

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070819\
 Data File : BE100413.D
 Acq On : 8 Jul 2019 15:35
 Operator : JU/SJ
 Sample : K3558-03DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW087-062519DL

Manual Integrations
 APPROVED

mohammad
 7/10/2019 9:04:01 AM

Quant Time: Jul 08 19:01:40 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jul 08 15:19:44 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	386	0.40	ng	0.00
7) Naphthalene-d8	10.42	136	1485	0.40	ng	0.00
13) Acenaphthene-d10	14.30	164	1242	0.40	ng	0.00
19) Phenanthrene-d10	17.04	188	4288	0.40	ng	0.00
27) Chrysene-d12	21.22	240	6161	0.40	ng	-0.01
34) Perylene-d12	23.63	264	7726	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.18	112	66	0.07	ng	0.00
5) Phenol-d6	6.87	99	30	0.02	ng	0.02
8) Nitrobenzene-d5	8.85	82	51	0.03	ng	0.04
11) 2-Methylnaphthalene-d10	12.02	152	130	0.05	ng	-0.01
14) 2,4,6-Tribromophenol	15.79	330	55	0.06	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	225	0.05	ng	-0.01
25) Fluoranthene-d10	19.07	212	2487	0.04	ng	0.00
29) Terphenyl-d14	19.67	244	570	0.04	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.46	128	1682	0.103	ng	# 87
12) 2-Methylnaphthalene	12.11	142	286	0.100	ng	92
16) Acenaphthylene	14.01	152	2243	0.376	ng	100
17) Acenaphthene	14.36	154	182	0.054	ng	85
18) Fluorene	15.34	166	721	0.144	ng	# 87
23) Phenanthrene	17.08	178	21545	2.073	ng	100
24) Anthracene	17.17	178	1542	0.165	ng	# 88
26) Fluoranthene	19.10	202	34771	2.100	ng	99
28) Pyrene	19.47	202	50846	3.117	ng	97
30) Benzo(a)anthracene	21.21	228	22899	1.130	ng	93
31) Chrysene	21.26	228	33523	1.648	ng	99
32) Bis(2-ethylhexyl)phthalate	21.12	149	2930	0.045	ng	97
33) Indeno(1,2,3-cd)pyrene	26.17	276	15524	0.577	ng	97
35) Benzo(b)fluoranthene	22.90	252	29296m	1.399	ng	
36) Benzo(k)fluoranthene	22.94	252	8973m	0.384	ng	
37) Benzo(a)pyrene	23.52	252	22606m	1.077	ng	
38) Dibenzo(a,h)anthracene	26.18	278	4135	0.189	ng	# 83
39) Benzo(g,h,i)perylene	26.95	276	19009	0.844	ng	98

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

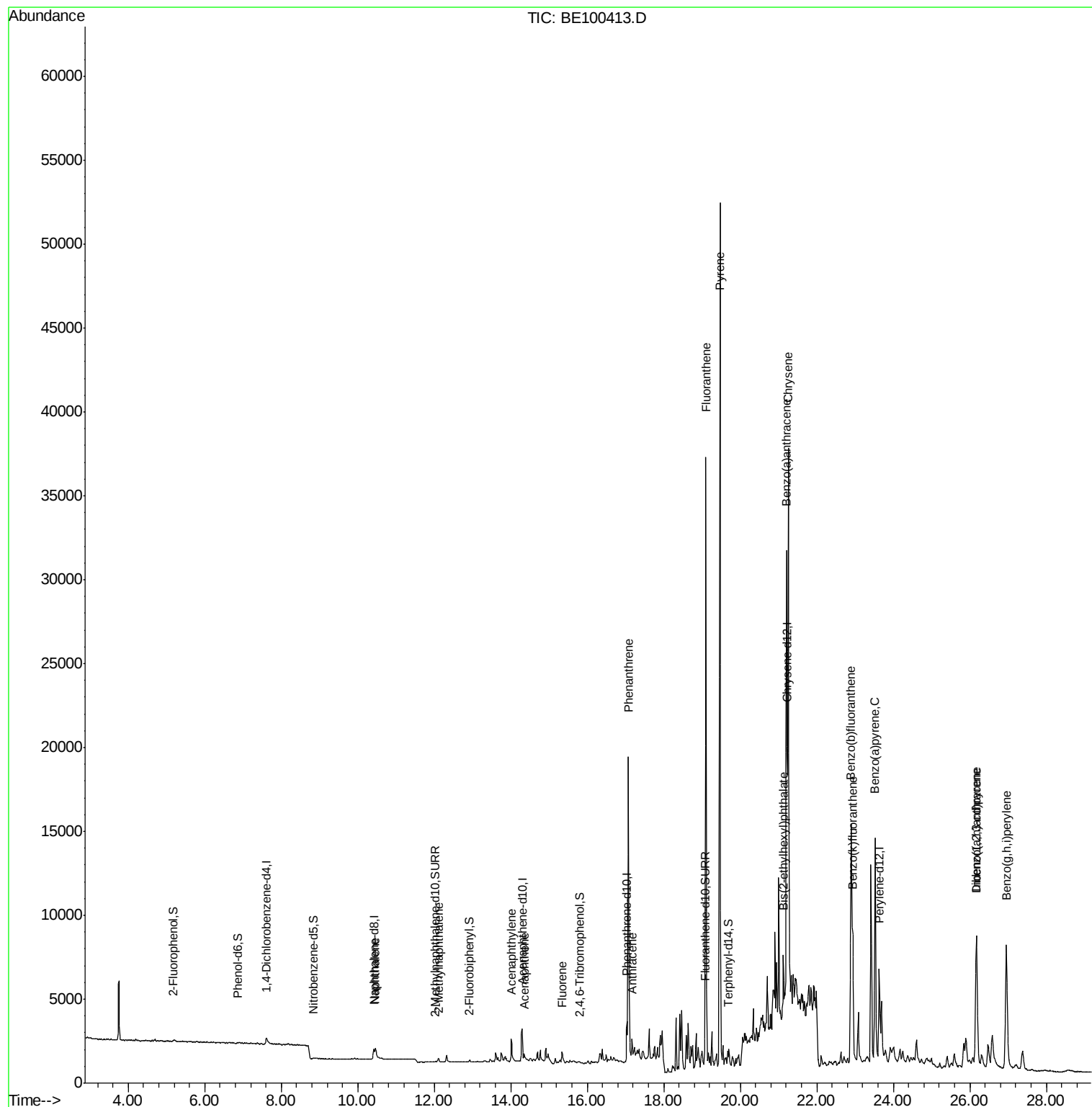
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070819\
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ALS Vial : 8 Sample Multiplier: 1

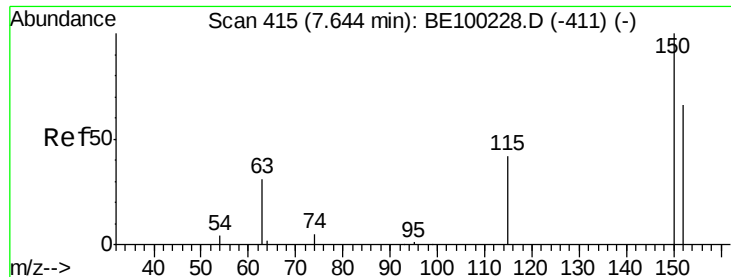
Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 413

Delta R.T. 0.01 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Instrument :

BNA_E

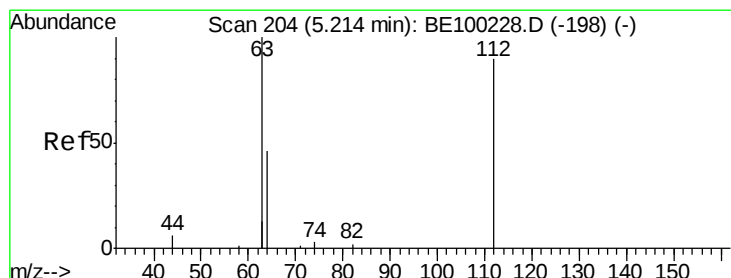
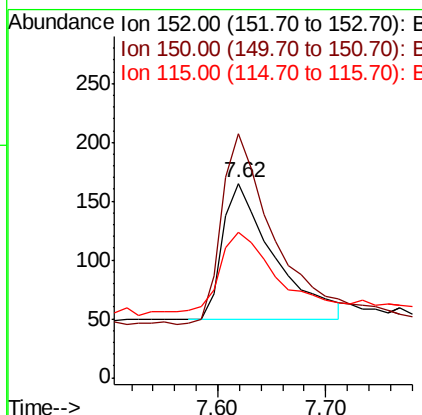
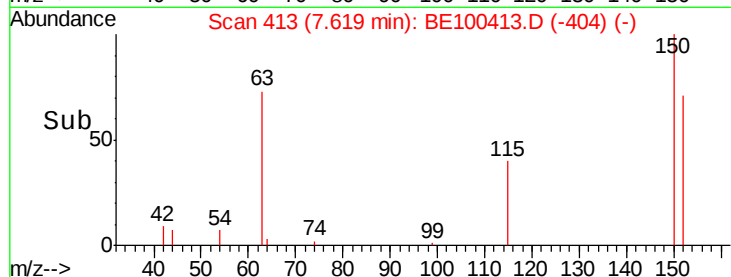
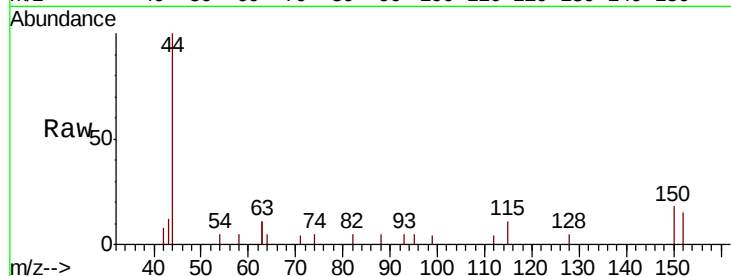
ClientSampled :

EXT-015-SW087-062519DL

Tgt Ion:	152	Resp:	386
Ion	Ratio	Lower	Upper
152	100		
150	125.5	99.6	149.4
115	74.5	61.4	92.0

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#4

2-Fluorophenol

Concen: 0.067 ng

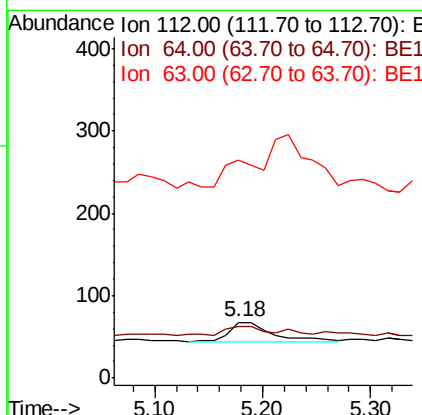
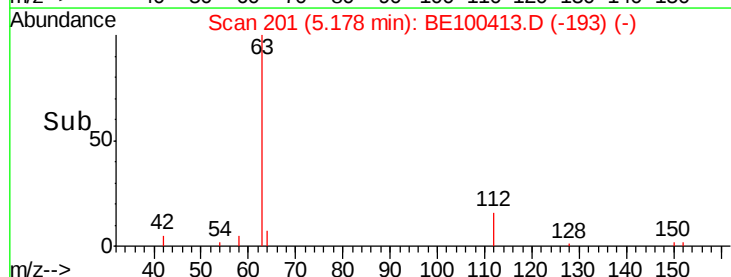
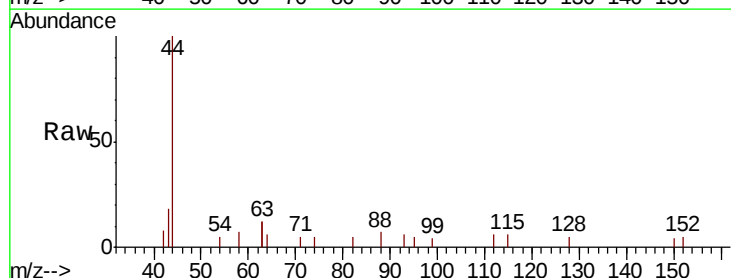
RT: 5.18 min Scan# 201

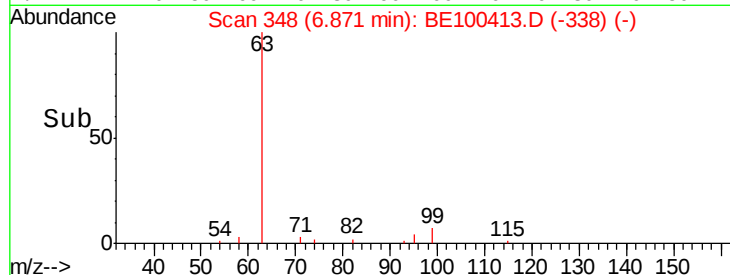
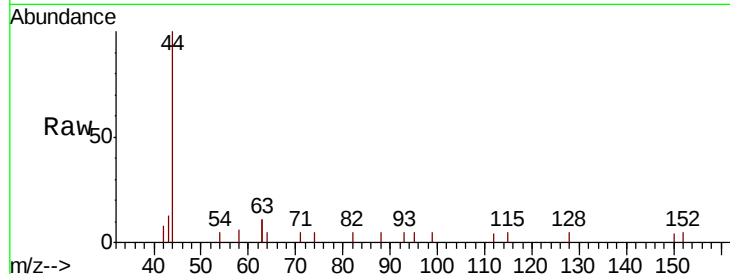
Delta R.T. -0.00 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Tgt Ion:	112	Resp:	66
Ion	Ratio	Lower	Upper
112	100		
64	47.0	44.7	67.1
63	0.0	89.9	134.9#





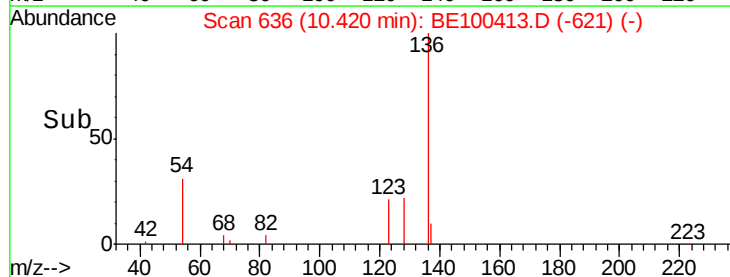
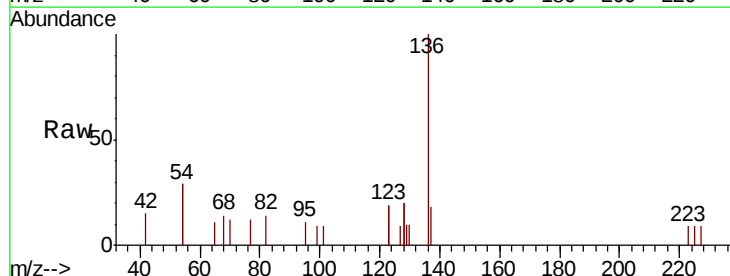
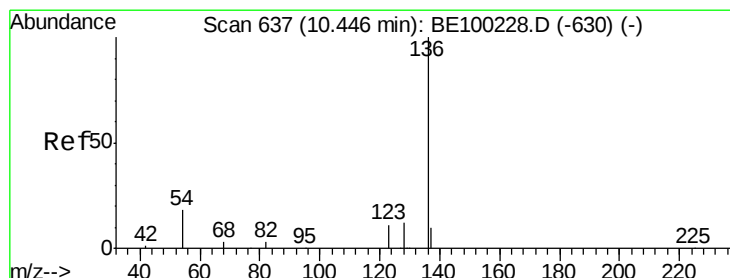
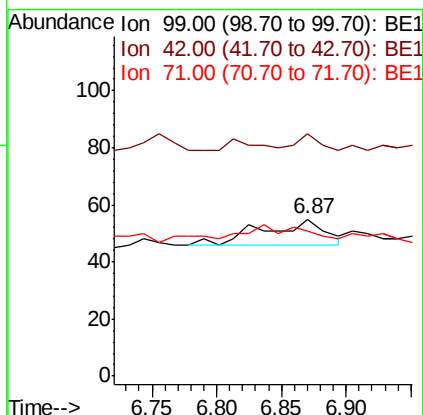
#5
Phenol-d6
Concen: 0.023 ng
RT: 6.87 min Scan# 348
Delta R.T. 0.02 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion: 99 Resp: 30
Ion Ratio Lower Upper
99 100
42 23.3 0.0 0.0#
71 0.0 34.6 51.8#

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

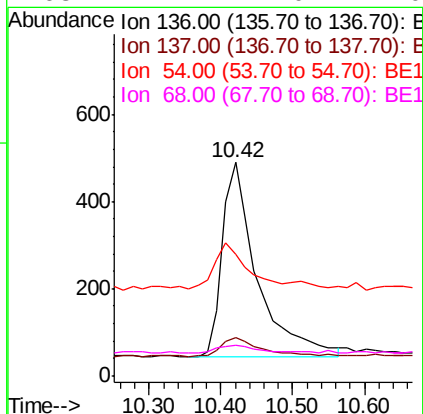
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.42 min Scan# 636
Delta R.T. 0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion: 136 Resp: 1485
Ion Ratio Lower Upper
136 100
137 18.2 17.4 26.2
54 57.1 59.0 88.4#
68 14.1 14.0 21.0





#8

Nitrobenzene-d5

Concen: 0.035 ng

RT: 8.85 min Scan# 515

Delta R.T. 0.04 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Instrument :

BNA_E

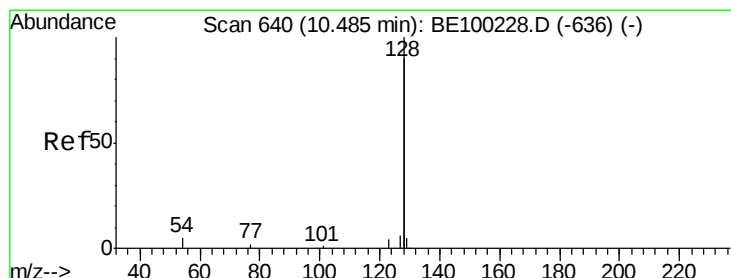
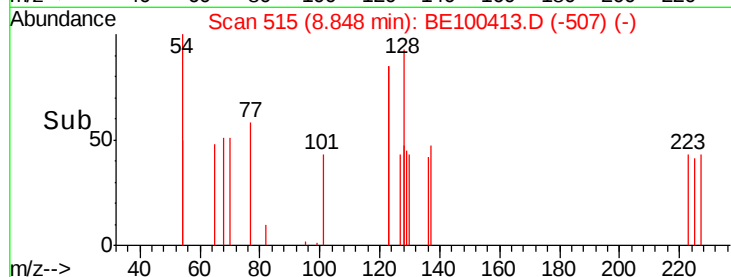
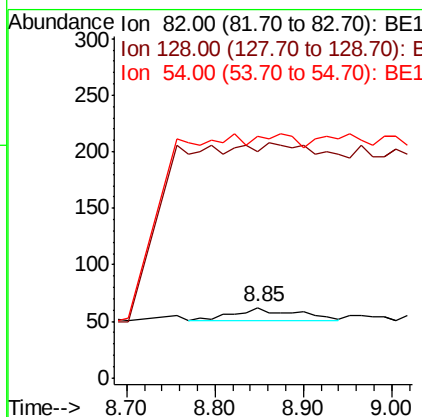
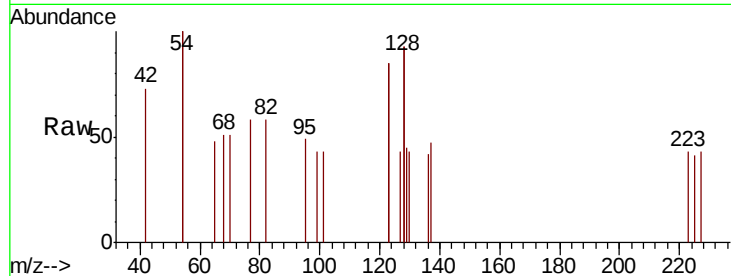
ClientSampleId :

EXT-015-SW087-062519DL

Tgt Ion:	82	Resp:	51
Ion Ratio	Lower	Upper	
82	100		
128	322.6	190.6	285.8#
54	345.2	201.5	302.3#

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#9

Naphthalene

Concen: 0.103 ng

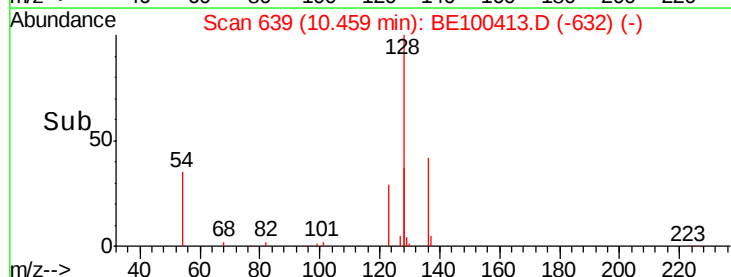
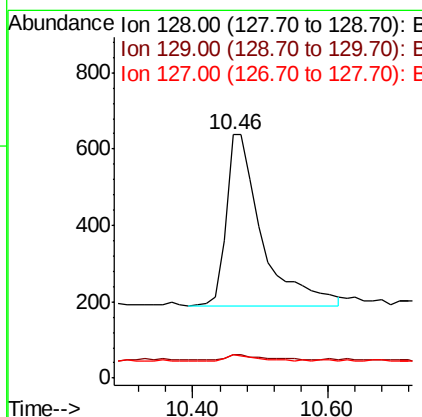
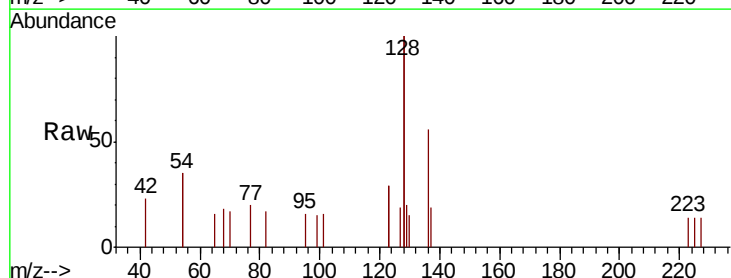
RT: 10.46 min Scan# 639

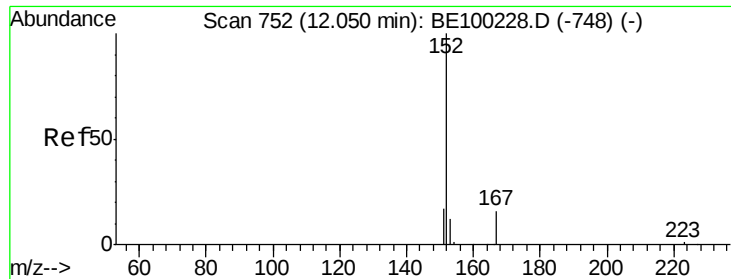
Delta R.T. -0.01 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Tgt Ion:	128	Resp:	1682
Ion Ratio	Lower	Upper	
128	100		
129	9.9	4.2	6.2#
127	9.7	4.4	6.6#





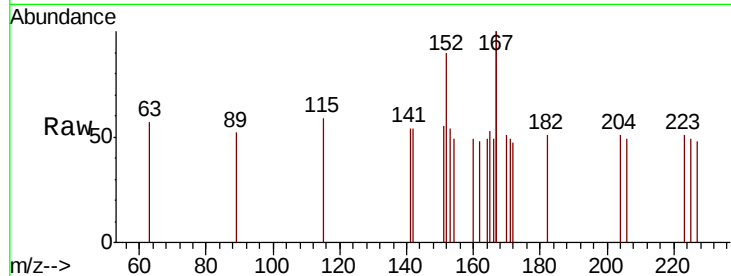
#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 12.02 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

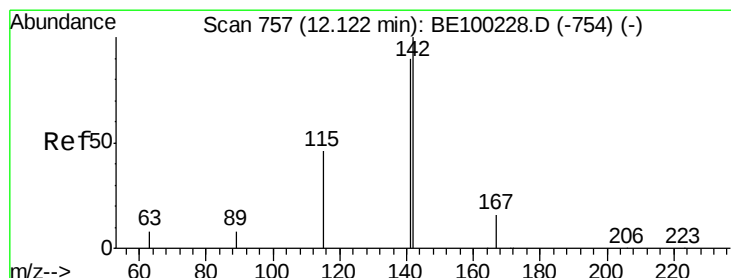
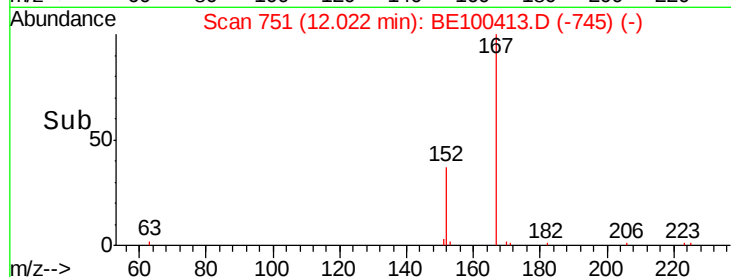
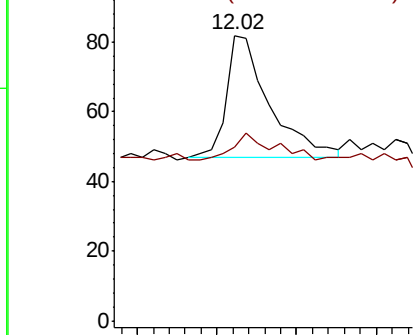
Tgt Ion:152 Resp: 130
Ion Ratio Lower Upper
152 100
151 22.3 16.8 25.2

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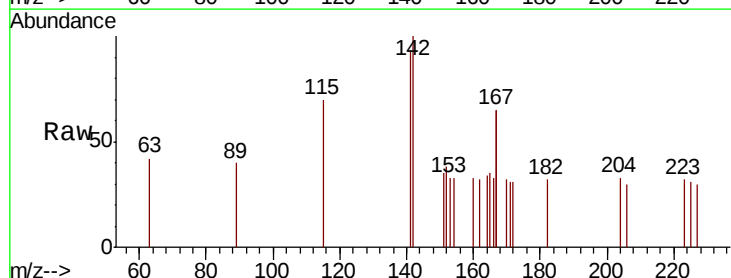


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E

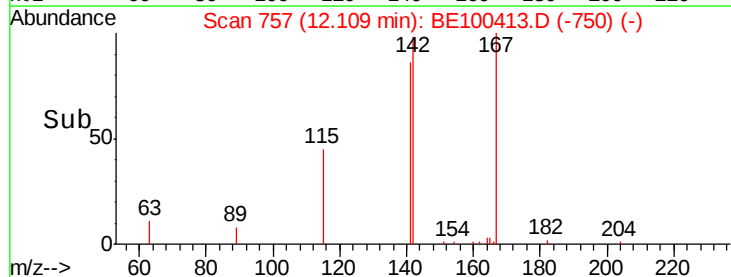
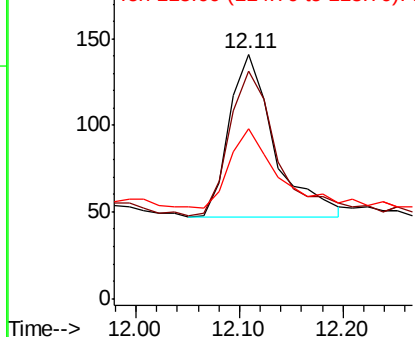


#12
2-Methylnaphthalene
Concen: 0.100 ng
RT: 12.11 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion:142 Resp: 286
Ion Ratio Lower Upper
142 100
141 92.9 71.3 106.9
115 69.5 47.4 71.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Instrument :

BNA_E

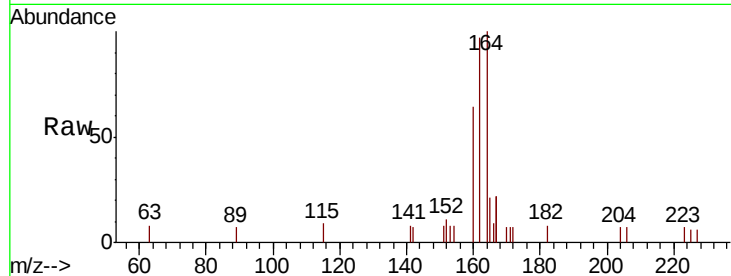
ClientSampleId :

EXT-015-SW087-062519DL

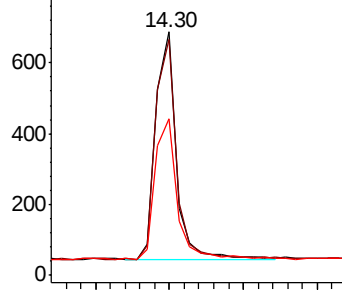
Tgt Ion:	164	Resp:	1242
Ion Ratio	Lower	Upper	
164	100		
162	96.9	78.9	118.3
160	64.2	53.7	80.5

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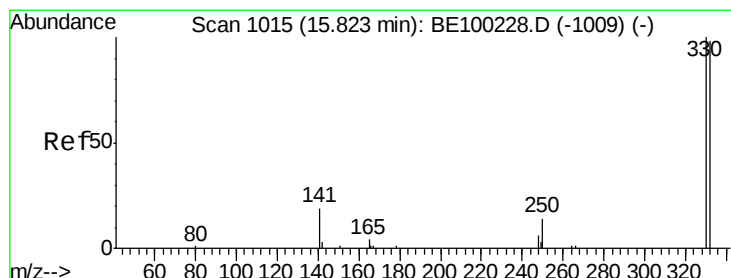
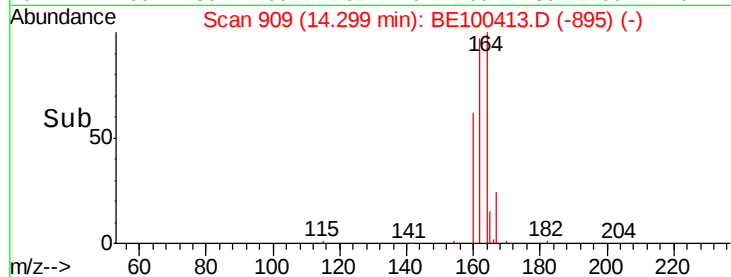
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.063 ng

RT: 15.79 min Scan# 1014

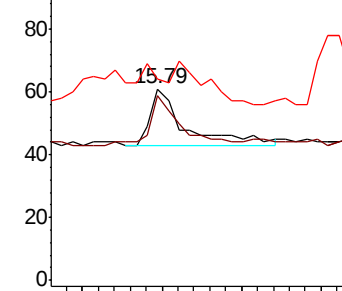
Delta R.T. -0.01 min

Lab File: BE100413.D

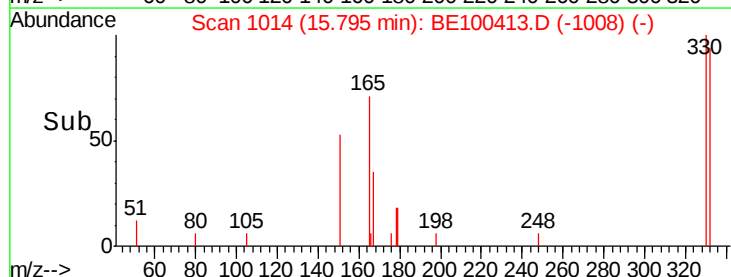
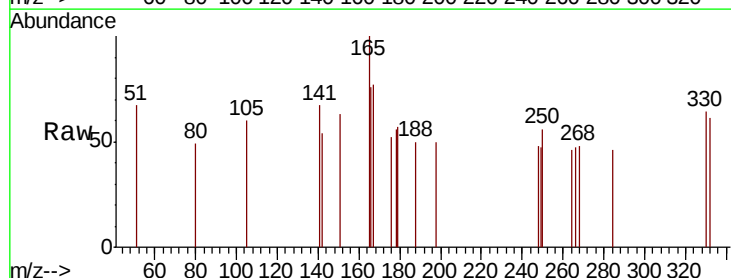
Acq: 8 Jul 2019 15:35

Tgt Ion:	330	Resp:	55
Ion Ratio	Lower	Upper	
330	100		
332	63.6	75.0	112.4#
141	10.9	19.0	28.6#

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



Time-->





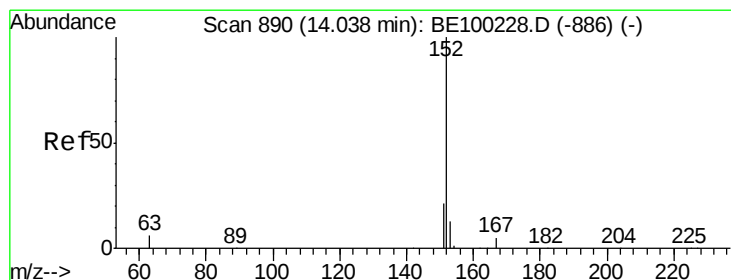
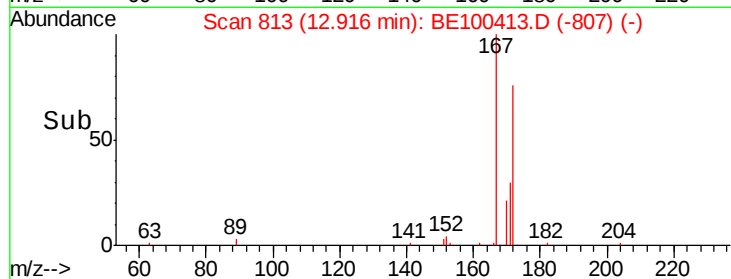
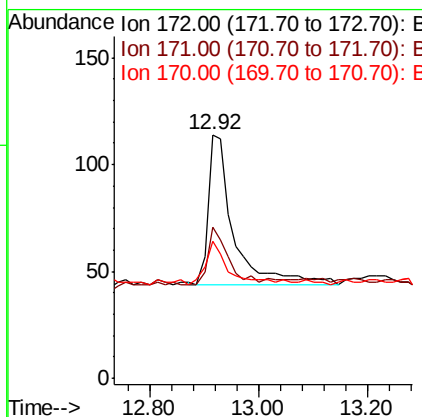
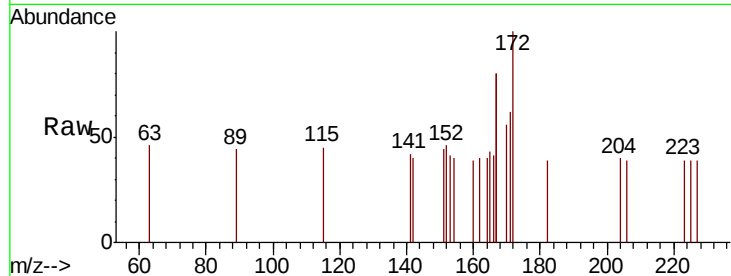
#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 12.92 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	62.3	33.2	49.8#
170	56.1	25.9	38.9#

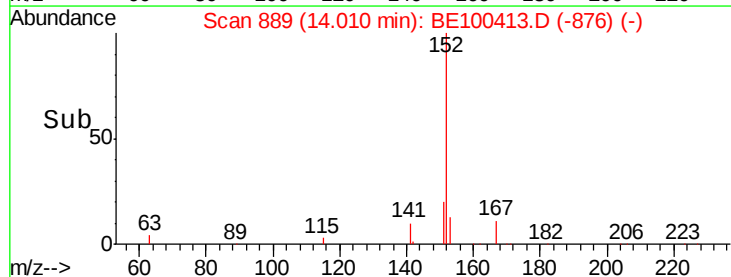
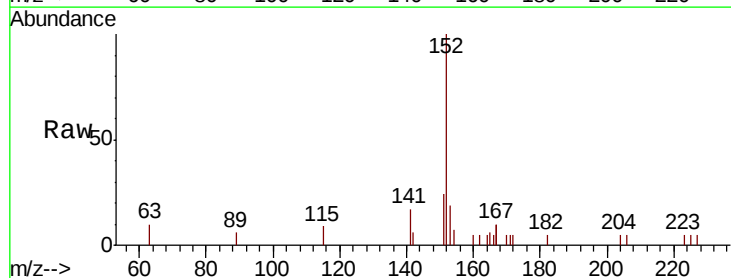
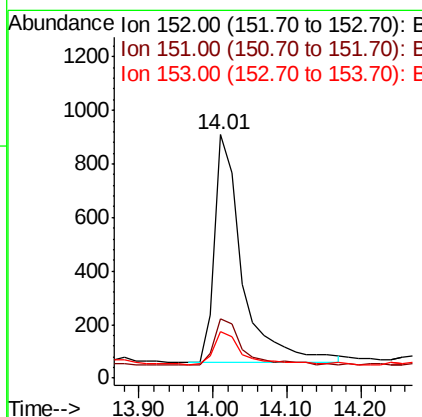
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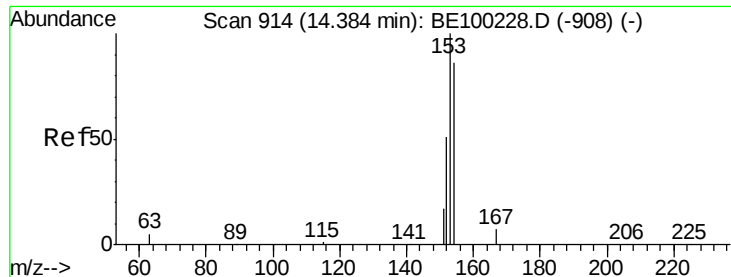
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#16
Acenaphthylene
Concen: 0.376 ng
RT: 14.01 min Scan# 889
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.0	25.6
153	13.6	11.2	16.8





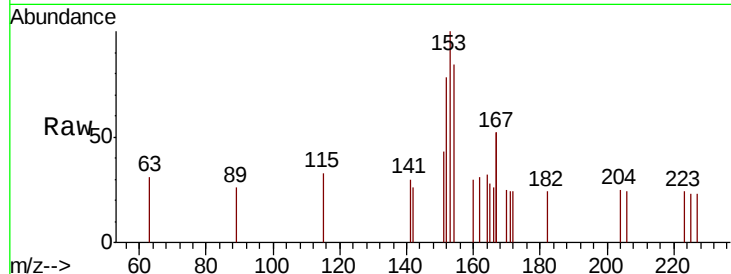
#17
Acenaphthene
Concen: 0.054 ng
RT: 14.36 min Scan# 913
Delta R.T. -0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	147.8	99.5	149.3
152	85.7	63.7	95.5

Manual Integrations
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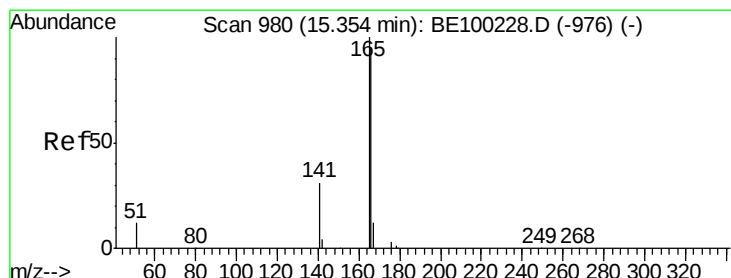
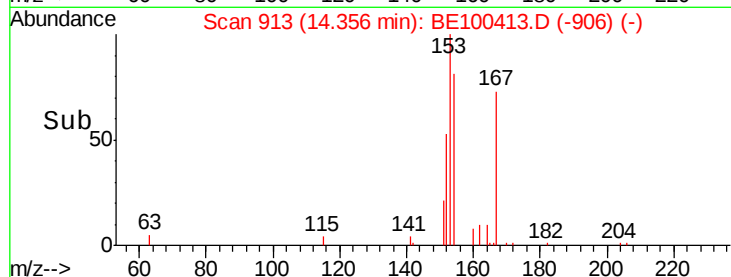
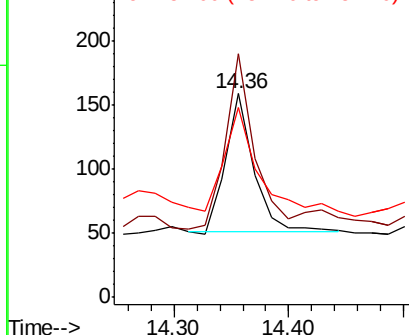


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.144 ng
RT: 15.34 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

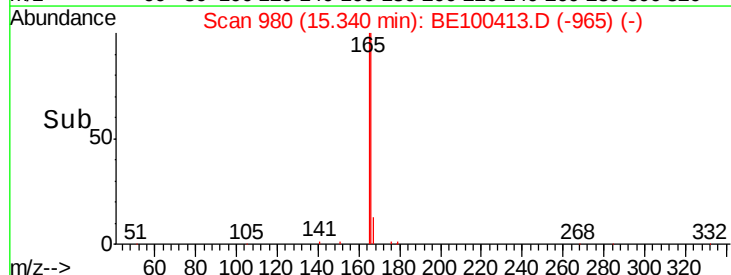
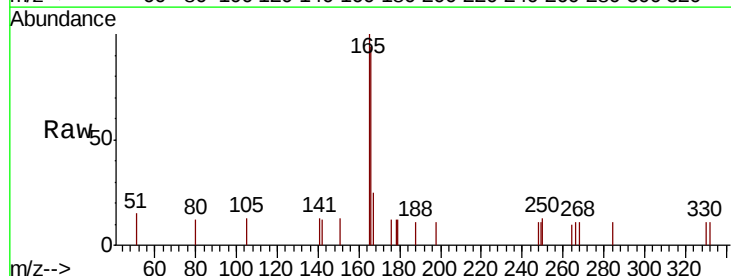
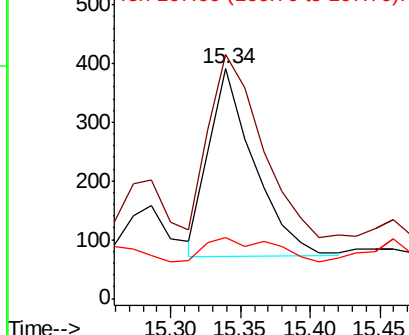
Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.4	82.3	123.5
167	19.3	9.9	14.9#

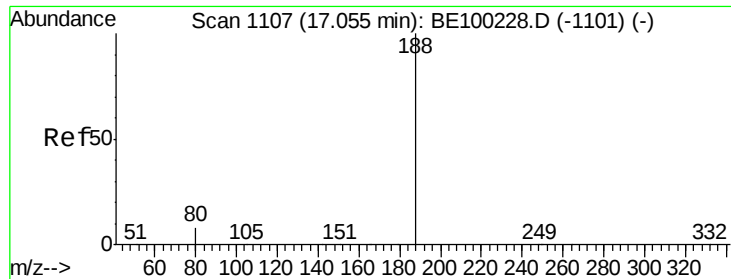
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





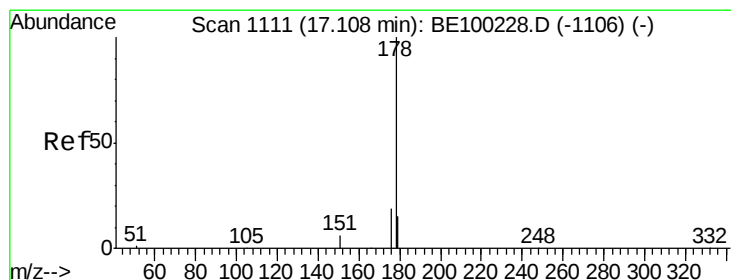
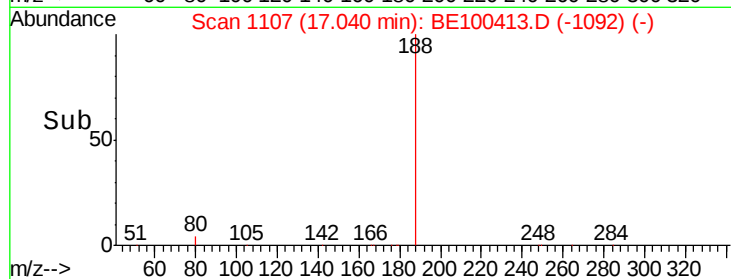
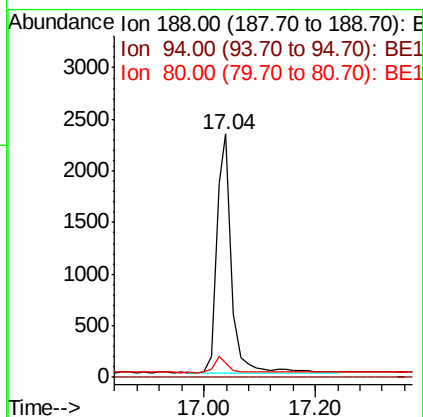
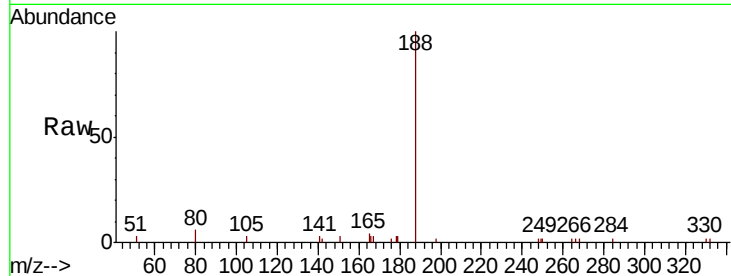
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.04 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.0	8.8	13.2#

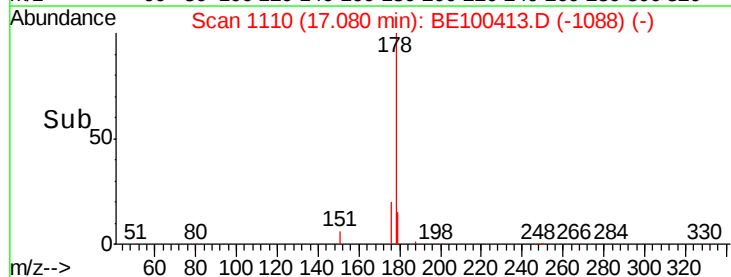
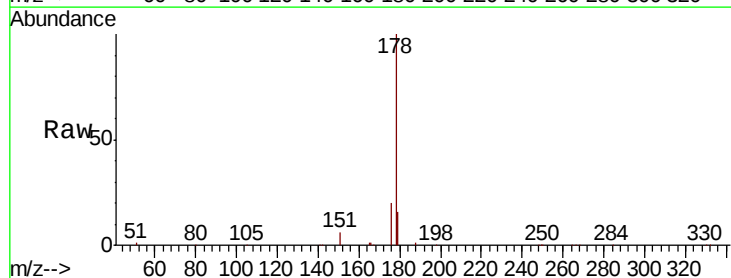
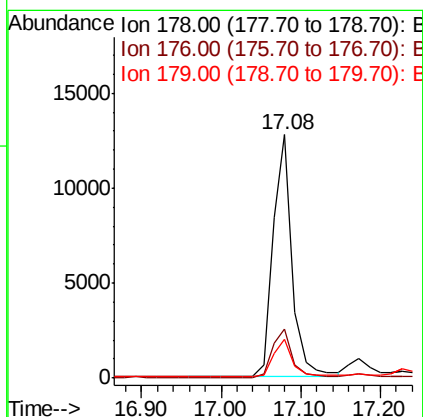
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#23
Phenanthrene
Concen: 2.073 ng
RT: 17.08 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.9	23.9
179	15.9	12.6	18.8





#24

Anthracene

Concen: 0.165 ng

RT: 17.17 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Instrument :

BNA_E

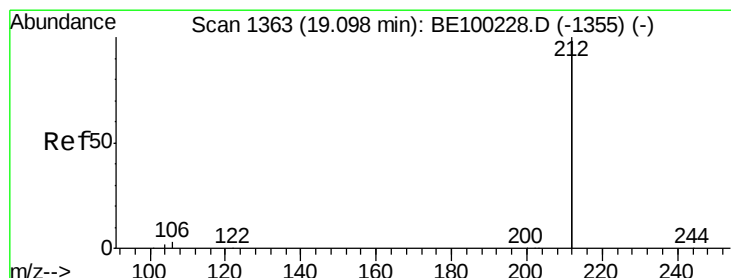
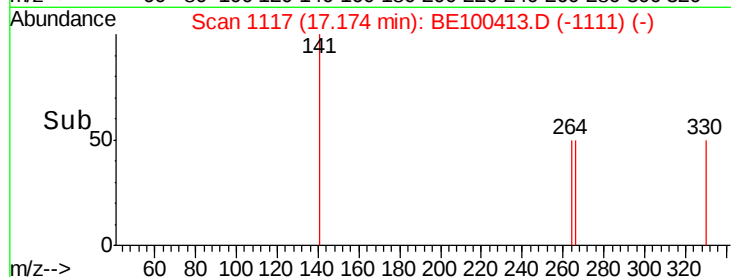
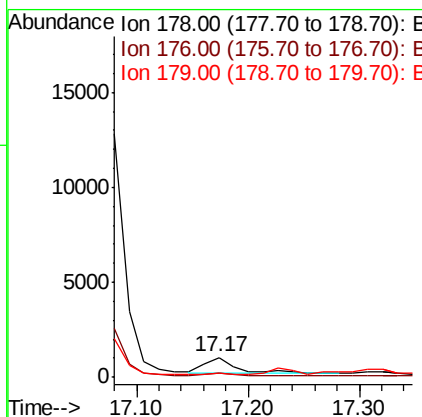
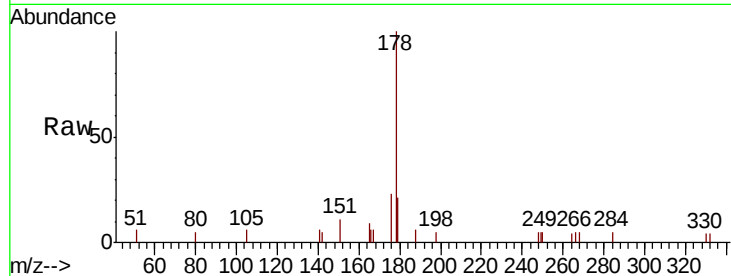
ClientSampleId :

EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.2	14.5	21.7
179	7.0	11.6	17.4

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#25

Fluoranthene-d10

Concen: 0.040 ng

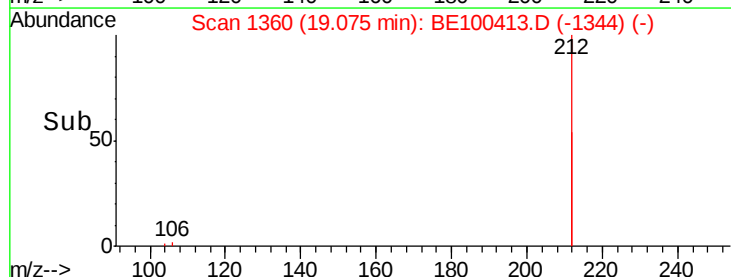
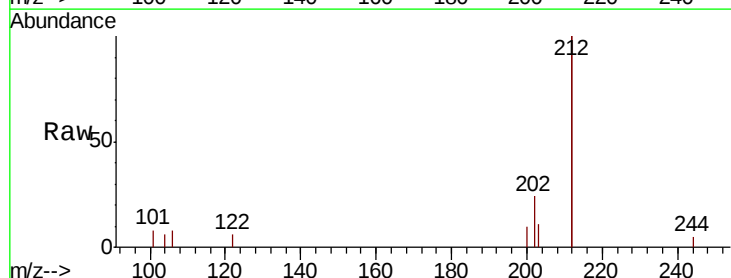
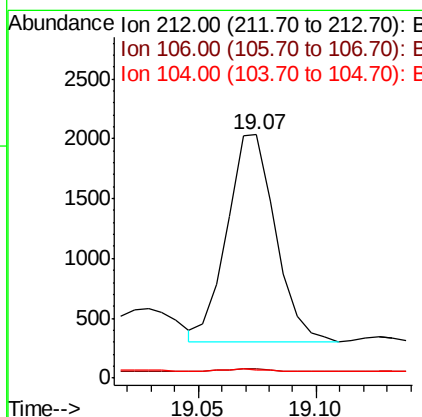
RT: 19.07 min Scan# 1360

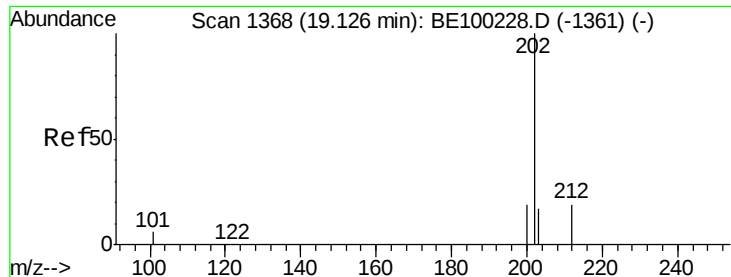
Delta R.T. -0.01 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.0	1.4
104	1.0	0.6	1.0





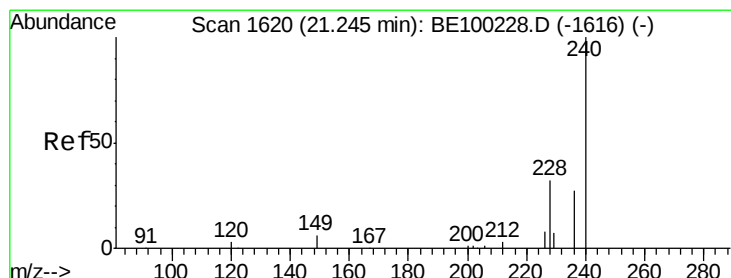
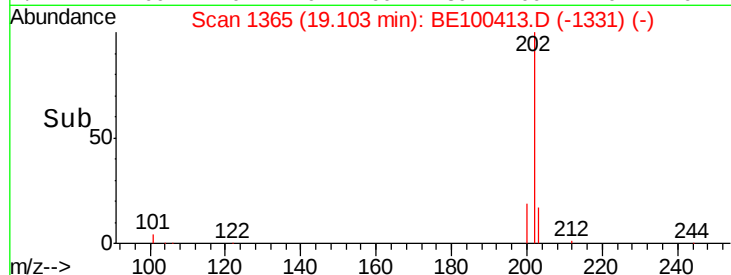
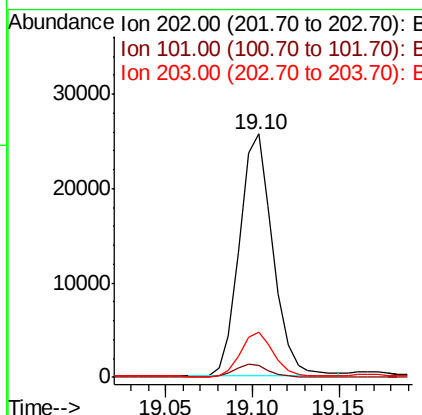
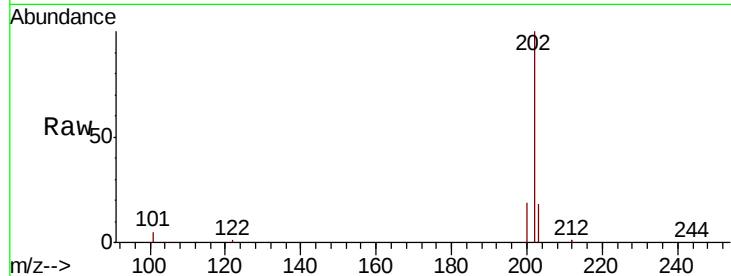
#26
Fluoranthene
Concen: 2.100 ng
RT: 19.10 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.1	4.2	6.2
203	17.8	13.7	20.5

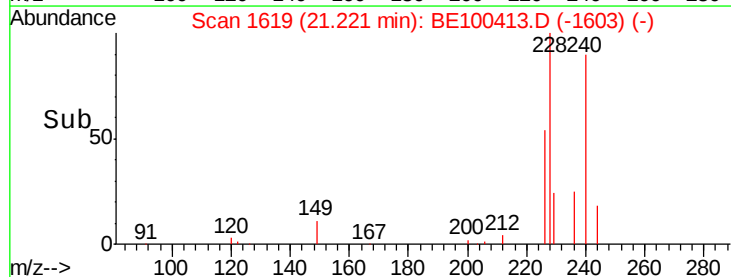
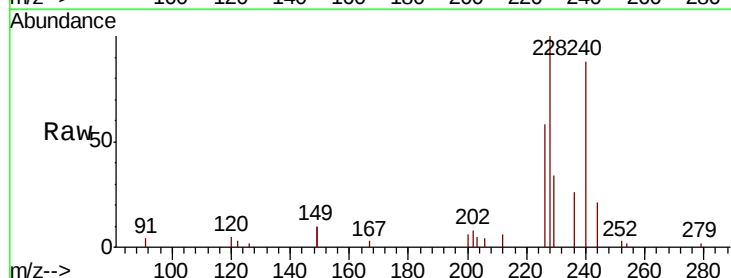
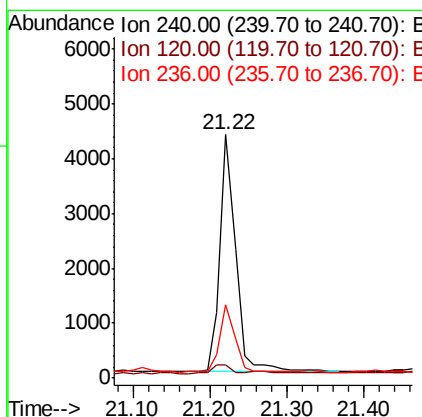
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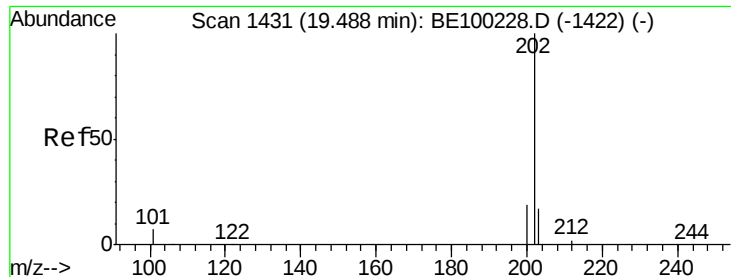
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.22 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.3	5.4	8.2#
236	29.9	23.2	34.8





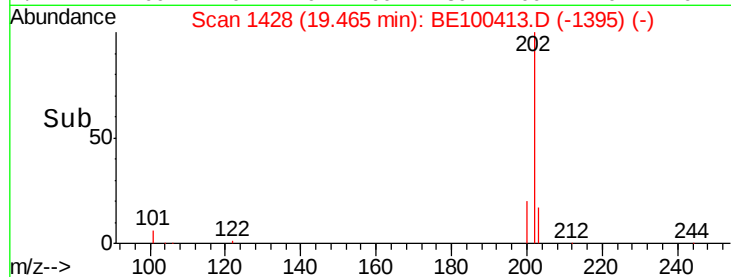
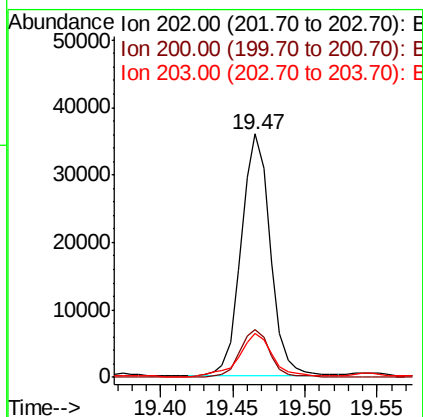
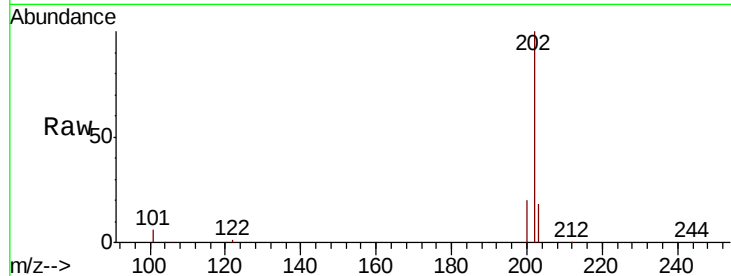
#28
 Pyrene
 Concen: 3.117 ng
 RT: 19.47 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.2	22.8
203	20.1	14.1	21.1

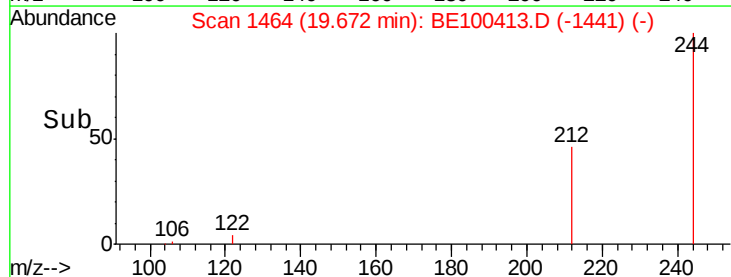
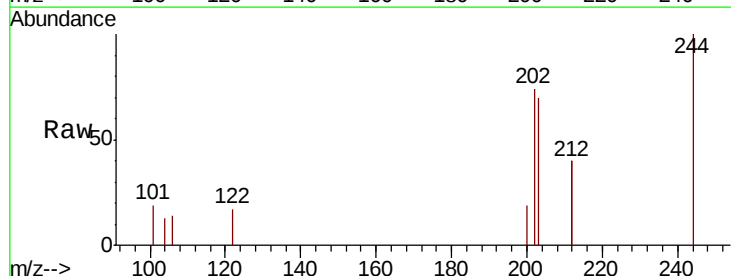
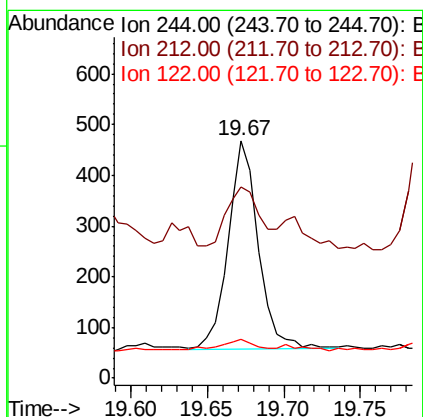
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#29
 Terphenyl-d14
 Concen: 0.045 ng
 RT: 19.67 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	80.6	33.0	49.6#
122	16.6	5.8	8.8#





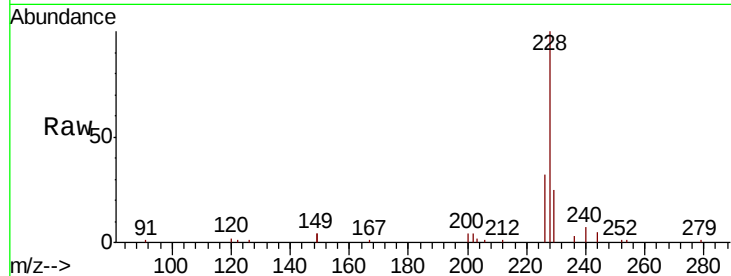
#30
Benzo(a)anthracene
Concen: 1.130 ng
RT: 21.21 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.0	33.0
229	24.6	17.4	26.0

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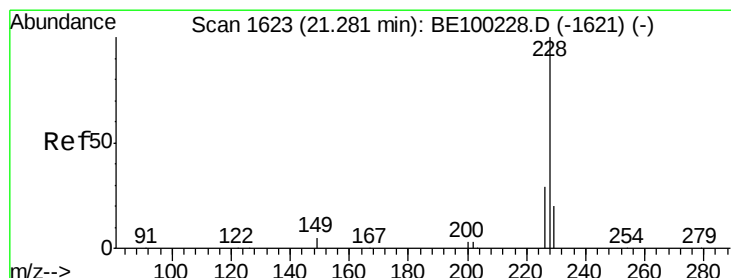
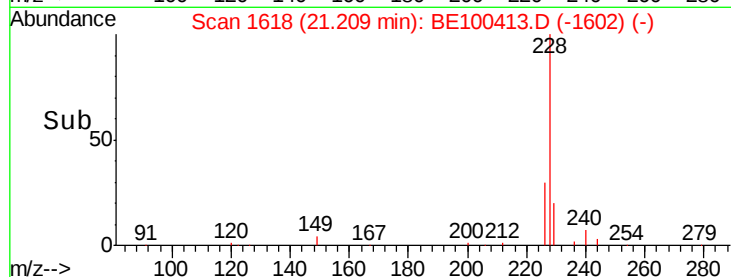
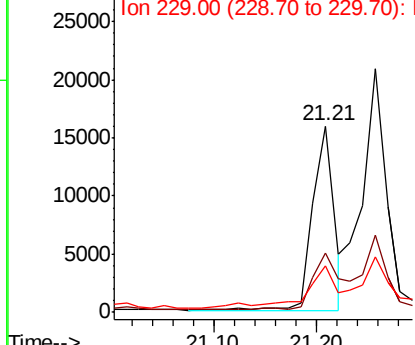


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 1.648 ng
RT: 21.26 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

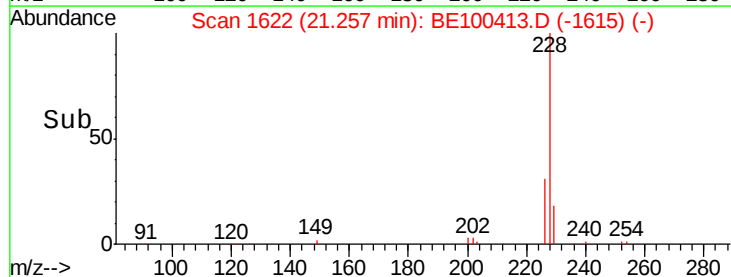
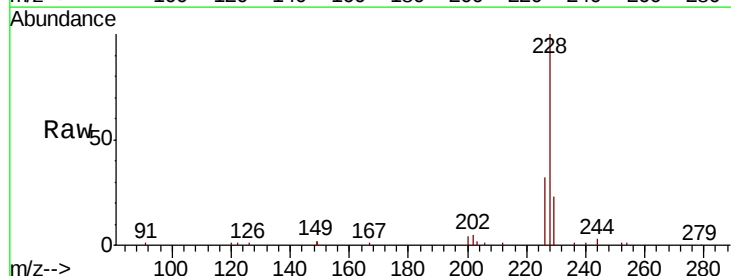
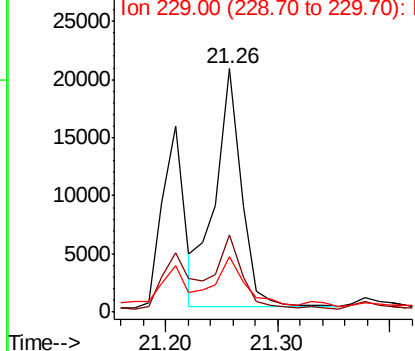
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.5	16.9	25.3

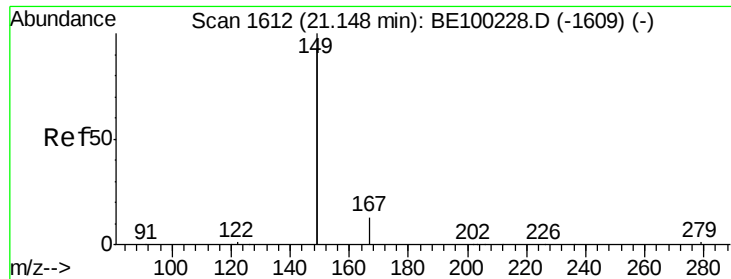
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.045 ng

RT: 21.12 min Scan# 1611

Delta R.T. -0.01 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Instrument :

BNA_E

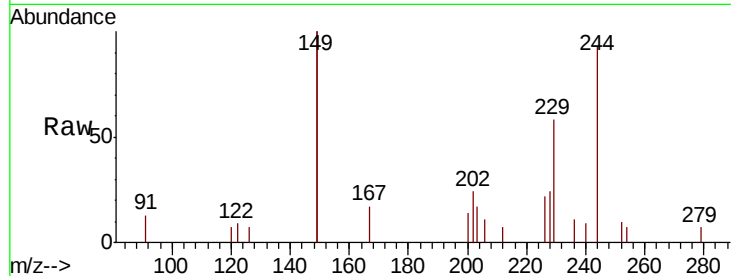
ClientSampleId :

EXT-015-SW087-062519DL

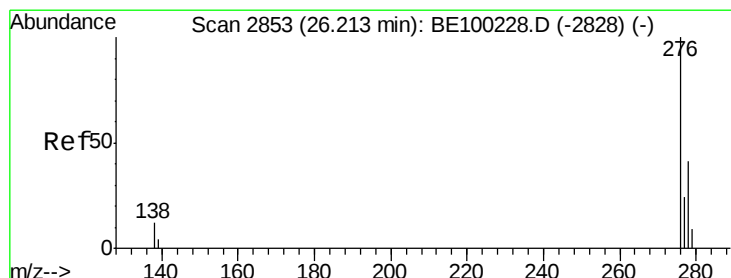
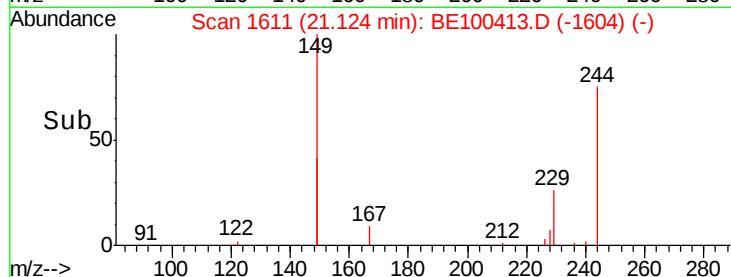
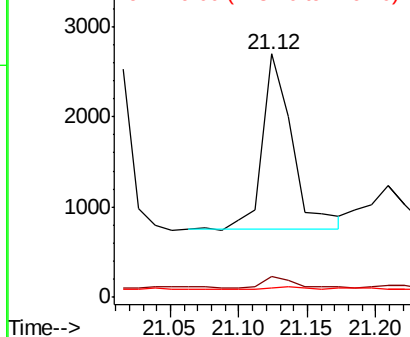
Tgt Ion:	149	Resp:	2930
Ion Ratio	Lower	Upper	
149	100		
167	6.0	5.7	8.5
279	1.6	1.4	2.0

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.577 ng

RT: 26.17 min Scan# 2841

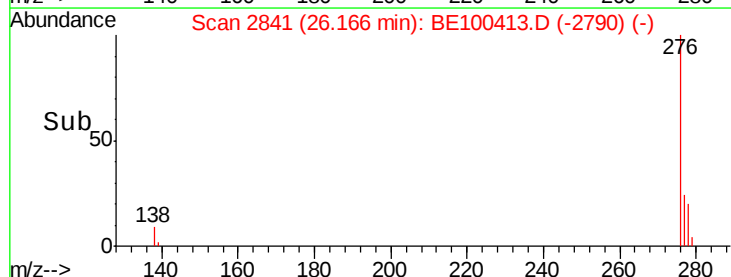
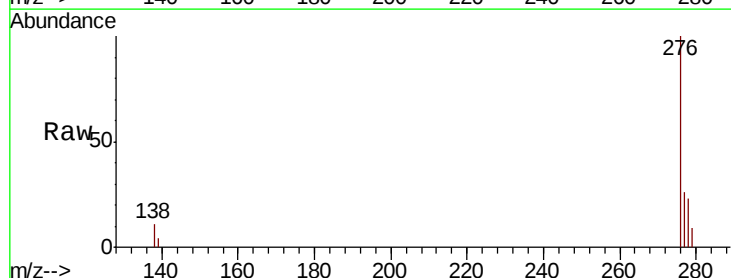
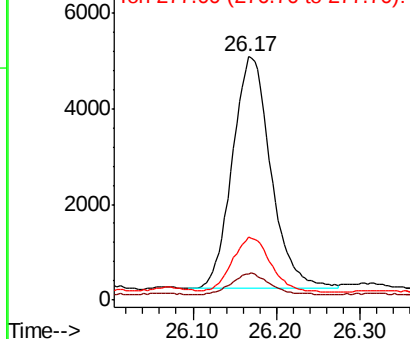
Delta R.T. -0.02 min

Lab File: BE100413.D

Acq: 8 Jul 2019 15:35

Tgt Ion:	276	Resp:	15524
Ion Ratio	Lower	Upper	
276	100		
138	9.2	7.6	11.4
277	23.2	20.0	30.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





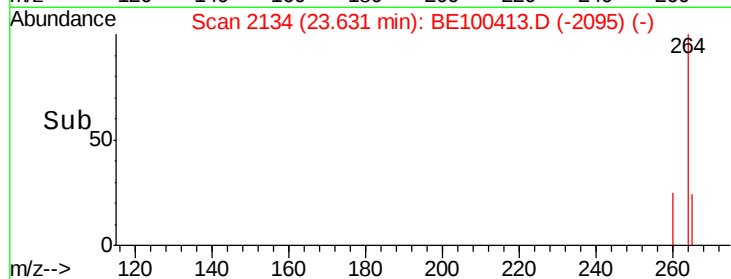
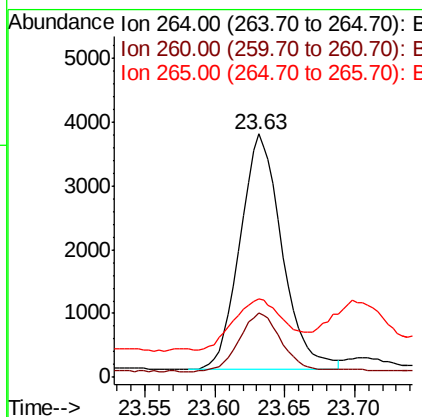
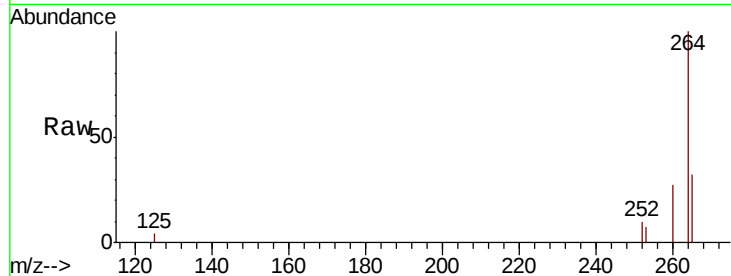
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.63 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.5	22.0	33.0
265	32.5	26.0	39.0

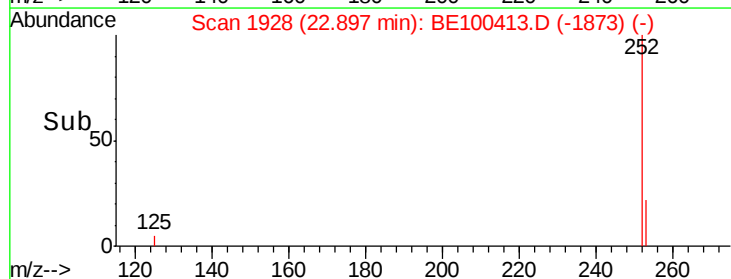
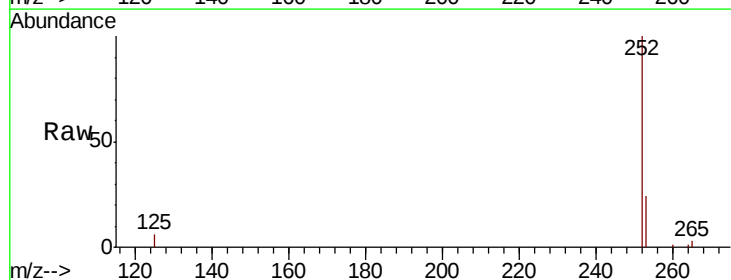
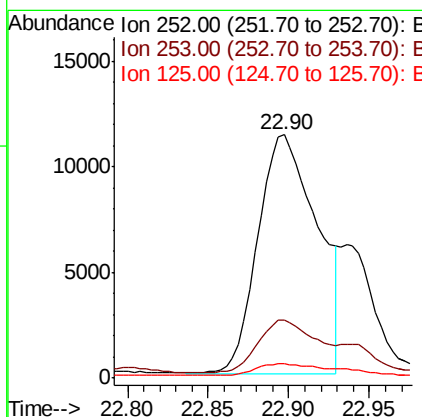
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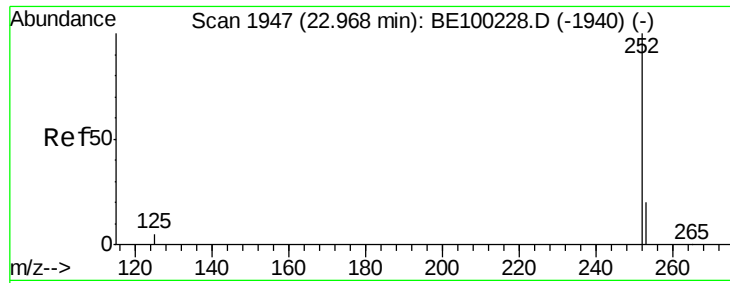
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#35
Benzo(b)fluoranthene
 Concen: 1.399 ng m
 RT: 22.90 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	5.8	6.3	9.5#





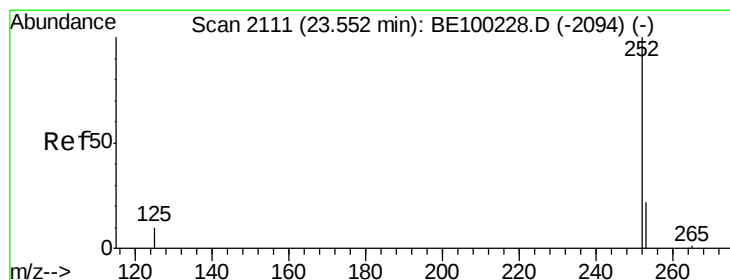
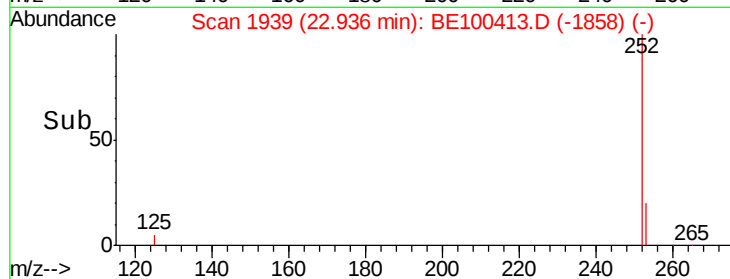
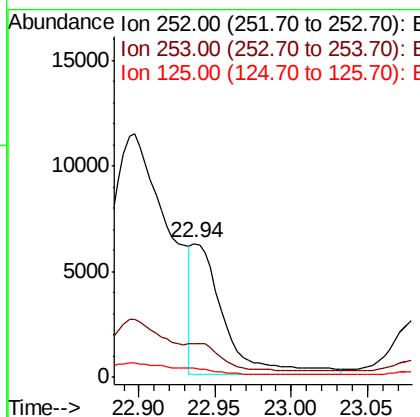
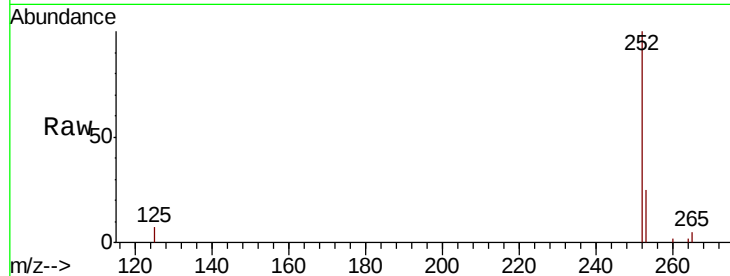
#36
Benzo(k)fluoranthene
Concen: 0.384 ng m
RT: 22.94 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Instrument :
BNA_E
ClientSampleId :
EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.5	29.3
125	6.6	5.4	8.0

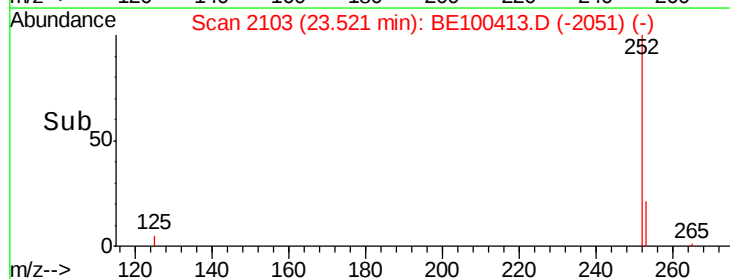
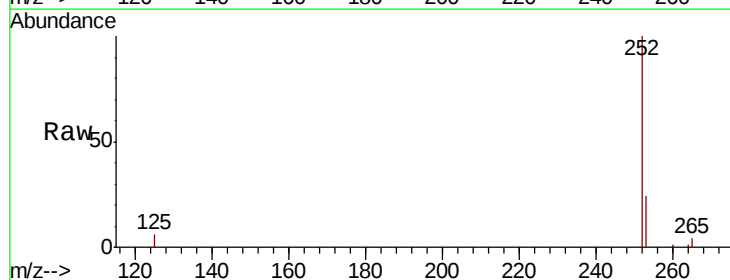
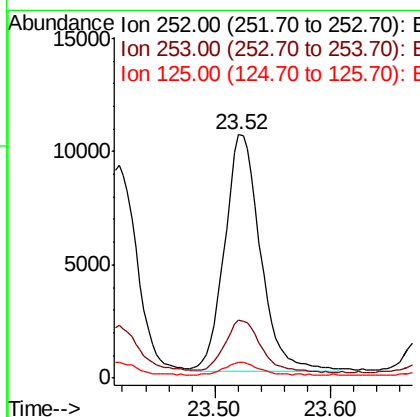
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#37
Benzo(a)pyrene
Concen: 1.077 ng m
RT: 23.52 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BE100413.D
Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	21.0	31.6
125	6.2	7.8	11.8#





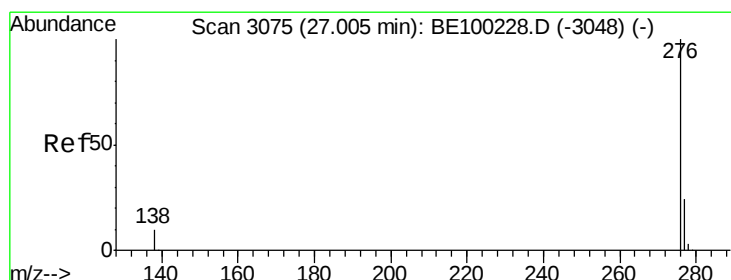
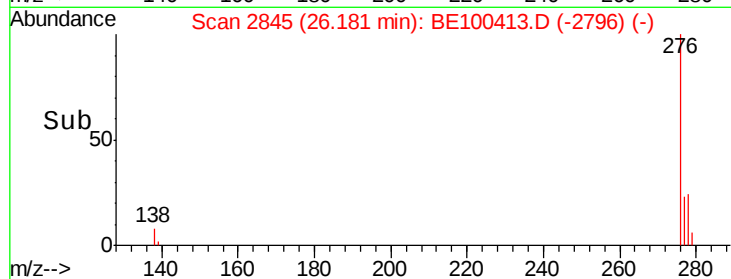
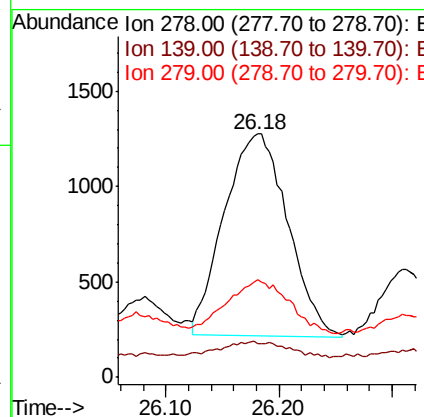
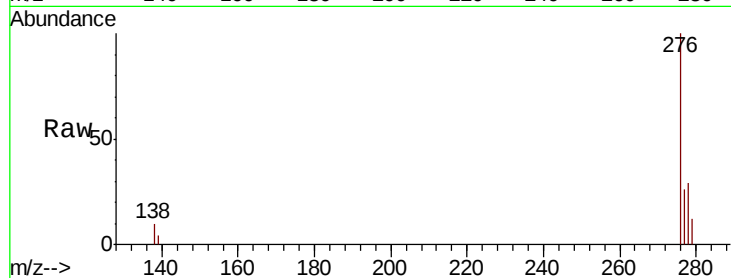
#38
 Dibenzo(a,h)anthracene
 Concen: 0.189 ng
 RT: 26.18 min Scan# 2845
 Delta R.T. -0.02 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Instrument :
 BNA_E
 ClientSampleId :
 EXT-015-SW087-062519DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.1	9.8	14.8
279	40.4	22.6	34.0

Manual Integrations
 APPROVED

mohammad
 7/10/2019 9:04:01 AM



#39
 Benzo(g,h,i)perylene
 Concen: 0.844 ng
 RT: 26.95 min Scan# 3062
 Delta R.T. -0.01 min
 Lab File: BE100413.D
 Acq: 8 Jul 2019 15:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.7	31.1
138	10.7	10.2	15.2

