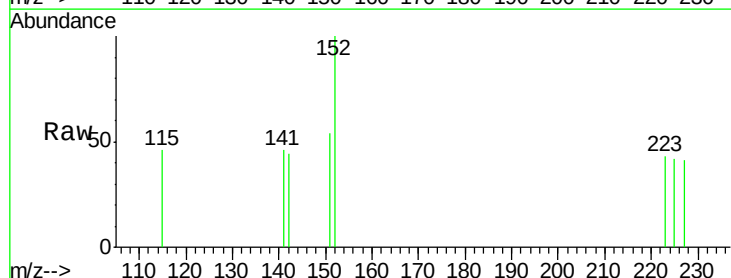
RT: 12.80 min Scan# 1073

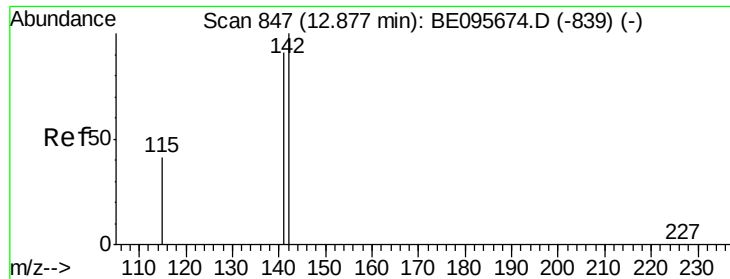
Delta R.T. -0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tgt Ion:	152	Resp:	110
Ion	Ratio	Lower	Upper
152	100		
151	22.7	15.4	23.0





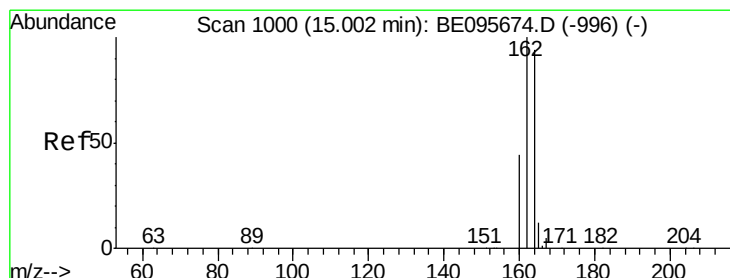
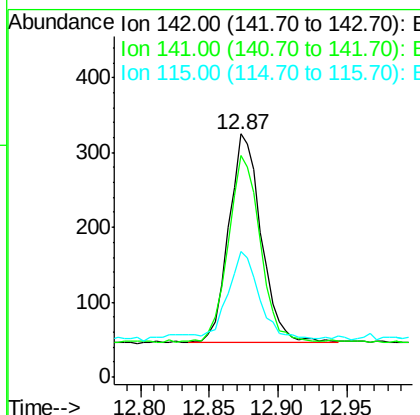
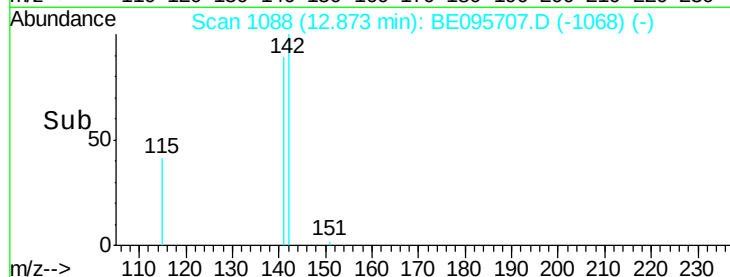
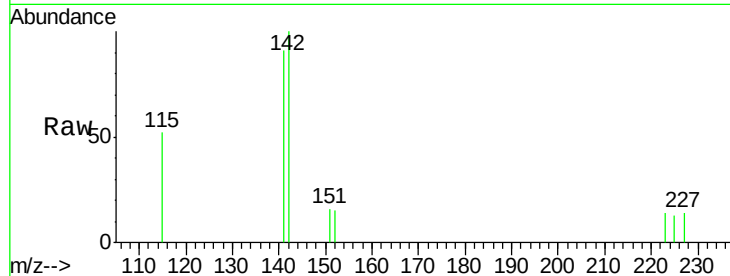
#12
2-Methylnaphthalene
Concen: 0.039 ng
RT: 12.87 min Scan# 1088
Delta R.T. -0.00 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Instrument :
BNA_E
ClientSampleId :
T-3_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.4	105.6
115	51.7	31.7	47.5

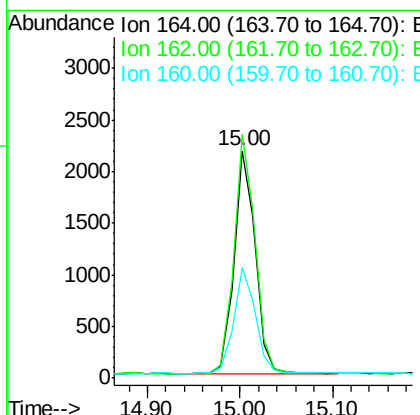
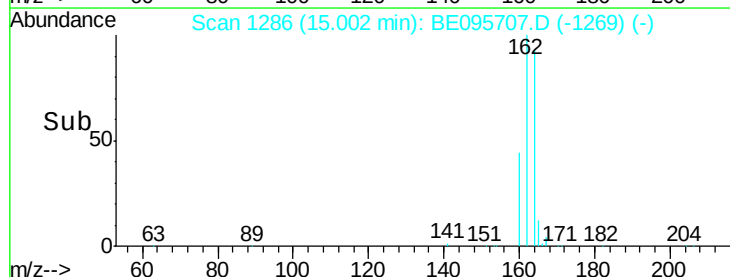
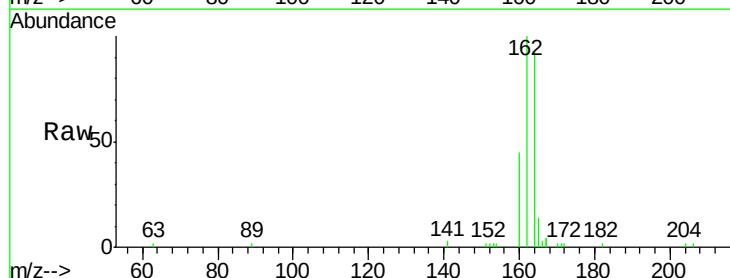
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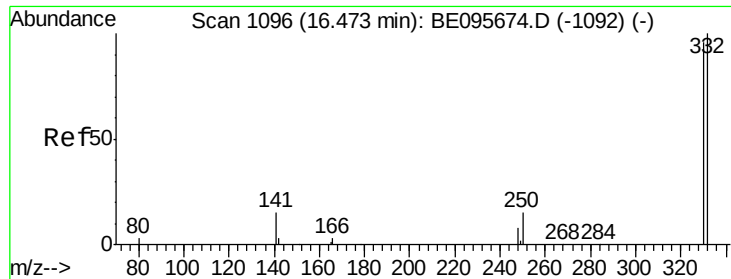
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	83.1	124.7
160	48.4	37.1	55.7





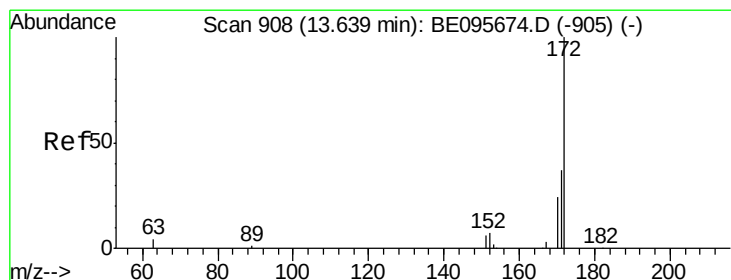
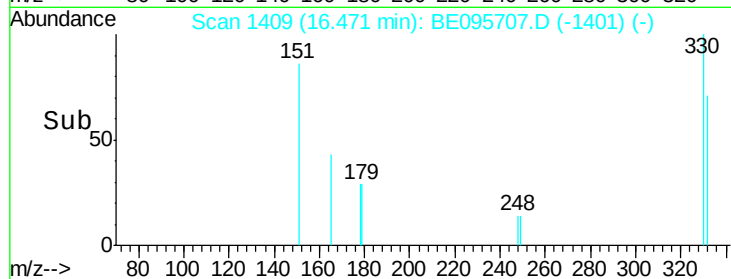
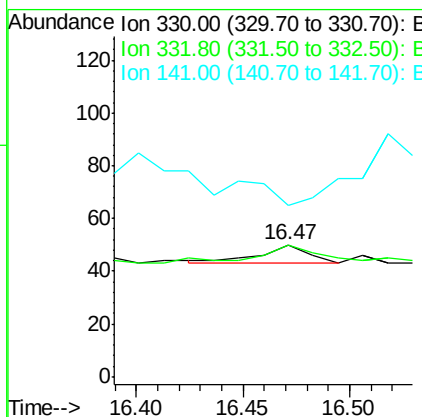
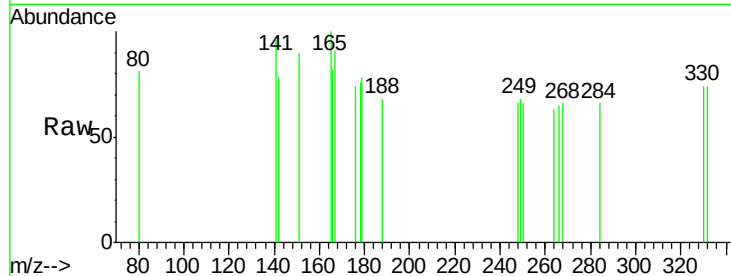
#14
 2,4,6-Tribromophenol
 Concen: 0.122 ng
 RT: 16.47 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Instrument :
 BNA_E
 ClientSampled :
 T-3_030518

Tot Ion	Ratio	Lower	Upper
330	100		
332	136.4	152.7	229.1#
141	0.0	33.7	50.5#

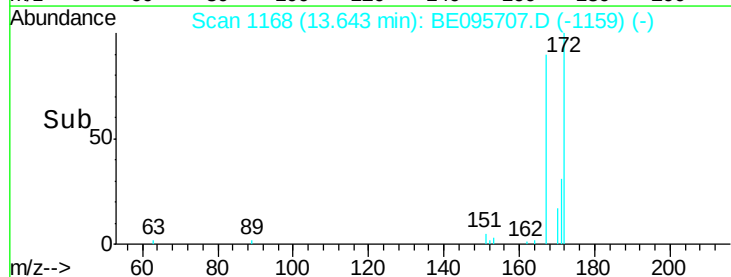
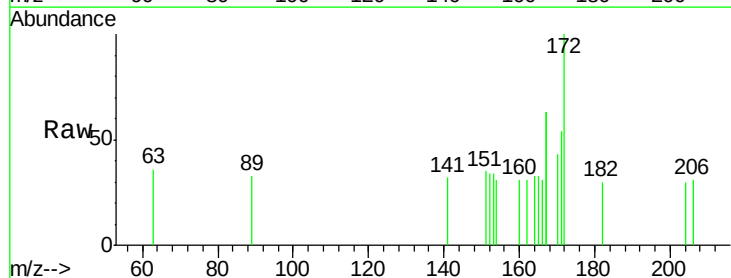
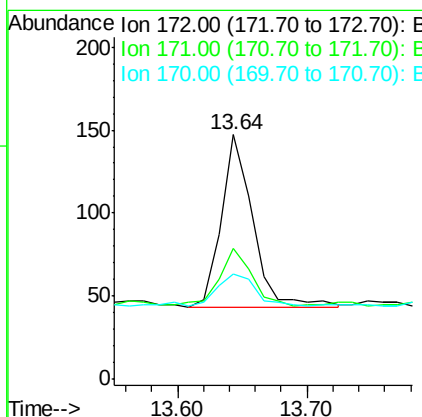
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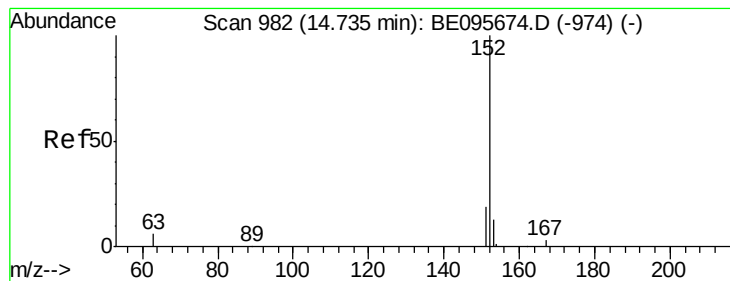
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#15
 2-Fluorobiphenyl
 Concen: 0.012 ng
 RT: 13.64 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	53.7	29.9	44.9#
170	42.9	21.8	32.8#





#16

Acenaphthylene

Concen: 0.049 ng

RT: 14.74 min Scan# 1263

Delta R.T. 0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

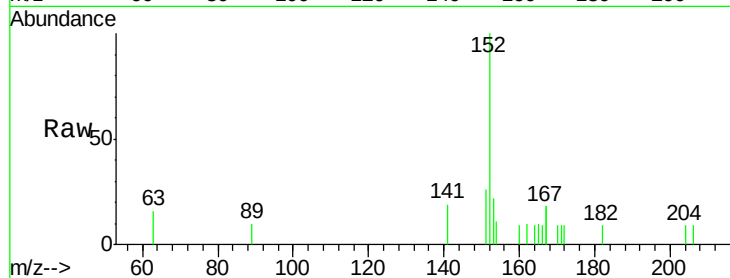
ClientSampleId :

T-3_030518

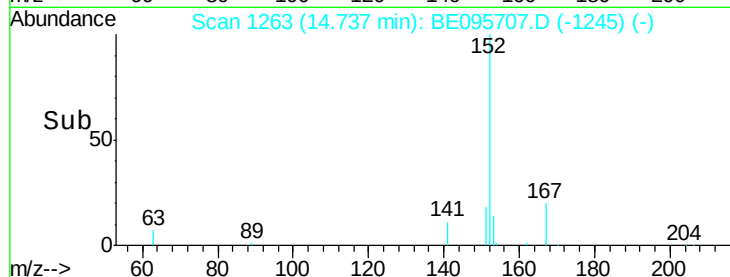
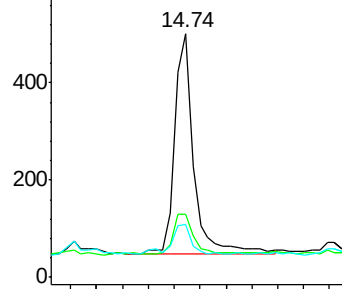
Tot Ion:	152	Resp:	929
Ion Ratio	Lower	Upper	
152	100		
151	18.6	15.7	23.5
153	14.9	10.5	15.7

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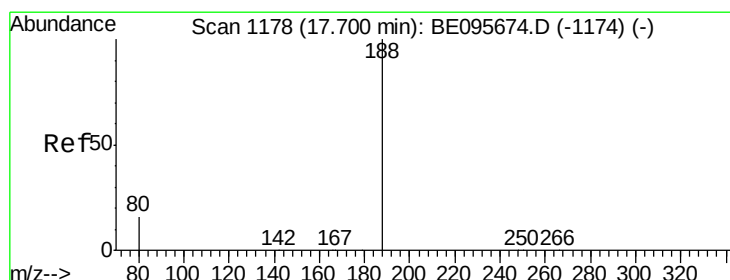
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

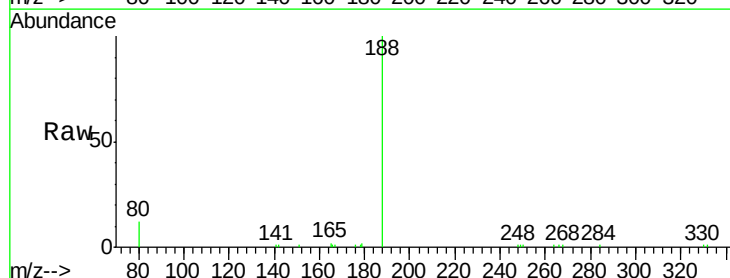
RT: 17.71 min Scan# 1515

Delta R.T. 0.01 min

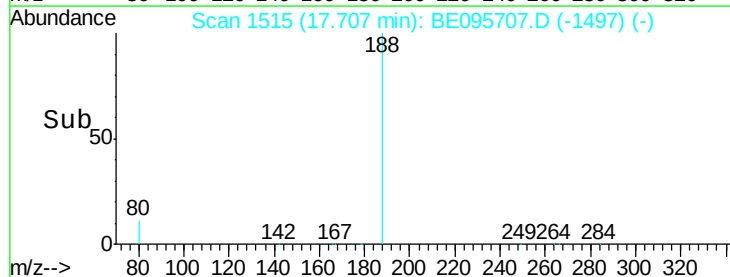
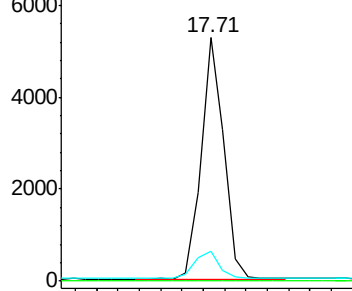
Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

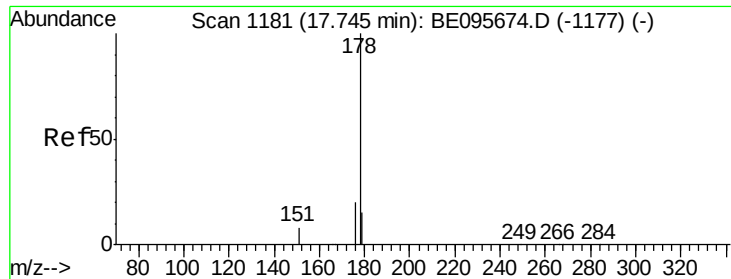
Tgt Ion:	188	Resp:	7708
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	12.4	3.6	5.4#



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



Time-->



#23

Phenanthrene

Concen: 0.383 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

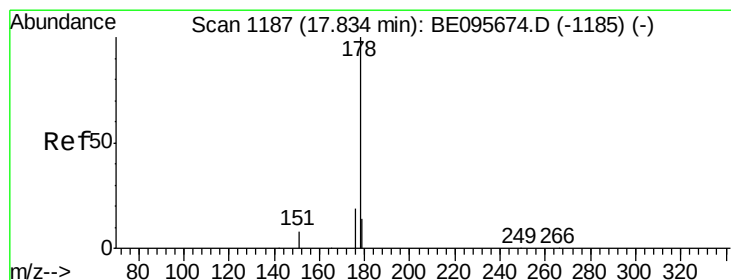
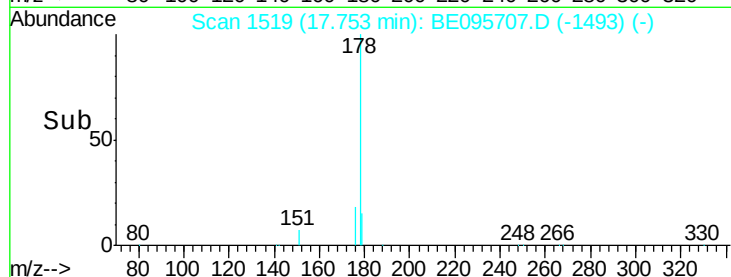
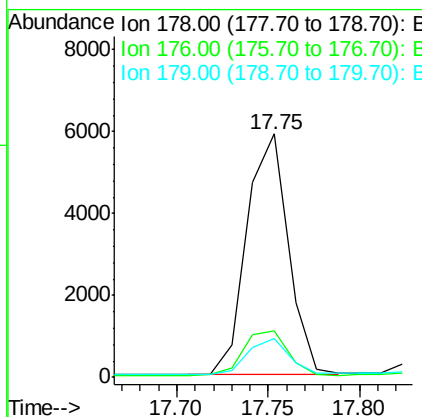
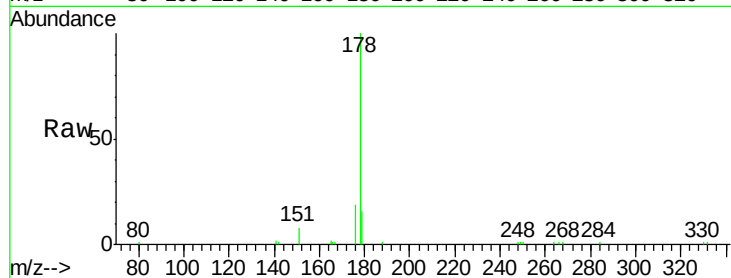
ClientSampleId :

T-3_030518

Tot Ion:	178	Resp:	9217
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.1	22.7
179	16.8	11.8	17.6

Manual Integrations
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#24

Anthracene

Concen: 0.071 ng

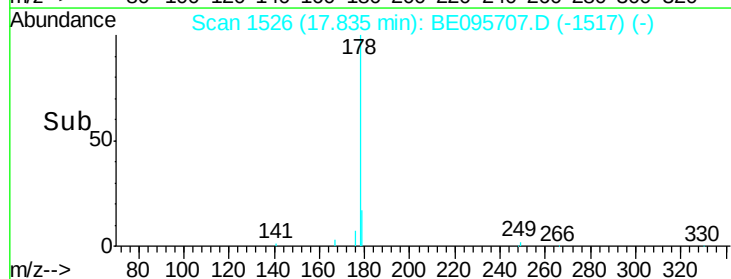
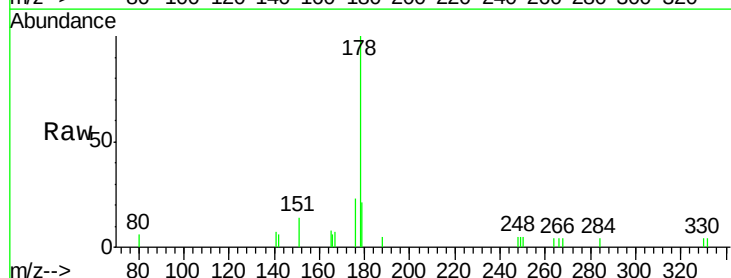
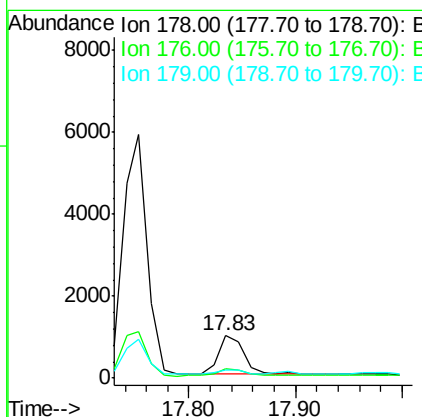
RT: 17.83 min Scan# 1526

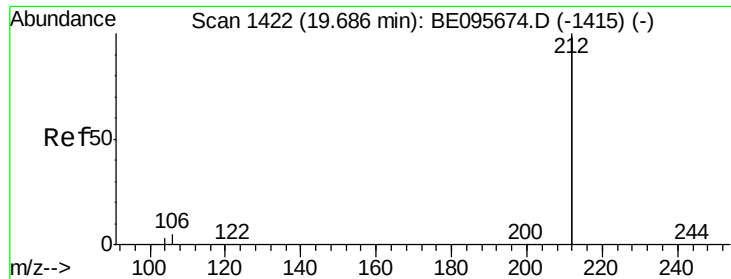
Delta R.T. 0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tgt Ion:	178	Resp:	1565
Ion Ratio	Lower	Upper	
178	100		
176	19.6	12.8	19.2#
179	12.2	13.0	19.6#





#25

Fluoranthene-d10

Concen: 0.008 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

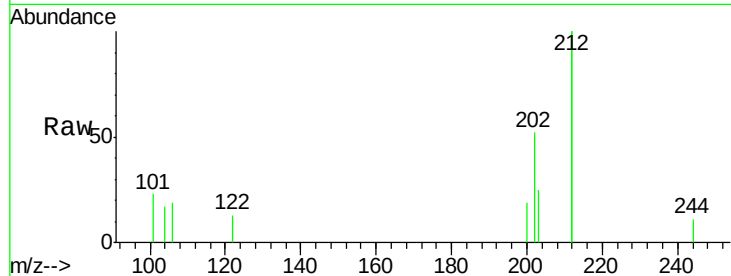
ClientSampled :

T-3_030518

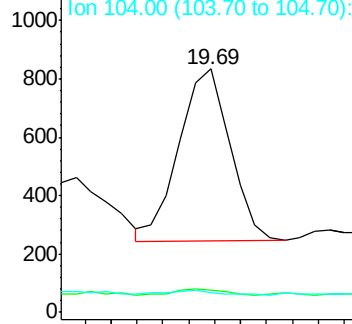
Tot Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	3.9	1.6	2.4

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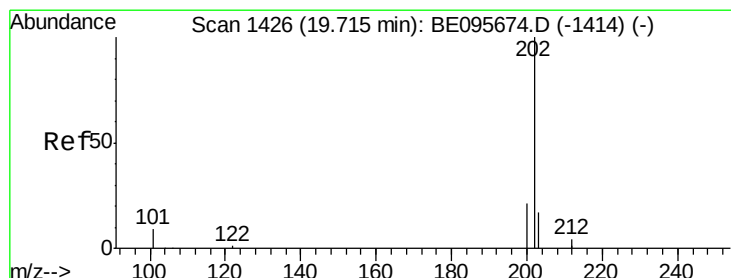
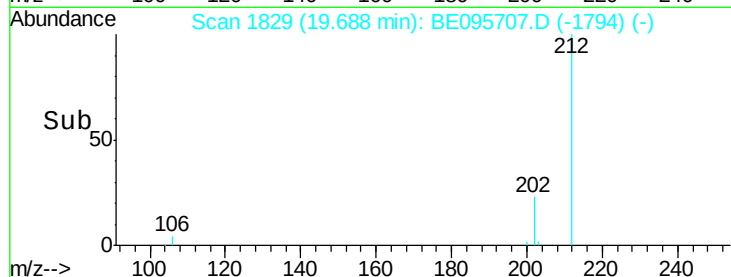
Sohil
3/7/2018 12:20:16 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.570 ng

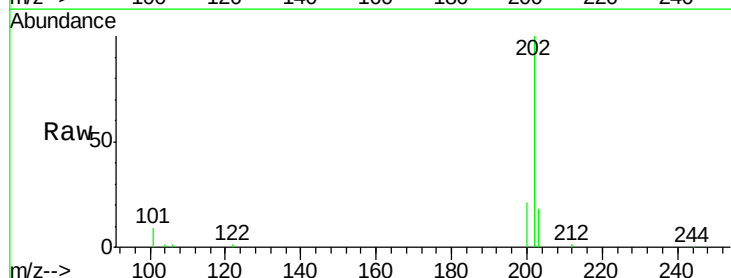
RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

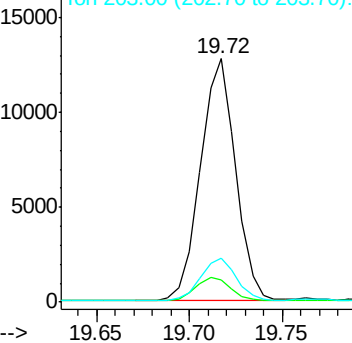
Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

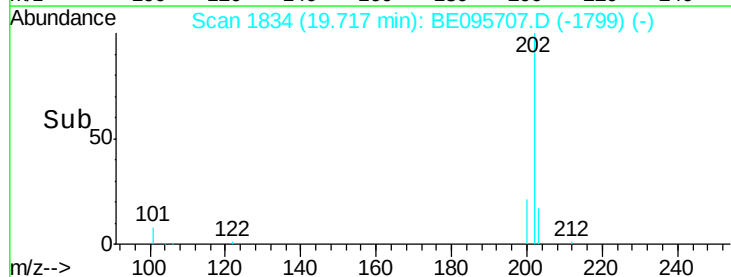
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	9.8	14.8
203	17.6	13.7	20.5

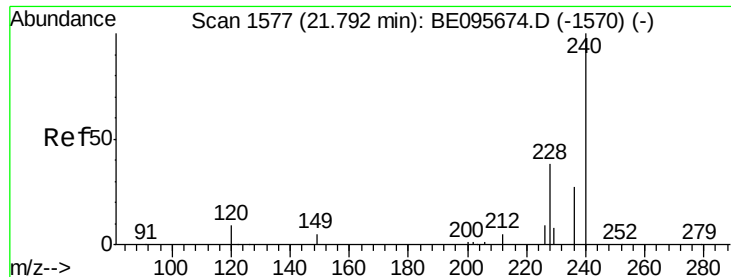


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





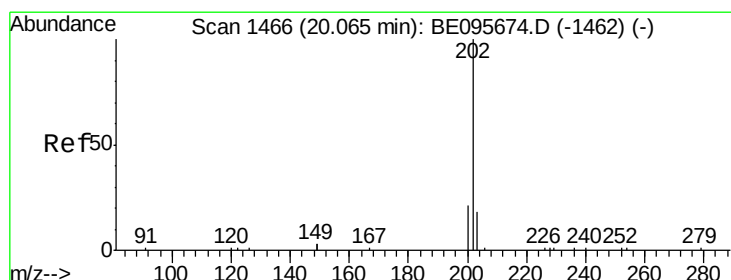
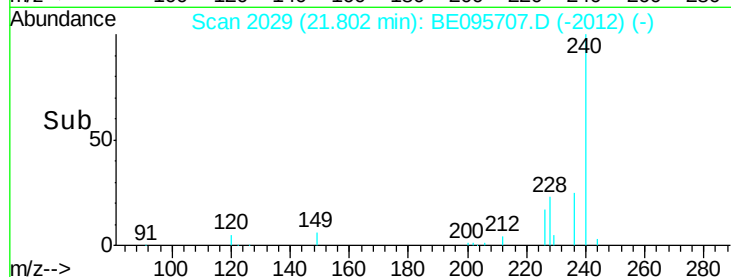
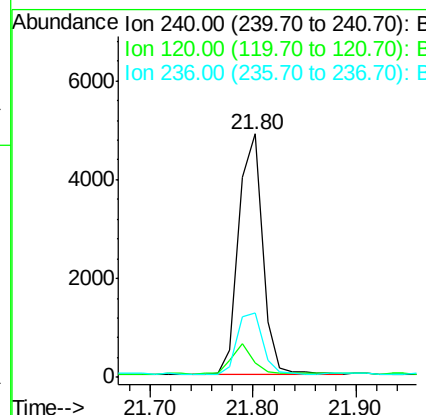
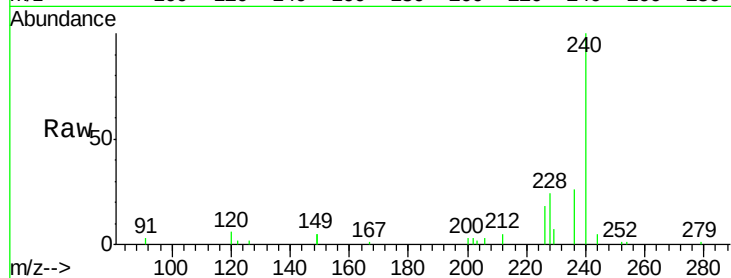
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Instrument :
BNA_E
ClientSampleId :
T-3_030518

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.5	8.3
236	26.2	20.7	31.1

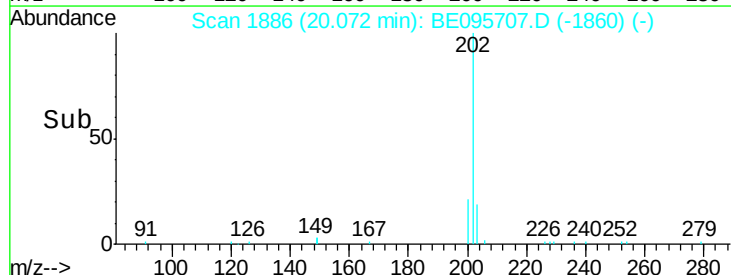
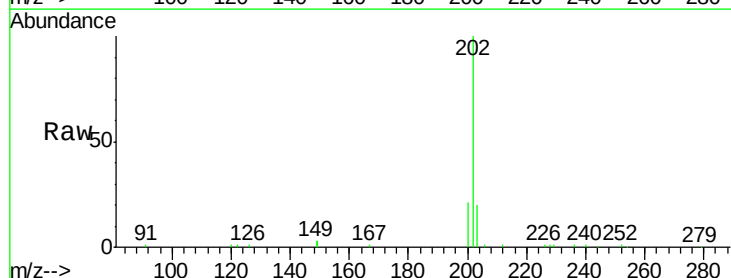
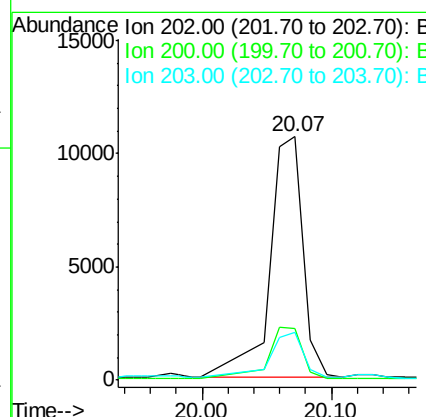
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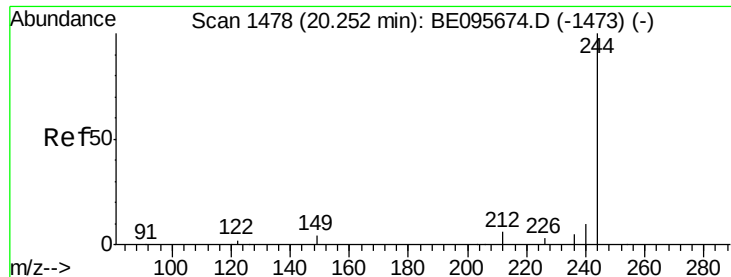
Sohil
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#28
Pyrene
Concen: 0.747 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	25.0
203	18.8	13.8	20.8





#29

Terphenyl-d14

Concen: 0.011 ng

RT: 20.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

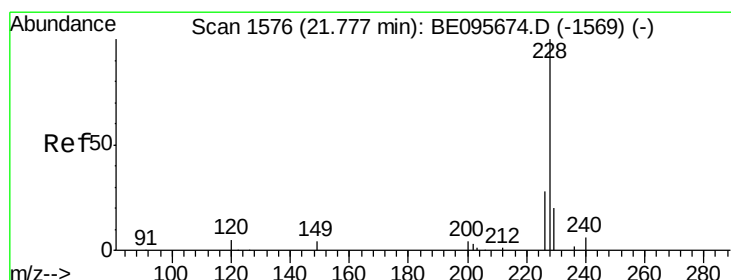
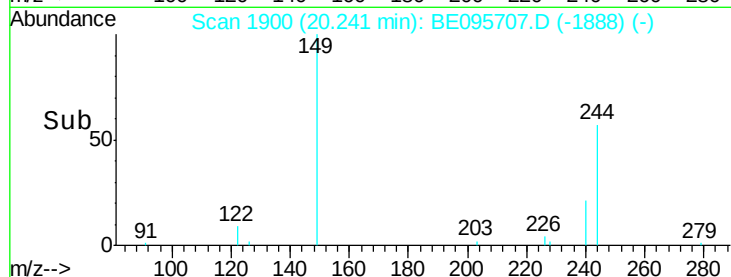
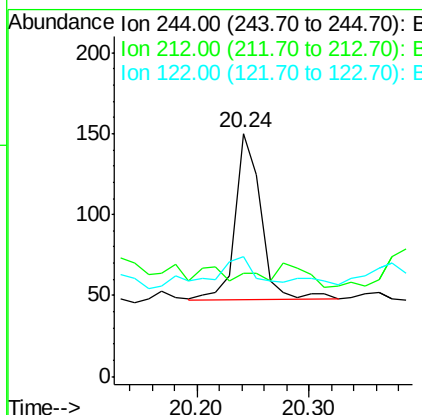
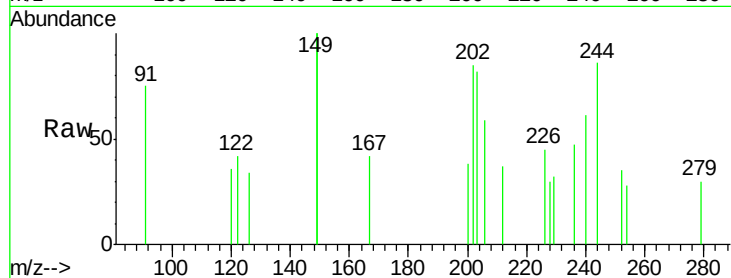
ClientSampled :

T-3_030518

Tot Ion:	244	Resp:	165
Ion Ratio	Lower	Upper	
244	100		
212	42.7	25.4	38.0#
122	49.3	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.391 ng

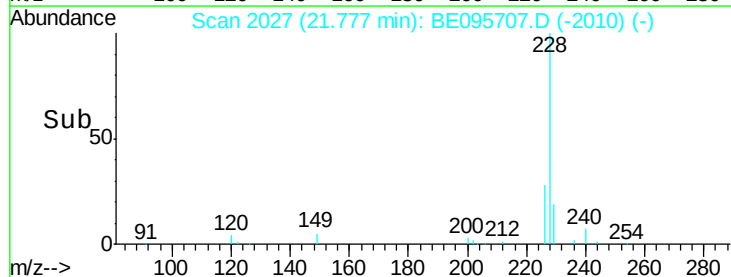
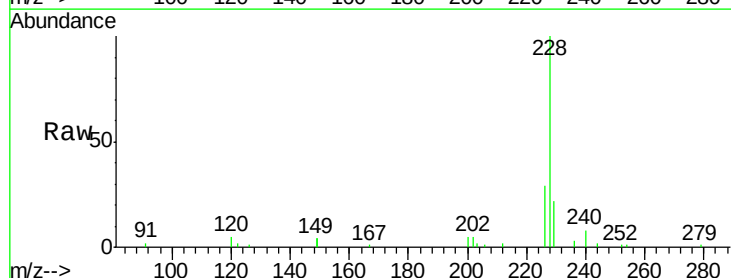
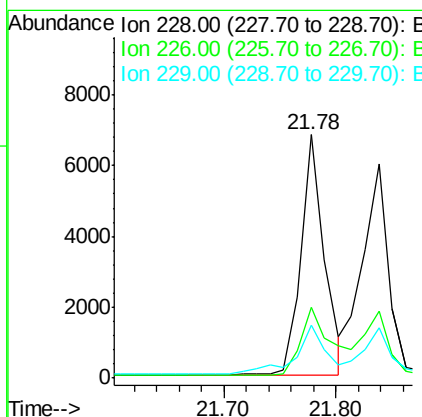
RT: 21.78 min Scan# 2027

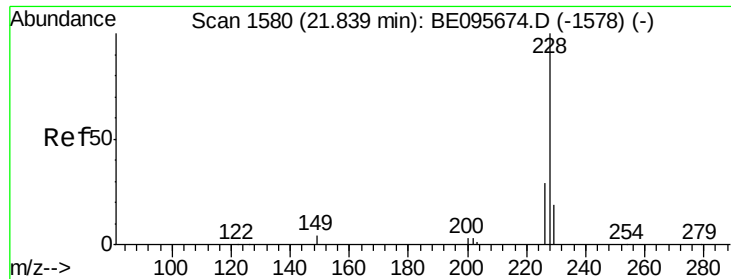
Delta R.T. 0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tgt Ion:	228	Resp:	9936
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.0	36.0
229	21.6	16.0	24.0





#31

Chrysene

Concen: 0.384 ng

RT: 21.84 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Instrument :

BNA_E

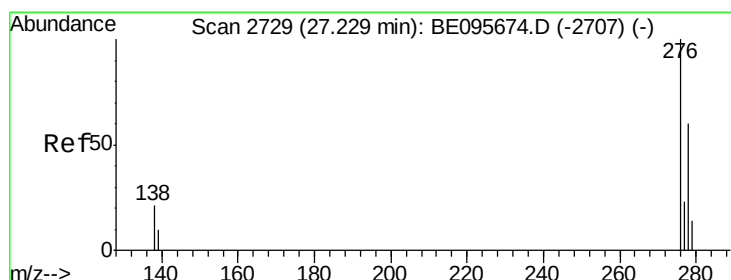
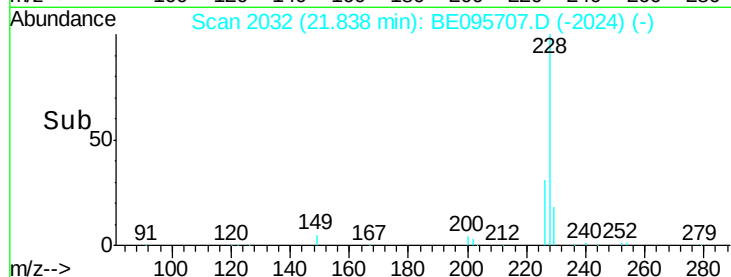
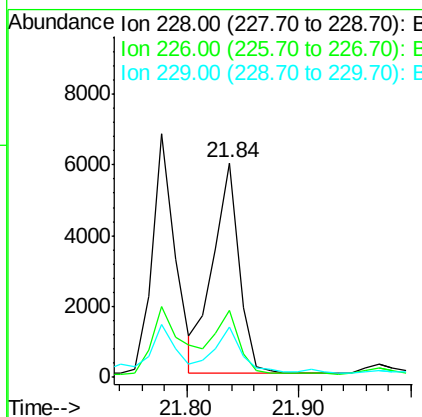
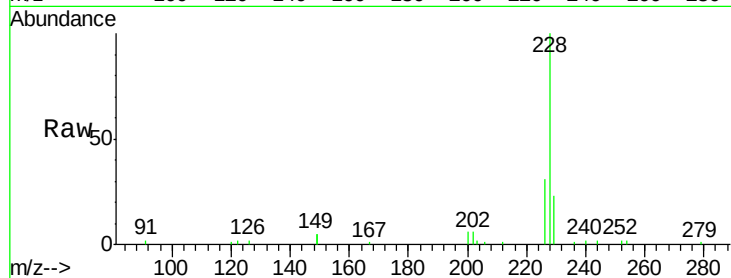
ClientSampled :

T-3_030518

Tot Ion:	228	Resp:	9693
Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	23.3	16.0	24.0

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.201 ng

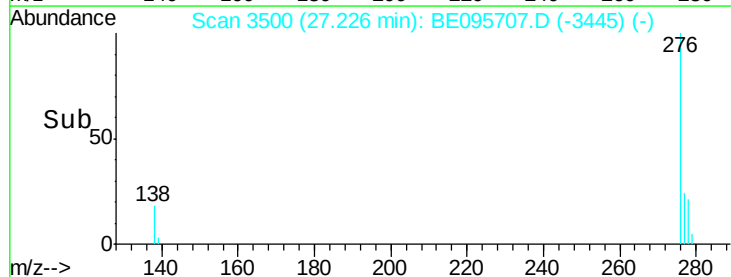
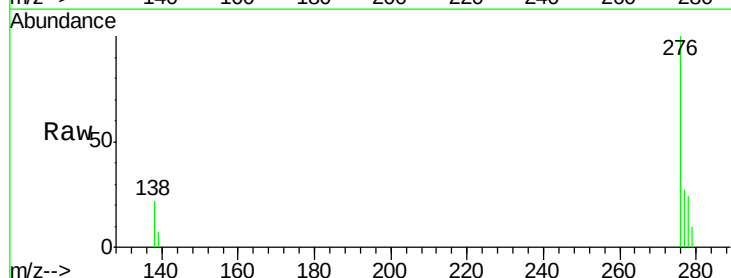
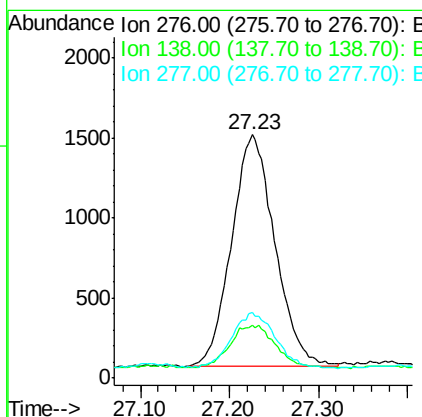
RT: 27.23 min Scan# 3500

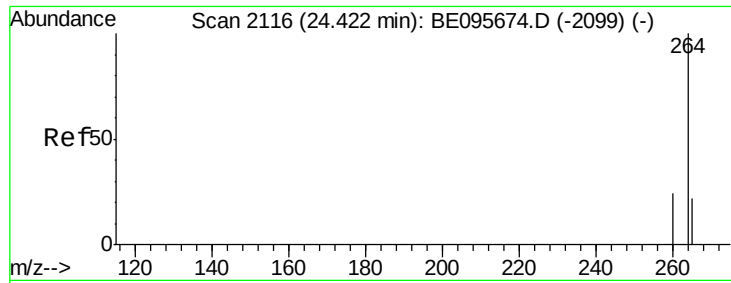
Delta R.T. -0.00 min

Lab File: BE095707.D

Acq: 6 Mar 2018 20:59

Tgt Ion:	276	Resp:	4916
Ion	Ratio	Lower	Upper
276	100		
138	19.6	22.5	33.7#
277	24.6	19.9	29.9





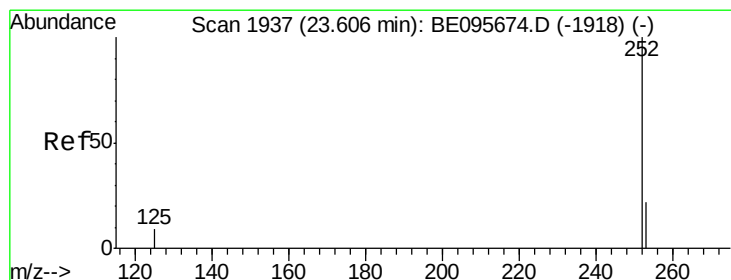
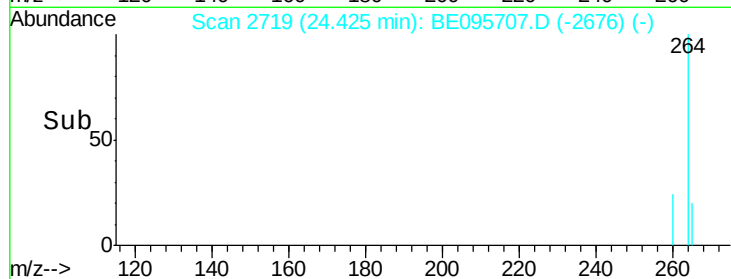
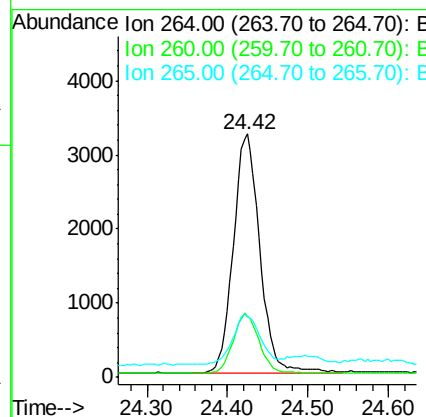
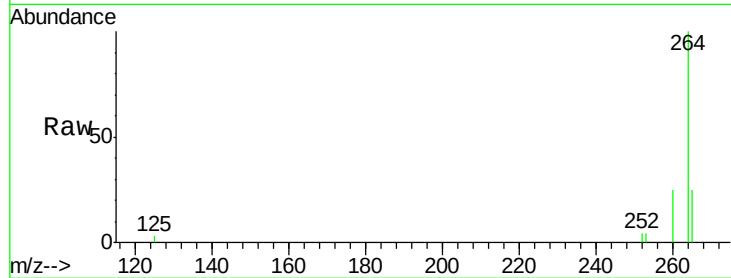
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.42 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Instrument :
 BNA_E
 ClientSampleId :
 T-3_030518

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.5	30.7
265	24.6	22.8	34.2

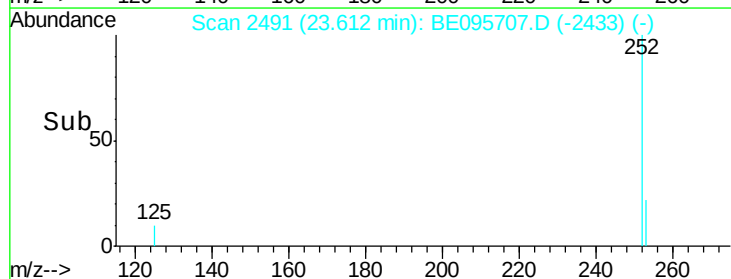
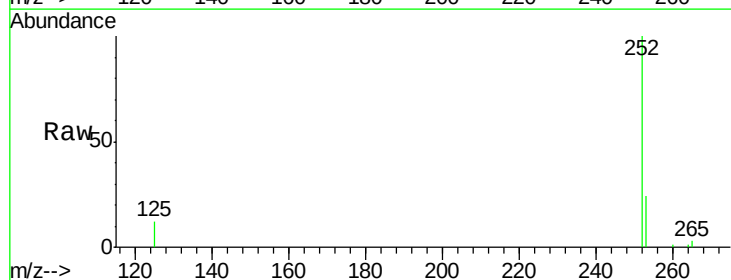
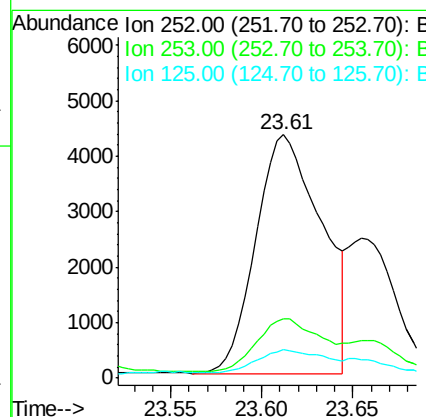
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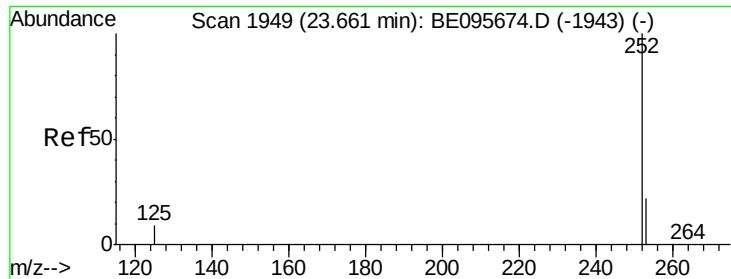
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#35
 Benzo(b)fluoranthene
 Concen: 0.412 ng
 RT: 23.61 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.0	30.0
125	11.7	16.0	24.0





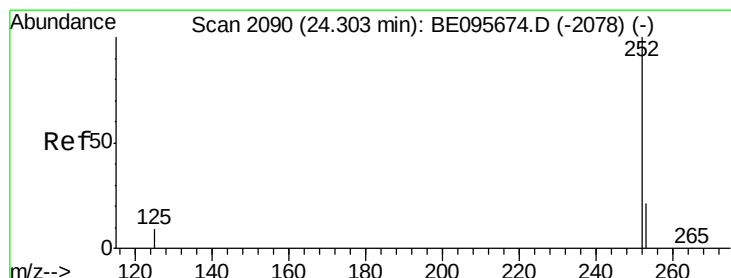
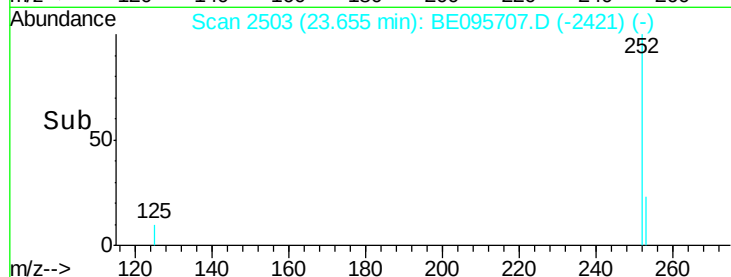
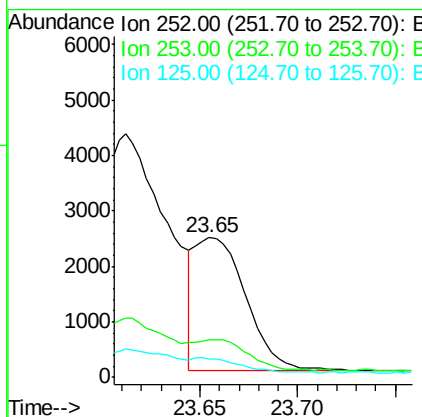
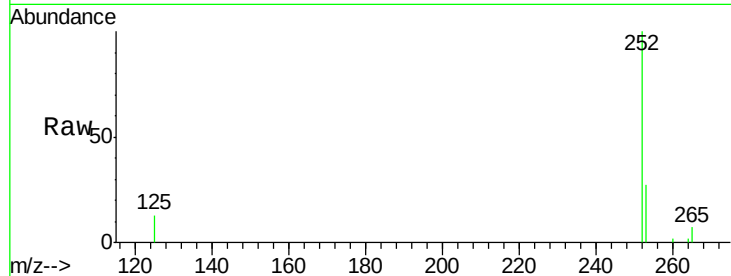
#36
Benzo(k)fluoranthene
Concen: 0.167 ng m
RT: 23.65 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Instrument :
BNA_E
ClientSampled :
T-3_030518

Tot Ion:252 Resp: 4370
Ion Ratio Lower Upper
252 100
253 26.7 16.0 24.0#
125 13.3 8.0 12.0#

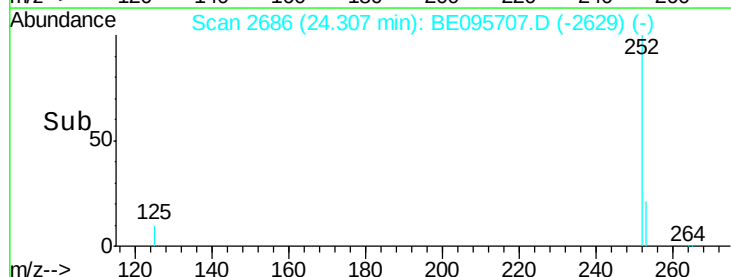
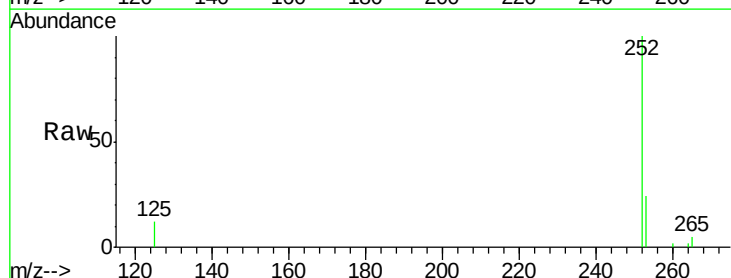
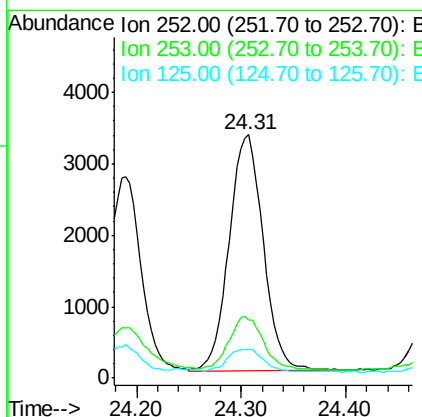
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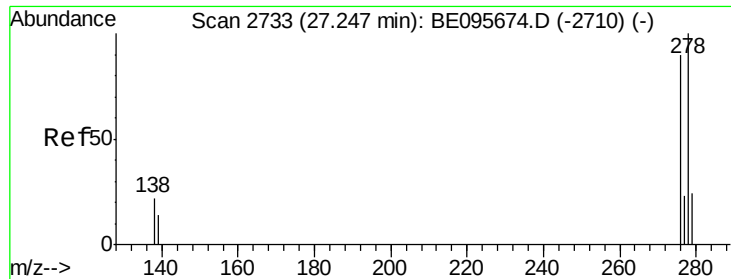
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#37
Benzo(a)pyrene
Concen: 0.315 ng
RT: 24.31 min Scan# 2686
Delta R.T. 0.00 min
Lab File: BE095707.D
Acq: 6 Mar 2018 20:59

Tgt Ion:252 Resp: 7465
Ion Ratio Lower Upper
252 100
253 24.1 16.0 24.0#
125 12.0 12.0 18.0#





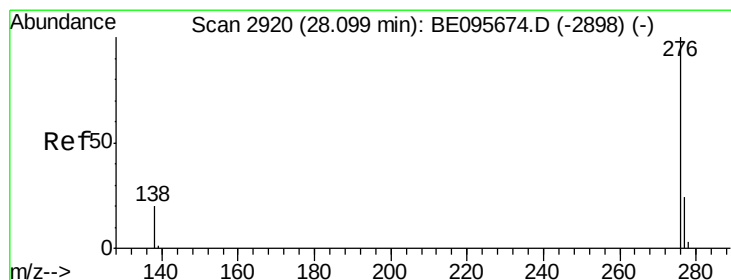
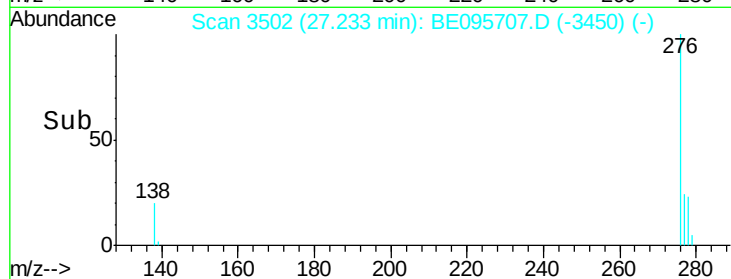
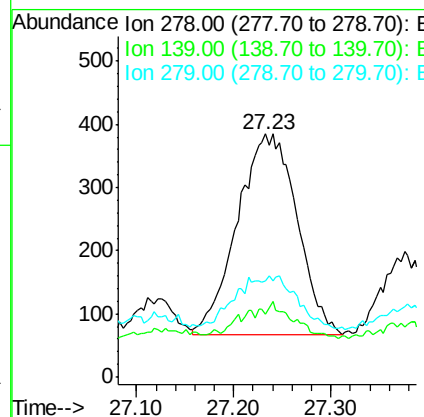
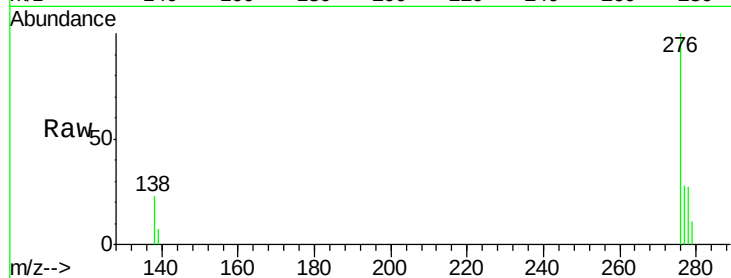
#38
 Dibenzo(a,h)anthracene
 Concen: 0.064 ng
 RT: 27.23 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Instrument :
 BNA_E
 ClientSampled :
 T-3_030518

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.0	16.0	24.0#
279	39.7	20.0	30.0#

Manual Integrations
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 3/7/2018 12:20:16 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.220 ng
 RT: 28.10 min Scan# 3745
 Delta R.T. 0.00 min
 Lab File: BE095707.D
 Acq: 6 Mar 2018 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	16.0	24.0#
138	22.4	20.0	30.0

