

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030718\
 Data File : BE095720.D
 Acq On : 7 Mar 2018 12:51
 Operator : SJ/JU
 Sample : J1811-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-7_030518

Manual Integrations
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Sohil
 3/8/2018 4:46:27 PM

Quant Time: Mar 07 14:27:55 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	1444	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	5719	0.40	ng	-0.02
13) Acenaphthene-d10	15.00	164	3310	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7054	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7523	0.40	ng	0.00
34) Perylene-d12	24.43	264	7250	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	732	0.19	ng	0.00
5) Phenol-d6	7.56	99	1016	0.19	ng	0.00
8) Nitrobenzene-d5	9.61	82	1348	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2216	0.23	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	259	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	3161	0.21	ng	0.00
25) Fluoranthene-d10	19.69	212	16173	0.18	ng	0.00
29) Terphenyl-d14	20.25	244	2828	0.19	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	11.31	128	9096	0.138	ng	98
12) 2-Methylnaphthalene	12.88	142	6447	0.567	ng	96
16) Acenaphthylene	14.74	152	3166	0.170	ng	# 92
17) Acenaphthene	15.07	154	1004	0.086	ng	# 57
22) Pentachlorophenol	17.37	266	98	0.237	ng	91
23) Phenanthrene	17.75	178	74721	3.389	ng	97
24) Anthracene	17.84	178	11097	0.548	ng	# 91
26) Fluoranthene	19.72	202	54596	2.012	ng	96
28) Pyrene	20.07	202	132090	4.294	ng	# 95
30) Benzo(a)anthracene	21.78	228	42120	1.716	ng	96
31) Chrysene	21.84	228	45261	1.854	ng	95
32) Bis(2-ethylhexyl)phthalate	21.66	149	4246	0.098	ng	# 98
33) Indeno(1,2,3-cd)pyrene	27.23	276	21632	0.915	ng	# 92
35) Benzo(b)fluoranthene	23.61	252	37452	1.450	ng	# 91
36) Benzo(k)fluoranthene	23.66	252	16997m	0.662	ng	
37) Benzo(a)pyrene	24.30	252	33994m	1.460	ng	
38) Dibenzo(a,h)anthracene	27.24	278	8994	0.434	ng	# 87
39) Benzo(a,h,i)perylene	28.10	276	31810	1.433	ng	# 91

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

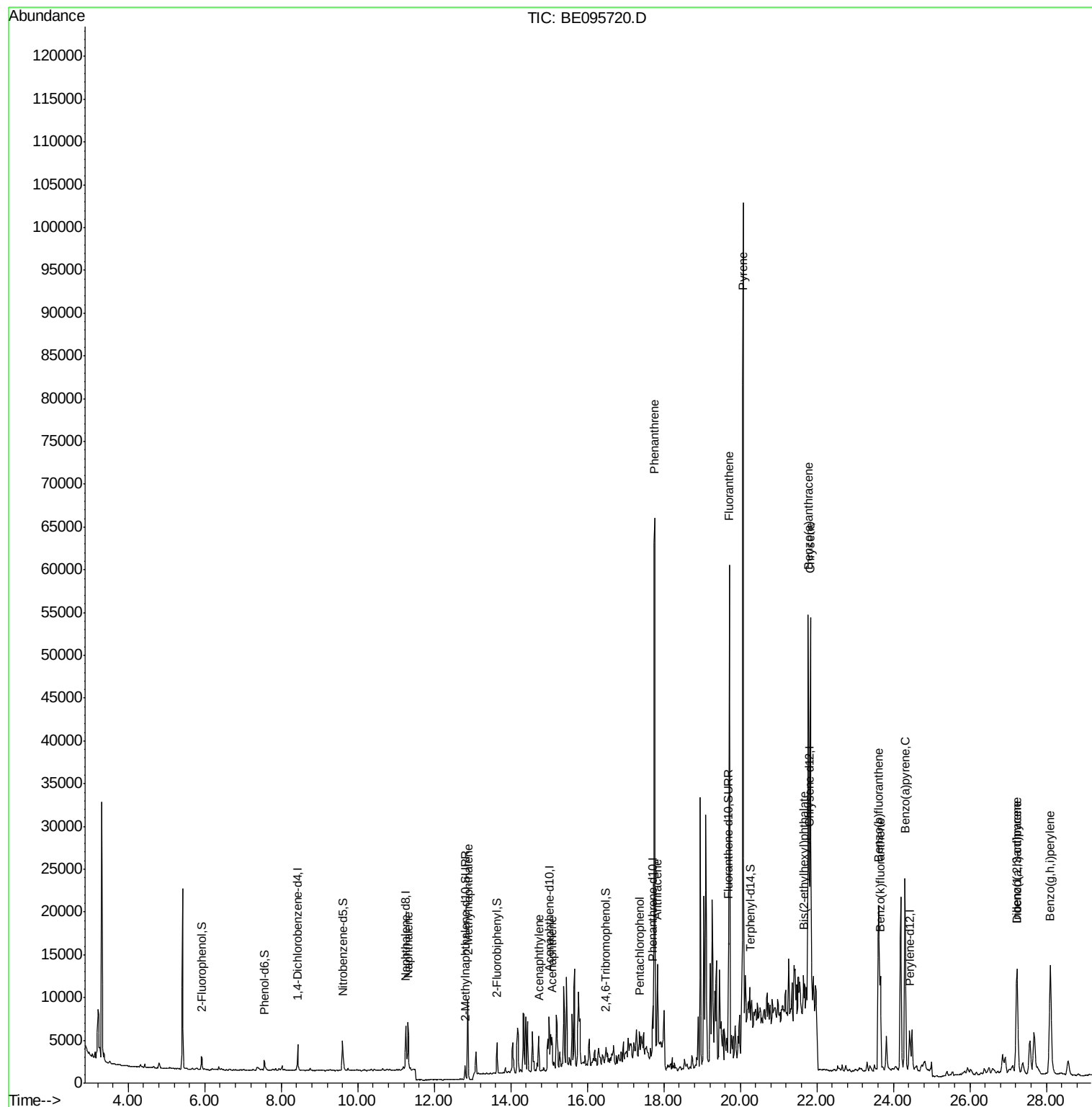
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030718\
Data File : BE095720.D
Acq On : 7 Mar 2018 12:51
Operator : SJ/JU
Sample : J1811-07
Misc :
ALS Vial : 4 Sample Multiplier: 1

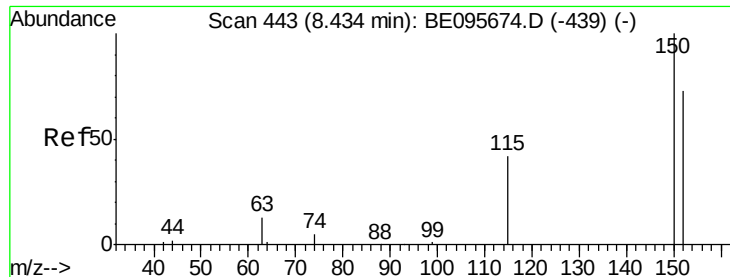
Instrument :
BNA_E
ClientSampleId :
T-7_030518

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Quant Time: Mar 07 14:27:55 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





#1

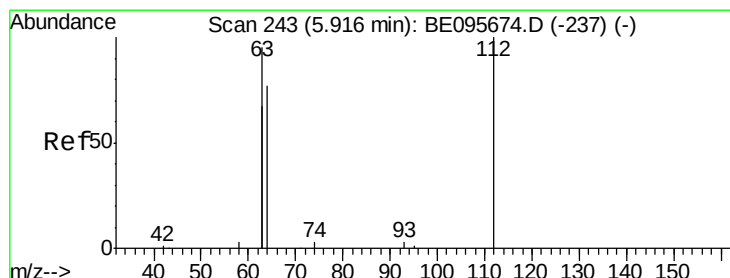
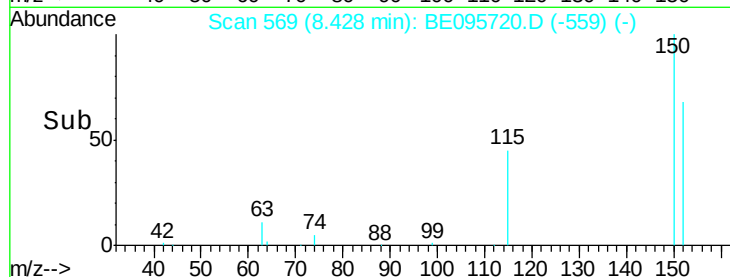
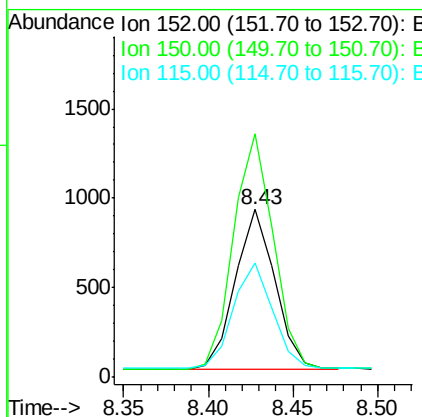
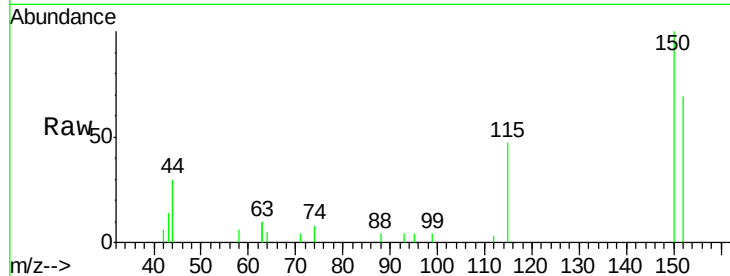
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.0	117.2	175.8
115	67.8	57.0	85.6

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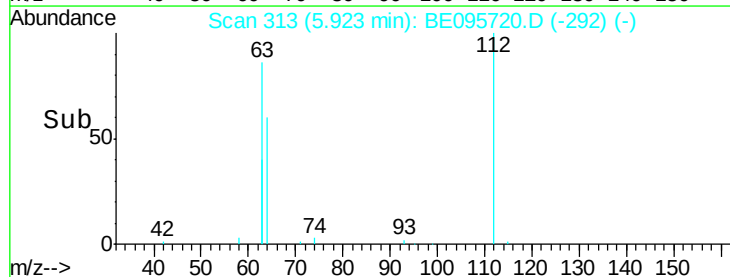
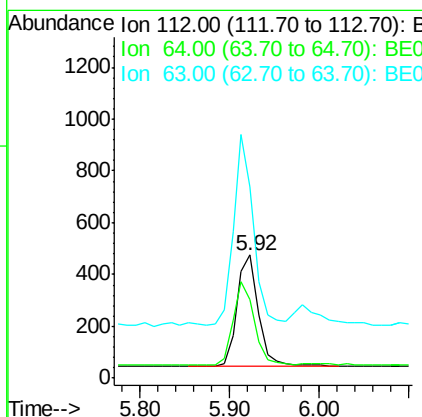
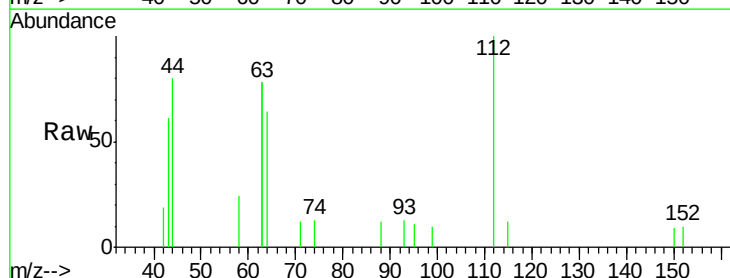
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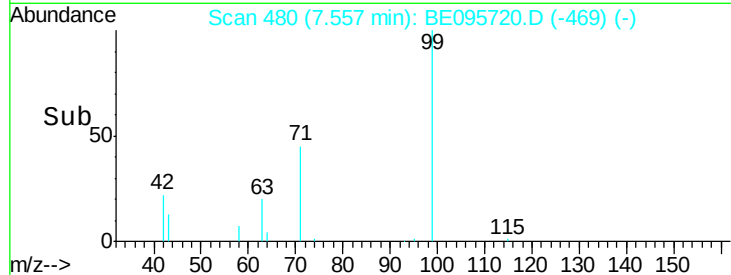
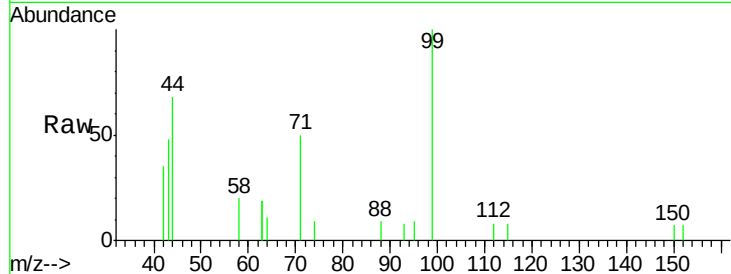
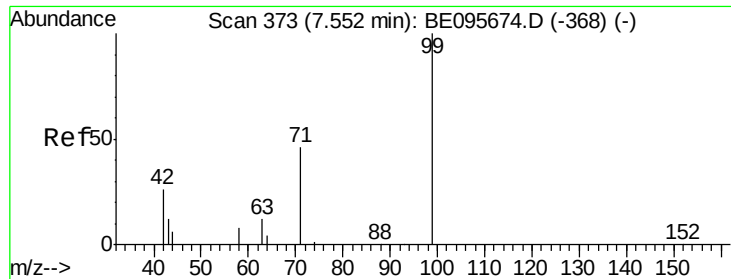


#4

2-Fluorophenol
Concen: 0.192 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	60.1	90.1
63	155.1	116.8	175.2





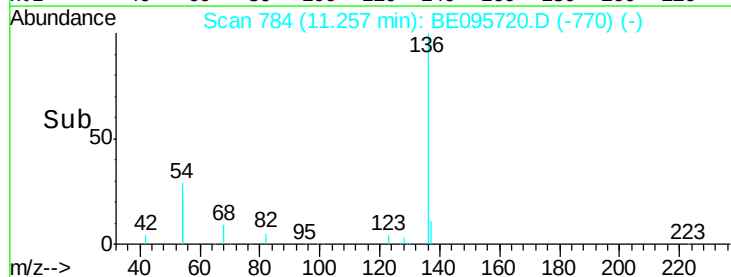
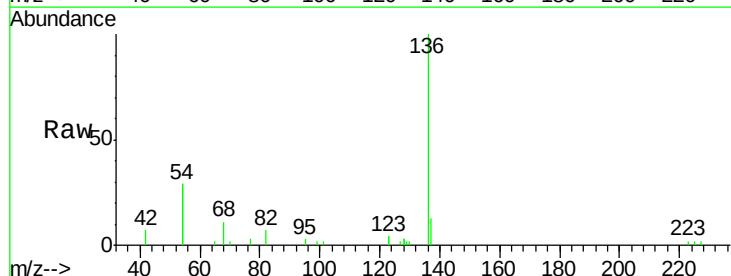
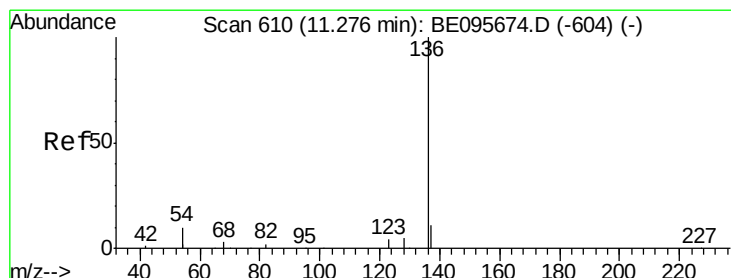
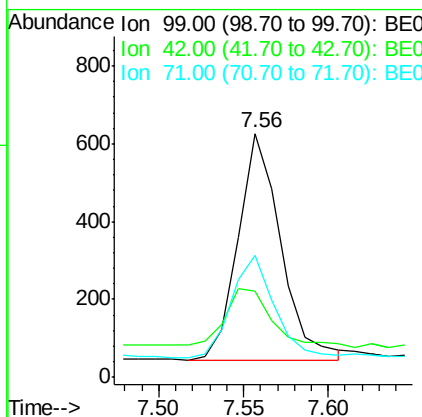
#5
Phenol-d6
Concen: 0.192 ng
RT: 7.56 min Scan# 480
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tot Ion	Ratio	Resp	Lower	Upper
99	100	1016		
42	25.1		20.2	30.2
71	45.4		28.4	42.6

Instrument :
BNA_E
ClientSampleId :
T-7_030518

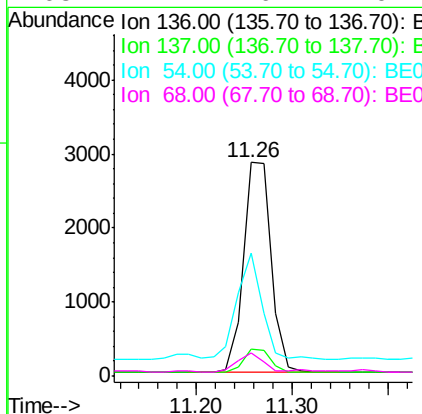
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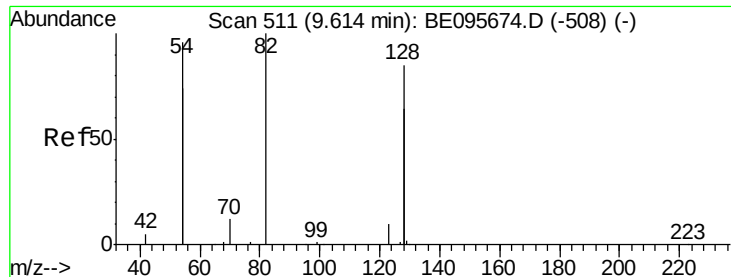
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. -0.02 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	5719		
137	12.5		9.5	14.3
54	57.7		29.1	43.7
68	11.1		6.2	9.2





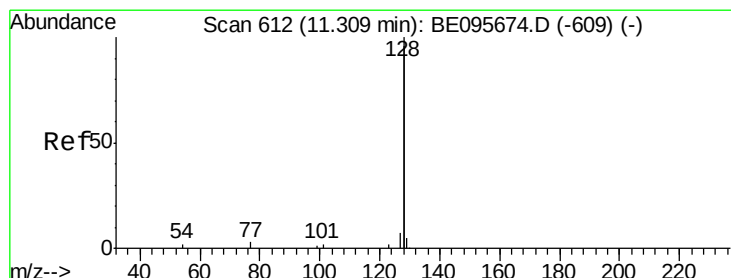
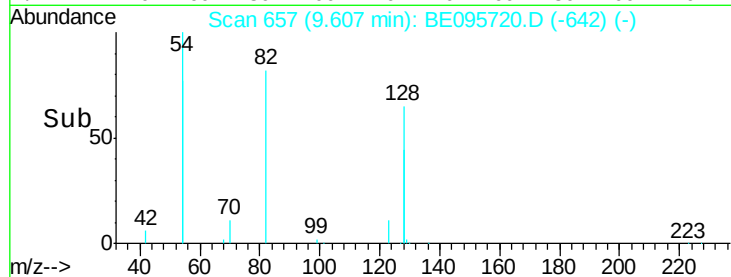
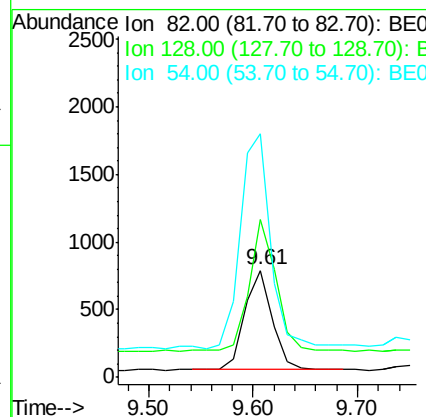
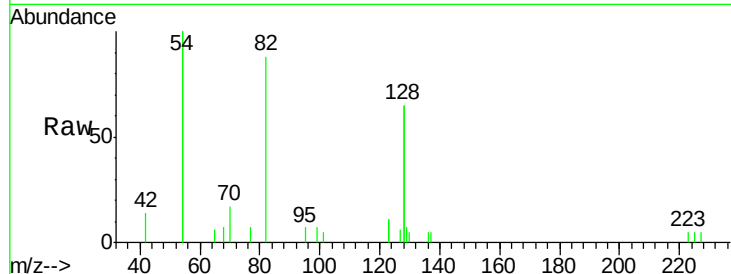
#8
 Nitrobenzene-d5
 Concen: 0.229 ng
 RT: 9.61 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Instrument :
 BNA_E
 ClientSampled :
 T-7_030518

Tot Ion	Ratio	Lower	Upper
82	100		
128	146.8	150.0	225.0#
54	227.0	154.2	231.4

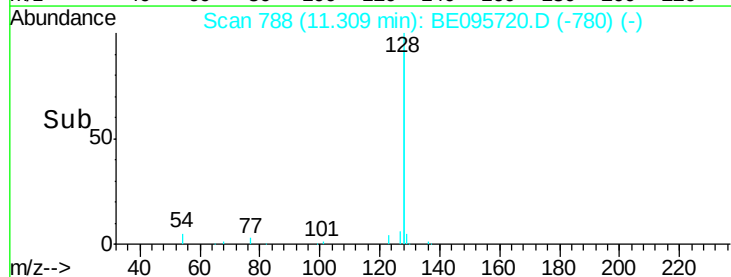
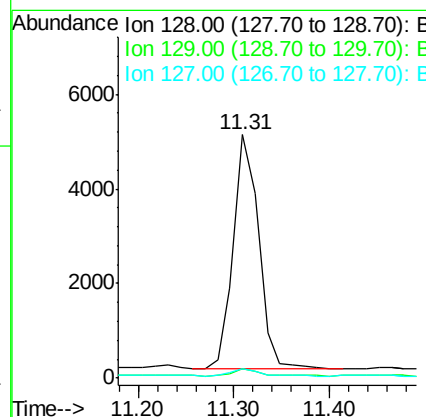
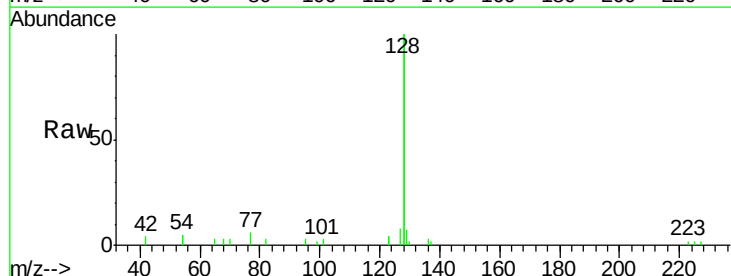
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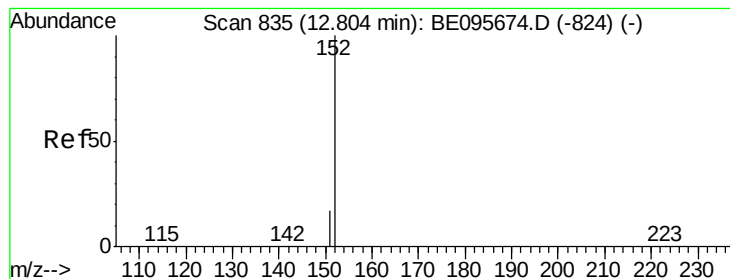
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#9
 Naphthalene
 Concen: 0.138 ng
 RT: 11.31 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.6	3.8
127	4.0	2.8	4.2





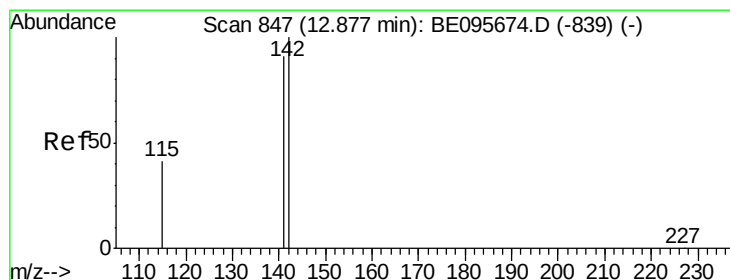
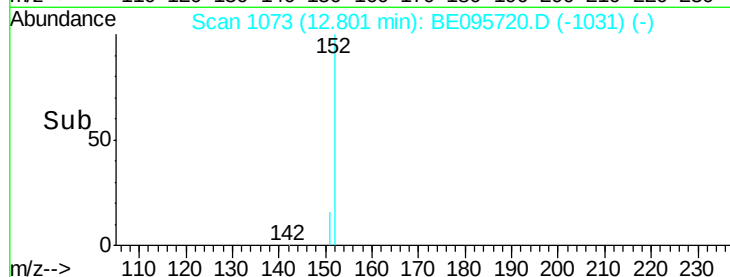
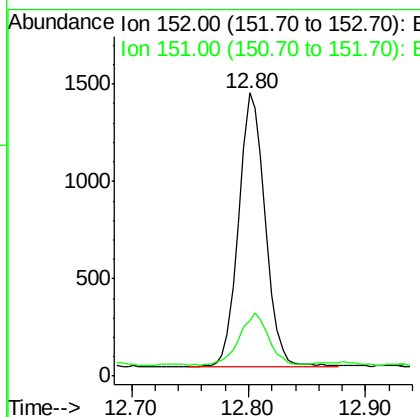
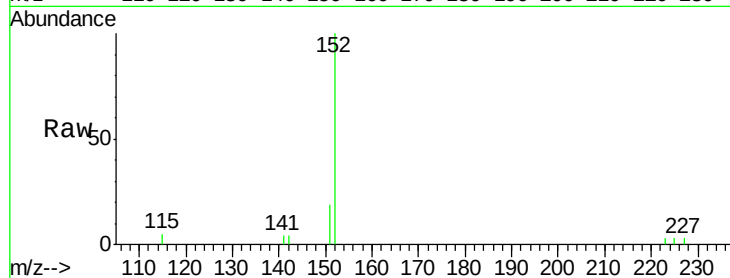
#11
 2-Methylnaphthalene-d10
 Concen: 0.232 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Instrument :
 BNA_E
 ClientSampleId :
 T-7_030518

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.7	15.4	23.0

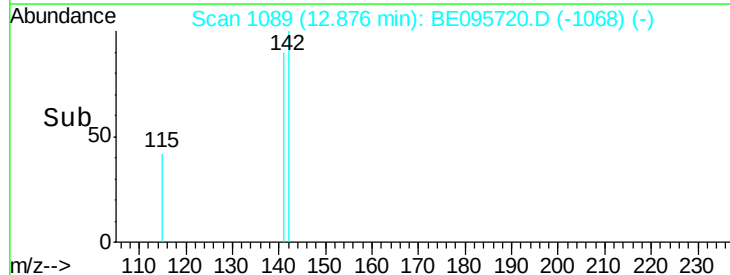
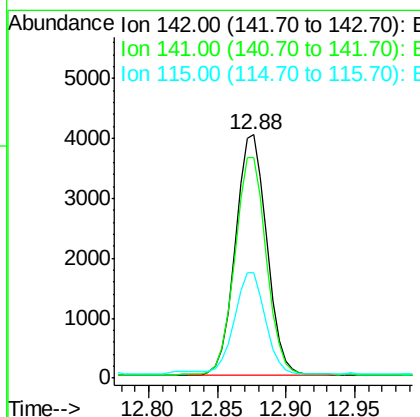
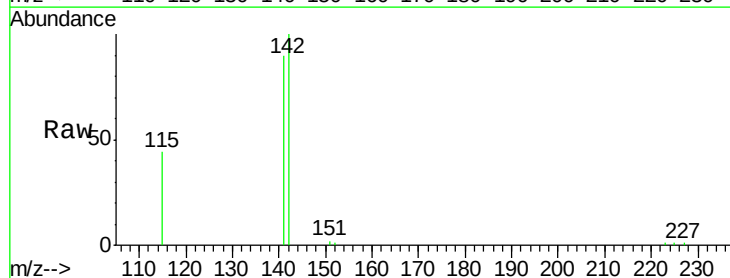
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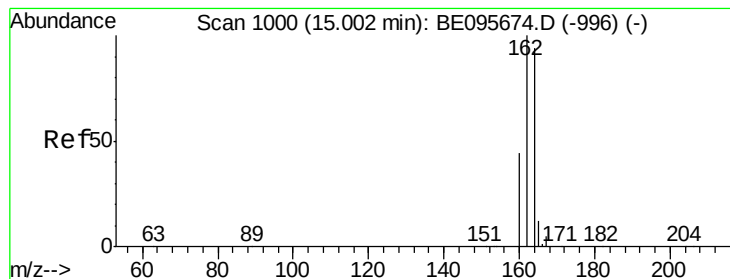
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#12
 2-Methylnaphthalene
 Concen: 0.567 ng
 RT: 12.88 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.4	105.6
115	43.5	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: BE095720.D

Acq: 7 Mar 2018 12:51

Instrument :

BNA_E

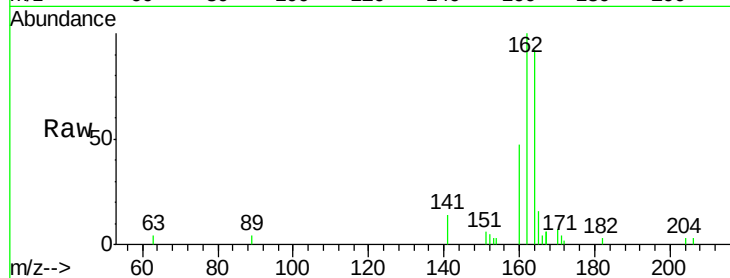
ClientSampleId :

T-7_030518

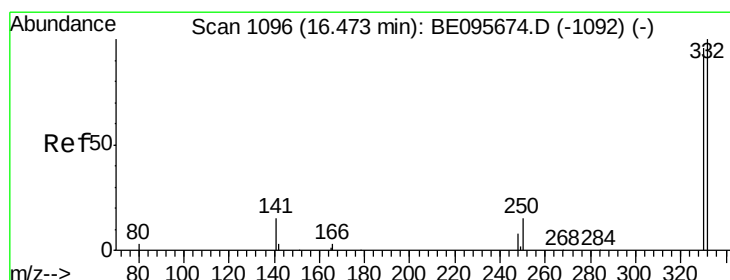
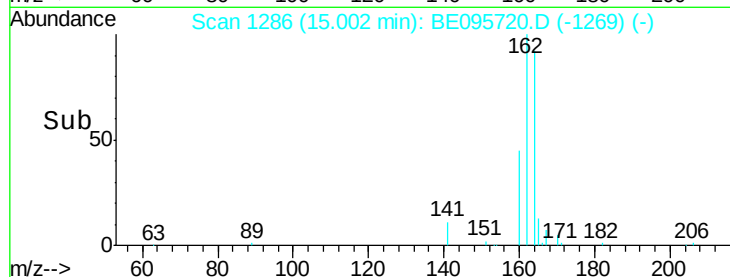
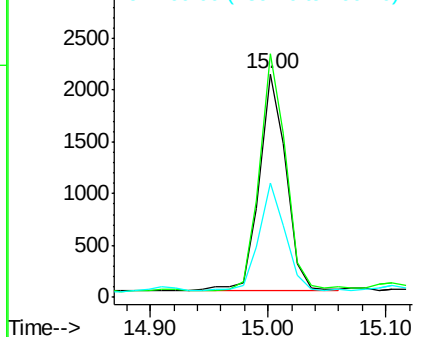
Tot Ion:	164	Resp:	3310
Ion	Ratio	Lower	Upper
164	100		
162	108.9	83.1	124.7
160	51.2	37.1	55.7

Manual Integrations
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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: 0.279 ng

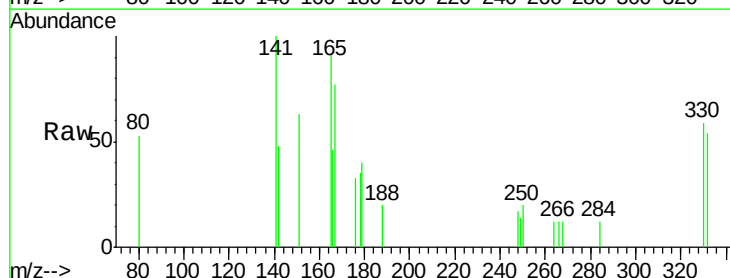
RT: 16.47 min Scan# 1409

Delta R.T. -0.00 min

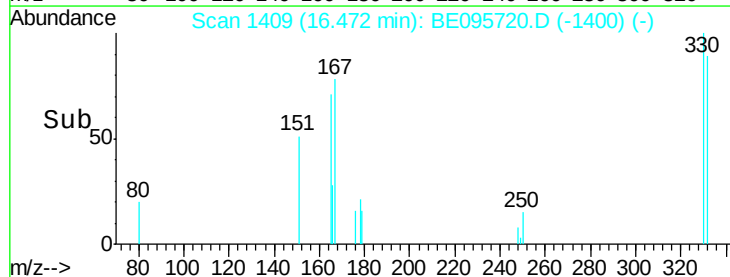
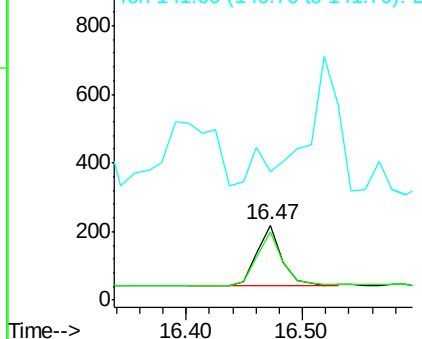
Lab File: BE095720.D

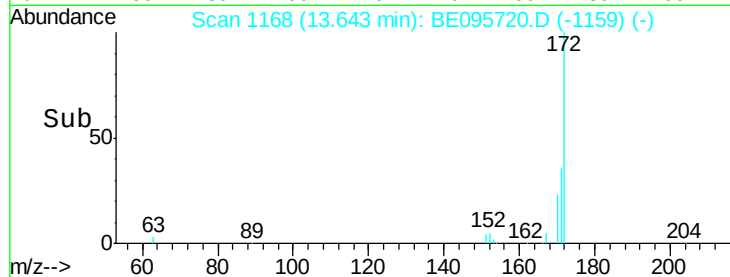
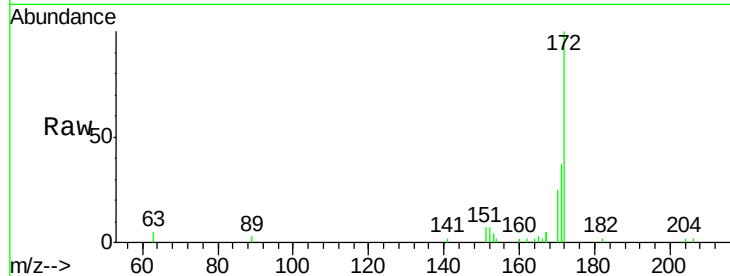
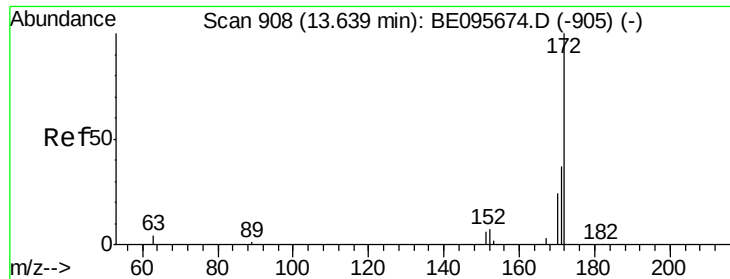
Acq: 7 Mar 2018 12:51

Tgt Ion:	330	Resp:	259
Ion	Ratio	Lower	Upper
330	100		
332	95.8	152.7	229.1#
141	36.3	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





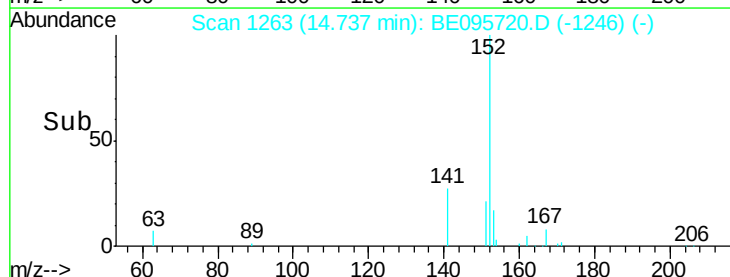
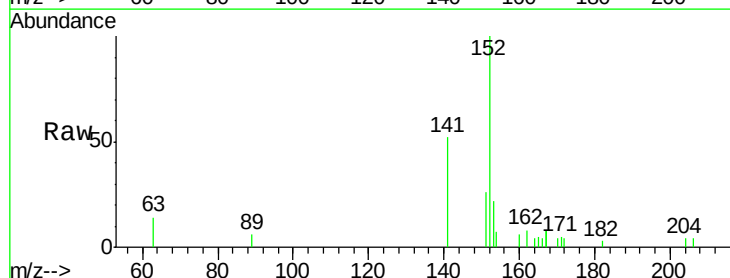
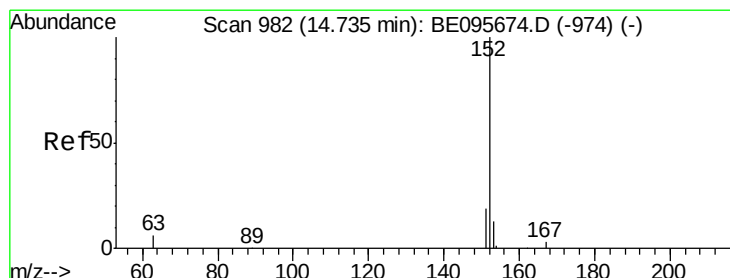
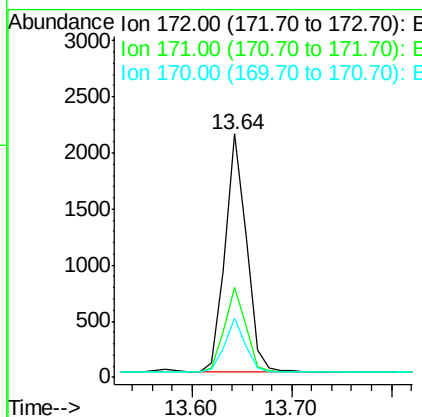
#15
2-Fluorobiphenyl
Concen: 0.214 ng
RT: 13.64 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tot Ion:	172	Resp:	3161
Ion Ratio	Lower	Upper	
172	100		
171	37.0	29.9	44.9
170	24.6	21.8	32.8

Instrument :
BNA_E
ClientSampleId :
T-7_030518

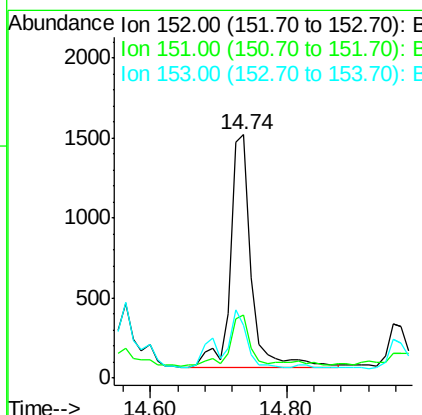
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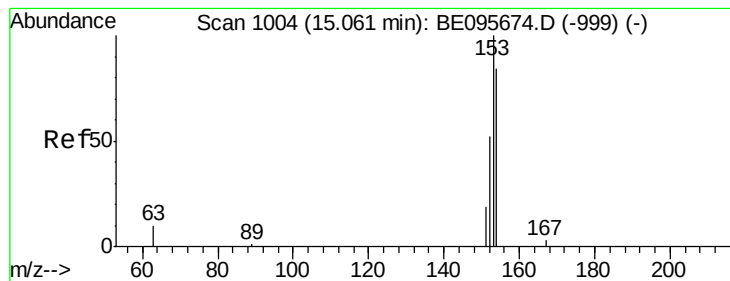
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#16
Acenaphthylene
Concen: 0.170 ng
RT: 14.74 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion:	152	Resp:	3166
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.7	23.5
153	19.6	10.5	15.7#





#17

Acenaphthene

Concen: 0.086 ng

RT: 15.07 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE095720.D

Acq: 7 Mar 2018 12:51

Instrument :

BNA_E

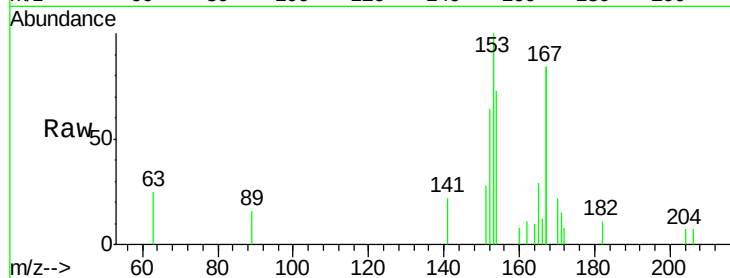
ClientSampled :

T-7_030518

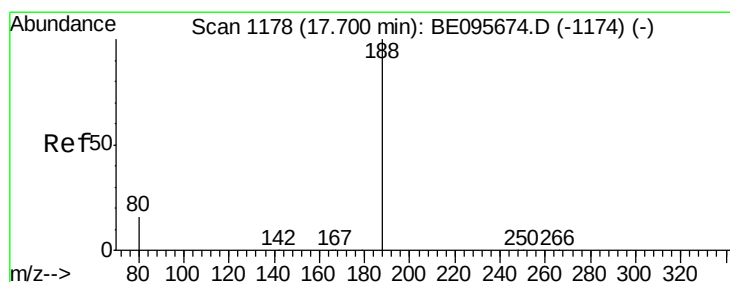
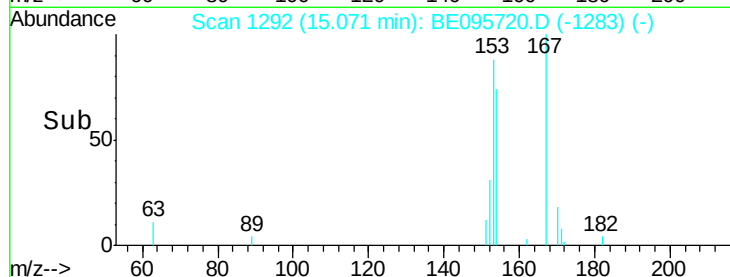
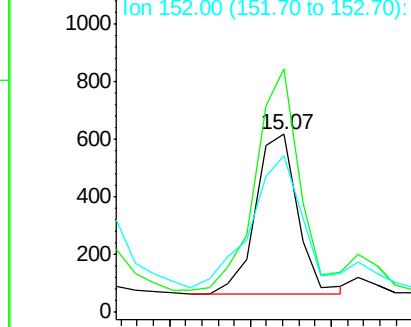
Tot Ion:	154	Resp:	1004
Ion	Ratio	Lower	Upper
154	100		
153	144.7	89.2	133.8#
152	100.1	42.0	63.0#

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.71 min Scan# 1515

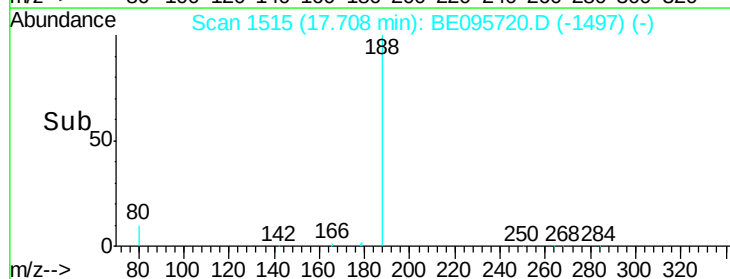
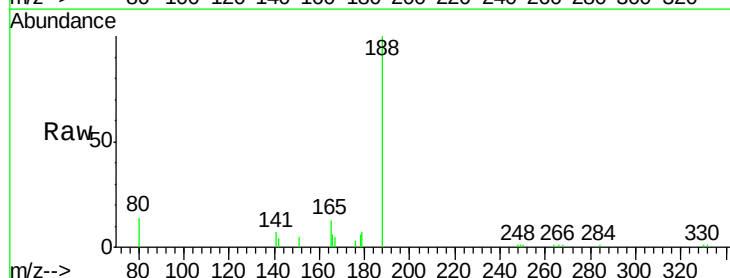
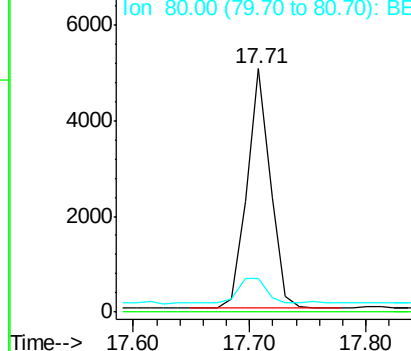
Delta R.T. 0.01 min

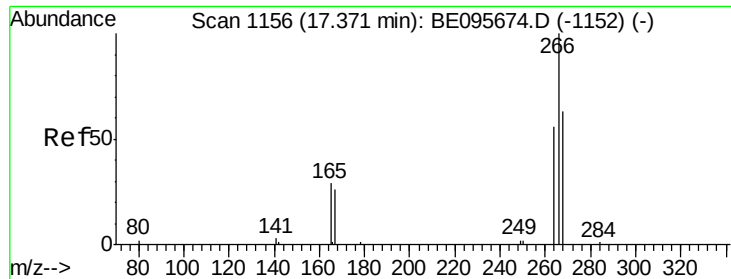
Lab File: BE095720.D

Acq: 7 Mar 2018 12:51

Tgt Ion:	188	Resp:	7054
Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.7	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





#22

Pentachlorophenol

Concen: 0.237 ng

RT: 17.37 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BE095720.D

Acq: 7 Mar 2018 12:51

Instrument :

BNA_E

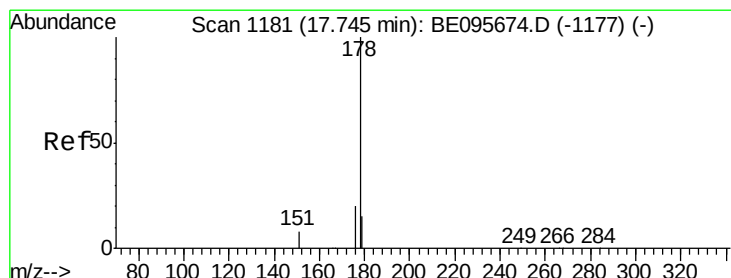
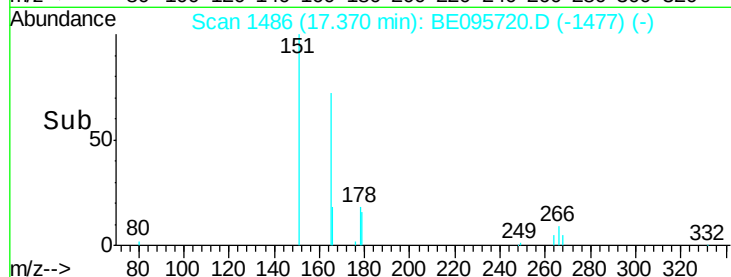
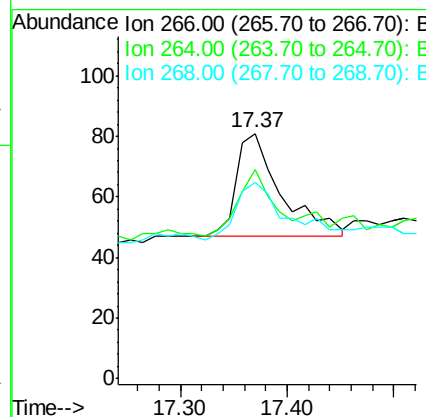
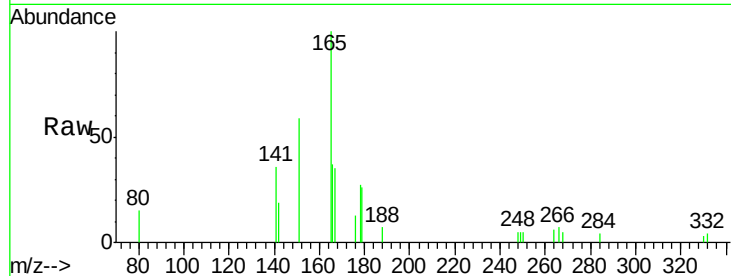
ClientSampleId :

T-7_030518

Tot Ion:	266	Resp:	98
Ion	Ratio	Lower	Upper
266	100		
264	85.2	72.5	108.7
268	80.2	73.8	110.6

Manual Integrations
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3/8/2018 4:46:27 PM



#23

Phenanthrene

Concen: 3.389 ng

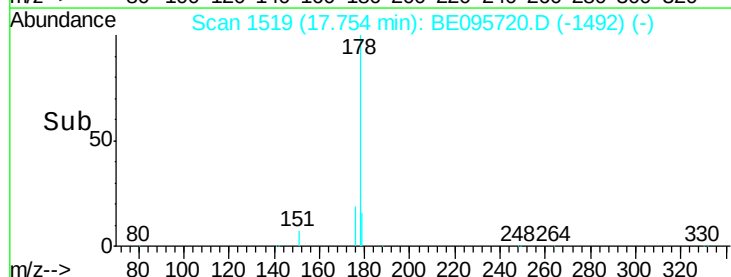
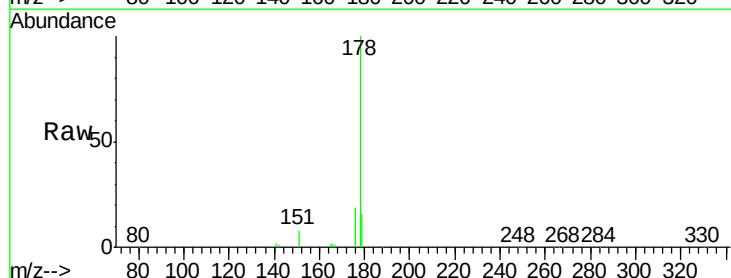
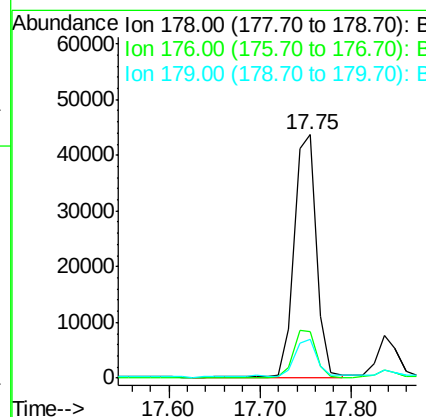
RT: 17.75 min Scan# 1519

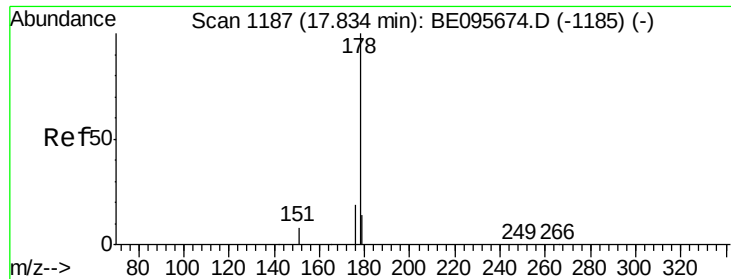
Delta R.T. 0.01 min

Lab File: BE095720.D

Acq: 7 Mar 2018 12:51

Tgt Ion:	178	Resp:	74721
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	17.3	11.8	17.6





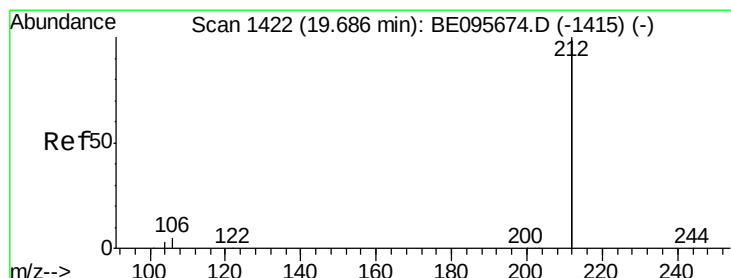
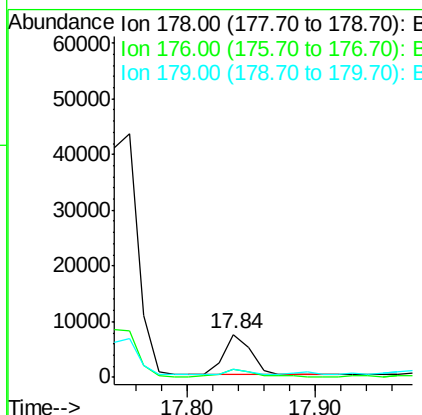
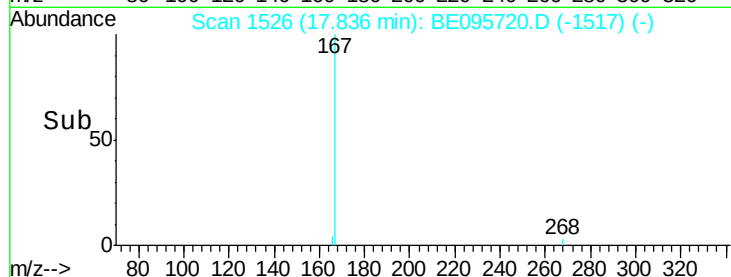
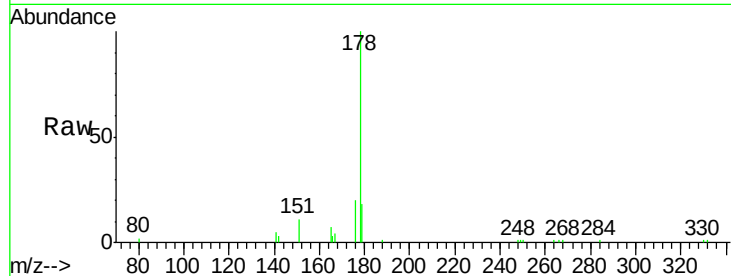
#24
 Anthracene
 Concen: 0.548 ng
 RT: 17.84 min Scan# 1526
 Delta R.T. 0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Instrument :
 BNA_E
 ClientSampled :
 T-7_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	11.3	13.0	19.6

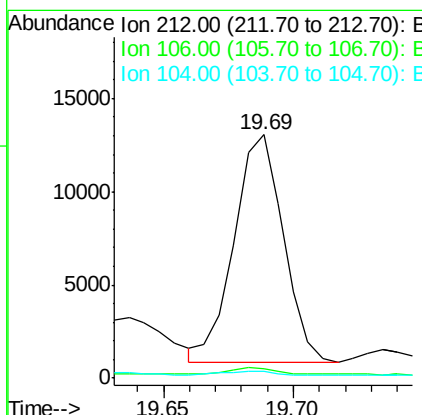
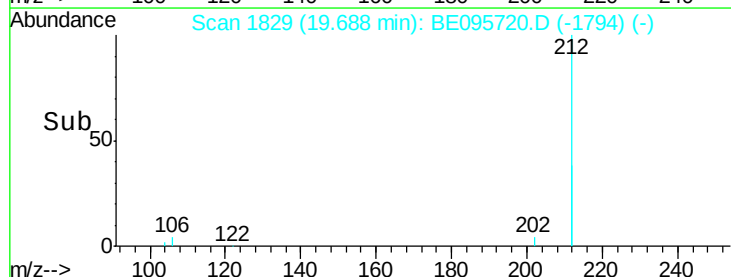
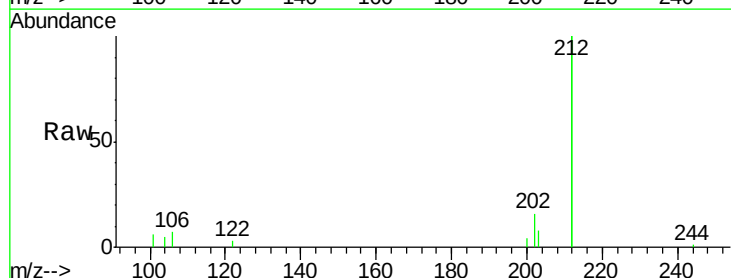
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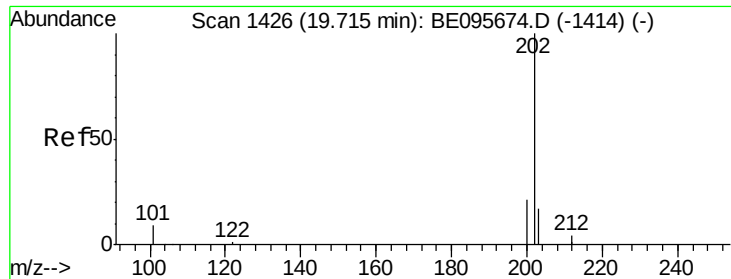
Sohil
 3/8/2018 4:46:27 PM



#25
 Fluoranthene-d10
 Concen: 0.176 ng
 RT: 19.69 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4





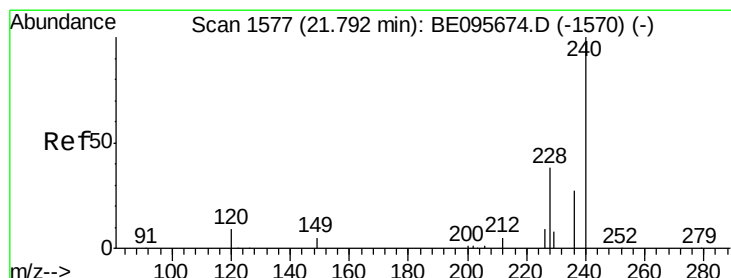
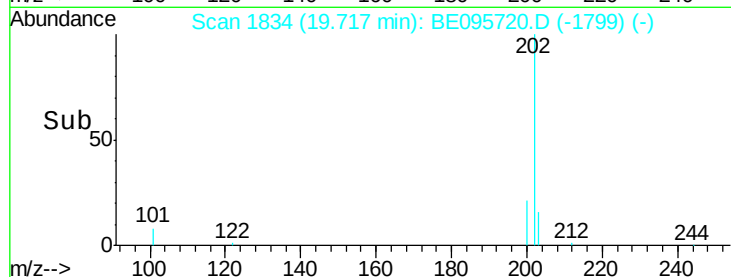
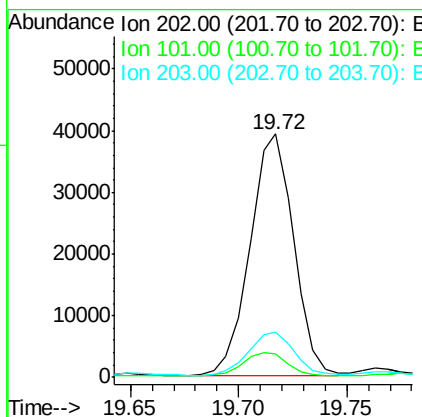
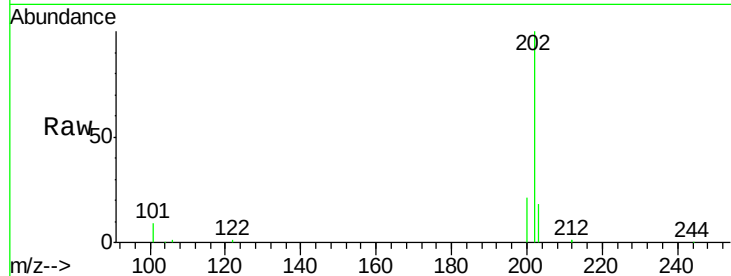
#26
Fluoranthene
Concen: 2.012 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampled :
T-7_030518

Tot Ion	Ratio	Resp	Lower	Upper
202	100	54596		
101	10.1		9.8	14.8
203	18.5		13.7	20.5

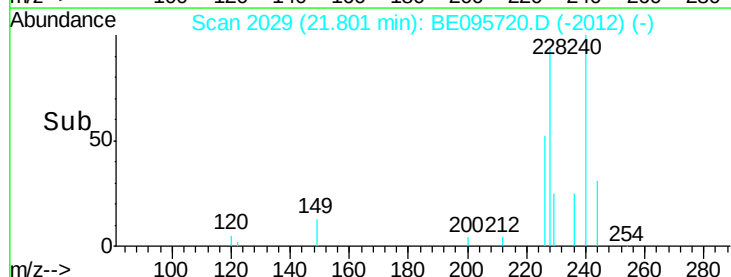
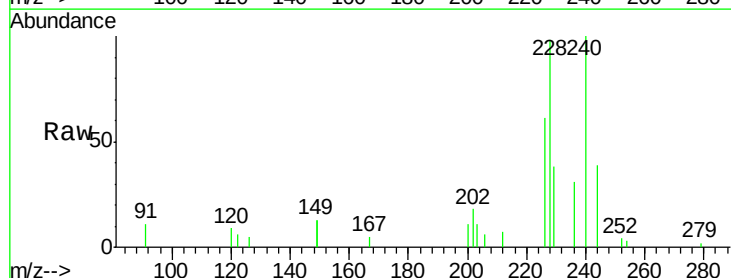
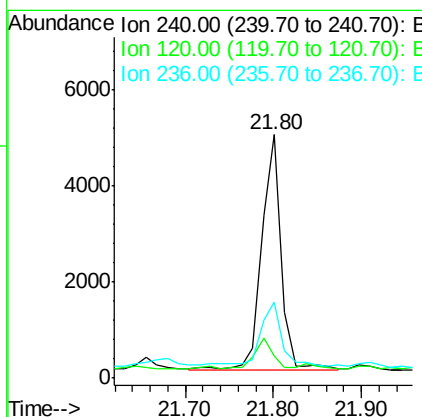
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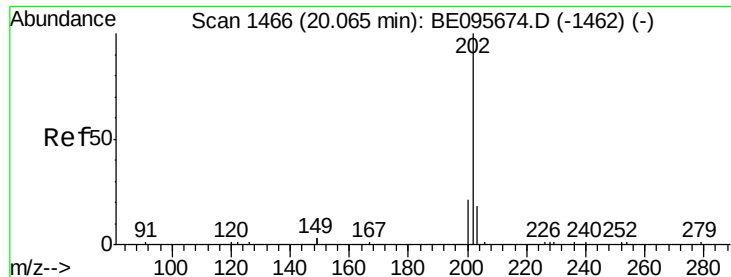
Sohil
3/8/2018 4:46:27 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	7523		
120	9.0		5.5	8.3#
236	31.2		20.7	31.1#





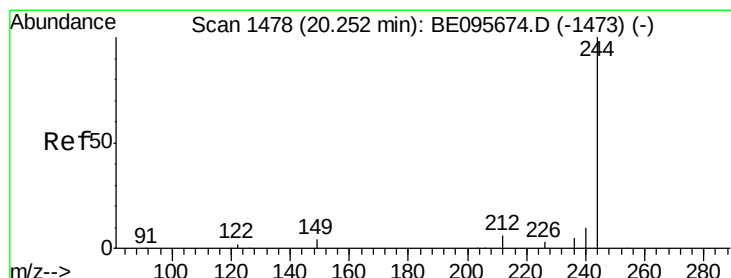
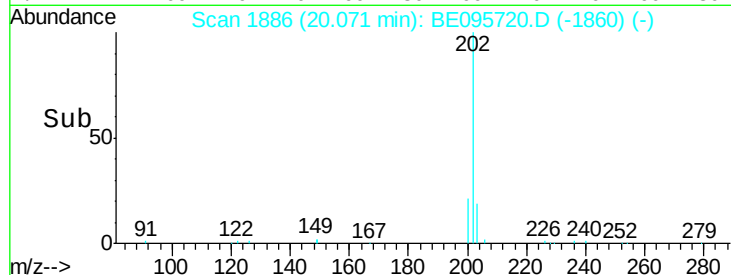
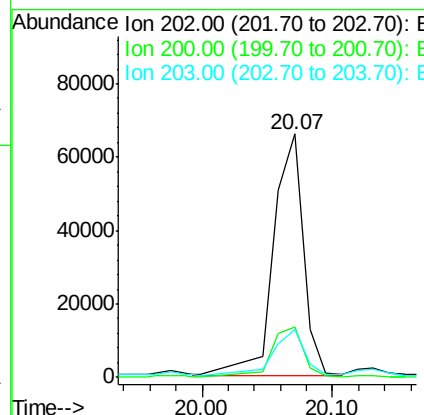
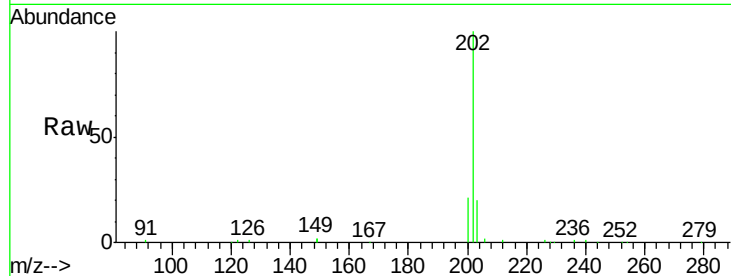
#28
Pvrene
Concen: 4.294 ng
RT: 20.07 min Scan# 1886
Delta R.T. 0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.6	25.0
203	21.5	13.8	20.8

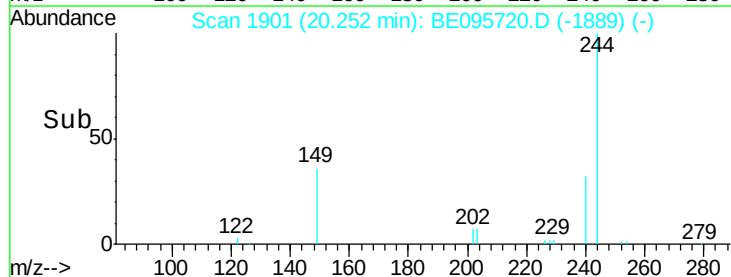
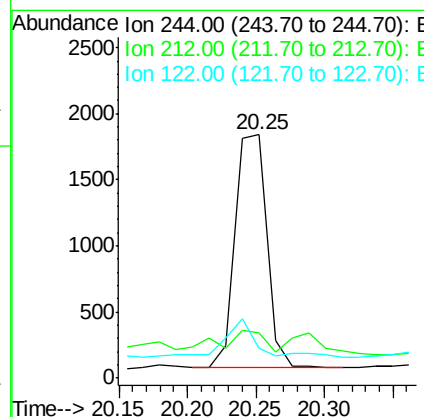
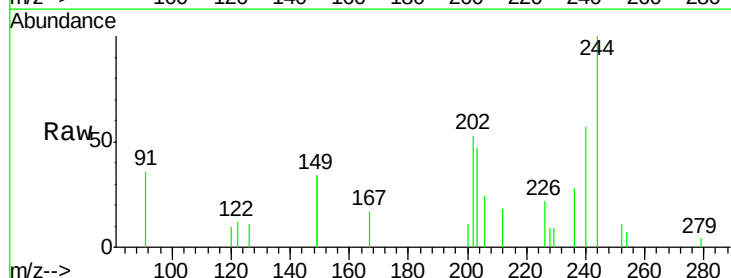
Manual Integrations
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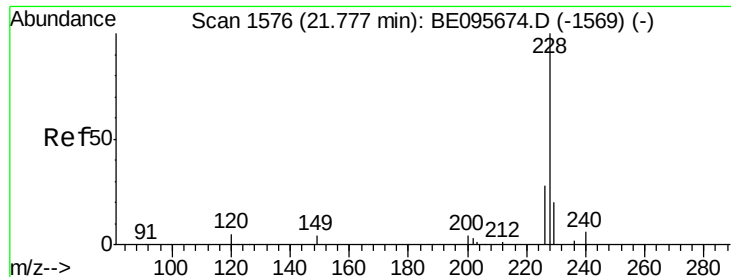
Sohil
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#29
Terphenyl-d14
Concen: 0.189 ng
RT: 20.25 min Scan# 1901
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	18.3	25.4	38.0
122	12.4	8.1	12.1





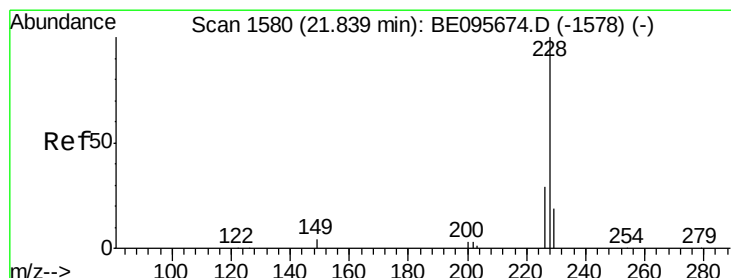
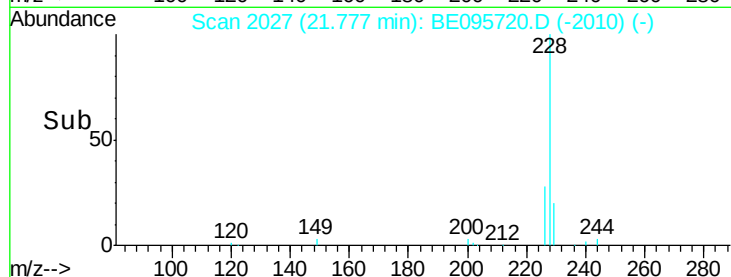
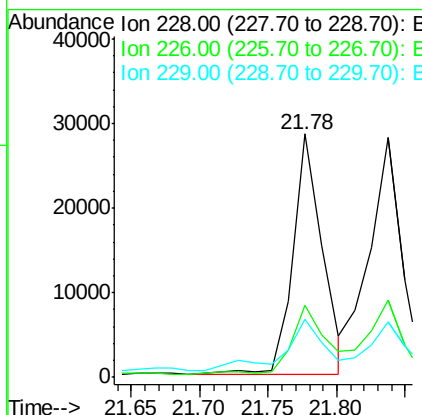
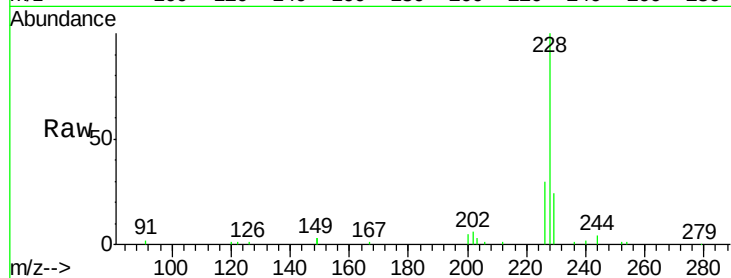
#30
Benzo(a)anthracene
Concen: 1.716 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	23.7	16.0	24.0

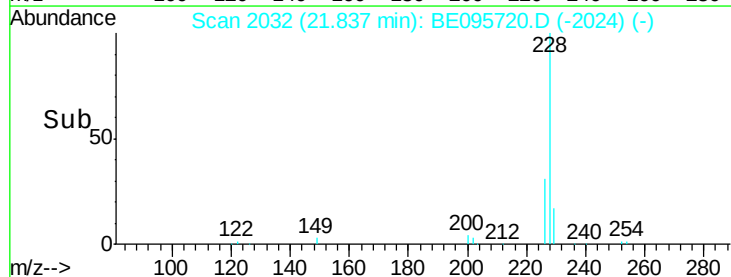
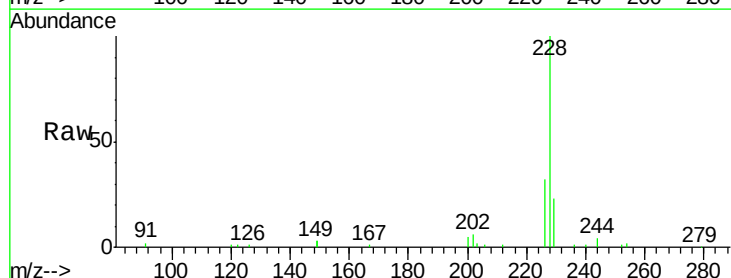
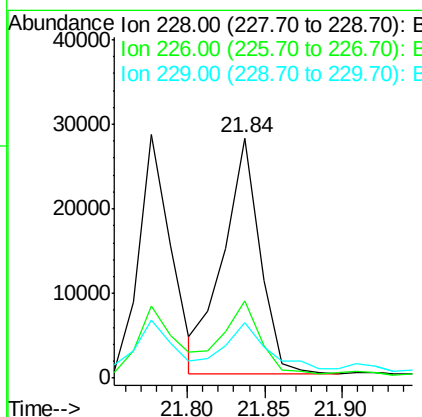
Manual Integrations
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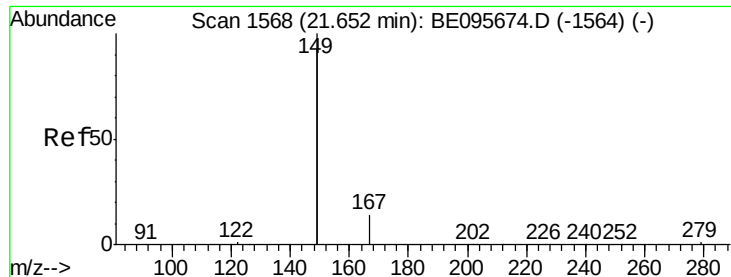
Sohil
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#31
Chrysene
Concen: 1.854 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.0	36.0
229	23.0	16.0	24.0





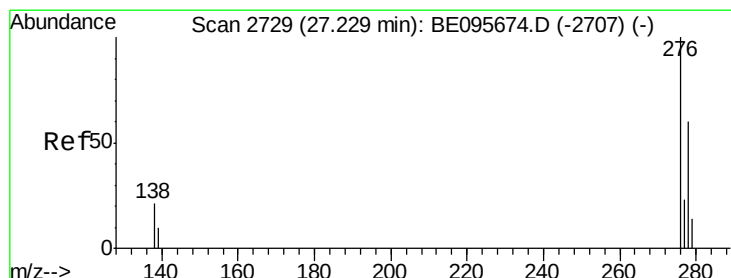
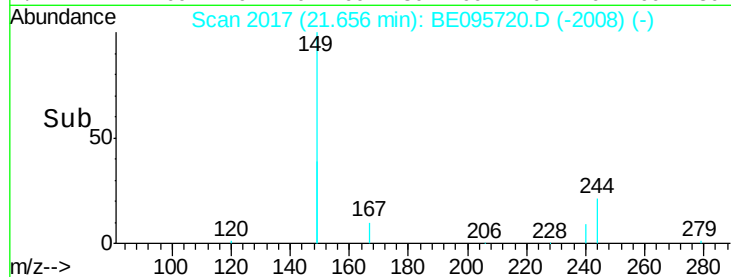
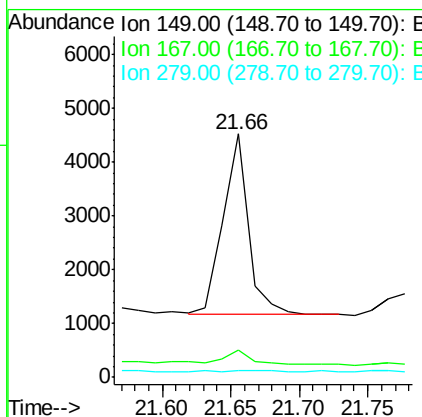
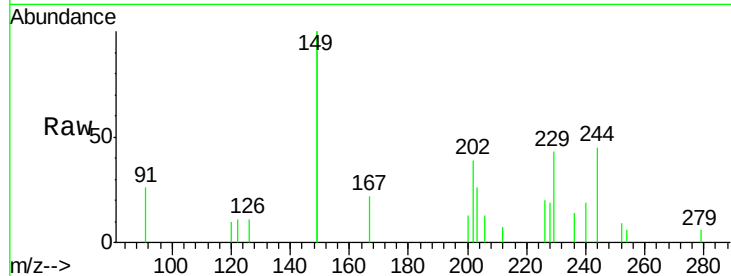
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.098 ng
 RT: 21.66 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Instrument :
 BNA_E
 ClientSampleId :
 T-7_030518

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.0
279	1.4	0.7	1.1#

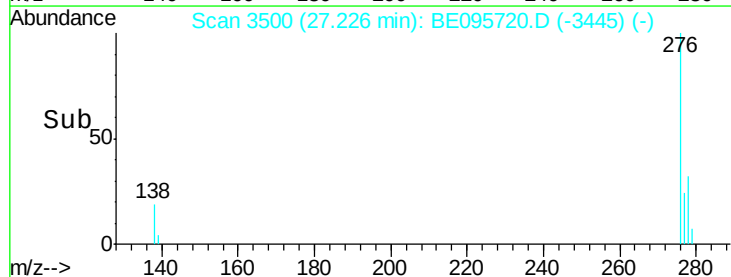
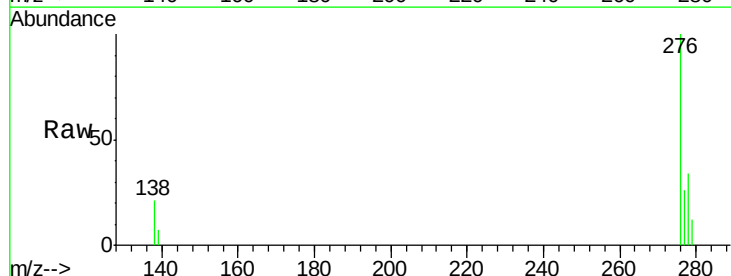
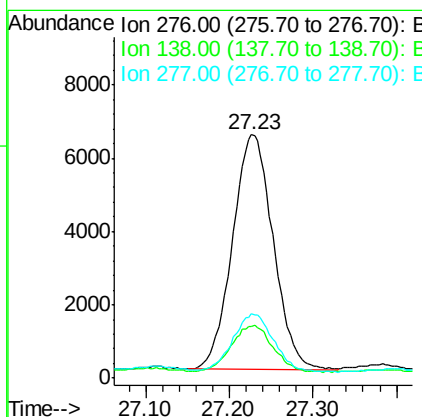
Manual Integrations
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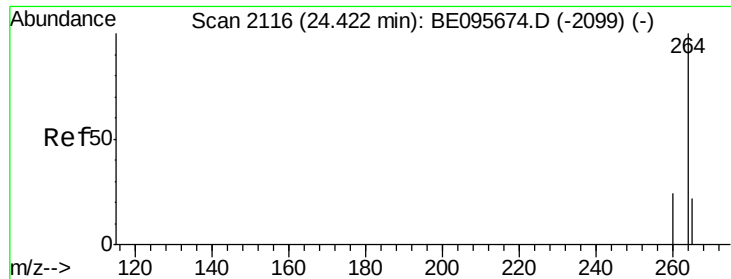
Sohil
 3/8/2018 4:46:27 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.915 ng
 RT: 27.23 min Scan# 3500
 Delta R.T. -0.00 min
 Lab File: BE095720.D
 Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.5	33.7#
277	24.8	19.9	29.9





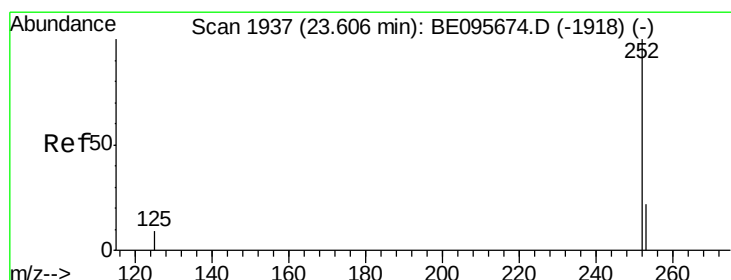
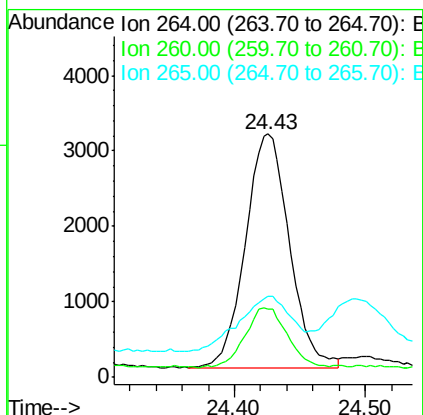
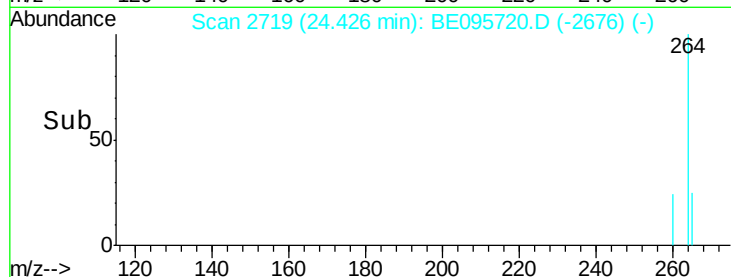
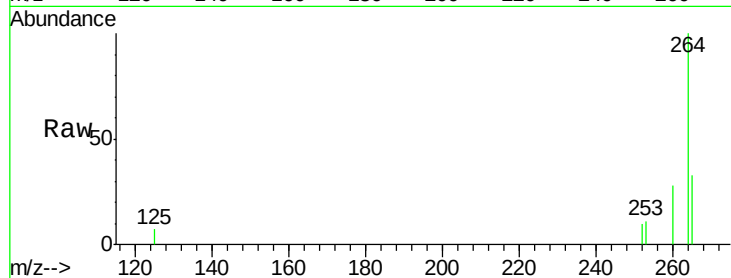
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.5	30.7
265	33.3	22.8	34.2

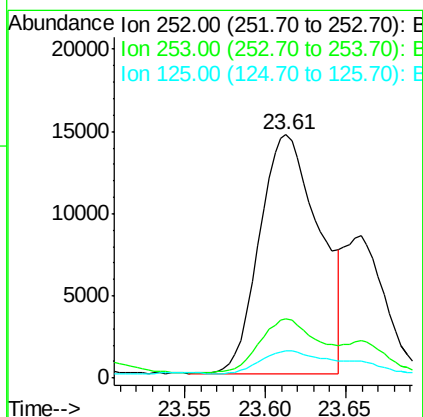
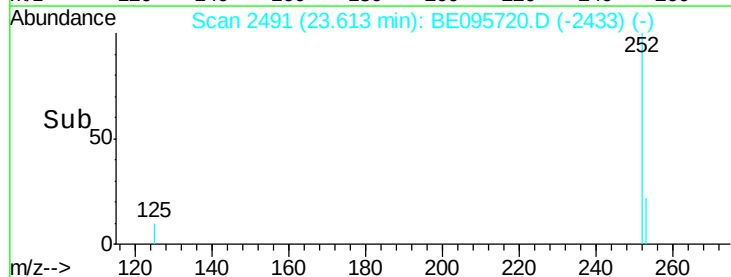
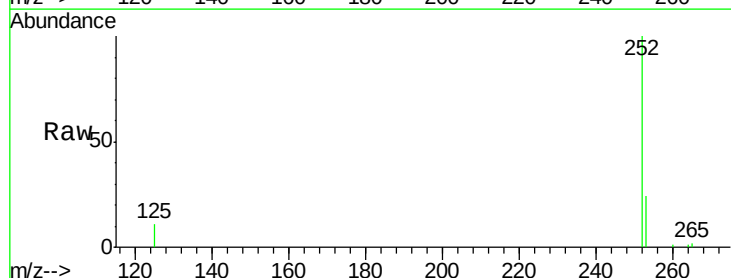
Manual Integrations
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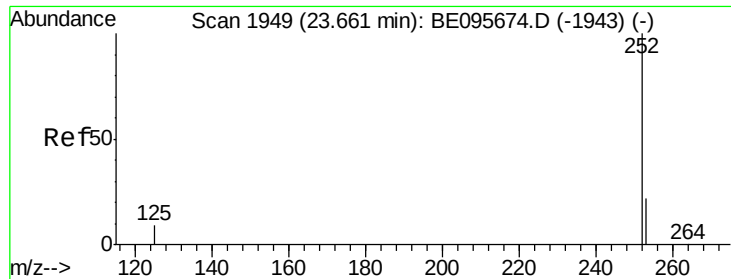
Sohil
3/8/2018 4:46:27 PM



#35
Benzo(b)fluoranthene
Concen: 1.450 ng
RT: 23.61 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.0	30.0
125	11.4	16.0	24.0





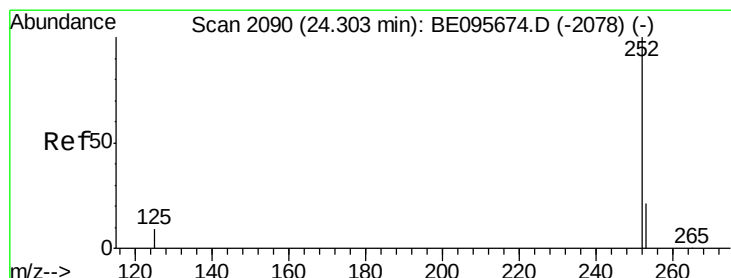
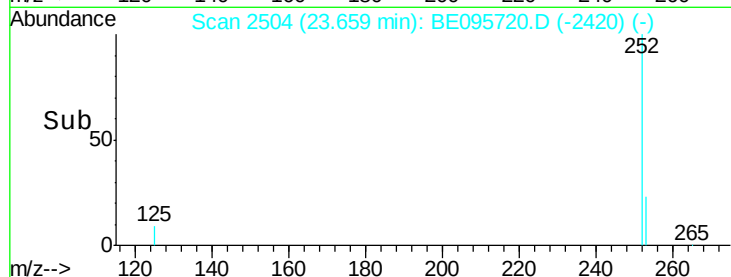
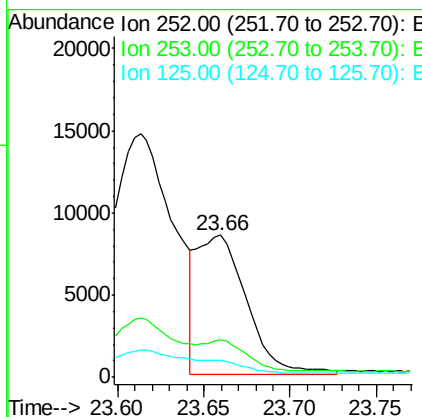
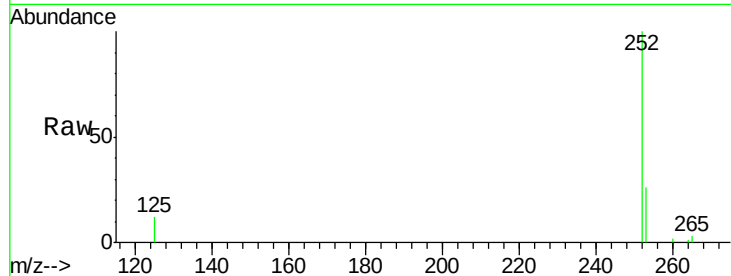
#36
Benzo(k)fluoranthene
Concen: 0.662 ng m
RT: 23.66 min Scan# 2504
Delta R.T. -0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	16.0	24.0#
125	11.6	8.0	12.0

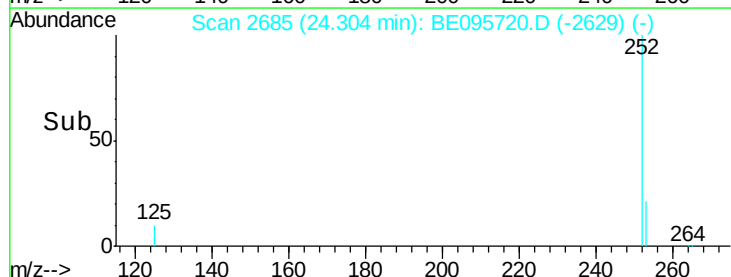
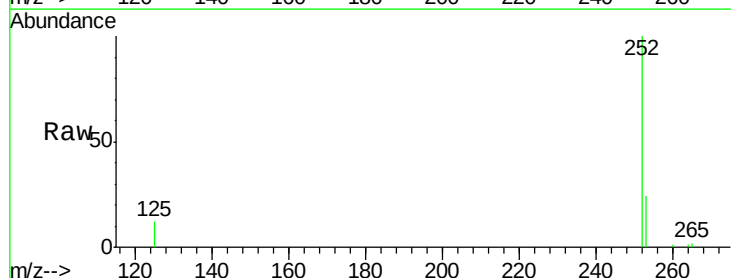
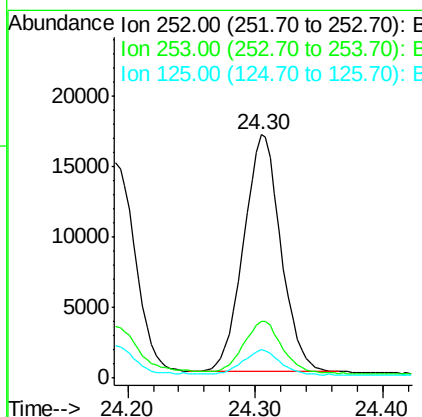
Manual Integrations
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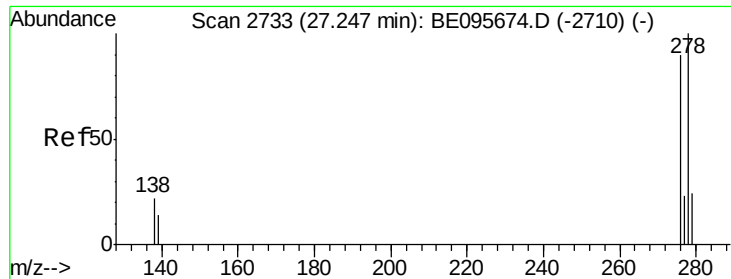
Sohil
3/8/2018 4:46:27 PM



#37
Benzo(a)pyrene
Concen: 1.460 ng m
RT: 24.30 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.0	24.0
125	11.6	12.0	18.0#





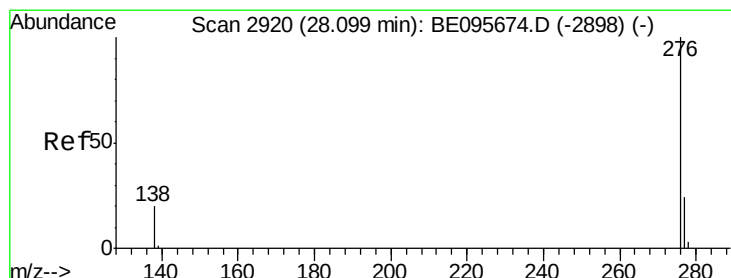
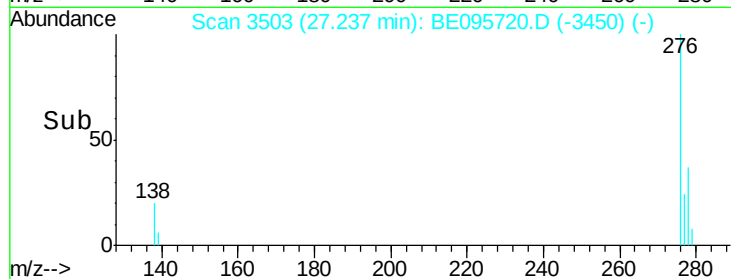
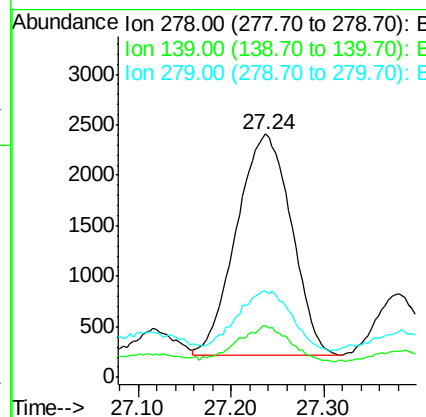
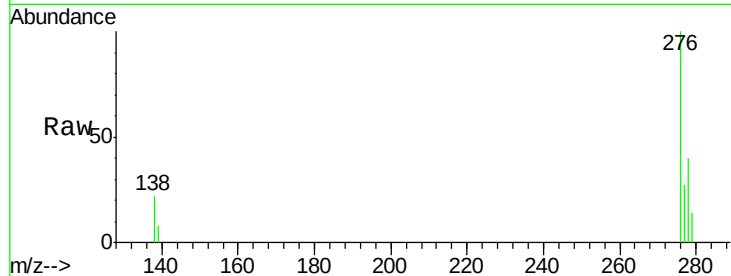
#38
Dibenzo(a,h)anthracene
Concen: 0.434 ng
RT: 27.24 min Scan# 3503
Delta R.T. -0.01 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Instrument :
BNA_E
ClientSampleId :
T-7_030518

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	16.0	24.0
279	35.5	20.0	30.0

Manual Integrations
APPROVED

Sohil
3/8/2018 4:46:27 PM



#39
Benzo(g,h,i)perylene
Concen: 1.433 ng
RT: 28.10 min Scan# 3746
Delta R.T. 0.00 min
Lab File: BE095720.D
Acq: 7 Mar 2018 12:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0
138	21.3	20.0	30.0

