

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101082.D
 Acq On : 16 Jan 2020 19:04
 Operator : JU
 Sample : L1148-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-31-(2-4)

Manual Integrations
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Quant Time: Jan 17 13:07:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	3748	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	16583	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	12164	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	27699	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	28114	0.40	ng	-0.01
34) Perylene-d12	23.69	264	35030	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1548	0.18	ng	-0.01
5) Phenol-d6	6.91	99	1338	0.13	ng	-0.01
8) Nitrobenzene-d5	8.86	82	1806	0.15	ng	-0.01
11) 2-Methylnaphthalene-d10	12.10	152	3007	0.10	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	612	0.18	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	4542	0.10	ng	-0.03
25) Fluoranthene-d10	19.12	212	39662	0.10	ng	-0.01
29) Terphenyl-d14	19.72	244	8193	0.12	ng	-0.02

Target Compounds				Qvalue		
9) Naphthalene	10.54	128	390801	2.122	ng	100
12) 2-Methylnaphthalene	12.17	142	17122	0.615	ng	# 89
16) Acenaphthylene	14.07	152	145443	2.936	ng	100
17) Acenaphthene	14.41	154	7343	0.207	ng	# 92
18) Fluorene	15.39	166	57545	1.284	ng	90
22) Pentachlorophenol	16.75	266	81	0.265	ng	85
23) Phenanthrene	17.12	178	437078	5.779	ng	99
24) Anthracene	17.21	178	112072	1.570	ng	96
26) Fluoranthene	19.15	202	779441	8.229	ng	98
28) Pvrene	19.51	202	1059528	10.124	ng	97
30) Benzo(a)anthracene	21.25	228	621612	7.749	ng	93
31) Chrysene	21.31	228	732649	6.145	ng	95
32) Bis(2-ethylhexyl)phthalate	21.20	149	28146	0.211	ng	# 97
33) Indeno(1,2,3-cd)pyrene	26.23	276	394534	4.188	ng	96
35) Benzo(b)fluoranthene	22.96	252	805989	8.204	ng	99
36) Benzo(k)fluoranthene	23.00	252	272791m	1.916	ng	
37) Benzo(a)pvrene	23.58	252	531184	5.589	ng	97
38) Dibenzo(a,h)anthracene	26.25	278	120411	1.378	ng	98
39) Benzo(g,h,i)perylene	27.02	276	412832	3.841	ng	99

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

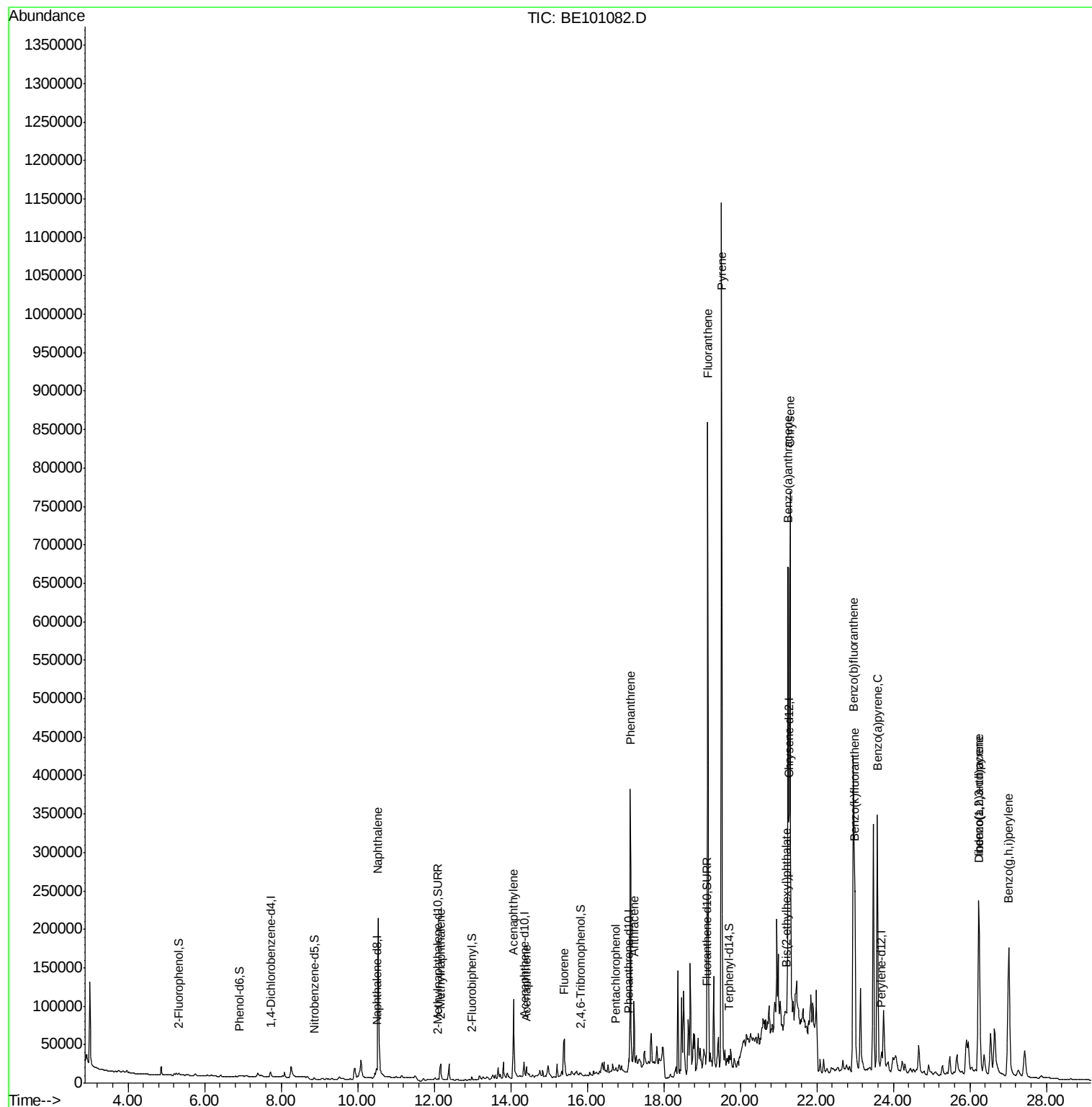
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
Data File : BE101082.D
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Operator : JU
Sample : L1148-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

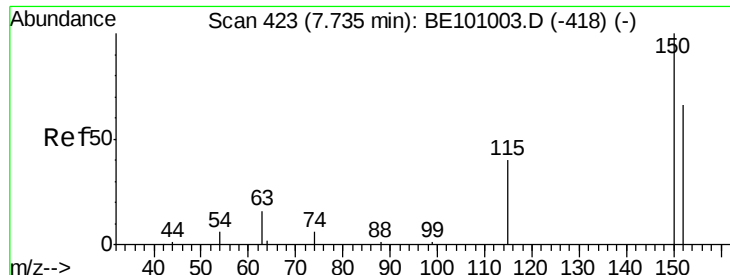
Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

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Quant Time: Jan 17 13:07:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration





#1

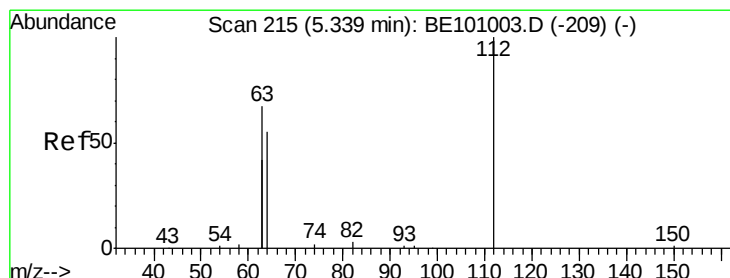
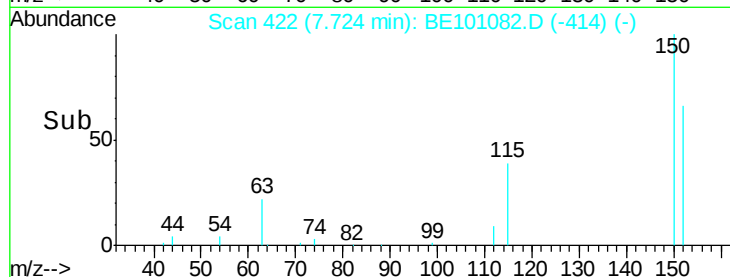
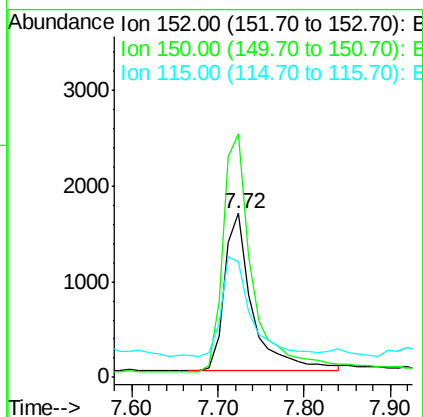
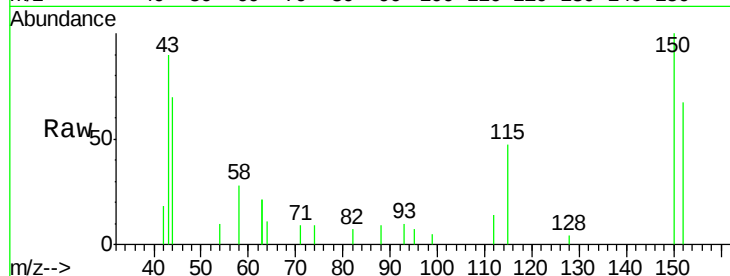
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	120.3	180.5
115	70.3	51.7	77.5

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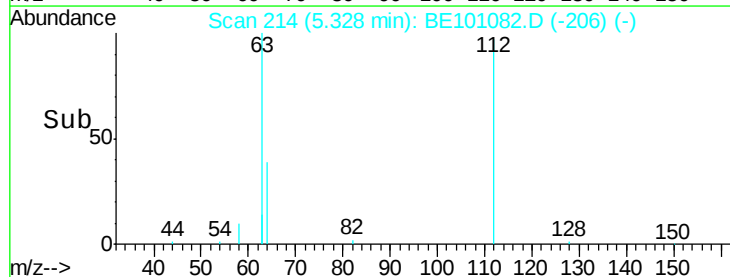
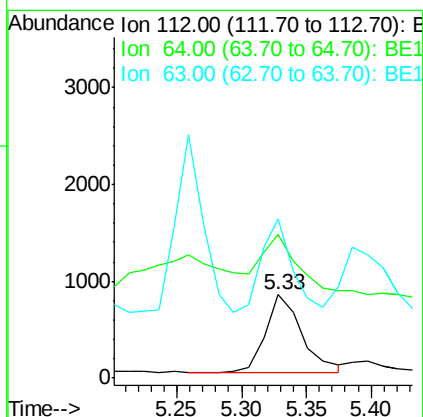
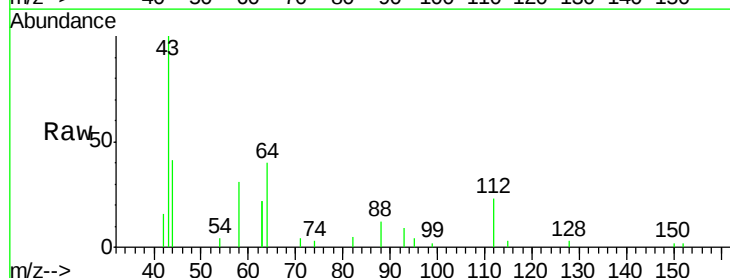
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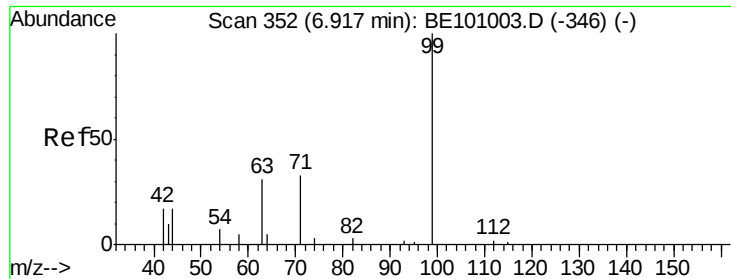


#4

2-Fluorophenol
Concen: 0.184 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	53.6	80.4
63	104.9	114.6	172.0





#5

Phenol-d6

Concen: 0.125 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

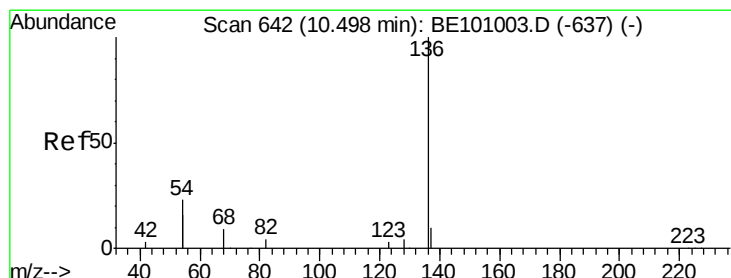
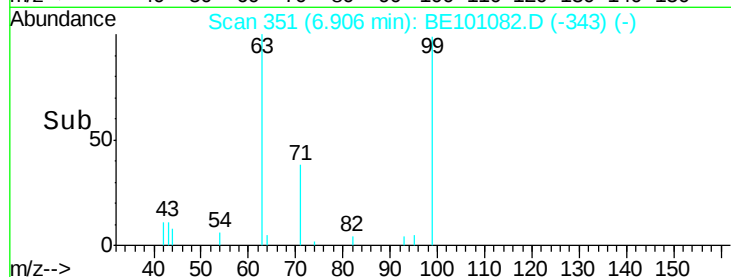
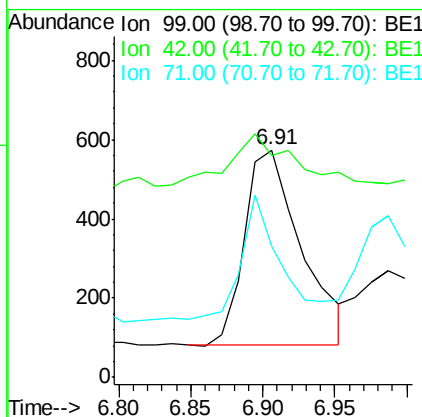
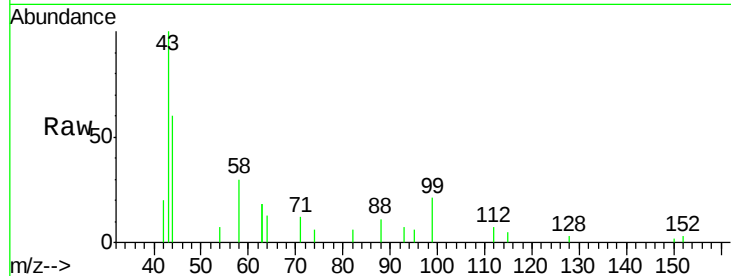
ClientSampleId :

SB-31-(2-4)

Tot Ion:	99	Resp:	1338
Ion	Ratio	Lower	Upper
99	100		
42	38.6	18.3	27.5#
71	43.5	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

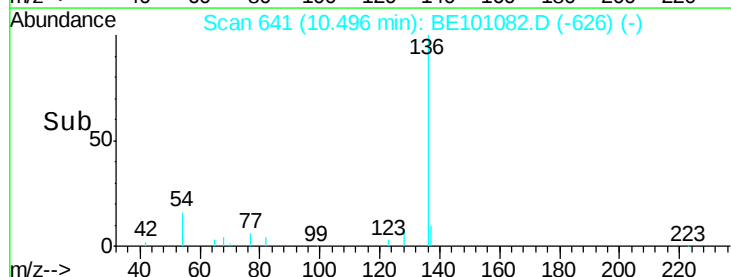
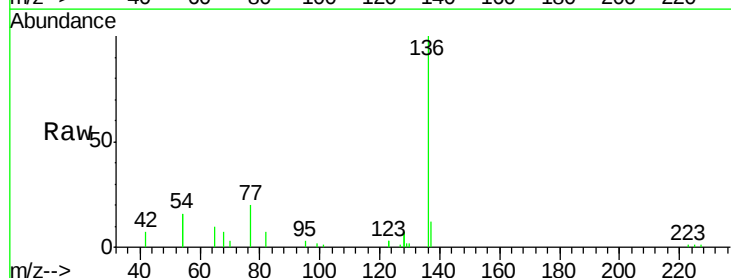
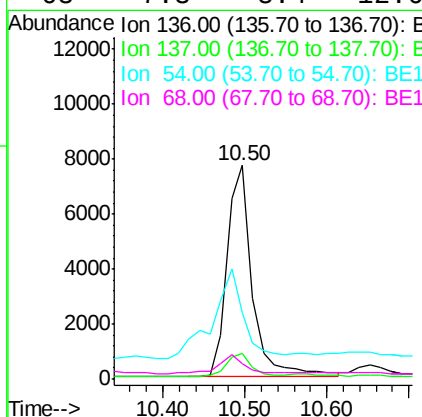
RT: 10.50 min Scan# 641

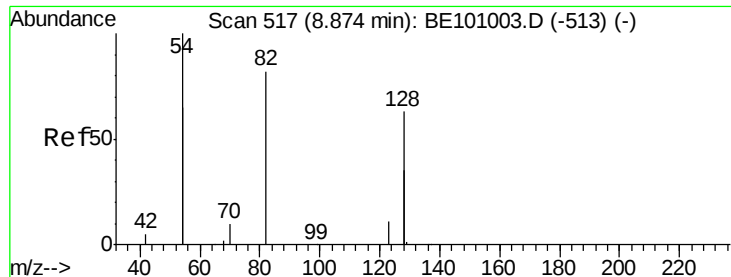
Delta R.T. -0.00 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	136	Resp:	16583
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	31.1	36.8	55.2#
68	7.3	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.152 ng

RT: 8.86 min Scan# 515

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

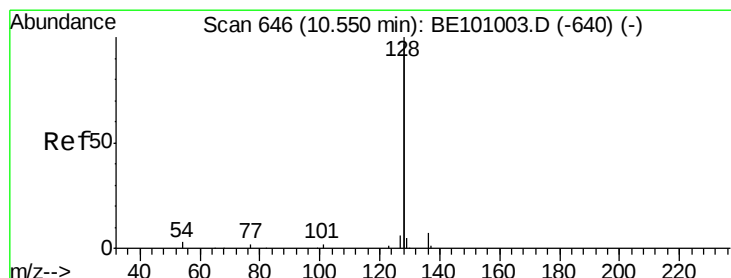
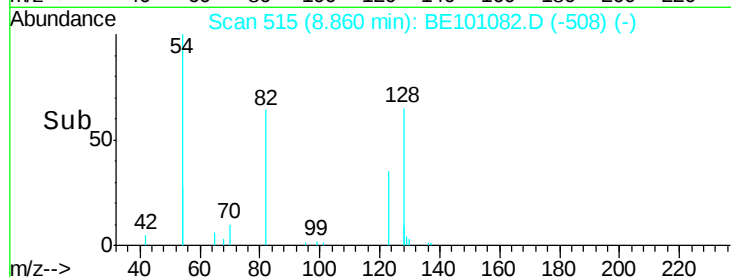
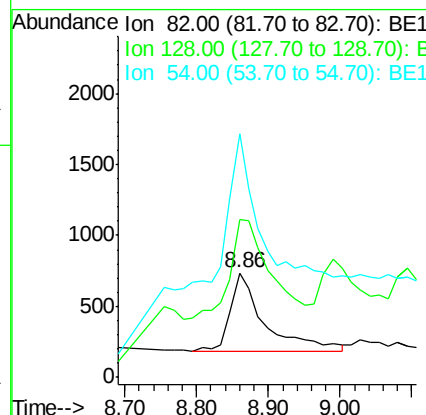
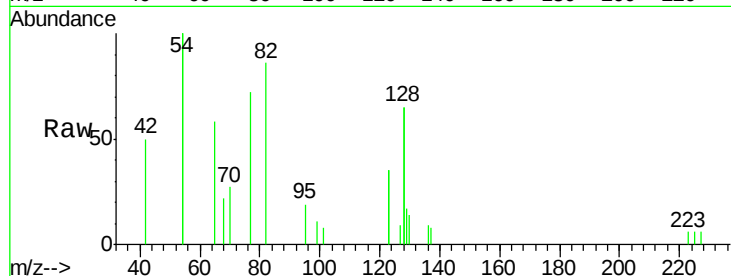
ClientSampled :

SB-31-(2-4)

Tot Ion:	82	Resp:	1806
Ion	Ratio	Lower	Upper
82	100		
128	150.9	109.8	164.6
54	232.8	174.5	261.7

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#9

Naphthalene

Concen: 2.122 ng

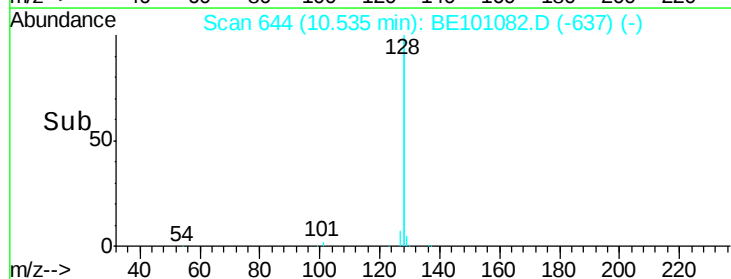
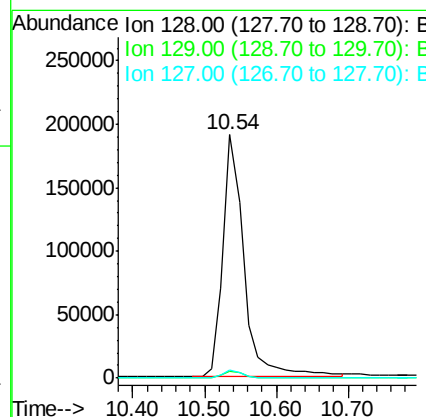
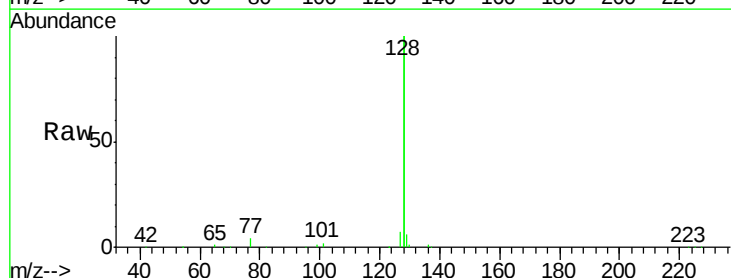
RT: 10.54 min Scan# 644

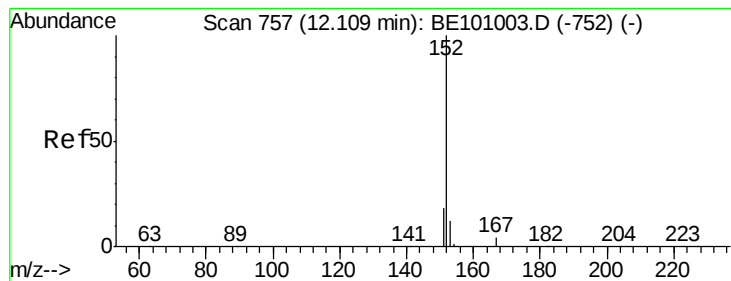
Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	128	Resp:	390801
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.3	2.7	4.1





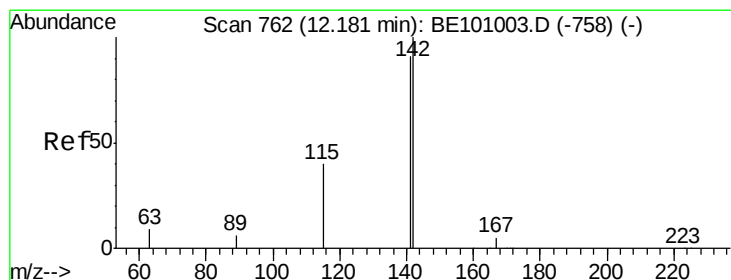
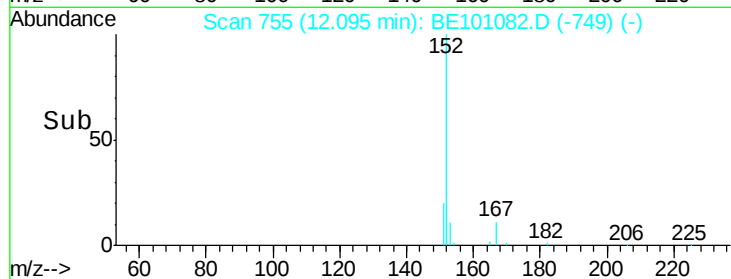
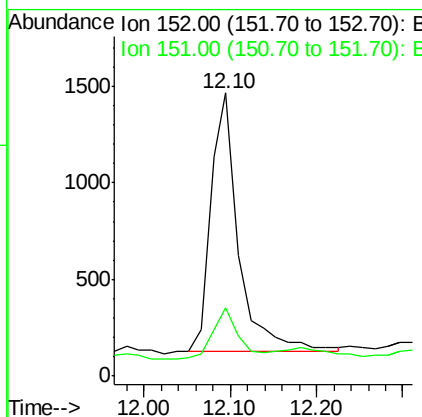
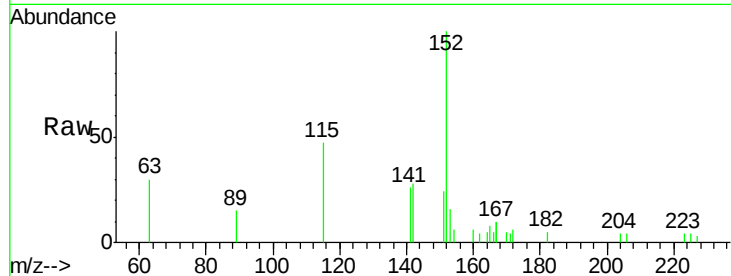
#11
2-Methylnaphthalene-d10
Concen: 0.095 ng
RT: 12.10 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.0	22.6

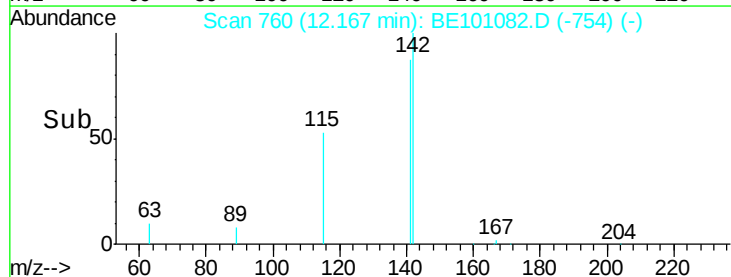
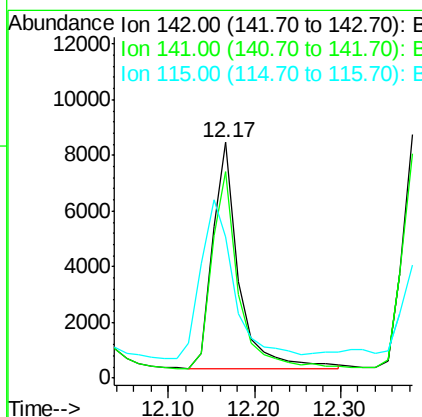
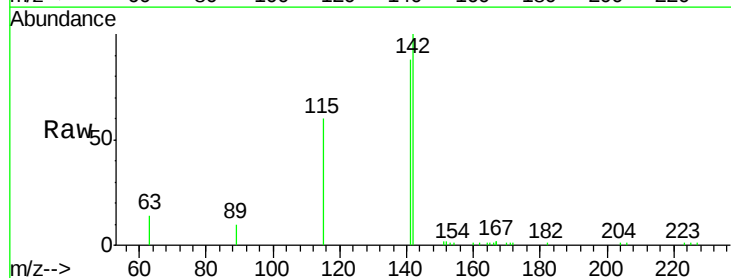
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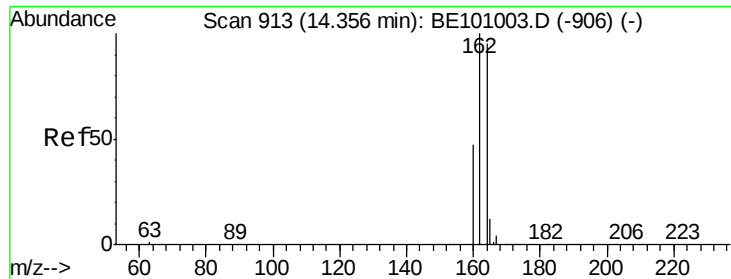
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#12
2-Methylnaphthalene
Concen: 0.615 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	72.5	108.7
115	59.6	33.0	49.6#





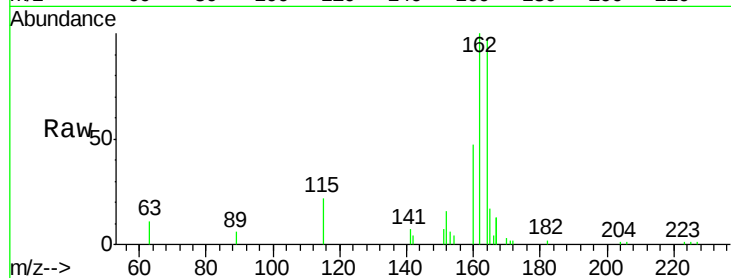
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

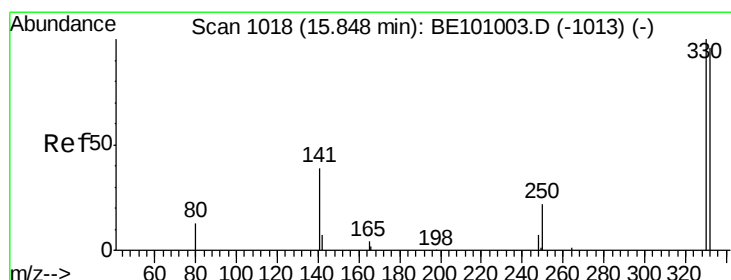
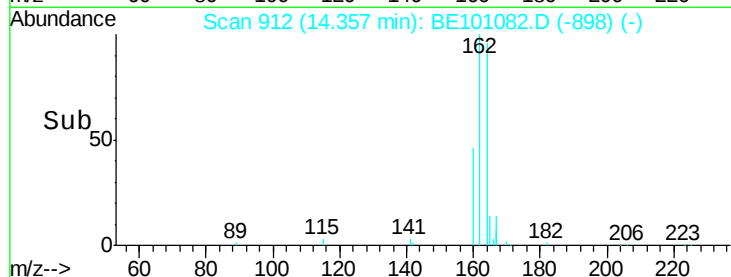
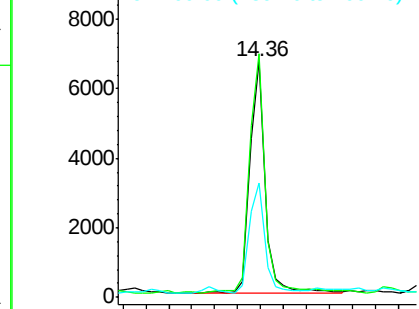
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	84.1	126.1
160	48.8	40.4	60.6

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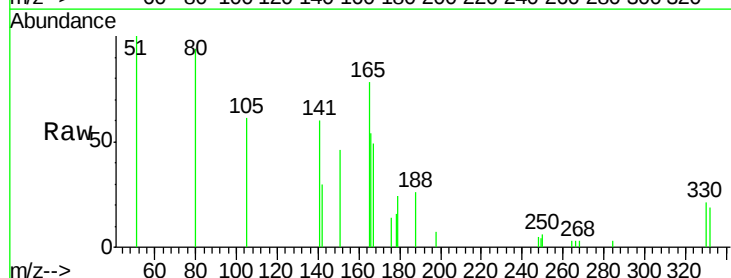


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

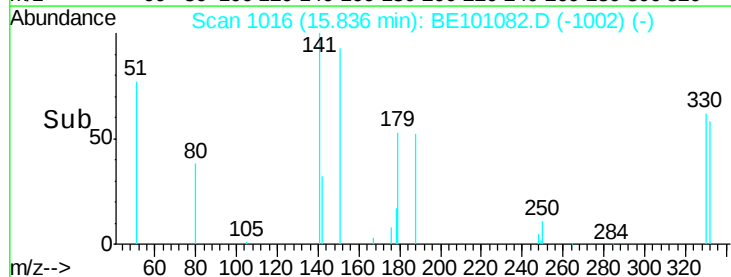
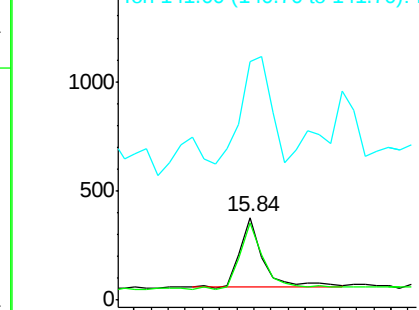


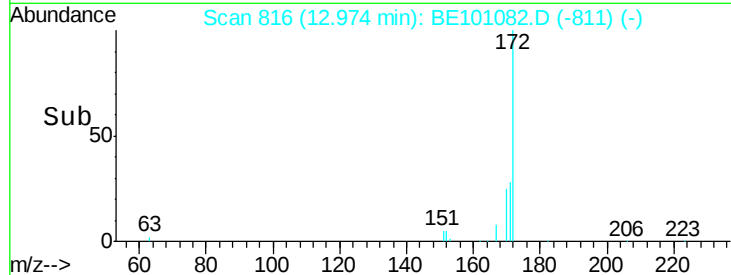
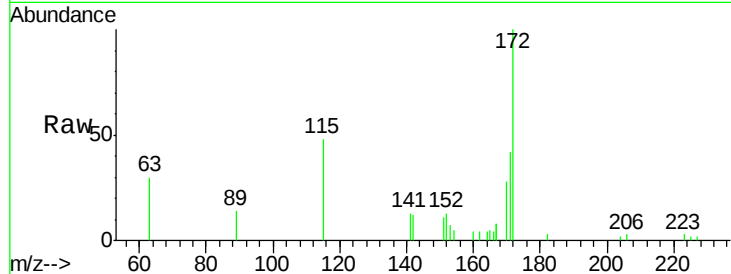
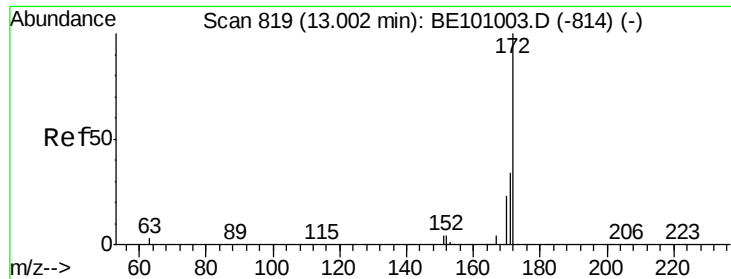
#14
2,4,6-Tribromophenol
Concen: 0.178 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.4	117.6
141	200.5	37.0	55.4#



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





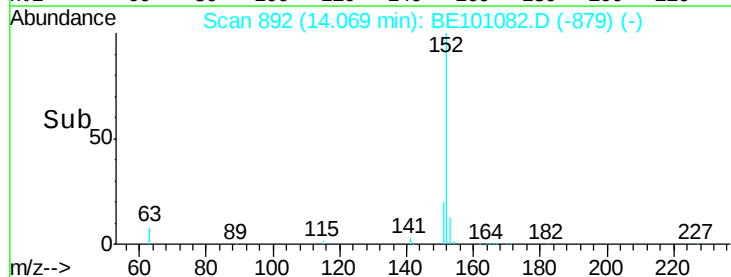
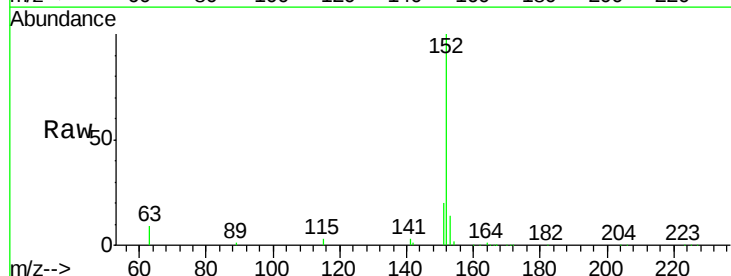
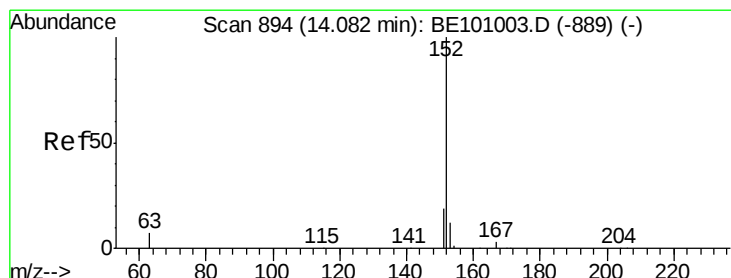
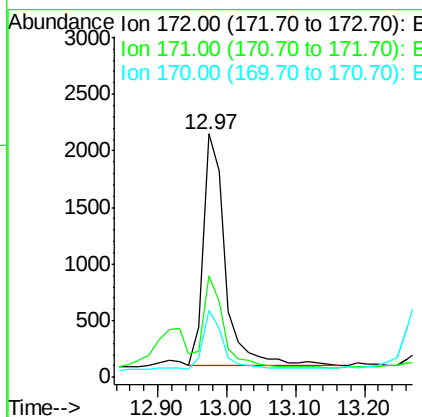
#15
2-Fluorobiphenyl
Concen: 0.098 ng
RT: 12.97 min Scan# 816
Delta R.T. -0.03 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tot Ion:	172	Resp:	4542
Ion Ratio	Lower	Upper	
172	100		
171	41.8	28.2	42.2
170	27.7	18.9	28.3

Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

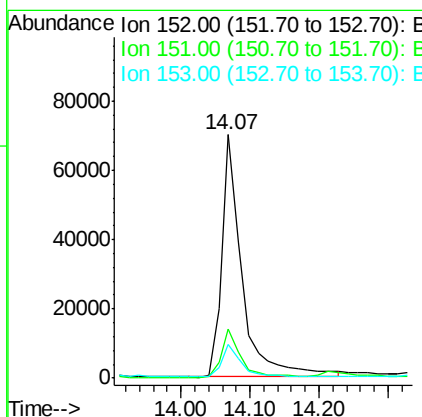
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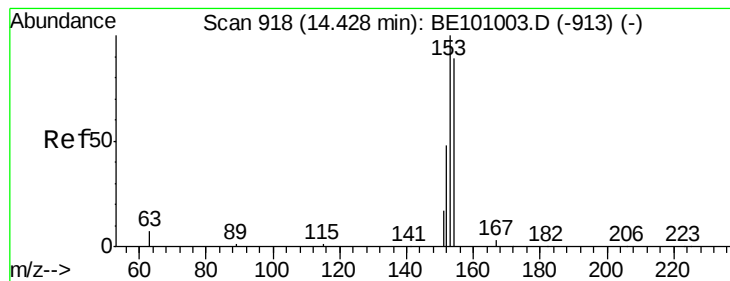
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#16
Acenaphthylene
Concen: 2.936 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tgt Ion:	152	Resp:	145443
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.5	23.3
153	13.1	10.4	15.6





#17

Acenaphthene

Concen: 0.207 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

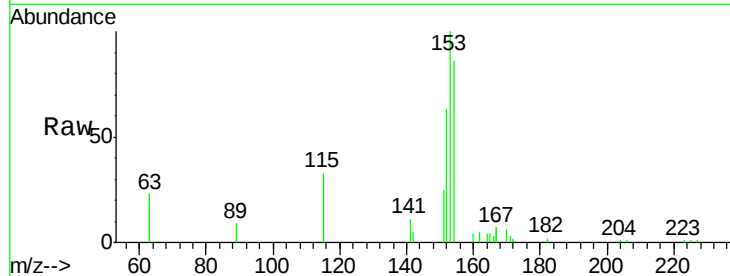
ClientSampleId :

SB-31-(2-4)

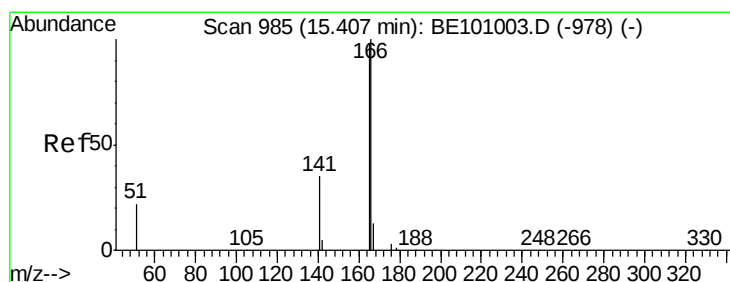
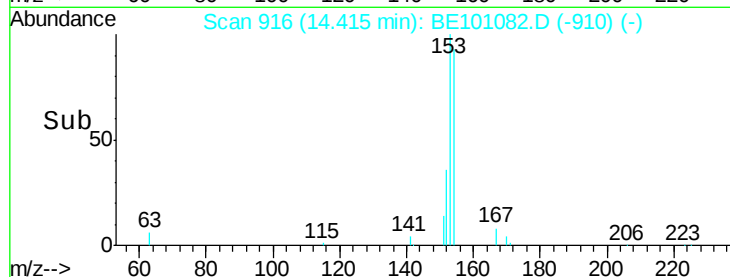
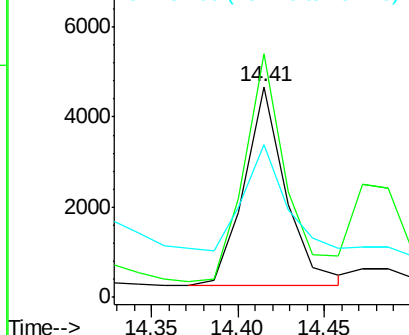
Tot Ion:	154	Resp:	7343
Ion	Ratio	Lower	Upper
154	100		
153	118.1	93.6	140.4
152	74.3	46.3	69.5#

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: 1.284 ng

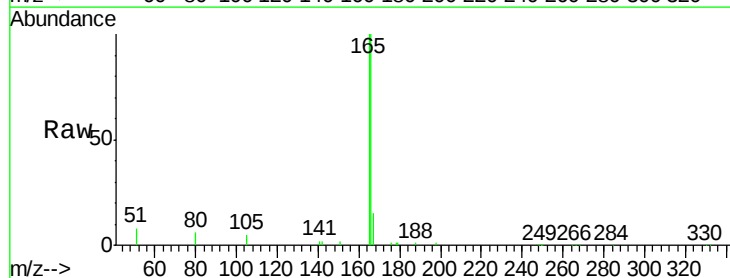
RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

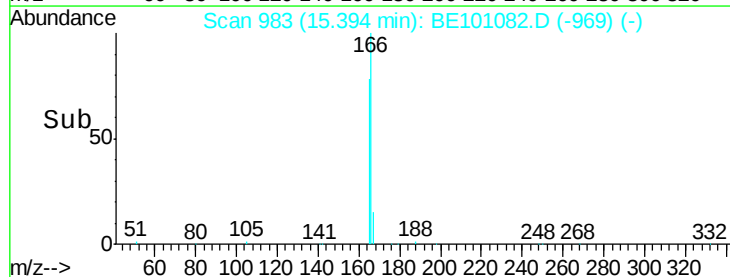
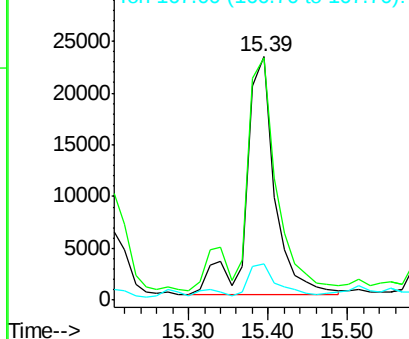
Lab File: BE101082.D

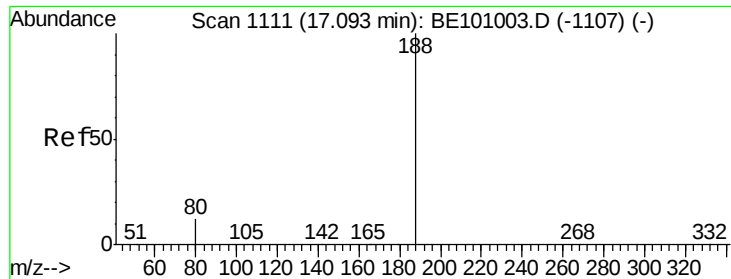
Acq: 16 Jan 2020 19:04

Tgt Ion:	166	Resp:	57545
Ion	Ratio	Lower	Upper
166	100		
165	110.2	79.8	119.8
167	12.6	11.0	16.6



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: 17.08 min Scan# 1109

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

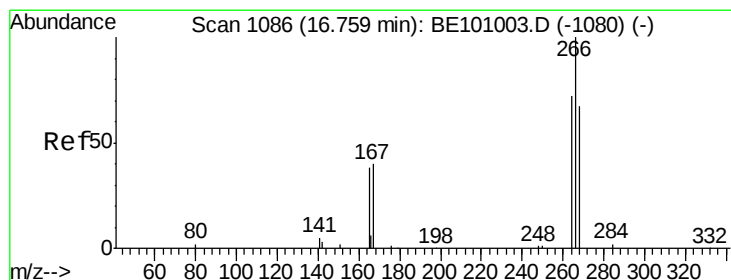
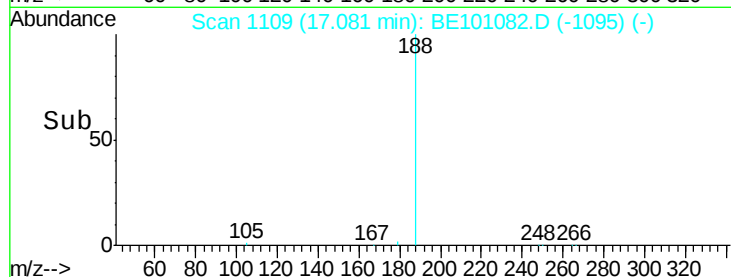
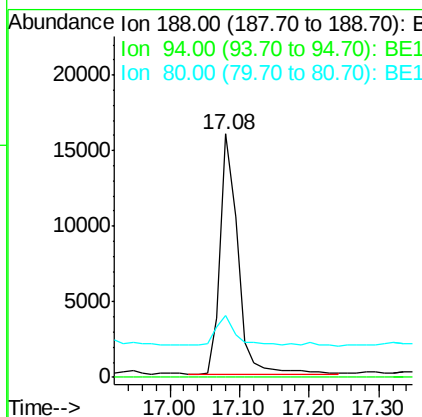
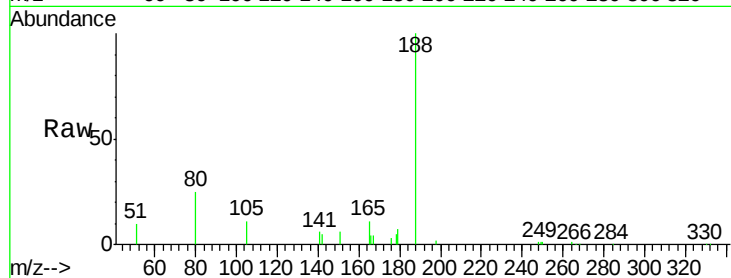
ClientSampleId :

SB-31-(2-4)

Tot Ion:	188	Resp:	27699
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	25.5	10.8	16.2#

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#22

Pentachlorophenol

Concen: 0.265 ng

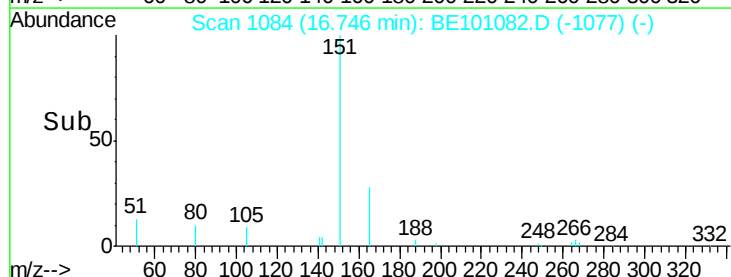
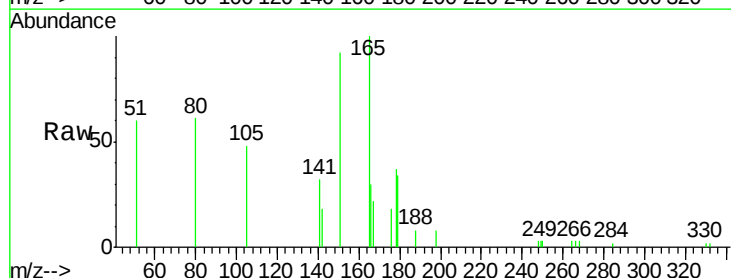
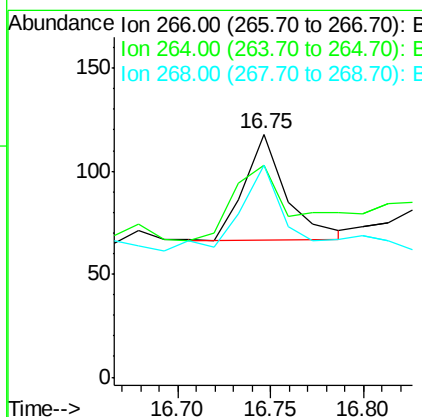
RT: 16.75 min Scan# 1084

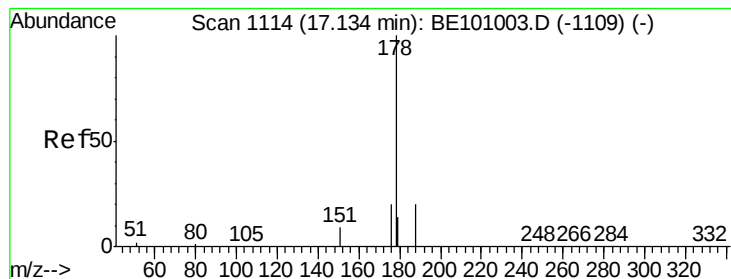
Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	266	Resp:	81
Ion Ratio	Lower	Upper	
266	100		
264	87.3	61.0	91.4
268	87.3	58.5	87.7





#23

Phenanthrene

Concen: 5.779 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

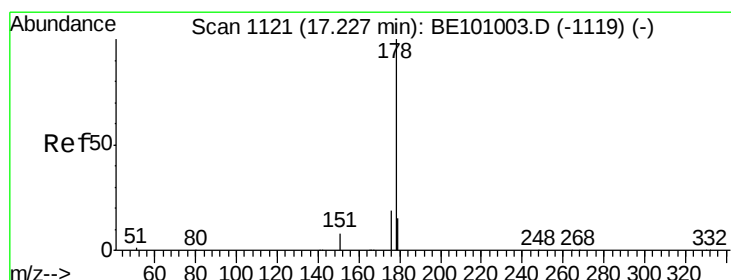
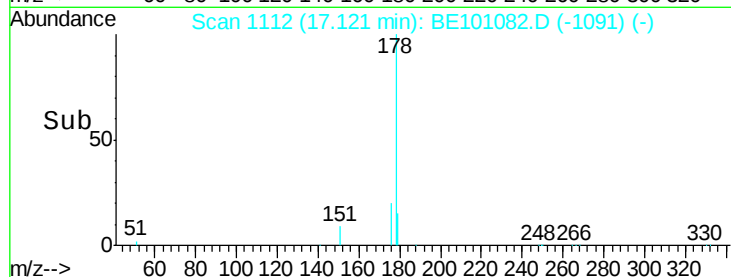
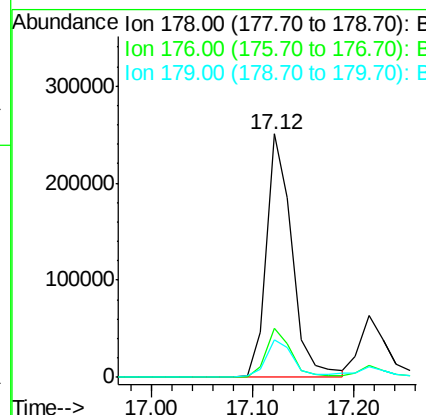
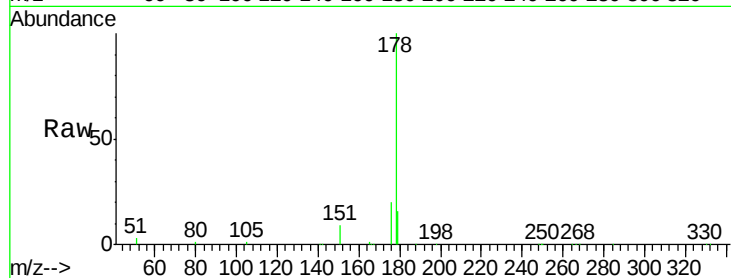
ClientSampleId :

SB-31-(2-4)

Tot Ion:	178	Resp:	437078
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.7	23.5
179	16.0	12.0	18.0

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#24

Anthracene

Concen: 1.570 ng

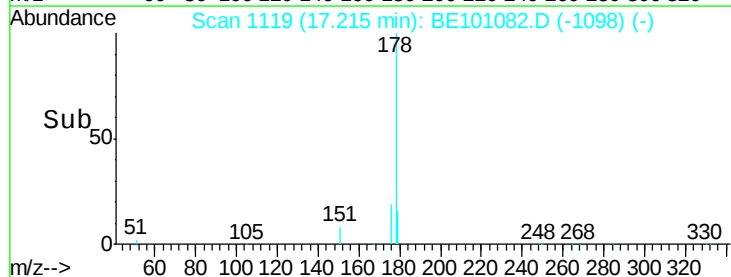
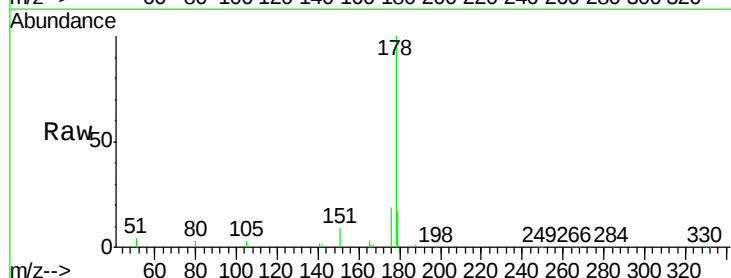
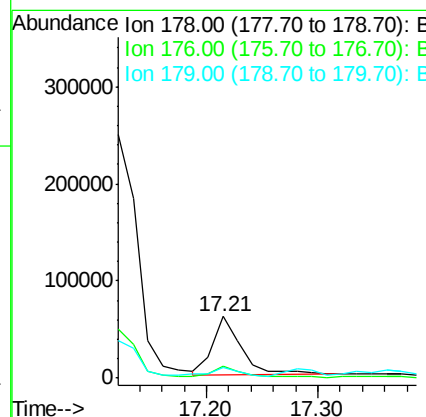
RT: 17.21 min Scan# 1119

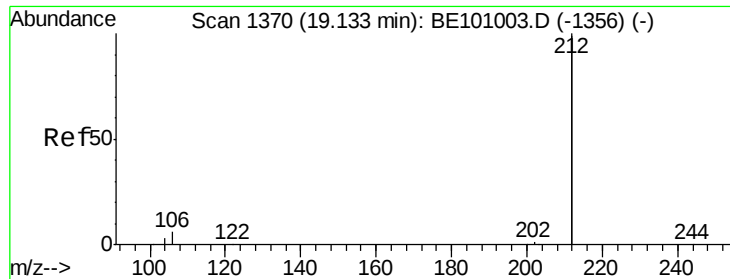
Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	178	Resp:	112072
Ion Ratio	Lower	Upper	
178	100		
176	20.4	14.8	22.2
179	16.8	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.103 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

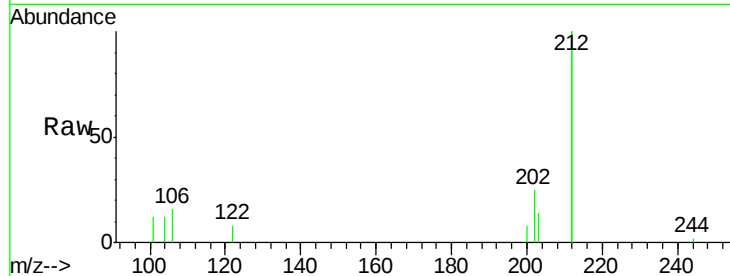
ClientSampleId :

SB-31-(2-4)

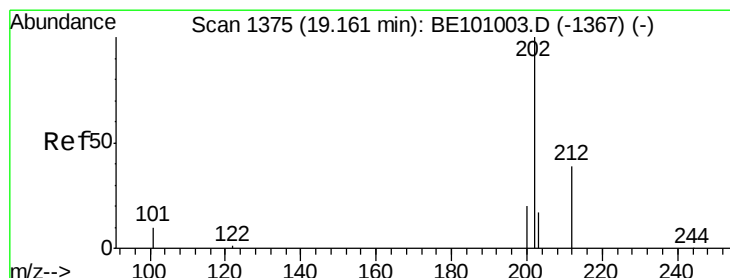
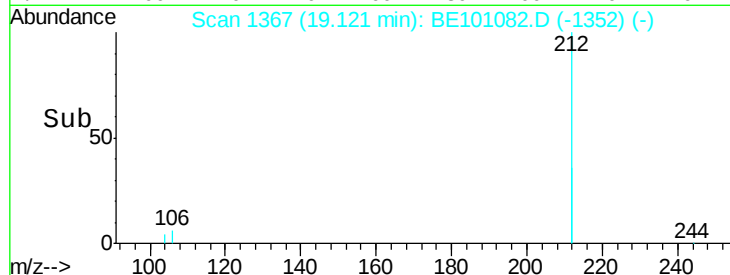
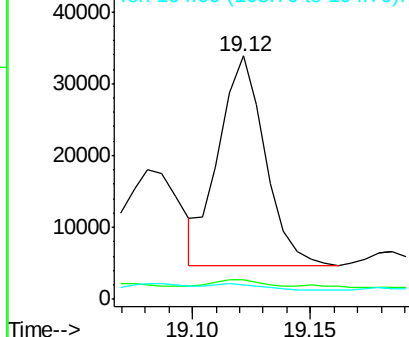
Tot Ion	Ratio	Resp	Lower	Upper
212	100	39662		
106	3.1	2.6	3.8	
104	3.5	1.4	2.0	

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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



#26

Fluoranthene

Concen: 8.229 ng

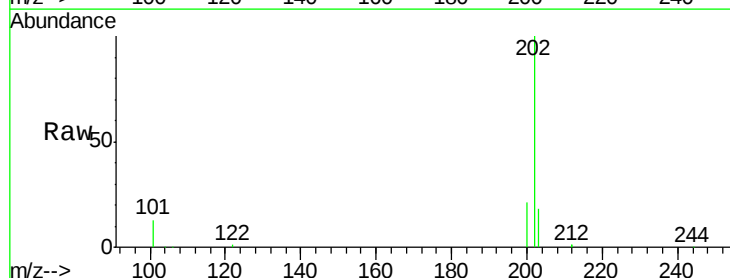
RT: 19.15 min Scan# 1372

Delta R.T. -0.01 min

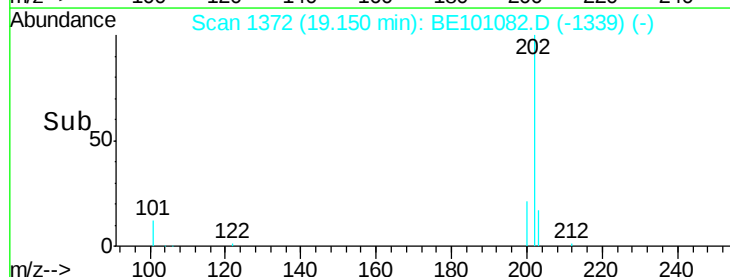
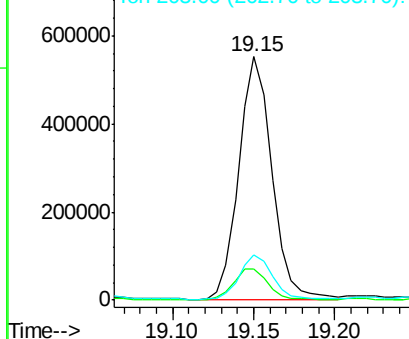
Lab File: BE101082.D

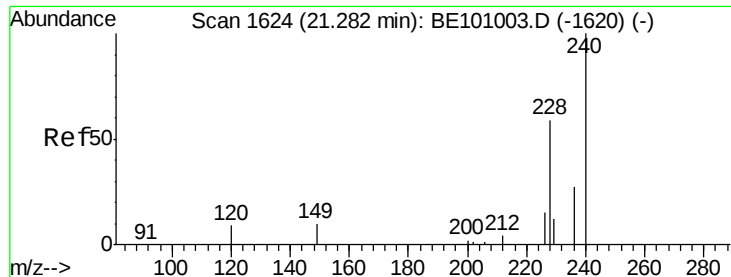
Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	779441		
101	13.1	9.6	14.4	
203	17.9	13.8	20.6	



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





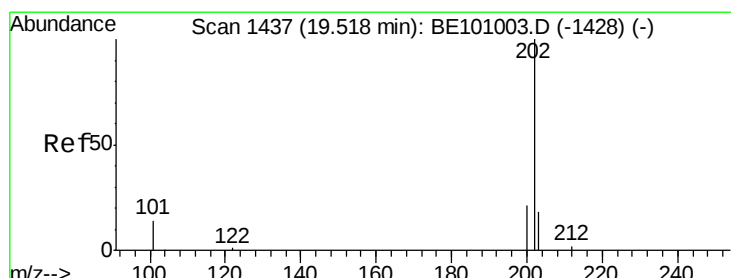
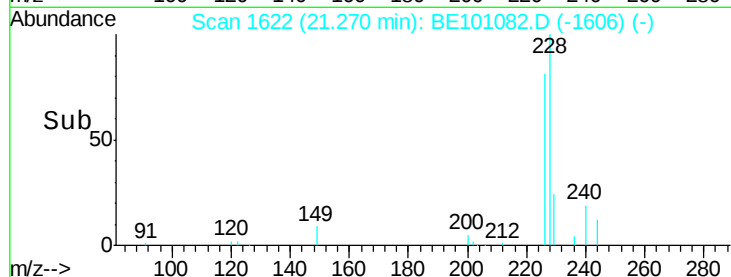
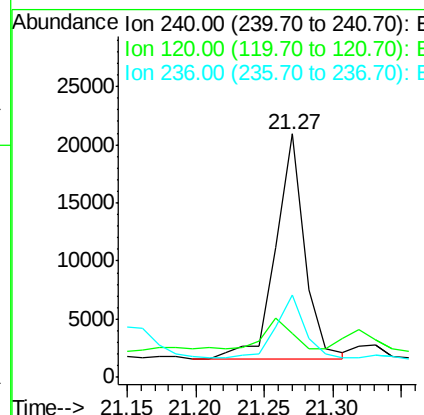
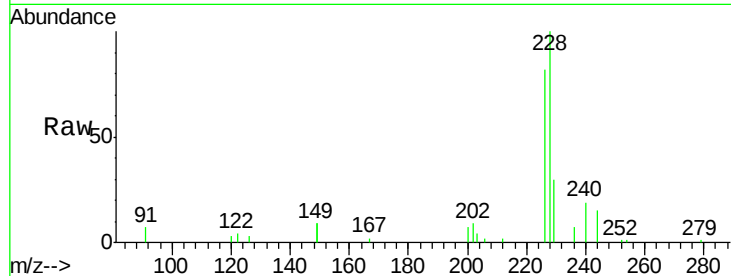
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Instrument :
BNA_E
ClientSampleId :
SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	17.8	8.6	13.0#
236	33.7	22.2	33.4#

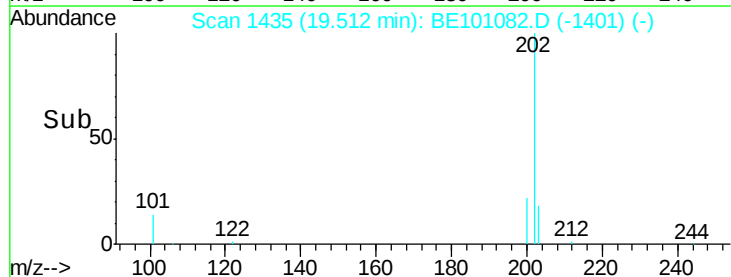
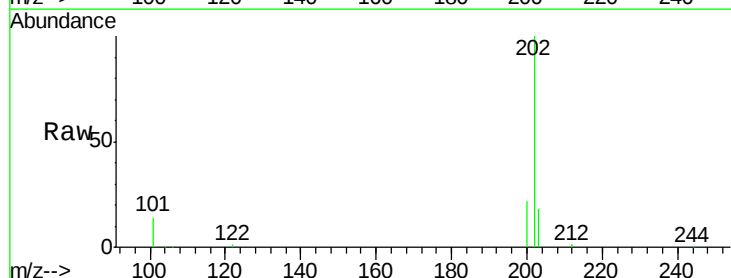
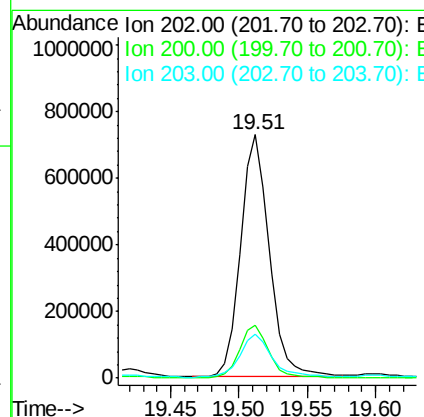
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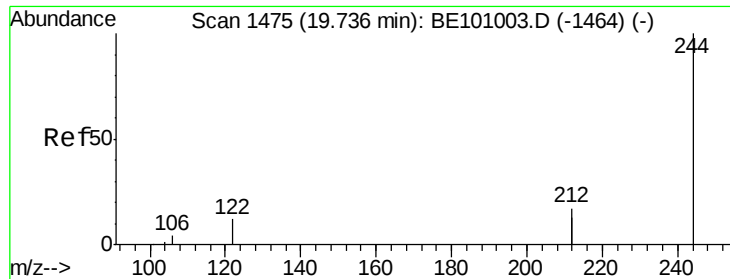
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#28
Pyrene
Concen: 10.124 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101082.D
Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	19.6	13.8	20.6





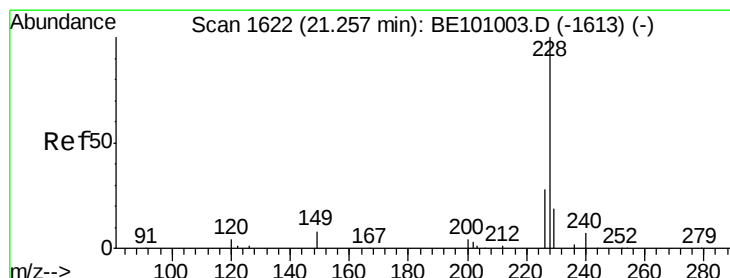
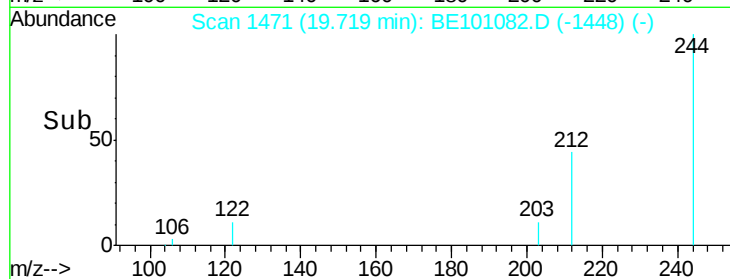
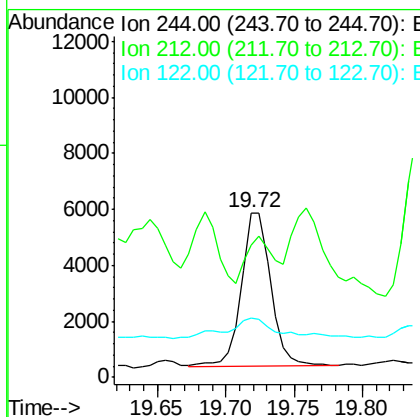
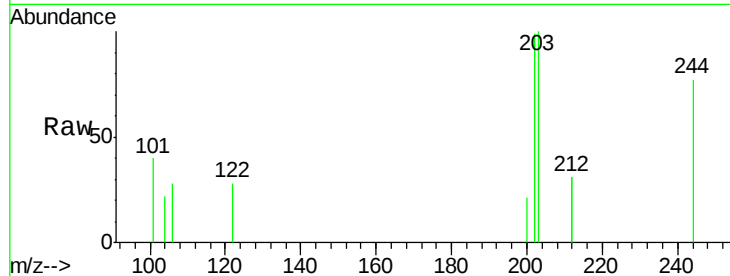
#29
 Terphenyl-d14
 Concen: 0.119 ng
 RT: 19.72 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: BE101082.D
 Acq: 16 Jan 2020 19:04

Instrument :
 BNA_E
 ClientSampleId :
 SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	80.4	27.2	40.8#
122	36.1	9.8	14.8#

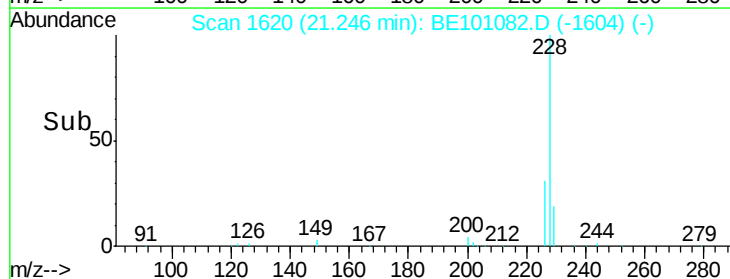
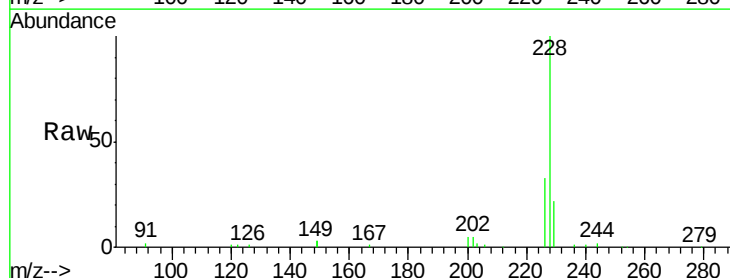
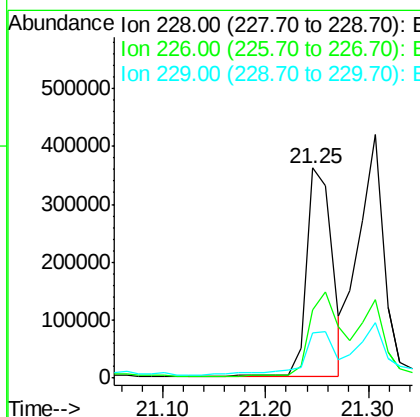
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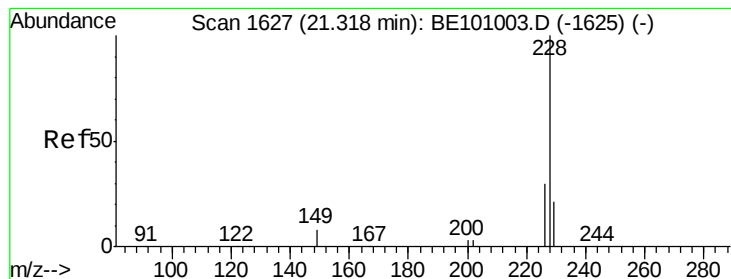
mohammad
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#30
 Benzo(a)anthracene
 Concen: 7.749 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BE101082.D
 Acq: 16 Jan 2020 19:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.7	34.1
229	21.5	15.5	23.3





#31

Chrysene

Concen: 6.145 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

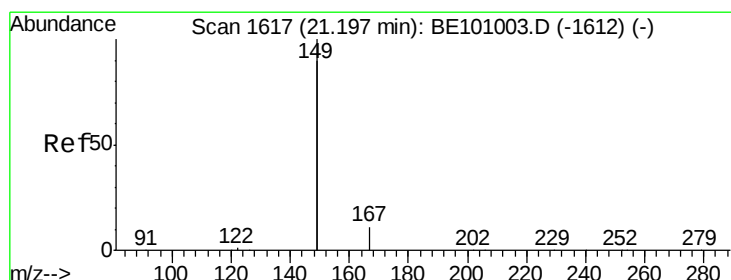
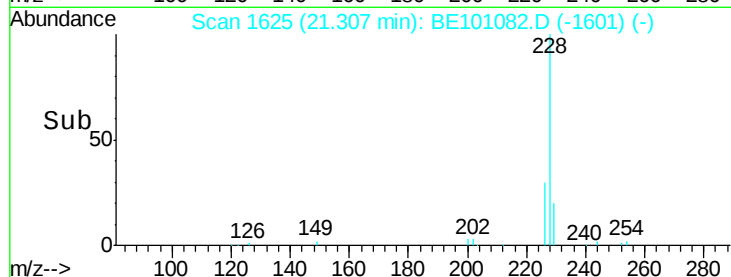
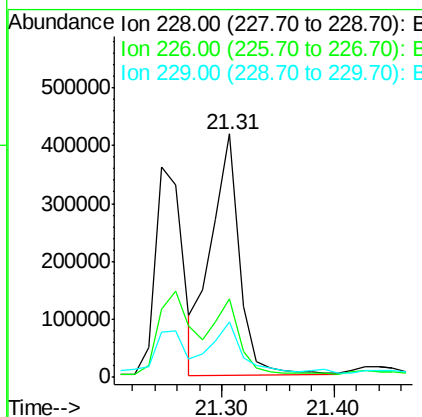
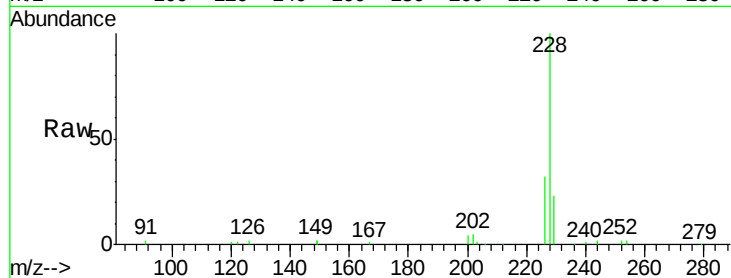
ClientSampleId :

SB-31-(2-4)

Tot Ion:	228	Resp:	732649
Ion Ratio	Lower	Upper	
228	100		
226	32.3	23.5	35.3
229	22.6	16.7	25.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.211 ng

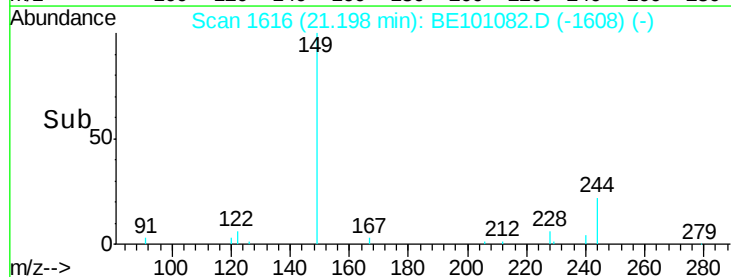
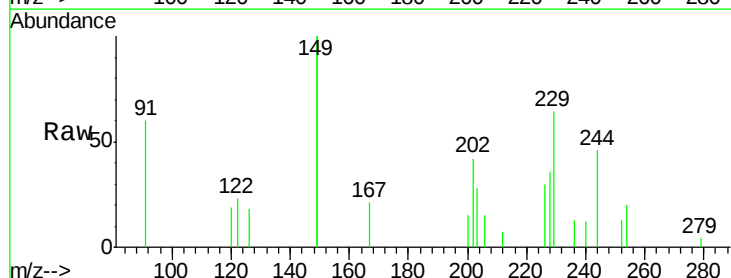
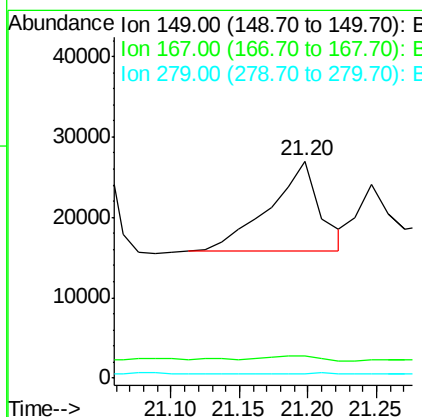
RT: 21.20 min Scan# 1616

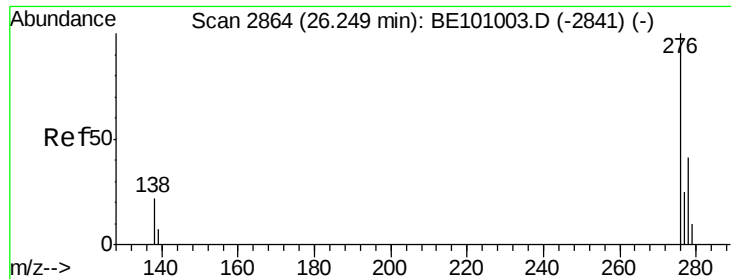
Delta R.T. 0.00 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	149	Resp:	28146
Ion Ratio	Lower	Upper	
149	100		
167	5.3	5.2	7.8
279	0.5	0.8	1.2#





#33

Indeno(1,2,3-cd)pyrene

Concen: 4.188 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

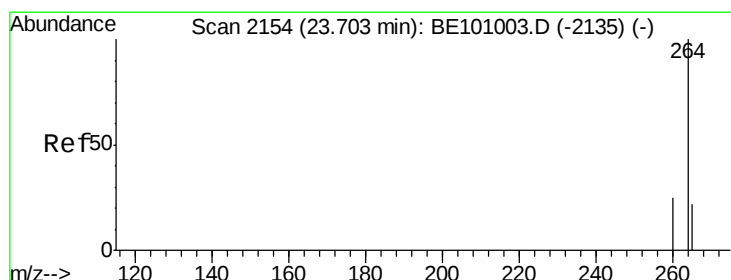
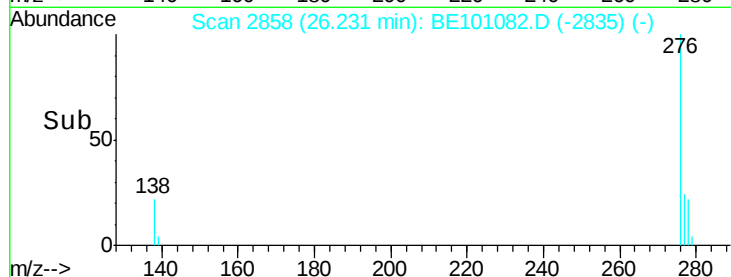
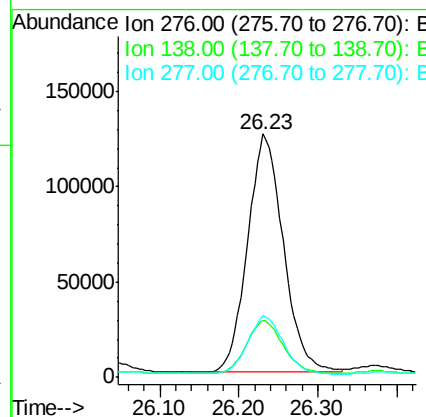
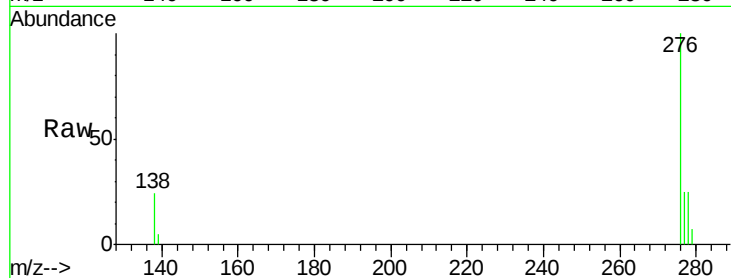
ClientSampleId :

SB-31-(2-4)

Tot Ion:	276	Resp:	394534
Ion Ratio	Lower	Upper	
276	100		
138	22.3	16.1	24.1
277	24.2	18.1	27.1

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#34

Perylene-d12

Concen: 0.400 ng

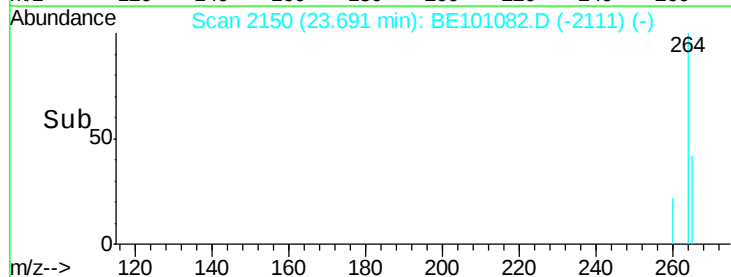
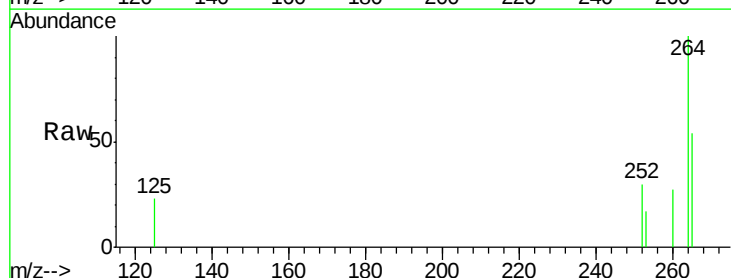
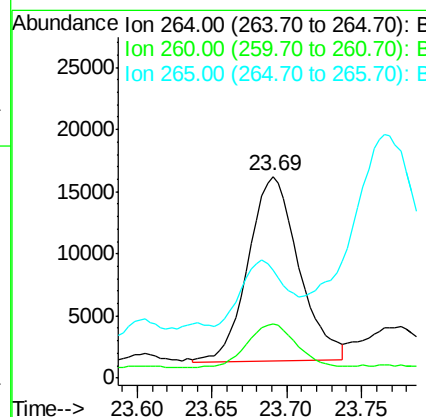
RT: 23.69 min Scan# 2150

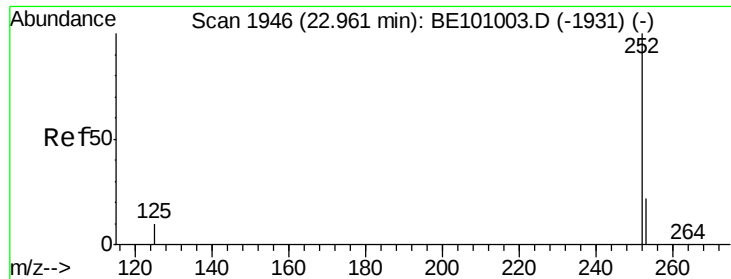
Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	264	Resp:	35030
Ion Ratio	Lower	Upper	
264	100		
260	26.7	20.3	30.5
265	53.7	27.0	40.4#





#35

Benzo(b)fluoranthene

Concen: 8.204 ng

RT: 22.96 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

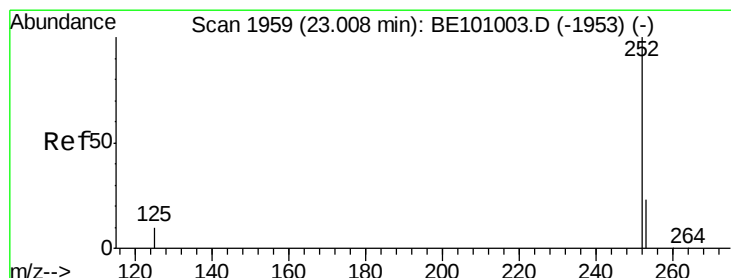
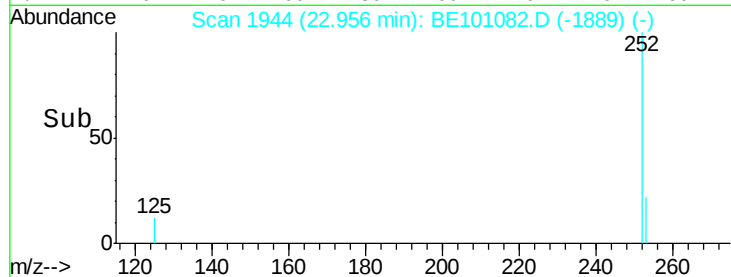
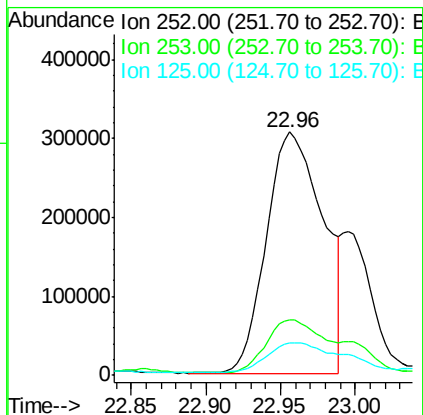
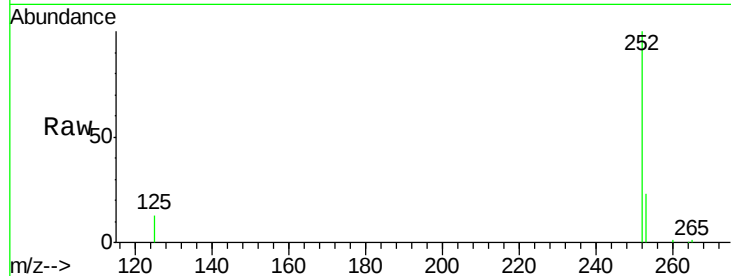
ClientSampleId :

SB-31-(2-4)

Tot Ion:	252	Resp:	805989
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.5	27.7
125	13.3	9.5	14.3

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#36

Benzo(k)fluoranthene

Concen: 1.916 ng m

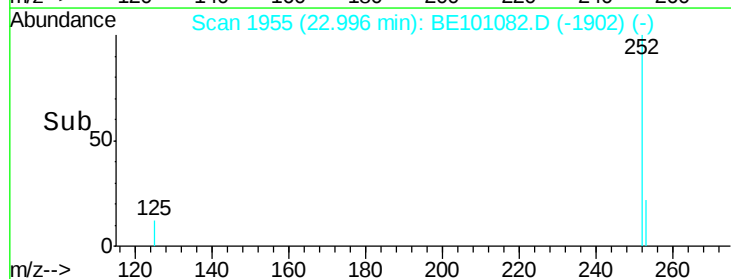
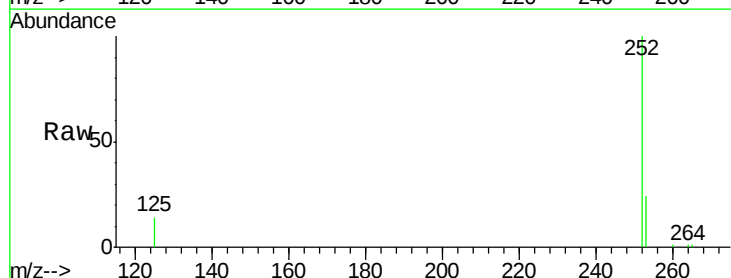
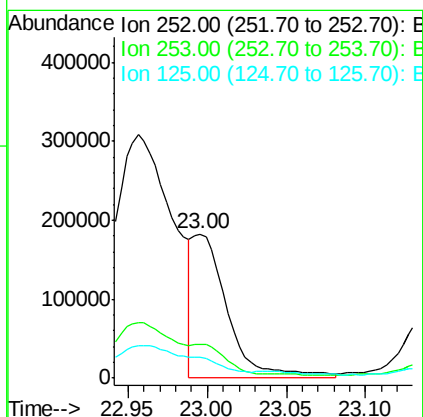
RT: 23.00 min Scan# 1955

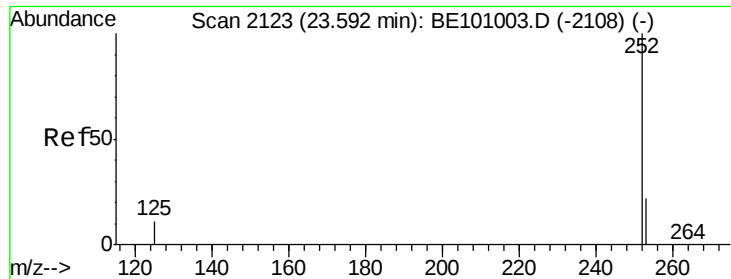
Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	252	Resp:	272791
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.9	28.3
125	14.1	10.1	15.1





#37

Benzo(a)pyrene

Concen: 5.589 ng

RT: 23.58 min Scan# 2119

Delta R.T. -0.01 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Instrument :

BNA_E

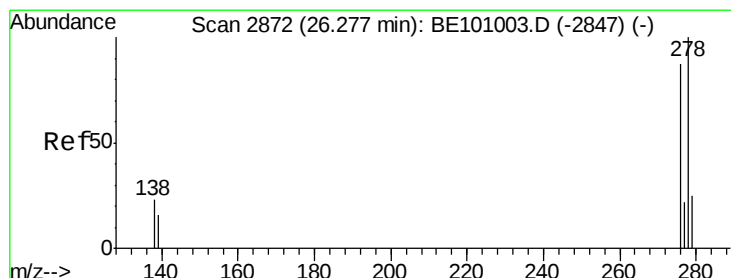
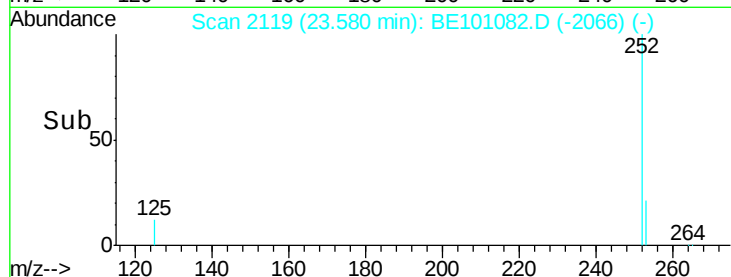
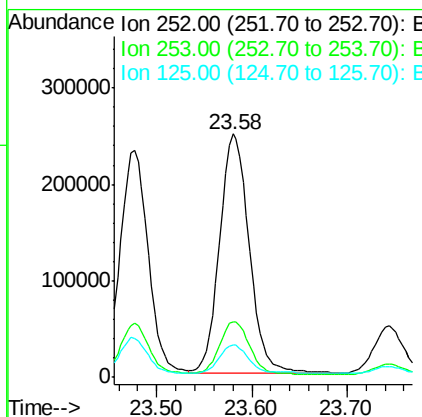
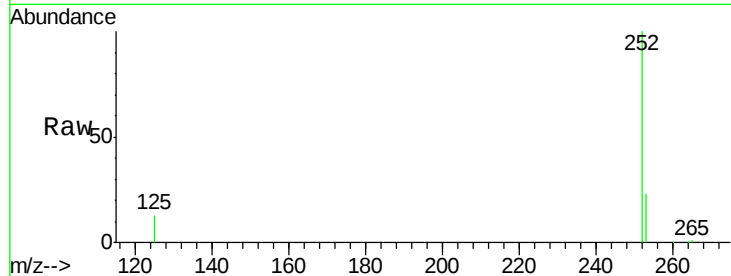
ClientSampleId :

SB-31-(2-4)

Tot Ion:	252	Resp:	531184
Ion Ratio	Lower	Upper	
252	100		
253	22.9	19.4	29.2
125	13.4	11.8	17.6

Manual Integrations
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1/17/2020 2:10:48 PM



#38

Dibenzo(a,h)anthracene

Concen: 1.378 ng

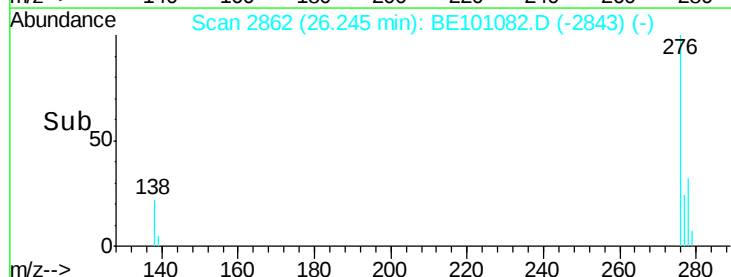
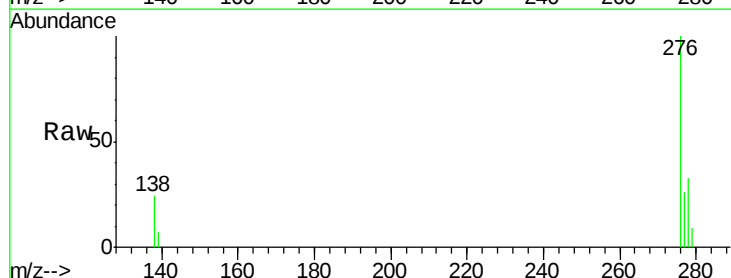
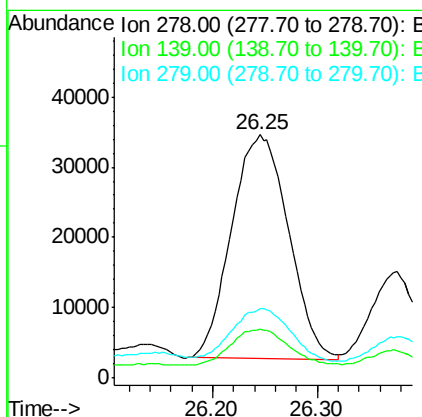
RT: 26.25 min Scan# 2862

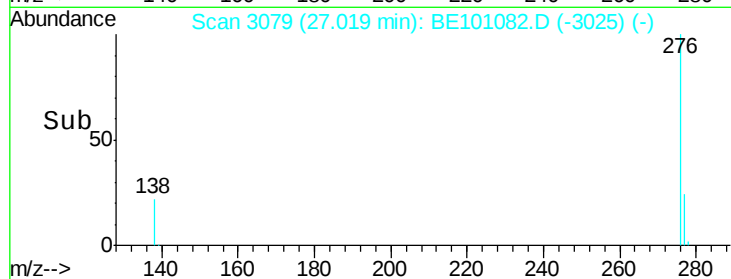
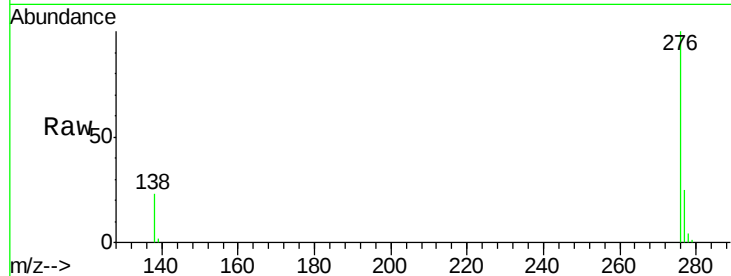
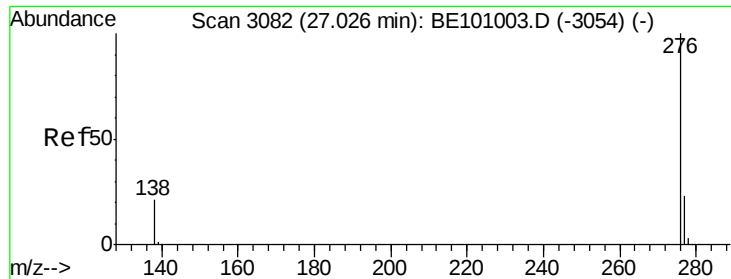
Delta R.T. -0.03 min

Lab File: BE101082.D

Acq: 16 Jan 2020 19:04

Tgt Ion:	278	Resp:	120411
Ion Ratio	Lower	Upper	
278	100		
139	20.2	15.0	22.4
279	28.3	22.6	33.8





#39
 Benzo(a,h,i)perylene
 Concen: 3.841 ng
 RT: 27.02 min Scan# 3079
 Delta R.T. -0.01 min
 Lab File: BE101082.D
 Acq: 16 Jan 2020 19:04

Instrument :
 BNA_E
 ClientSampleId :
 SB-31-(2-4)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.4	29.2
138	23.4	17.9	26.9

Manual Integrations
 APPROVED

mohammad
 1/17/2020 2:10:48 PM

