

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101080.D
 Acq On : 16 Jan 2020 17:49
 Operator : JU
 Sample : L1148-06 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-27-(4-6)

Manual Integrations
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mohammad
 1/17/2020 2:10:42 PM

Quant Time: Jan 17 13:06:58 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	4072	0.40	ng	-0.01
7) Naphthalene-d8	10.49	136	17306	0.40	ng	-0.01
13) Acenaphthene-d10	14.36	164	13452	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	27598	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	31519	0.40	ng	-0.01
34) Perylene-d12	23.68	264	34335	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.33	112	1088	0.12	ng	-0.01
5) Phenol-d6	6.91	99	1042	0.09	ng	-0.01
8) Nitrobenzene-d5	8.86	82	1363	0.11	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	2946	0.09	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	463	0.12	ng	-0.01
15) 2-Fluorobiphenyl	12.97	172	3848	0.08	ng	-0.03
25) Fluoranthene-d10	19.12	212	32399	0.08	ng	-0.01
29) Terphenyl-d14	19.72	244	7068	0.09	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.54	128	351592	1.830	ng	100
12) 2-Methylnaphthalene	12.17	142	20507	0.706	ng	# 3
16) Acenaphthylene	14.07	152	158944	2.901	ng	99
17) Acenaphthene	14.41	154	32522	0.829	ng	88
18) Fluorene	15.39	166	51169	1.032	ng	93
22) Pentachlorophenol	16.75	266	103	0.270	ng	89
23) Phenanthrene	17.12	178	386122	5.124	ng	99
24) Anthracene	17.21	178	86289	1.213	ng	98
26) Fluoranthene	19.15	202	711605	7.540	ng	99
28) Pvrene	19.51	202	807174	6.880	ng	# 96
30) Benzo(a)anthracene	21.24	228	545922	6.070	ng	95
31) Chrysene	21.31	228	590962	4.421	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	17777	0.119	ng	# 93
33) Indeno(1,2,3-cd)pyrene	26.23	276	447906	4.241	ng	97
35) Benzo(b)fluoranthene	22.95	252	777035	8.069	ng	100
36) Benzo(k)fluoranthene	22.99	252	311602m	2.233	ng	
37) Benzo(a)pvrene	23.58	252	568798	6.106	ng	96
38) Dibenzo(a,h)anthracene	26.24	278	117988	1.377	ng	99
39) Benzo(g,h,i)perylene	27.00	276	509265	4.834	ng	99

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

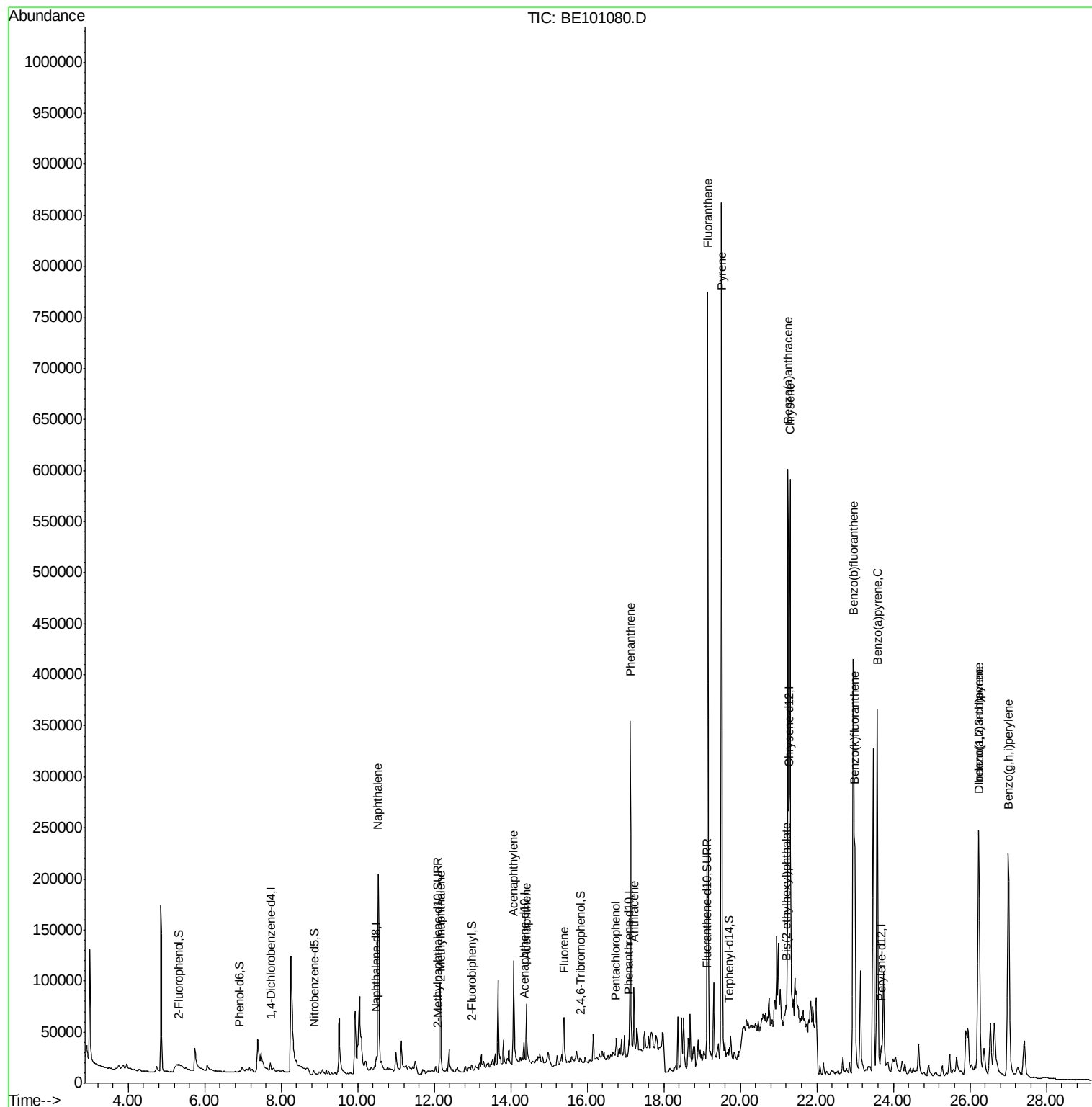
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
Data File : BE101080.D
Acq On : 16 Jan 2020 17:49
Operator : JU
Sample : L1148-06 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

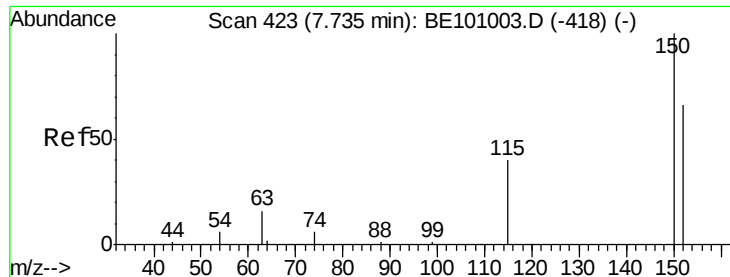
Instrument :
BNA_E
ClientSampled :
SB-27-(4-6)

Quant Time: Jan 17 13:06:58 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
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#1

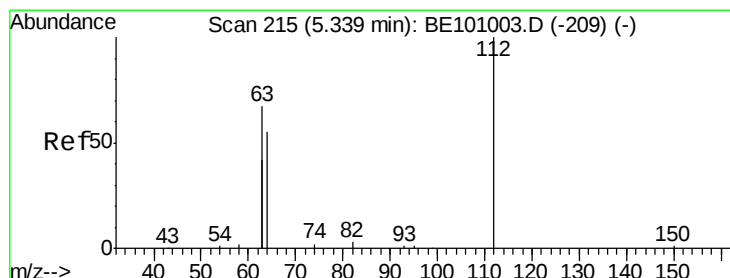
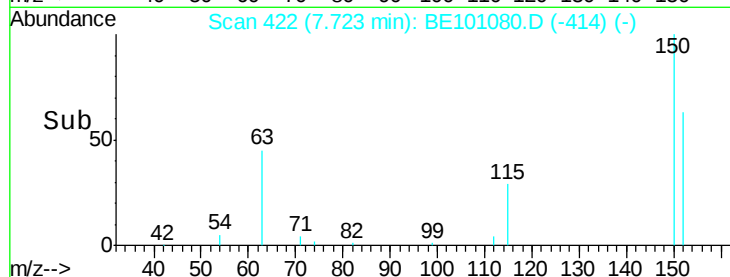
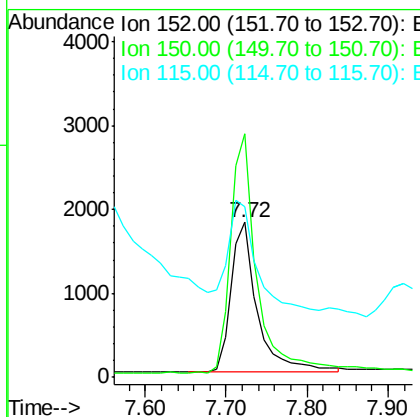
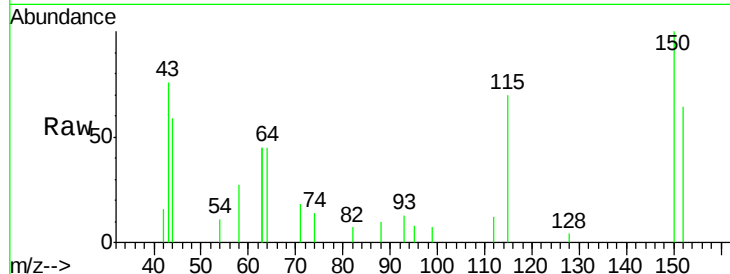
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	120.3	180.5
115	110.3	51.7	77.5

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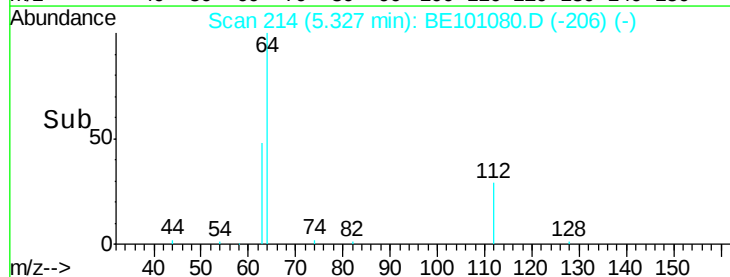
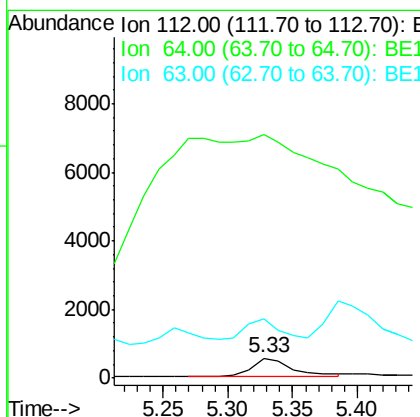
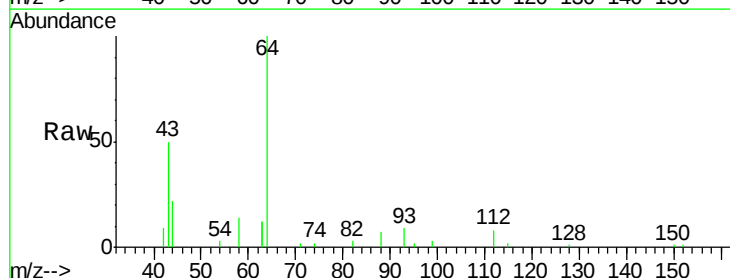
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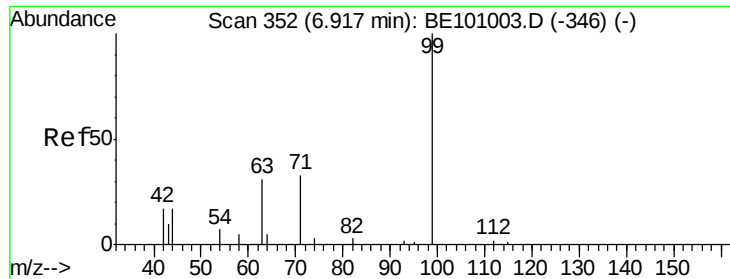


#4

2-Fluorophenol
Concen: 0.119 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	53.6	80.4
63	97.8	114.6	172.0





#5

Phenol-d6

Concen: 0.090 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

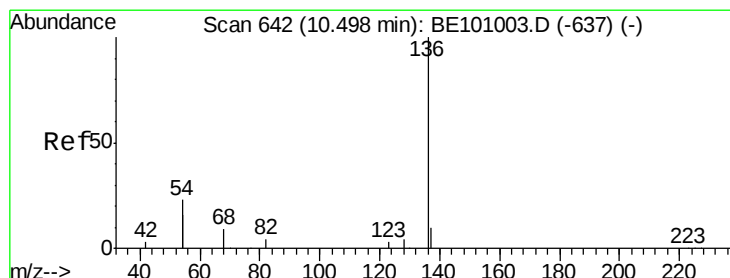
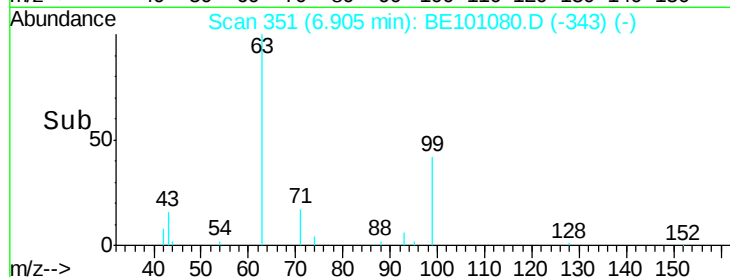
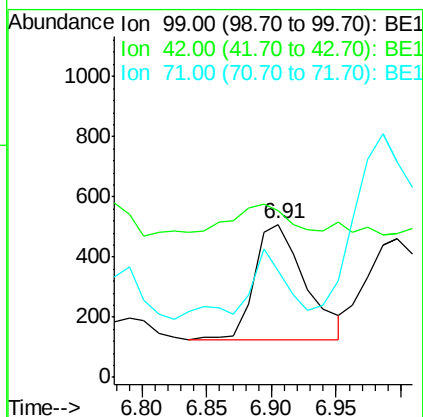
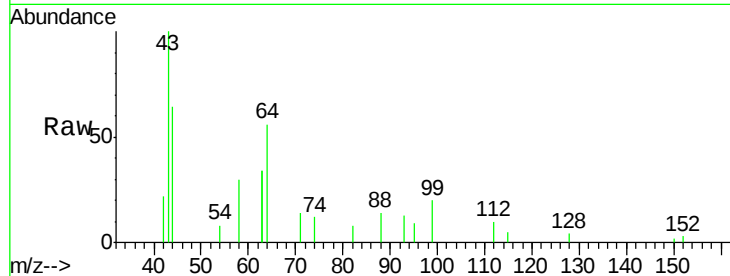
ClientSampled :

SB-27-(4-6)

Tot Ion:	99	Resp:	1042
Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	46.4	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

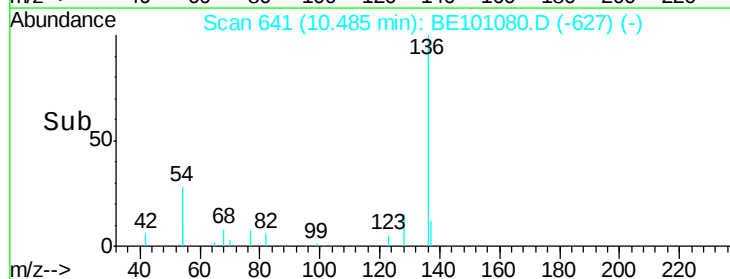
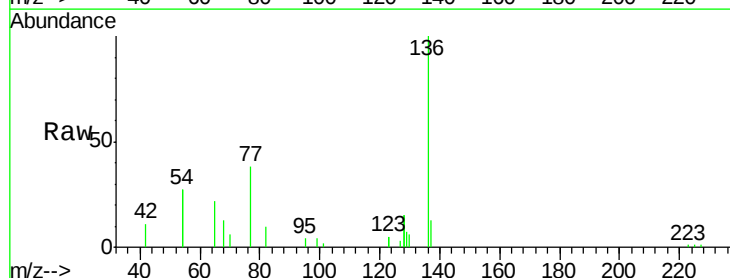
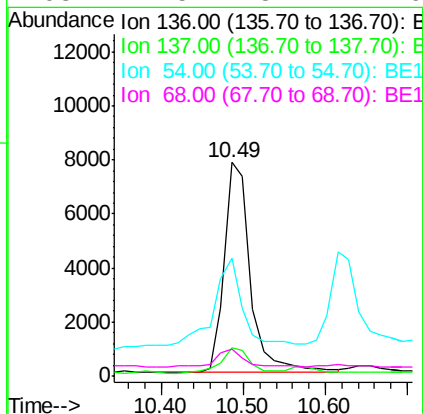
RT: 10.49 min Scan# 641

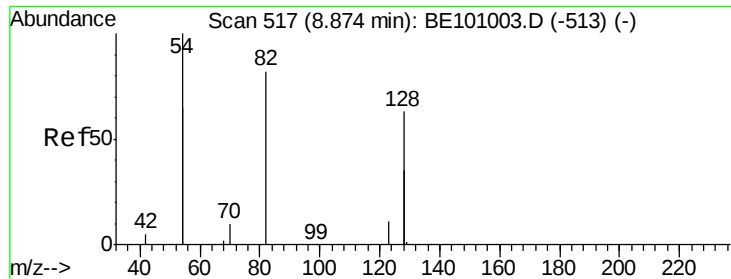
Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion:	136	Resp:	17306
Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.3	13.9
54	54.9	36.8	55.2
68	12.5	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.110 ng

RT: 8.86 min Scan# 516

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

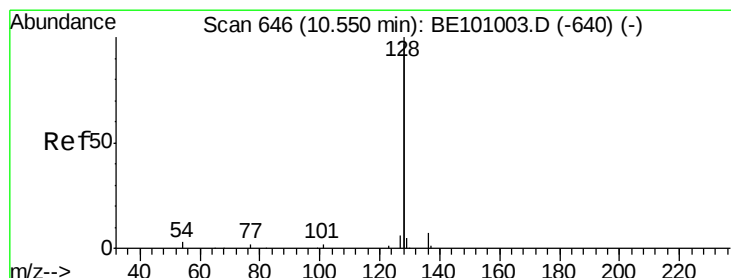
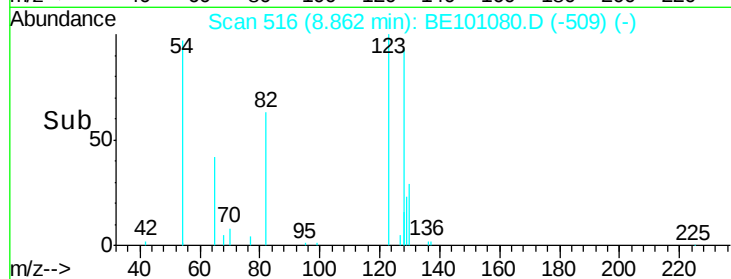
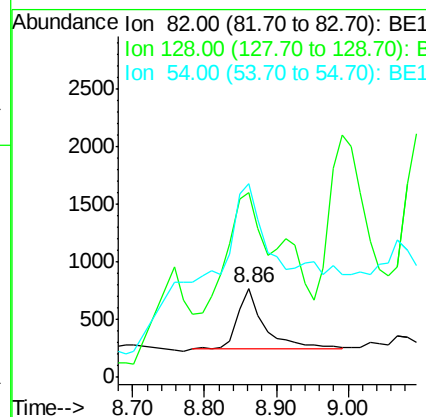
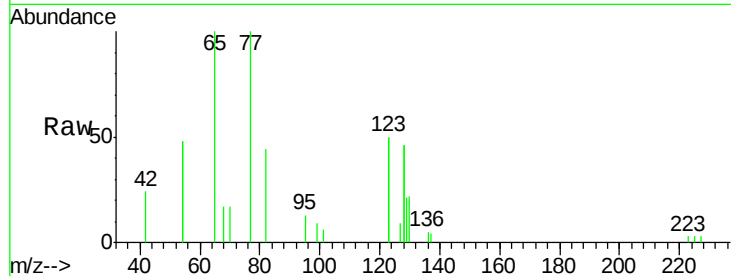
ClientSampleId :

SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	207.8	109.8	164.6#
54	216.8	174.5	261.7

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#9

Naphthalene

Concen: 1.830 ng

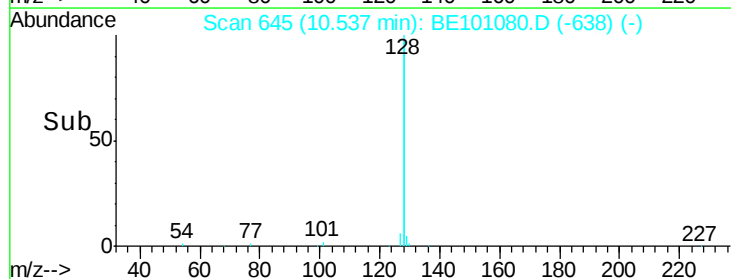
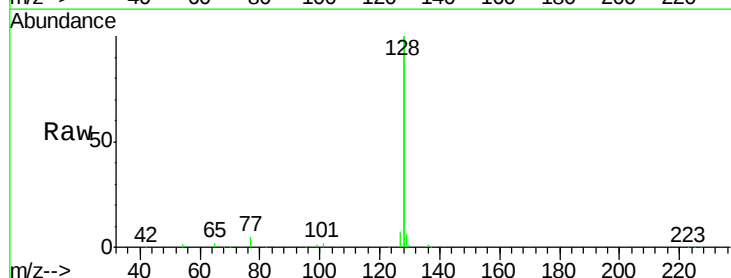
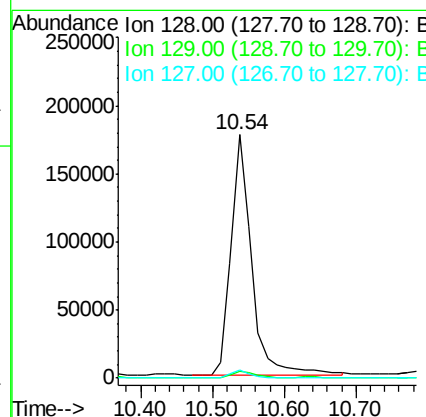
RT: 10.54 min Scan# 645

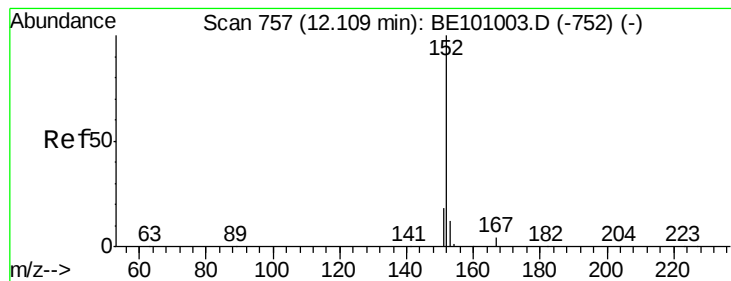
Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.3	3.5
127	3.3	2.7	4.1





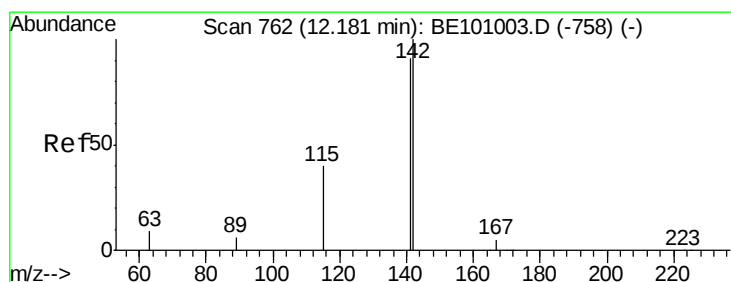
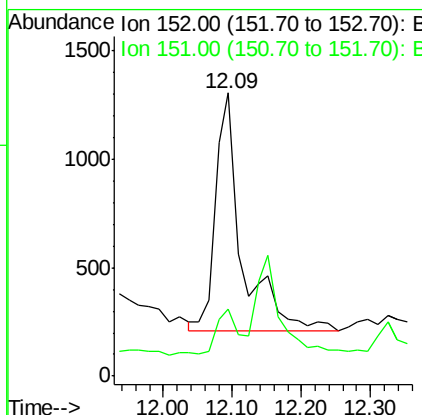
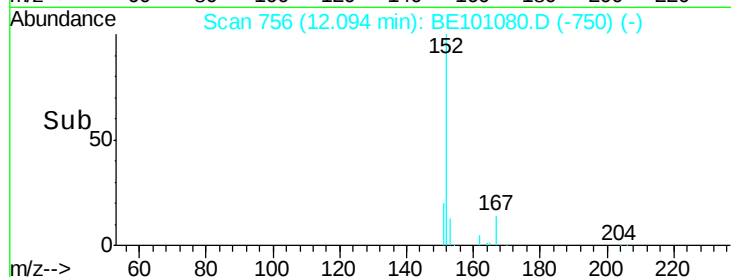
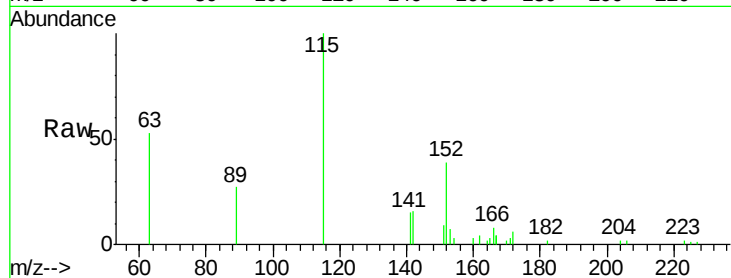
#11
2-Methylnaphthalene-d10
Concen: 0.089 ng
RT: 12.09 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampled :
SB-27-(4-6)

Tot Ion:152 Resp: 2946
Ion Ratio Lower Upper
152 100
151 14.9 15.0 22.6#

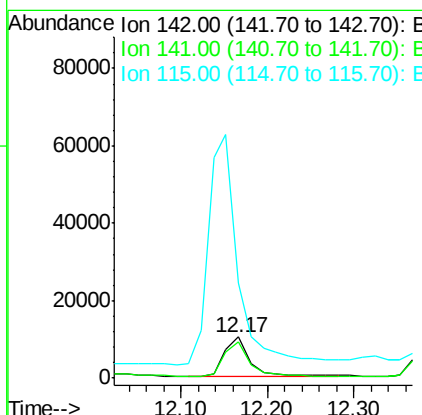
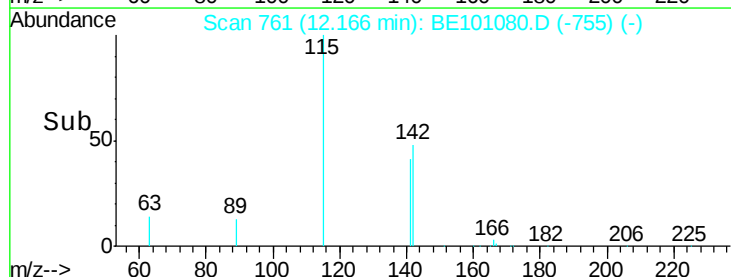
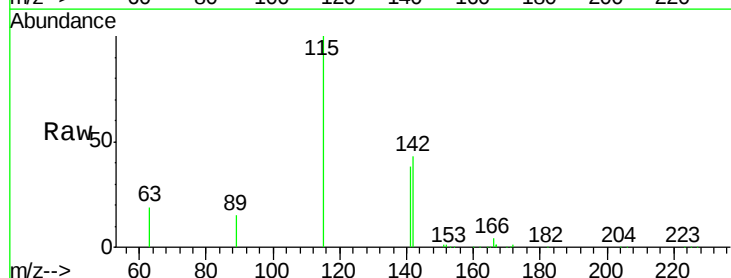
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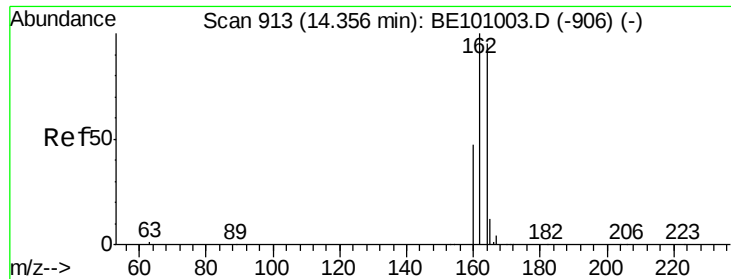
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#12
2-Methylnaphthalene
Concen: 0.706 ng
RT: 12.17 min Scan# 761
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion:142 Resp: 20507
Ion Ratio Lower Upper
142 100
141 86.7 72.5 108.7
115 230.6 33.0 49.6#





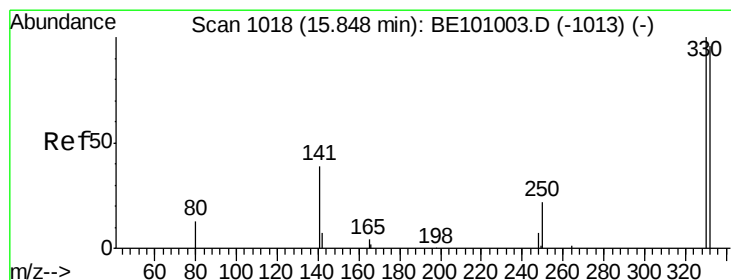
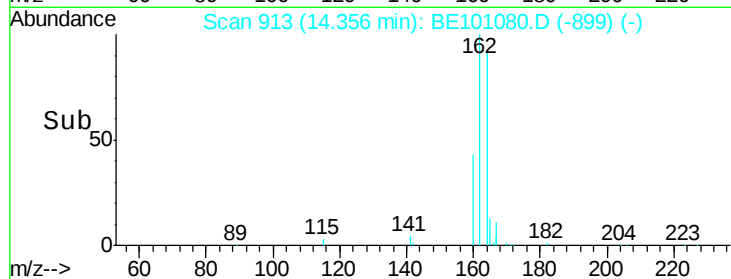
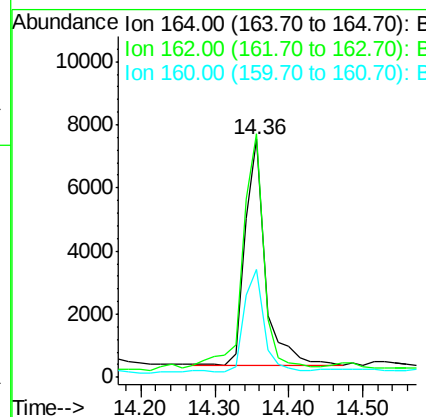
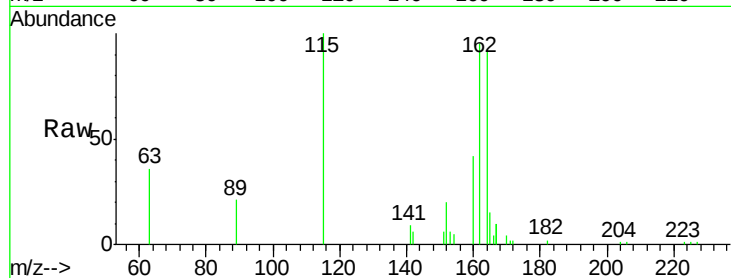
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	84.1	126.1
160	45.1	40.4	60.6

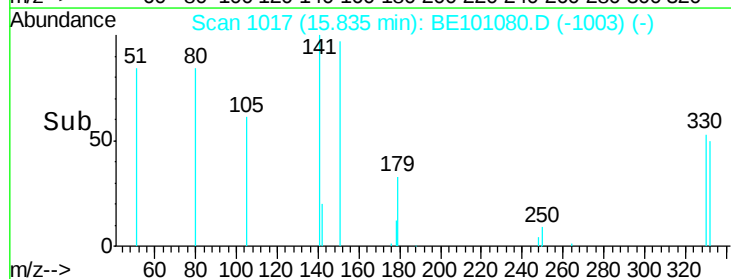
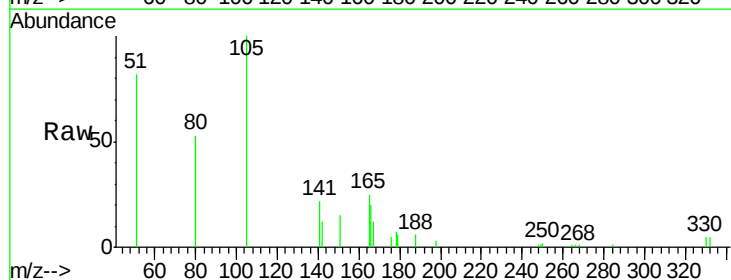
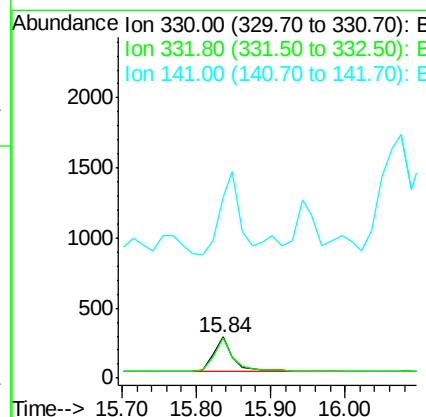
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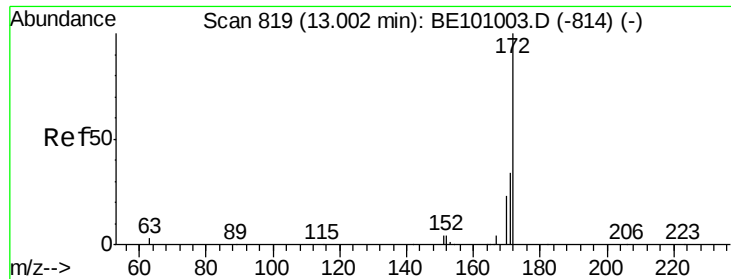
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#14
2,4,6-Tribromophenol
Concen: 0.122 ng
RT: 15.84 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.1	78.4	117.6
141	248.4	37.0	55.4#





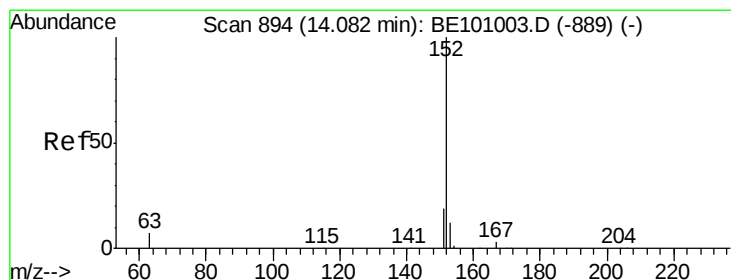
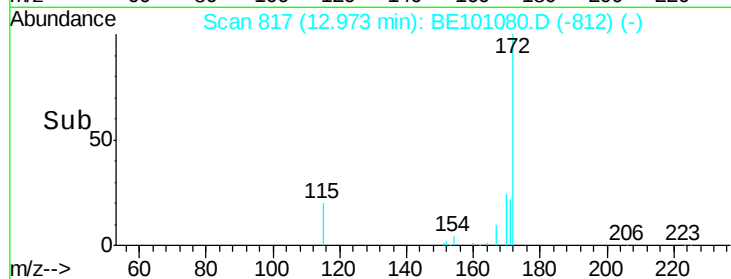
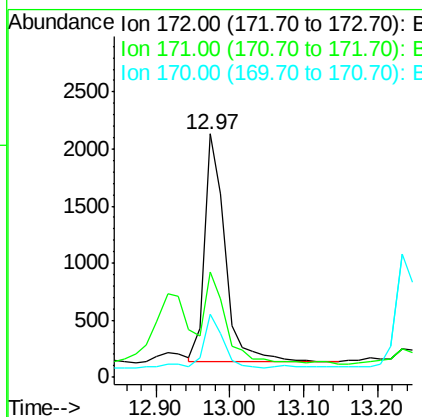
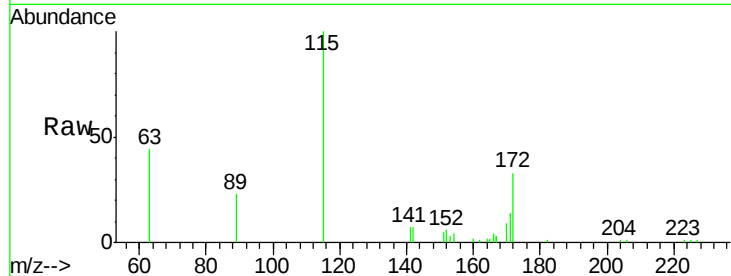
#15
2-Fluorobiphenyl
Concen: 0.075 ng
RT: 12.97 min Scan# 817
Delta R.T. -0.03 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	43.1	28.2	42.2#
170	25.9	18.9	28.3

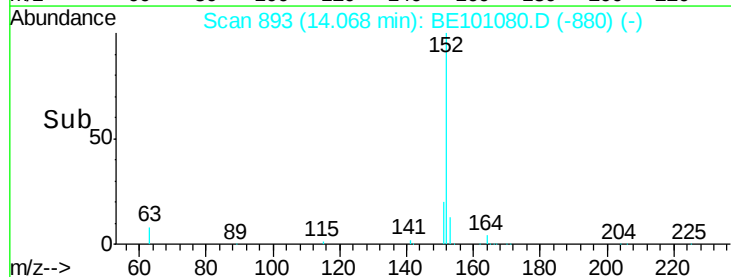
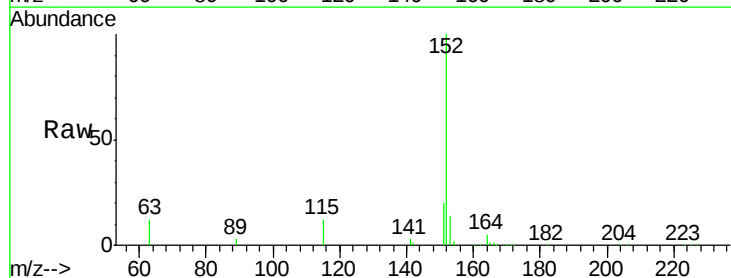
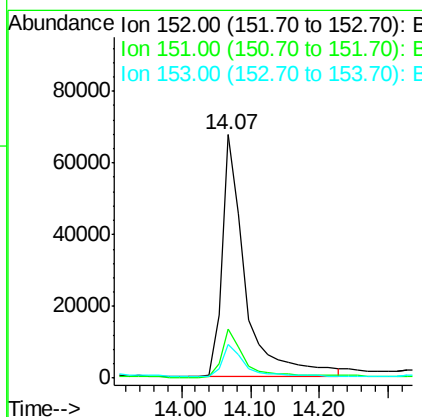
Manual Integrations
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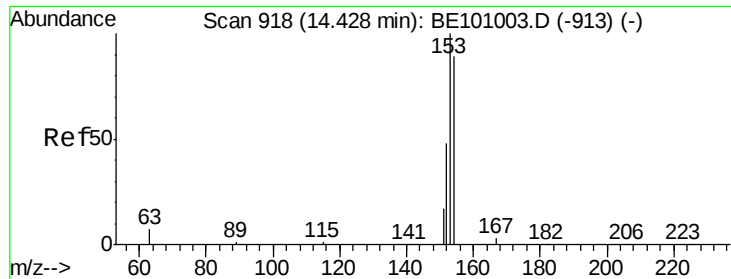
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#16
Acenaphthylene
Concen: 2.901 ng
RT: 14.07 min Scan# 893
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.5	23.3
153	12.7	10.4	15.6





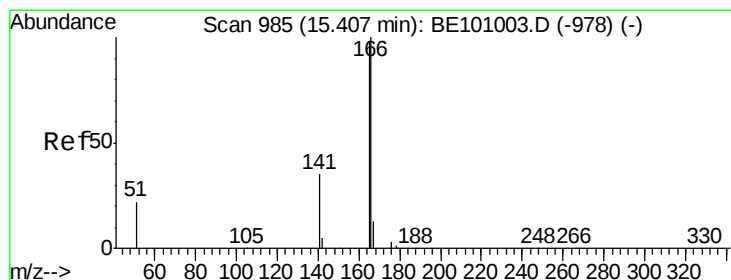
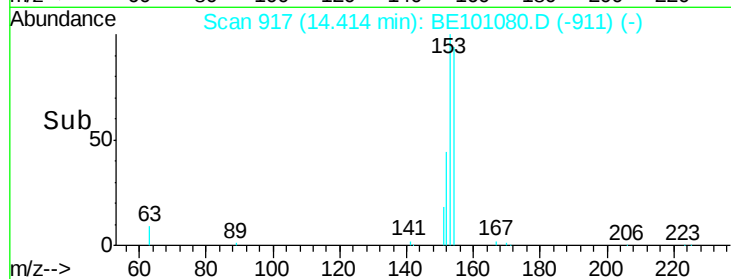
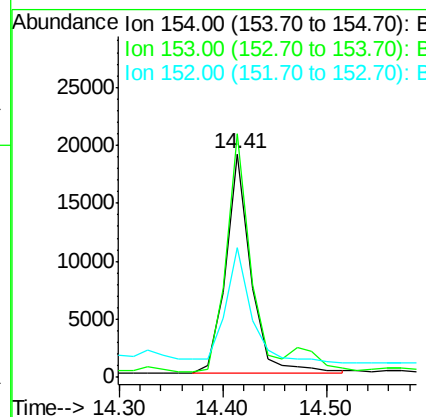
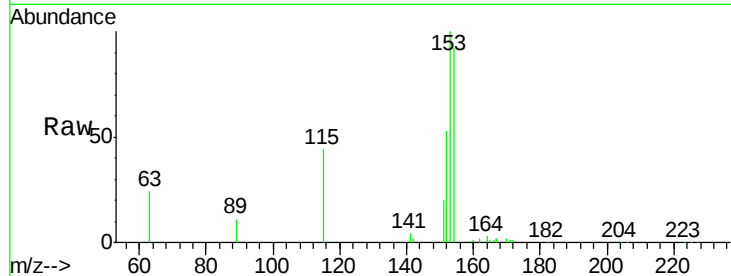
#17
Acenaphthene
Concen: 0.829 ng
RT: 14.41 min Scan# 917
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
154	100		
153	101.2	93.6	140.4
152	52.8	46.3	69.5

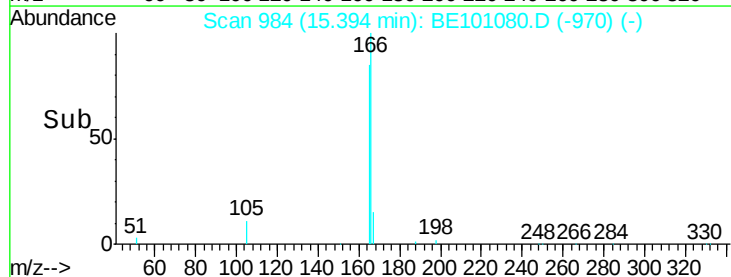
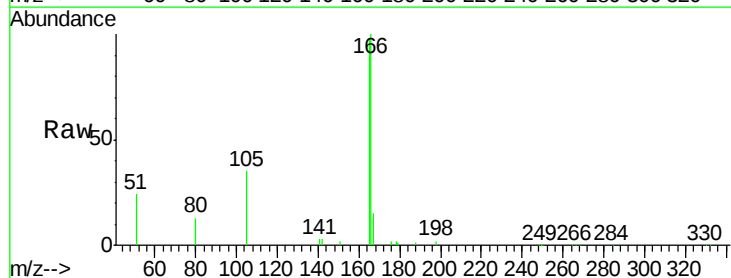
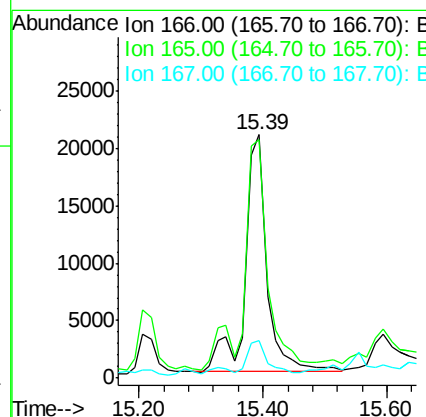
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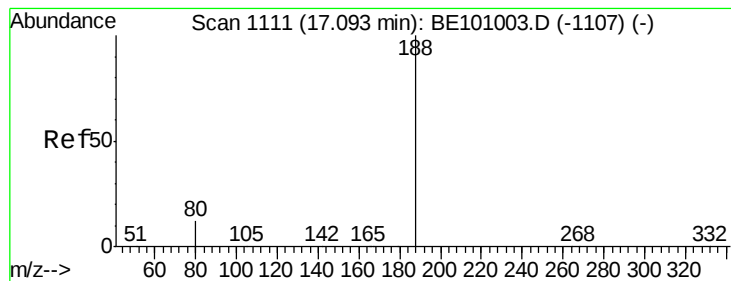
mohammad
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#18
Fluorene
Concen: 1.032 ng
RT: 15.39 min Scan# 984
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.3	79.8	119.8
167	12.3	11.0	16.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1110

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

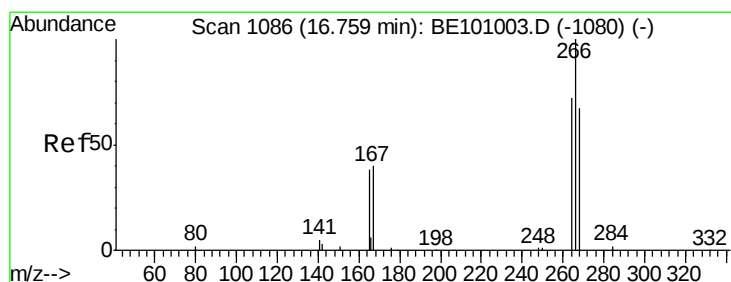
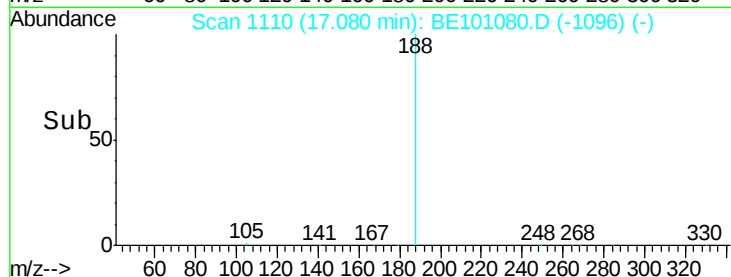
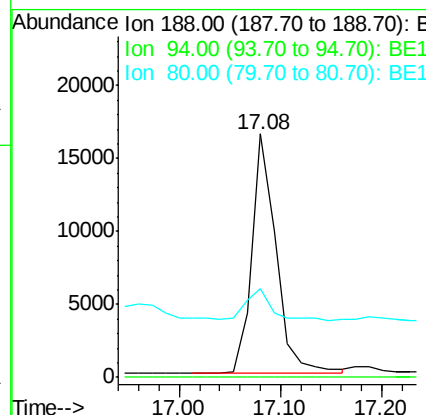
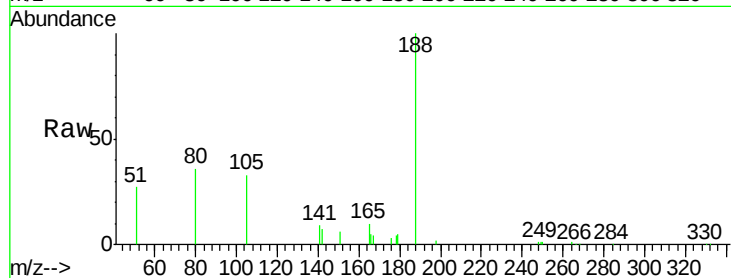
ClientSampleId :

SB-27-(4-6)

Tot Ion:	188	Resp:	27598
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	36.3	10.8	16.2#

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#22

Pentachlorophenol

Concen: 0.270 ng

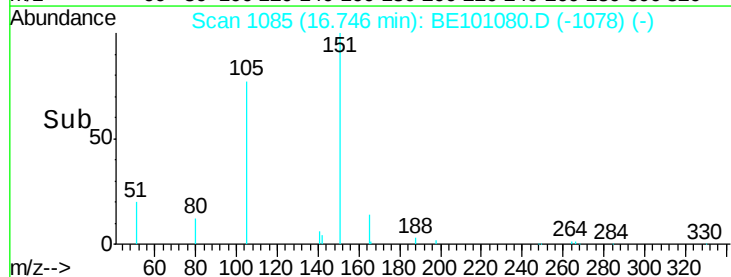
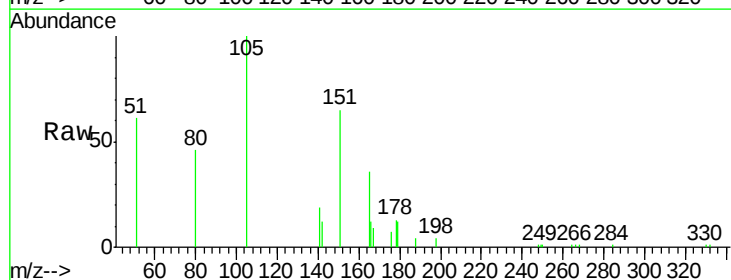
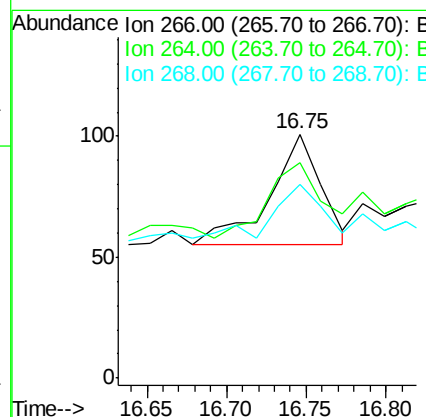
RT: 16.75 min Scan# 1085

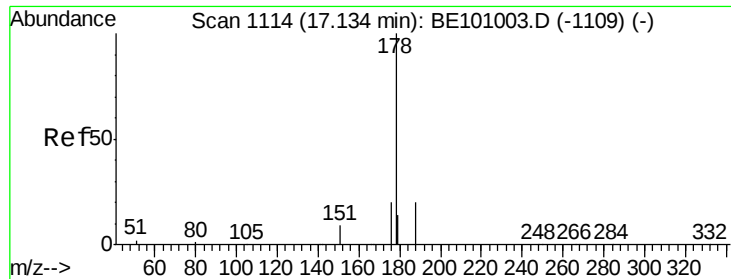
Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion:	266	Resp:	103
Ion Ratio	Lower	Upper	
266	100		
264	88.1	61.0	91.4
268	79.2	58.5	87.7





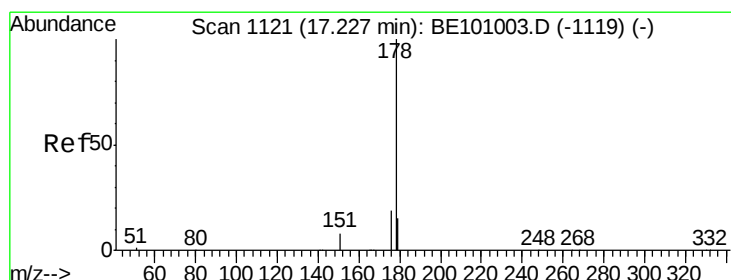
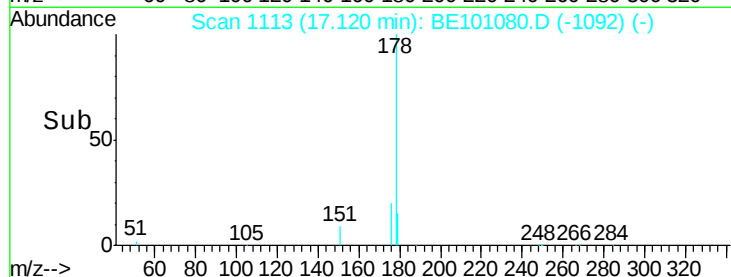
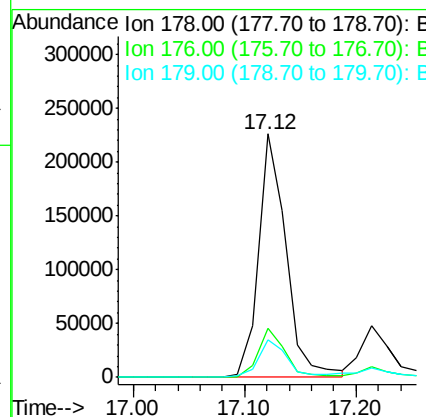
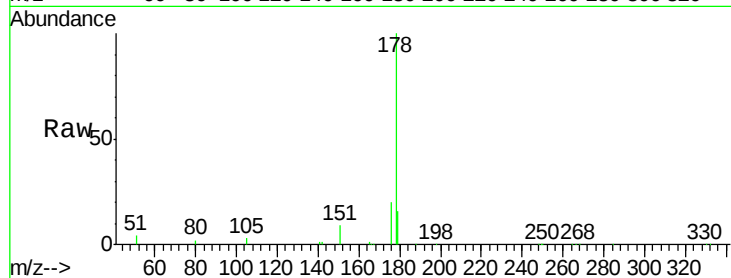
#23
Phenanthrene
Concen: 5.124 ng
RT: 17.12 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.9	12.0	18.0

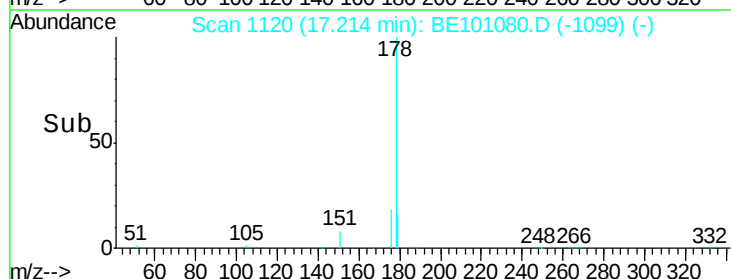
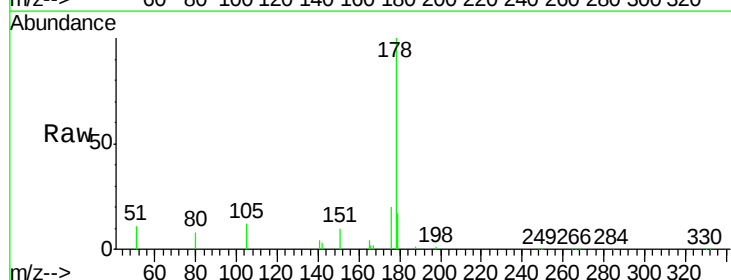
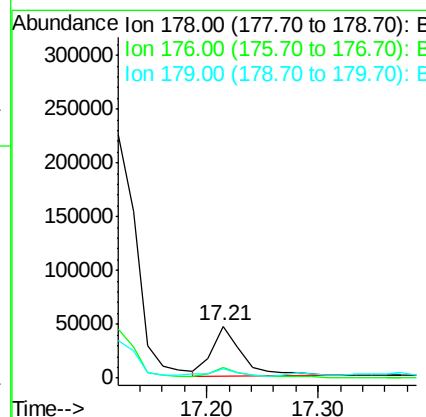
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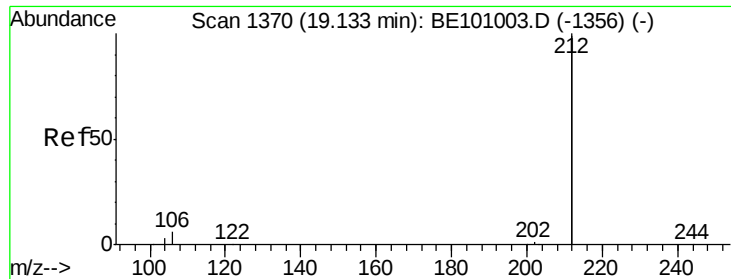
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#24
Anthracene
Concen: 1.213 ng
RT: 17.21 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	16.9	12.4	18.6





#25

Fluoranthene-d10

Concen: 0.085 ng

RT: 19.12 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

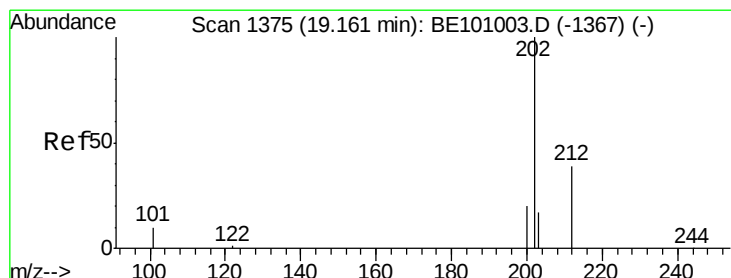
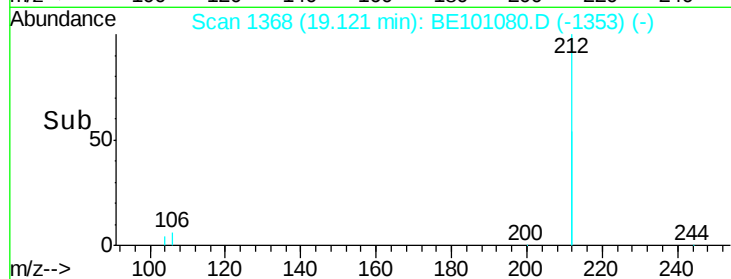
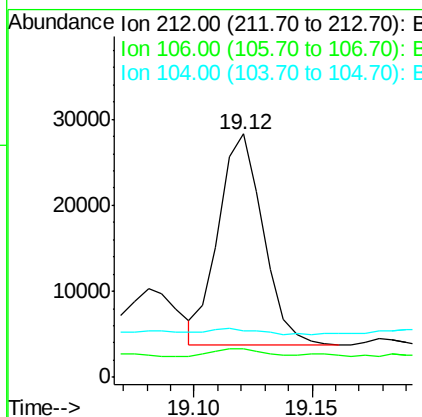
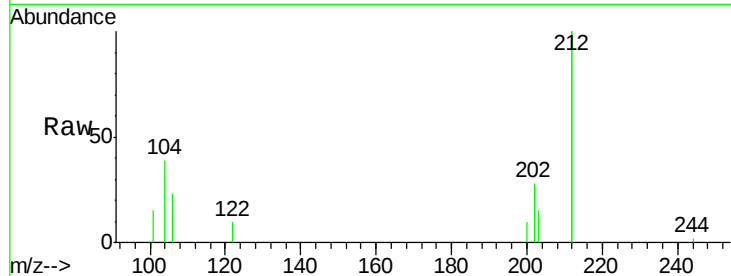
ClientSampleId :

SB-27-(4-6)

Tot Ion:	212	Resp:	32399
Ion Ratio	Lower	Upper	
212	100		
106	4.0	2.6	3.8#
104	2.8	1.4	2.0#

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#26

Fluoranthene

Concen: 7.540 ng

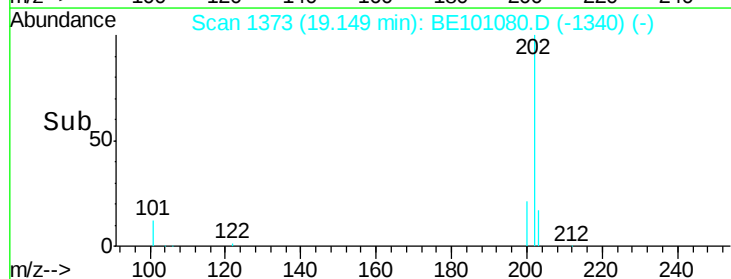
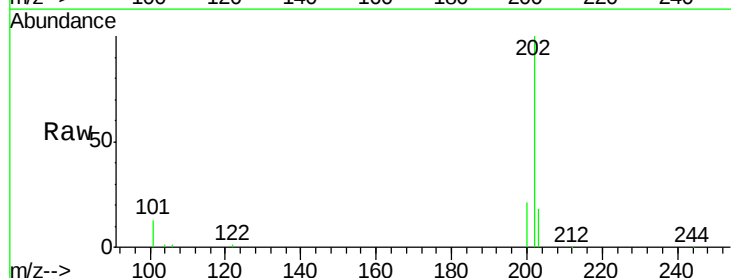
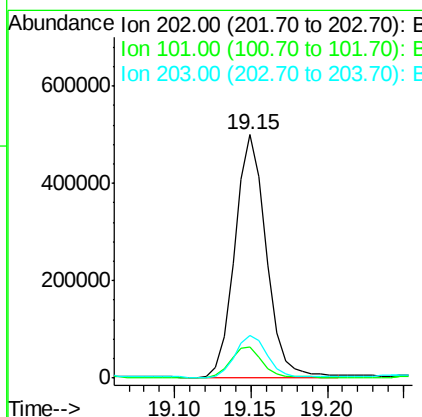
RT: 19.15 min Scan# 1373

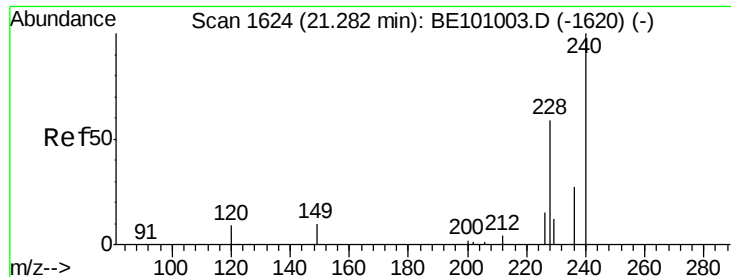
Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion:	202	Resp:	711605
Ion Ratio	Lower	Upper	
202	100		
101	12.8	9.6	14.4
203	17.6	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

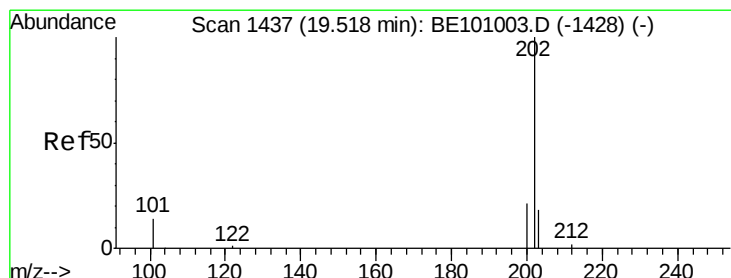
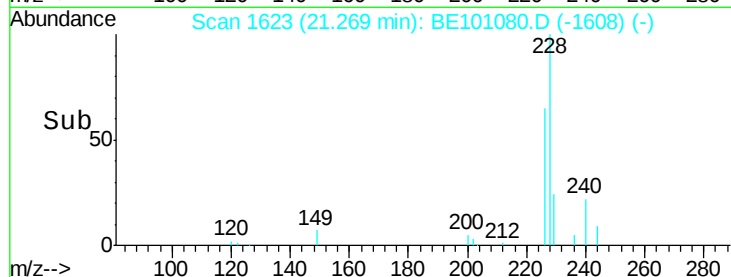
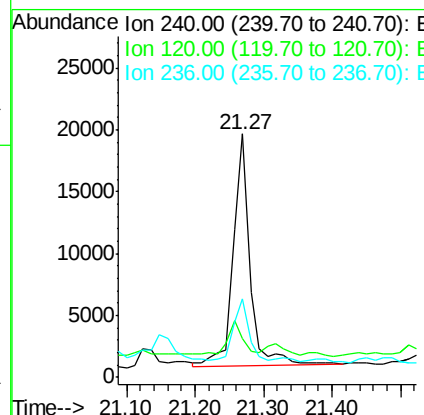
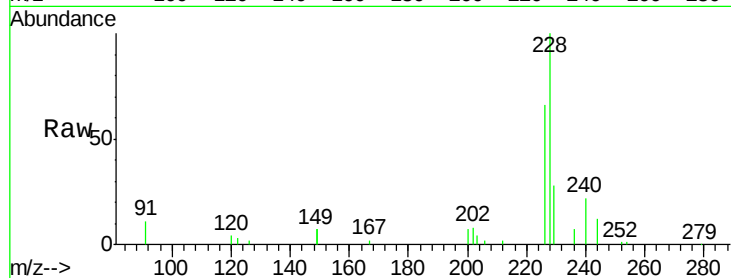
ClientSampled :

SB-27-(4-6)

Tot Ion:	240	Resp:	31519
Ion Ratio	Lower	Upper	
240	100		
120	16.2	8.6	13.0#
236	32.1	22.2	33.4

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#28

Pyrene

Concen: 6.880 ng

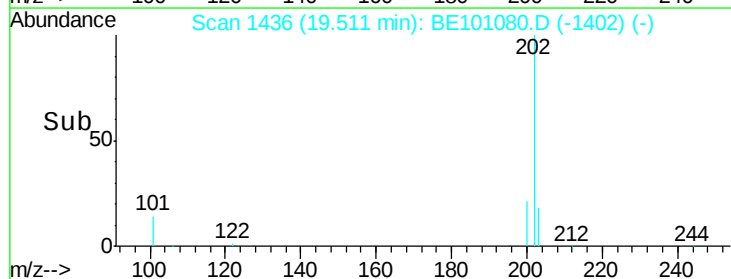
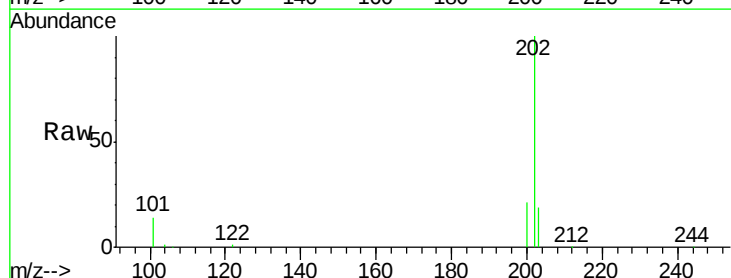
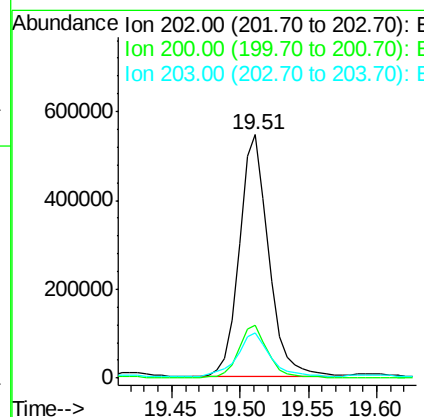
RT: 19.51 min Scan# 1436

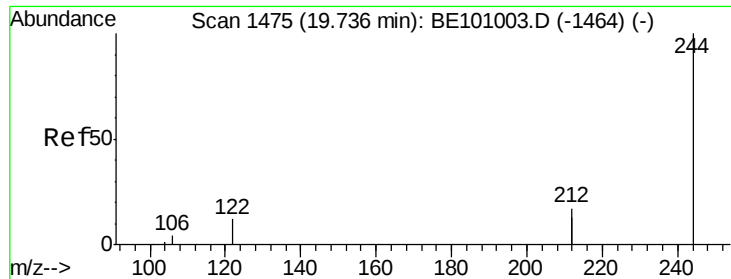
Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion:	202	Resp:	807174
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.0	25.4
203	21.0	13.8	20.6#





#29

Terphenyl-d14

Concen: 0.091 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.02 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

ClientSampleId :

SB-27-(4-6)

Tot Ion:244 Resp: 7068

Ion Ratio Lower Upper

244 100

212 86.0 27.2 40.8#

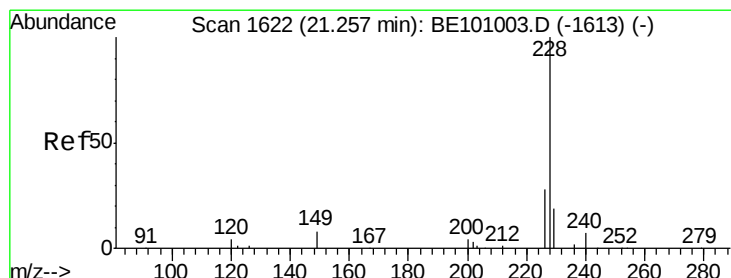
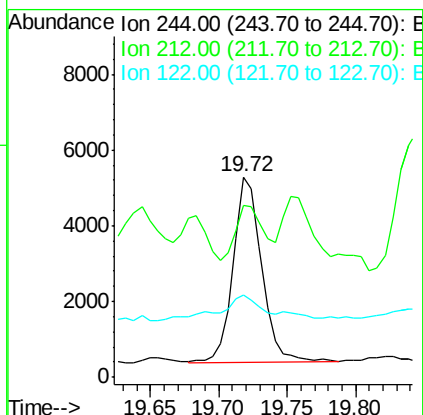
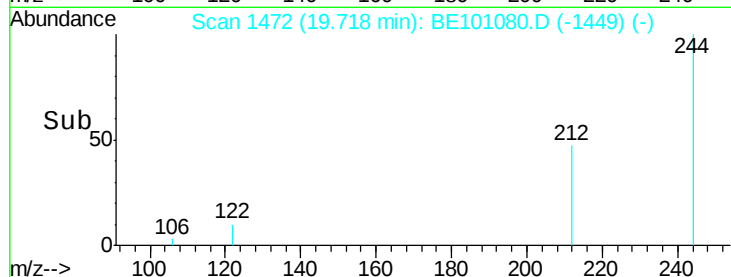
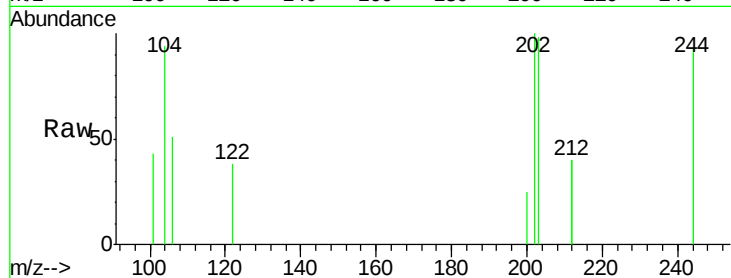
122 41.1 9.8 14.8#

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#30

Benzo(a)anthracene

Concen: 6.070 ng

RT: 21.24 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

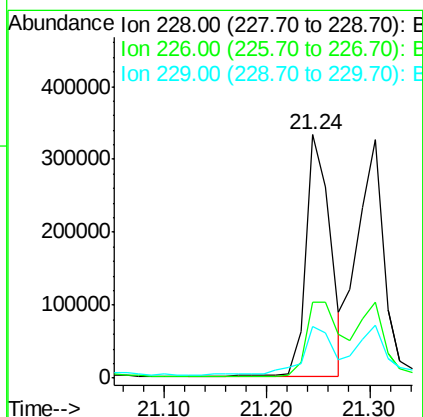
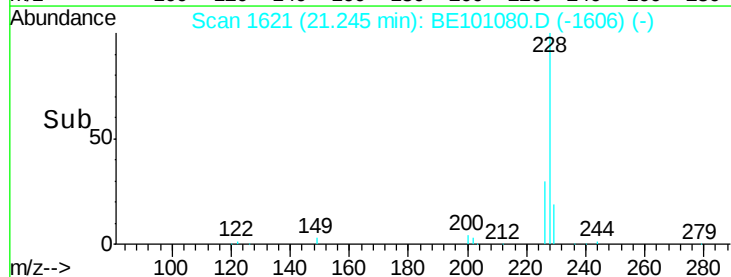
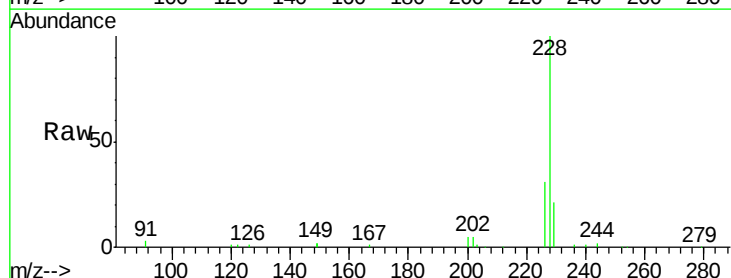
Tgt Ion:228 Resp: 545922

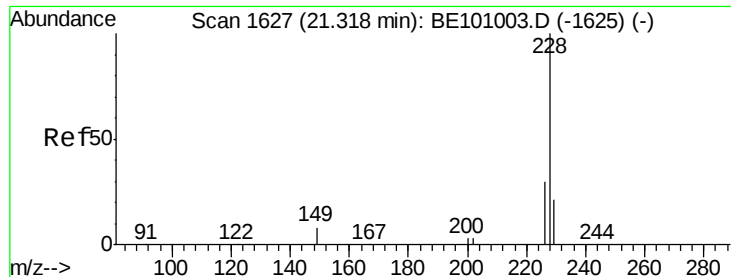
Ion Ratio Lower Upper

228 100

226 31.4 22.7 34.1

229 21.2 15.5 23.3





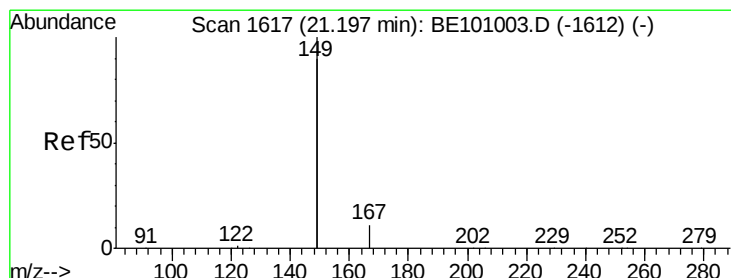
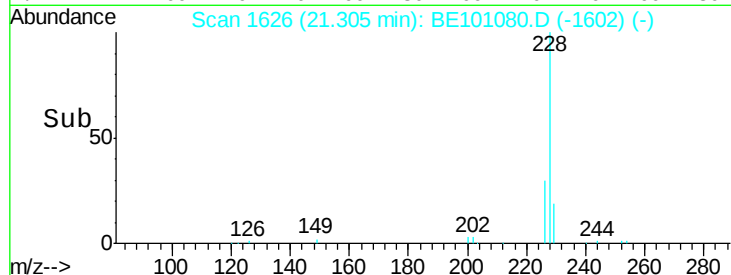
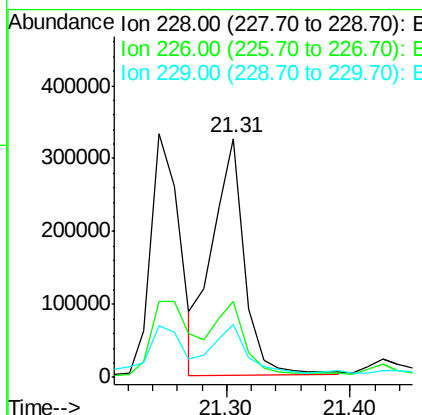
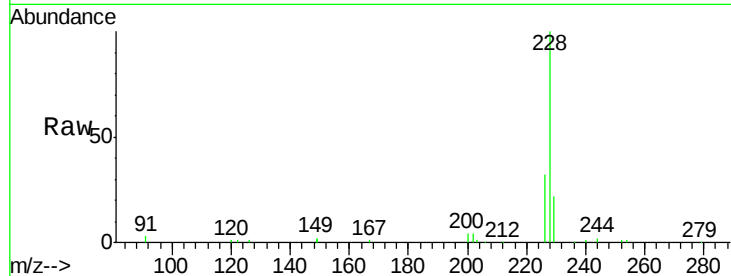
#31
 Chrysene
 Concen: 4.421 ng
 RT: 21.31 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: BE101080.D
 Acq: 16 Jan 2020 17:49

Instrument :
 BNA_E
 ClientSampleId :
 SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.5	35.3
229	22.4	16.7	25.1

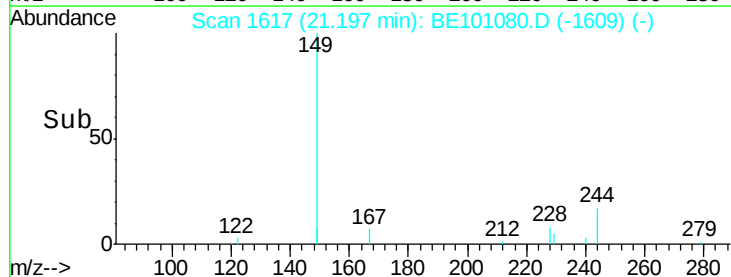
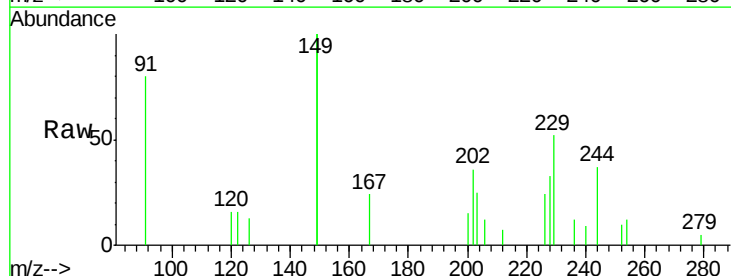
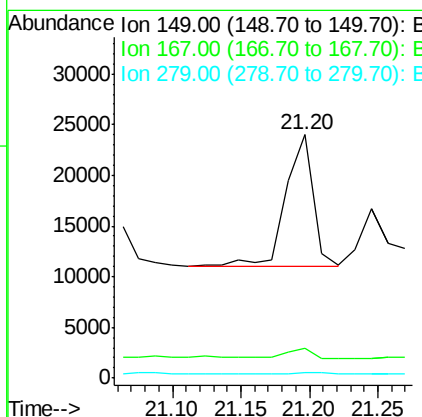
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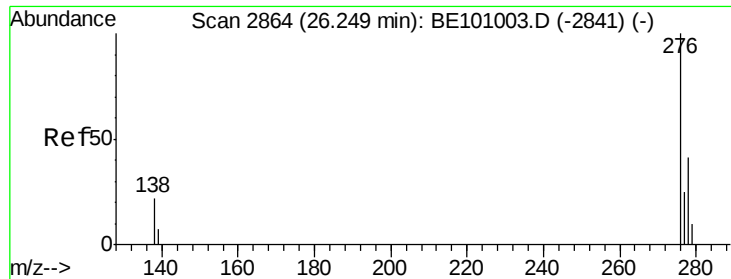
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.119 ng
 RT: 21.20 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BE101080.D
 Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
149	100		
167	9.3	5.2	7.8#
279	0.9	0.8	1.2





#33

Indeno(1,2,3-cd)pyrene

Concen: 4.241 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.02 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

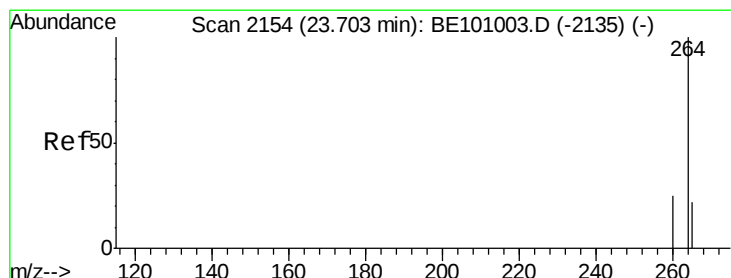
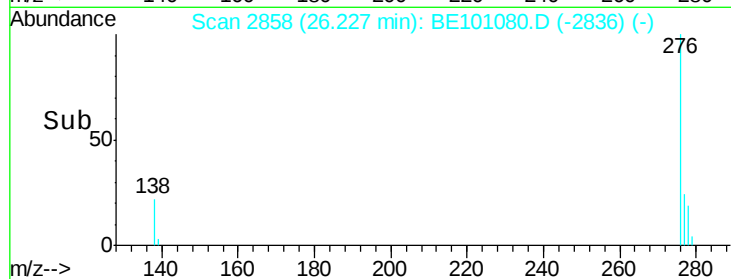
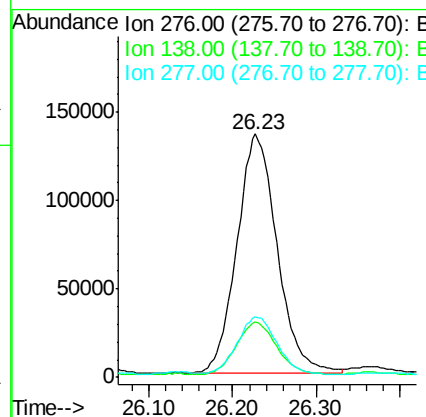
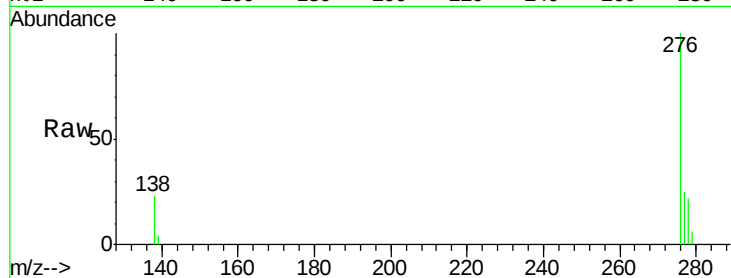
ClientSampleId :

SB-27-(4-6)

Tot Ion:	276	Resp:	447906
Ion Ratio	Lower	Upper	
276	100		
138	21.9	16.1	24.1
277	23.9	18.1	27.1

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#34

Perylene-d12

Concen: 0.400 ng

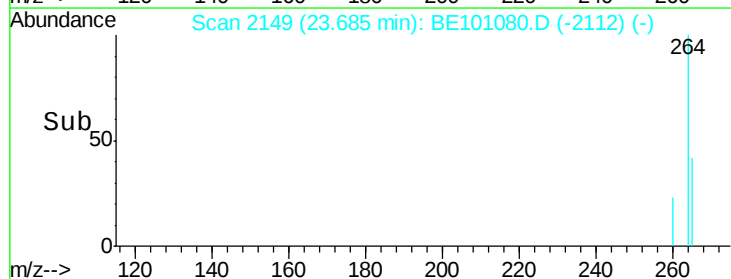
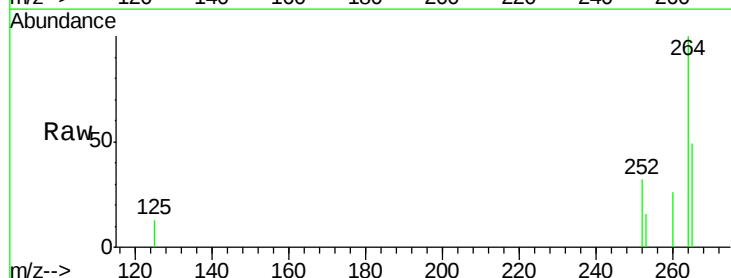
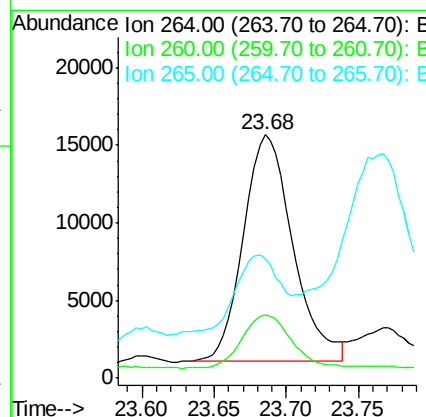
RT: 23.68 min Scan# 2149

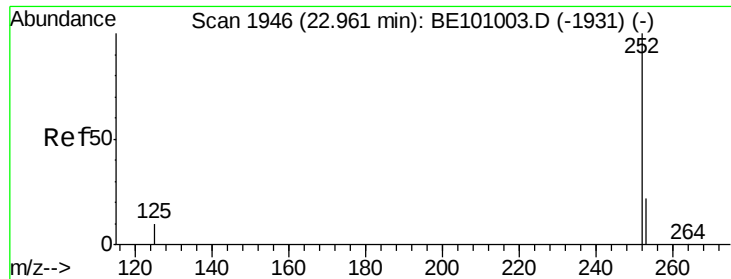
Delta R.T. -0.02 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Tgt Ion:	264	Resp:	34335
Ion Ratio	Lower	Upper	
264	100		
260	26.1	20.3	30.5
265	49.2	27.0	40.4#





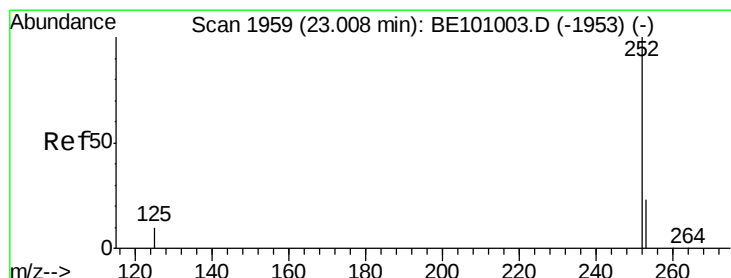
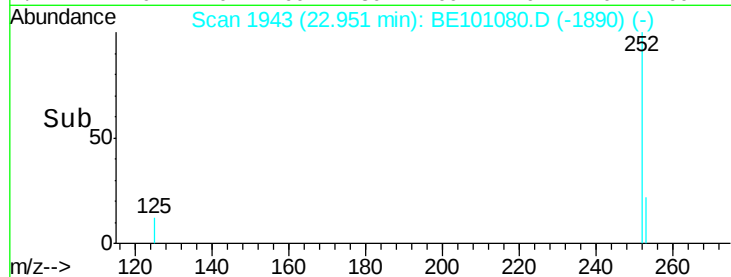
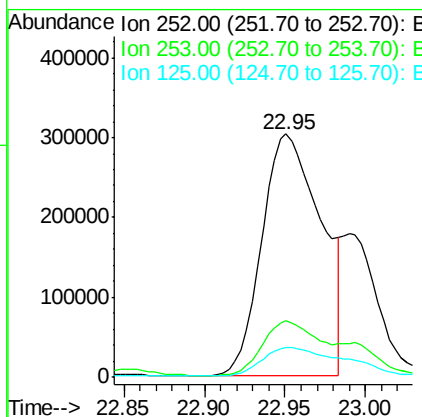
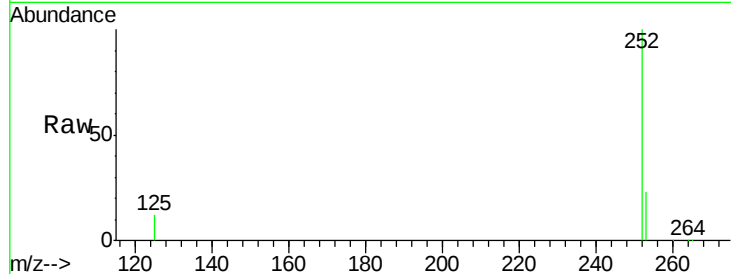
#35
Benzo(b)fluoranthene
Concen: 8.069 ng
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	12.3	9.5	14.3

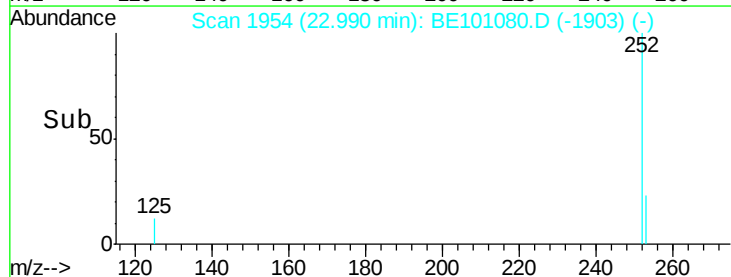
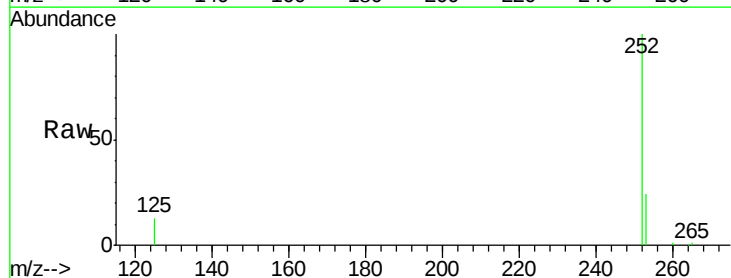
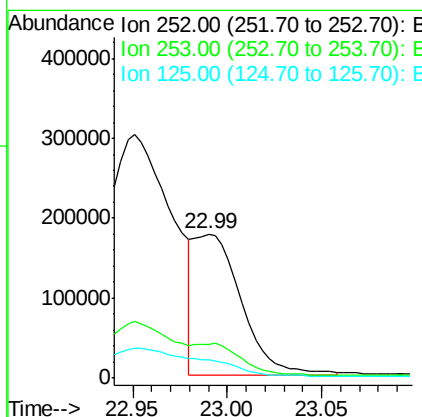
Manual Integrations
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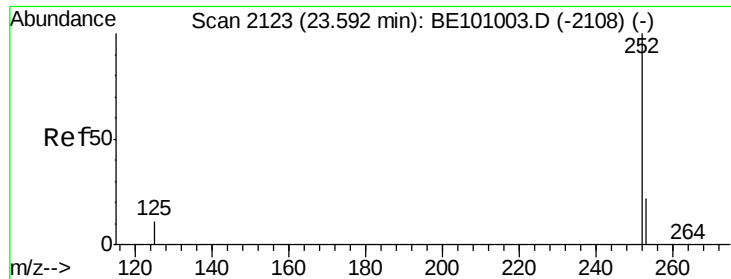
mohammad
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#36
Benzo(k)fluoranthene
Concen: 2.233 ng m
RT: 22.99 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	12.6	10.1	15.1





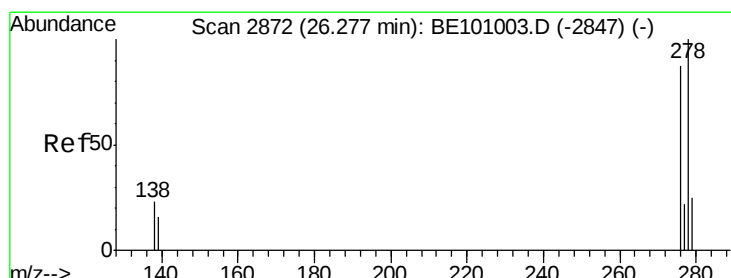
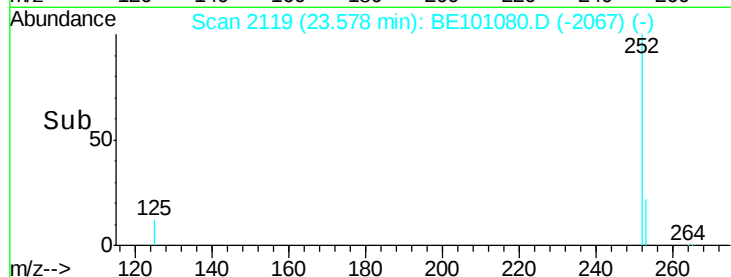
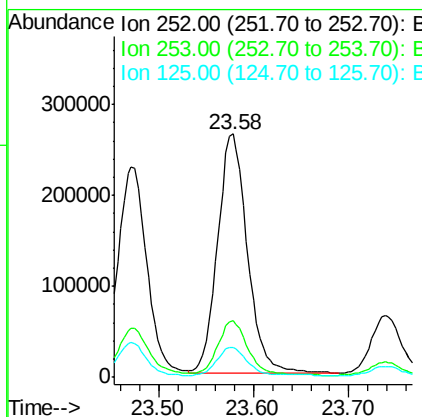
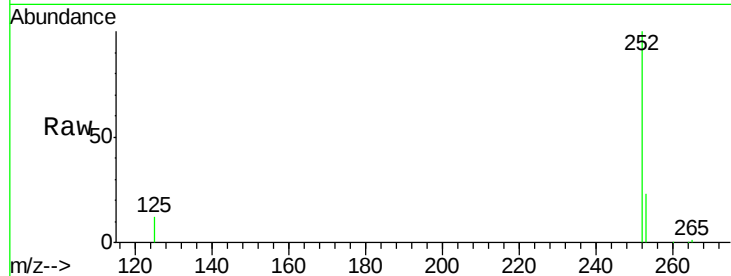
#37
Benzo(a)pyrene
Concen: 6.106 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Instrument :
BNA_E
ClientSampleId :
SB-27-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.4	29.2
125	12.4	11.8	17.6

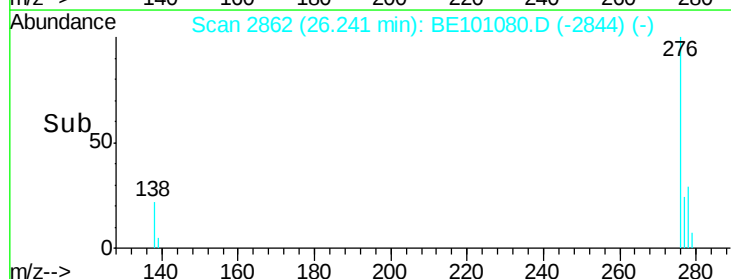
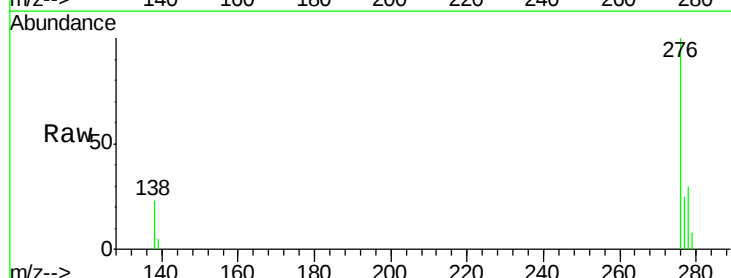
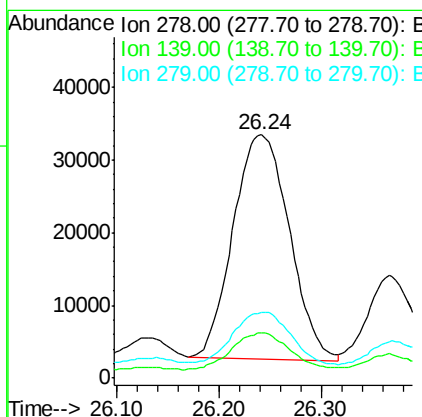
Manual Integrations
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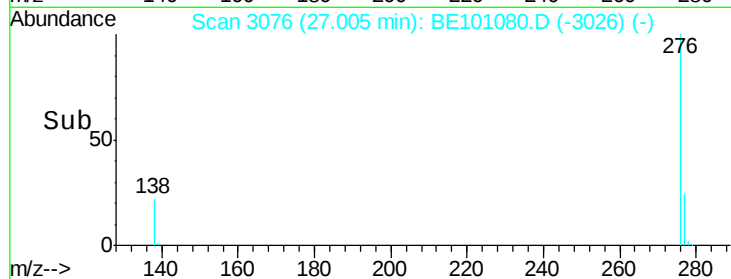
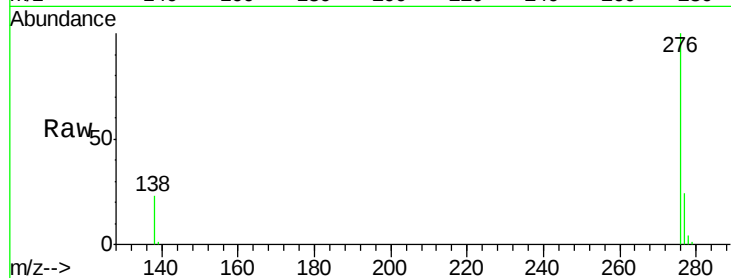
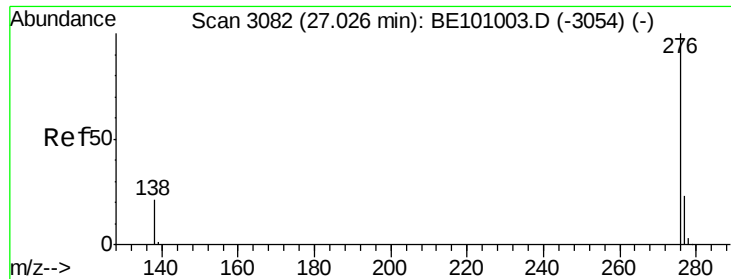
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#38
Dibenzo(a,h)anthracene
Concen: 1.377 ng
RT: 26.24 min Scan# 2862
Delta R.T. -0.04 min
Lab File: BE101080.D
Acq: 16 Jan 2020 17:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	15.0	22.4
279	27.0	22.6	33.8





#39

Benzo(a,h,i)perylene

Concen: 4.834 ng

RT: 27.00 min Scan# 3076

Delta R.T. -0.02 min

Lab File: BE101080.D

Acq: 16 Jan 2020 17:49

Instrument :

BNA_E

ClientSampleId :

SB-27-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	24.4	19.4	29.2	
138	22.8	17.9	26.9	

Manual Integrations
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