

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095708.D
 Acq On : 6 Mar 2018 21:34
 Operator : SJ/JU
 Sample : J1811-04 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-4_030518

Manual Integrations
 APPROVED

Sohil
 3/7/2018 12:20:19 PM

Quant Time: Mar 07 01:59:57 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	1431	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	5652	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3324	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7601	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7685	0.40	ng	0.01
34) Perylene-d12	24.43	264	7177	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	40	0.01	ng	0.00
5) Phenol-d6	7.56	99	51	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	83	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	12.72	152	5	0.00	ng	-0.09
14) 2,4,6-Tribromophenol	16.47	330	12	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.64	172	155	0.01	ng	0.00
25) Fluoranthene-d10	19.68	212	694	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	130	0.01	ng	0.00
Target Compounds						
12) 2-Methylnaphthalene	12.87	142	353	0.031	ng	Qvalue # 92
23) Phenanthrene	17.75	178	5790	0.244	ng	98
24) Anthracene	17.84	178	683	0.031	ng	94
26) Fluoranthene	19.72	202	4739	0.162	ng	96
28) Pyrene	20.06	202	10203	0.325	ng	98
30) Benzo(a)anthracene	21.78	228	3214	0.128	ng	96
31) Chrysene	21.84	228	3637	0.146	ng	# 93
33) Indeno(1,2,3-cd)pyrene	27.22	276	2053	0.085	ng	# 82
35) Benzo(b)fluoranthene	23.61	252	3853	0.151	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	1184m	0.047	ng	
37) Benzo(a)pyrene	24.31	252	3048	0.132	ng	# 90
38) Dibenzo(a,h)anthracene	27.24	278	1096	0.053	ng	# 68
39) Benzo(a,h,i)perylene	28.10	276	2929	0.133	ng	# 88

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

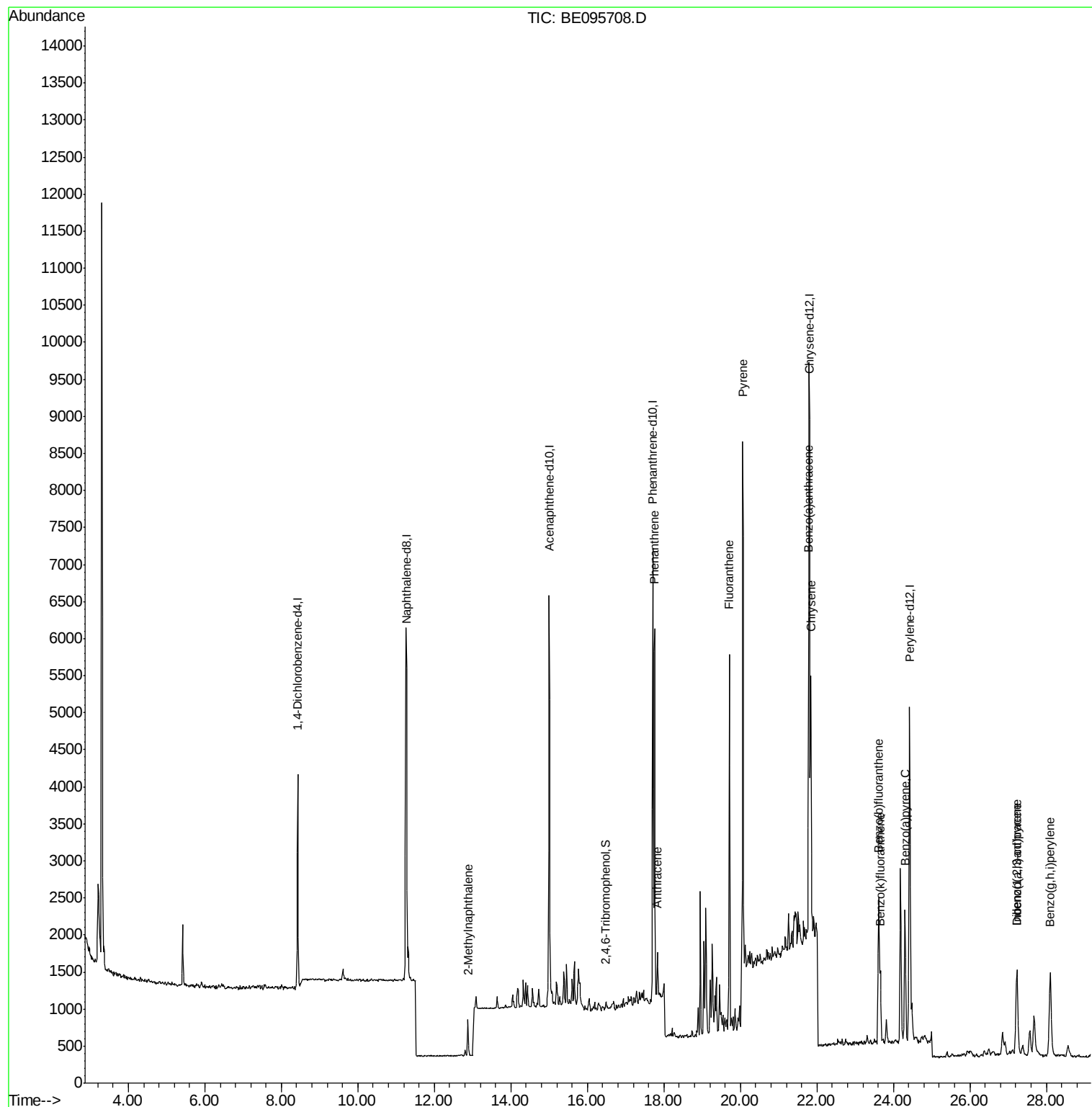
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE022318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

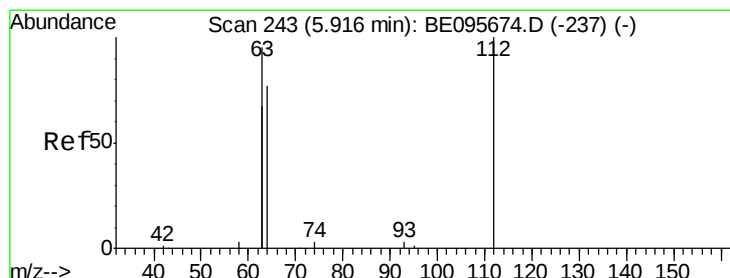
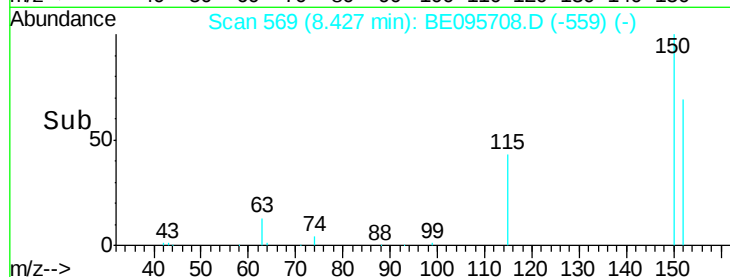
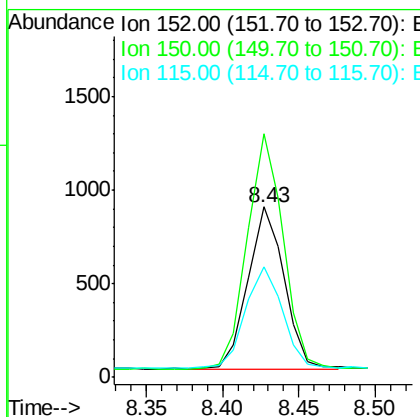
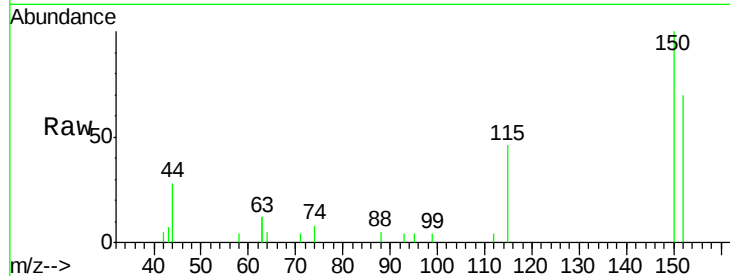
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.1	117.2	175.8
115	65.1	57.0	85.6

Manual Integrations
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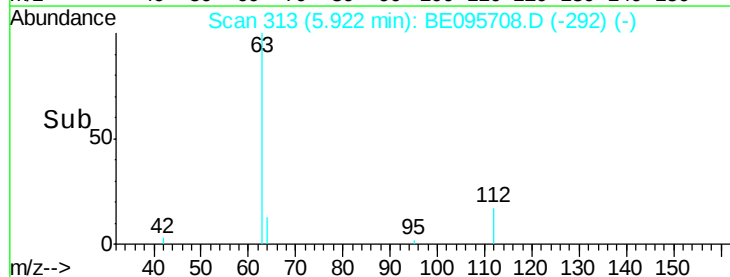
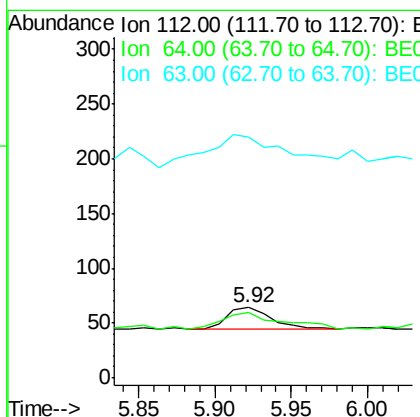
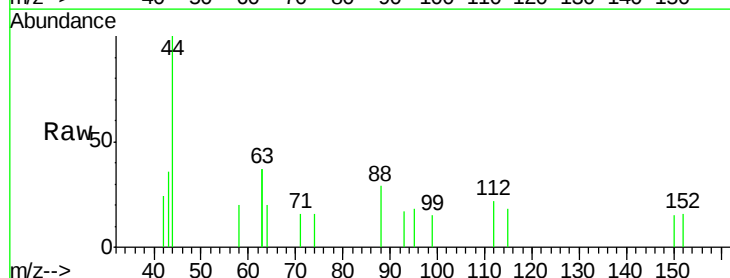
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#4

2-Fluorophenol
Concen: 0.011 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	95.0	60.1	90.1#
63	280.0	116.8	175.2#





#5

Phenol-d6

Concen: 0.010 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095708.D

Acq: 6 Mar 2018 21:34

Instrument :

BNA_E

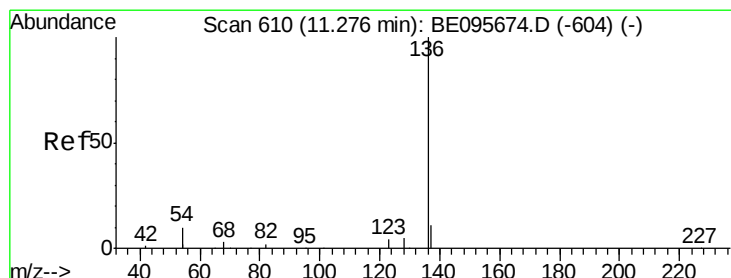
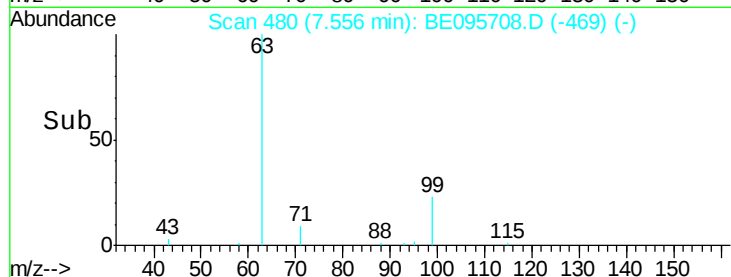
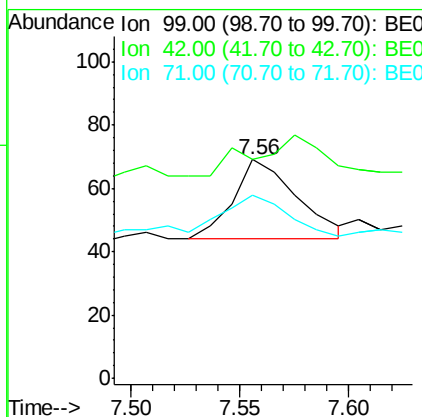
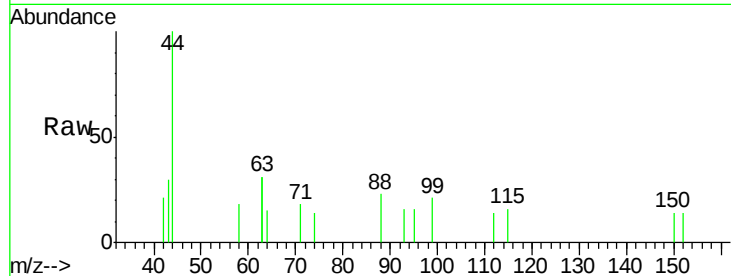
ClientSampled :

T-4_030518

Tot Ion:	99	Resp:	51
Ion	Ratio	Lower	Upper
99	100		
42	60.8	20.2	30.2#
71	54.9	28.4	42.6#

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

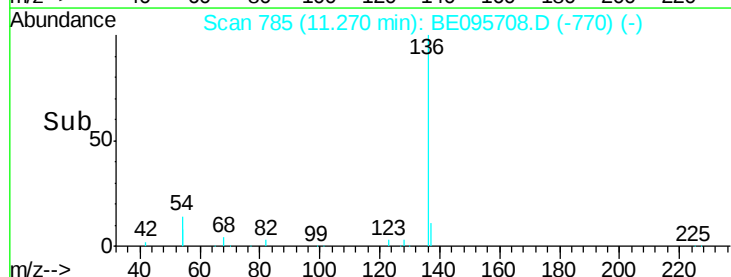
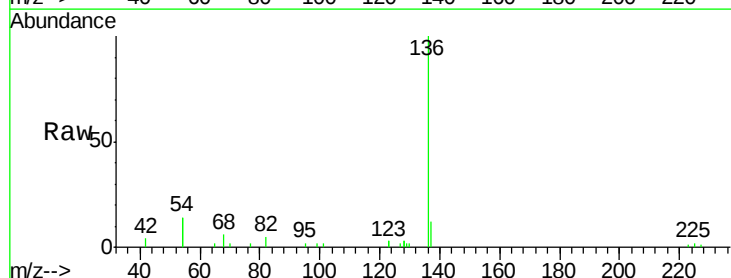
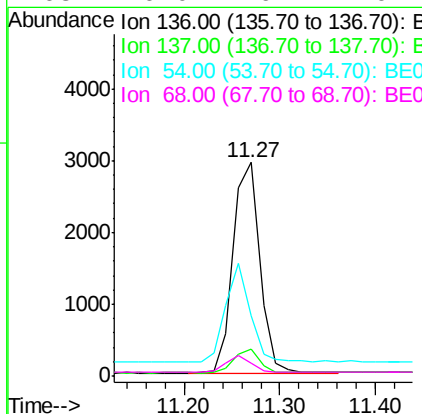
RT: 11.27 min Scan# 785

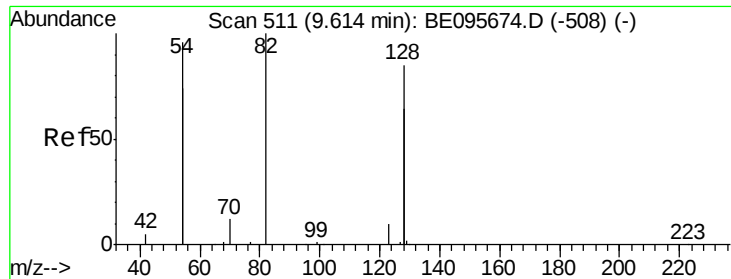
Delta R.T. -0.01 min

Lab File: BE095708.D

Acq: 6 Mar 2018 21:34

Tgt Ion:	136	Resp:	5652
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	28.3	29.1	43.7#
68	6.0	6.2	9.2#





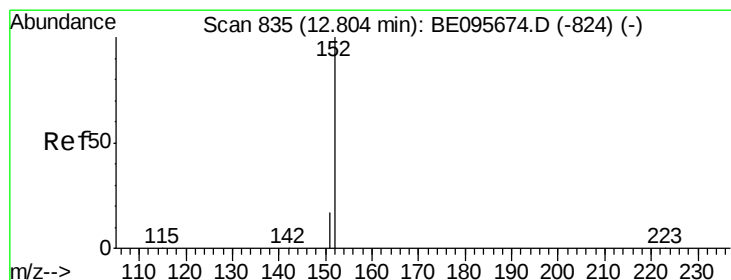
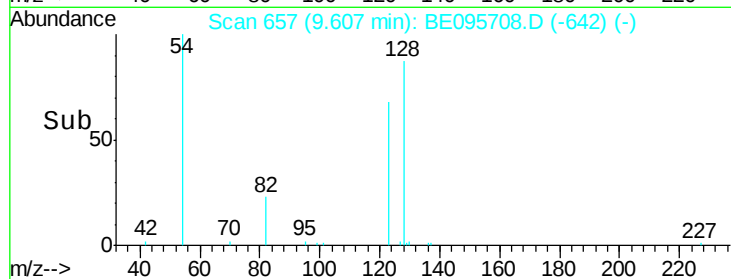
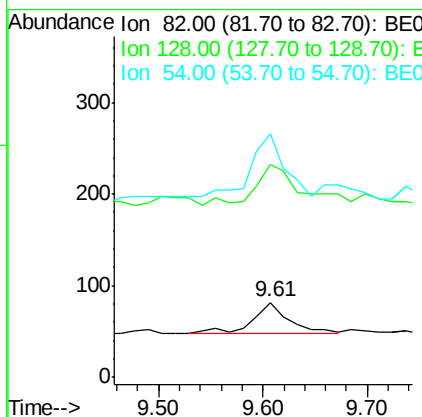
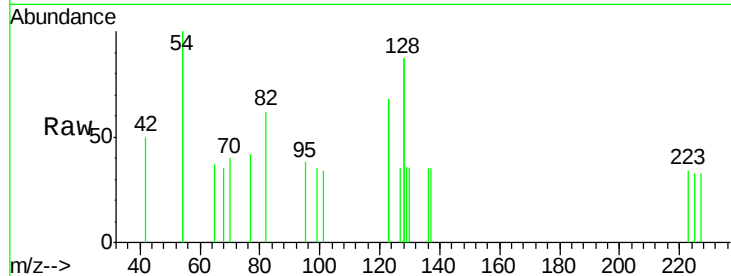
#8
 Nitrobenzene-d5
 Concen: 0.014 ng
 RT: 9.61 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Instrument :
 BNA_E
 ClientSampleId :
 T-4_030518

Tot Ion	82.00	Resp	83
Ion Ratio	100	Lower	Upper
128	282.9	150.0	225.0#
54	324.4	154.2	231.4#

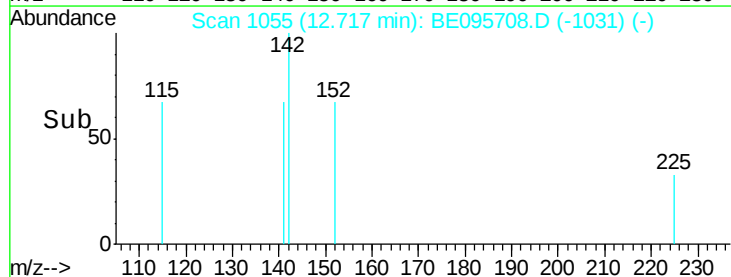
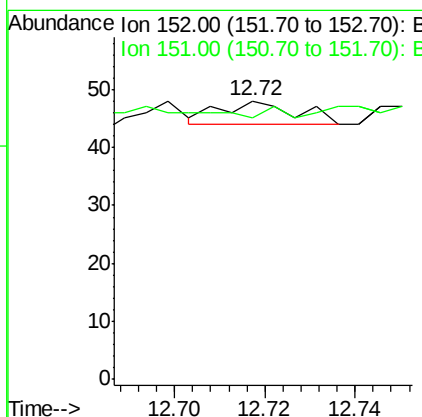
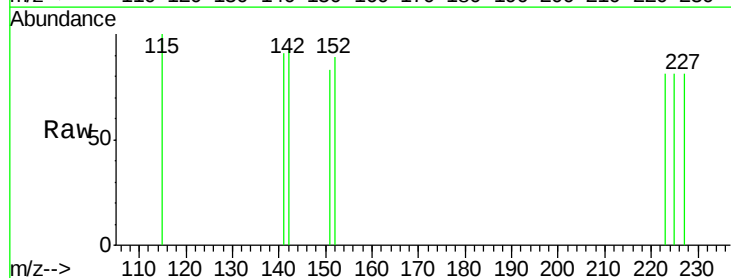
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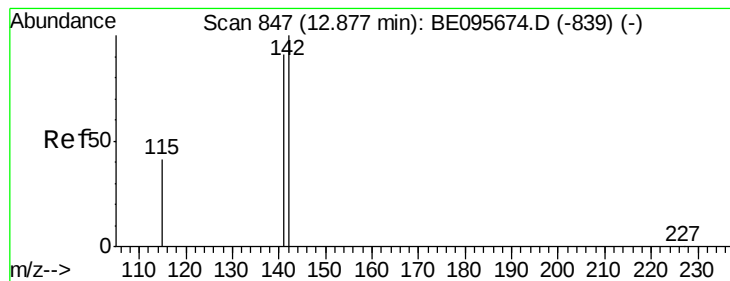
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#11
 2-Methylnaphthalene-d10
 Concen: 0.001 ng
 RT: 12.72 min Scan# 1055
 Delta R.T. -0.09 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Tgt Ion	152.00	Resp	5
Ion Ratio	100	Lower	Upper
152	100	15.4	23.0
151	20.0	15.4	23.0





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095708.D

Acq: 6 Mar 2018 21:34

Instrument :

BNA_E

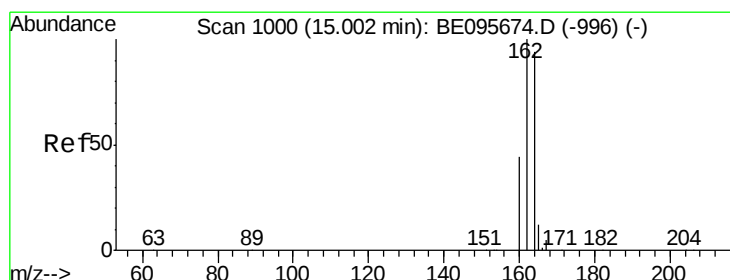
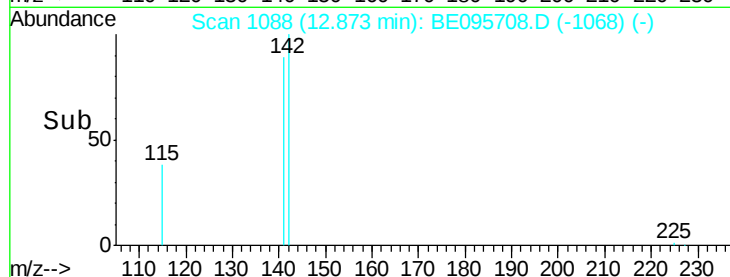
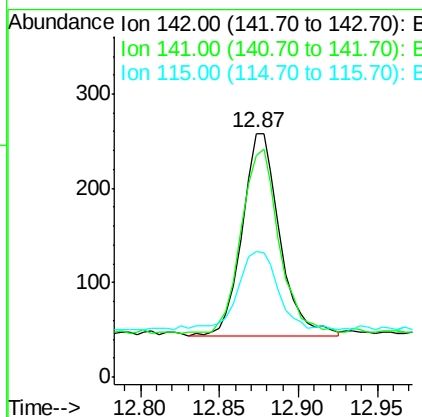
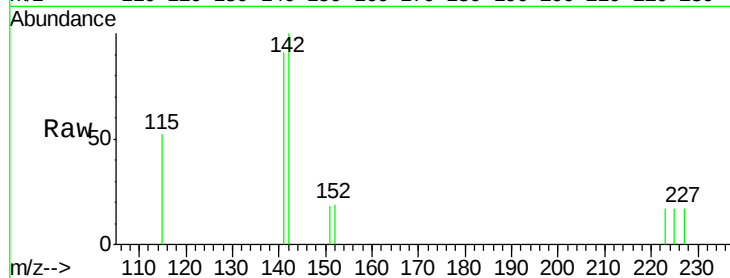
ClientSampled :

T-4_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.1	70.4	105.6
115	51.6	31.7	47.5

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#13

Acenaphthene-d10

Concen: 0.400 ng

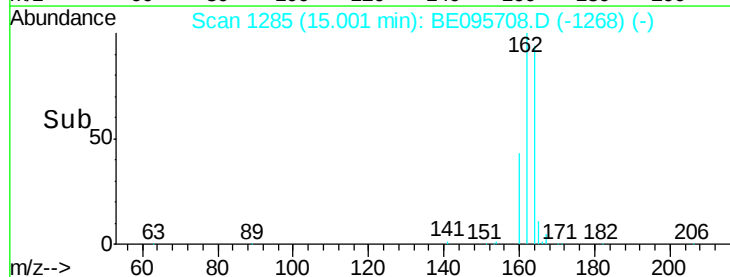
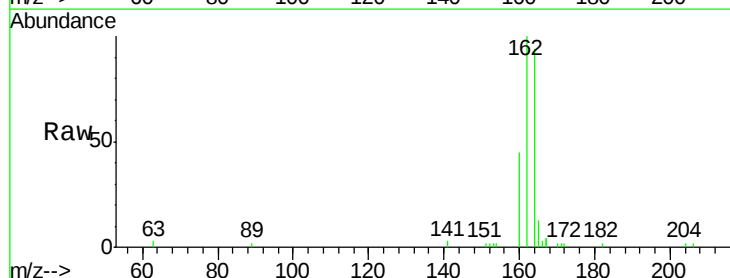
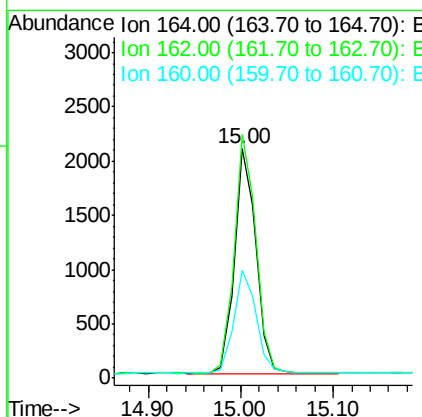
RT: 15.00 min Scan# 1285

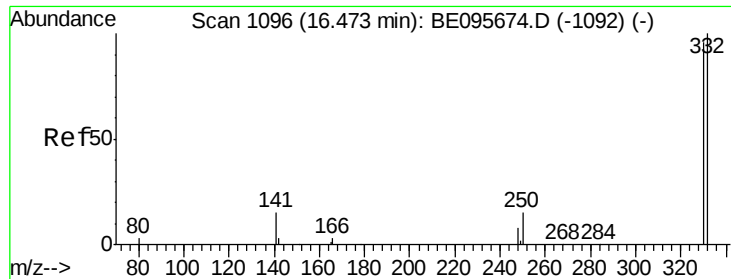
Delta R.T. -0.00 min

Lab File: BE095708.D

Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	83.1	124.7
160	47.3	37.1	55.7





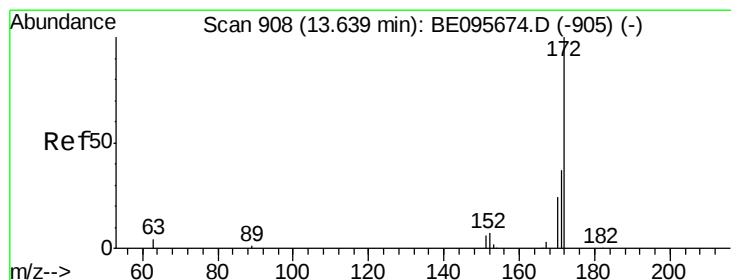
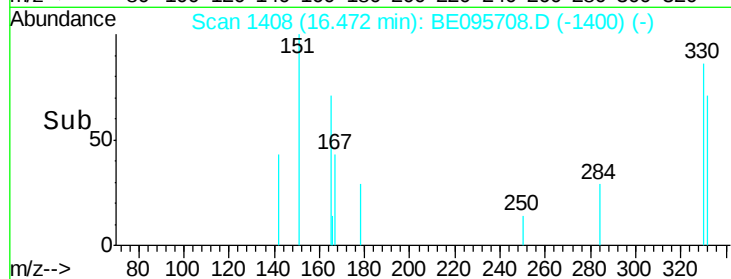
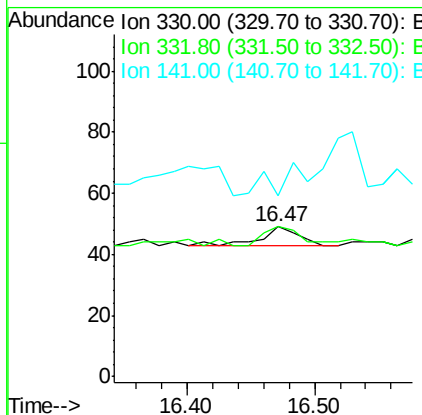
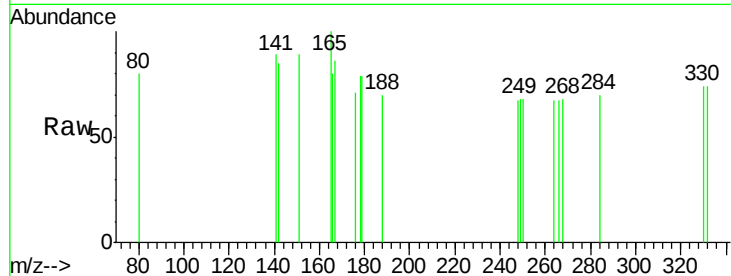
#14
 2,4,6-Tribromophenol
 Concen: 0.123 ng
 RT: 16.47 min Scan# 1408
 Delta R.T. -0.00 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Instrument :
 BNA_E
 ClientSampleId :
 T-4_030518

Tot Ion:330 Resp: 12
 Ion Ratio Lower Upper
 330 100
 332 100.0 152.7 229.1#
 141 0.0 33.7 50.5#

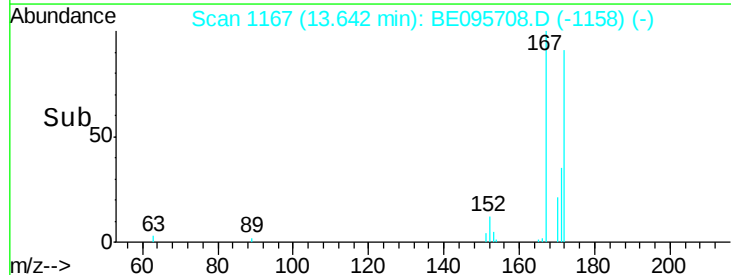
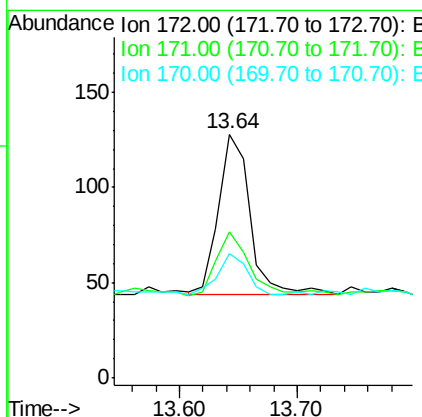
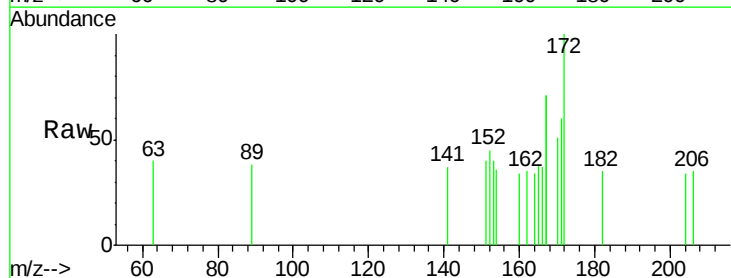
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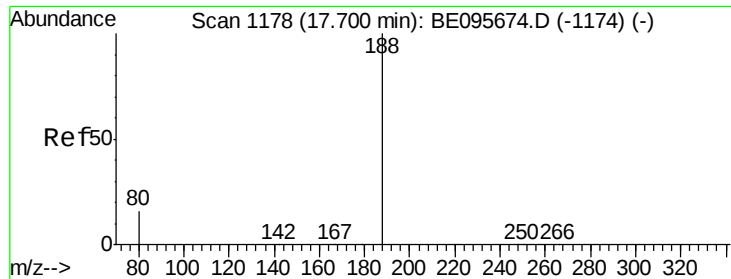
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#15
 2-Fluorobiphenyl
 Concen: 0.010 ng
 RT: 13.64 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Tgt Ion:172 Resp: 155
 Ion Ratio Lower Upper
 172 100
 171 60.2 29.9 44.9#
 170 50.8 21.8 32.8#





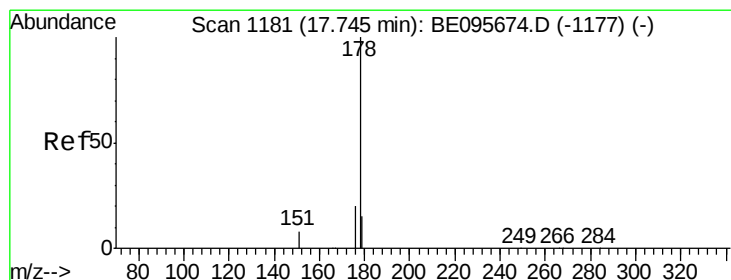
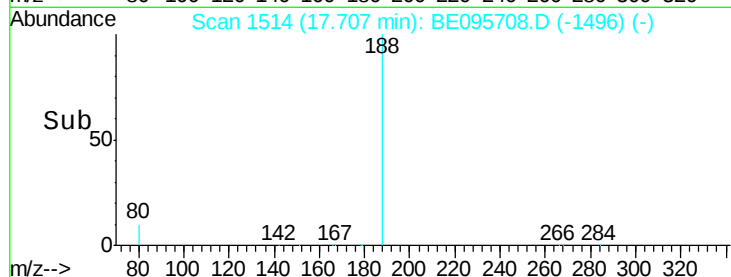
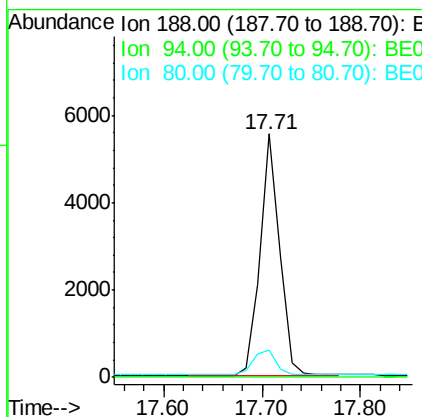
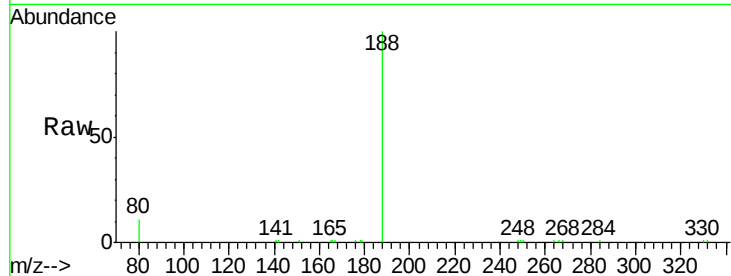
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.2	3.6	5.4#

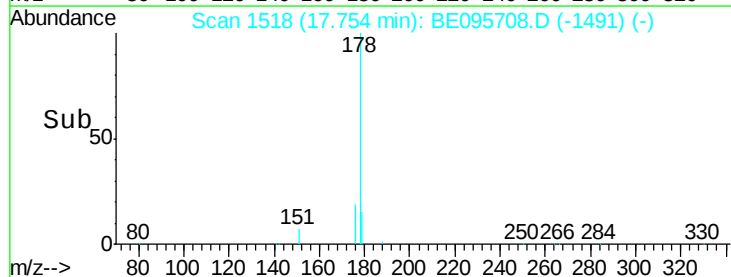
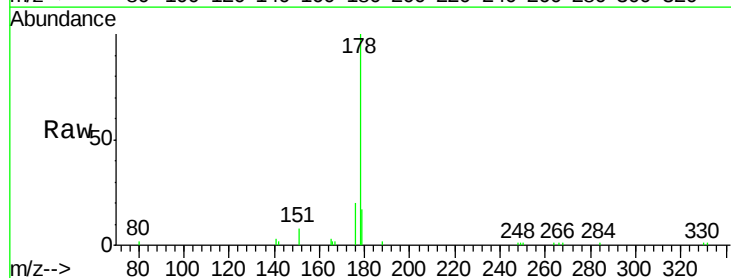
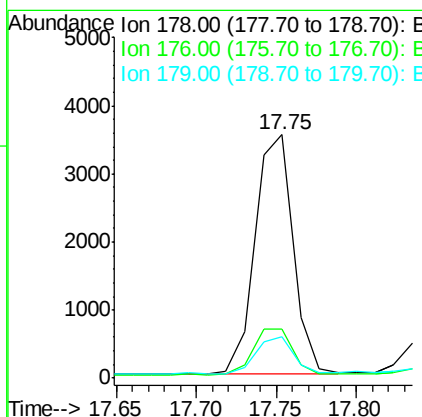
Manual Integrations
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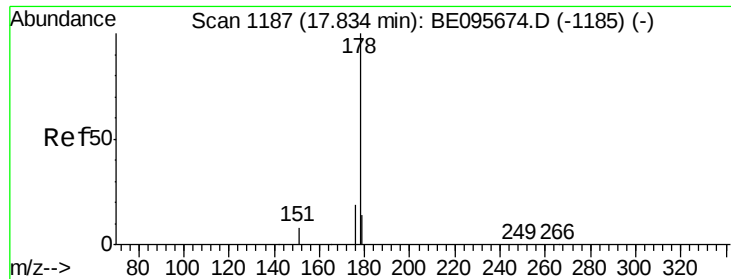
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#23
Phenanthrene
Concen: 0.244 ng
RT: 17.75 min Scan# 1518
Delta R.T. 0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.7	11.8	17.6





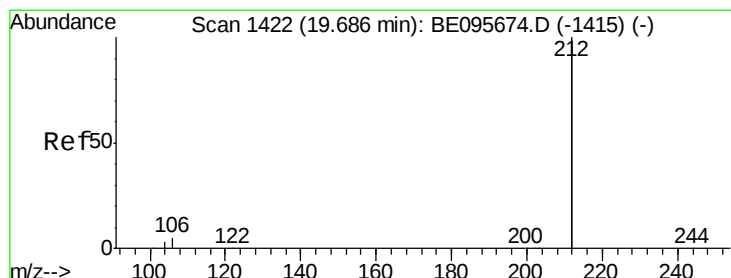
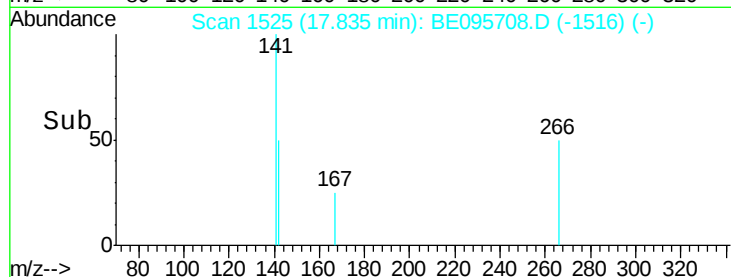
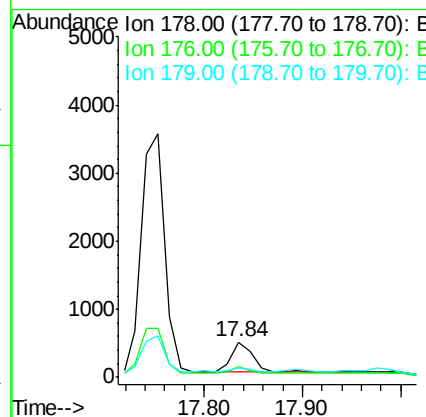
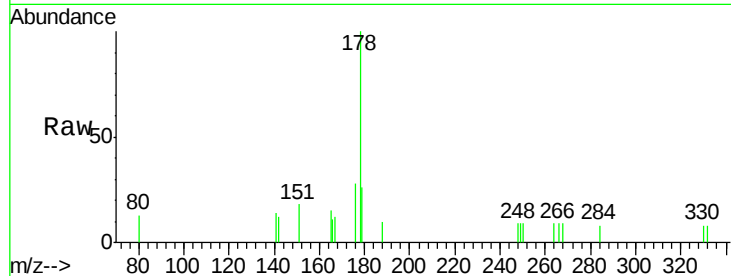
#24
 Anthracene
 Concen: 0.031 ng
 RT: 17.84 min Scan# 1525
 Delta R.T. 0.00 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Instrument :
 BNA_E
 ClientSampleId :
 T-4_030518

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	12.8	19.2
179	14.1	13.0	19.6

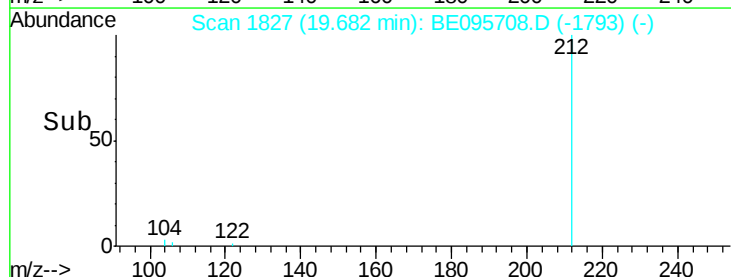
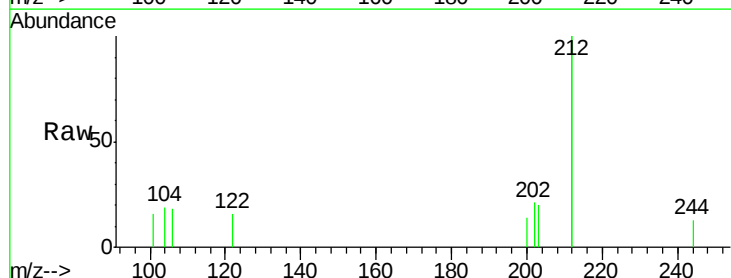
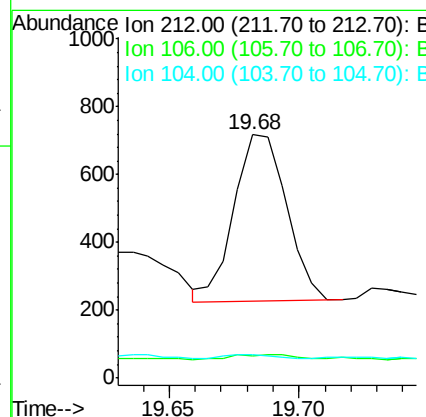
Manual Integrations
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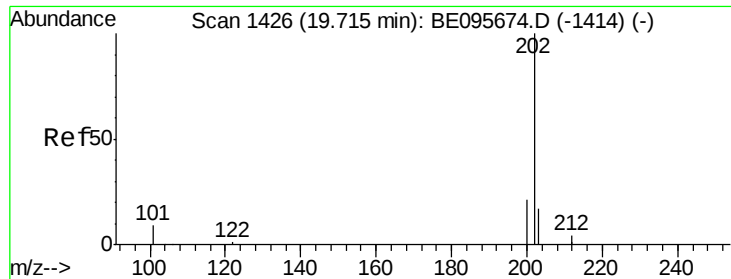
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#25
 Fluoranthene-d10
 Concen: 0.007 ng
 RT: 19.68 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.7	2.8	4.2
104	2.6	1.6	2.4#





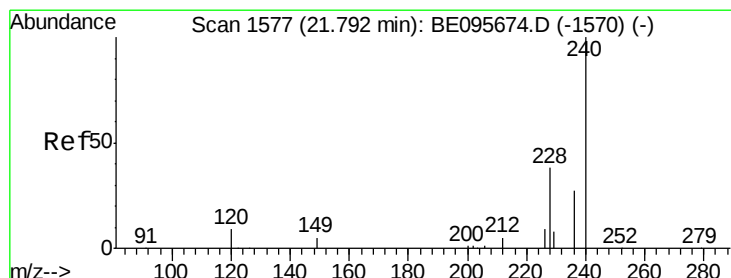
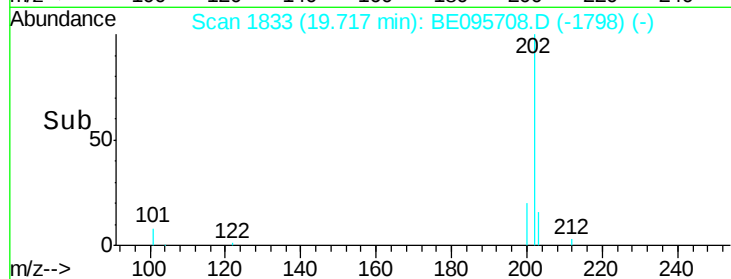
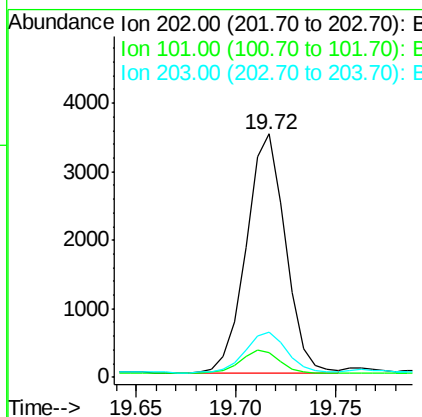
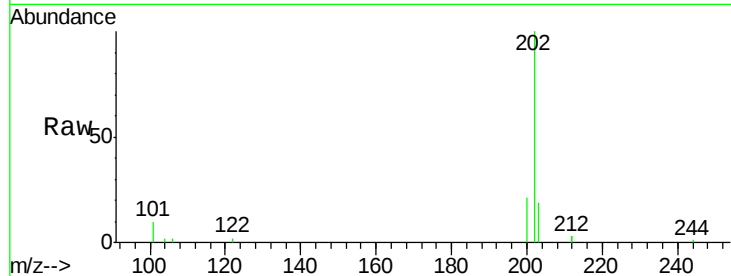
#26
Fluoranthene
 Concen: 0.162 ng
 RT: 19.72 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Instrument :
 BNA_E
 ClientSampleId :
 T-4_030518

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	9.8	14.8
203	18.4	13.7	20.5

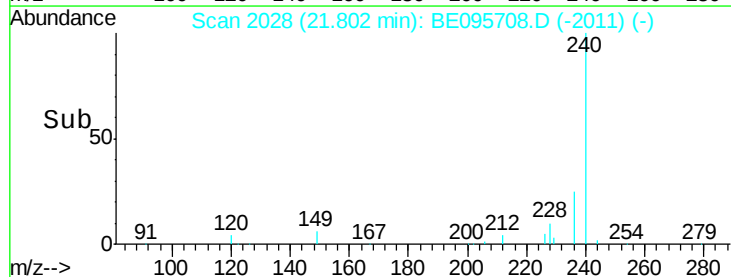
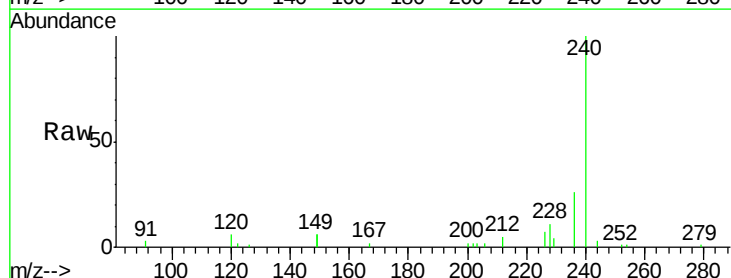
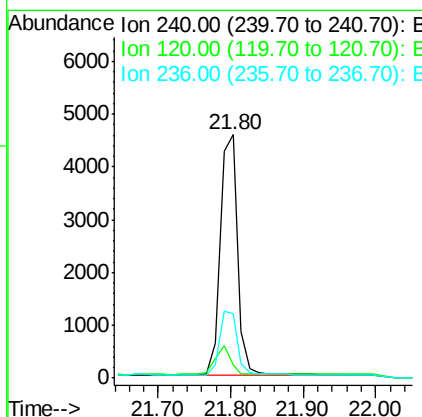
Manual Integrations
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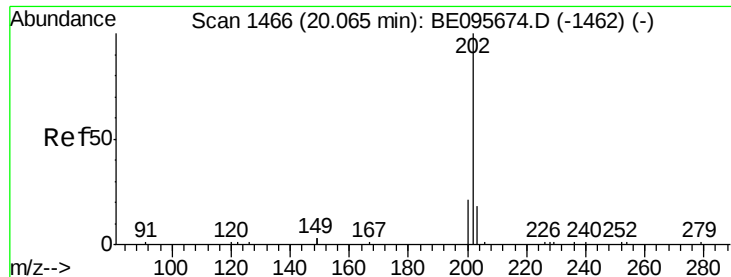
Sohil
 3/7/2018 12:20:19 PM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.80 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BE095708.D
 Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.6	5.5	8.3
236	26.3	20.7	31.1





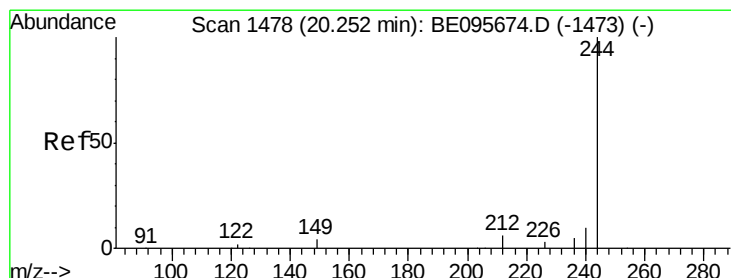
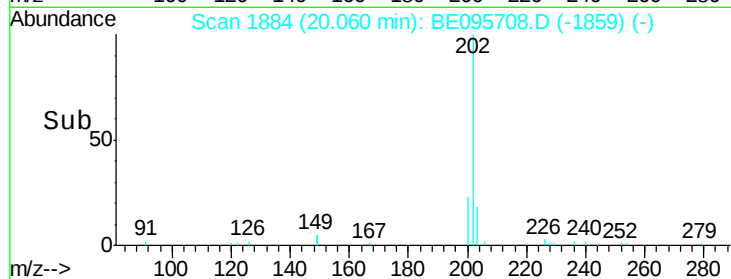
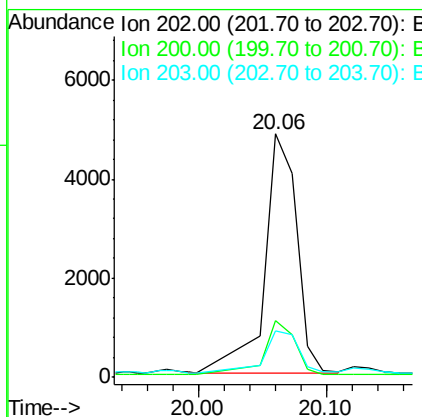
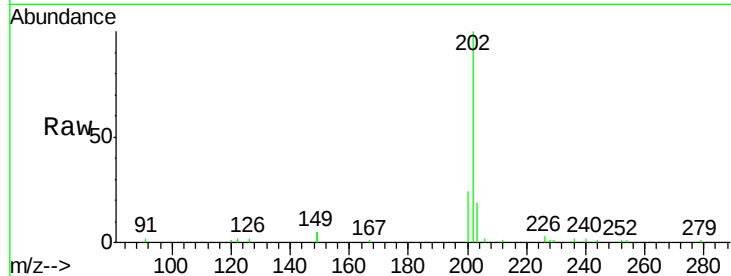
#28
Pvrene
Concen: 0.325 ng
RT: 20.06 min Scan# 1884
Delta R.T. -0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	18.7	13.8	20.8

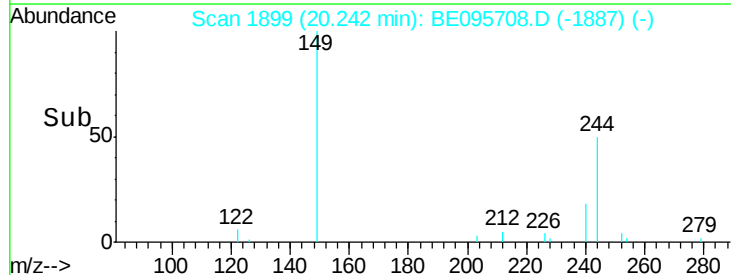
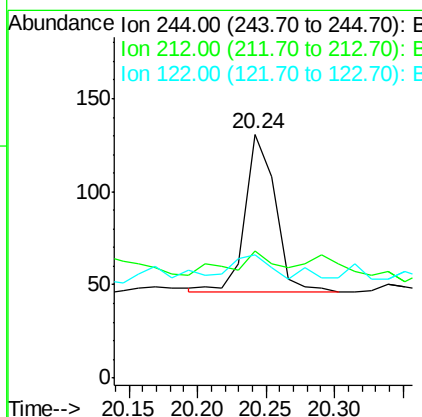
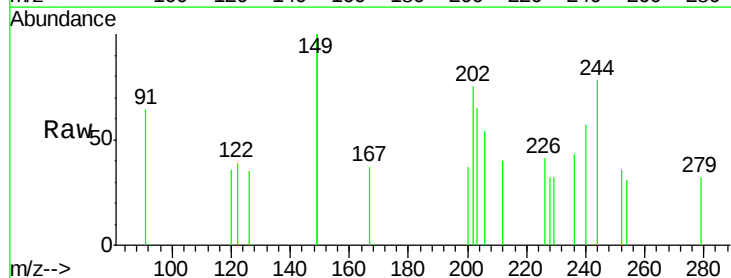
Manual Integrations
APPROVED

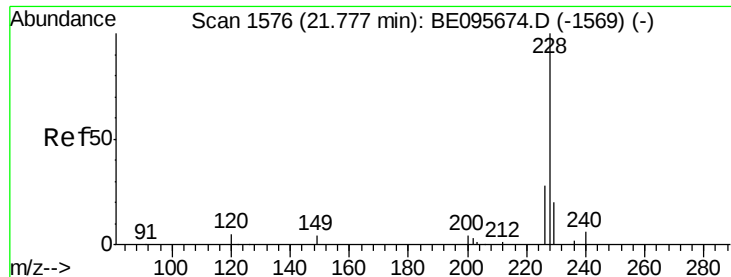
Sohil
3/7/2018 12:20:19 PM



#29
Terphenyl-d14
Concen: 0.008 ng
RT: 20.24 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	51.9	25.4	38.0#
122	50.4	8.1	12.1#





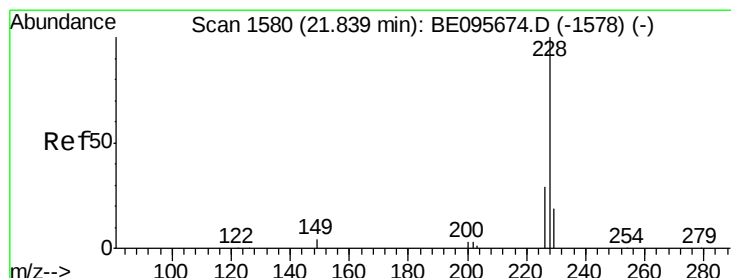
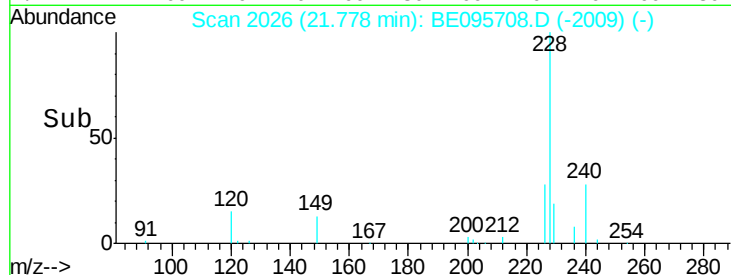
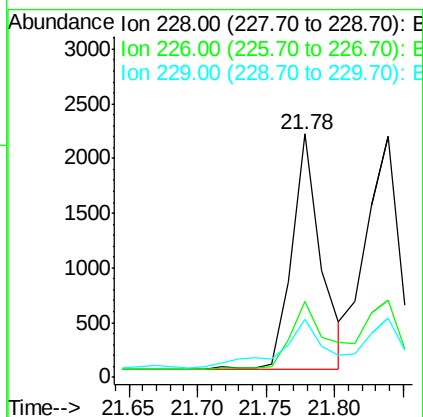
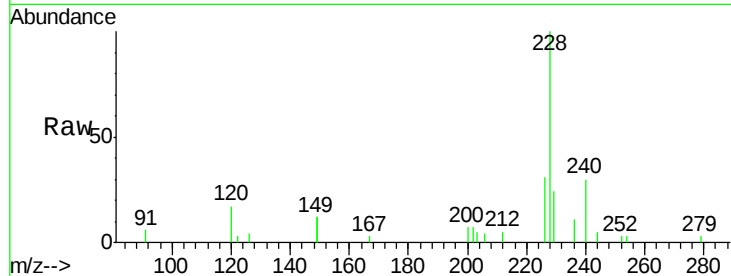
#30
Benzo(a)anthracene
Concen: 0.128 ng
RT: 21.78 min Scan# 2026
Delta R.T. 0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	23.7	16.0	24.0

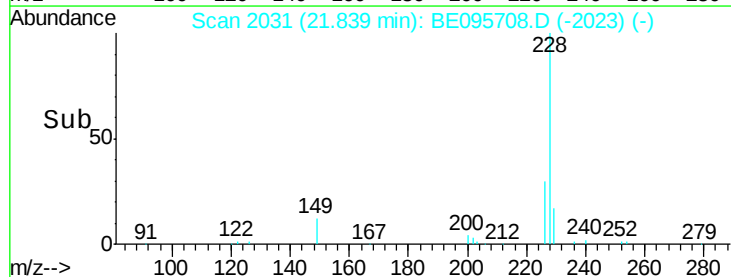
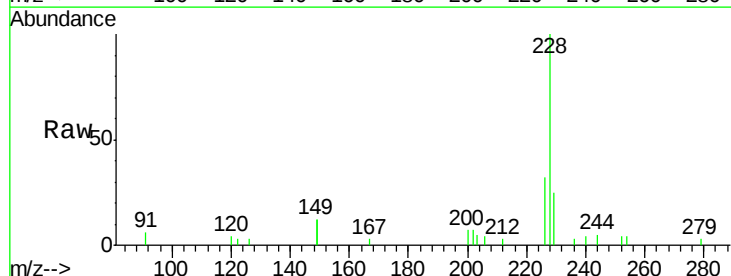
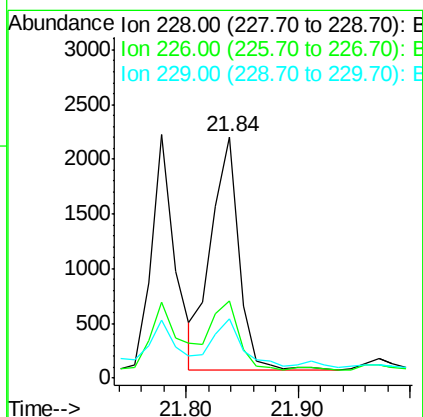
Manual Integrations
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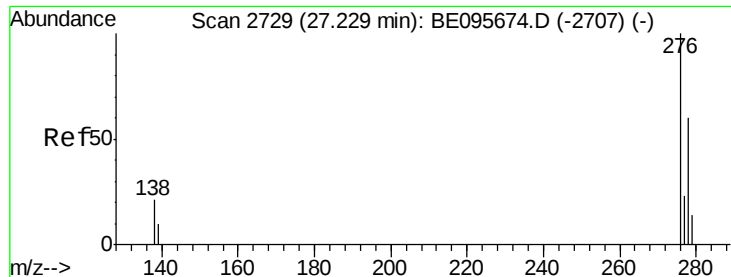
Sohil
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#31
Chrysene
Concen: 0.146 ng
RT: 21.84 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.0	36.0
229	24.8	16.0	24.0





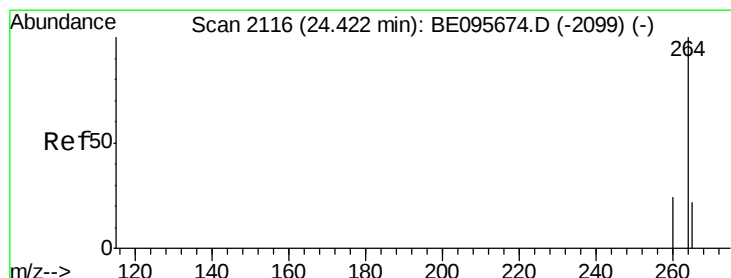
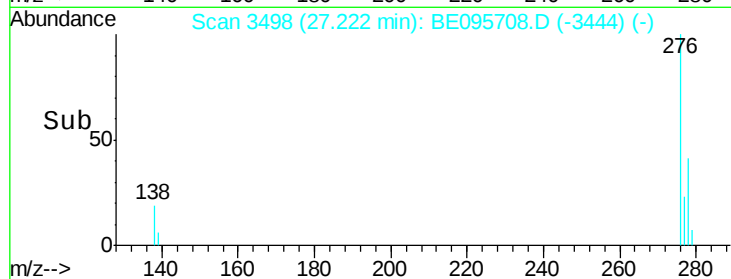
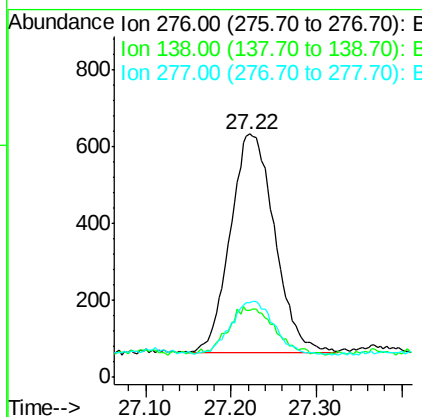
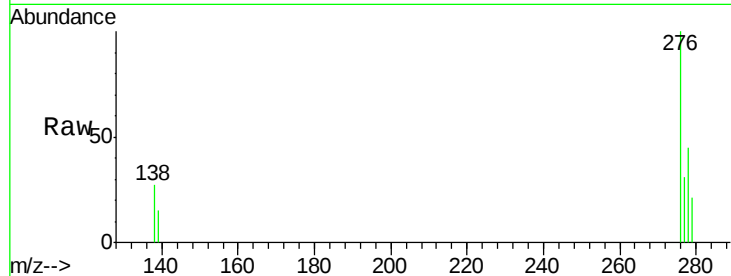
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.085 ng
RT: 27.22 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.8	22.5	33.7#
277	24.9	19.9	29.9

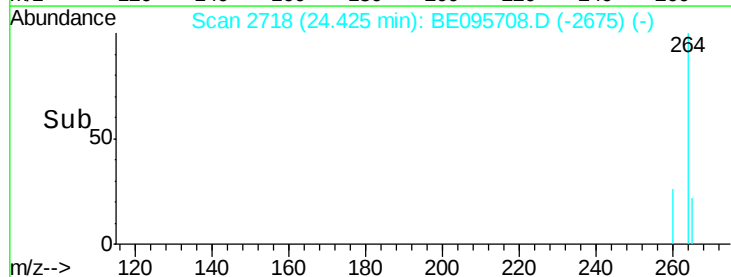
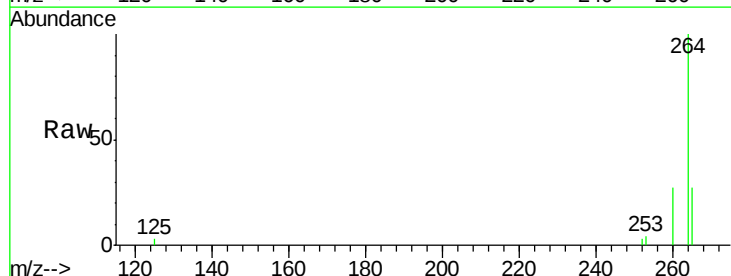
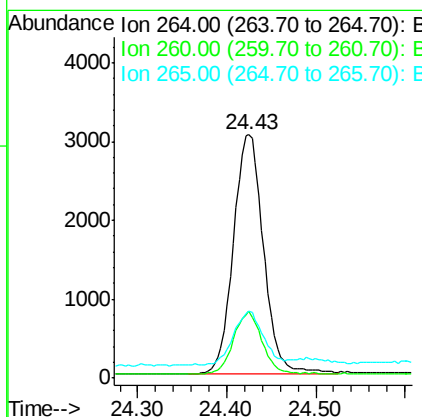
Manual Integrations
APPROVED

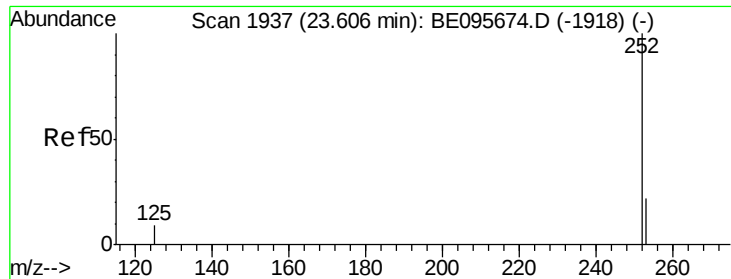
Sohil
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#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2718
Delta R.T. 0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.4	20.5	30.7
265	27.5	22.8	34.2





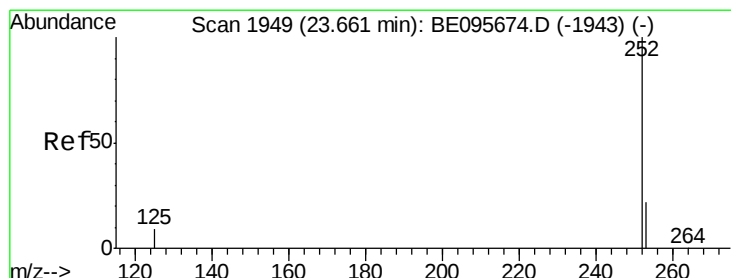
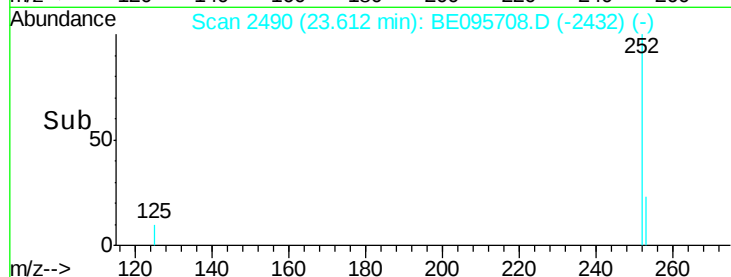
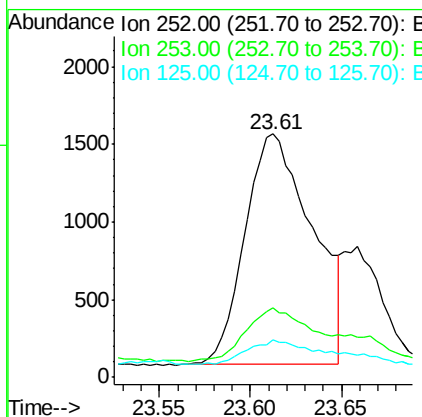
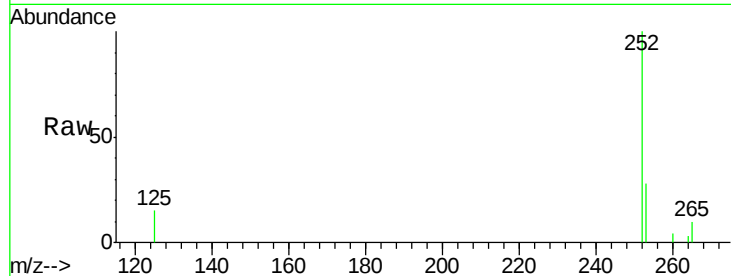
#35
Benzo(b)fluoranthene
Concen: 0.151 ng
RT: 23.61 min Scan# 2490
Delta R.T. 0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.5	20.0	30.0
125	15.2	16.0	24.0

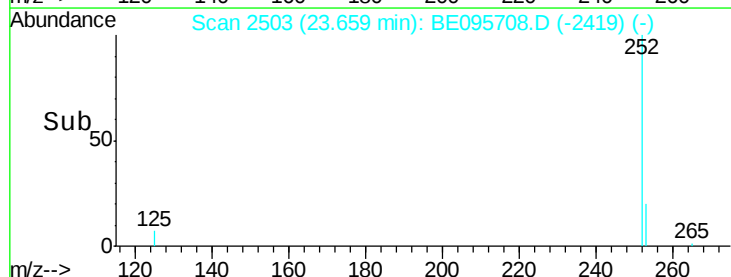
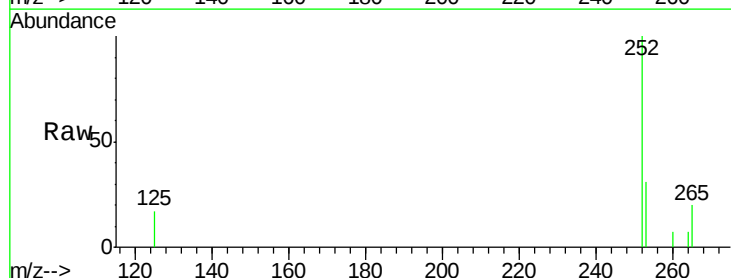
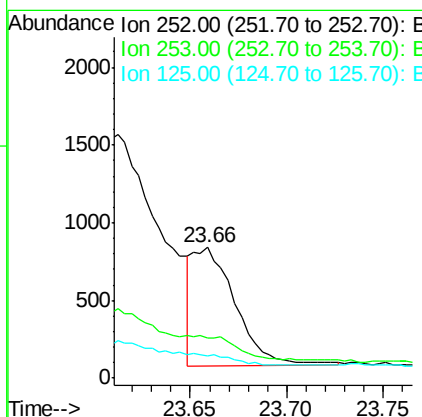
Manual Integrations
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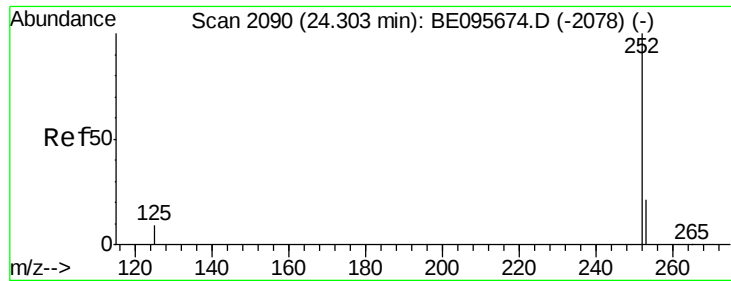
Sohil
3/7/2018 12:20:19 PM



#36
Benzo(k)fluoranthene
Concen: 0.047 ng m
RT: 23.66 min Scan# 2503
Delta R.T. -0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	16.0	24.0
125	16.7	8.0	12.0





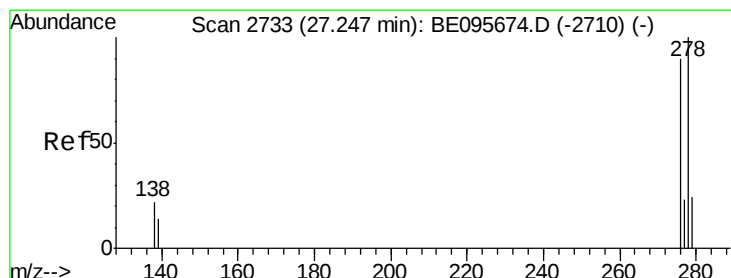
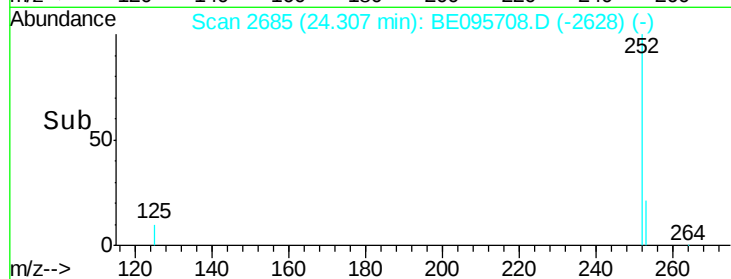
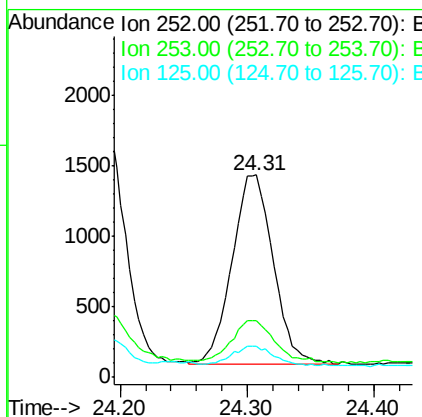
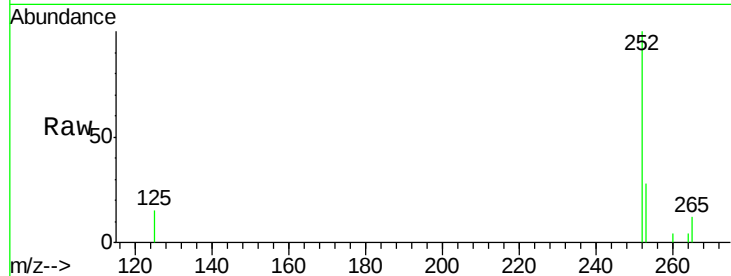
#37
Benzo(a)pyrene
Concen: 0.132 ng
RT: 24.31 min Scan# 2685
Delta R.T. 0.00 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Instrument :
BNA_E
ClientSampleId :
T-4_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	16.0	24.0#
125	15.3	12.0	18.0

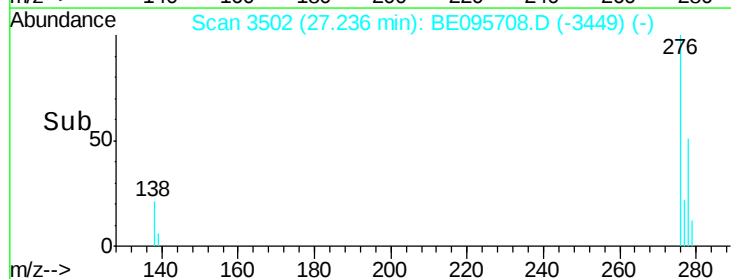
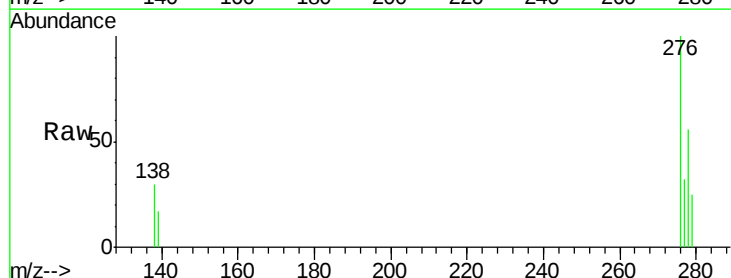
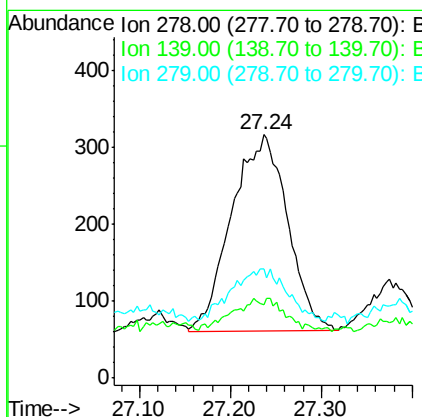
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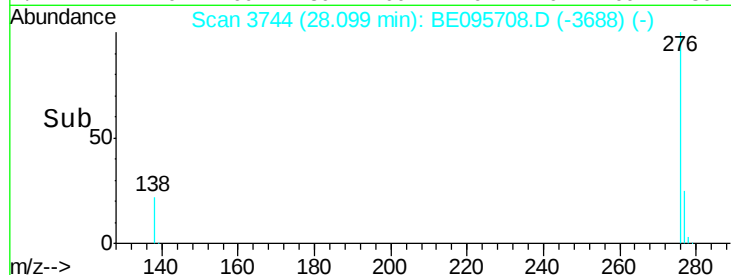
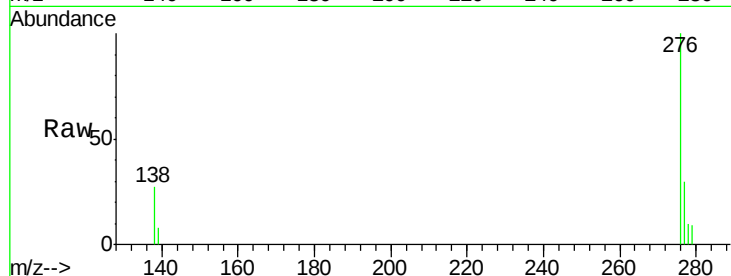
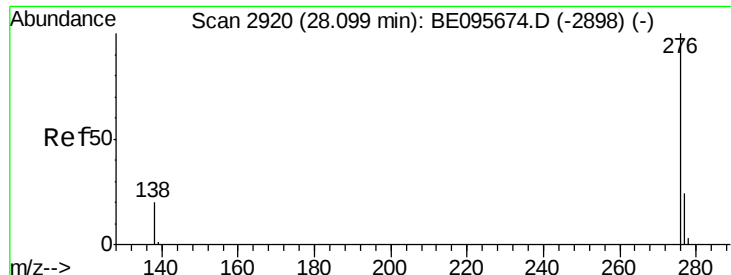
Sohil
3/7/2018 12:20:19 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.053 ng
RT: 27.24 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BE095708.D
Acq: 6 Mar 2018 21:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	30.0	16.0	24.0#
279	44.8	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.133 ng

RT: 28.10 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BE095708.D

Acq: 6 Mar 2018 21:34

Instrument :

BNA_E

ClientSampleId :

T-4_030518

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.0	16.0	24.0
138	27.0	20.0	30.0

Manual Integrations
APPROVED

Sohil
3/7/2018 12:20:19 PM

