

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095709.D
 Acq On : 6 Mar 2018 22:10
 Operator : SJ/JU
 Sample : J1811-05 20X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-5_030518

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 02:04:05 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	1454	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5795	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3335	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7734	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7987	0.40	ng	0.01
34) Perylene-d12	24.43	264	7247	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	79	0.01	ng	0.01
8) Nitrobenzene-d5	9.61	82	98	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.81	152	144	0.01	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	19	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	197	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	1146	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	222	0.01	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	11.31	128	1618	0.024	ng	# 88
12) 2-Methylnaphthalene	12.88	142	395	0.034	ng	# 93
16) Acenaphthylene	14.74	152	626	0.033	ng	# 93
17) Acenaphthene	15.07	154	736	0.063	ng	# 90
18) Fluorene	16.03	166	794	0.054	ng	# 74
23) Phenanthrene	17.75	178	25893	1.071	ng	98
24) Anthracene	17.84	178	5013	0.226	ng	97
26) Fluoranthene	19.72	202	43018	1.446	ng	# 97
28) Pyrene	20.06	202	47989	1.469	ng	96
30) Benzo(a)anthracene	21.78	228	19877	0.763	ng	96
31) Chrysene	21.84	228	17558	0.678	ng	97
32) Bis(2-ethylhexyl)phthalate	21.66	149	964	0.021	ng	# 97
33) Indeno(1,2,3-cd)pyrene	27.23	276	8749	0.348	ng	# 90
35) Benzo(b)fluoranthene	23.61	252	20643	0.800	ng	# 89
36) Benzo(k)fluoranthene	23.66	252	6747m	0.263	ng	
37) Benzo(a)pyrene	24.30	252	14341	0.616	ng	# 92
38) Dibenzo(a,h)anthracene	27.23	278	2246	0.108	ng	# 86
39) Benzo(a,h,i)perylene	28.10	276	8874	0.400	ng	# 90

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

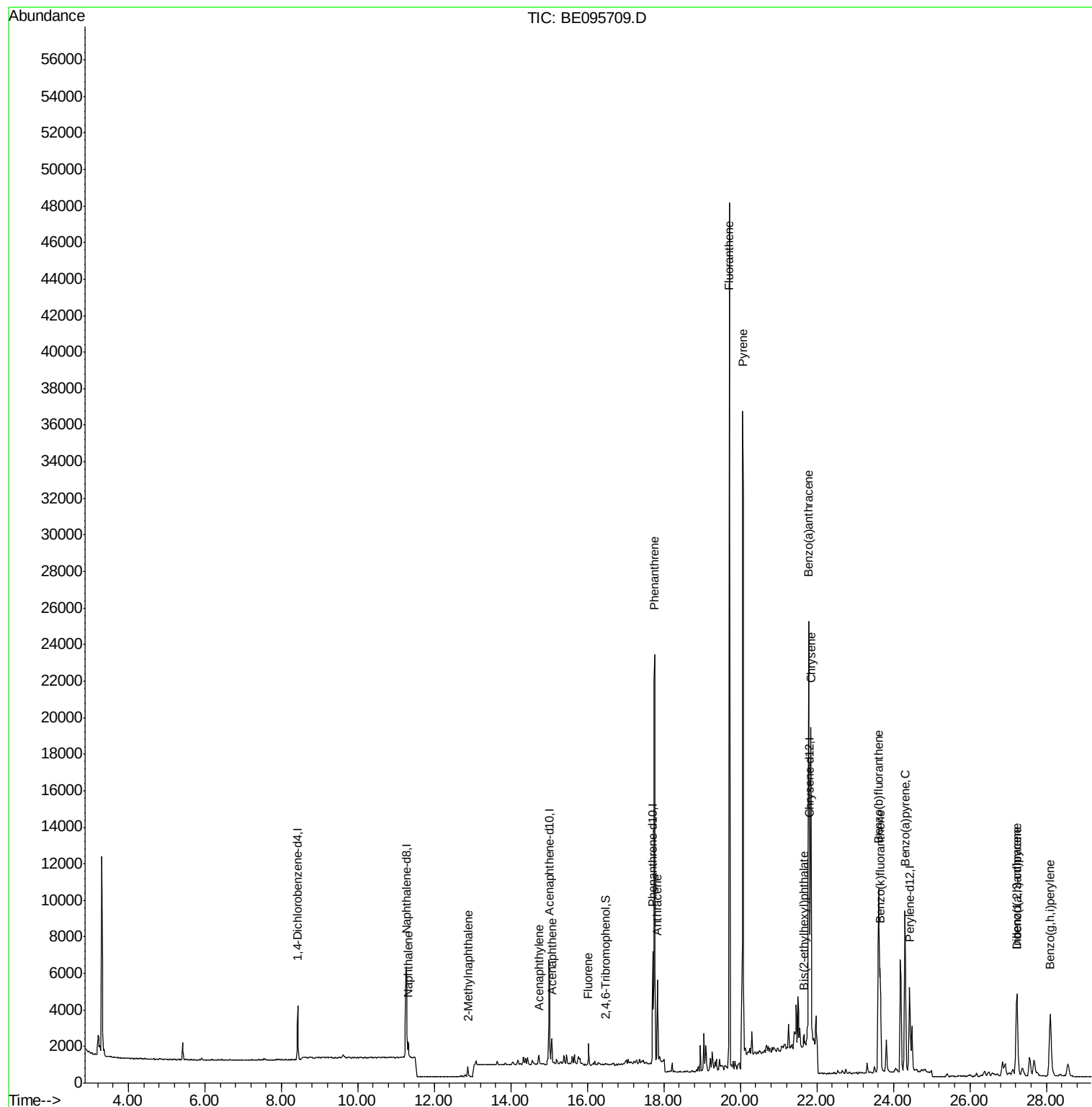
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095709.D
Acq On : 6 Mar 2018 22:10
Operator : SJ/JU
Sample : J1811-05 20X
Misc :
ALS Vial : 11 Sample Multiplier: 1

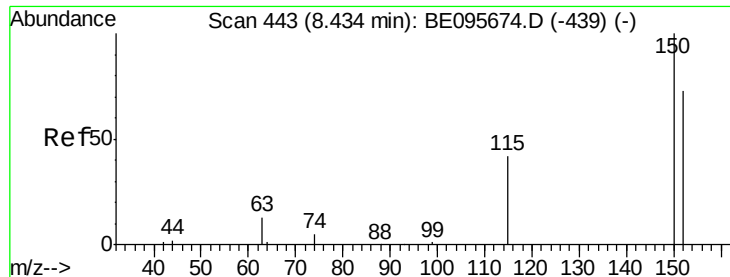
Instrument :
BNA_E
ClientSampleId :
T-5_030518

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

Quant Time: Mar 07 02:04:05 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
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#1

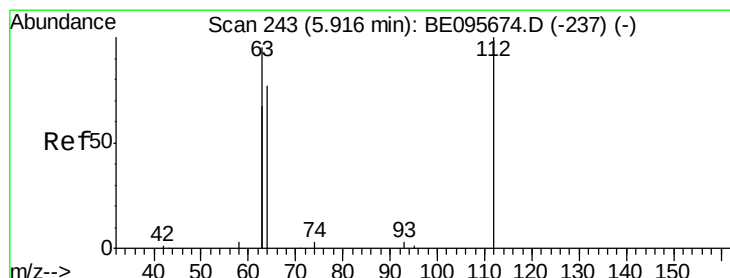
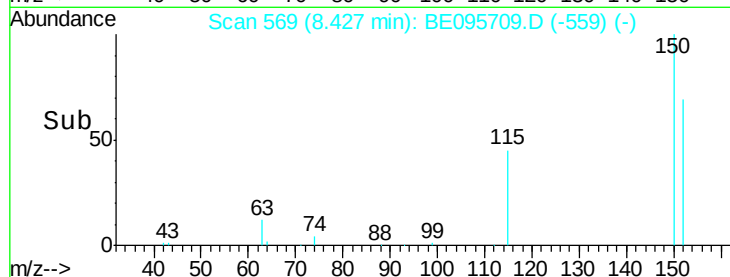
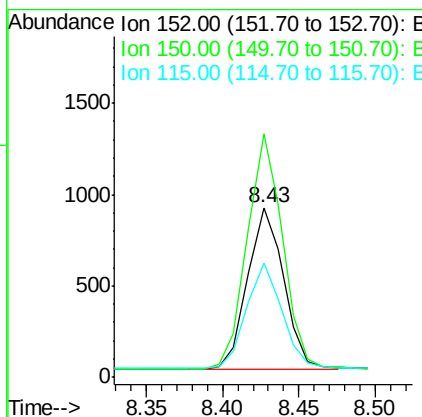
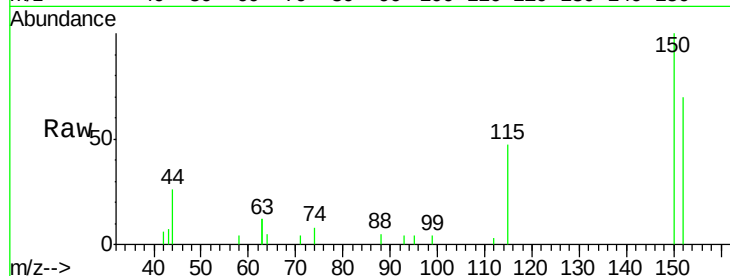
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampleId :
T-5_030518

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.2	117.2	175.8
115	67.5	57.0	85.6

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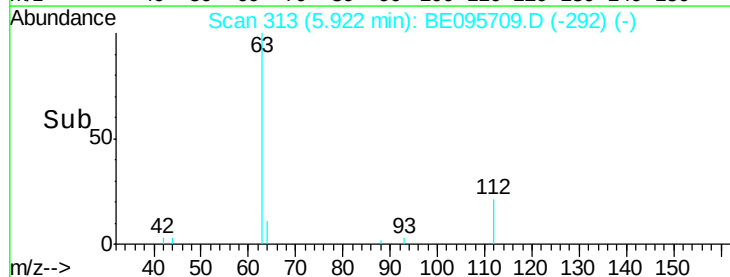
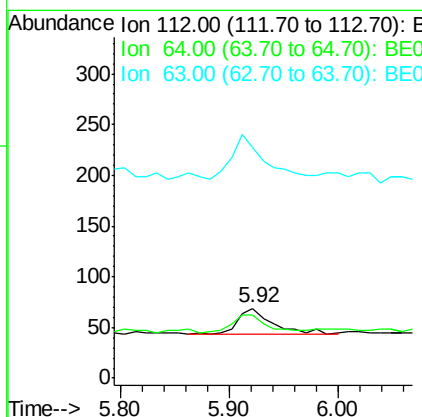
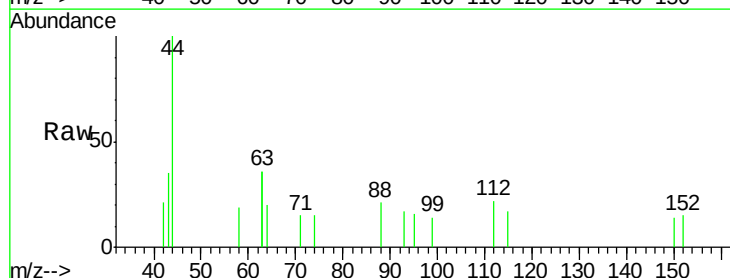
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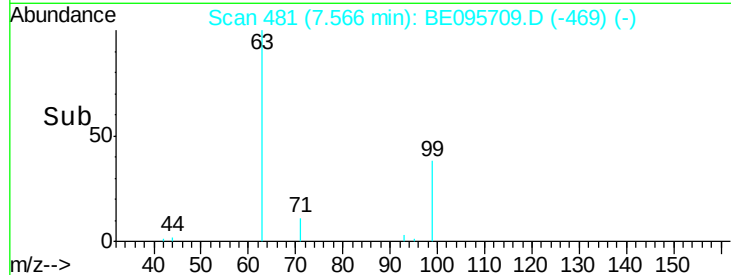
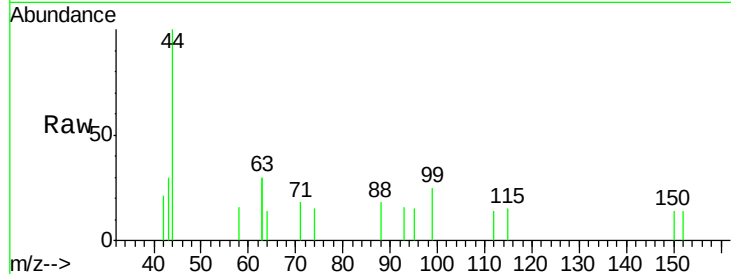
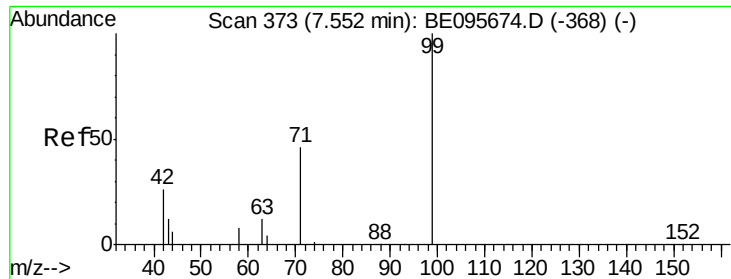


#4

2-Fluorophenol
Concen: 0.014 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.1	60.1	90.1
63	176.9	116.8	175.2





#5

Phenol-d6

Concen: 0.015 ng

RT: 7.57 min Scan# 481

Delta R.T. 0.01 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Tot Ion	Ion	Ratio	Lower	Upper	Resp
99	100				79
42	27.8	20.2	30.2		
71	55.7	28.4	42.6		

Instrument :

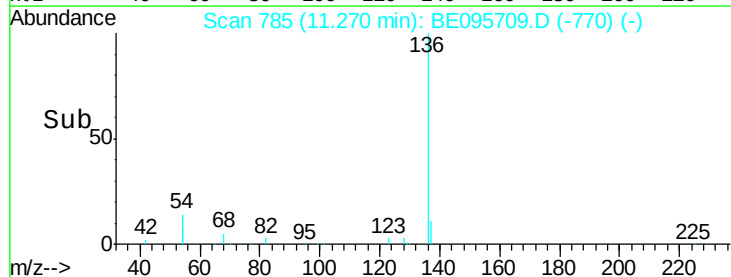
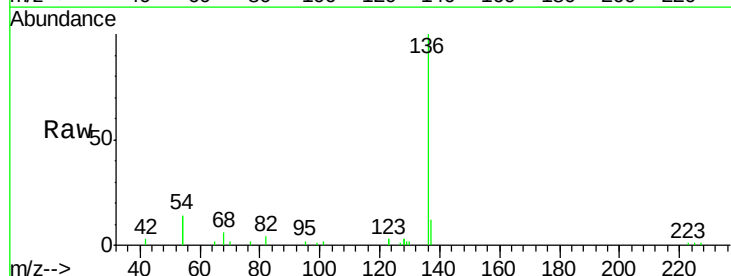
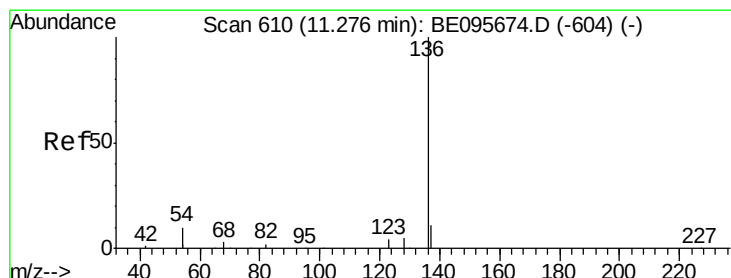
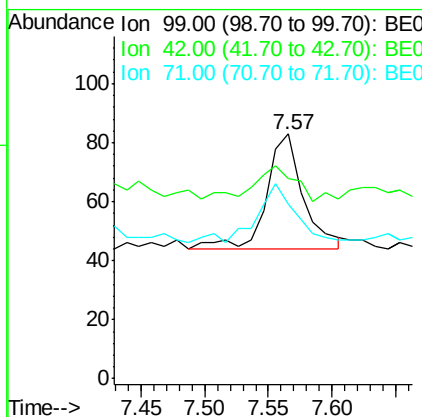
BNA_E

ClientSampled :

T-5_030518

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

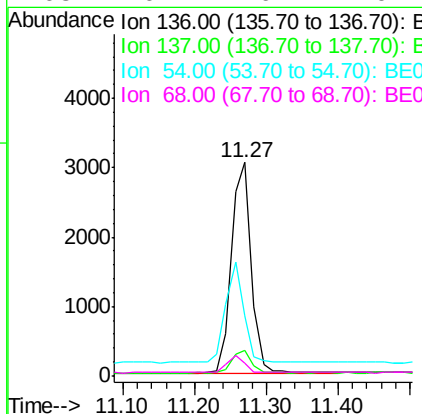
RT: 11.27 min Scan# 785

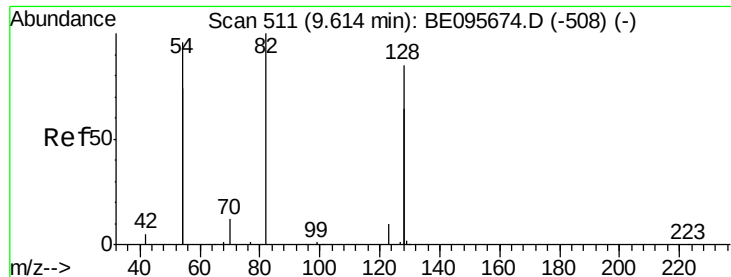
Delta R.T. -0.01 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Tgt Ion	Ion	Ratio	Lower	Upper	Resp
136	100				5795
137	12.1	9.5	14.3		
54	28.0	29.1	43.7		
68	6.1	6.2	9.2		





#8

Nitrobenzene-d5

Concen: 0.016 ng

RT: 9.61 min Scan# 657

Delta R.T. -0.01 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Instrument :

BNA_E

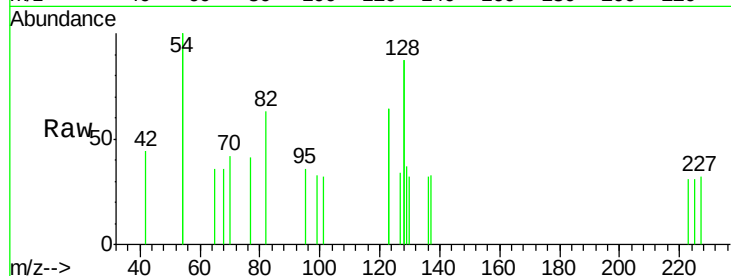
ClientSampleId :

T-5_030518

Tot Ion:	82	Resp:	98
Ion	Ratio	Lower	Upper
82	100		
128	278.2	150.0	225.0#
54	319.5	154.2	231.4#

Manual Integrations
APPROVED

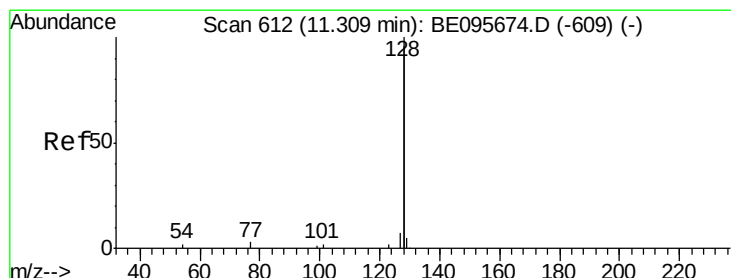
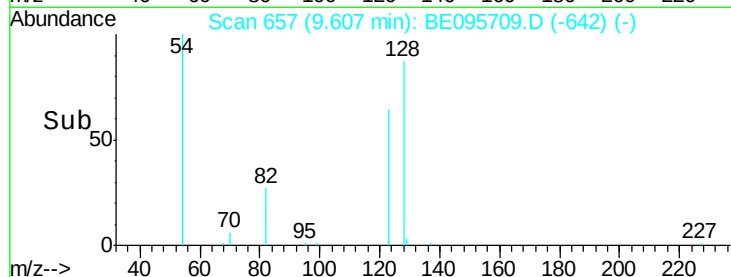
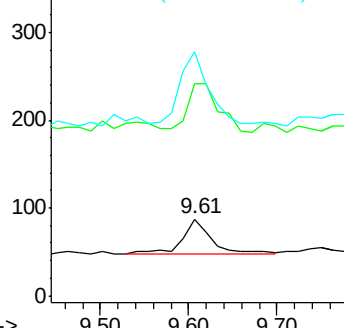
Sohil
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Abundance Ion 82.00 (81.70 to 82.70): BE095674.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BE095674.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BE095674.D (-508) (-)



#9

Naphthalene

Concen: 0.024 ng

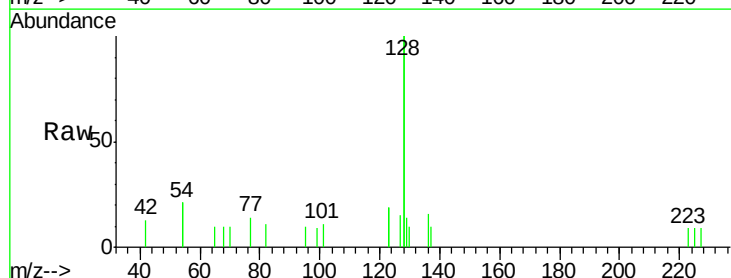
RT: 11.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

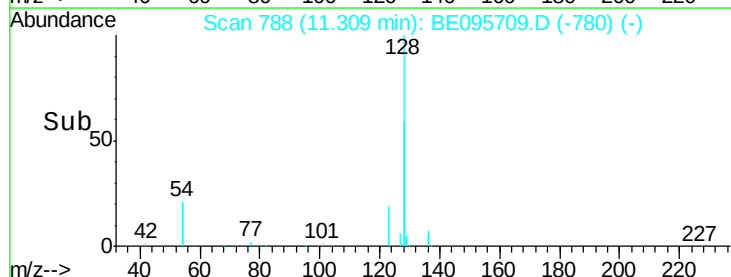
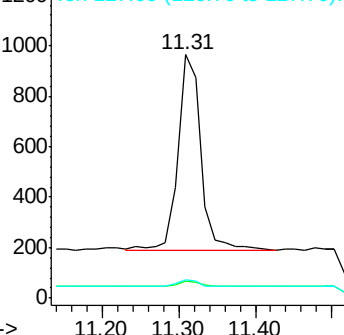
Tgt Ion:	128	Resp:	1618
Ion	Ratio	Lower	Upper
128	100		
129	7.1	2.6	3.8#
127	7.6	2.8	4.2#

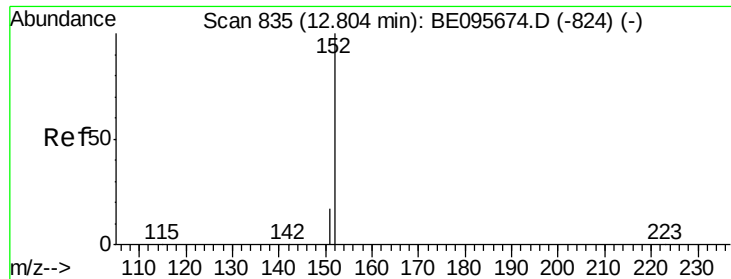


Abundance Ion 128.00 (127.70 to 128.70): BE095674.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE095674.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE095674.D (-609) (-)





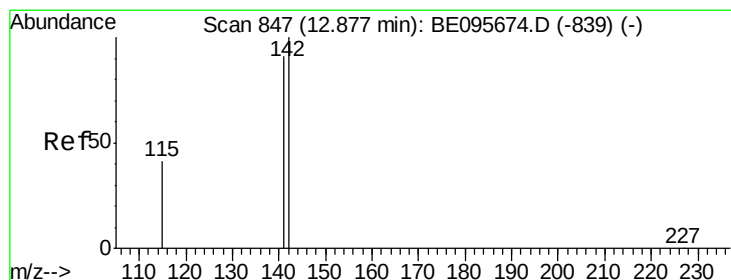
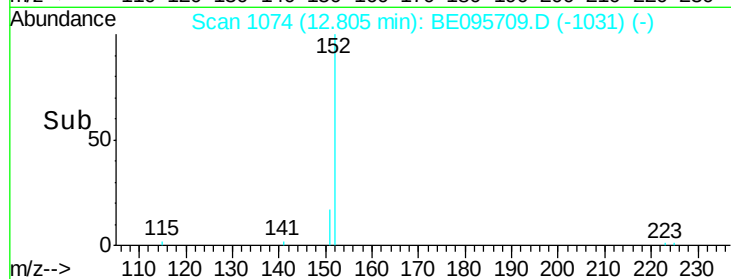
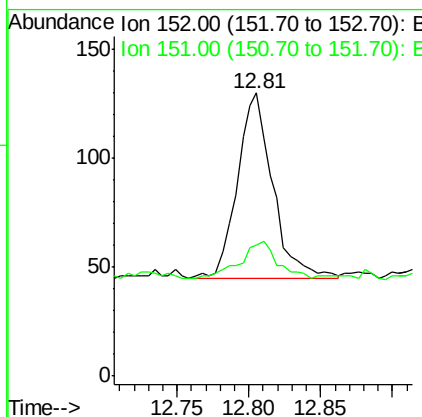
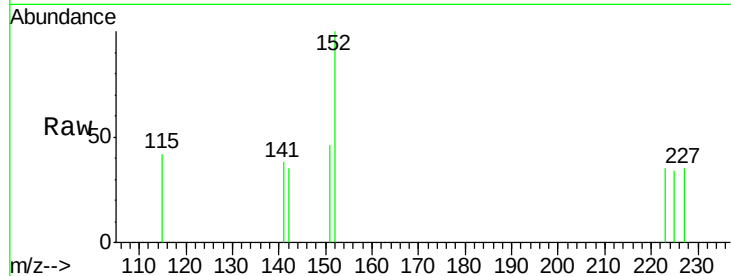
#11
2-Methylnaphthalene-d10
Concen: 0.015 ng
RT: 12.81 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampled :
T-5_030518

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.0

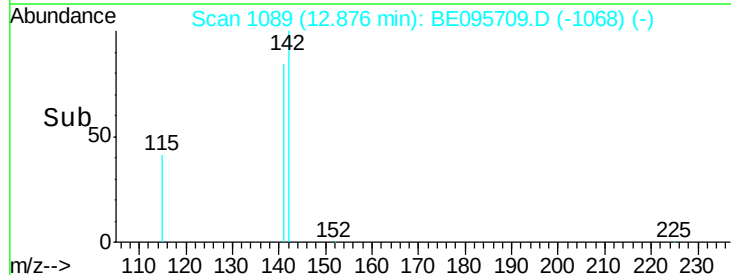
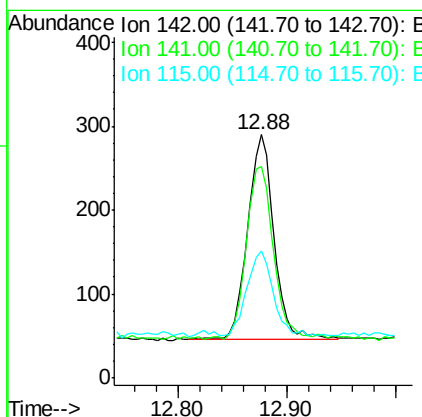
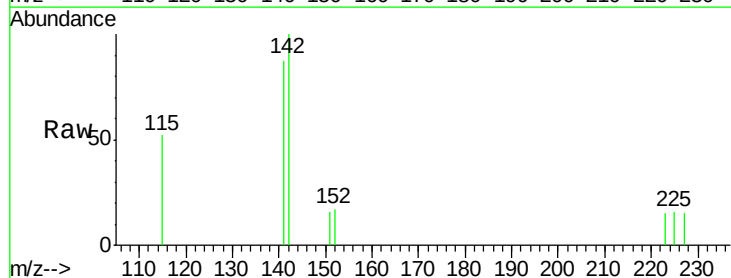
Manual Integrations
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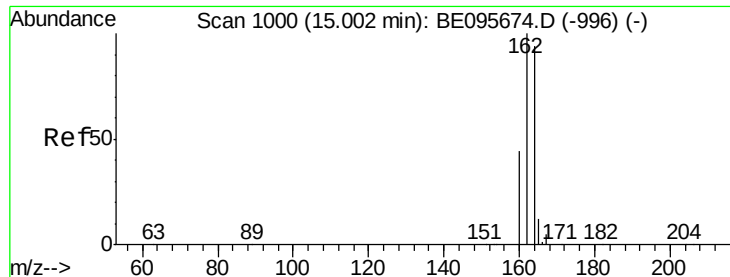
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#12
2-Methylnaphthalene
Concen: 0.034 ng
RT: 12.88 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	52.4	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: BE095709.D

Acq: 6 Mar 2018 22:10

Instrument :

BNA_E

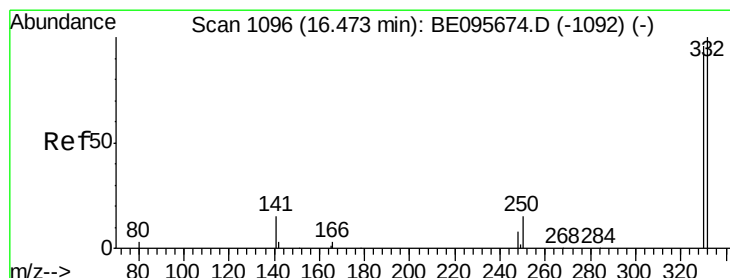
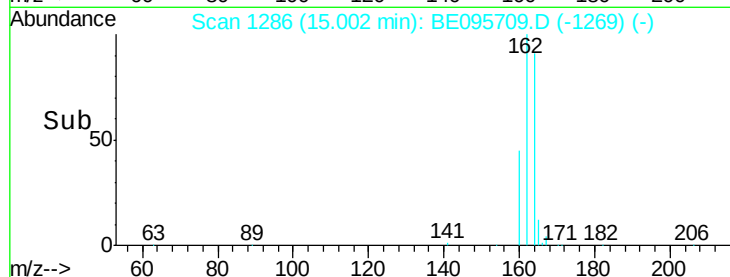
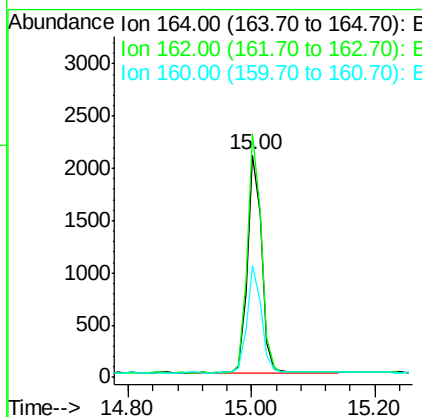
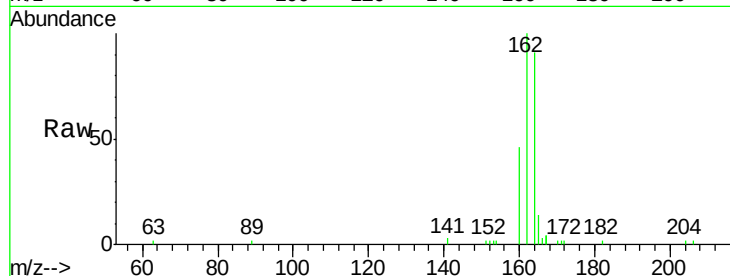
ClientSampleId :

T-5_030518

Tot Ion:	164	Resp:	3335
Ion	Ratio	Lower	Upper
164	100		
162	109.7	83.1	124.7
160	50.2	37.1	55.7

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.127 ng

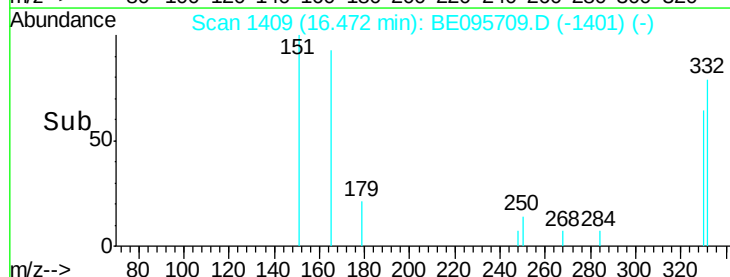
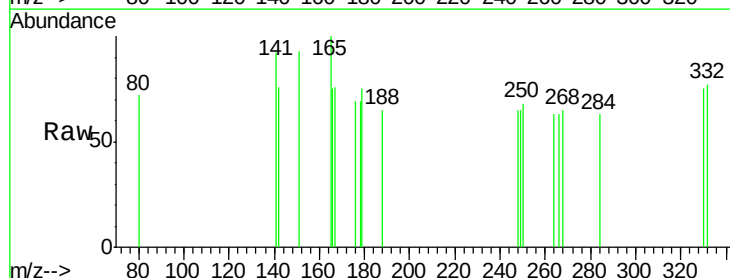
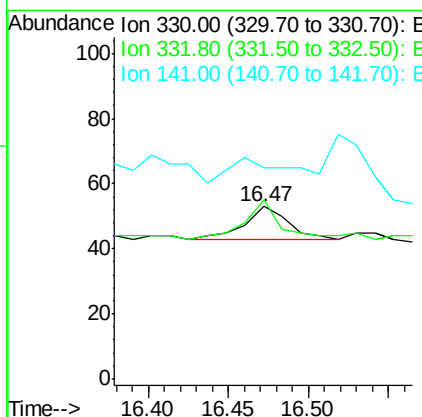
RT: 16.47 min Scan# 1409

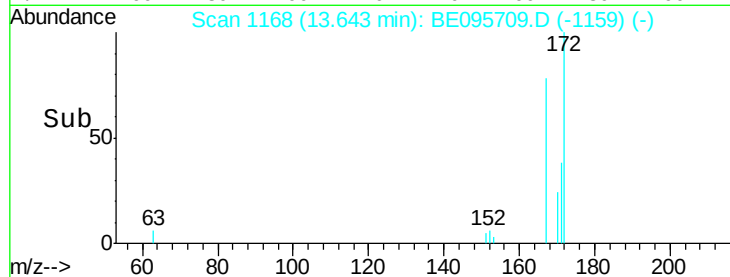
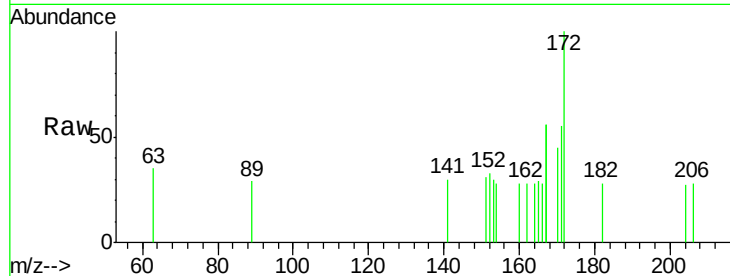
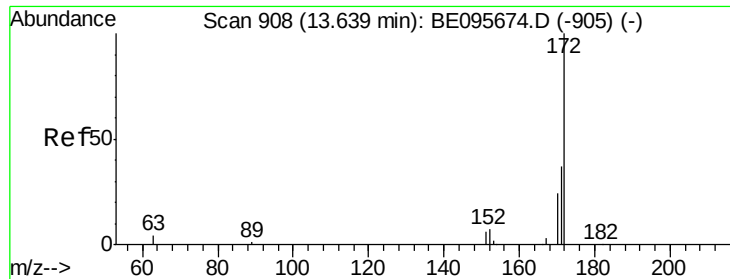
Delta R.T. -0.00 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Tgt Ion:	330	Resp:	19
Ion	Ratio	Lower	Upper
330	100		
332	100.0	152.7	229.1#
141	94.7	33.7	50.5#





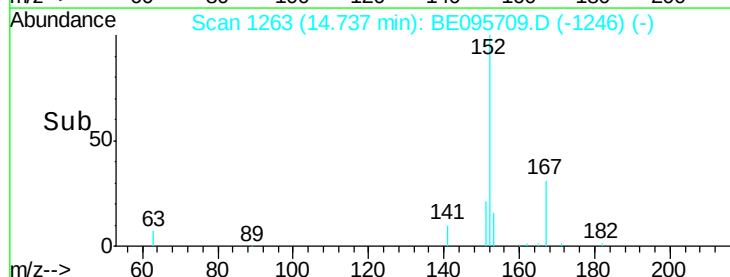
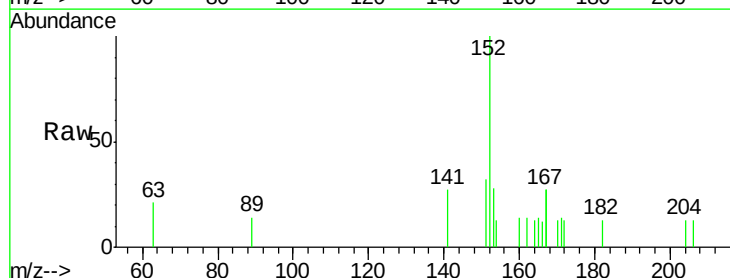
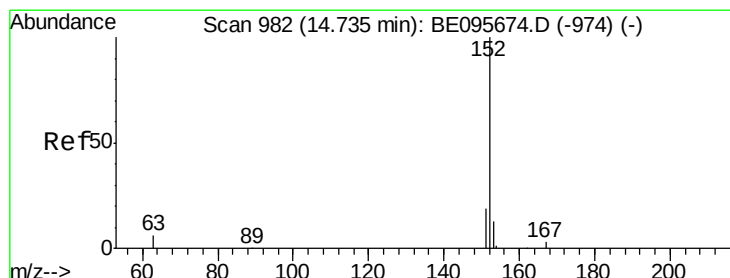
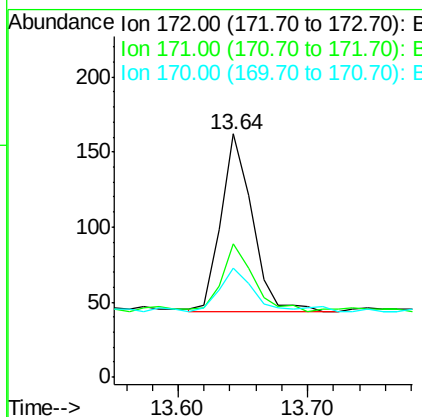
#15
2-Fluorobiphenyl
Concen: 0.013 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampleId :
T-5_030518

Tot Ion	Ratio	Lower	Upper
172	100		
171	54.9	29.9	44.9#
170	45.1	21.8	32.8#

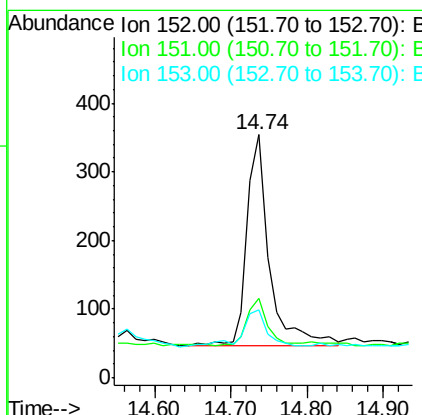
Manual Integrations
APPROVED

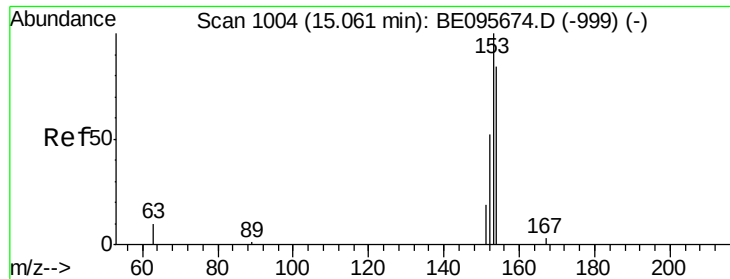
Sohil
3/7/2018 12:20:20 PM



#16
Acenaphthylene
Concen: 0.033 ng
RT: 14.74 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	20.1	10.5	15.7#





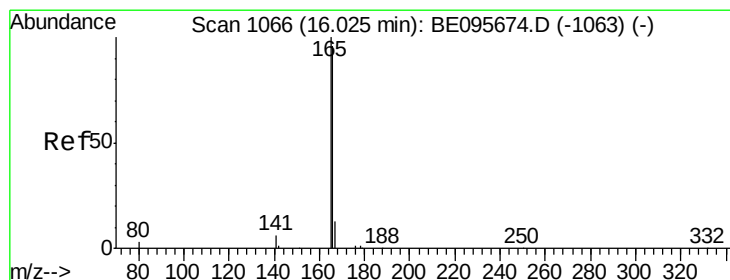
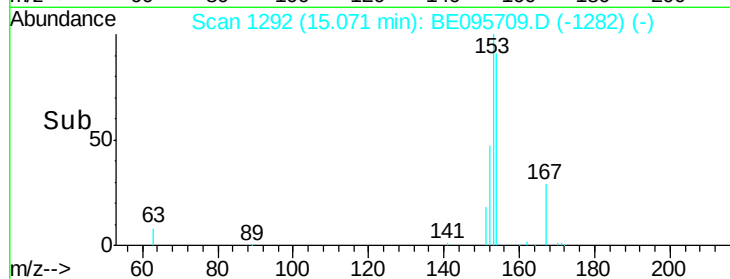
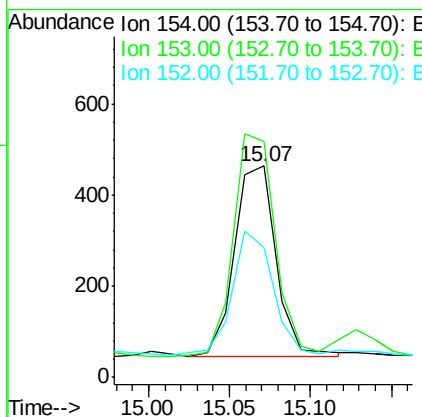
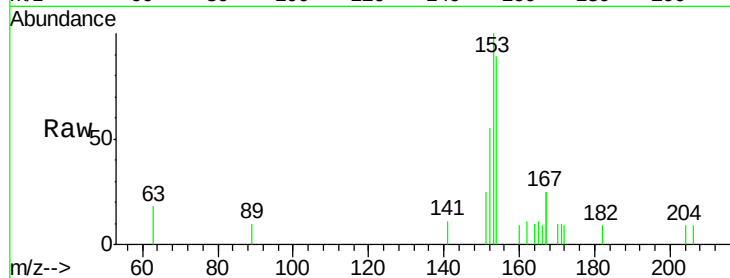
#17
Acenaphthene
Concen: 0.063 ng
RT: 15.07 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampleId :
T-5_030518

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.7	89.2	133.8
152	64.8	42.0	63.0#

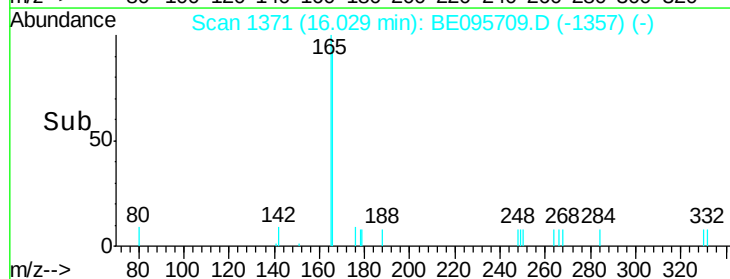
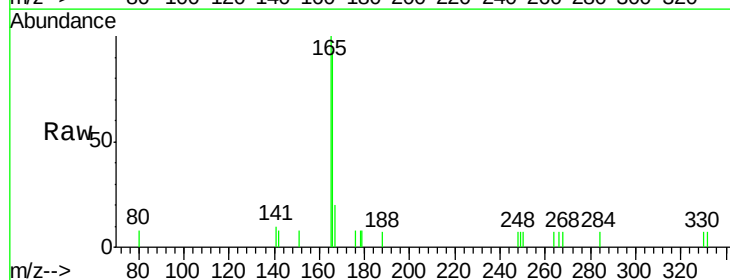
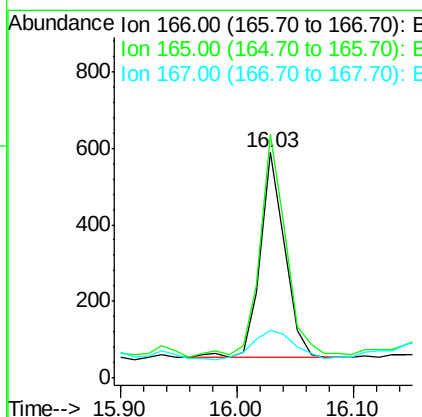
Manual Integrations
APPROVED

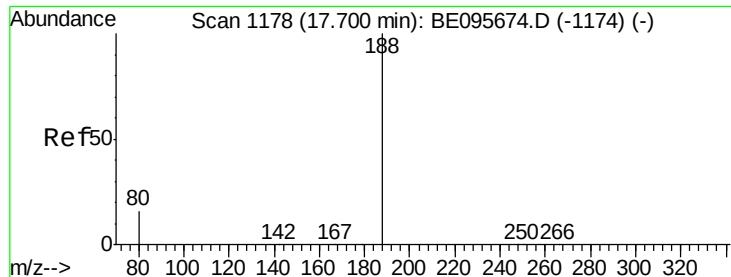
Sohil
3/7/2018 12:20:20 PM



#18
Fluorene
Concen: 0.054 ng
RT: 16.03 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.4	77.8	116.6
167	25.3	42.4	63.6#





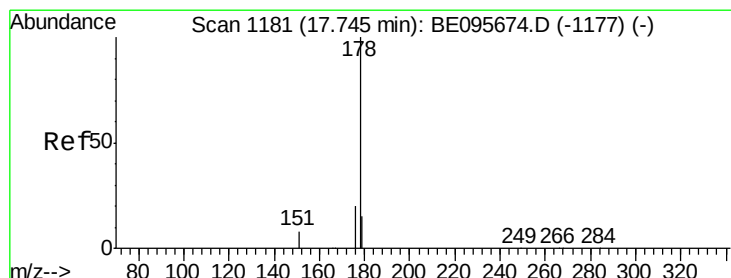
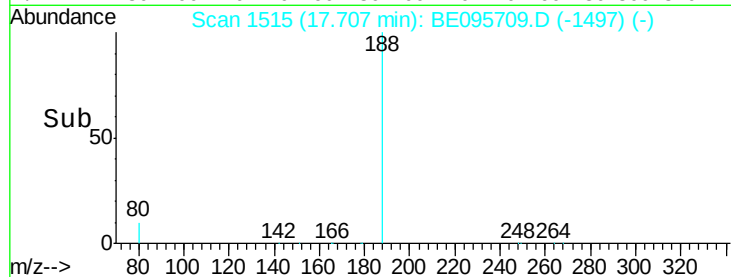
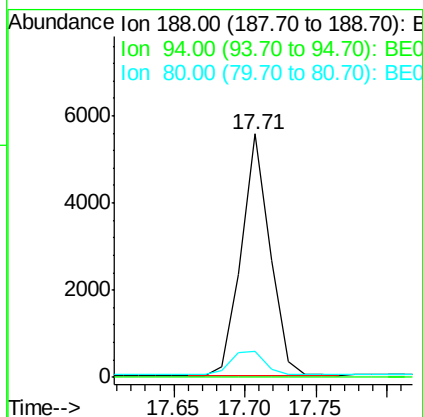
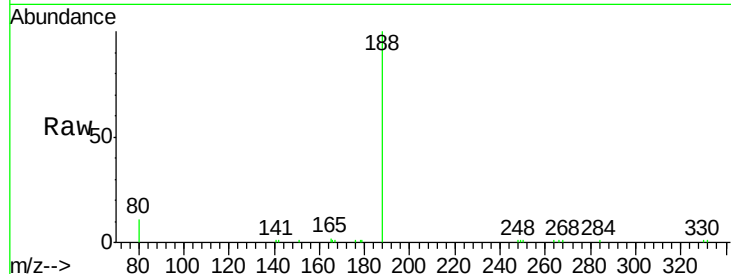
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampleId :
T-5_030518

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.8	3.6	5.4#

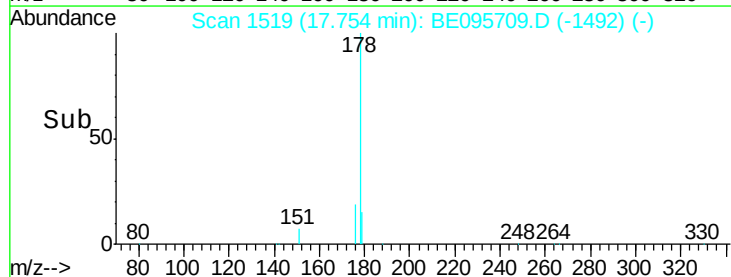
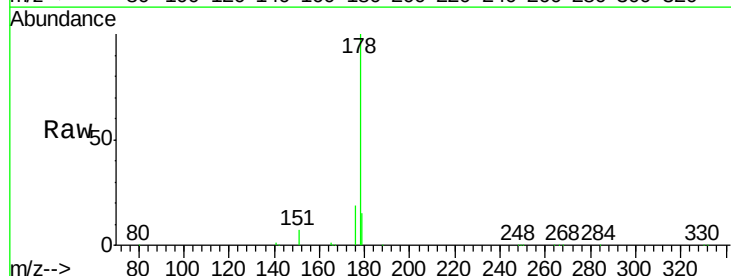
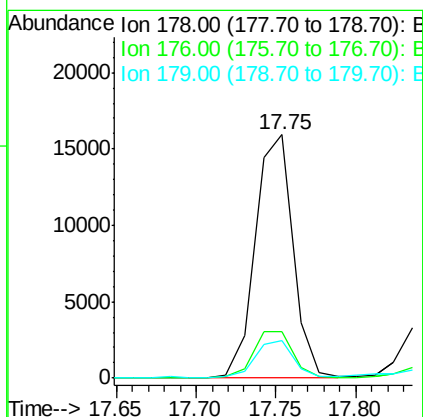
Manual Integrations
APPROVED

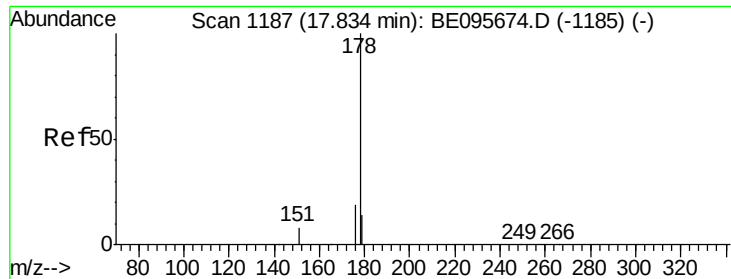
Sohil
3/7/2018 12:20:20 PM



#23
Phenanthrene
Concen: 1.071 ng
RT: 17.75 min Scan# 1519
Delta R.T. 0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	15.2	11.8	17.6





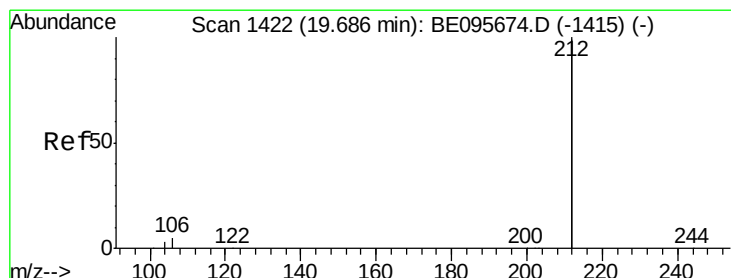
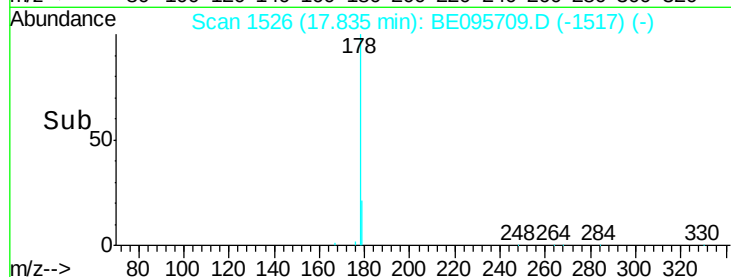
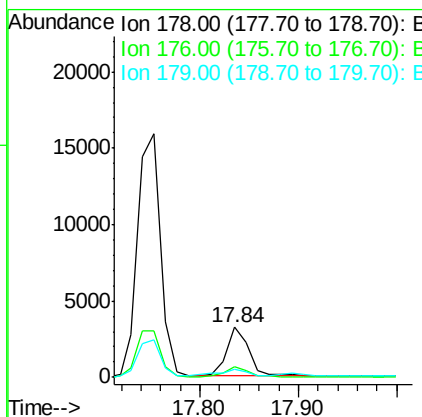
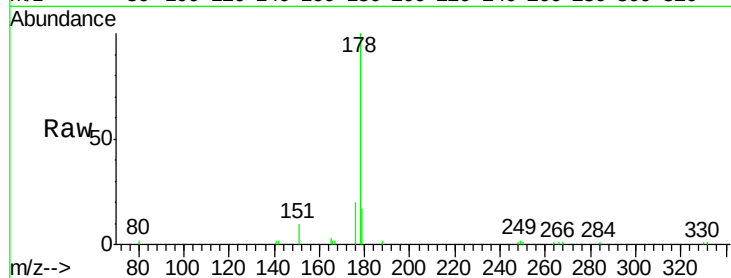
#24
 Anthracene
 Concen: 0.226 ng
 RT: 17.84 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Instrument :
 BNA_E
 ClientSampleId :
 T-5_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	12.8	19.2
179	16.1	13.0	19.6

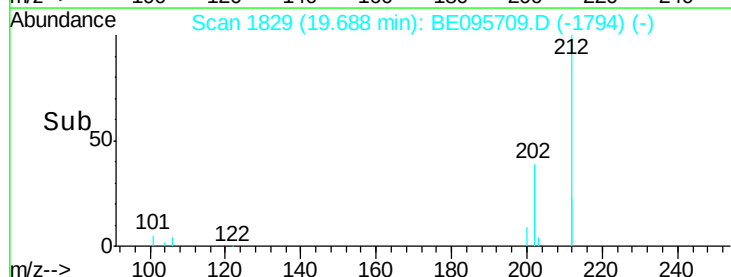
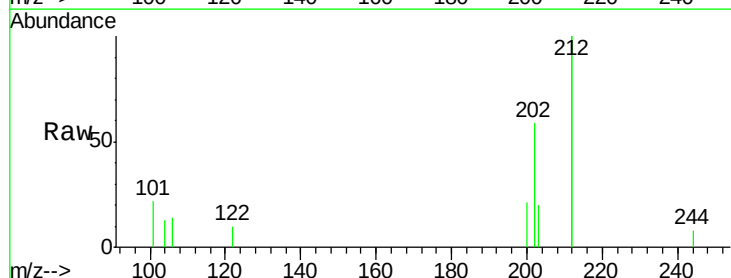
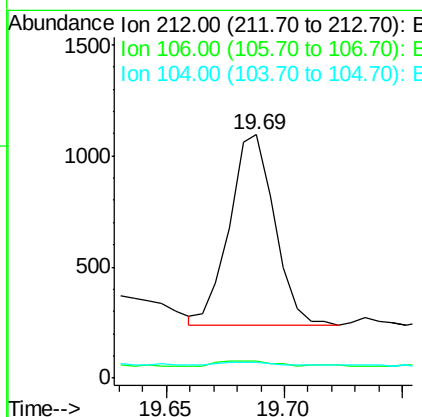
Manual Integrations
 APPROVED

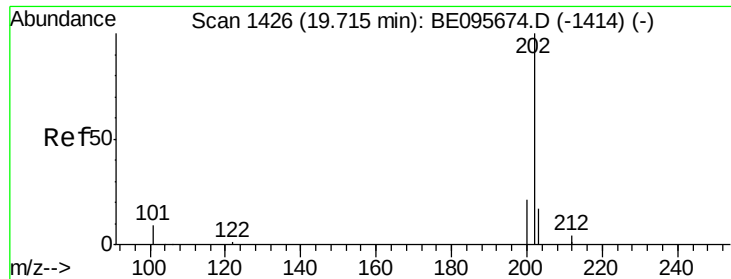
Sohil
 3/7/2018 12:20:20 PM



#25
 Fluoranthene-d10
 Concen: 0.011 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.1	2.8	4.2
104	2.1	1.6	2.4





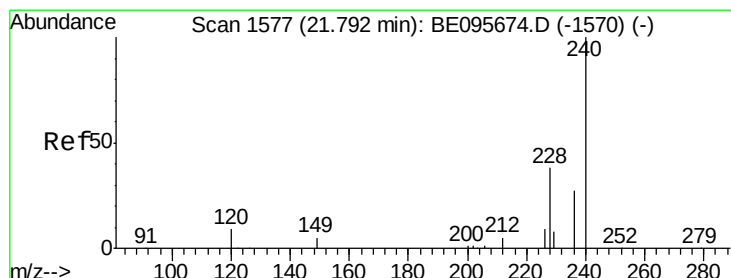
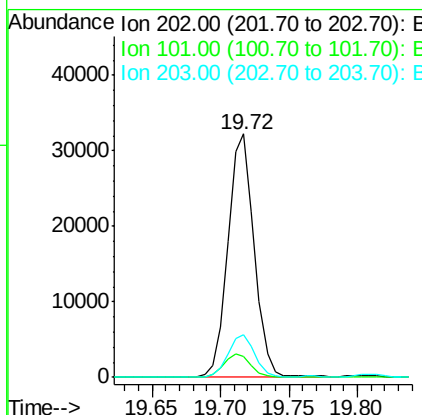
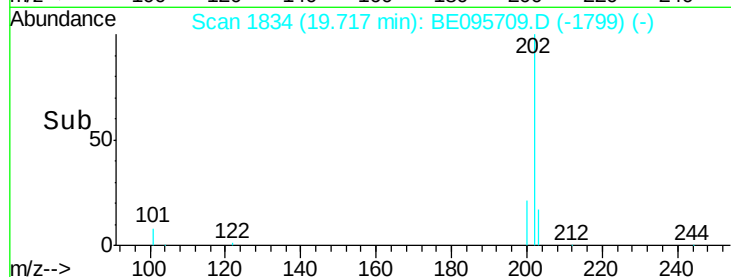
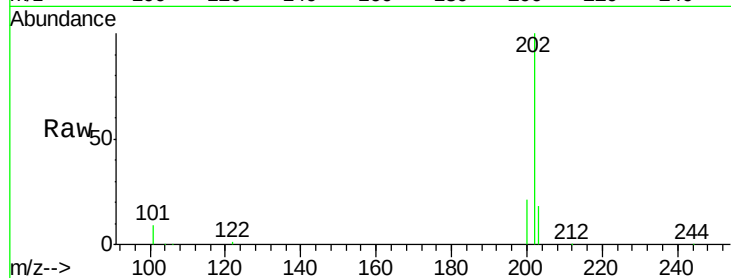
#26
Fluoranthene
Concen: 1.446 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampled :
T-5_030518

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	9.8	14.8#
203	17.3	13.7	20.5

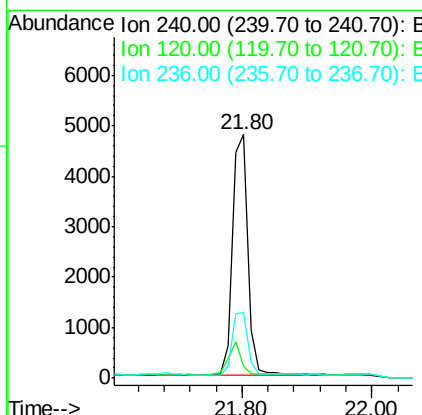
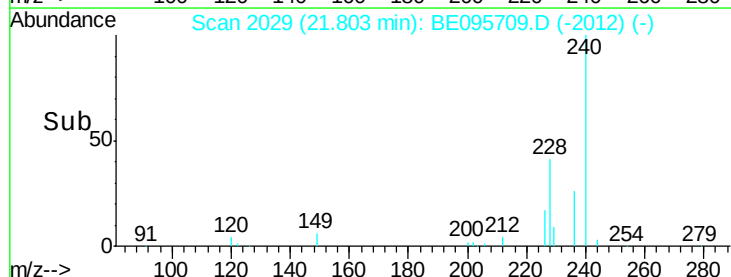
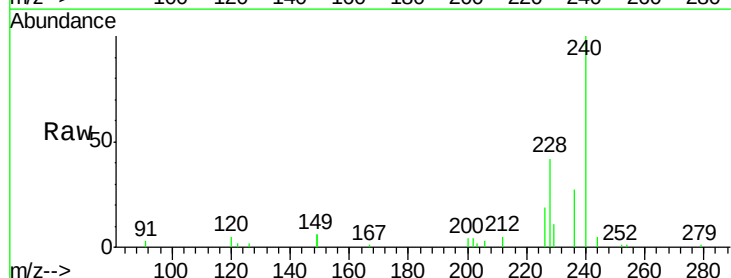
Manual Integrations
APPROVED

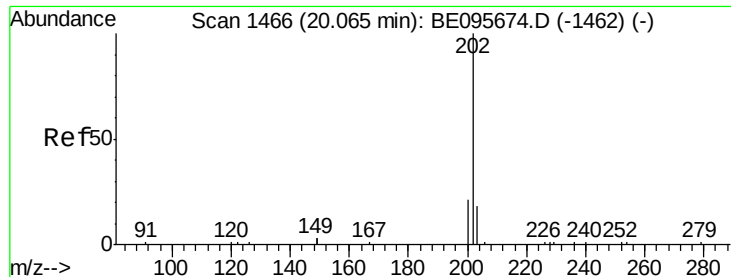
Sohil
3/7/2018 12:20:20 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.1	5.5	8.3#
236	26.8	20.7	31.1





#28

Pvrene

Concen: 1.469 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Instrument :

BNA_E

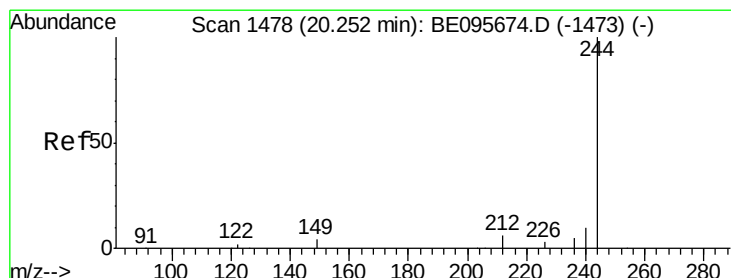
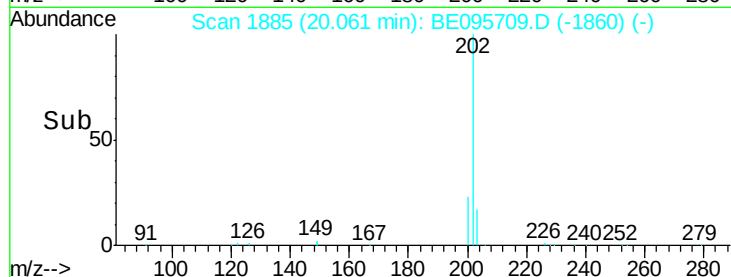
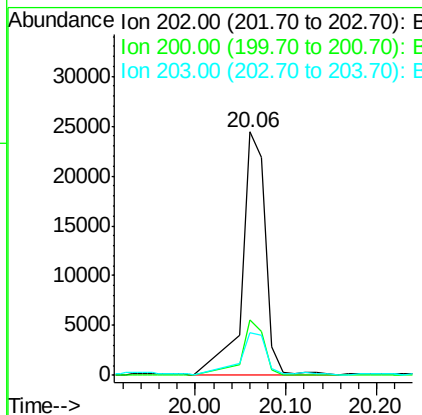
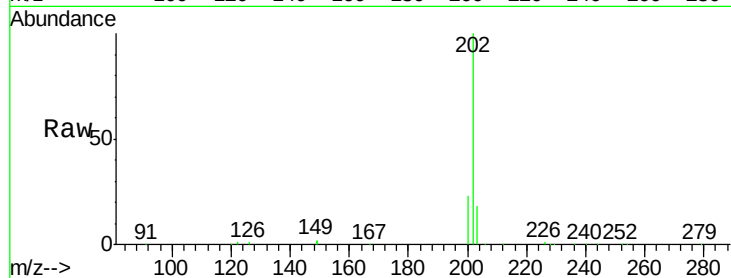
ClientSampleId :

T-5_030518

Tot Ion:	202	Resp:	47989
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.6	25.0
203	20.5	13.8	20.8

Manual Integrations
APPROVED

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3/7/2018 12:20:20 PM



#29

Terphenyl-d14

Concen: 0.014 ng

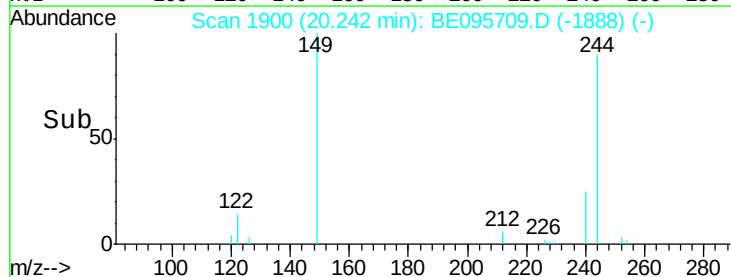
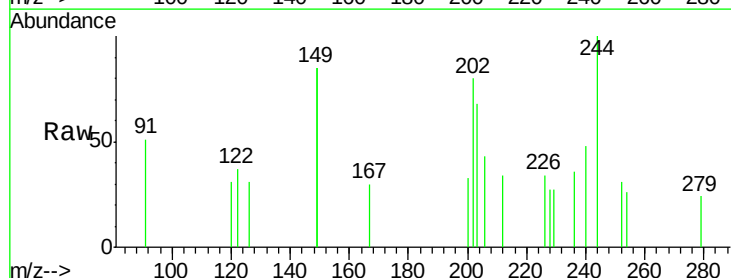
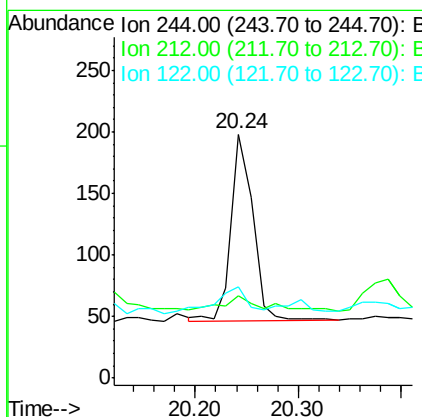
RT: 20.24 min Scan# 1900

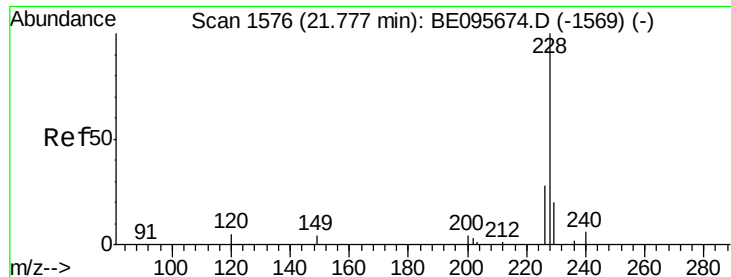
Delta R.T. -0.01 min

Lab File: BE095709.D

Acq: 6 Mar 2018 22:10

Tgt Ion:	244	Resp:	222
Ion Ratio	Lower	Upper	
244	100		
212	33.8	25.4	38.0
122	37.4	8.1	12.1#





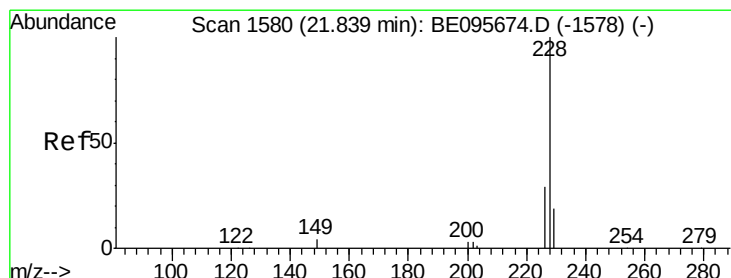
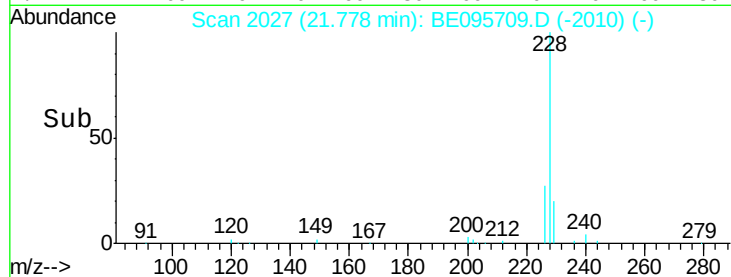
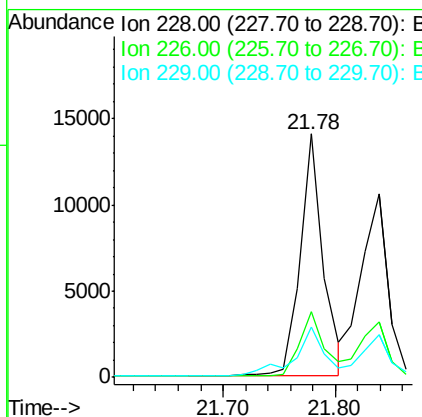
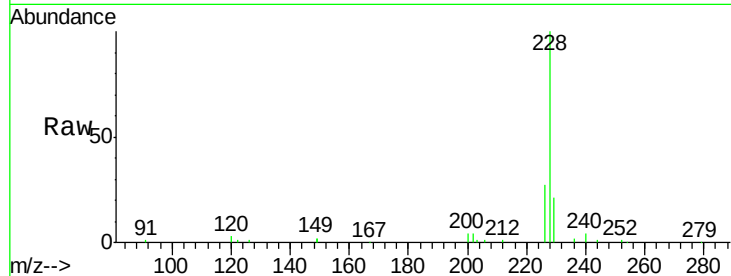
#30
Benzo(a)anthracene
Concen: 0.763 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampleId :
T-5_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	24.0	36.0
229	20.7	16.0	24.0

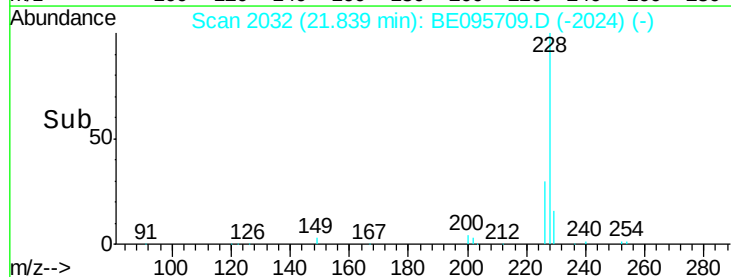
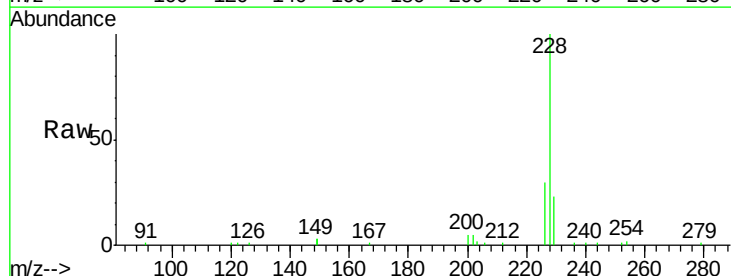
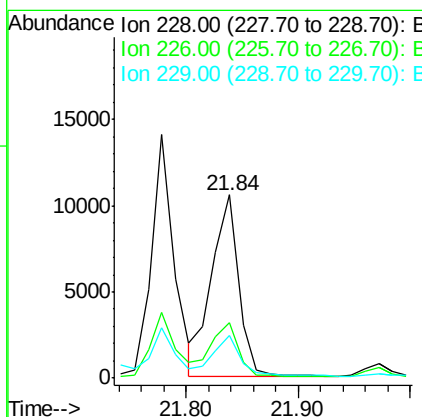
Manual Integrations
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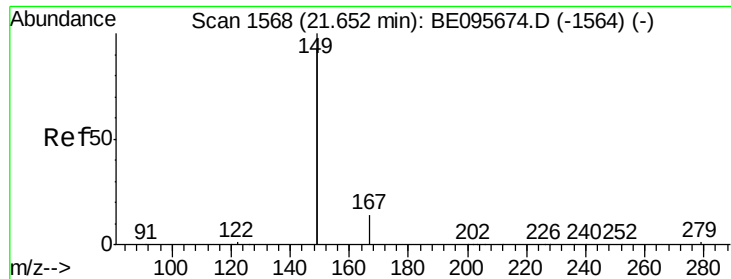
Sohil
3/7/2018 12:20:20 PM



#31
Chrysene
Concen: 0.678 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	23.2	16.0	24.0





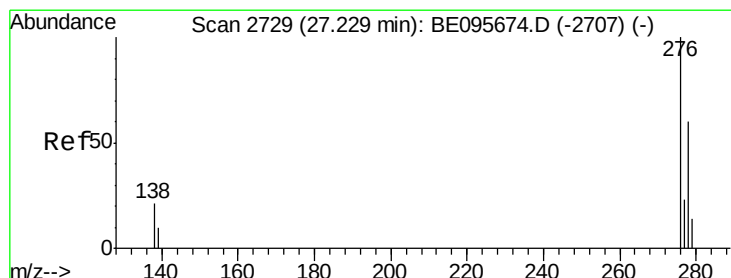
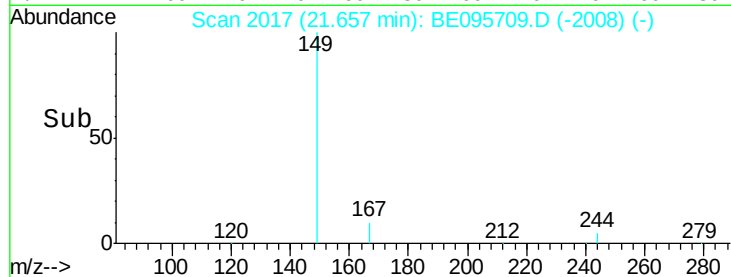
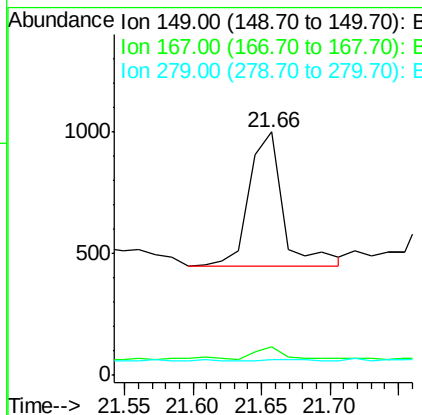
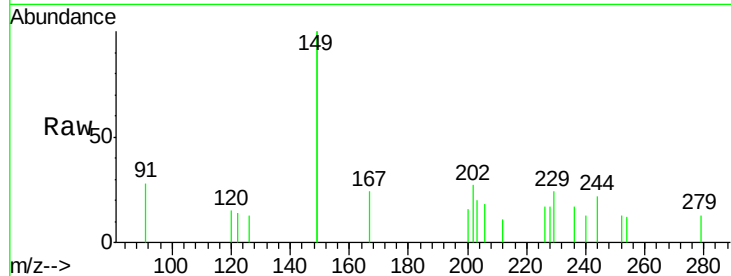
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.021 ng
 RT: 21.66 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Instrument :
 BNA_E
 ClientSampleId :
 T-5_030518

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.8	5.4	8.0
279	1.6	0.7	1.1#

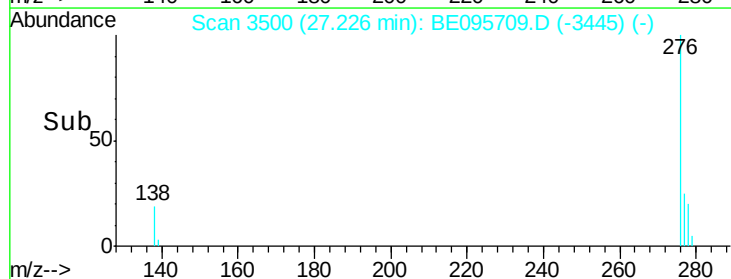
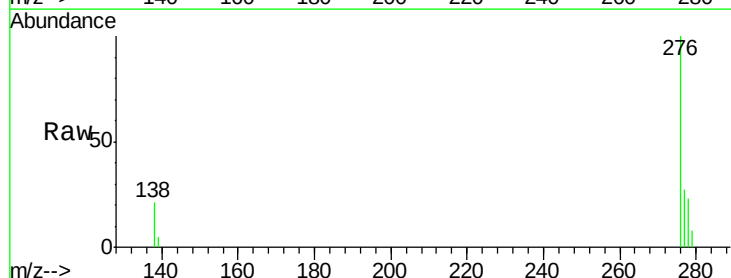
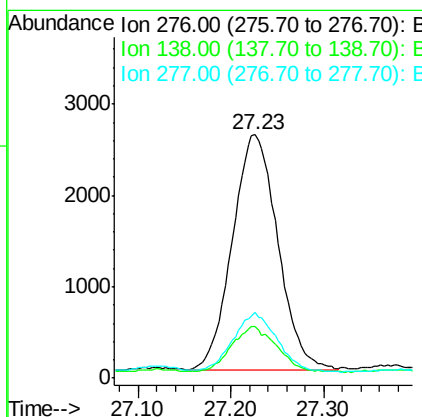
Manual Integrations
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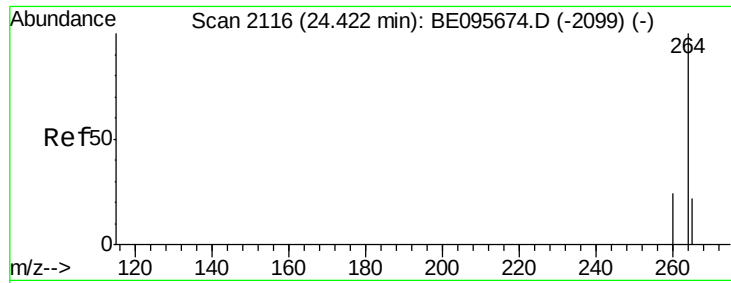
Sohil
 3/7/2018 12:20:20 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.348 ng
 RT: 27.23 min Scan# 3500
 Delta R.T. -0.00 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.9	22.5	33.7#
277	24.4	19.9	29.9





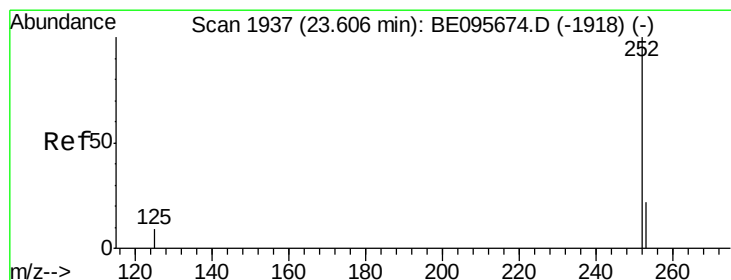
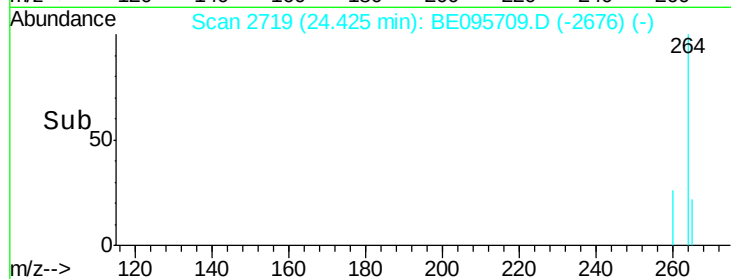
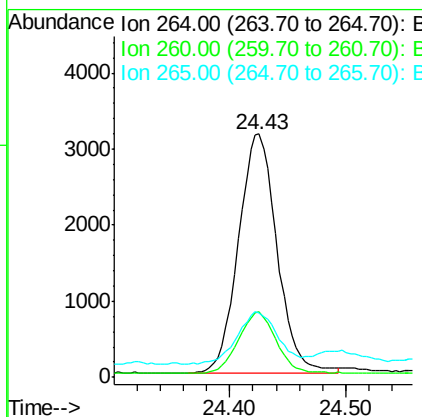
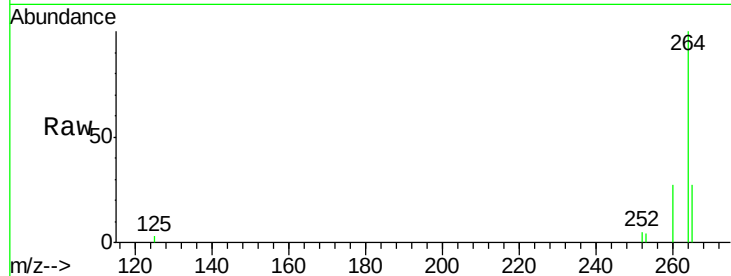
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 24.43 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Instrument :
 BNA_E
 ClientSampleId :
 T-5_030518

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.5	30.7
265	26.5	22.8	34.2

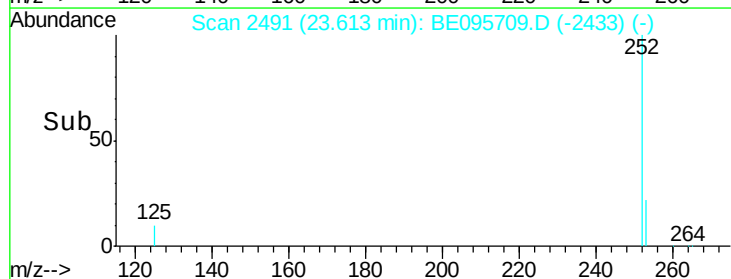
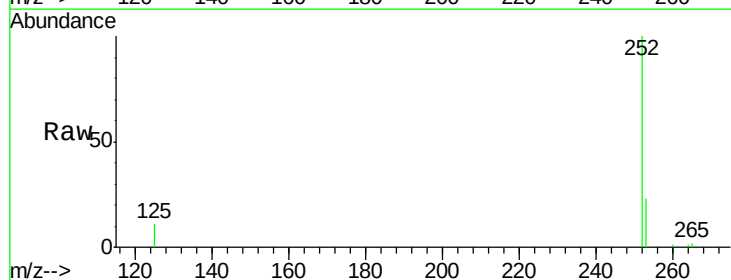
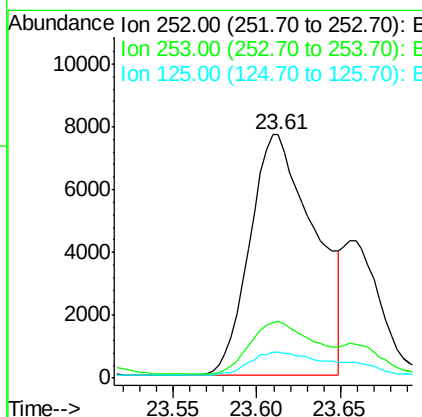
Manual Integrations
 APPROVED

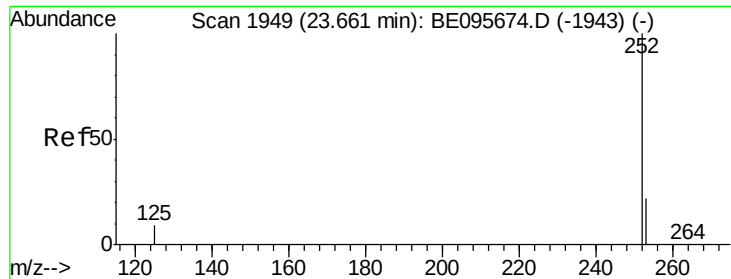
Sohil
 3/7/2018 12:20:20 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.800 ng
 RT: 23.61 min Scan# 2491
 Delta R.T. 0.01 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.6	16.0	24.0





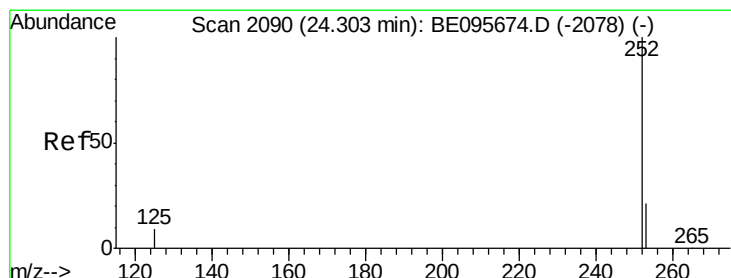
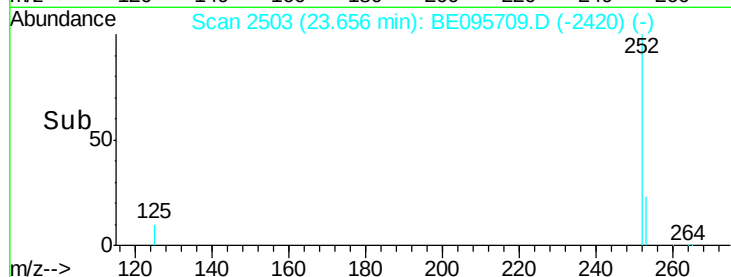
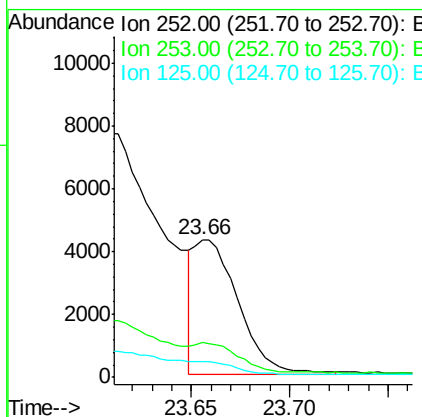
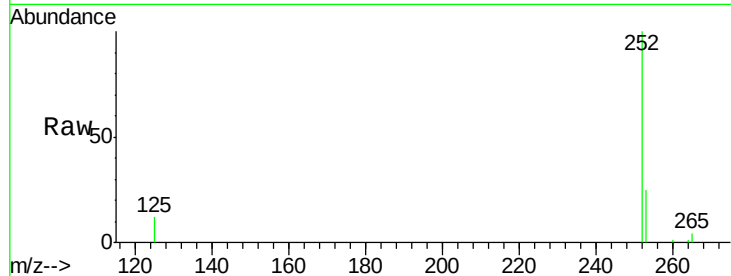
#36
Benzo(k)fluoranthene
Concen: 0.263 ng m
RT: 23.66 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Instrument :
BNA_E
ClientSampled :
T-5_030518

Tot Ion:252 Resp: 6747
Ion Ratio Lower Upper
252 100
253 25.0 16.0 24.0#
125 11.8 8.0 12.0

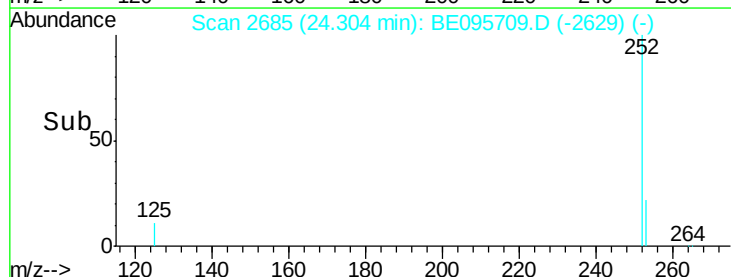
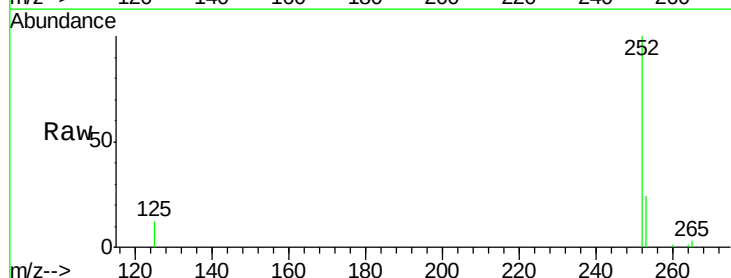
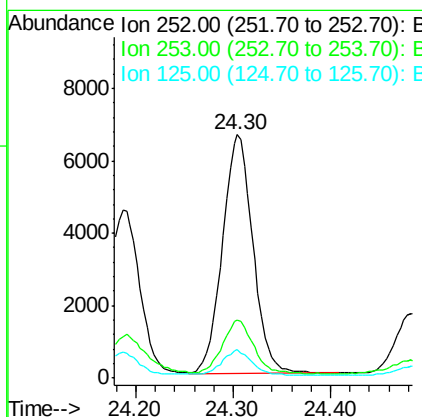
Manual Integrations
APPROVED

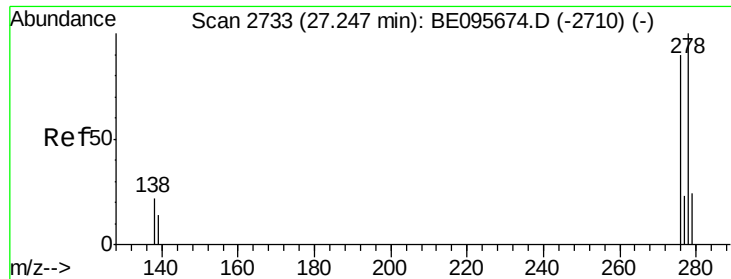
Sohil
3/7/2018 12:20:20 PM



#37
Benzo(a)pyrene
Concen: 0.616 ng
RT: 24.30 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095709.D
Acq: 6 Mar 2018 22:10

Tgt Ion:252 Resp: 14341
Ion Ratio Lower Upper
252 100
253 23.9 16.0 24.0
125 11.8 12.0 18.0#





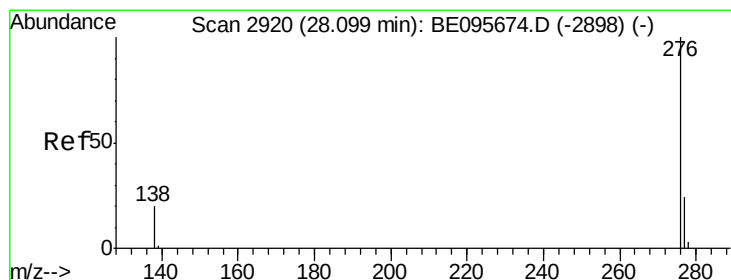
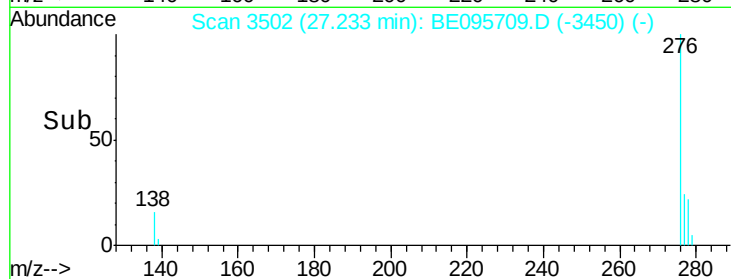
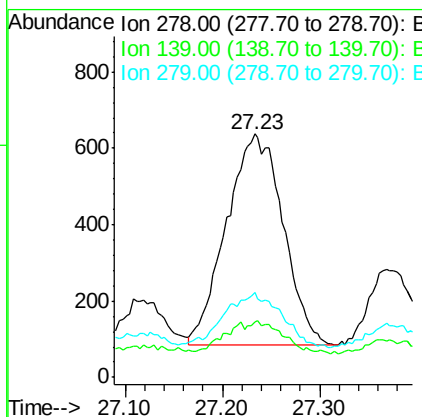
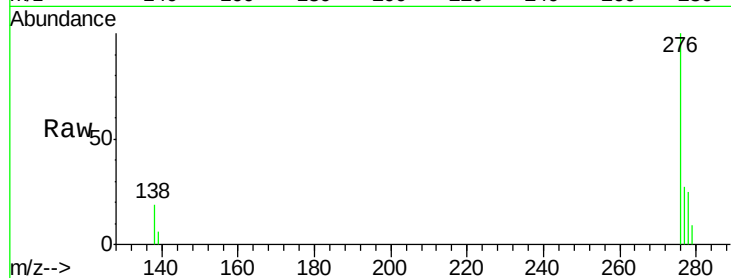
#38
 Dibenzo(a,h)anthracene
 Concen: 0.108 ng
 RT: 27.23 min Scan# 3502
 Delta R.T. -0.01 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Instrument :
 BNA_E
 ClientSampleId :
 T-5_030518

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	16.0	24.0
279	34.6	20.0	30.0

Manual Integrations
 APPROVED

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



#39
 Benzo(g,h,i)perylene
 Concen: 0.400 ng
 RT: 28.10 min Scan# 3745
 Delta R.T. 0.00 min
 Lab File: BE095709.D
 Acq: 6 Mar 2018 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	16.0	24.0
138	20.9	20.0	30.0

