

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
 Data File : BE100379.D
 Acq On : 5 Jul 2019 13:44
 Operator : JU/SJ
 Sample : K3558-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW095-062619

Manual Integrations
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 7/8/2019 2:13:41 PM

Quant Time: Jul 06 00:28:04 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	591	0.40	ng	-0.02
7) Naphthalene-d8	10.42	136	1985	0.40	ng	-0.02
13) Acenaphthene-d10	14.30	164	1673	0.40	ng	-0.01
19) Phenanthrene-d10	17.04	188	5211	0.40	ng	-0.01
27) Chrysene-d12	21.23	240	6986	0.40	ng	-0.01
34) Perylene-d12	23.65	264	8673	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.20	112	453	0.30	ng	-0.01
5) Phenol-d6	6.81	99	518	0.26	ng	-0.02
8) Nitrobenzene-d5	8.81	82	356	0.18	ng	-0.01
11) 2-Methylnaphthalene-d10	12.02	152	832	0.22	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	382	0.33	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	1189	0.18	ng	-0.03
25) Fluoranthene-d10	19.08	212	12131	0.16	ng	-0.02
29) Terphenyl-d14	19.68	244	2477	0.17	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.47	128	3377	0.154	ng	# 94
12) 2-Methylnaphthalene	12.11	142	696	0.181	ng	96
16) Acenaphthylene	14.03	152	2858	0.356	ng	# 97
17) Acenaphthene	14.36	154	1479	0.325	ng	96
18) Fluorene	15.34	166	3896	0.579	ng	# 93
23) Phenanthrene	17.08	178	107972	8.549	ng	99
24) Anthracene	17.17	178	6630	0.583	ng	97
26) Fluoranthene	19.11	202	167269	8.315	ng	98
28) Pyrene	19.48	202	227063	12.277	ng	96
30) Benzo(a)anthracene	21.21	228	108510	4.724	ng	97
31) Chrysene	21.27	228	133430	5.785	ng	98
32) Bis(2-ethylhexyl)phthalate	21.14	149	2892	0.031	ng	# 84
33) Indeno(1,2,3-cd)pyrene	26.20	276	55697	1.826	ng	# 98
35) Benzo(b)fluoranthene	22.91	252	108342	4.607	ng	# 96
36) Benzo(k)fluoranthene	22.95	252	36357m	1.385	ng	
37) Benzo(a)pyrene	23.54	252	86630m	3.676	ng	
38) Dibenzo(a,h)anthracene	26.21	278	15644	0.636	ng	# 89
39) Benzo(a,h,i)perylene	26.99	276	66478	2.629	ng	98

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

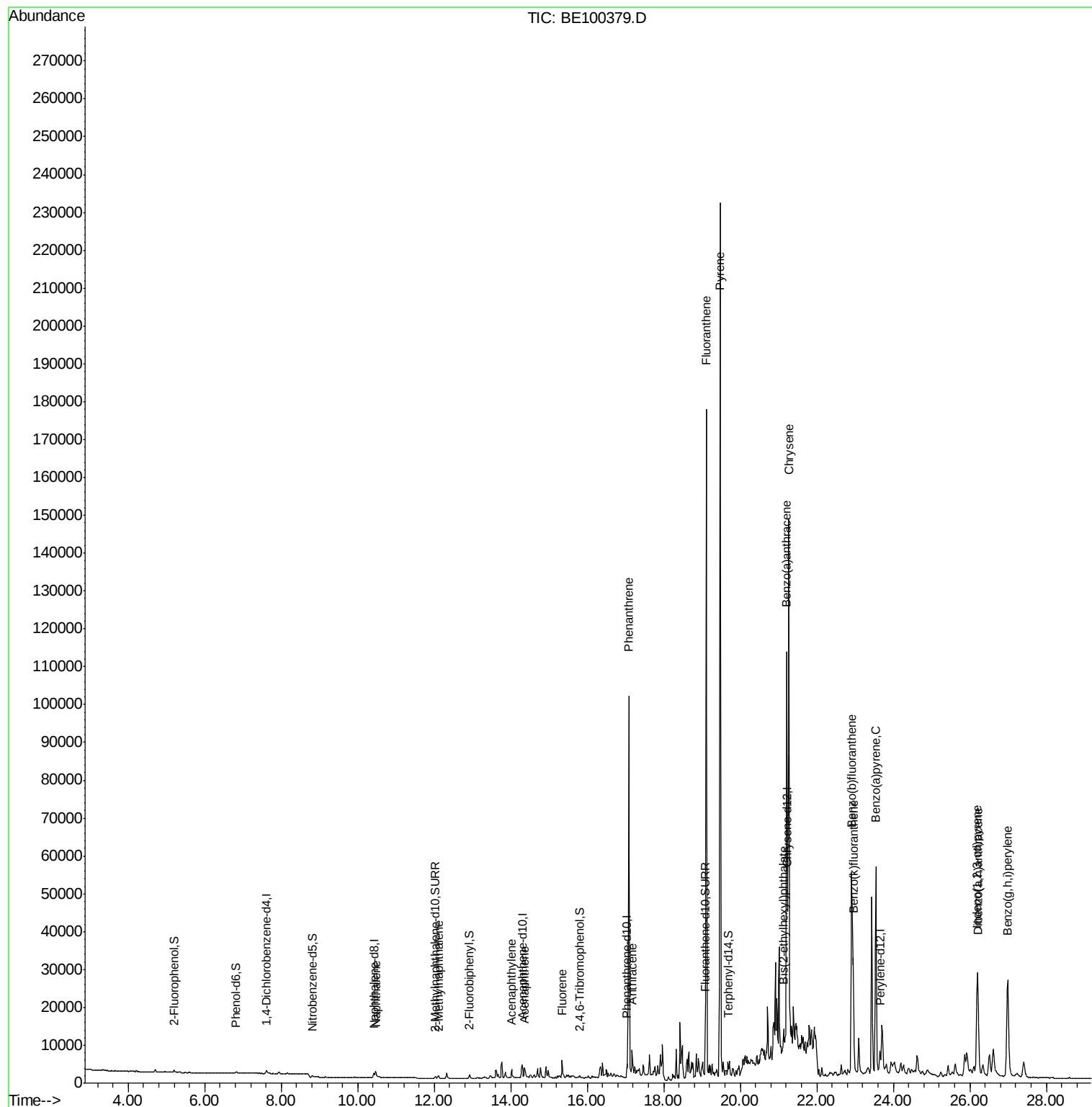
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070519\
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#1

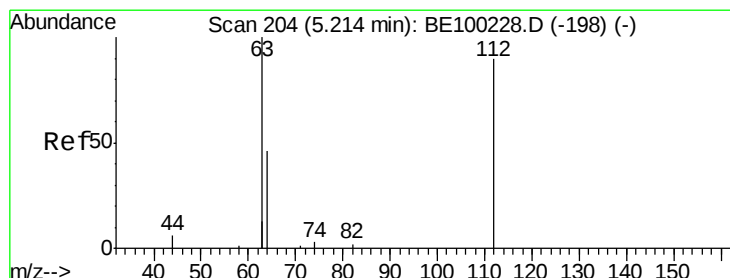
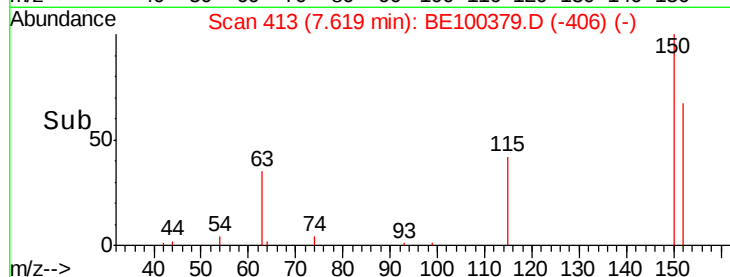
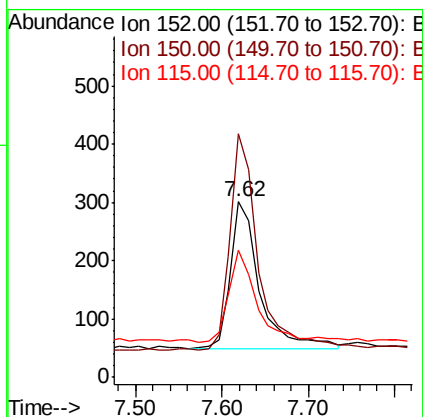
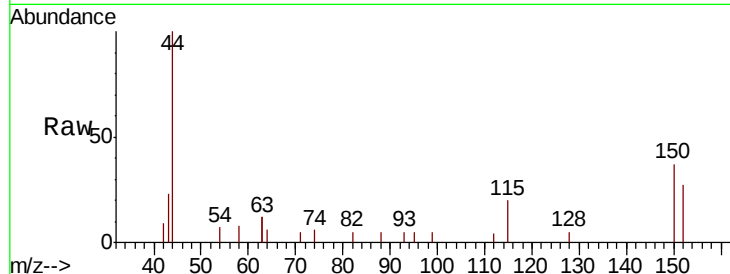
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 413
Delta R.T. -0.02 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.9	114.5	171.7
115	72.4	57.1	85.7

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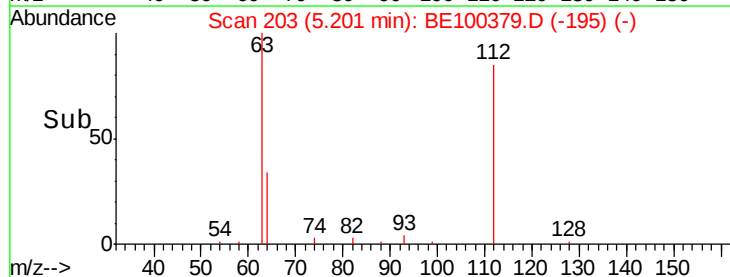
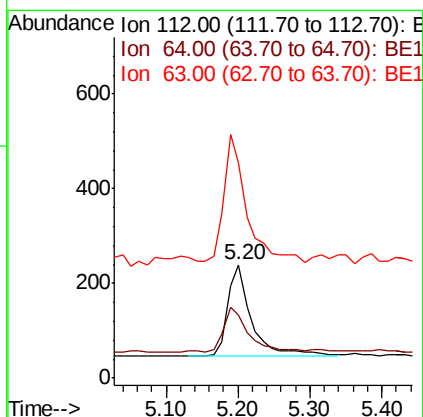
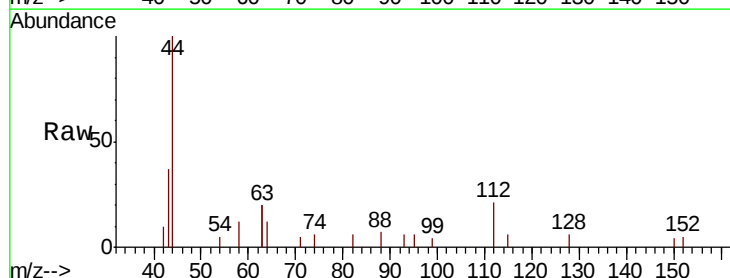
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#4

2-Fluorophenol
Concen: 0.301 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	39.4	59.0
63	132.2	104.5	156.7





#5

Phenol-d6

Concen: 0.261 ng

RT: 6.81 min Scan# 343

Delta R.T. -0.02 min

Lab File: BE100379.D

Acq: 5 Jul 2019 13:44

Instrument :

BNA_E

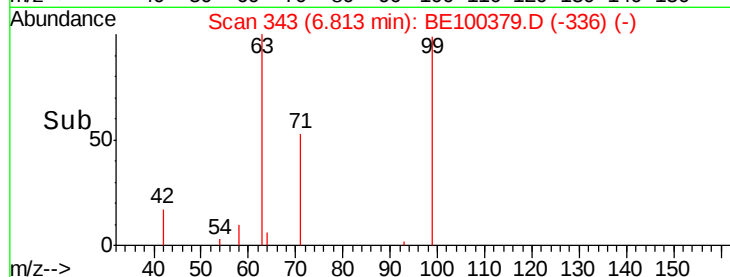
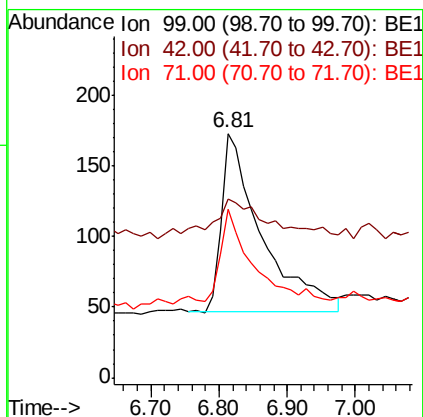
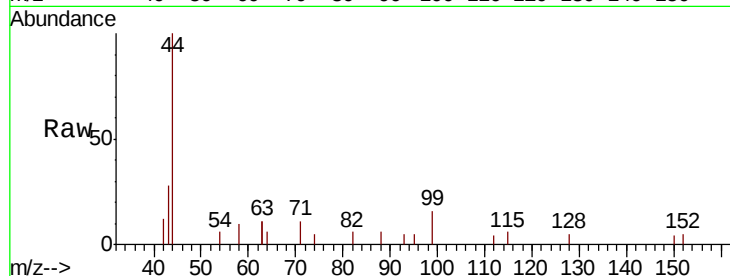
ClientSampleId :

EXT-016-SW095-062619

Tot Ion:	99	Resp:	518
Ion	Ratio	Lower	Upper
99	100		
42	26.1	11.2	16.8#
71	40.5	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

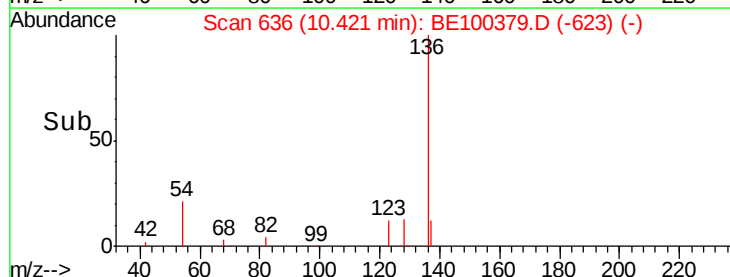
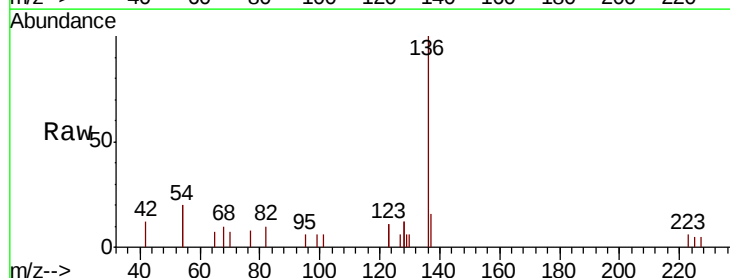
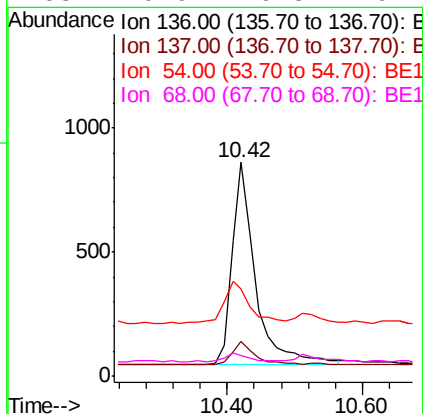
RT: 10.42 min Scan# 636

Delta R.T. -0.02 min

Lab File: BE100379.D

Acq: 5 Jul 2019 13:44

Tgt Ion:	136	Resp:	1985
Ion	Ratio	Lower	Upper
136	100		
137	16.1	11.8	17.8
54	40.6	27.7	41.5
68	9.9	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.181 ng

RT: 8.81 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100379.D

Acq: 5 Jul 2019 13:44

Instrument :

BNA_E

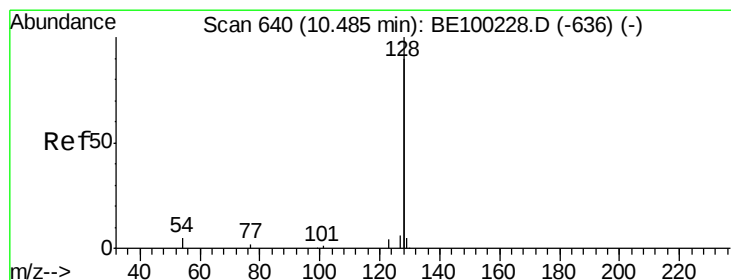
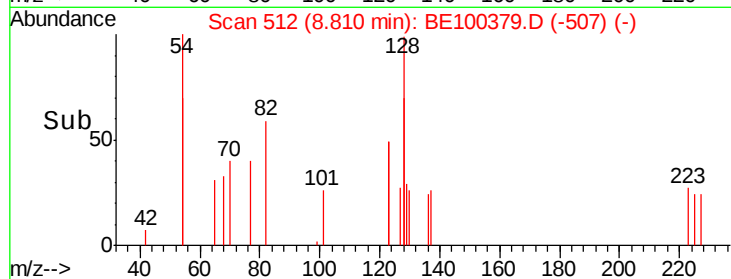
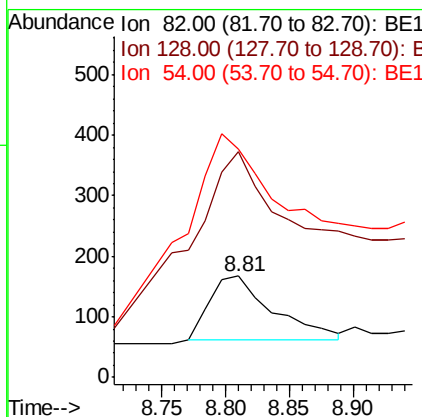
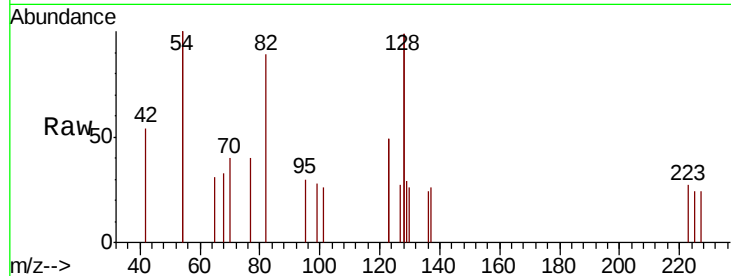
ClientSampleId :

EXT-016-SW095-062619

Tot Ion:	82	Resp:	356
Ion	Ratio	Lower	Upper
82	100		
128	222.8	140.9	211.3#
54	225.1	146.2	219.2#

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#9

Naphthalene

Concen: 0.154 ng

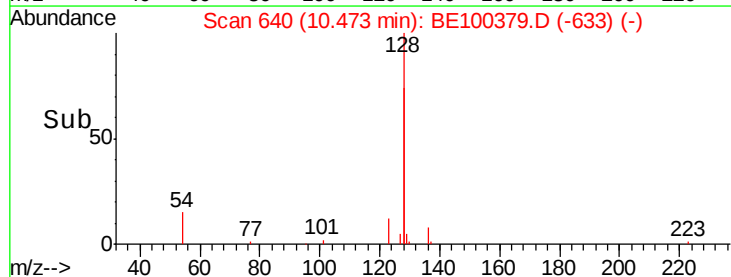
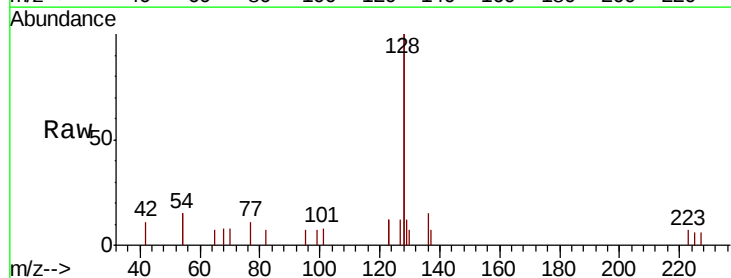
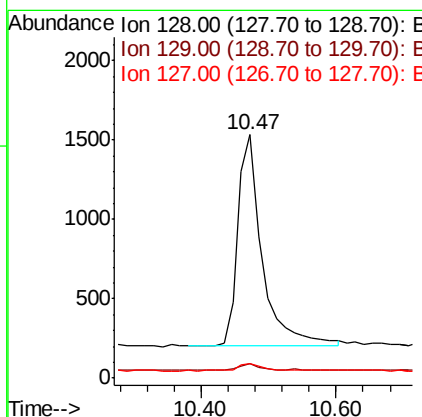
RT: 10.47 min Scan# 640

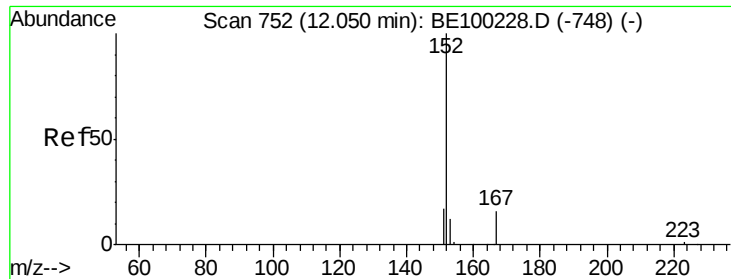
Delta R.T. -0.01 min

Lab File: BE100379.D

Acq: 5 Jul 2019 13:44

Tgt Ion:	128	Resp:	3377
Ion	Ratio	Lower	Upper
128	100		
129	6.0	3.0	4.6#
127	5.9	3.5	5.3#





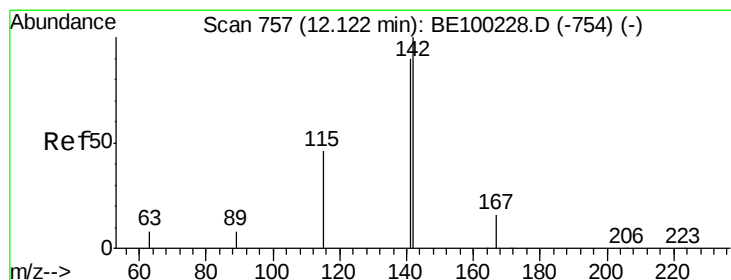
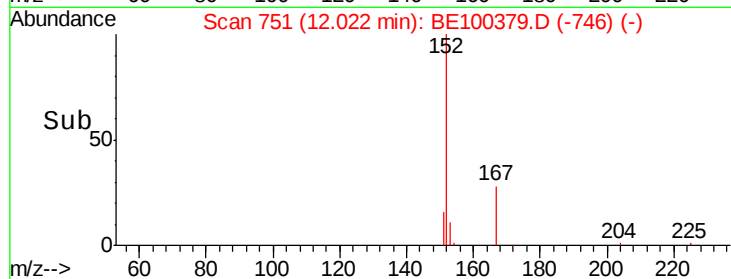
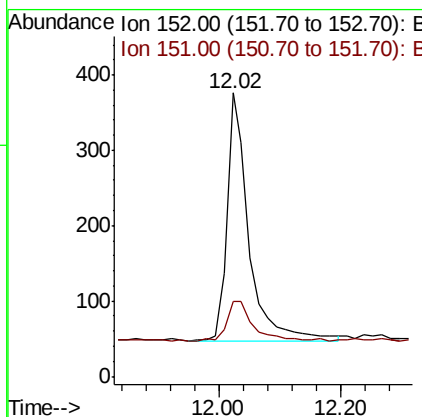
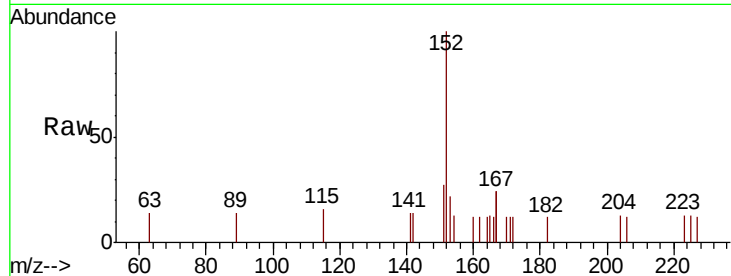
#11
2-Methylnaphthalene-d10
Concen: 0.223 ng
RT: 12.02 min Scan# 751
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion:152 Resp: 832
Ion Ratio Lower Upper
152 100
151 21.5 15.1 22.7

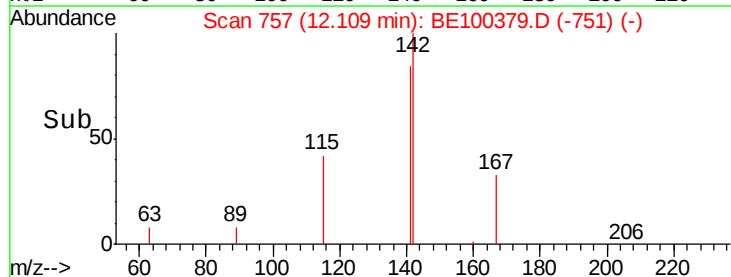
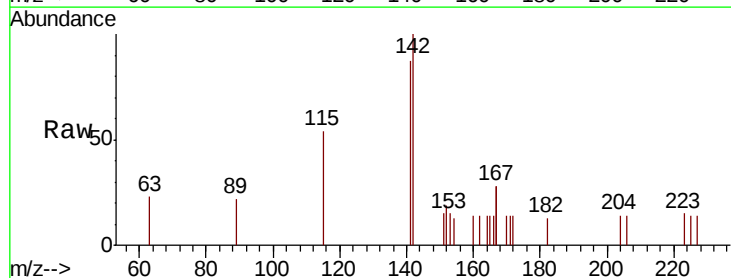
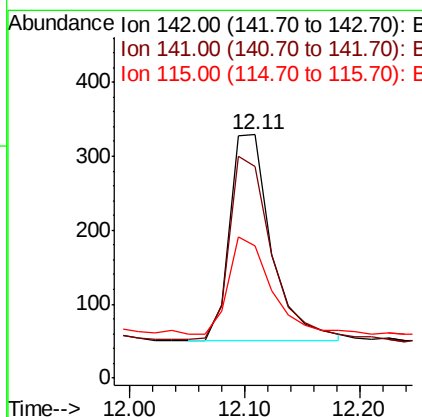
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#12
2-Methylnaphthalene
Concen: 0.181 ng
RT: 12.11 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion:142 Resp: 696
Ion Ratio Lower Upper
142 100
141 86.9 72.4 108.6
115 54.4 40.4 60.6





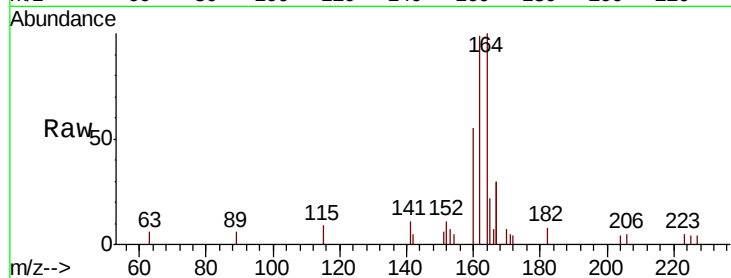
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 909
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.9	83.4	125.0
160	55.0	45.0	67.6

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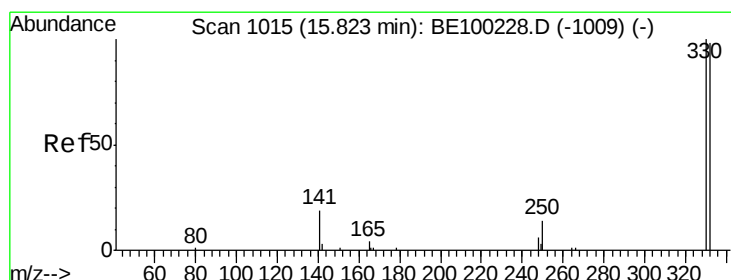
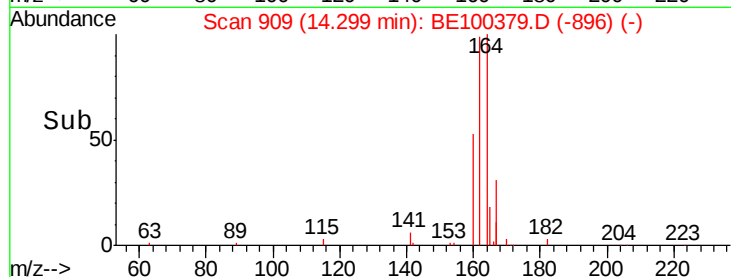
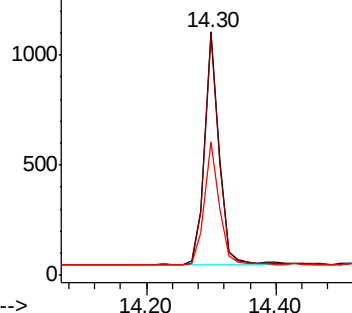


Abundance

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: 0.326 ng
RT: 15.80 min Scan# 1014
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

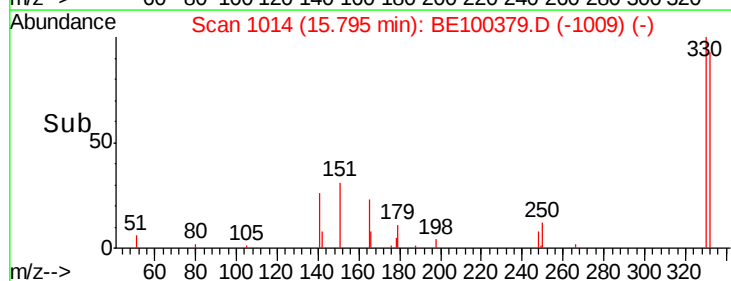
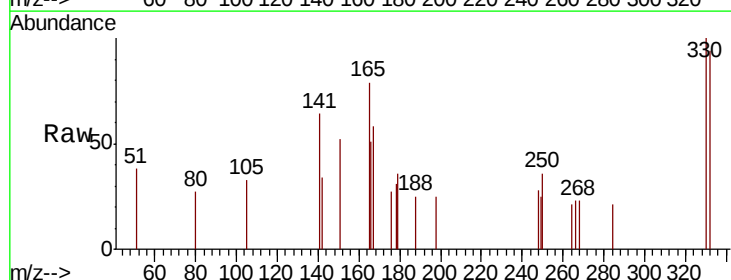
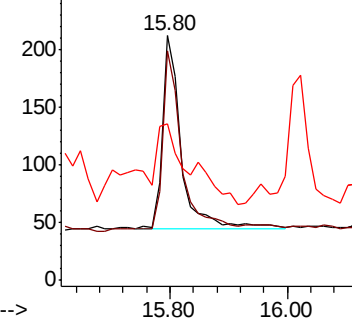
Tgt Ion	Ratio	Lower	Upper
330	100		
332	89.5	77.0	115.4
141	33.0	22.0	33.0

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





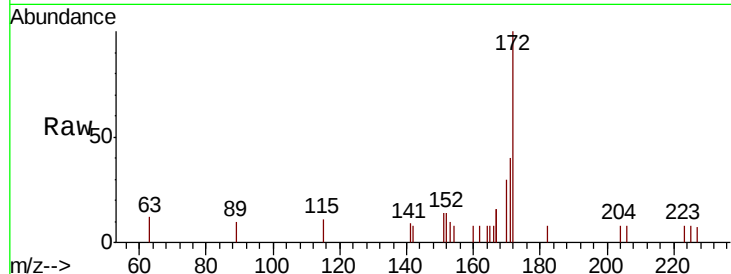
#15
2-Fluorobiphenyl
Concen: 0.182 ng
RT: 12.92 min Scan# 813
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
172	100		
171	40.4	31.9	47.9
170	30.5	22.2	33.2

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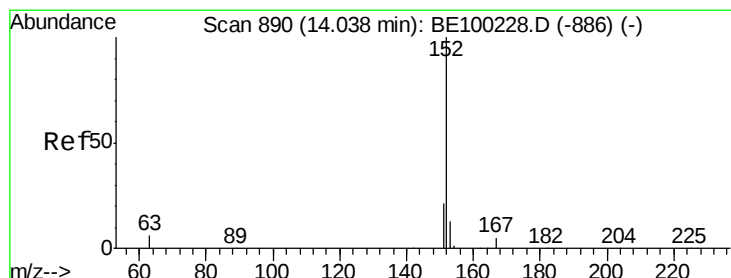
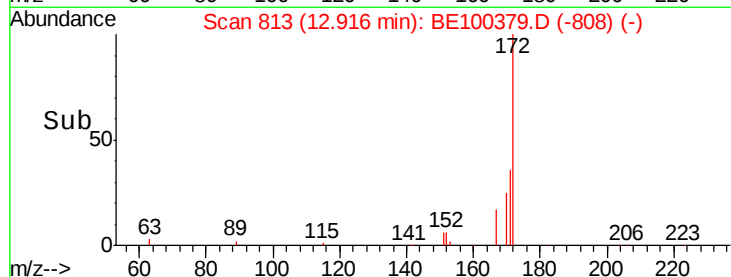
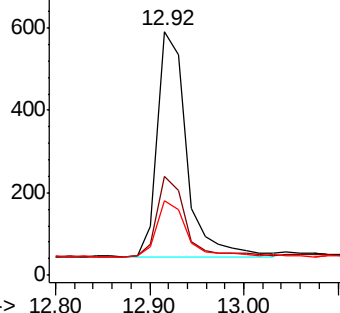


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.03 min Scan# 890
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

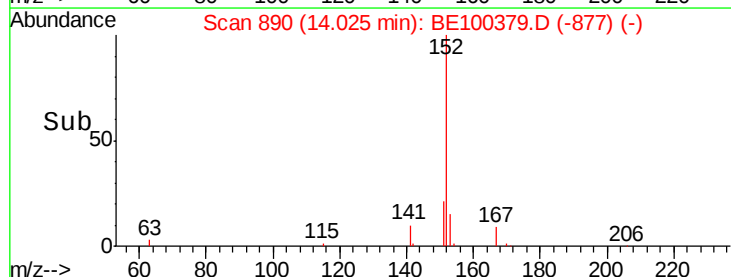
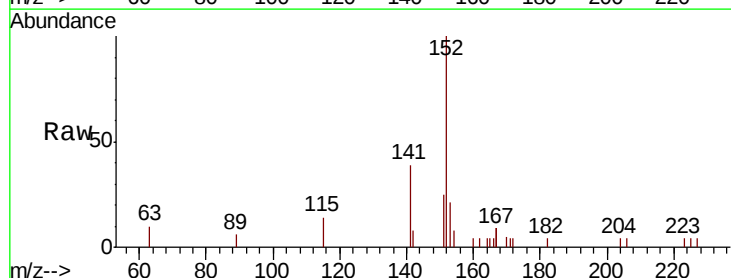
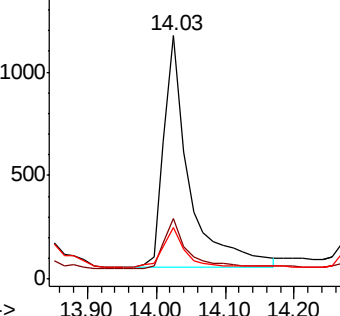
Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.6	25.0
153	16.0	10.5	15.7#

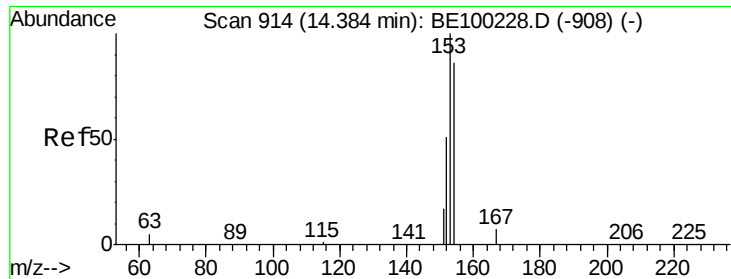
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





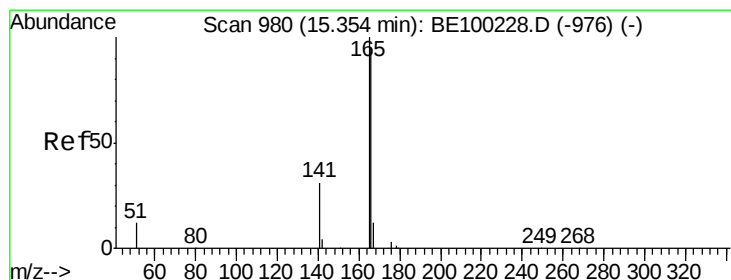
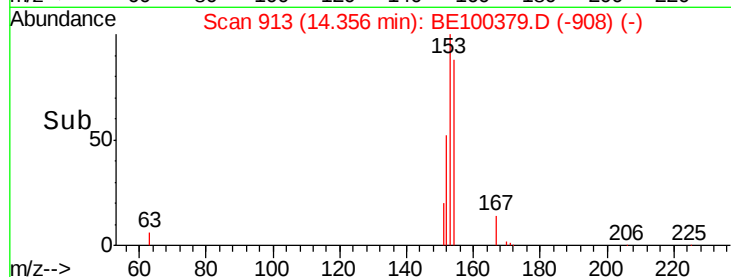
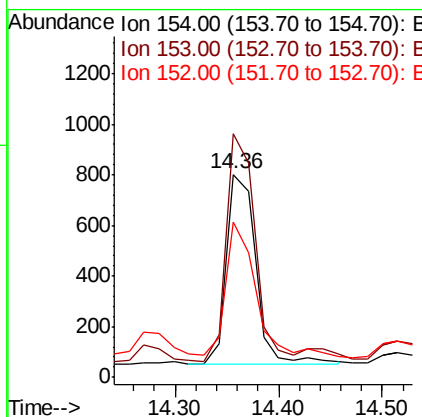
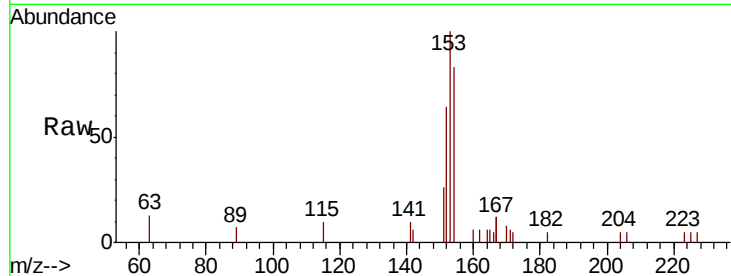
#17
Acenaphthene
Concen: 0.325 ng
RT: 14.36 min Scan# 913
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.2	93.4	140.2
152	71.1	49.4	74.2

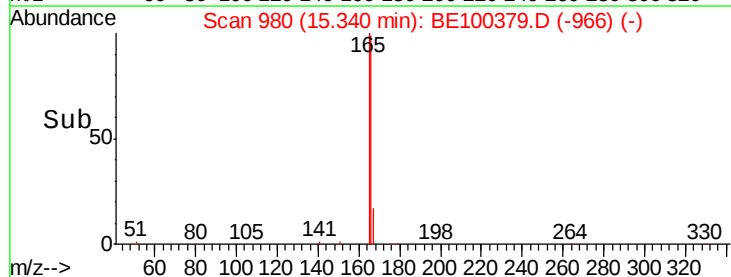
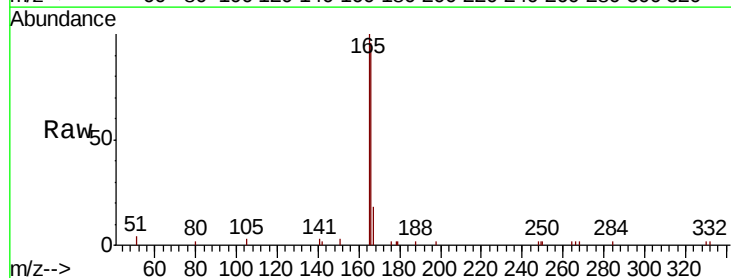
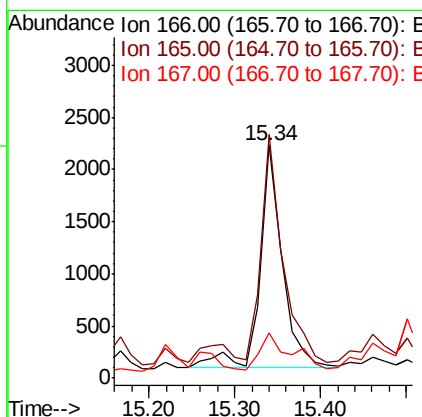
Manual Integrations
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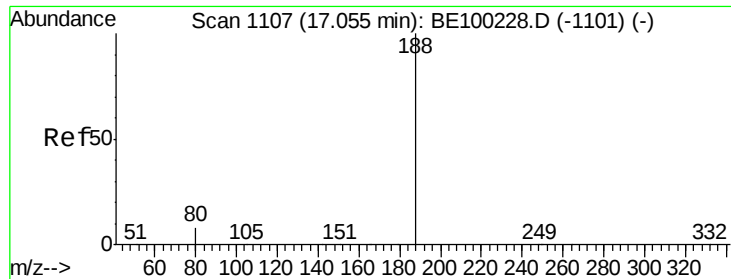
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#18
Fluorene
Concen: 0.579 ng
RT: 15.34 min Scan# 980
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	81.1	121.7
167	22.0	10.7	16.1#





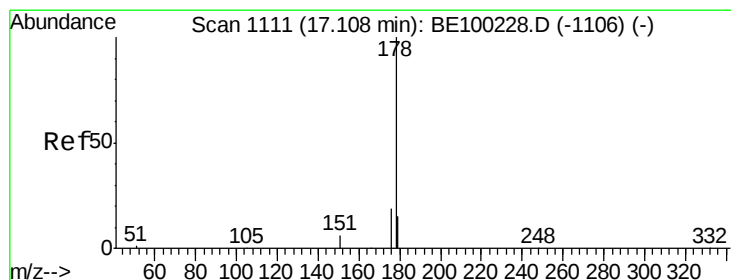
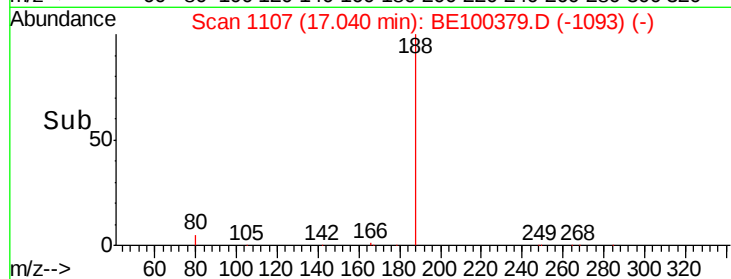
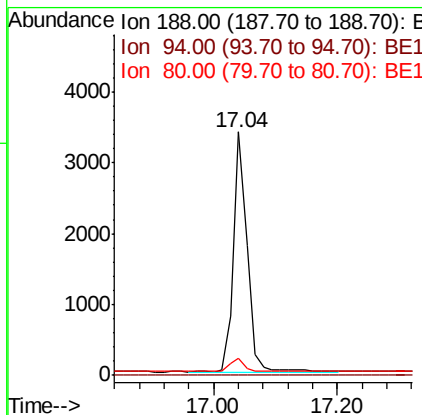
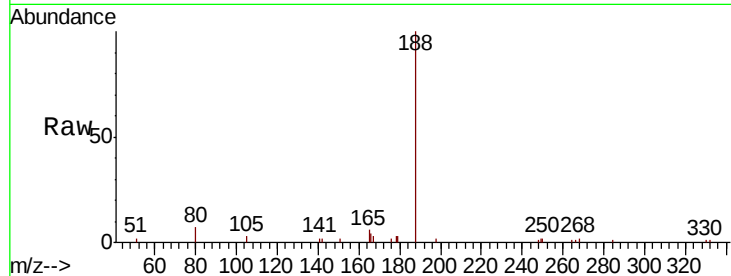
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1107
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5211		
94	0.0	0.0	0.0	
80	6.9	7.6	11.4	

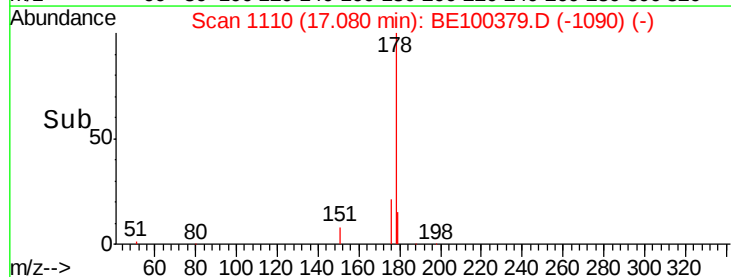
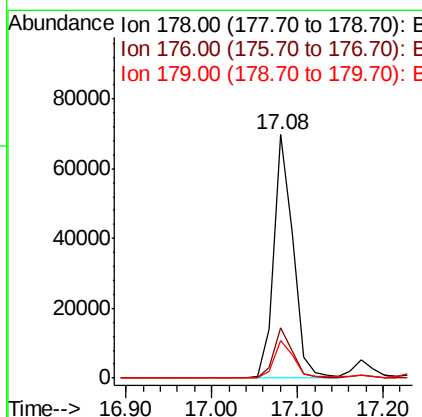
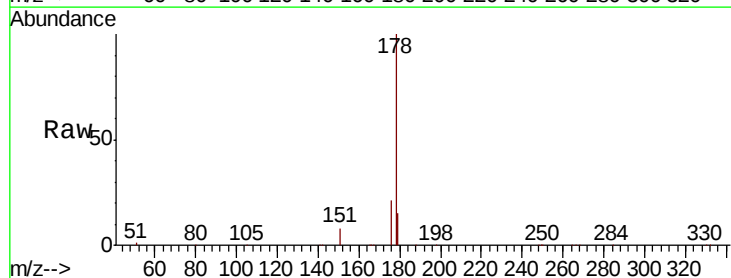
Manual Integrations
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#23
Phenanthrene
Concen: 8.549 ng
RT: 17.08 min Scan# 1110
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	107972		
176	20.0	15.9	23.9	
179	15.7	12.2	18.2	





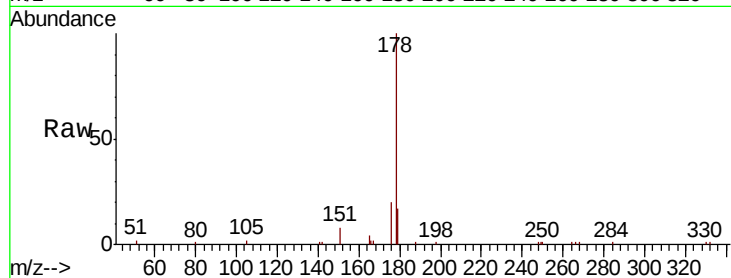
#24
 Anthracene
 Concen: 0.583 ng
 RT: 17.17 min Scan# 1117
 Delta R.T. -0.03 min
 Lab File: BE100379.D
 Acq: 5 Jul 2019 13:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	17.6	12.2	18.2

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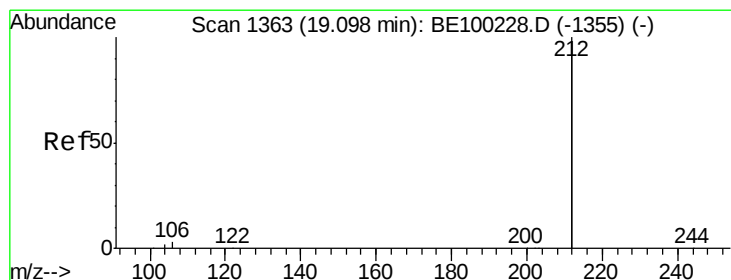
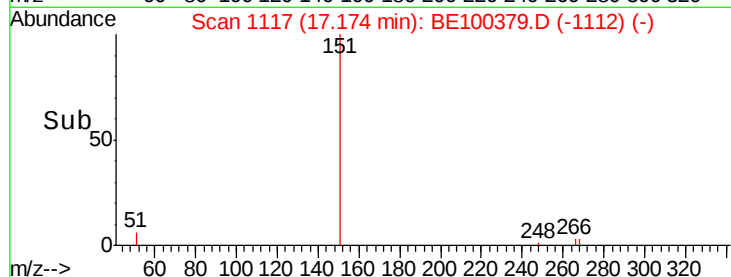
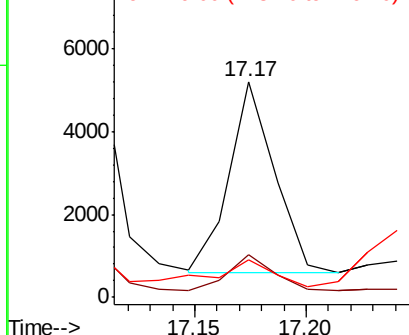


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25
 Fluoranthene-d10
 Concen: 0.160 ng
 RT: 19.08 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: BE100379.D
 Acq: 5 Jul 2019 13:44

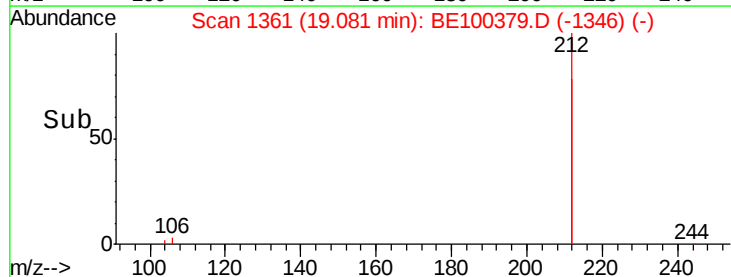
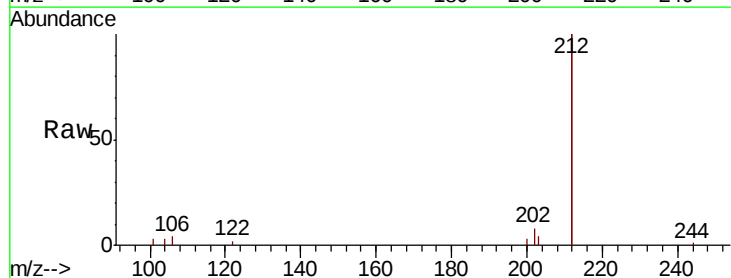
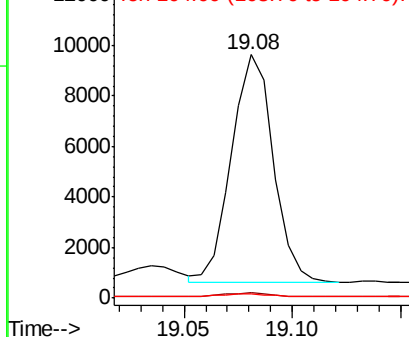
Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.4	1.3	1.9
104	1.0	0.8	1.2

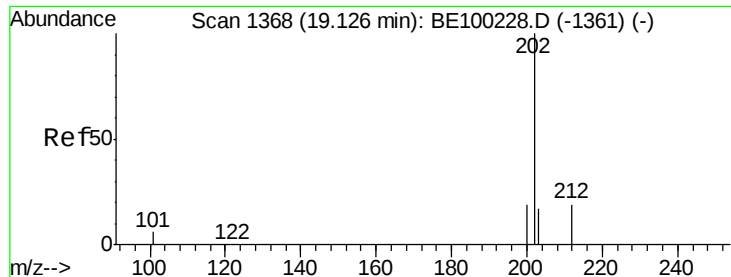
Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





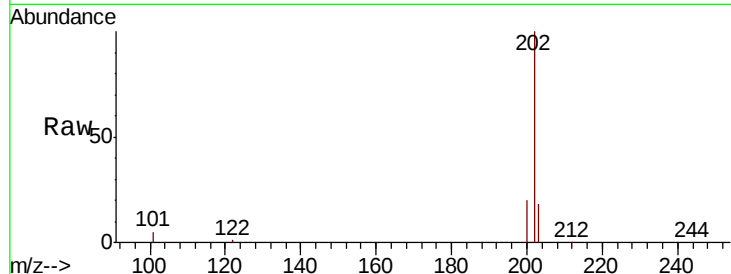
#26
Fluoranthene
Concen: 8.315 ng
RT: 19.11 min Scan# 1366
Delta R.T. -0.02 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.6	7.0
203	17.9	13.7	20.5

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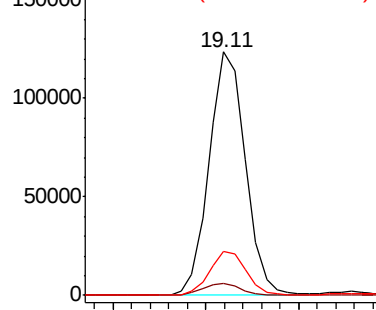


Abundance

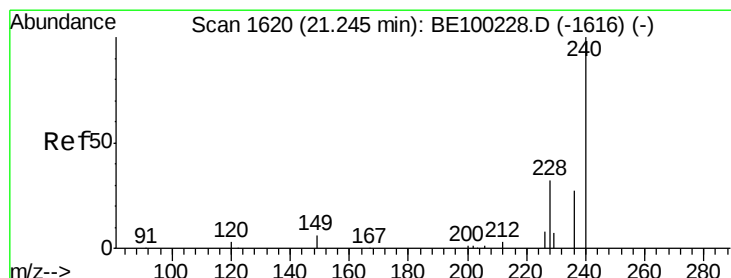
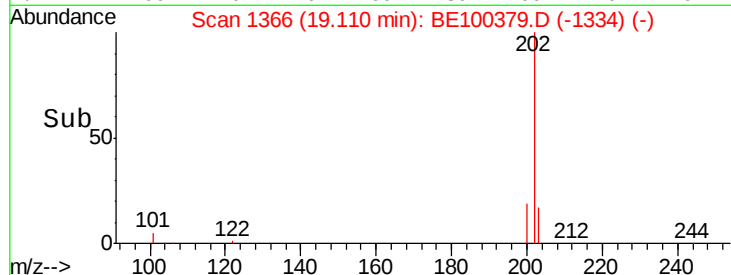
Ion 202.00 (201.70 to 202.70): E

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: 21.23 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

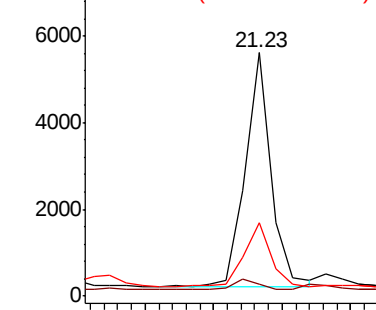
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.3	4.9
236	30.2	22.6	34.0

Abundance

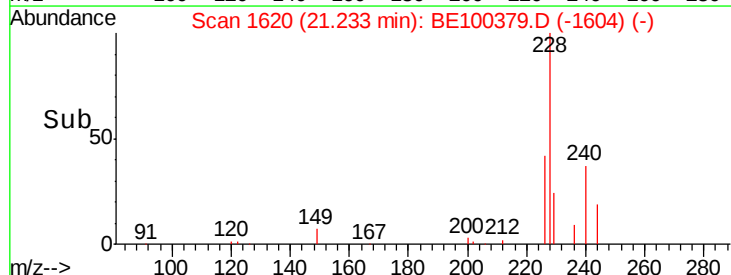
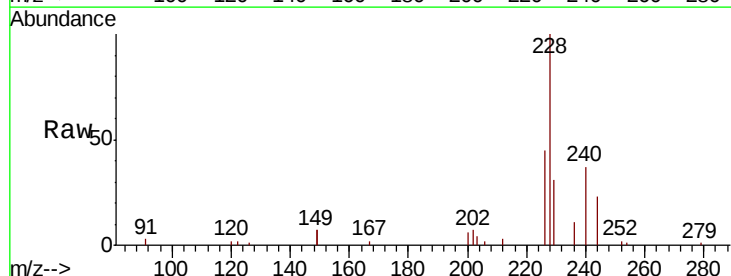
Ion 240.00 (239.70 to 240.70): E

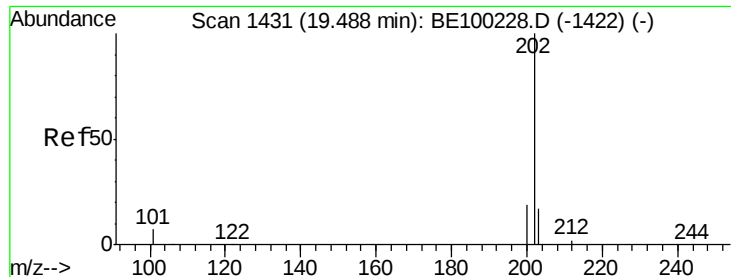
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





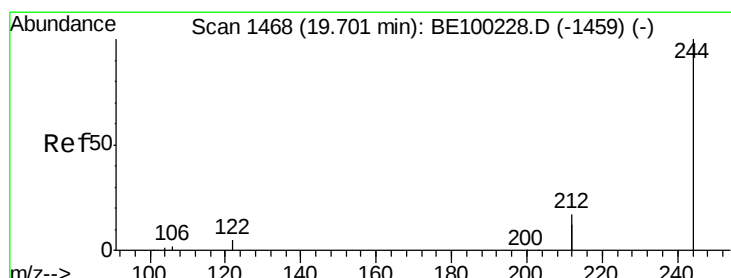
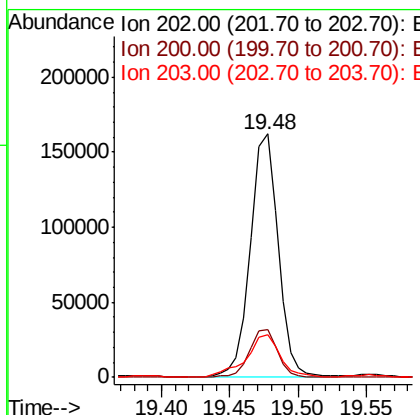
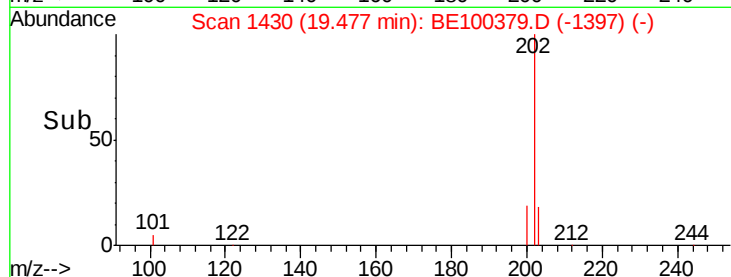
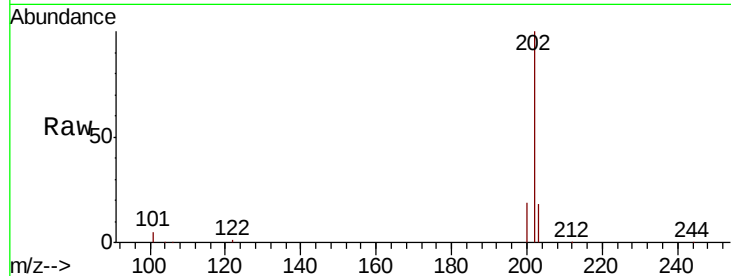
#28
Pvrene
Concen: 12.277 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.0	14.0	21.0

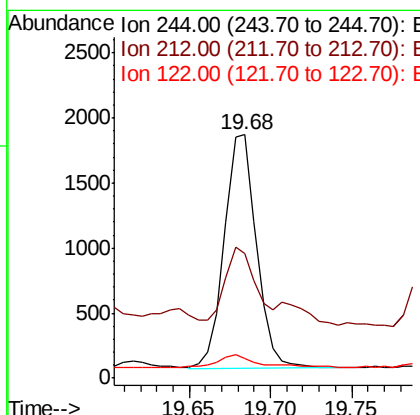
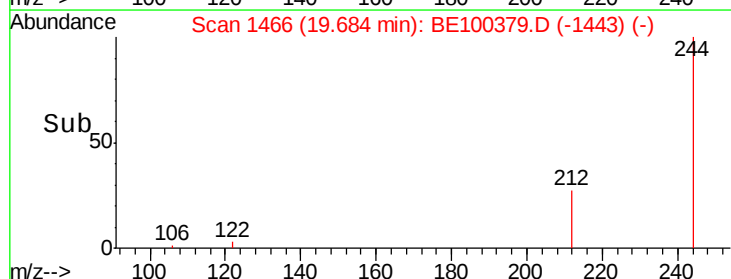
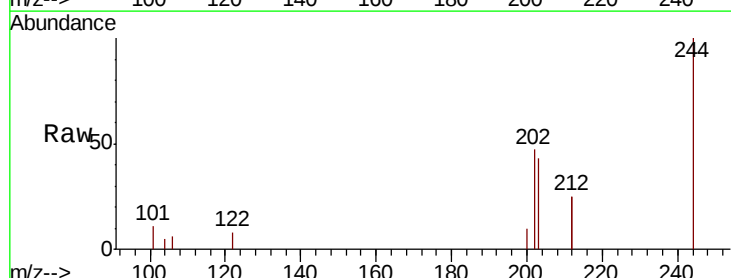
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#29
Terphenyl-d14
Concen: 0.171 ng
RT: 19.68 min Scan# 1466
Delta R.T. -0.02 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	51.0	27.3	40.9#
122	7.9	4.7	7.1#





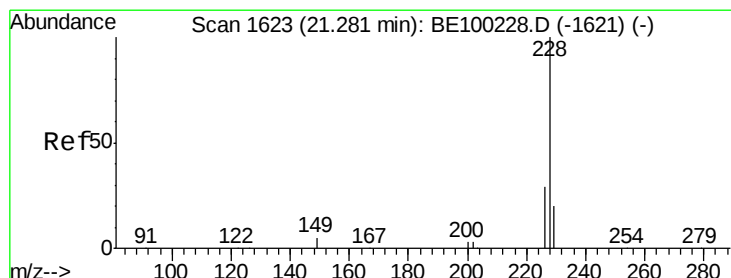
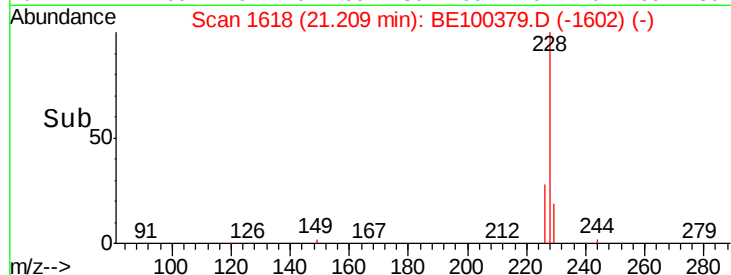
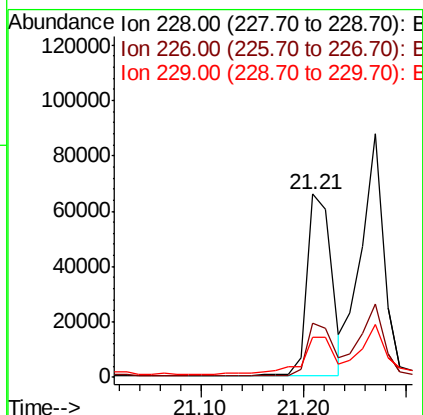
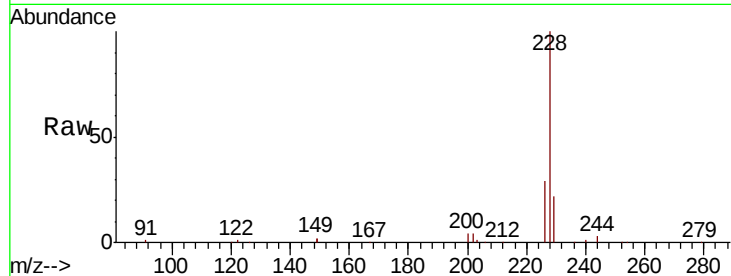
#30
Benzo(a)anthracene
Concen: 4.724 ng
RT: 21.21 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	21.9	15.7	23.5

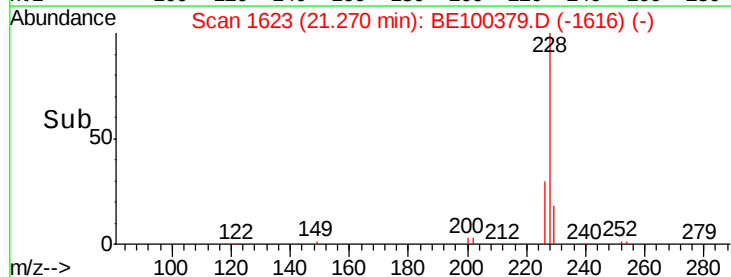
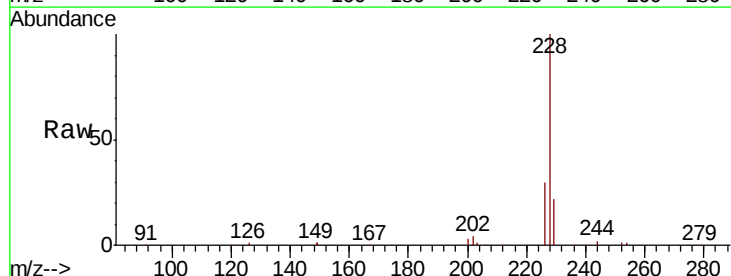
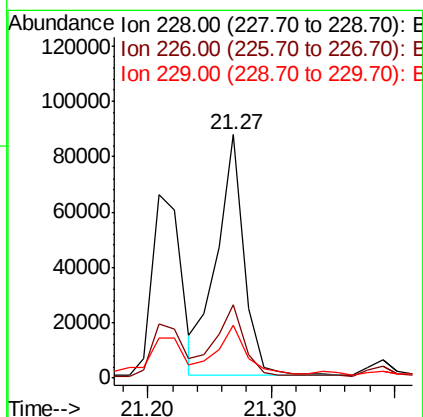
Manual Integrations
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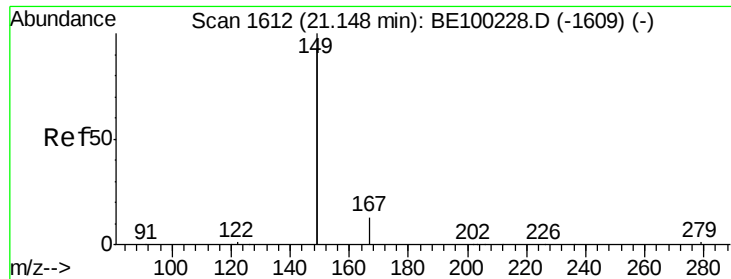
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#31
Chrysene
Concen: 5.785 ng
RT: 21.27 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.9	16.5	24.7





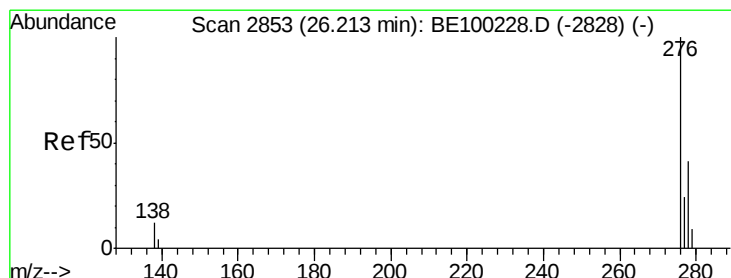
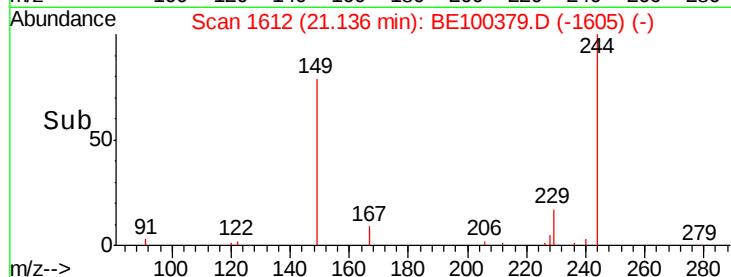
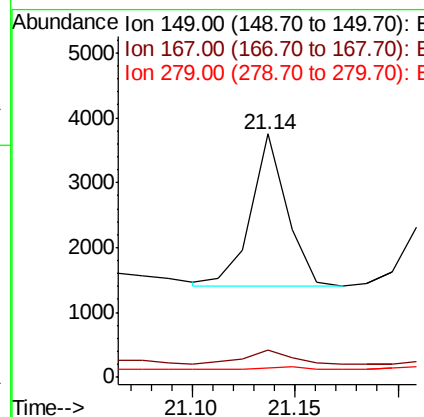
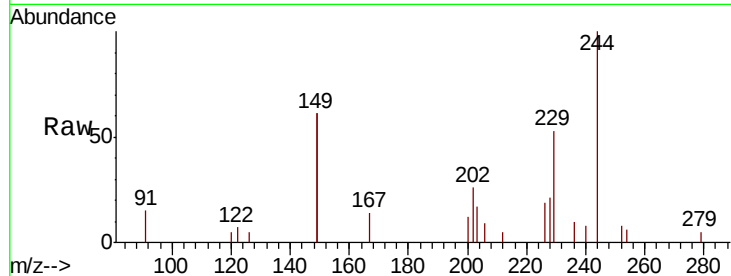
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.031 ng
 RT: 21.14 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BE100379.D
 Acq: 5 Jul 2019 13:44

Instrument :
 BNA_E
 ClientSampleId :
 EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
149	100		
167	13.8	5.8	8.8#
279	2.0	1.1	1.7#

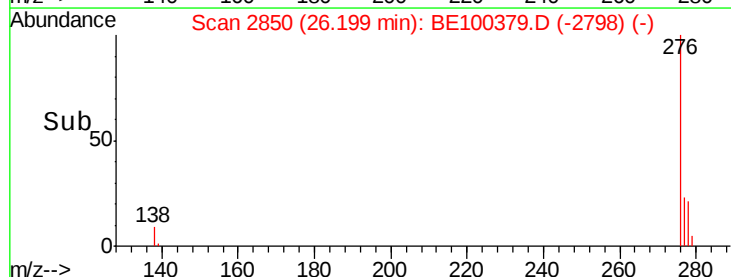
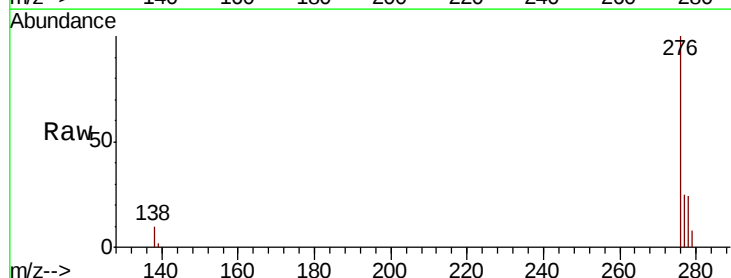
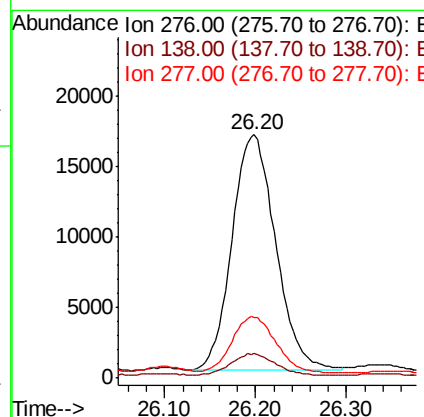
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.826 ng
 RT: 26.20 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BE100379.D
 Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.3	9.4	14.0#
277	24.1	19.2	28.8





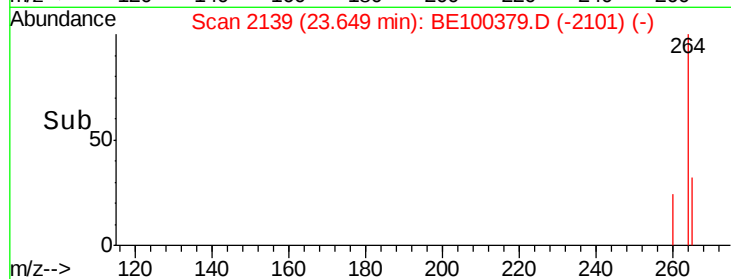
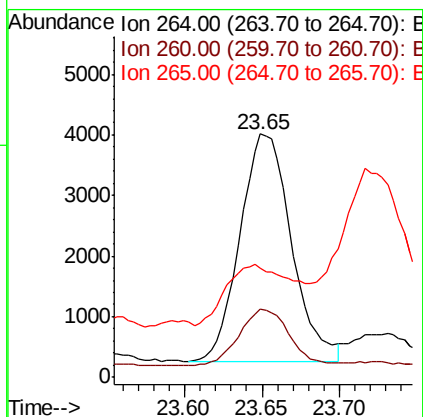
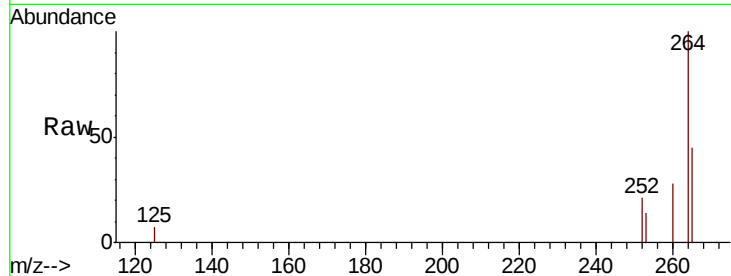
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.65 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.1	20.8	31.2
265	45.1	21.8	32.6

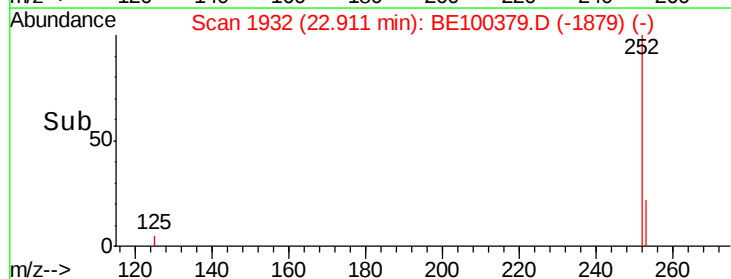
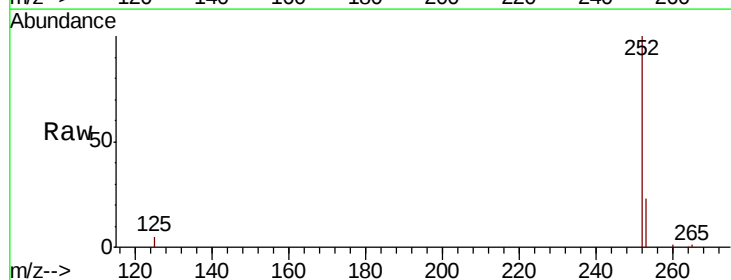
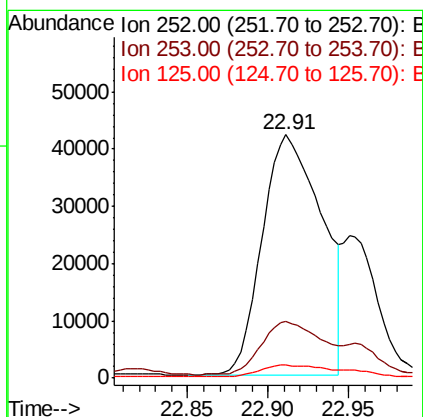
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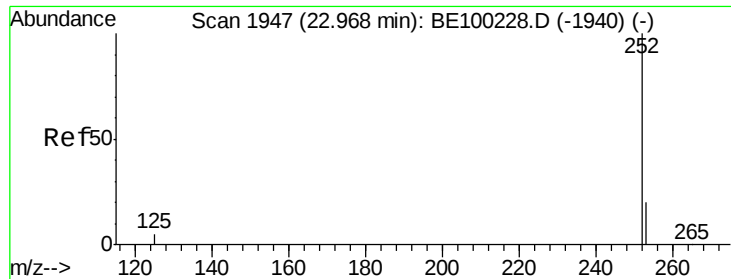
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#35
Benzo(b)fluoranthene
Concen: 4.607 ng
RT: 22.91 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.2	28.8
125	5.5	7.4	11.0





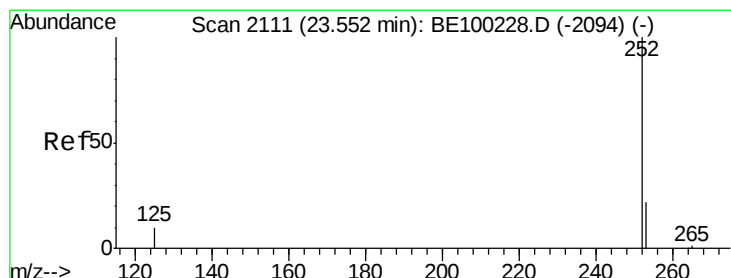
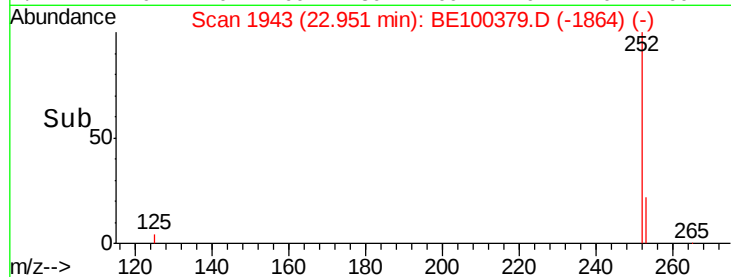
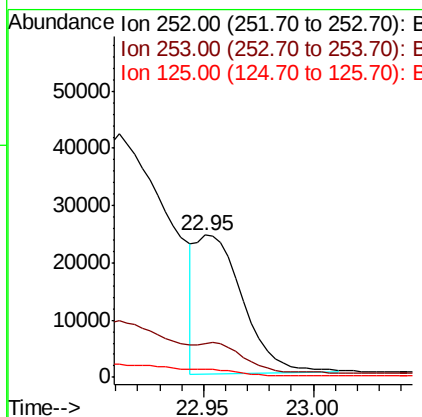
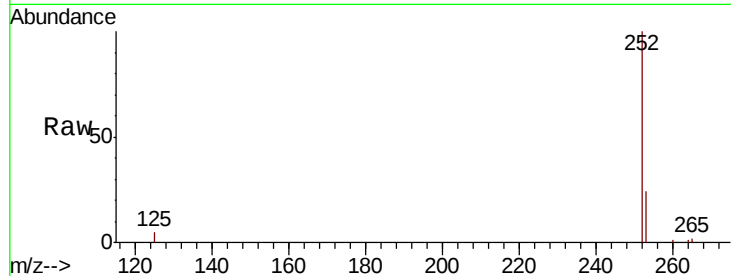
#36
Benzo(k)fluoranthene
Concen: 1.385 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.02 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	5.4	5.0	7.4

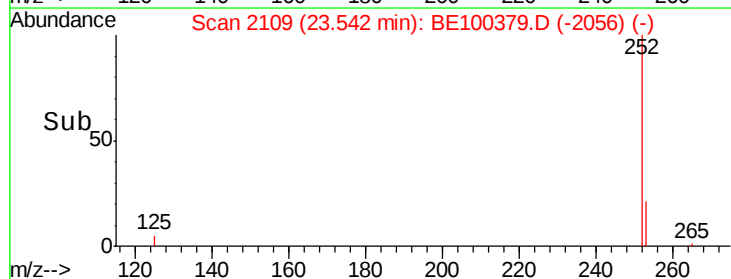
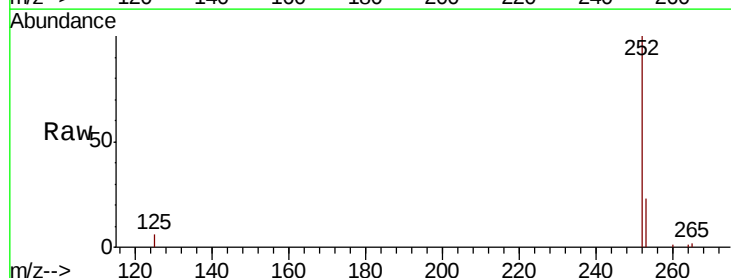
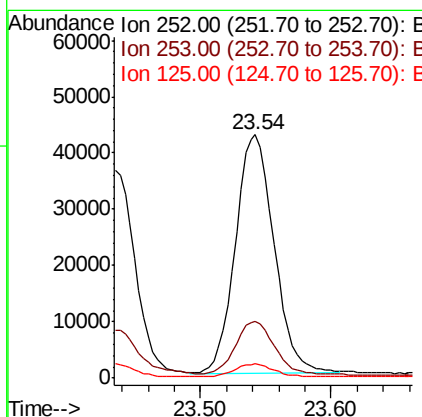
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#37
Benzo(a)pyrene
Concen: 3.676 ng m
RT: 23.54 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.6	29.4
125	5.8	9.0	13.6





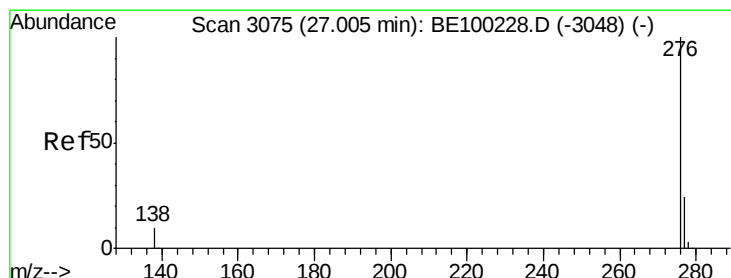
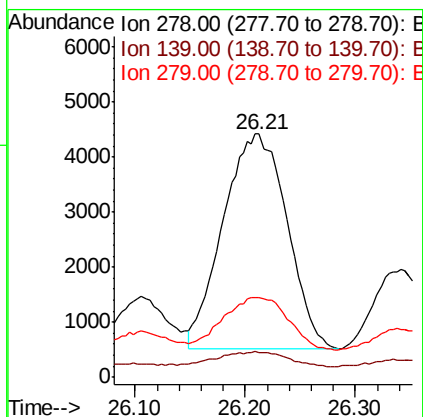
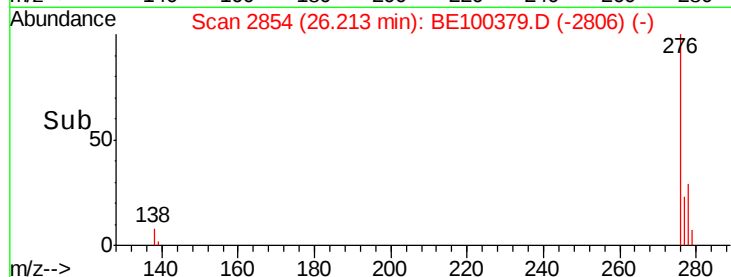
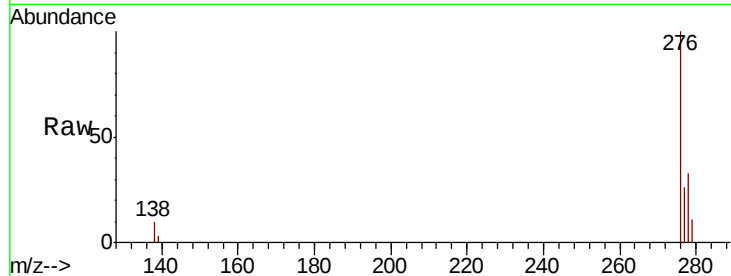
#38
Dibenzo(a,h)anthracene
Concen: 0.636 ng
RT: 26.21 min Scan# 2854
Delta R.T. -0.03 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Instrument :
BNA_E
ClientSampleId :
EXT-016-SW095-062619

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.2	12.2
279	32.9	20.3	30.5

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#39
Benzo(g,h,i)perylene
Concen: 2.629 ng
RT: 26.99 min Scan# 3071
Delta R.T. -0.02 min
Lab File: BE100379.D
Acq: 5 Jul 2019 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	20.2	30.2
138	9.8	9.0	13.6

