

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030718\
 Data File : BE095721.D
 Acq On : 7 Mar 2018 13:30
 Operator : SJ/JU
 Sample : J1811-10
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-10_030518

Manual Integrations
 APPROVED

Sohil
 3/8/2018 4:46:30 PM

Quant Time: Mar 07 14:35:25 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	1624	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	6374	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3625	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	8106	0.40	ng	0.00
27) Chrysene-d12	21.80	240	8370	0.40	ng	0.00
34) Perylene-d12	24.43	264	8115	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	1043	0.24	ng	0.00
5) Phenol-d6	7.56	99	1465	0.25	ng	0.00
8) Nitrobenzene-d5	9.61	82	1585	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2390	0.22	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	338	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3364	0.21	ng	0.00
25) Fluoranthene-d10	19.69	212	20458	0.19	ng	0.00
29) Terphenyl-d14	20.25	244	3194	0.19	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	11.31	128	1874	0.026	ng	# 91
12) 2-Methylnaphthalene	12.88	142	677	0.053	ng	95
16) Acenaphthylene	14.74	152	1881	0.092	ng	96
18) Fluorene	16.03	166	1722	0.109	ng	# 77
23) Phenanthrene	17.75	178	40715	1.607	ng	98
24) Anthracene	17.84	178	8341	0.359	ng	95
26) Fluoranthene	19.72	202	72476	2.325	ng	# 97
28) Pyrene	20.07	202	70114	2.048	ng	96
30) Benzo(a)anthracene	21.78	228	28284	1.036	ng	99
31) Chrysene	21.84	228	26169	0.964	ng	95
32) Bis(2-ethylhexyl)phthalate	21.66	149	4111	0.085	ng	# 95
33) Indeno(1,2,3-cd)pyrene	27.23	276	9822	0.373	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	24351	0.842	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	9253m	0.322	ng	
37) Benzo(a)pyrene	24.30	252	16816	0.645	ng	# 92
38) Dibenzo(a,h)anthracene	27.24	278	2864	0.124	ng	# 84
39) Benzo(a,h,i)perylene	28.11	276	9098	0.366	ng	# 91

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

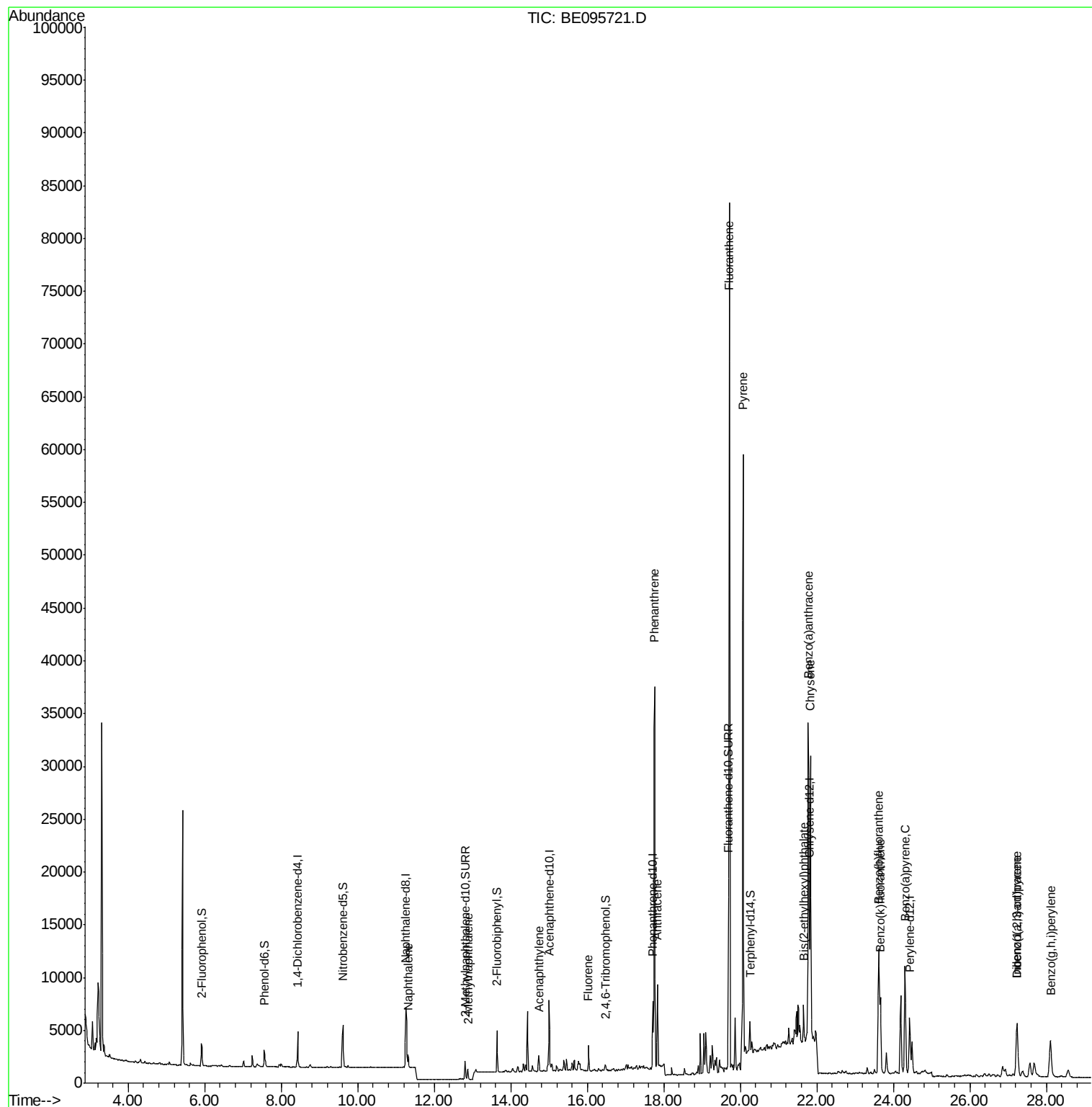
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA E\DATA\BE030718\
Data File : BE095721.D
Acq On : 7 Mar 2018 13:30
Operator : SJ/JU
Sample : J1811-10
Misc :
ALS Vial : 5 Sample Multiplier: 1

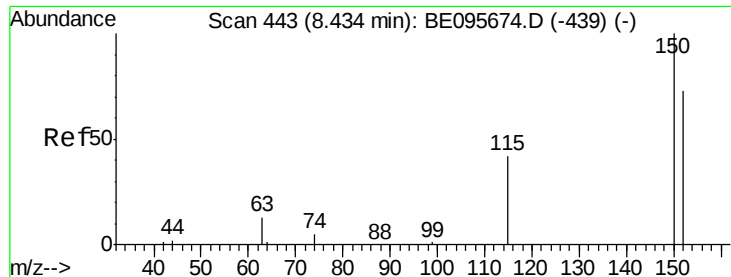
Instrument :
BNA_E
ClientSampleId :
T-10_030518

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Quant Time: Mar 07 14:35:25 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

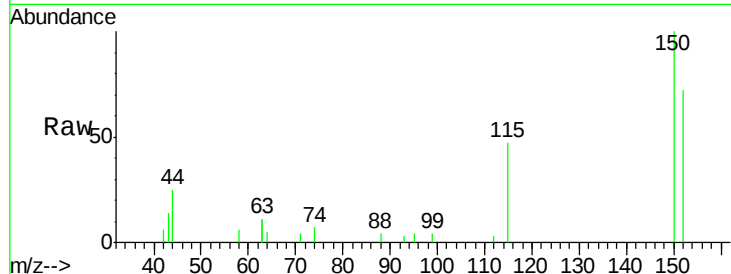
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.7	117.2	175.8
115	65.1	57.0	85.6

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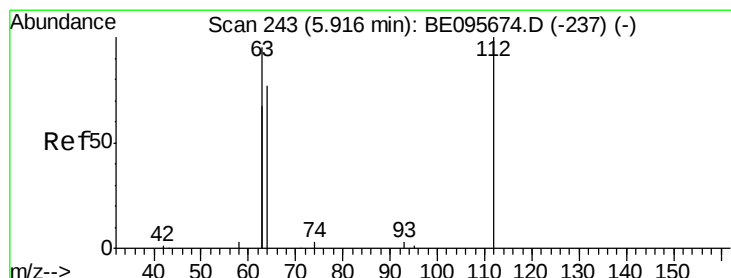
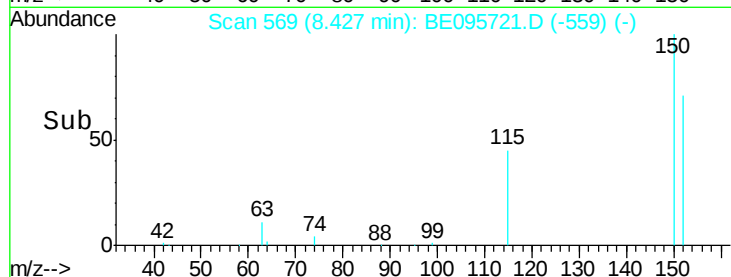
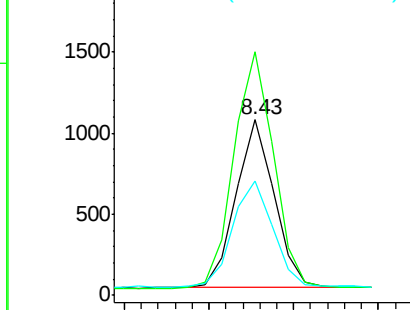


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

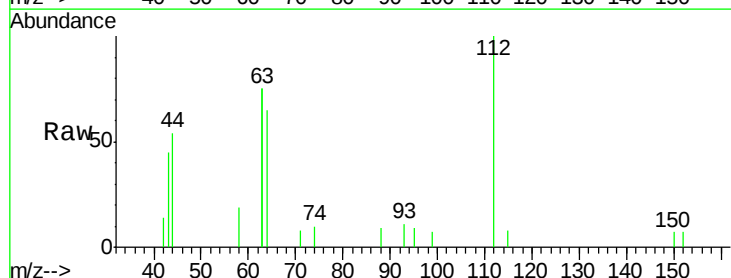
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.243 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.2	60.1	90.1
63	164.4	116.8	175.2

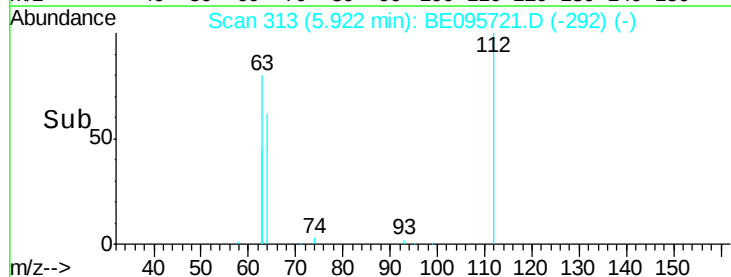
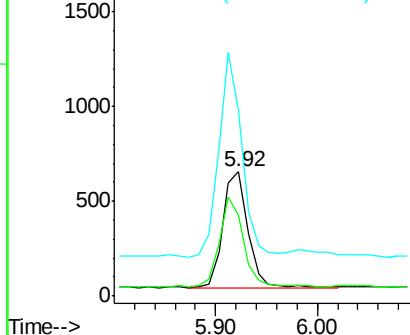


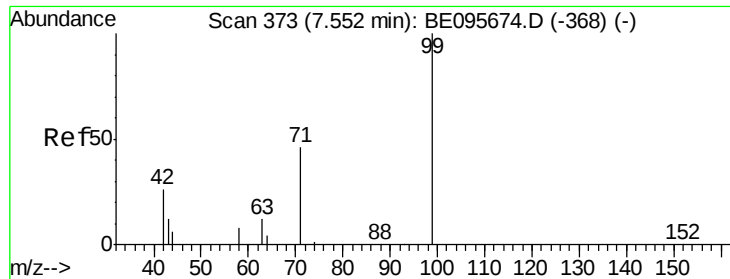
Abundance

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: 0.247 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

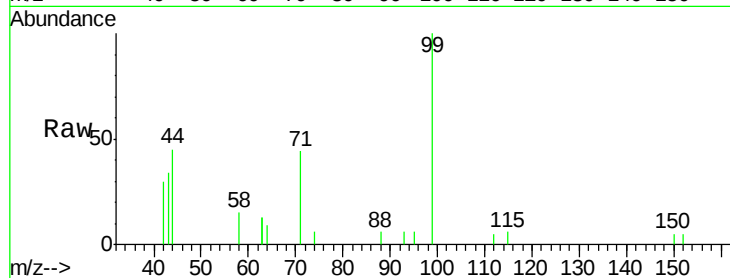
ClientSampleId :

T-10_030518

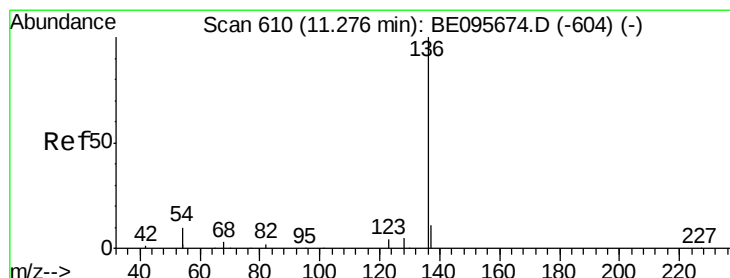
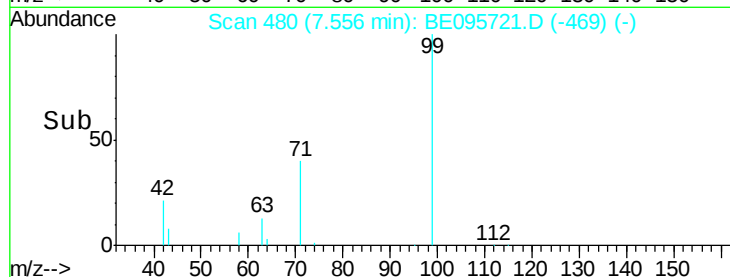
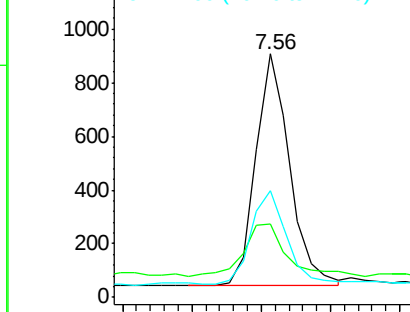
Tot Ion:	99	Resp:	1465
Ion	Ratio	Lower	Upper
99	100		
42	25.5	20.2	30.2
71	41.9	28.4	42.6

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 11.26 min Scan# 784

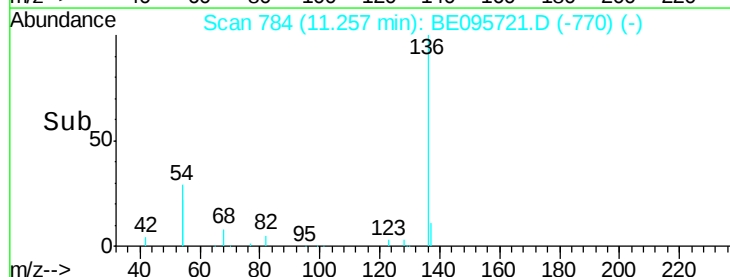
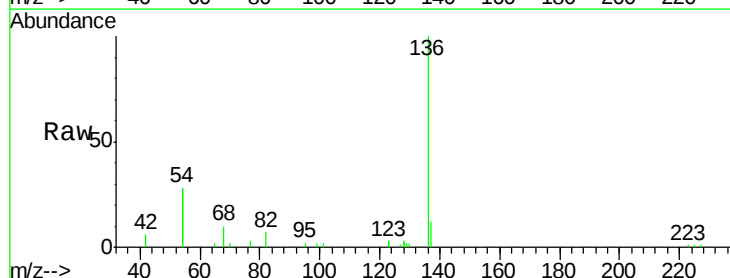
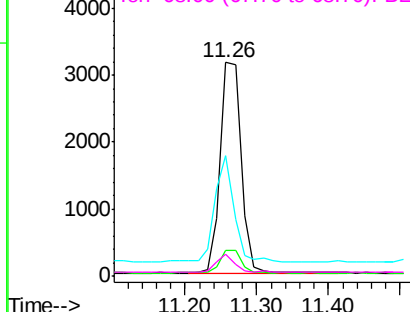
Delta R.T. -0.02 min

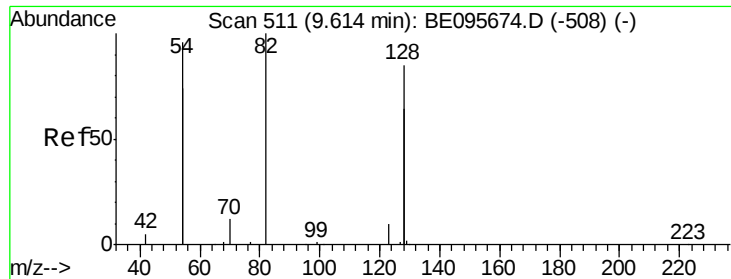
Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion:	136	Resp:	6374
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	56.6	29.1	43.7#
68	9.9	6.2	9.2#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.241 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

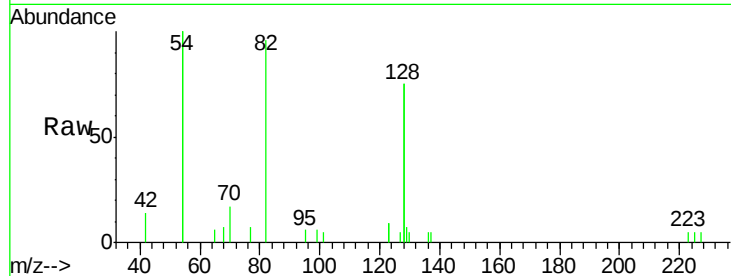
ClientSampled :

T-10_030518

Tot Ion:	82	Resp:	1585
Ion	Ratio	Lower	Upper
82	100		
128	155.4	150.0	225.0
54	208.0	154.2	231.4

Manual Integrations
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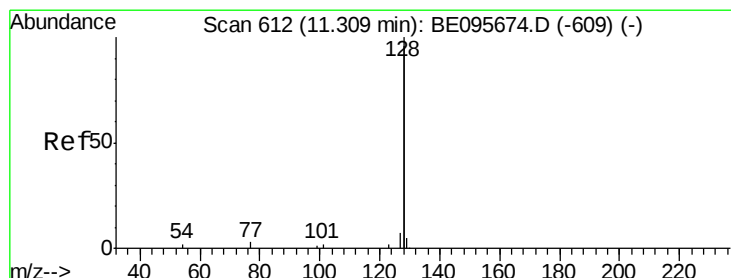
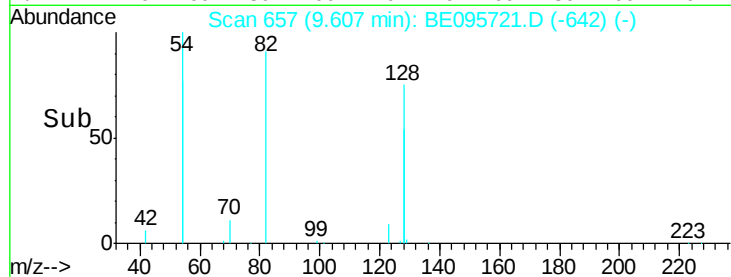
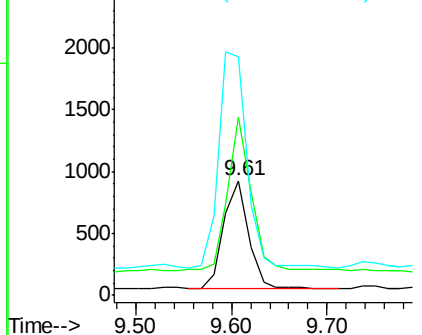
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Abundance Ion 82.00 (81.70 to 82.70): BE095721.D (-642) (-)

Ion 128.00 (127.70 to 128.70): BE095721.D (-642) (-)

Ion 54.00 (53.70 to 54.70): BE095721.D (-642) (-)



#9

Naphthalene

Concen: 0.026 ng

RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095721.D

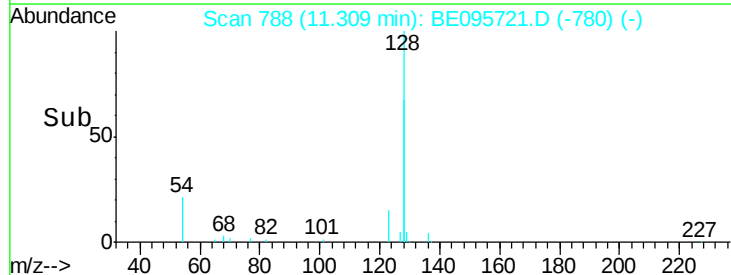
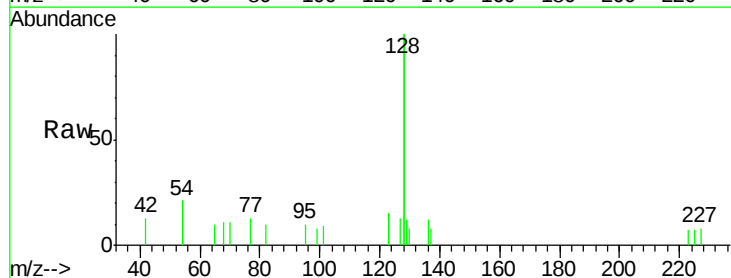
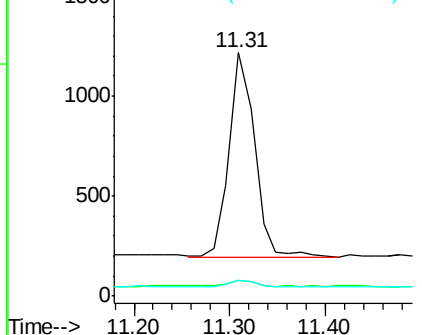
Acq: 7 Mar 2018 13:30

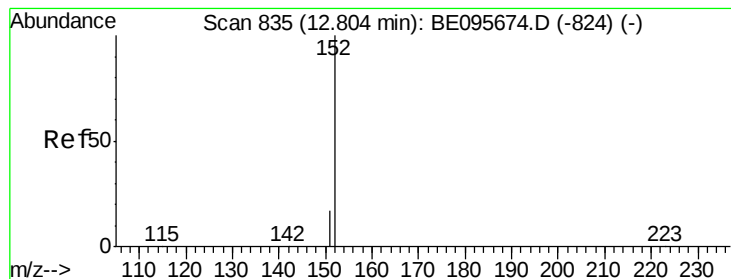
Tgt Ion:	128	Resp:	1874
Ion	Ratio	Lower	Upper
128	100		
129	6.2	2.6	3.8#
127	6.6	2.8	4.2#

Abundance Ion 128.00 (127.70 to 128.70): BE095721.D (-780) (-)

Ion 129.00 (128.70 to 129.70): BE095721.D (-780) (-)

Ion 127.00 (126.70 to 127.70): BE095721.D (-780) (-)





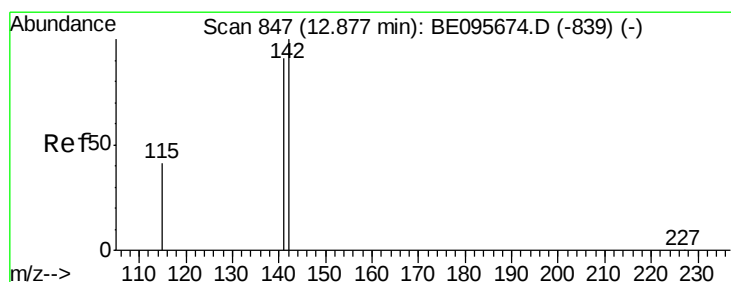
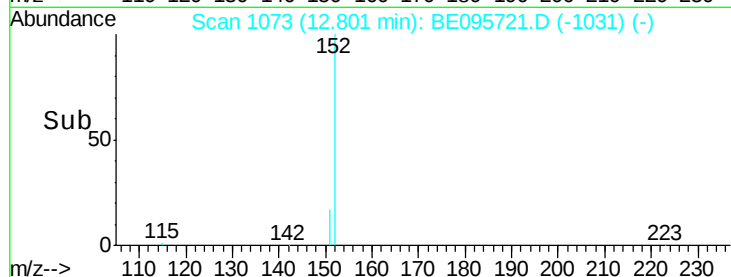
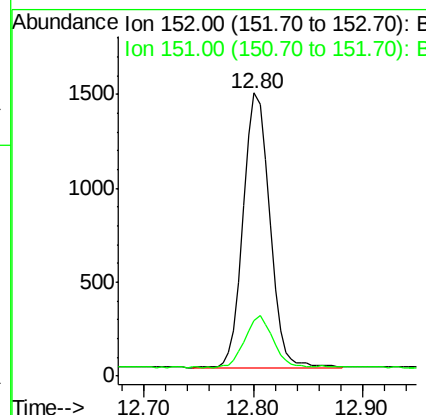
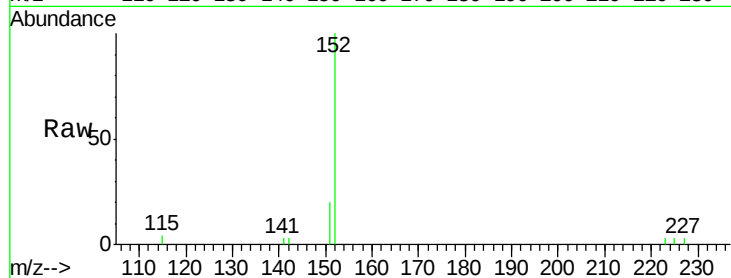
#11
2-Methylnaphthalene-d10
Concen: 0.224 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.0

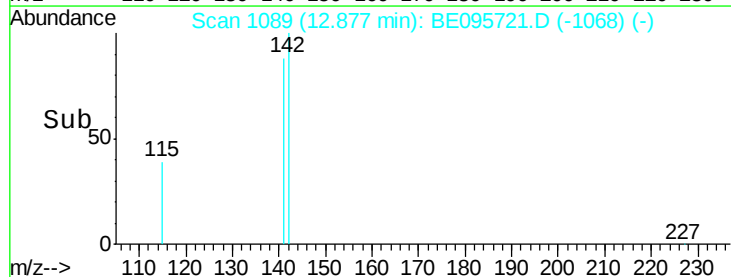
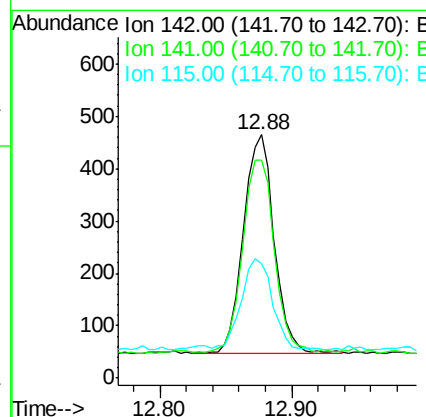
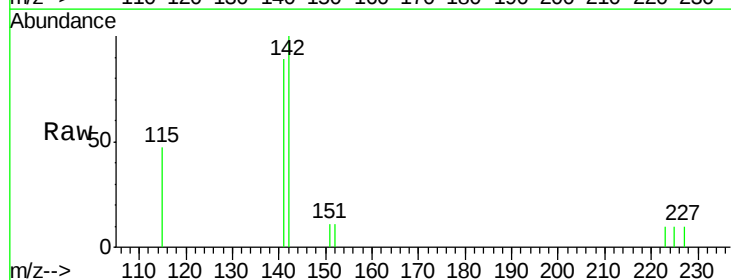
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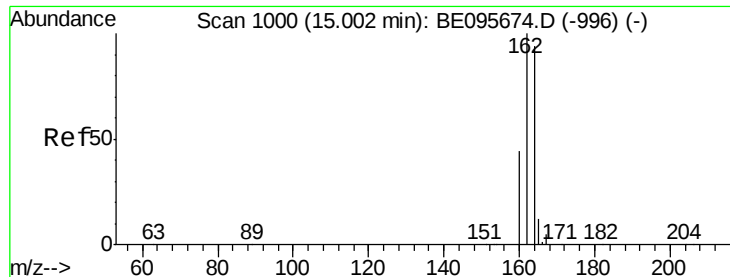
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#12
2-Methylnaphthalene
Concen: 0.053 ng
RT: 12.88 min Scan# 1089
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.4	105.6
115	47.1	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: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

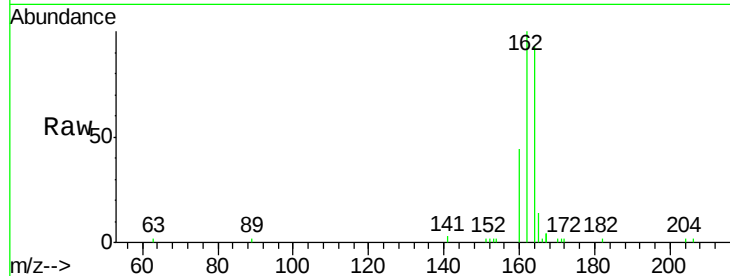
ClientSampleId :

T-10_030518

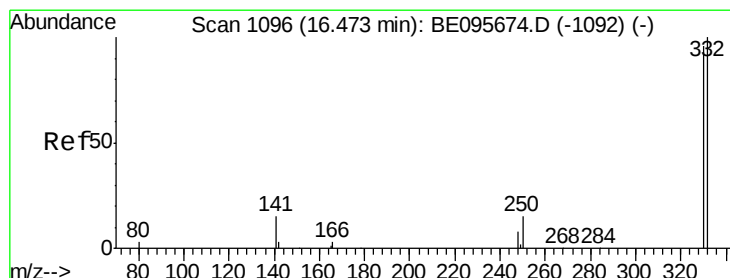
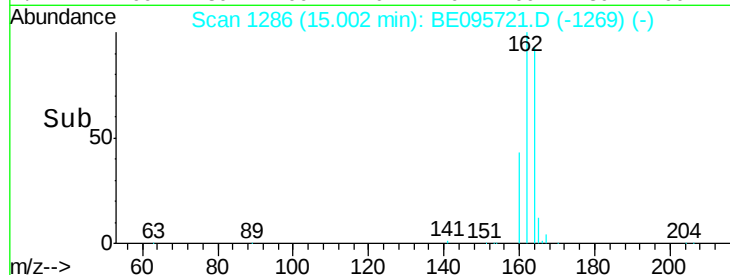
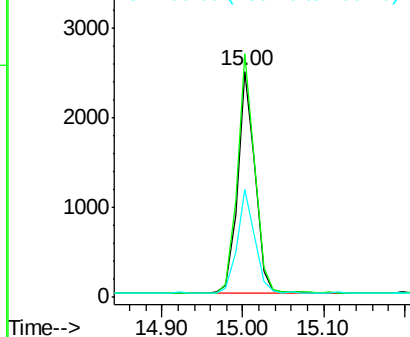
Tot Ion:	164	Resp:	3625
Ion	Ratio	Lower	Upper
164	100		
162	107.8	83.1	124.7
160	47.9	37.1	55.7

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.310 ng

RT: 16.47 min Scan# 1409

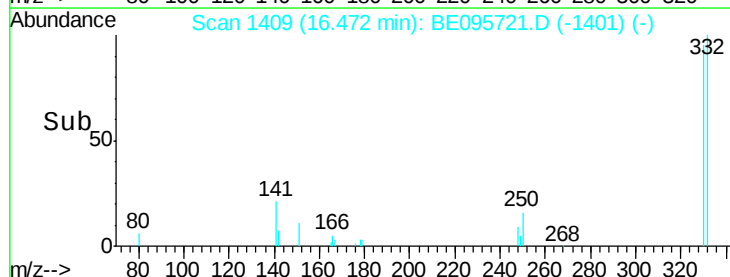
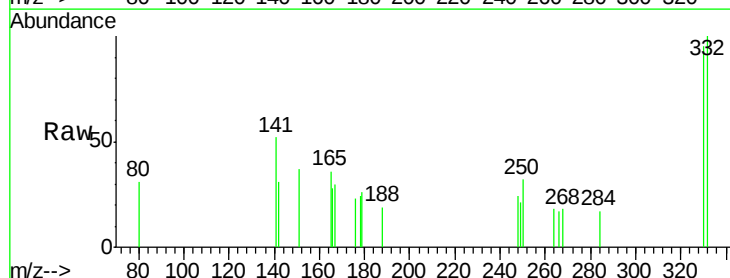
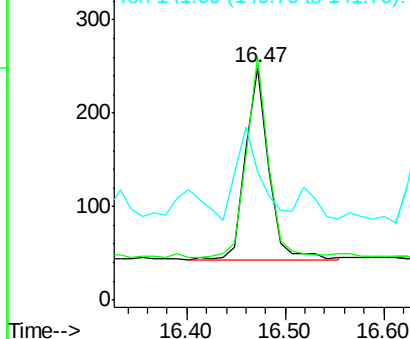
Delta R.T. -0.00 min

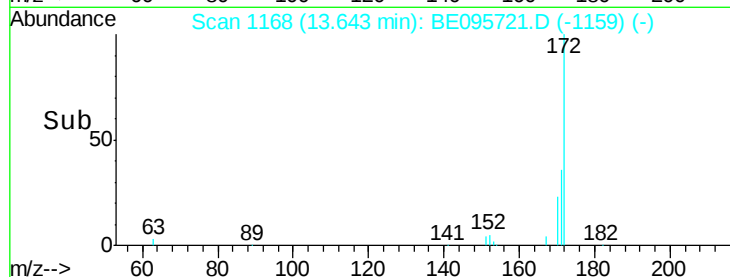
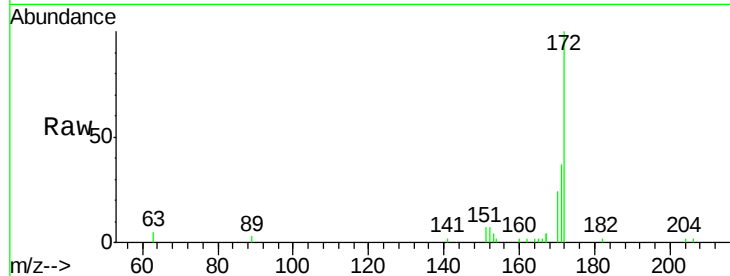
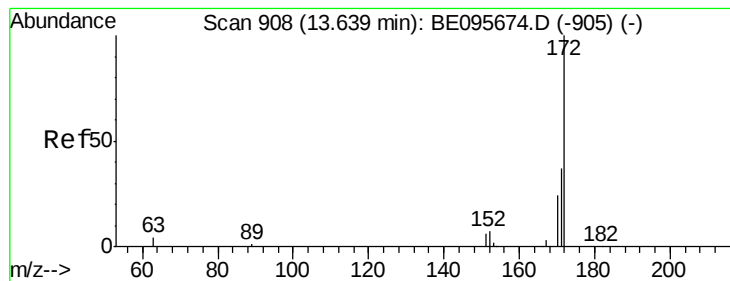
Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion:	330	Resp:	338
Ion	Ratio	Lower	Upper
330	100		
332	99.4	152.7	229.1#
141	52.1	33.7	50.5#

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.208 ng

RT: 13.64 min Scan# 1168

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

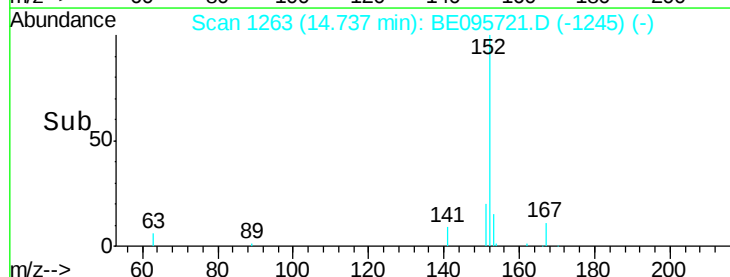
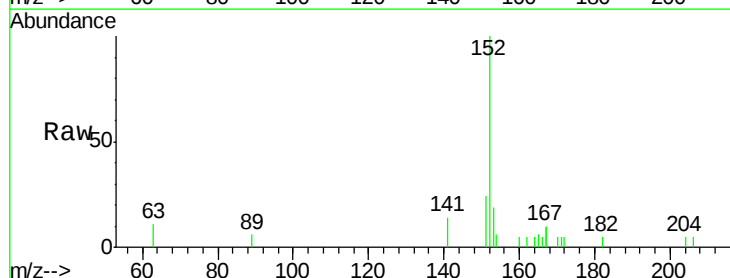
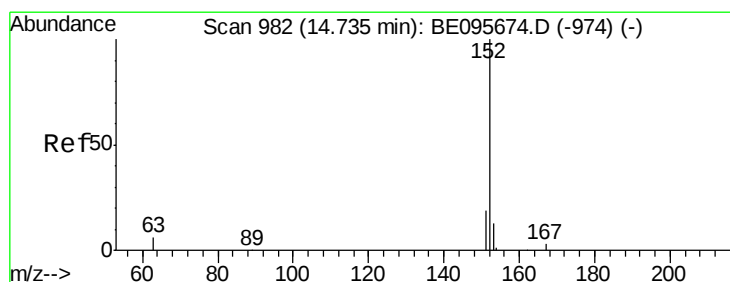
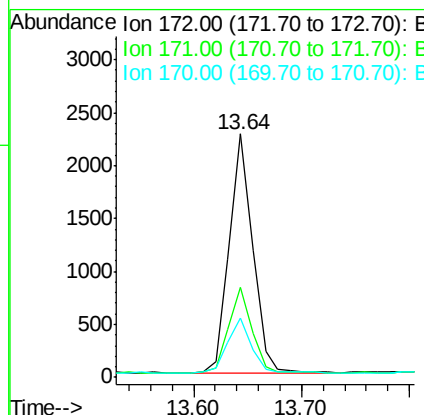
ClientSampleId :

T-10_030518

Tot Ion:	172	Resp:	3364
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.9	44.9
170	24.3	21.8	32.8

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#16

Acenaphthylene

Concen: 0.092 ng

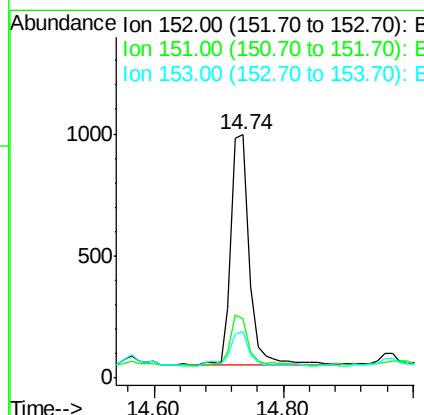
RT: 14.74 min Scan# 1263

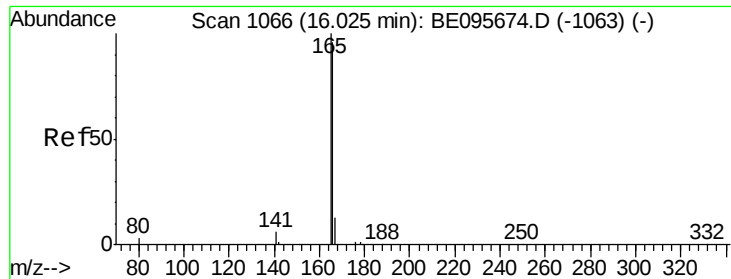
Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion:	152	Resp:	1881
Ion Ratio	Lower	Upper	
152	100		
151	21.1	15.7	23.5
153	15.0	10.5	15.7





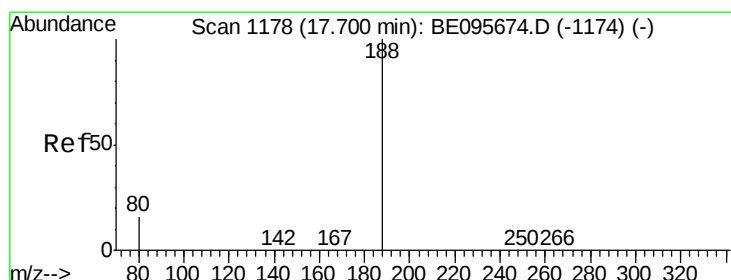
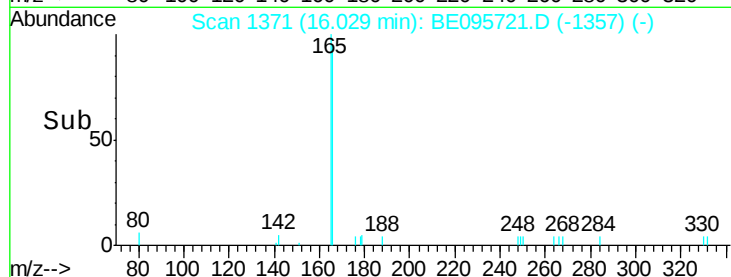
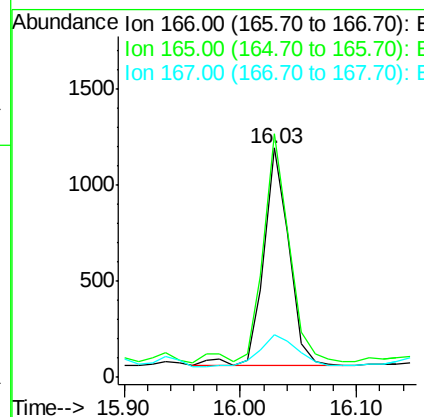
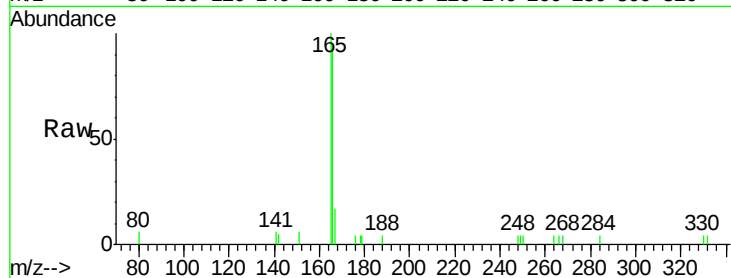
#18
Fluorene
 Concen: 0.109 ng
 RT: 16.03 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE095721.D
 Acq: 7 Mar 2018 13:30

Instrument :
 BNA_E
 ClientSampleId :
 T-10_030518

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.9	77.8	116.6
167	21.3	42.4	63.6

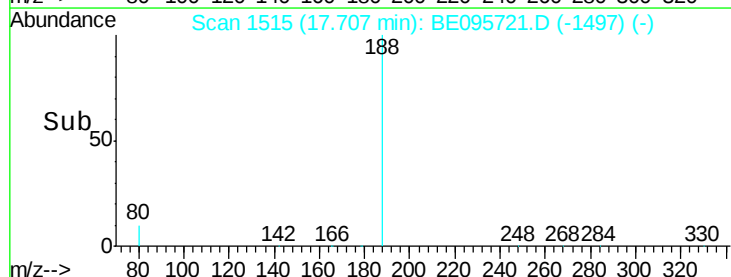
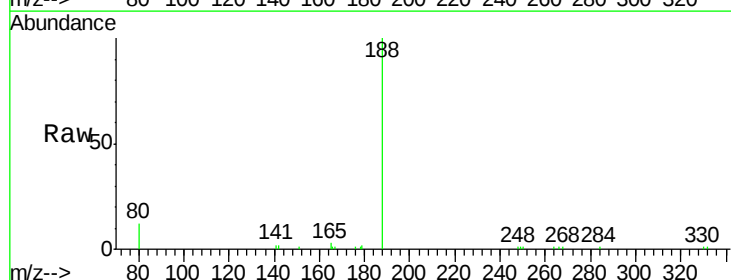
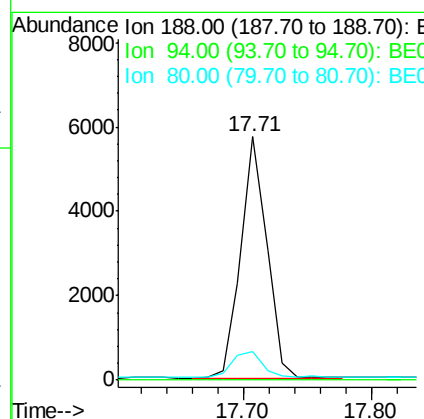
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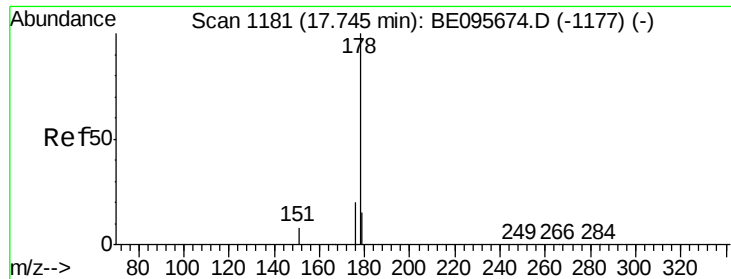
Sohil
 3/8/2018 4:46:30 PM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.71 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: BE095721.D
 Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9
80	11.7	3.6	5.4





#23

Phenanthrene

Concen: 1.607 ng

RT: 17.75 min Scan# 1519

Delta R.T. 0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

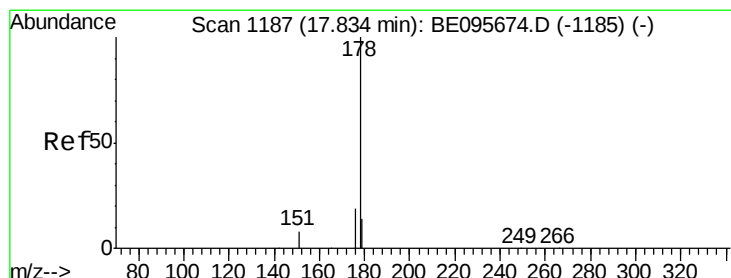
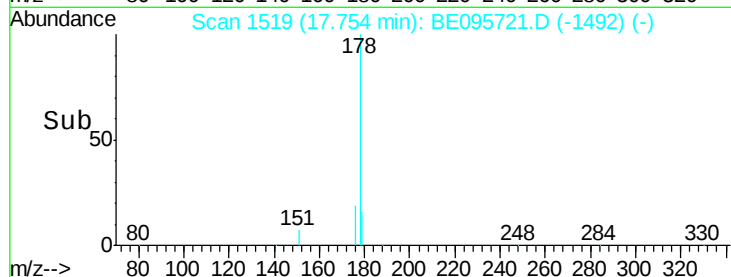
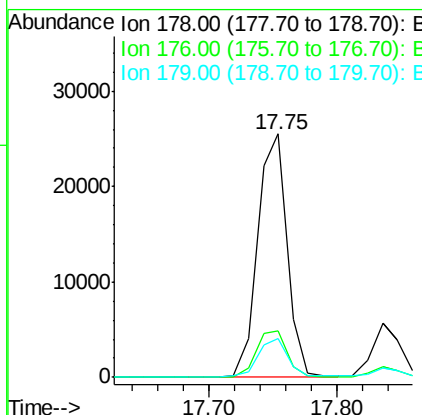
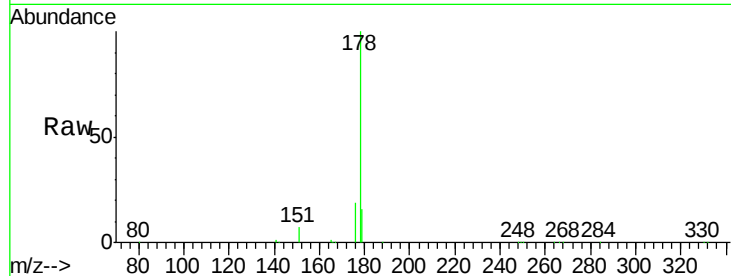
ClientSampleId :

T-10_030518

Tot Ion:	178	Resp:	40715
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.1	22.7
179	15.8	11.8	17.6

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#24

Anthracene

Concen: 0.359 ng

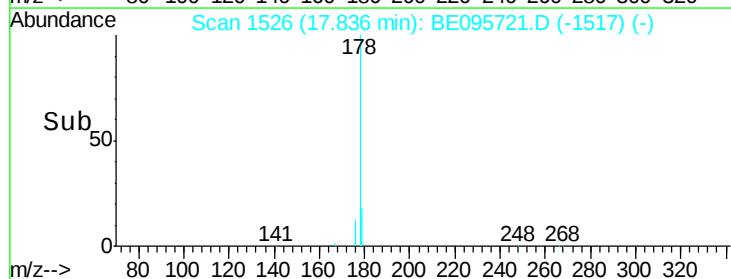
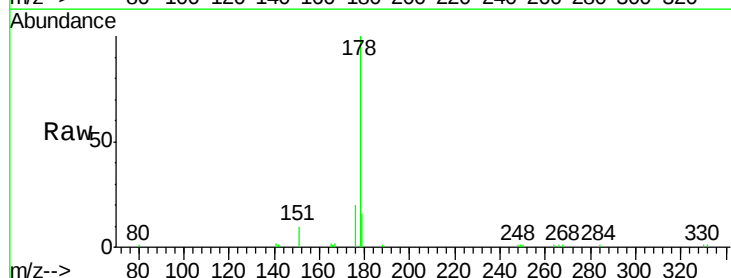
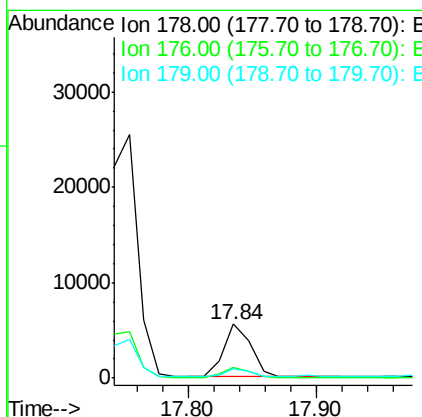
RT: 17.84 min Scan# 1526

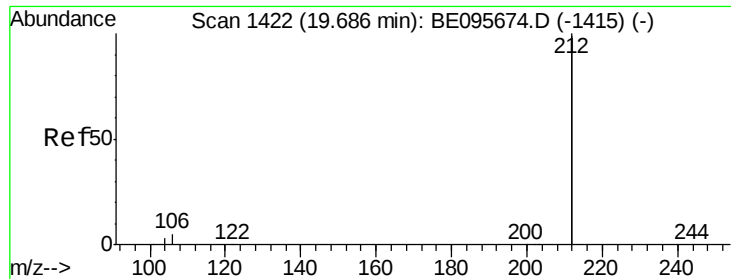
Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion:	178	Resp:	8341
Ion Ratio	Lower	Upper	
178	100		
176	18.8	12.8	19.2
179	15.1	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.193 ng

RT: 19.69 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

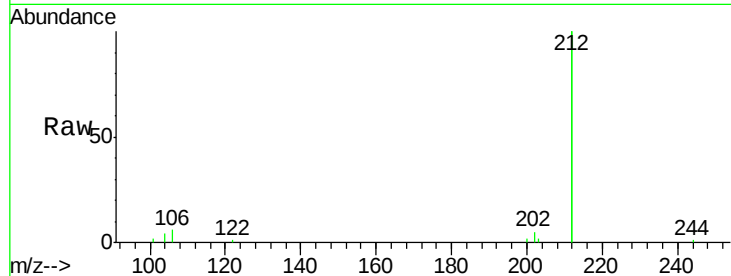
ClientSampleId :

T-10_030518

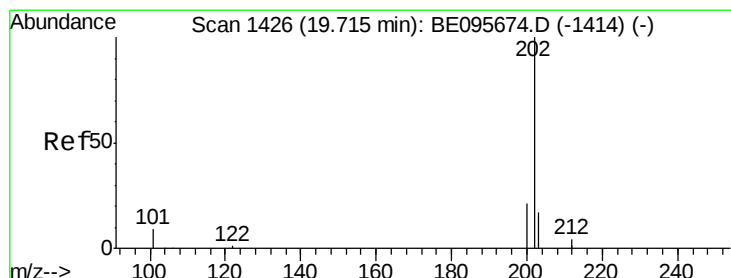
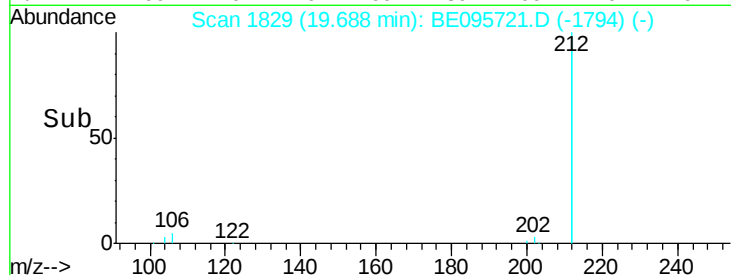
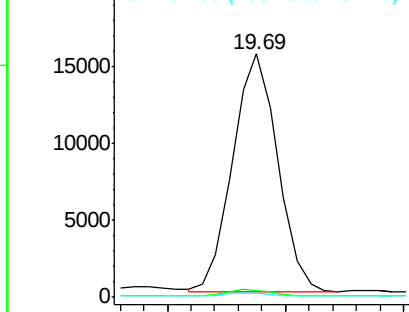
Tot Ion:	212	Resp:	20458
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.8	4.2
104	1.7	1.6	2.4

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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



#26

Fluoranthene

Concen: 2.325 ng

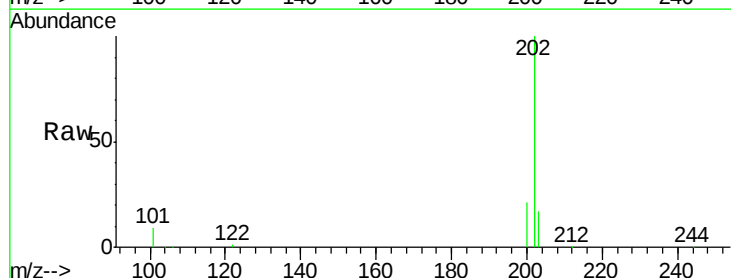
RT: 19.72 min Scan# 1834

Delta R.T. 0.00 min

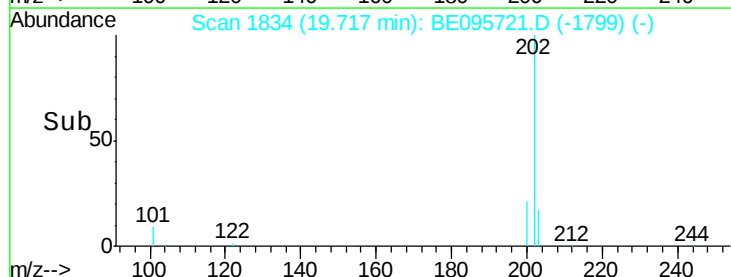
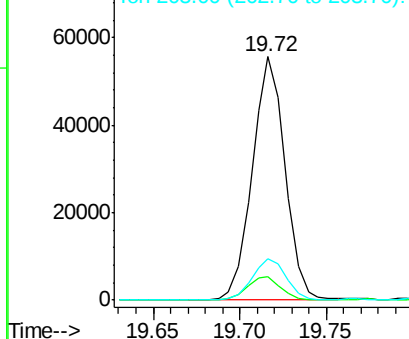
Lab File: BE095721.D

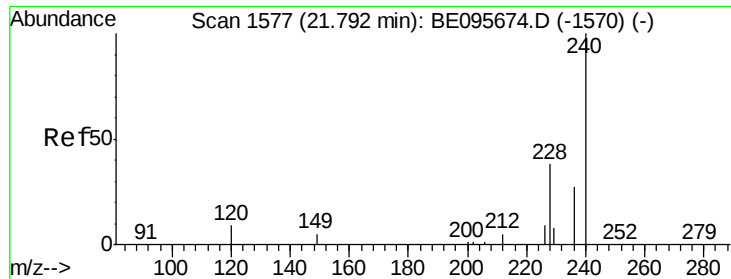
Acq: 7 Mar 2018 13:30

Tgt Ion:	202	Resp:	72476
Ion Ratio	Lower	Upper	
202	100		
101	9.6	9.8	14.8#
203	17.3	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





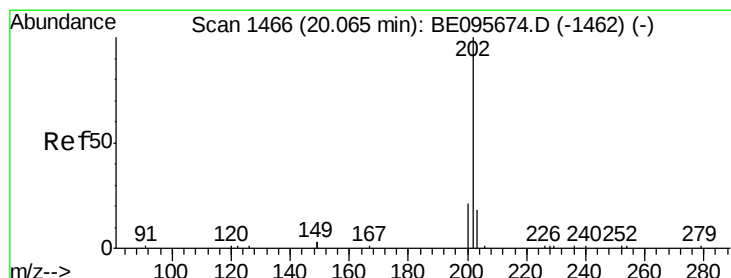
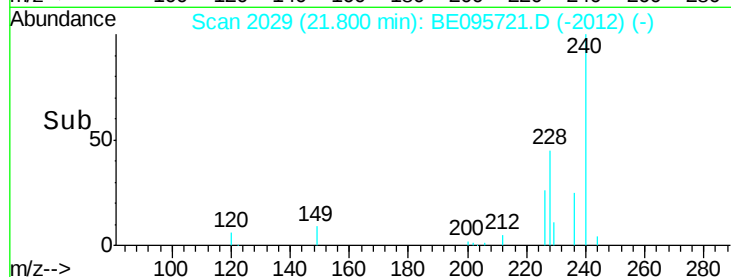
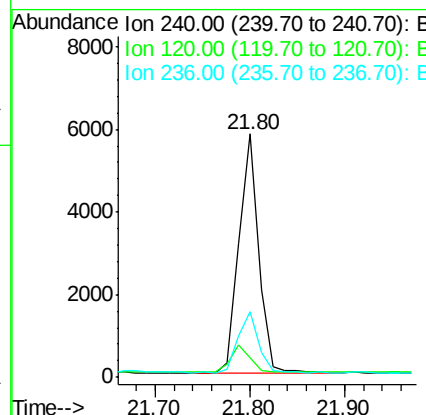
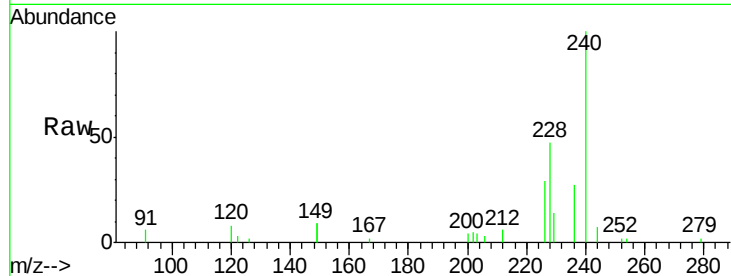
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.5	8.3
236	26.9	20.7	31.1

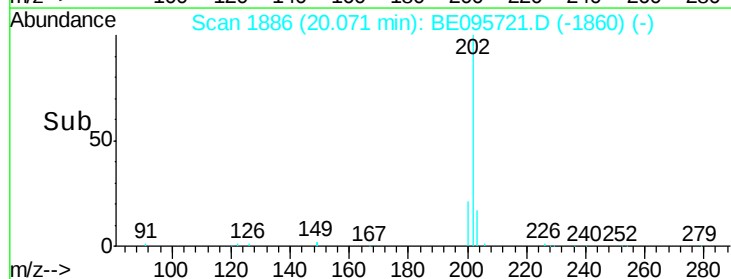
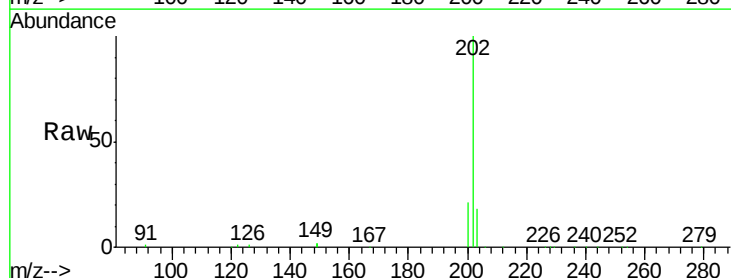
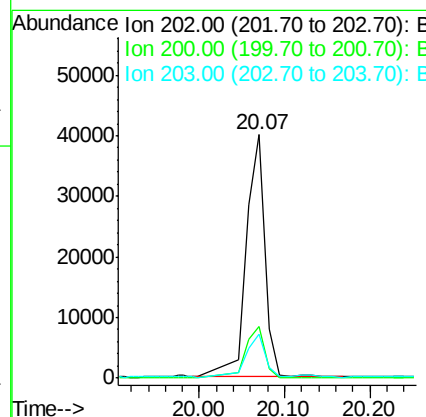
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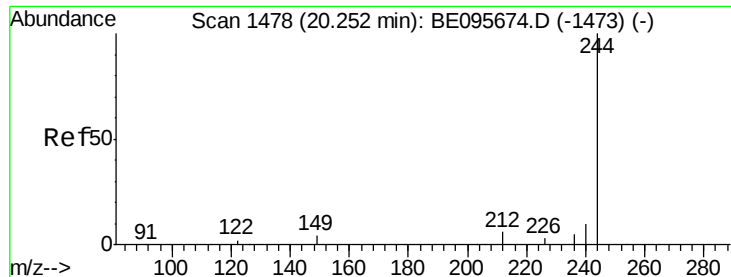
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#28
Pyrene
Concen: 2.048 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.6	25.0
203	19.6	13.8	20.8





#29

Terphenyl-d14

Concen: 0.191 ng

RT: 20.25 min Scan# 1901

Delta R.T. 0.00 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

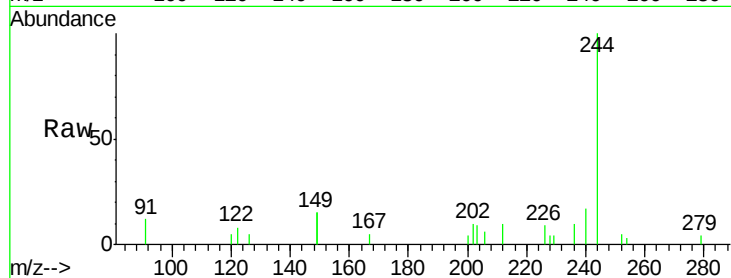
ClientSampleId :

T-10_030518

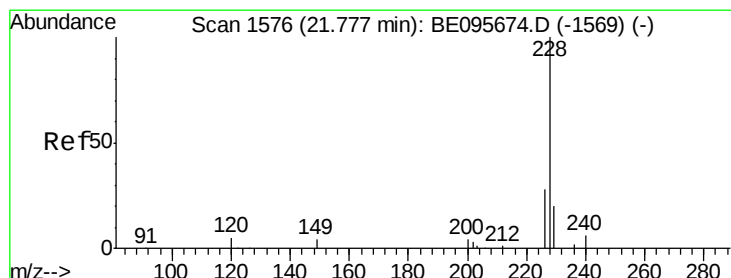
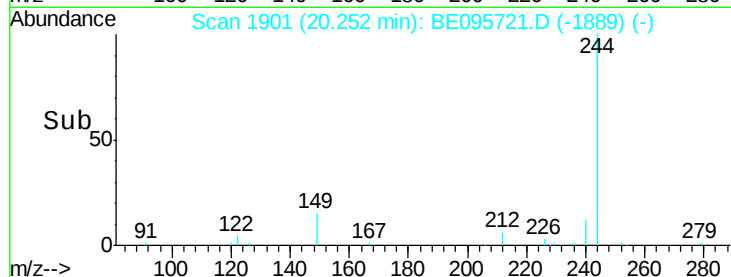
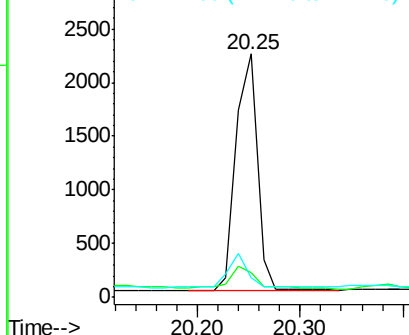
Tot Ion:	244	Resp:	3194
Ion Ratio	Lower	Upper	
244	100		
212	10.1	25.4	38.0#
122	7.8	8.1	12.1#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 1.036 ng

RT: 21.78 min Scan# 2027

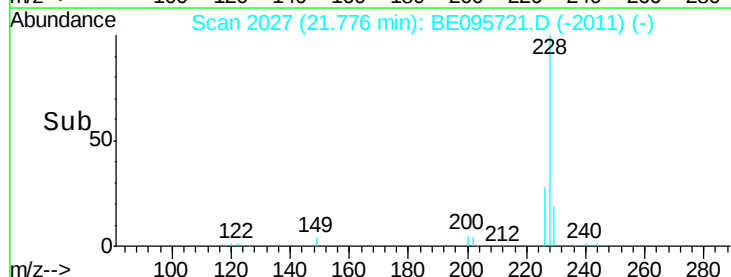
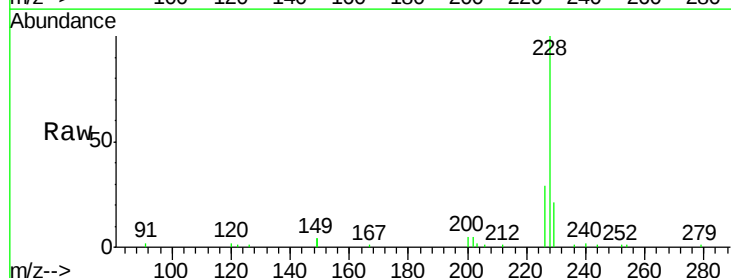
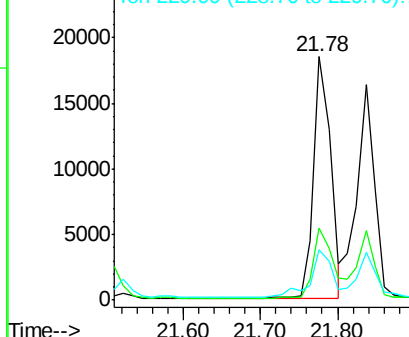
Delta R.T. -0.00 min

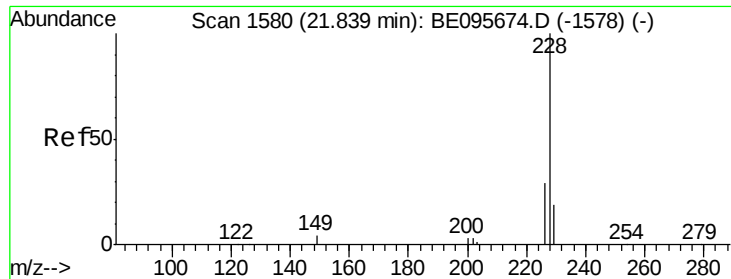
Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Tgt Ion:	228	Resp:	28284
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.0	36.0
229	20.9	16.0	24.0

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





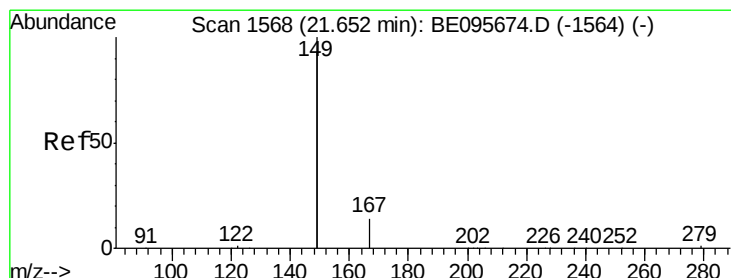
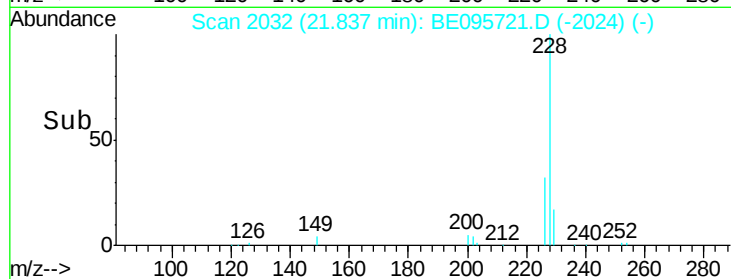
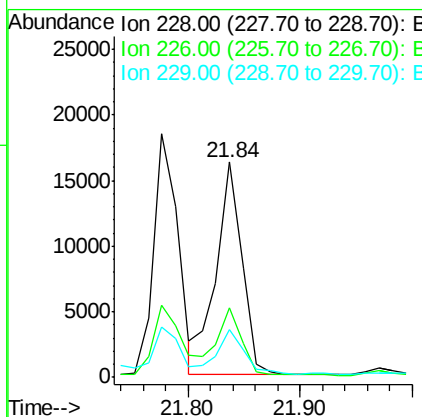
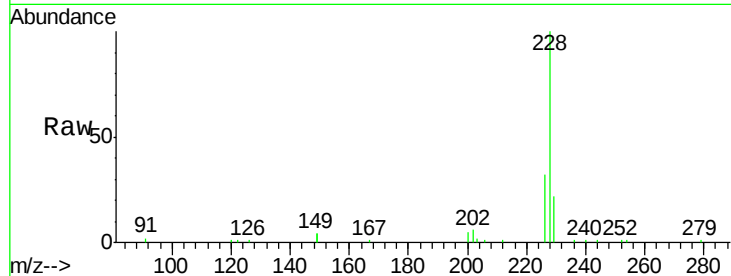
#31
Chrysene
Concen: 0.964 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.0	36.0
229	22.2	16.0	24.0

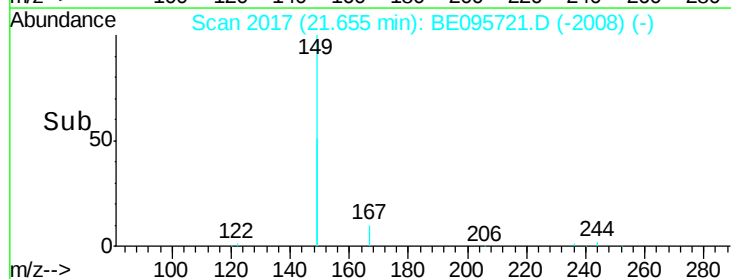
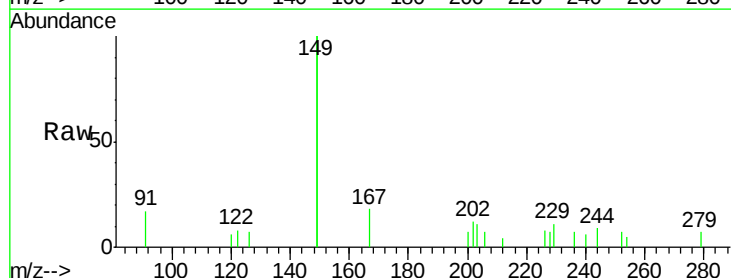
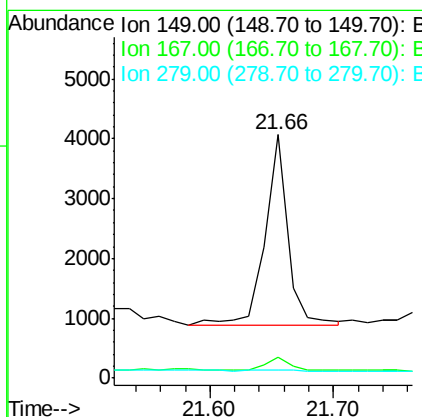
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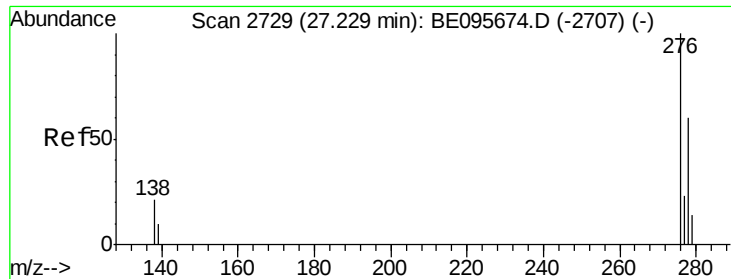
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.085 ng
RT: 21.66 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.3	5.4	8.0#
279	3.1	0.7	1.1#





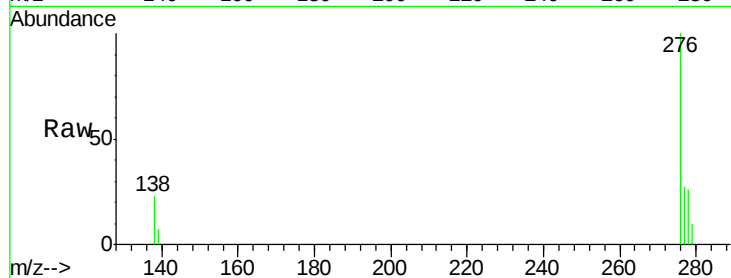
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 27.23 min Scan# 3501
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

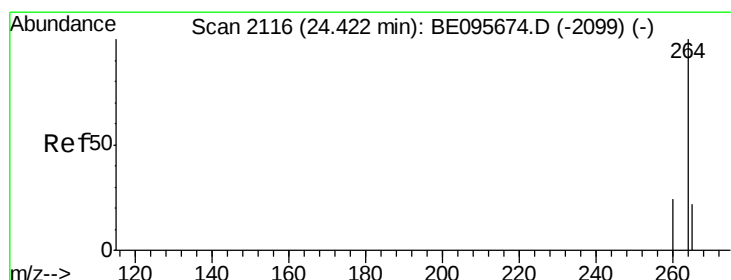
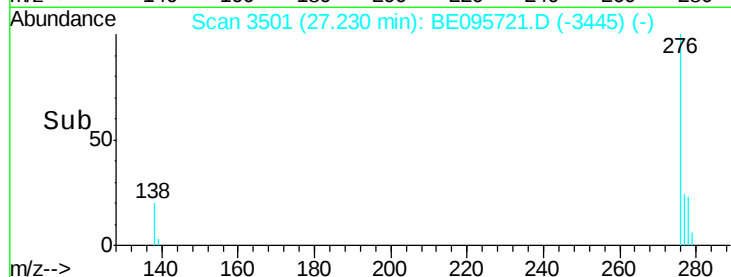
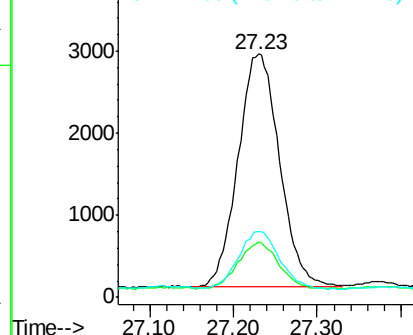
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	22.5	33.7#
277	24.6	19.9	29.9

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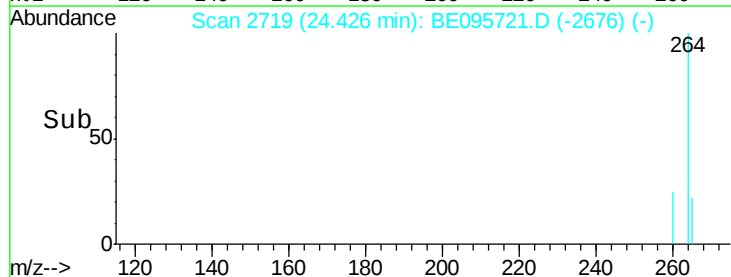
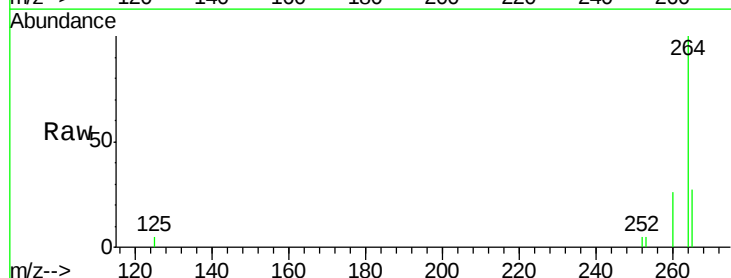
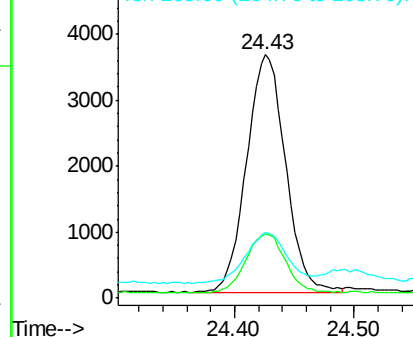
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

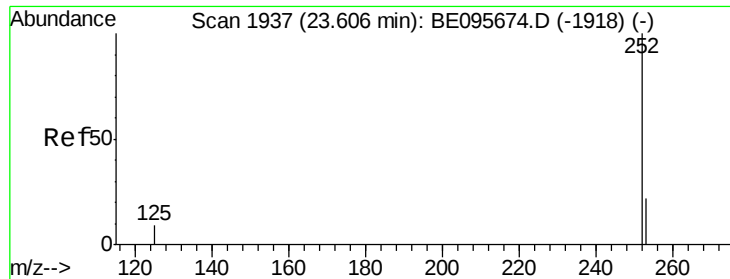


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	27.2	22.8	34.2

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





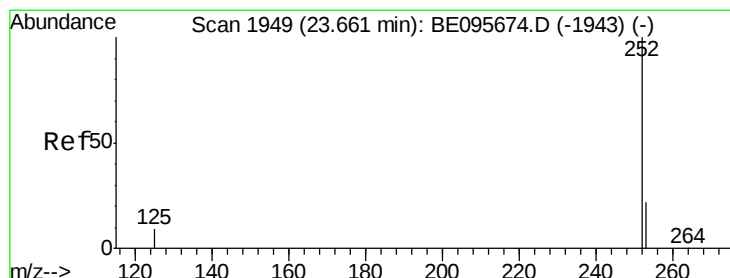
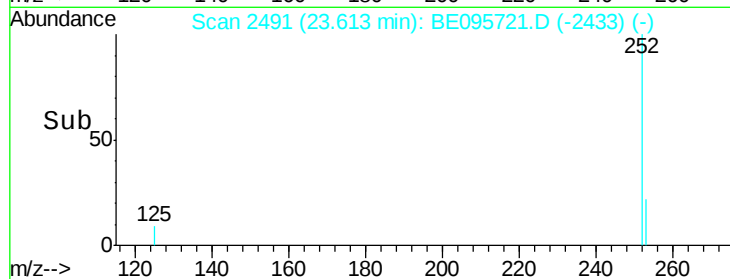
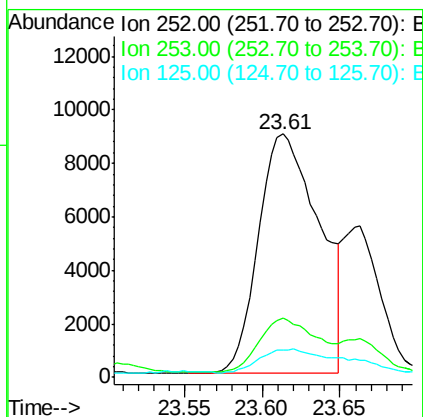
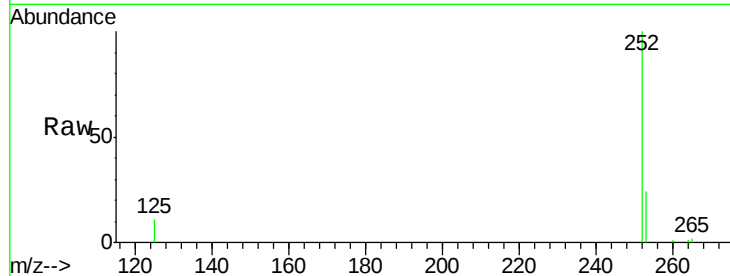
#35
Benzo(b)fluoranthene
Concen: 0.842 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampleId :
T-10_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.0	30.0
125	11.1	16.0	24.0

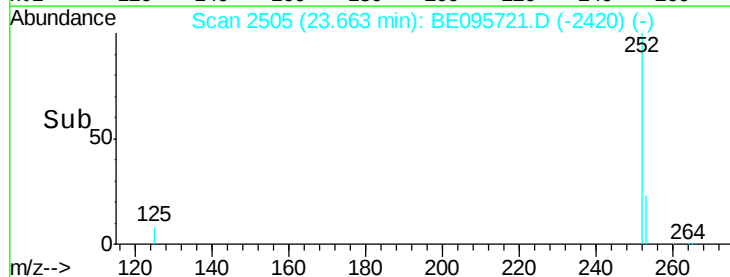
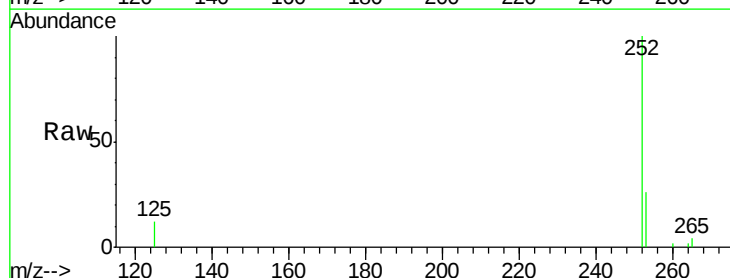
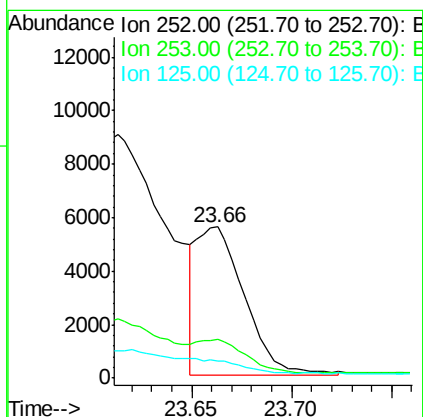
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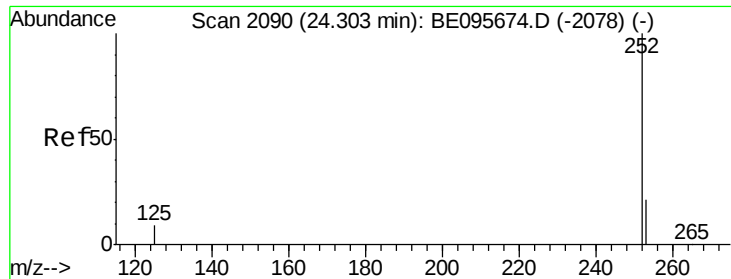
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.322 ng m
RT: 23.66 min Scan# 2505
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	16.0	24.0
125	11.5	8.0	12.0





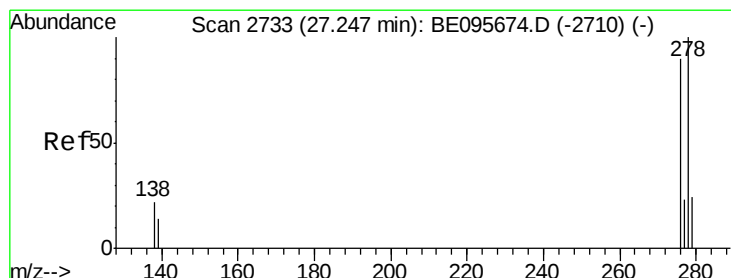
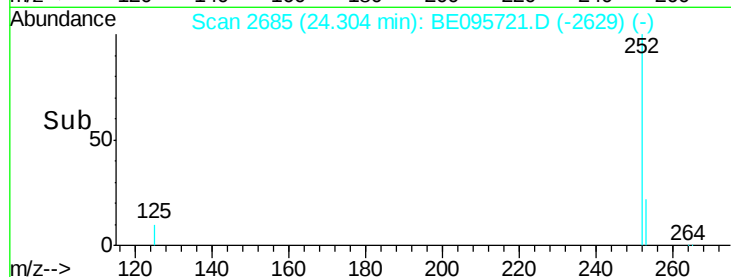
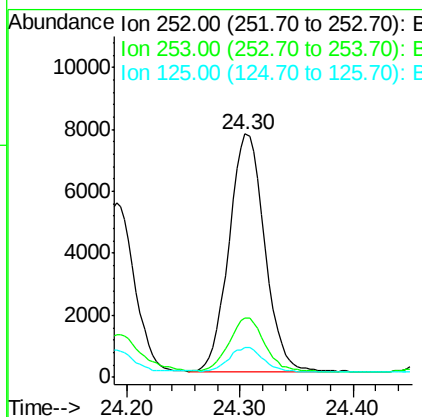
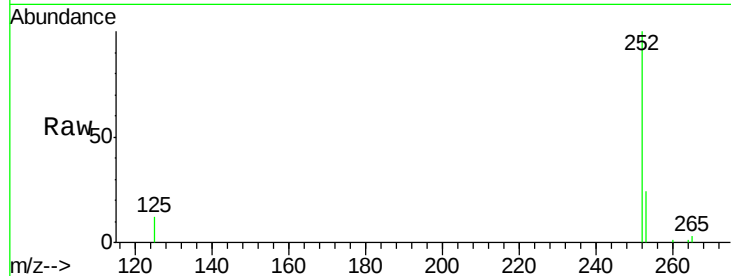
#37
Benzo(a)pyrene
Concen: 0.645 ng
RT: 24.30 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Instrument :
BNA_E
ClientSampled :
T-10_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.0	24.0#
125	12.2	12.0	18.0

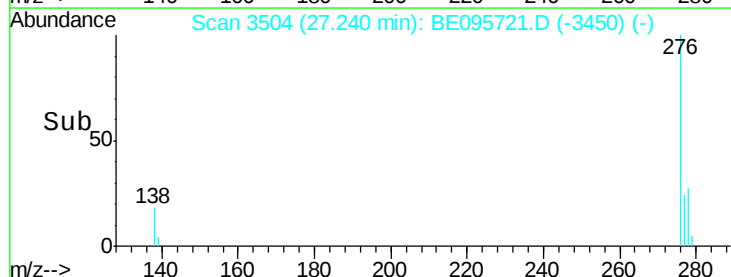
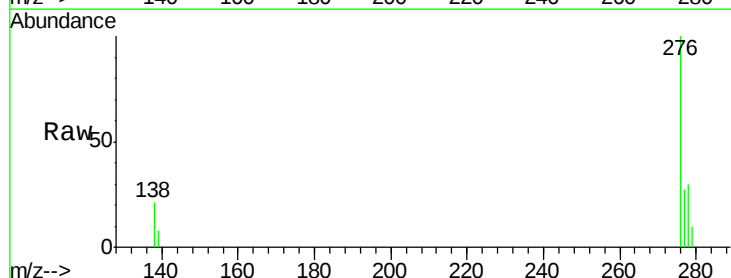
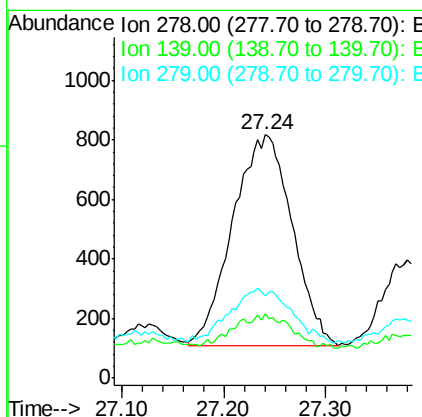
Manual Integrations
APPROVED

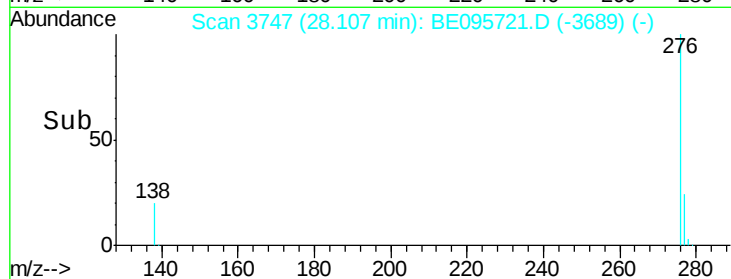
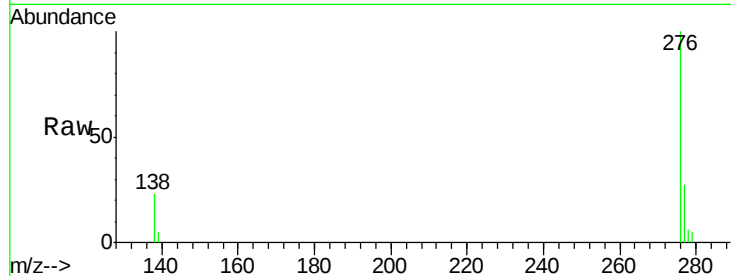
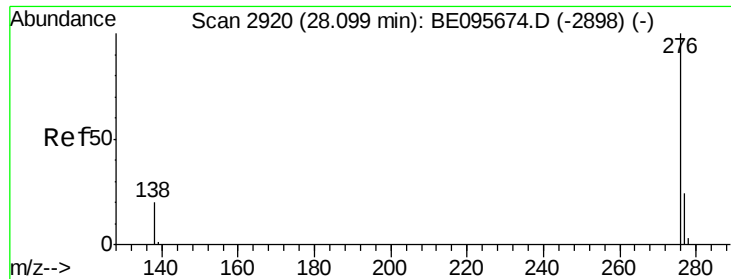
Sohil
3/8/2018 4:46:30 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.124 ng
RT: 27.24 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BE095721.D
Acq: 7 Mar 2018 13:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	16.0	24.0#
279	33.7	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.366 ng

RT: 28.11 min Scan# 3747

Delta R.T. 0.01 min

Lab File: BE095721.D

Acq: 7 Mar 2018 13:30

Instrument :

BNA_E

ClientSampleId :

T-10_030518

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	16.0	24.0
138	22.9	20.0	30.0

Manual Integrations
APPROVED

Sohil
3/8/2018 4:46:30 PM

