

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
 Data File : BE095713.D
 Acq On : 7 Mar 2018 00:34
 Operator : SJ/JU
 Sample : J1811-09 20X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 T-9_030518

Manual Integrations
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Sohil
 3/7/2018 12:20:28 PM

Quant Time: Mar 07 03:00:56 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	1500	0.40	ng	0.00
7) Naphthalene-d8	11.27	136	6028	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	3506	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	7693	0.40	ng	0.00
27) Chrysene-d12	21.80	240	7897	0.40	ng	0.00
34) Perylene-d12	24.42	264	7446	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.92	112	43	0.01	ng	0.00
5) Phenol-d6	7.56	99	60	0.01	ng	0.00
8) Nitrobenzene-d5	9.61	82	94	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	135	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	196	0.01	ng	0.00
25) Fluoranthene-d10	19.69	212	1042	0.01	ng	0.00
29) Terphenyl-d14	20.24	244	214	0.01	ng	-0.01

Target Compounds				Qvalue		
12) 2-Methylnaphthalene	12.87	142	276	0.023	ng	# 81
16) Acenaphthylene	14.74	152	720	0.037	ng	# 94
23) Phenanthrene	17.75	178	9488	0.395	ng	98
24) Anthracene	17.83	178	2582	0.117	ng	94
26) Fluoranthene	19.72	202	31465	1.063	ng	# 97
28) Pyrene	20.07	202	37286	1.155	ng	96
30) Benzo(a)anthracene	21.78	228	17572	0.682	ng	97
31) Chrysene	21.84	228	15093	0.589	ng	97
32) Bis(2-ethylhexyl)phthalate	21.66	149	1678	0.037	ng	# 99
33) Indeno(1,2,3-cd)pyrene	27.22	276	7450	0.300	ng	# 91
35) Benzo(b)fluoranthene	23.61	252	16581	0.625	ng	# 92
36) Benzo(k)fluoranthene	23.66	252	6024m	0.228	ng	
37) Benzo(a)pyrene	24.30	252	13507	0.565	ng	# 92
38) Dibenzo(a,h)anthracene	27.23	278	2444	0.115	ng	# 77
39) Benzo(a,h,i)perylene	28.10	276	9259	0.406	ng	# 92

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

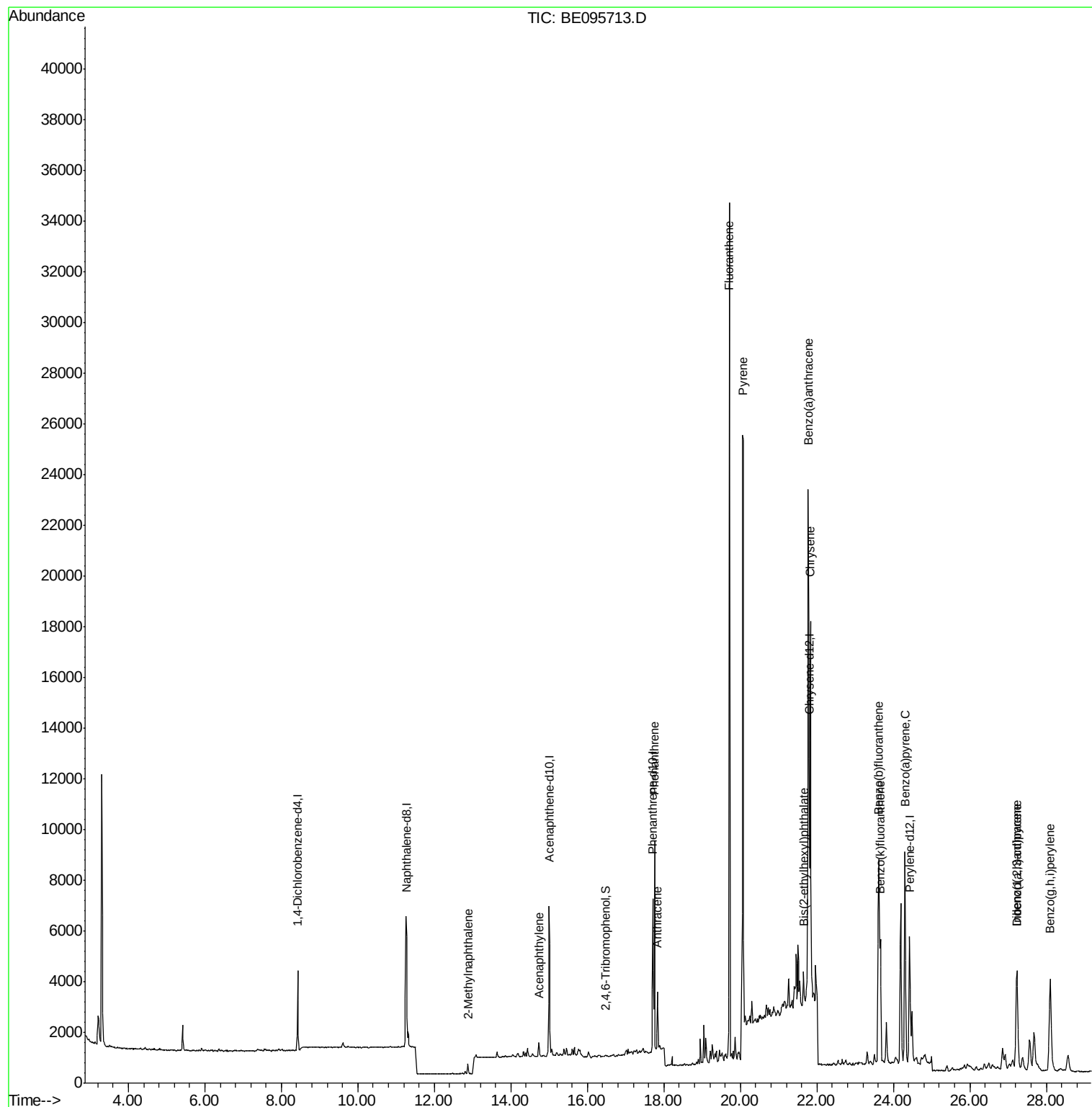
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA E\DATA\BE030618\
Data File : BE095713.D
Acq On : 7 Mar 2018 00:34
Operator : SJ/JU
Sample : J1811-09 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

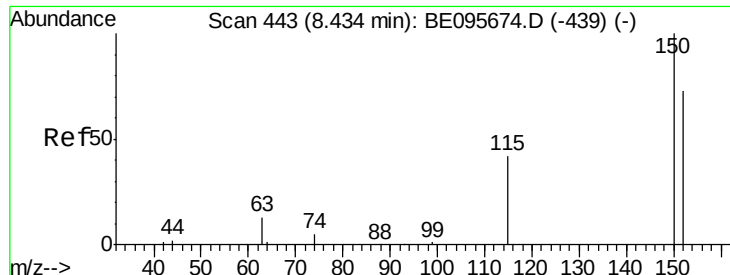
Instrument :
BNA_E
ClientSampleId :
T-9_030518

Manual Integrations
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3/7/2018 12:20:28 PM

Quant Time: Mar 07 03:00:56 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

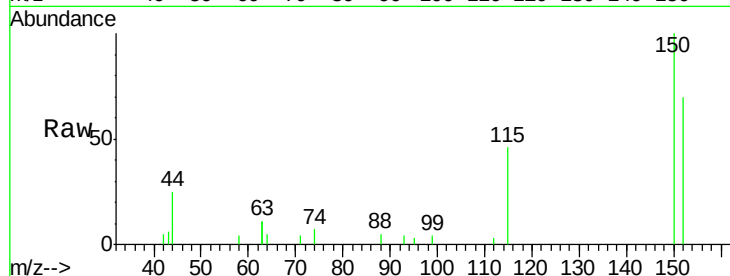
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_E
ClientSampleId :
T-9_030518

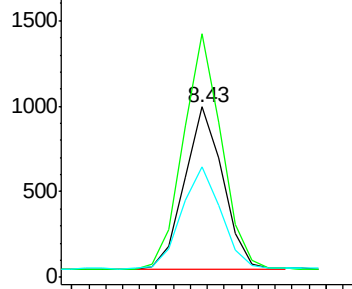
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.0	117.2	175.8
115	65.1	57.0	85.6

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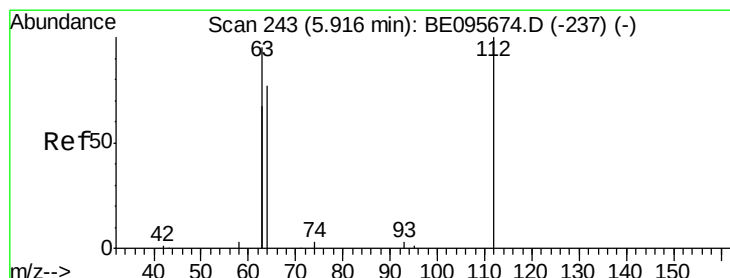
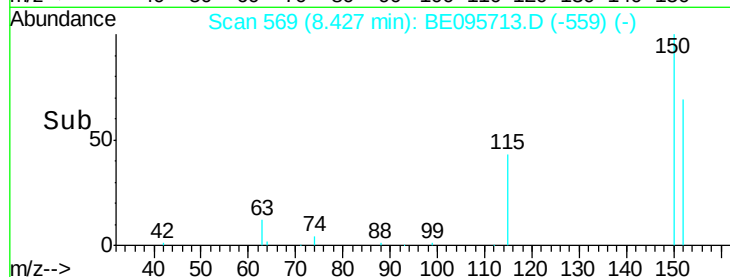
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



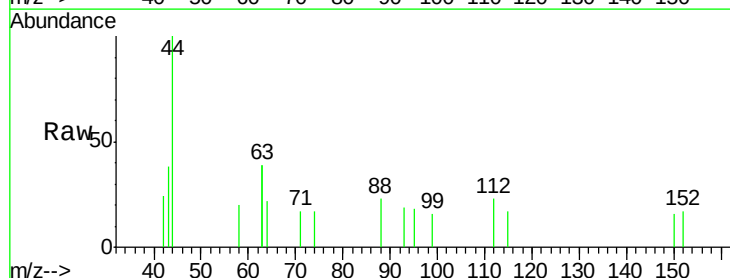
Time--> 8.35 8.40 8.45 8.50



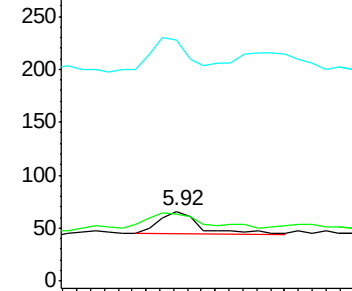
#4

2-Fluorophenol
Concen: 0.011 ng
RT: 5.92 min Scan# 313
Delta R.T. 0.01 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

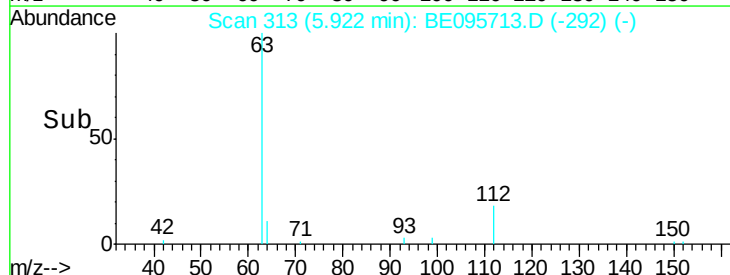
Tgt Ion	Ratio	Lower	Upper
112	100		
64	127.9	60.1	90.1#
63	137.2	116.8	175.2

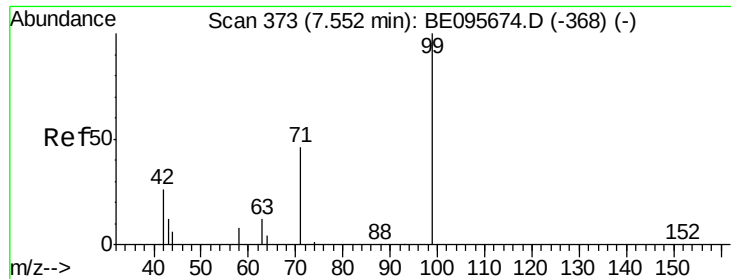


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time--> 5.85 5.90 5.95 6.00





#5

Phenol-d6

Concen: 0.011 ng

RT: 7.56 min Scan# 480

Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

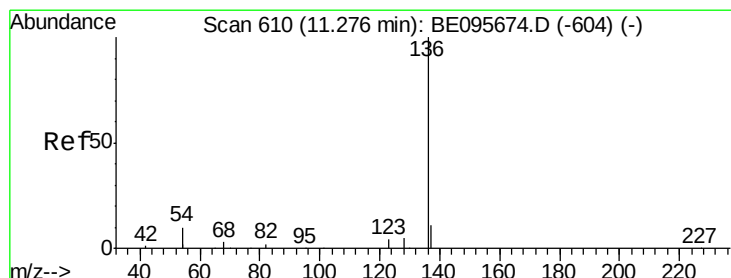
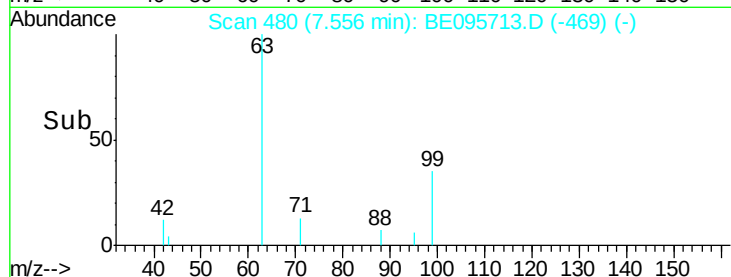
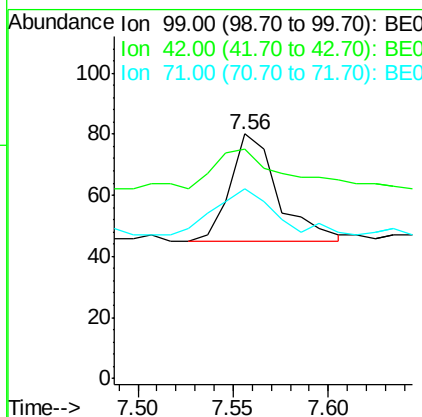
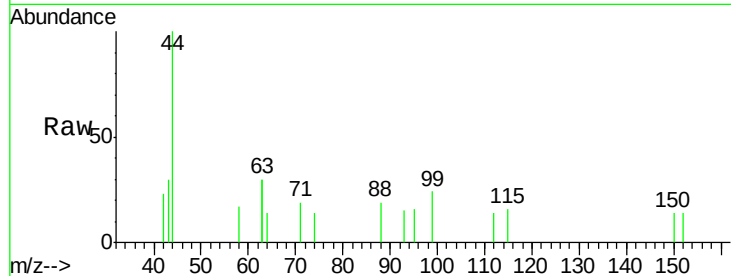
ClientSampled :

T-9_030518

Tot Ion:	99	Resp:	60
Ion	Ratio	Lower	Upper
99	100		
42	55.0	20.2	30.2#
71	55.0	28.4	42.6#

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#7

Naphthalene-d8

Concen: 0.400 ng

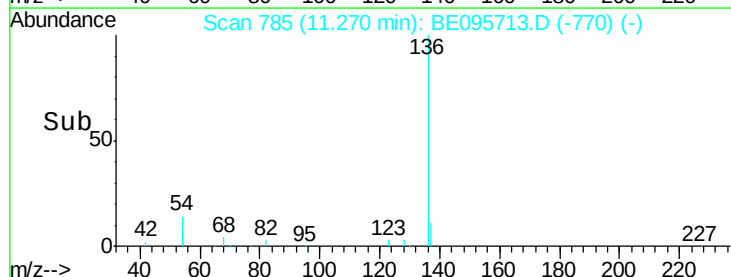
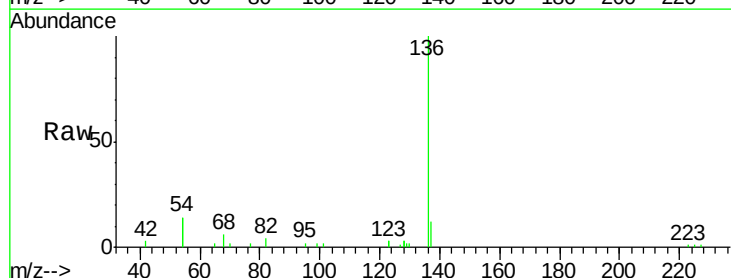
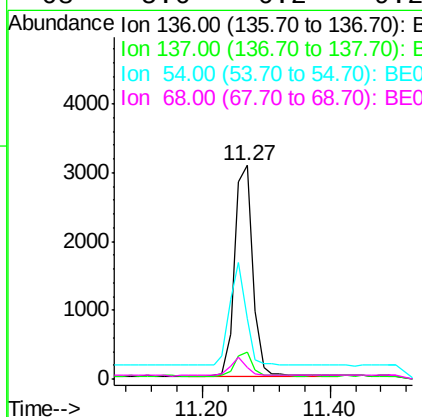
RT: 11.27 min Scan# 785

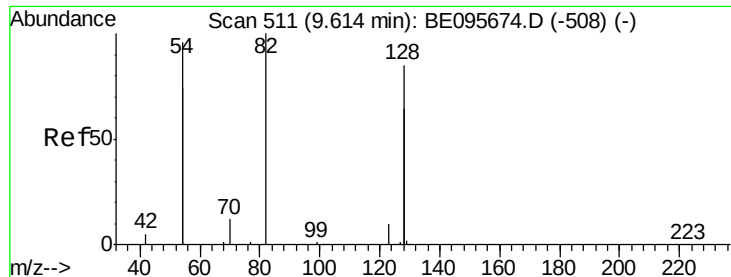
Delta R.T. -0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion:	136	Resp:	6028
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	28.1	29.1	43.7#
68	5.6	6.2	9.2#





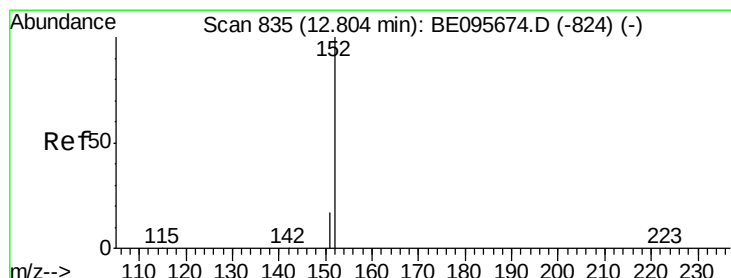
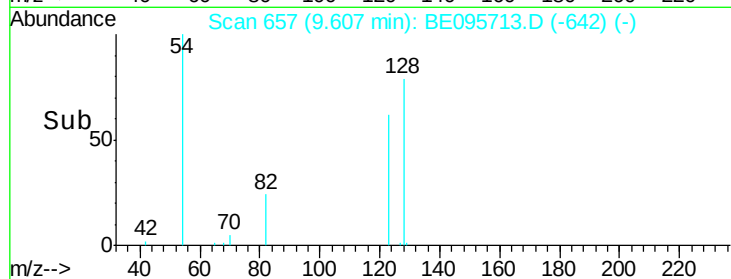
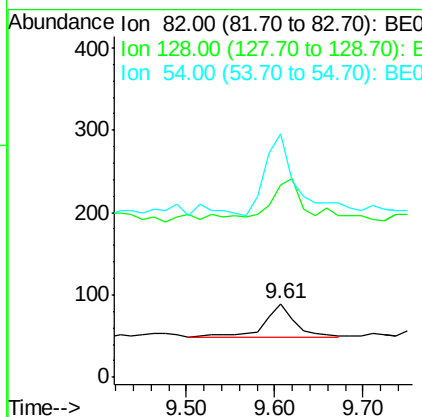
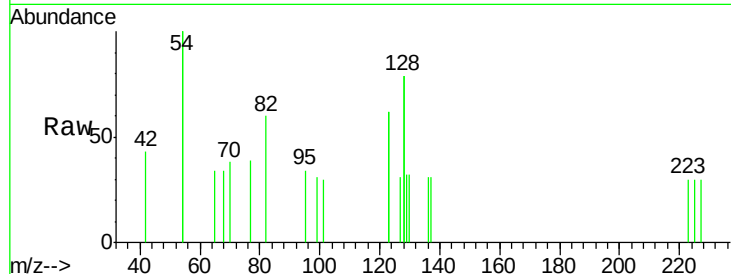
#8
 Nitrobenzene-d5
 Concen: 0.015 ng
 RT: 9.61 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: BE095713.D
 Acq: 7 Mar 2018 00:34

Instrument :
 BNA_E
 ClientSampleId :
 T-9_030518

Tot Ion	Ratio	Lower	Upper
82	100		
128	262.9	150.0	225.0#
54	332.6	154.2	231.4#

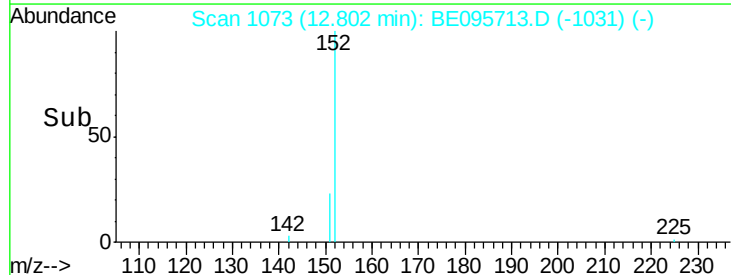
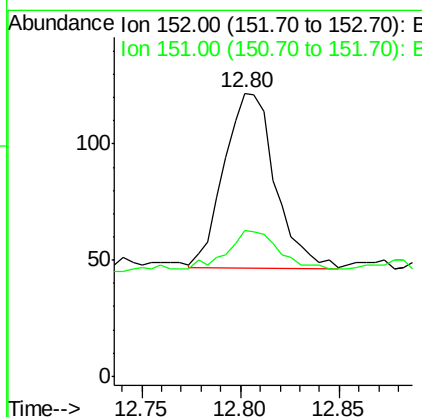
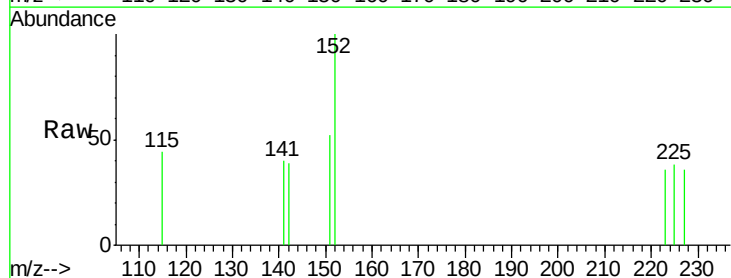
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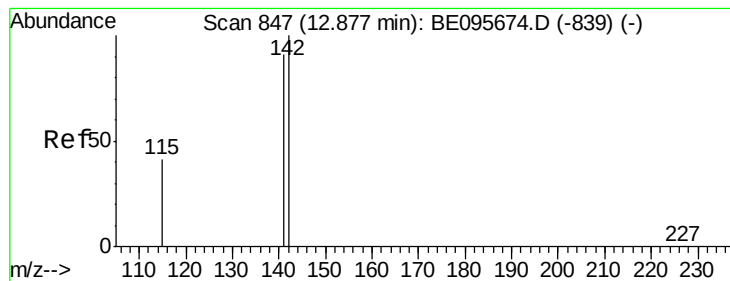
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#11
 2-Methylnaphthalene-d10
 Concen: 0.013 ng
 RT: 12.80 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: BE095713.D
 Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	12.6	15.4	23.0#





#12

2-Methylnaphthalene

Concen: 0.023 ng

RT: 12.87 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

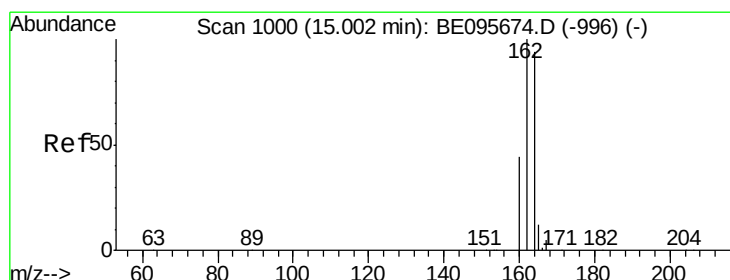
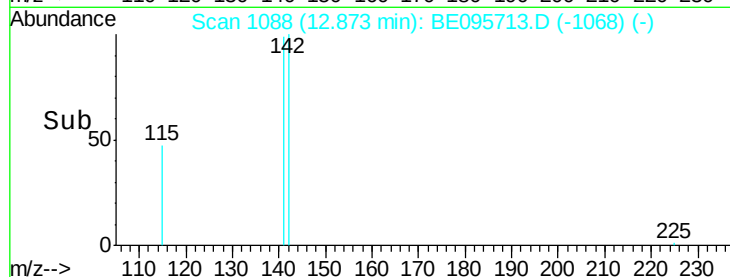
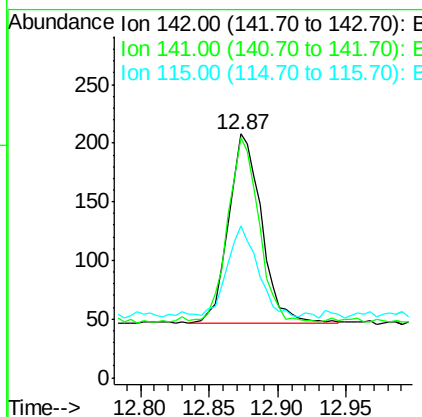
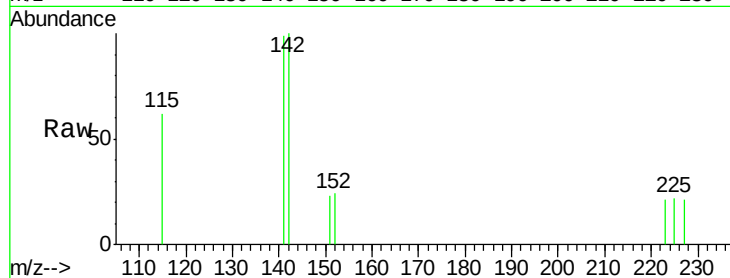
ClientSampleId :

T-9_030518

Tot Ion	Ratio	Lower	Upper
142	100		
141	98.6	70.4	105.6
115	62.0	31.7	47.5

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#13

Acenaphthene-d10

Concen: 0.400 ng

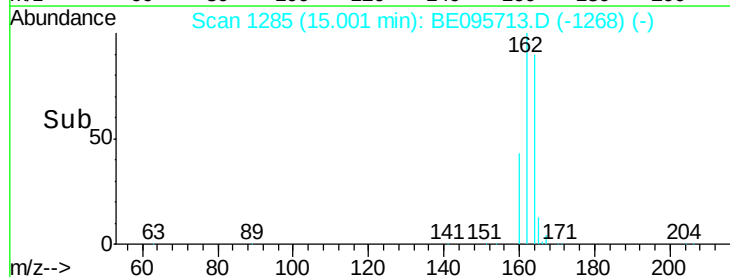
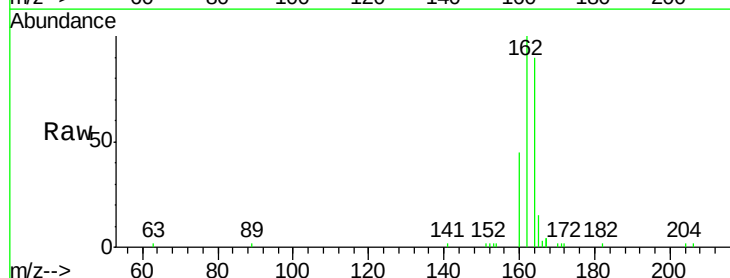
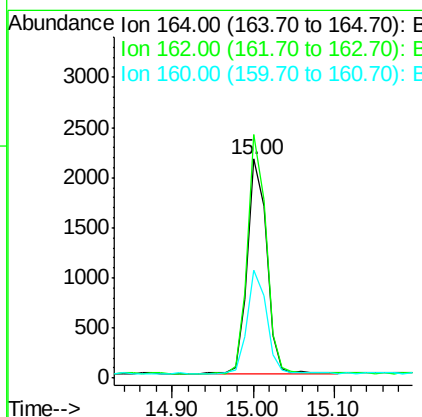
RT: 15.00 min Scan# 1285

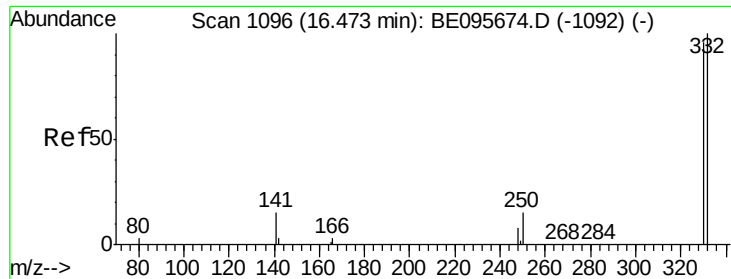
Delta R.T. -0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	111.1	83.1	124.7
160	49.4	37.1	55.7





#14

2,4,6-Tribromophenol

Concen: 0.127 ng

RT: 16.47 min Scan# 1408

Delta R.T. -0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

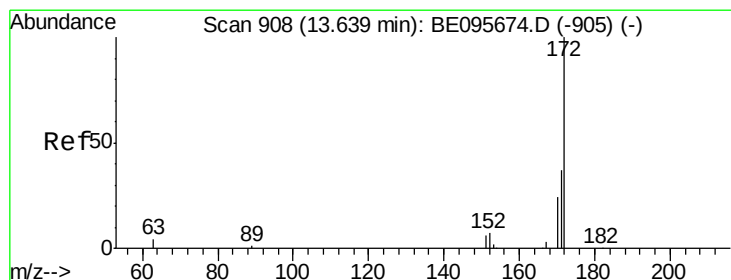
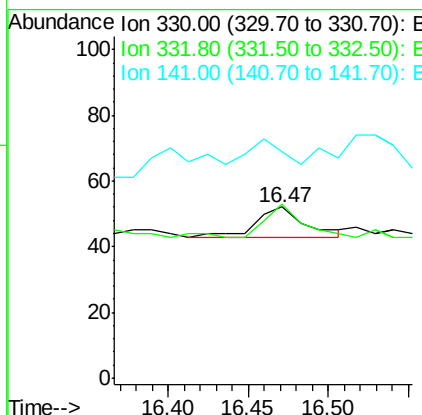
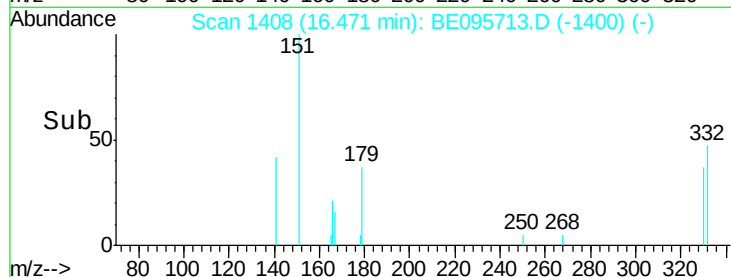
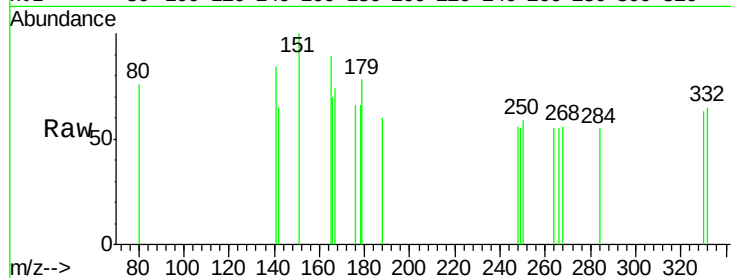
ClientSampled :

T-9_030518

Tot Ion	Ratio	Lower	Upper
330	100		
332	78.9	152.7	229.1#
141	78.9	33.7	50.5#

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#15

2-Fluorobiphenyl

Concen: 0.013 ng

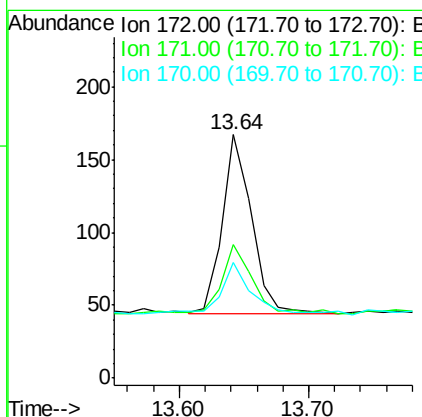
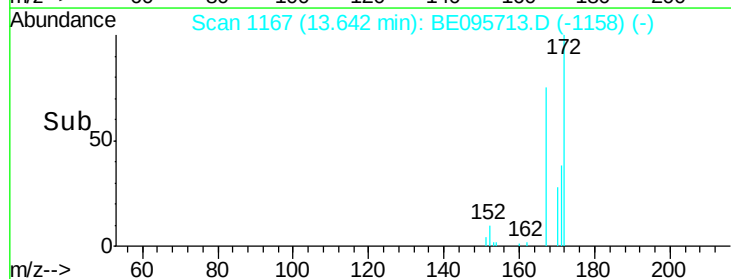
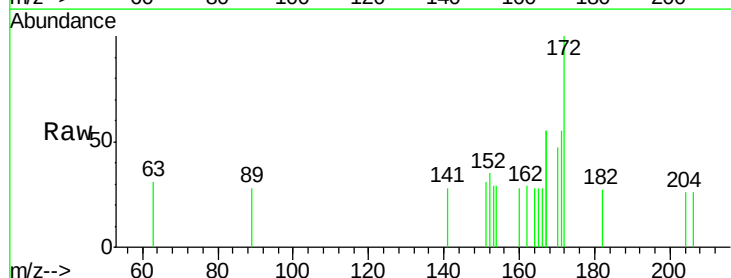
RT: 13.64 min Scan# 1167

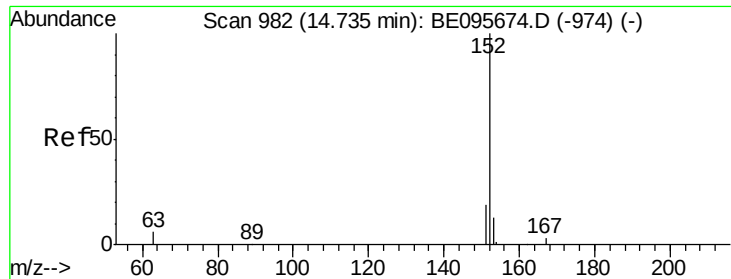
Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	55.1	29.9	44.9#
170	47.3	21.8	32.8#





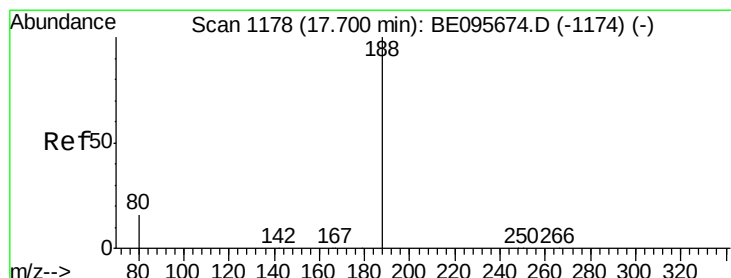
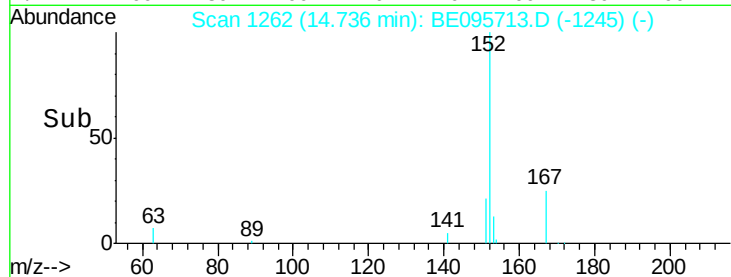
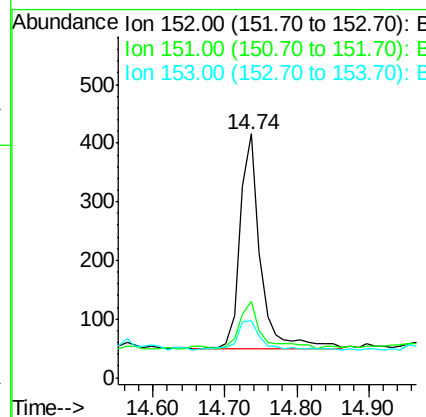
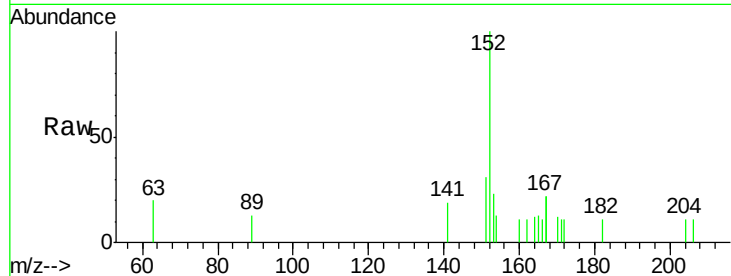
#16
Acenaphthylene
Concen: 0.037 ng
RT: 14.74 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_E
ClientSampleId :
T-9_030518

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.2	15.7	23.5
153	16.1	10.5	15.7#

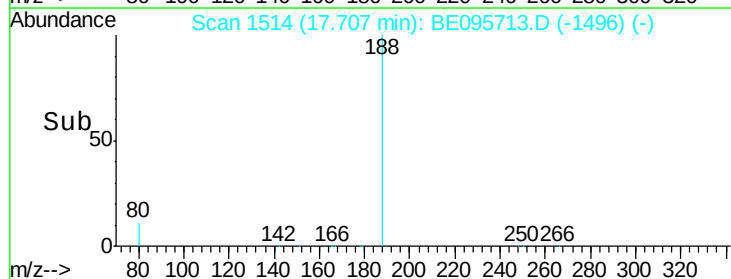
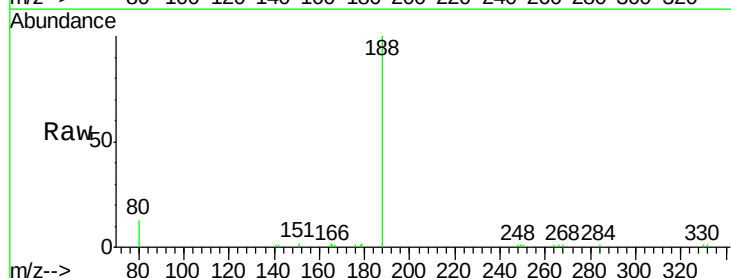
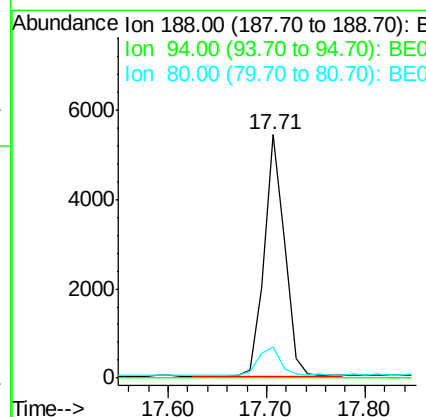
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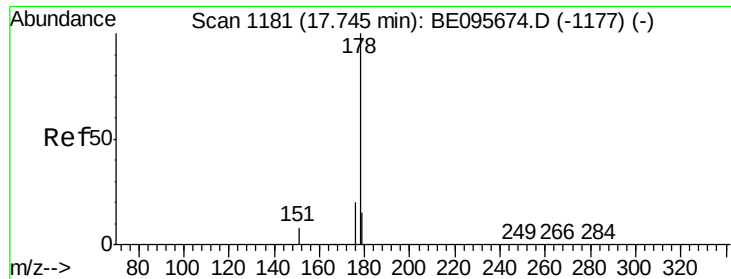
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	12.6	3.6	5.4#





#23

Phenanthrene

Concen: 0.395 ng

RT: 17.75 min Scan# 1518

Delta R.T. 0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

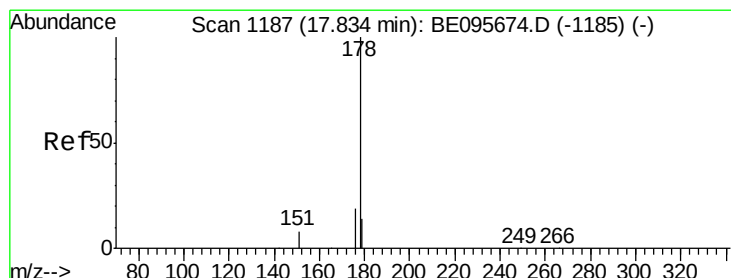
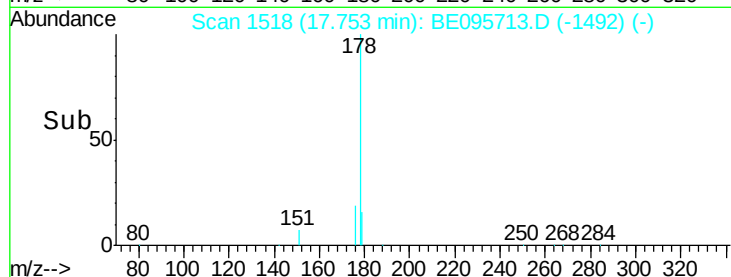
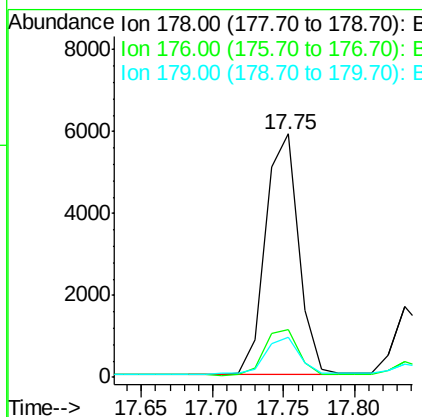
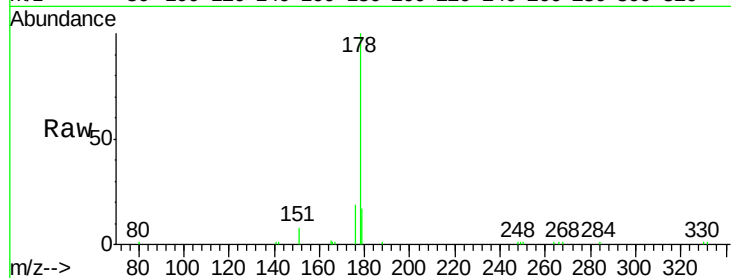
ClientSampleId :

T-9_030518

Tot Ion:	178	Resp:	9488
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.5	11.8	17.6

Manual Integrations
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#24

Anthracene

Concen: 0.117 ng

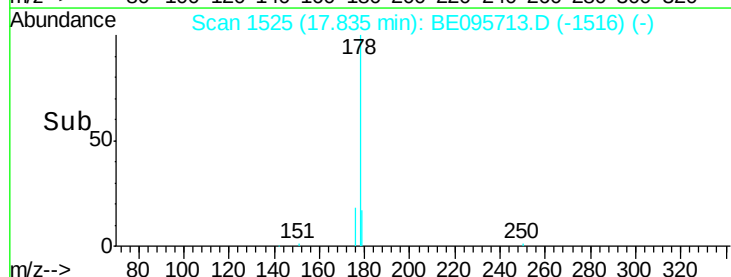
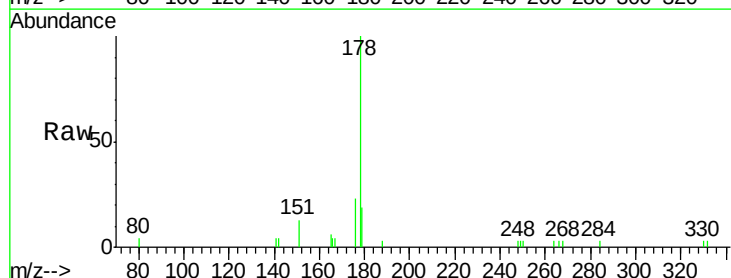
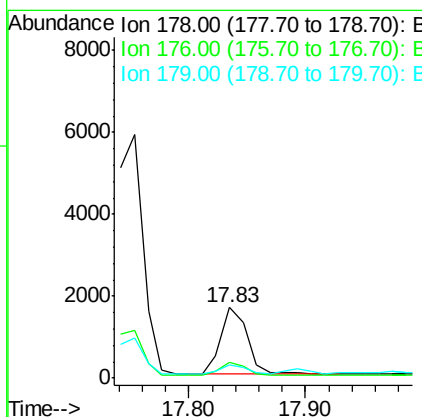
RT: 17.83 min Scan# 1525

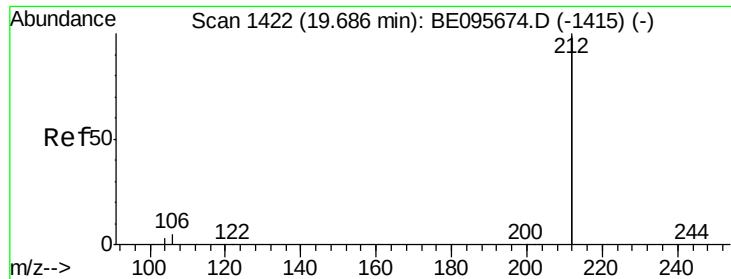
Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion:	178	Resp:	2582
Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	14.3	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.010 ng

RT: 19.69 min Scan# 1828

Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

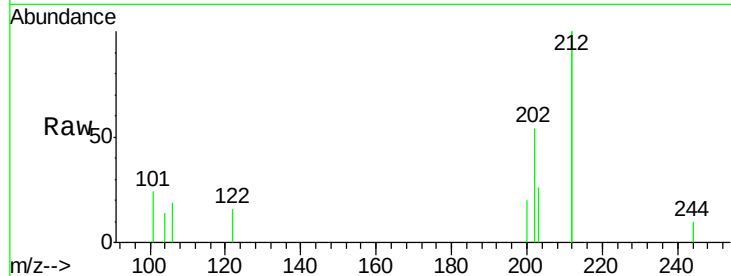
ClientSampled :

T-9_030518

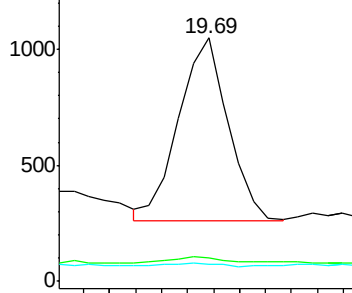
Tot Ion:	212	Resp:	1042
Ion Ratio	Lower	Upper	
212	100		
106	3.9	2.8	4.2
104	1.8	1.6	2.4

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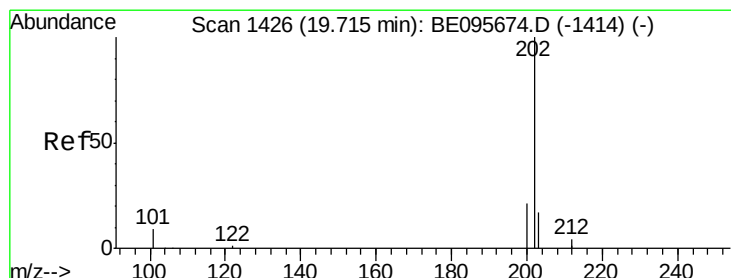
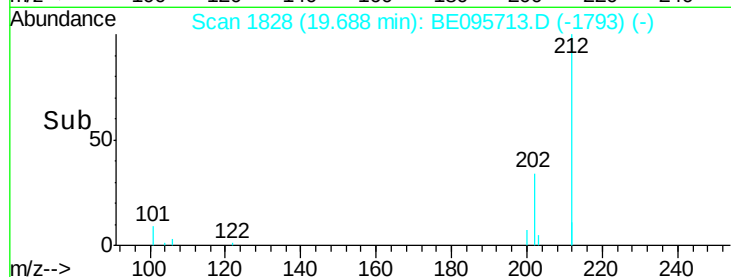
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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 1.063 ng

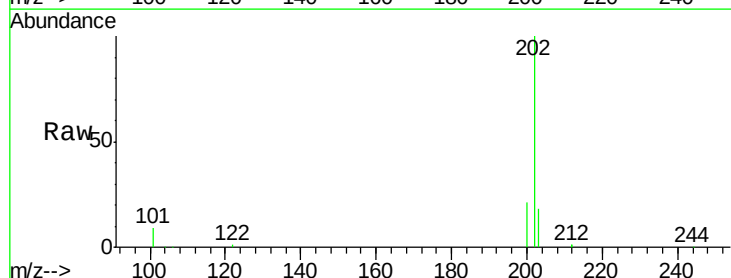
RT: 19.72 min Scan# 1833

Delta R.T. 0.00 min

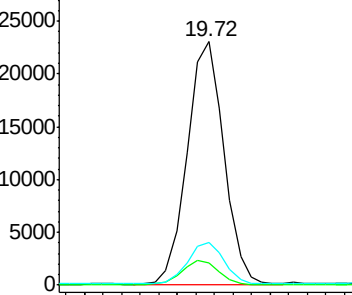
Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

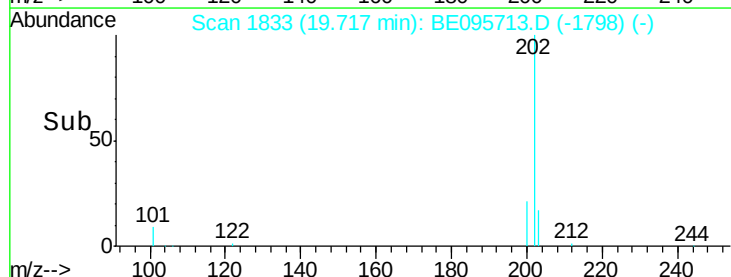
Tgt Ion:	202	Resp:	31465
Ion Ratio	Lower	Upper	
202	100		
101	9.7	9.8	14.8#
203	17.1	13.7	20.5

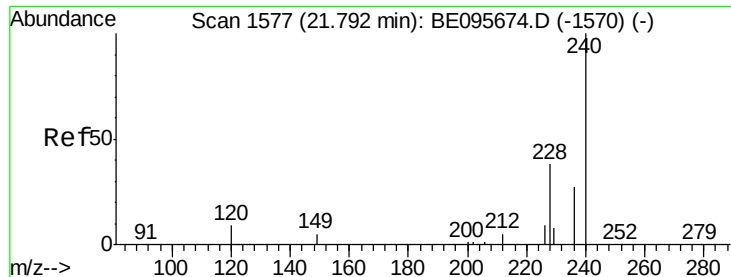


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.80 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

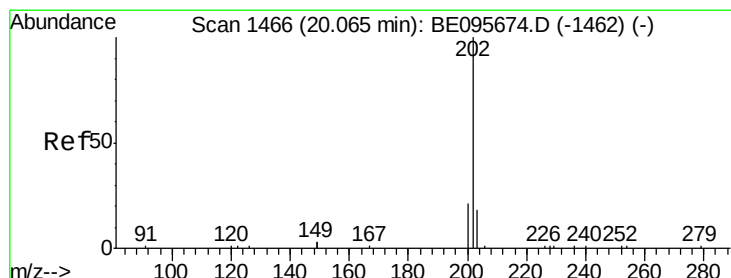
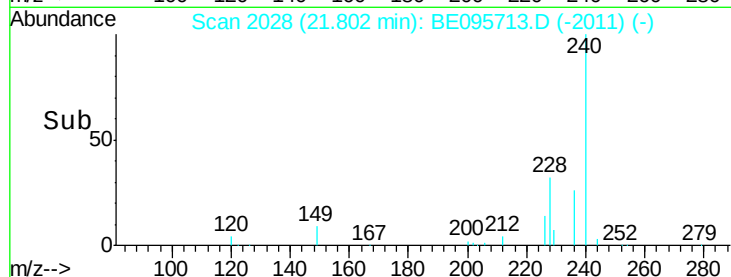
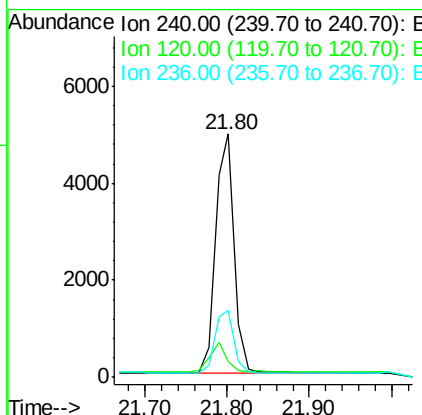
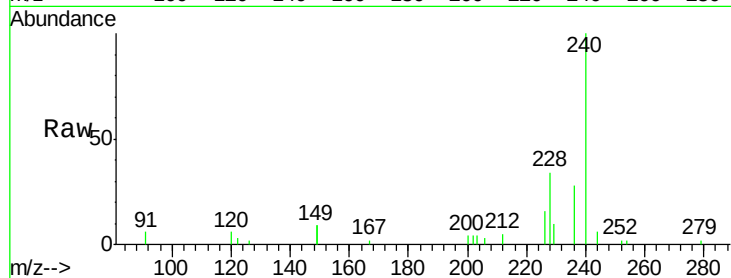
ClientSampleId :

T-9_030518

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.5	8.3
236	27.5	20.7	31.1

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#28

Pyrene

Concen: 1.155 ng

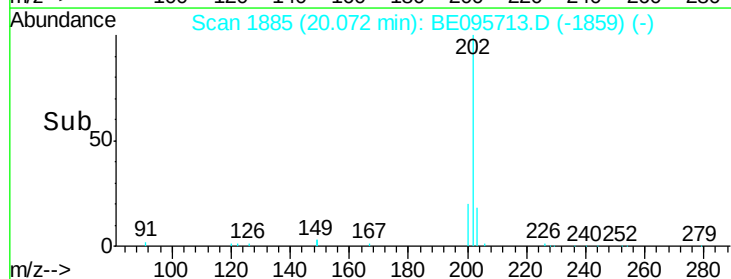
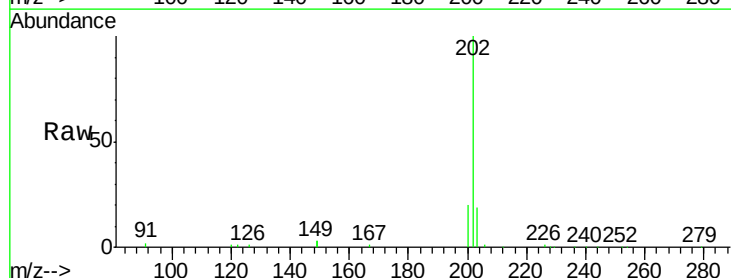
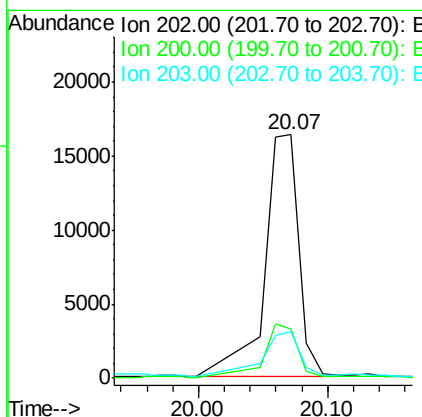
RT: 20.07 min Scan# 1885

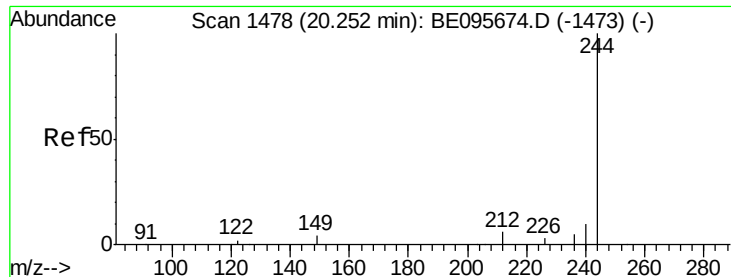
Delta R.T. 0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	16.6	25.0
203	19.2	13.8	20.8





#29

Terphenyl-d14

Concen: 0.014 ng

RT: 20.24 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

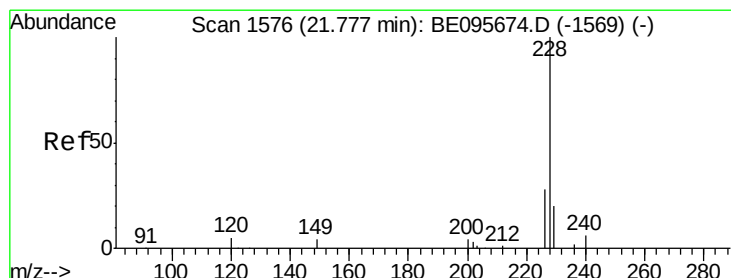
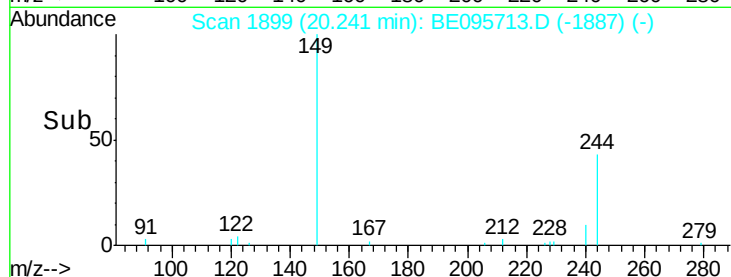
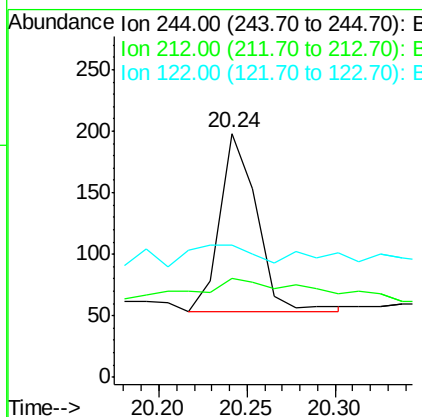
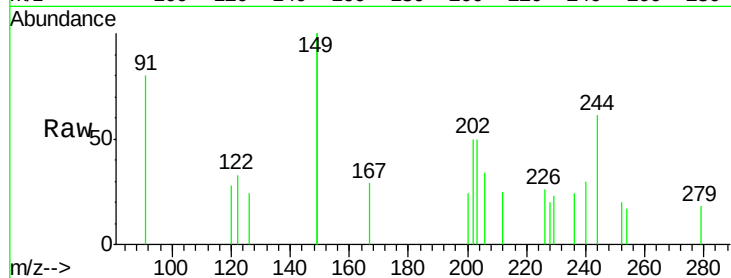
ClientSampled :

T-9_030518

Tot Ion:	244	Resp:	214
Ion Ratio	Lower	Upper	
244	100		
212	40.4	25.4	38.0#
122	54.0	8.1	12.1#

Manual Integrations
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#30

Benzo(a)anthracene

Concen: 0.682 ng

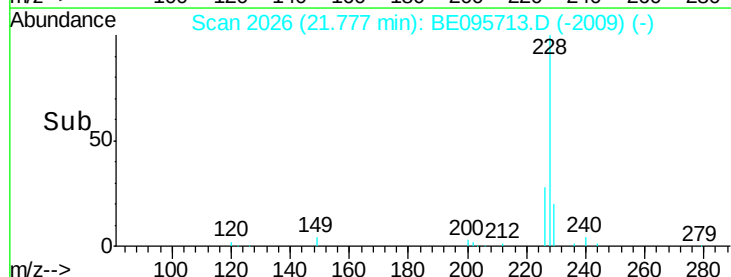
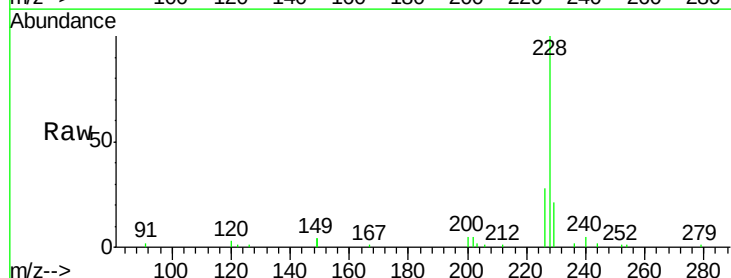
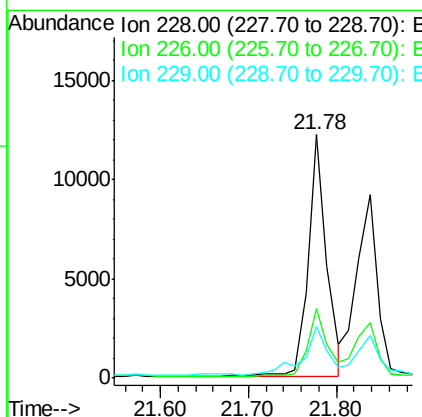
RT: 21.78 min Scan# 2026

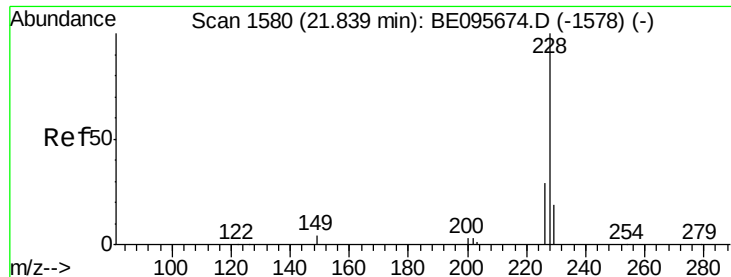
Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion:	228	Resp:	17572
Ion Ratio	Lower	Upper	
228	100		
226	28.4	24.0	36.0
229	21.2	16.0	24.0





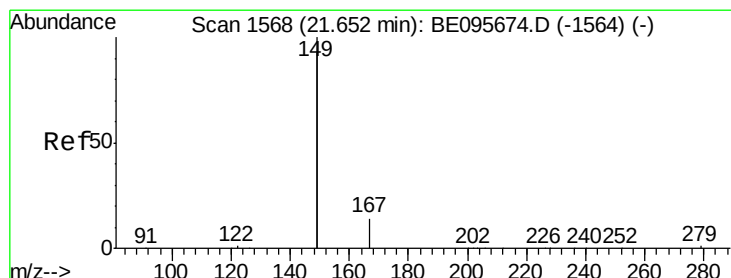
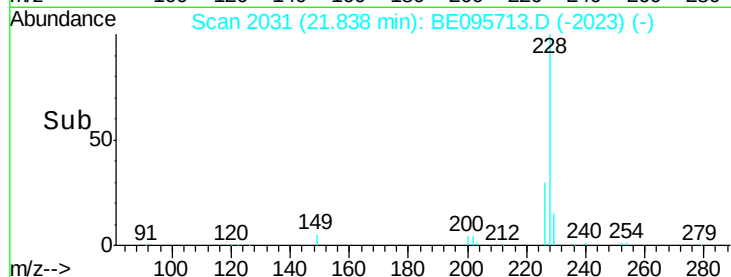
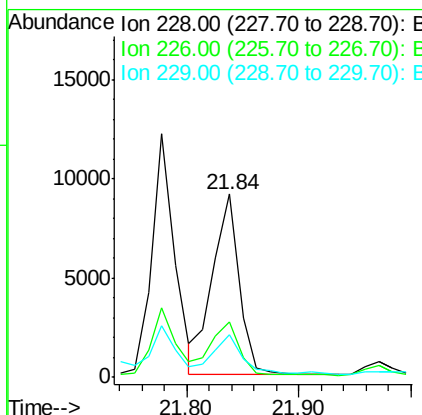
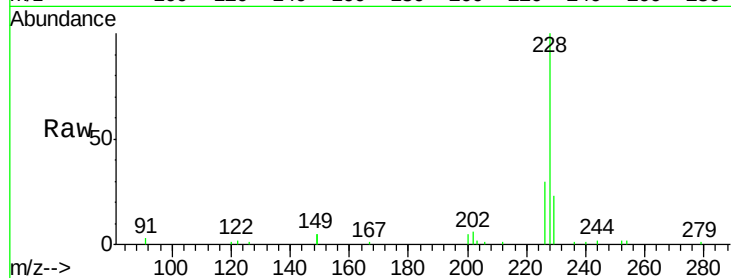
#31
Chrysene
Concen: 0.589 ng
RT: 21.84 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_E
ClientSampleId :
T-9_030518

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.0	36.0
229	23.4	16.0	24.0

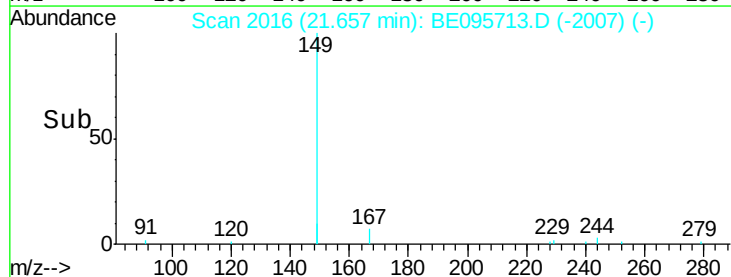
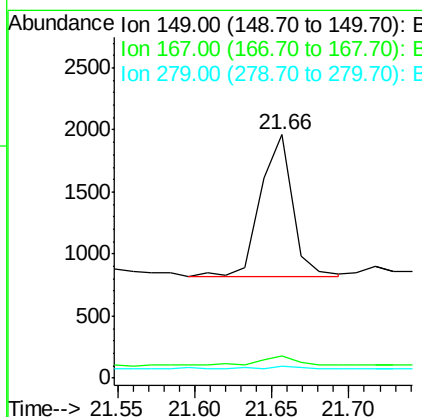
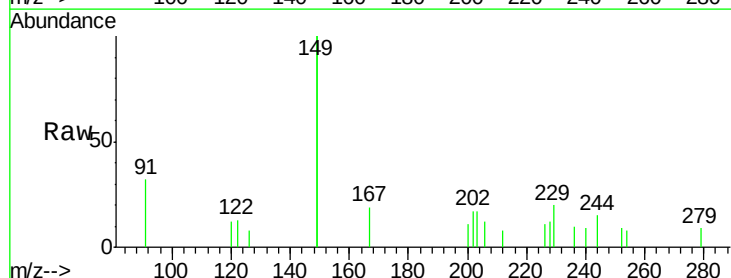
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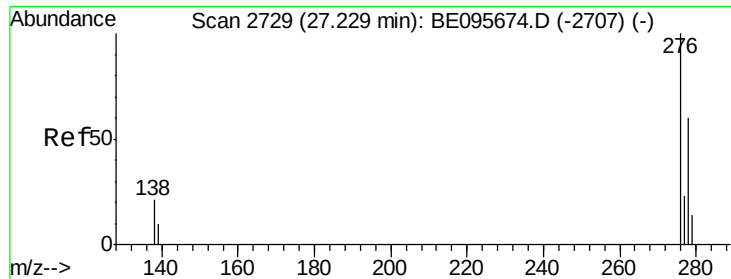
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.037 ng
RT: 21.66 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	2.9	0.7	1.1#





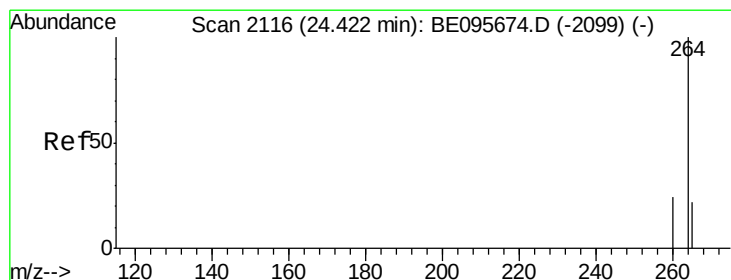
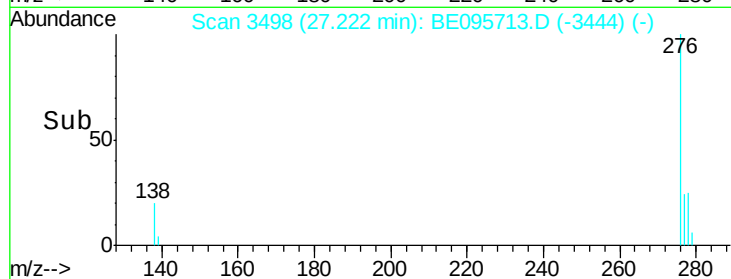
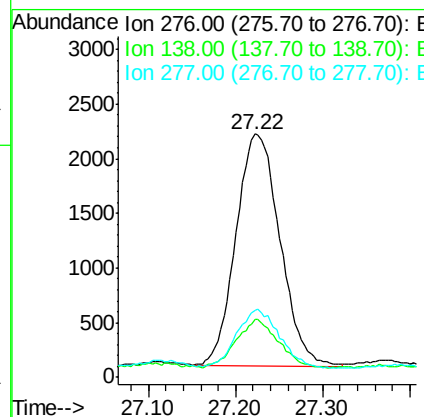
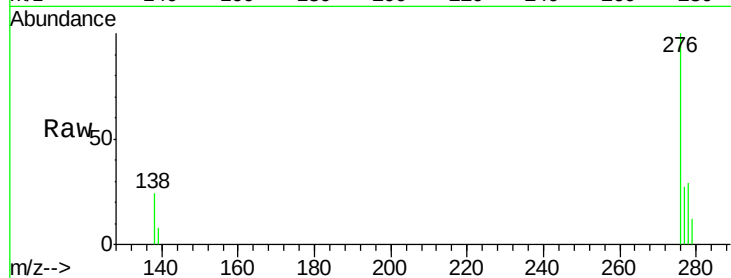
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.300 ng
RT: 27.22 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_E
ClientSampleId :
T-9_030518

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	22.5	33.7#
277	24.5	19.9	29.9

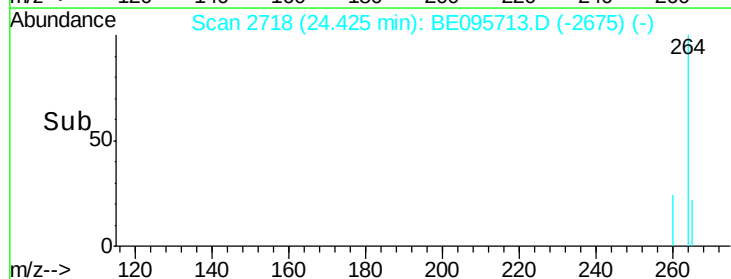
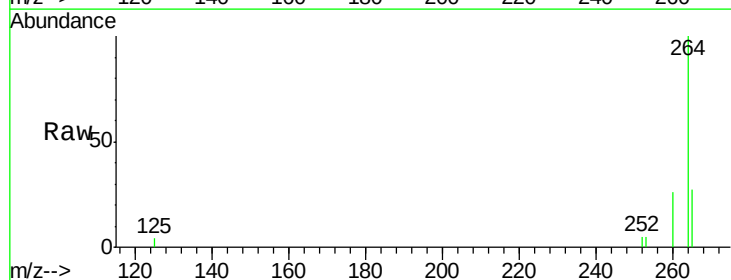
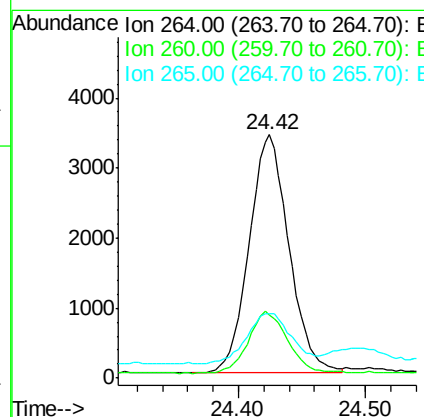
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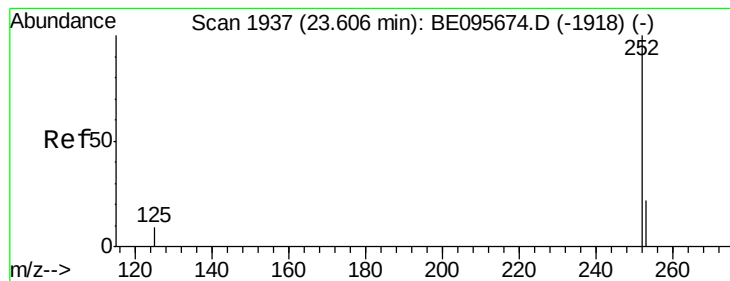
Sohil
3/7/2018 12:20:28 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2718
Delta R.T. 0.00 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	26.6	22.8	34.2





#35

Benzo(b)fluoranthene

Concen: 0.625 ng

RT: 23.61 min Scan# 2490

Delta R.T. 0.01 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

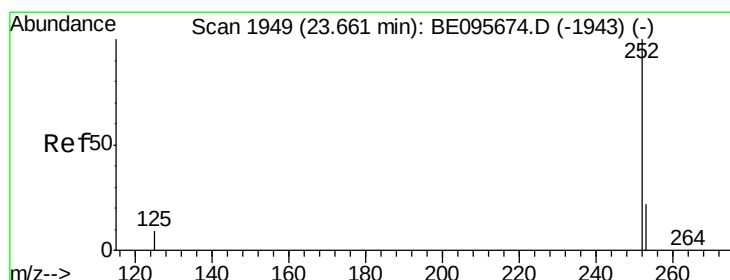
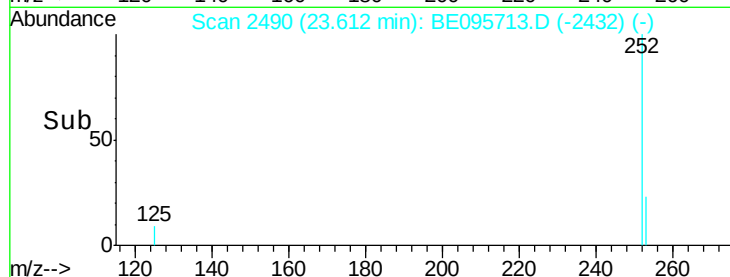
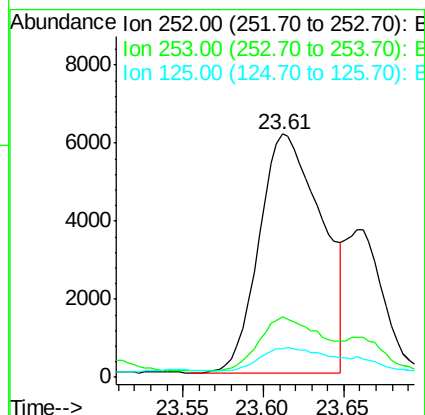
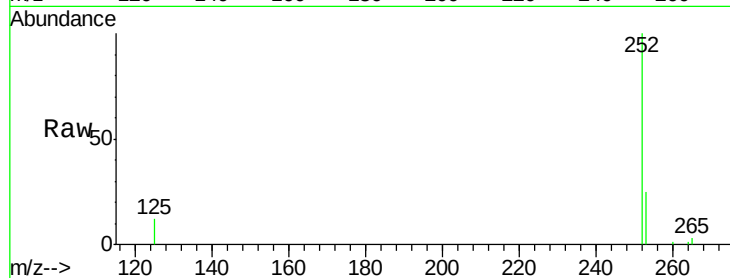
ClientSampleId :

T-9_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.0	30.0
125	11.7	16.0	24.0

Manual Integrations
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3/7/2018 12:20:28 PM



#36

Benzo(k)fluoranthene

Concen: 0.228 ng m

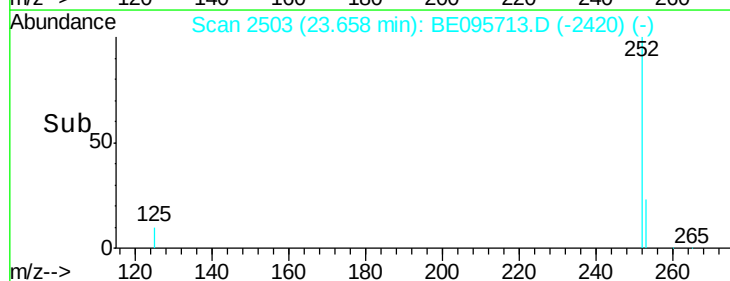
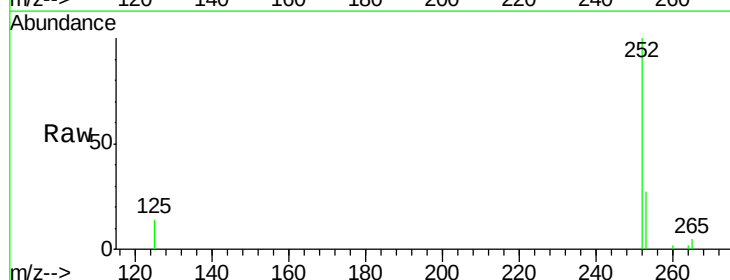
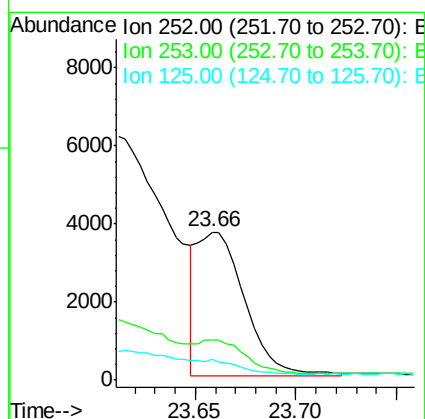
RT: 23.66 min Scan# 2503

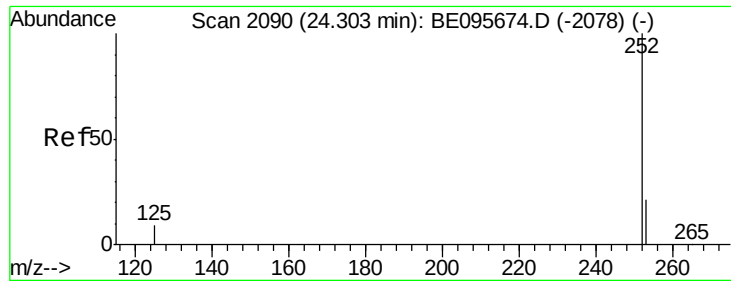
Delta R.T. -0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	16.0	24.0
125	14.1	8.0	12.0





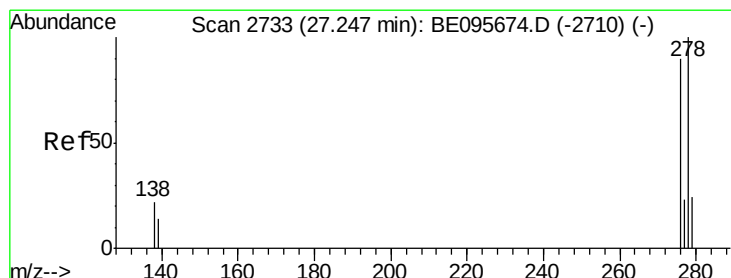
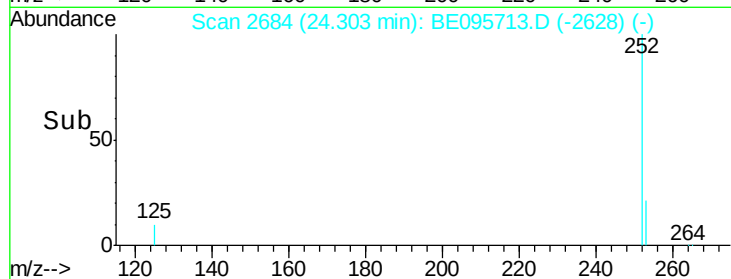
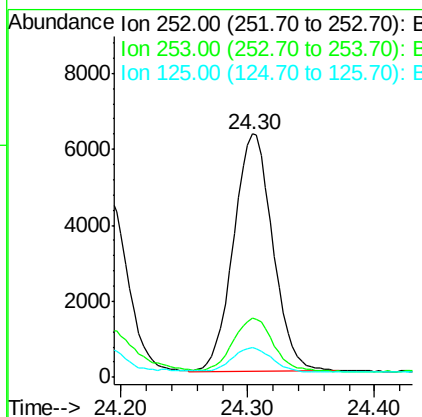
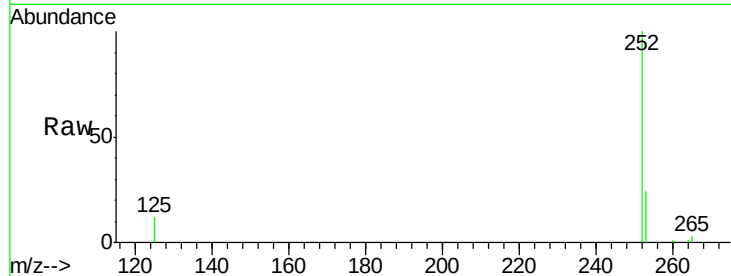
#37
Benzo(a)pyrene
Concen: 0.565 ng
RT: 24.30 min Scan# 2684
Delta R.T. 0.00 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Instrument :
BNA_E
ClientSampleId :
T-9_030518

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	12.4	12.0	18.0

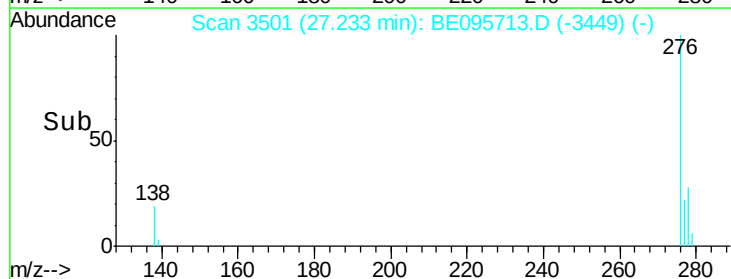
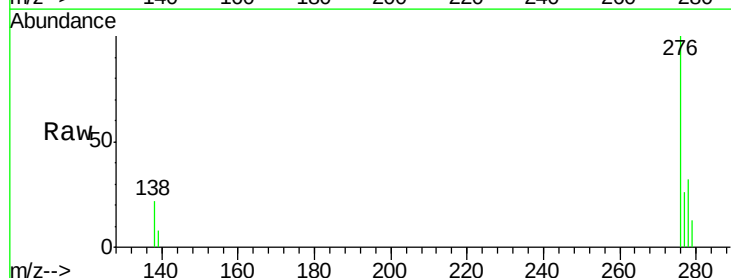
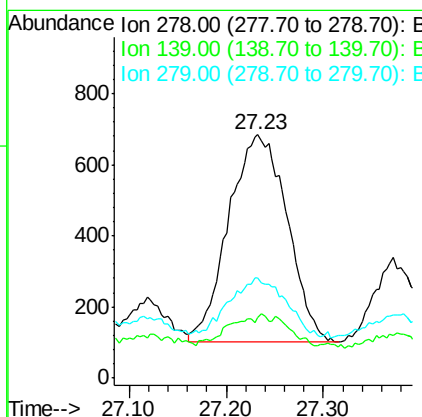
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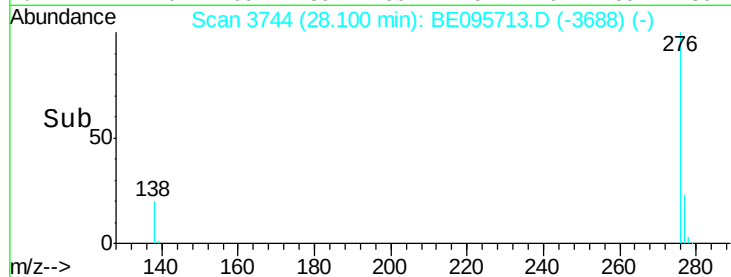
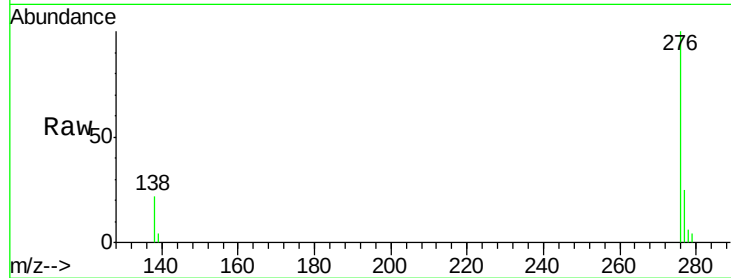
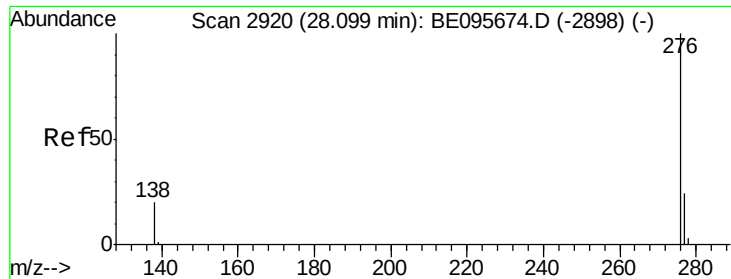
Sohil
3/7/2018 12:20:28 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.115 ng
RT: 27.23 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BE095713.D
Acq: 7 Mar 2018 00:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.0	24.0#
279	41.3	20.0	30.0#





#39

Benzo(a,h,i)perylene

Concen: 0.406 ng

RT: 28.10 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BE095713.D

Acq: 7 Mar 2018 00:34

Instrument :

BNA_E

ClientSampleId :

T-9_030518

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	16.0	24.0
138	22.2	20.0	30.0

Manual Integrations
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