

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101078.D
 Acq On : 16 Jan 2020 16:38
 Operator : JU
 Sample : L1148-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-26-(4-6)

Manual Integrations
 APPROVED

mohammad
 1/17/2020 2:10:37 PM

Quant Time: Jan 17 13:05:59 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	3128	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	10013	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	7784	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18487	0.40	ng	0.00
27) Chrysene-d12	21.27	240	20116	0.40	ng	-0.01
34) Perylene-d12	23.69	264	25188	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.33	112	1764	0.25	ng	-0.01
5) Phenol-d6	6.91	99	1721	0.19	ng	-0.01
8) Nitrobenzene-d5	8.89	82	1618	0.23	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	3332	0.17	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	432	0.20	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	5512	0.19	ng	0.00
25) Fluoranthene-d10	19.12	212	58475	0.23	ng	-0.01
29) Terphenyl-d14	19.72	244	11129	0.23	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.55	128	6585	0.059	ng	# 92
16) Acenaphthylene	14.07	152	2338	0.074	ng	99
18) Fluorene	15.41	166	925	0.032	ng	# 90
23) Phenanthrene	17.14	178	9690	0.192	ng	99
24) Anthracene	17.23	178	3579m	0.075	ng	
26) Fluoranthene	19.15	202	24589	0.389	ng	99
28) Pyrene	19.51	202	25020	0.334	ng	99
30) Benzo(a)anthracene	21.26	228	10710m	0.187	ng	
31) Chrysene	21.31	228	18787	0.220	ng	96
32) Bis(2-ethylhexyl)phthalate	21.20	149	9912	0.104	ng	98
33) Indeno(1,2,3-cd)pyrene	26.22	276	10441	0.155	ng	95
35) Benzo(b)fluoranthene	22.95	252	18721m	0.265	ng	
36) Benzo(k)fluoranthene	22.98	252	12580m	0.123	ng	
37) Benzo(a)pyrene	23.58	252	11621	0.170	ng	# 95
38) Dibenzo(a,h)anthracene	26.24	278	2159	0.034	ng	# 75
39) Benzo(g,h,i)perylene	27.01	276	11697	0.151	ng	97

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

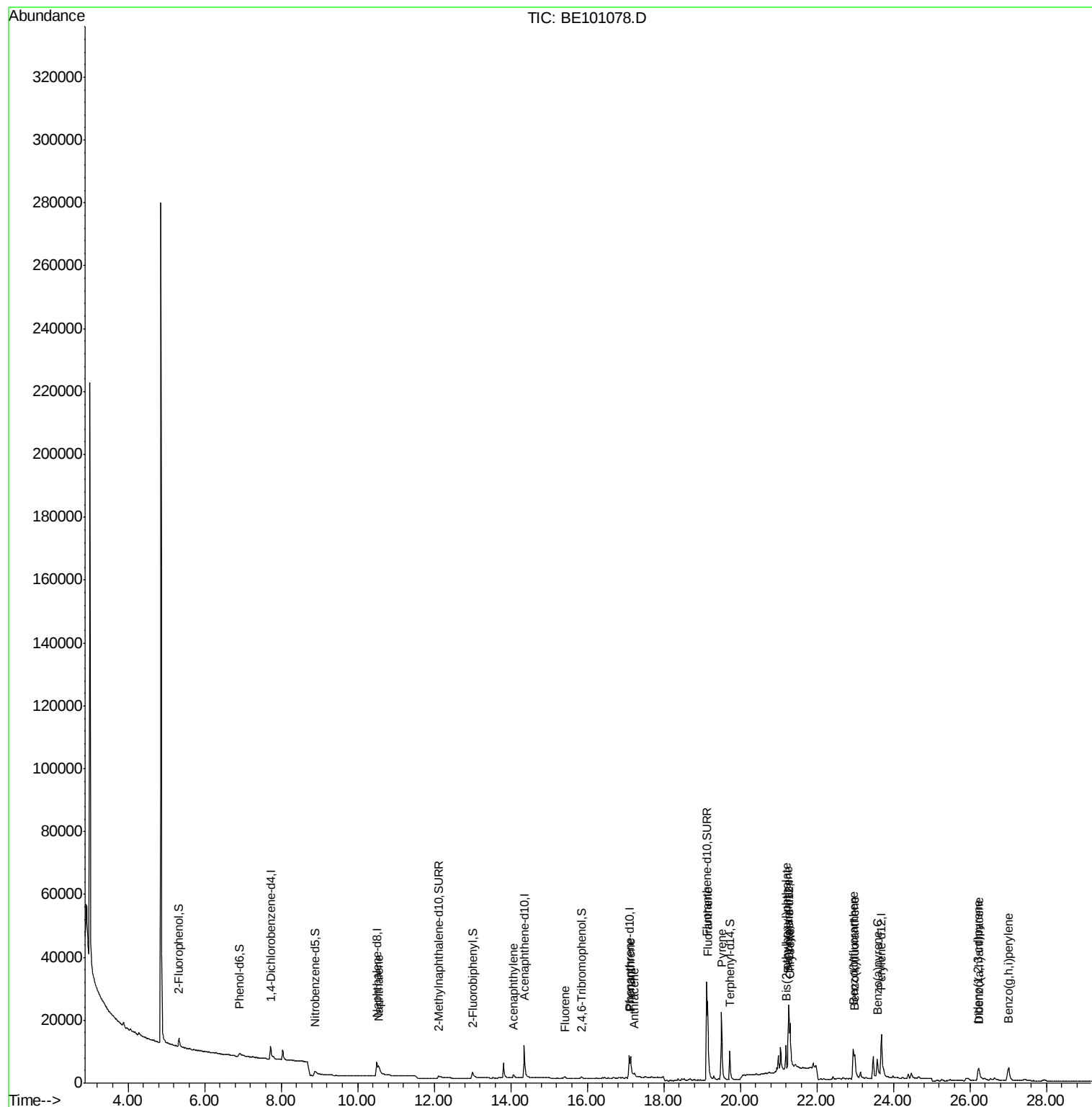
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

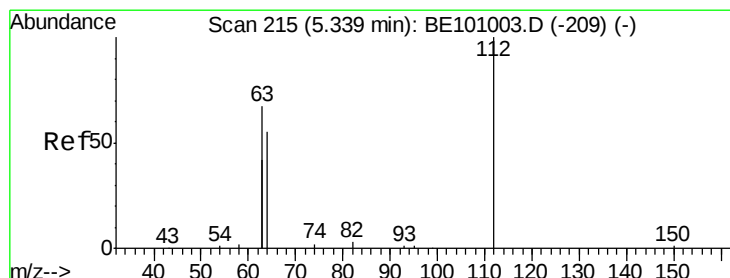
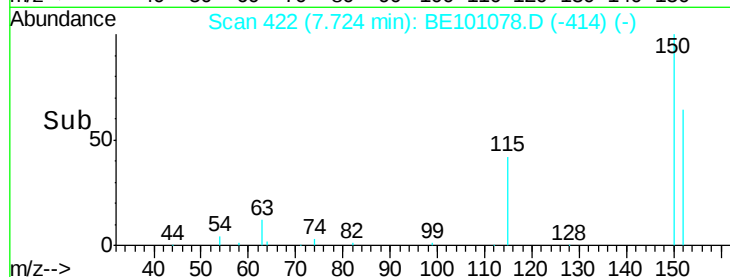
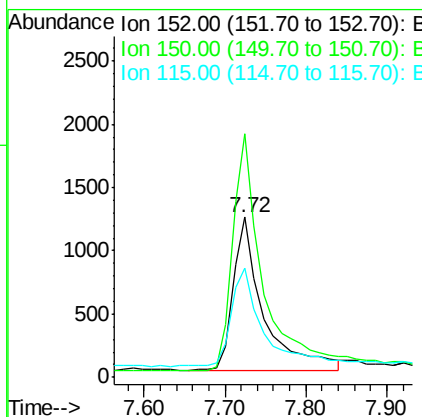
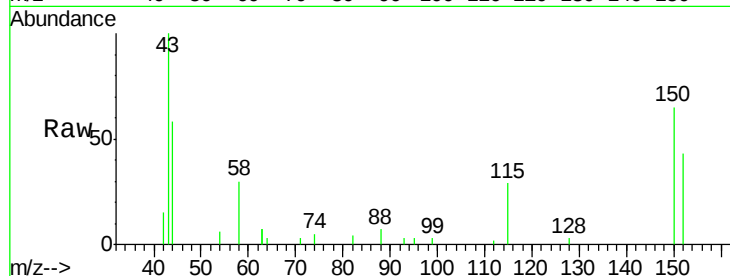
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	120.3	180.5
115	68.4	51.7	77.5

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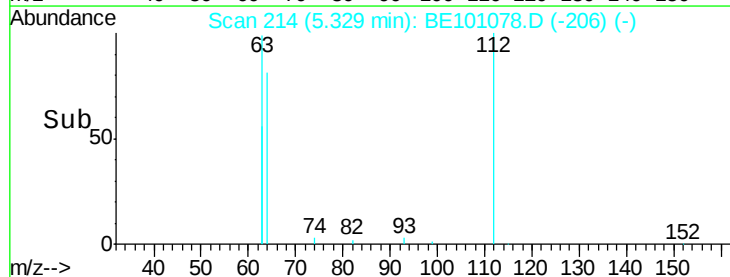
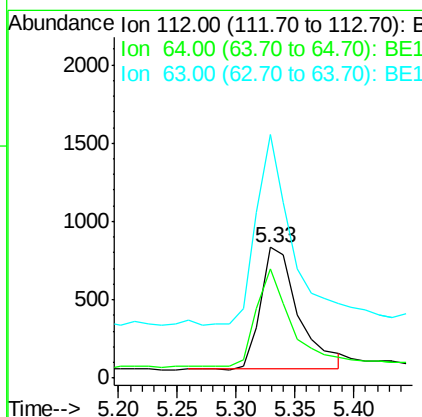
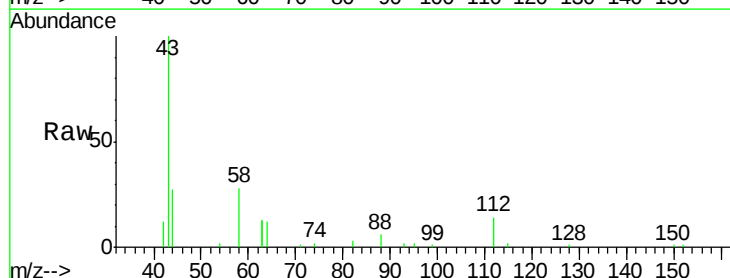
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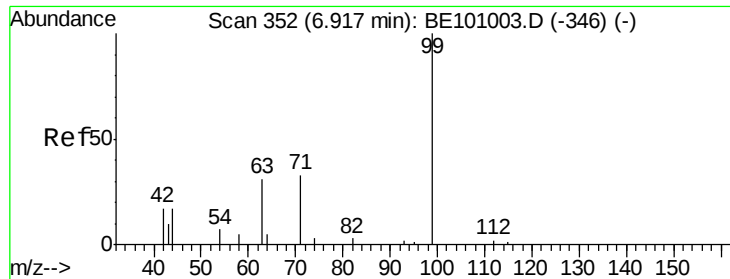


#4

2-Fluorophenol
Concen: 0.251 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.9	53.6	80.4
63	146.9	114.6	172.0





#5

Phenol-d6

Concen: 0.193 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Instrument :

BNA_E

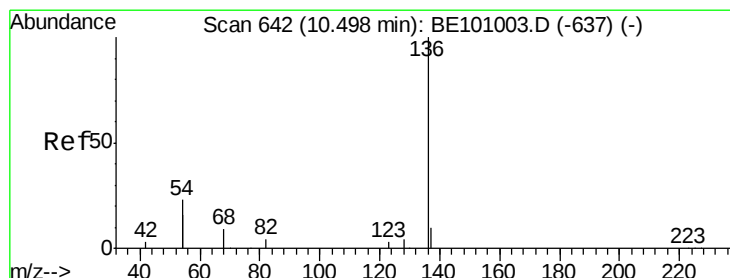
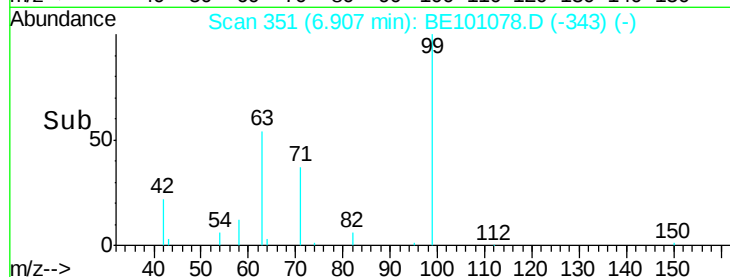
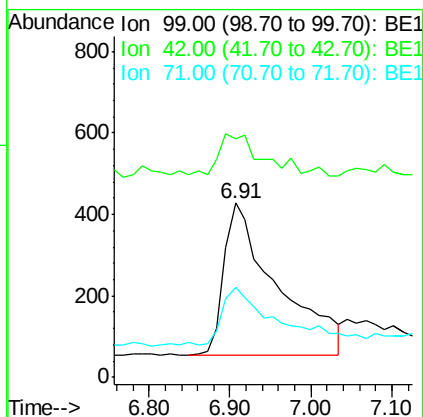
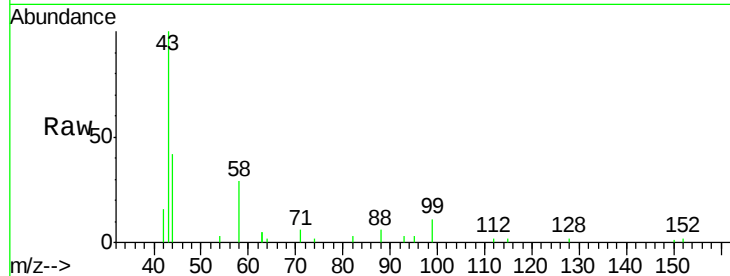
ClientSampleId :

SB-26-(4-6)

Tot Ion:	99	Resp:	1721
Ion	Ratio	Lower	Upper
99	100		
42	24.2	18.3	27.5
71	36.6	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

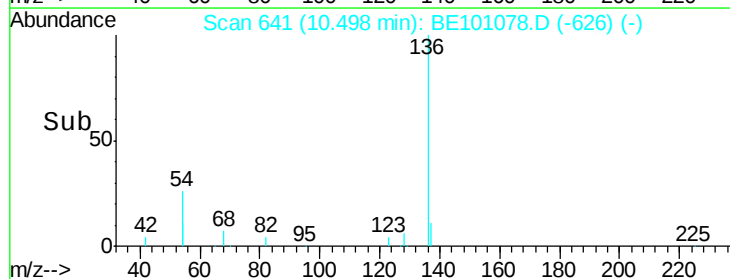
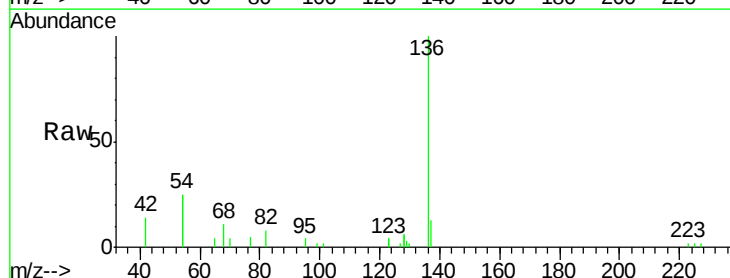
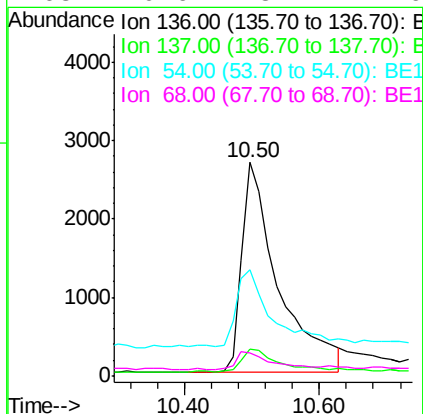
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Tgt Ion:	136	Resp:	10013
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.3	13.9
54	50.0	36.8	55.2
68	10.6	8.4	12.6





#8

Nitrobenzene-d5

Concen: 0.226 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Instrument :

BNA_E

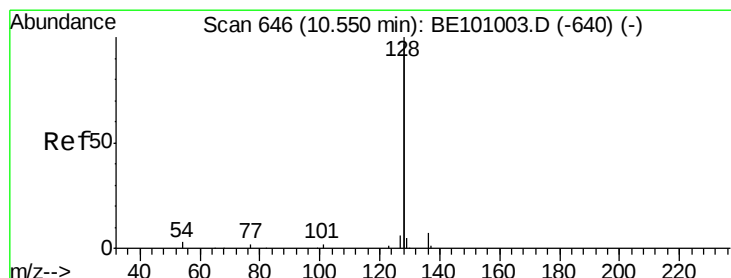
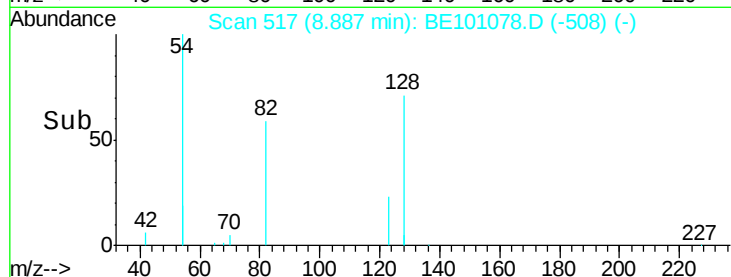
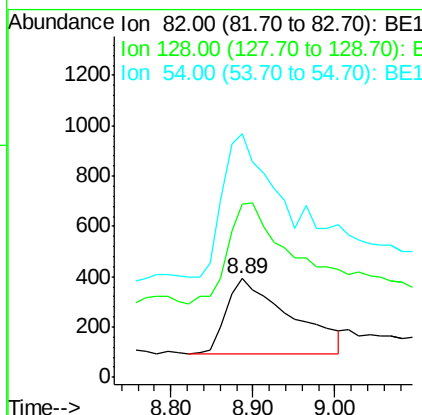
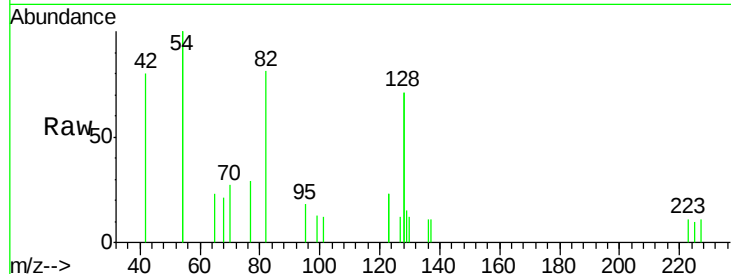
ClientSampleId :

SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	176.0	109.8	164.6#
54	247.6	174.5	261.7

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#9

Naphthalene

Concen: 0.059 ng

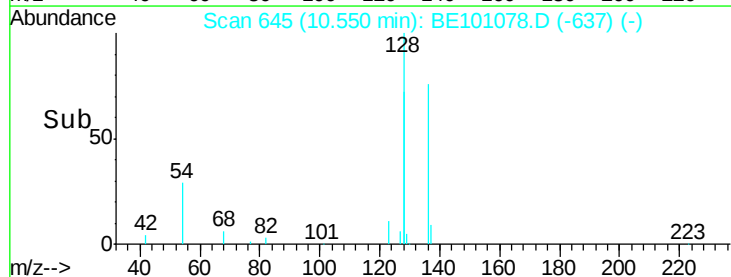
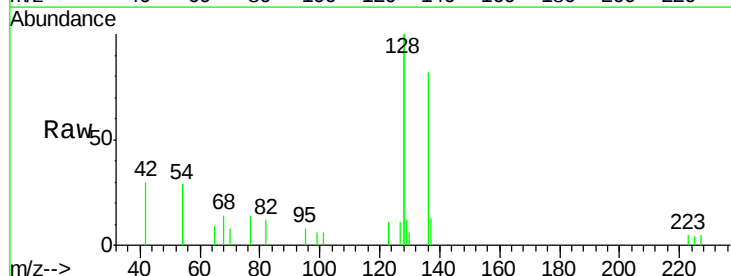
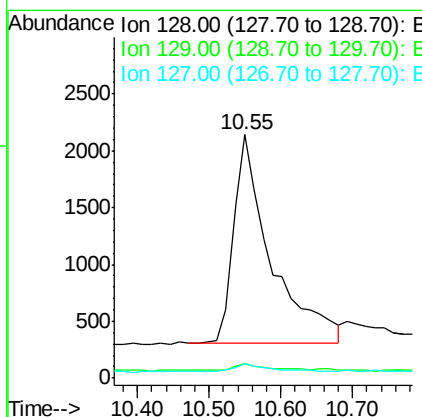
RT: 10.55 min Scan# 645

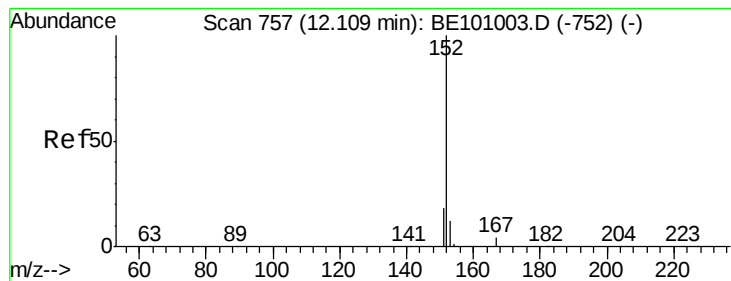
Delta R.T. -0.00 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	5.9	2.3	3.5#
127	5.7	2.7	4.1#





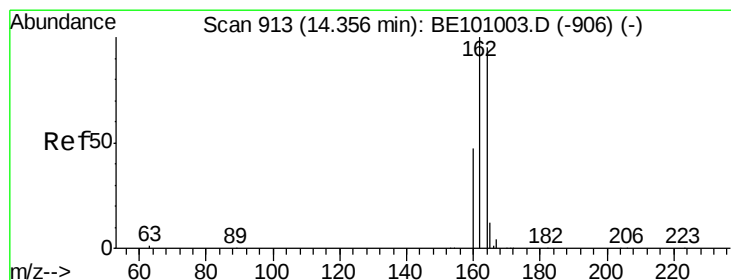
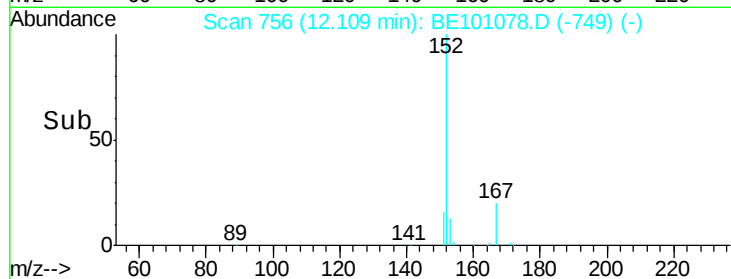
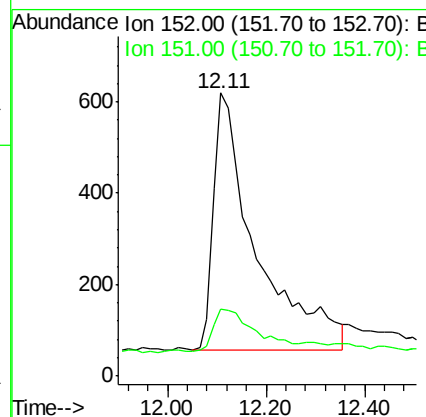
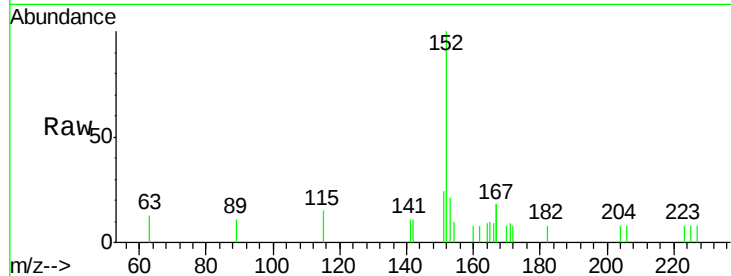
#11
2-Methylnaphthalene-d10
Concen: 0.174 ng
RT: 12.11 min Scan# 756
Delta R.T. 0.00 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.2	15.0	22.6

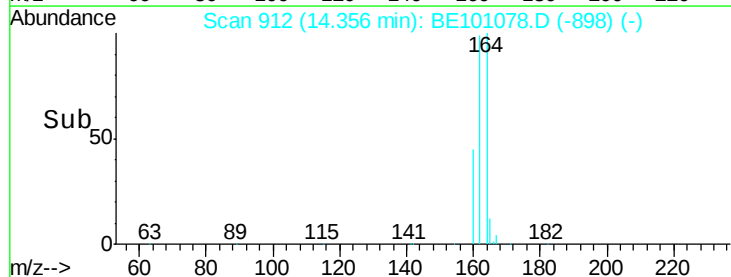
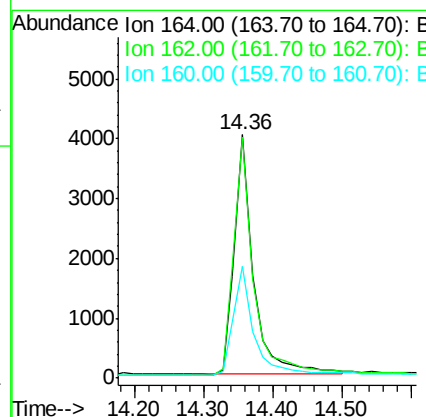
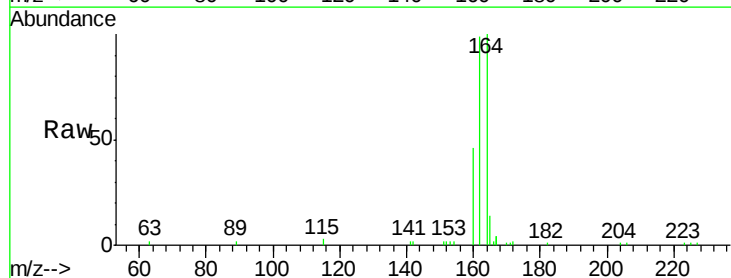
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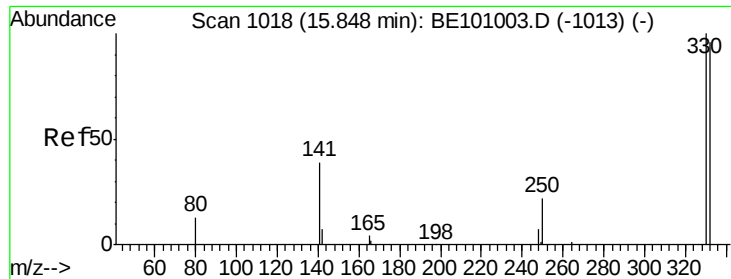
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	84.1	126.1
160	45.7	40.4	60.6





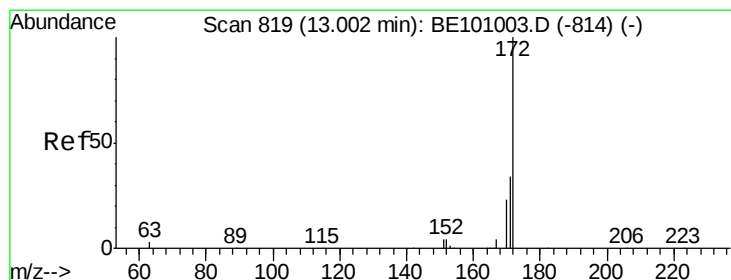
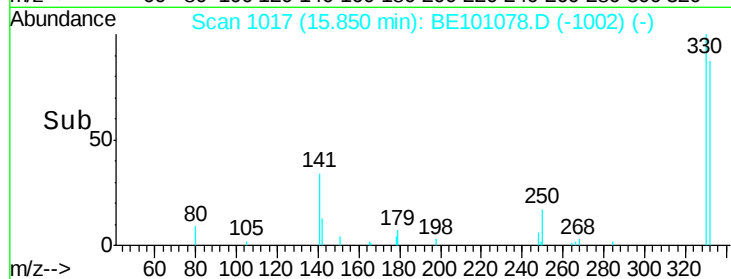
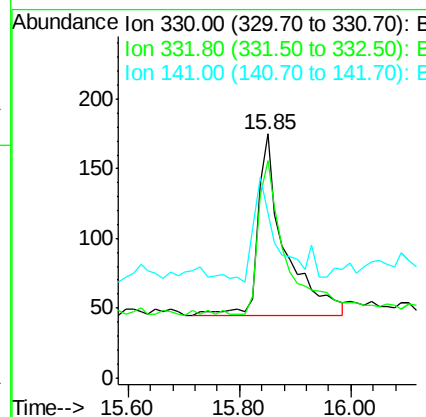
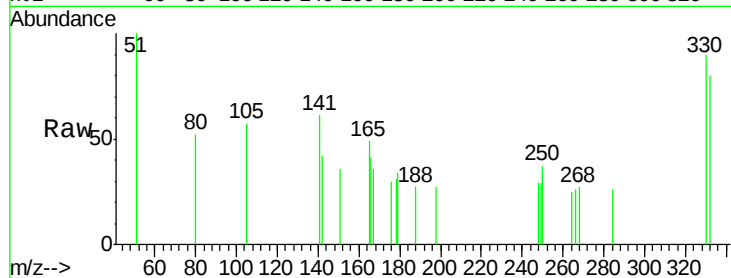
#14
 2,4,6-Tribromophenol
 Concen: 0.197 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
330	100		
332	87.3	78.4	117.6
141	48.6	37.0	55.4

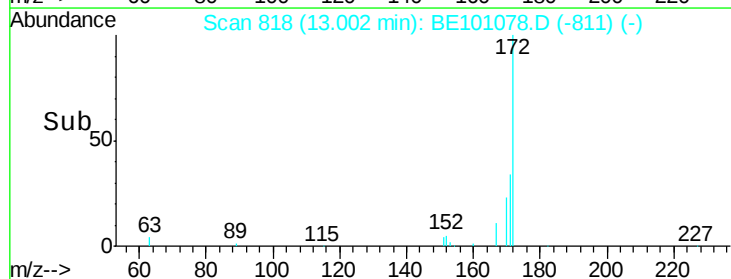
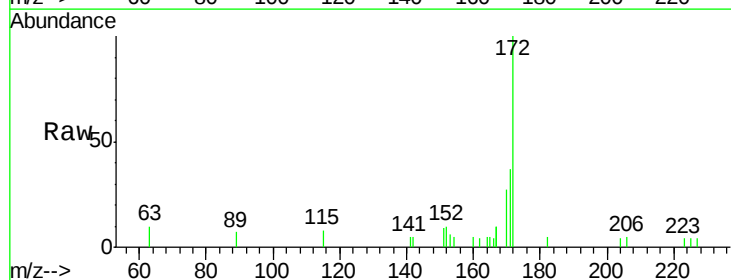
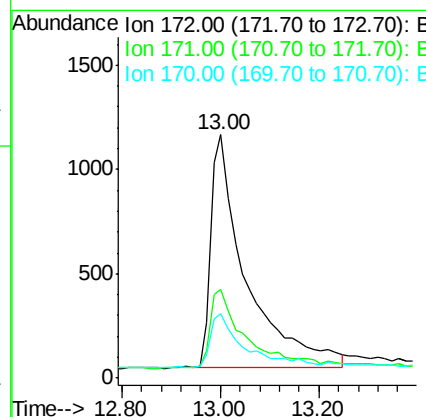
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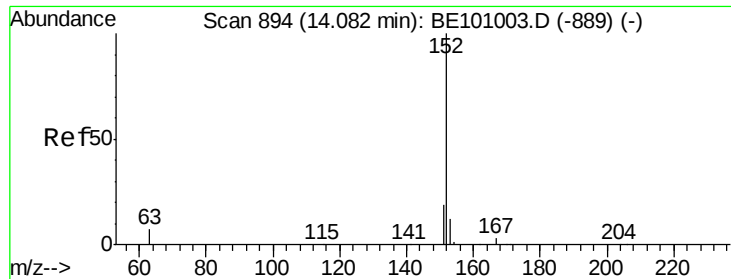
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#15
 2-Fluorobiphenyl
 Concen: 0.186 ng
 RT: 13.00 min Scan# 818
 Delta R.T. 0.00 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.2	42.2
170	26.6	18.9	28.3





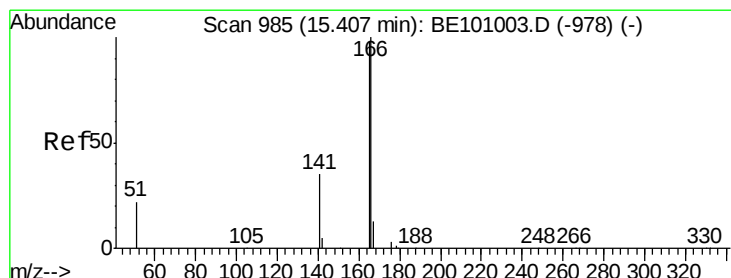
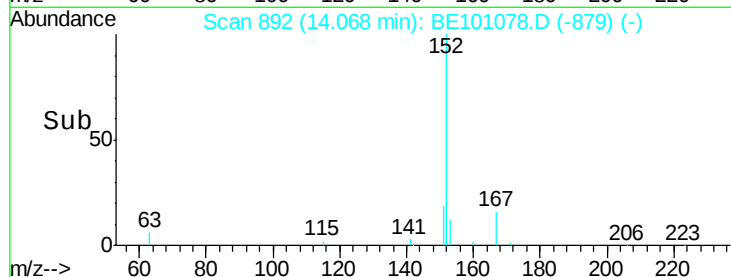
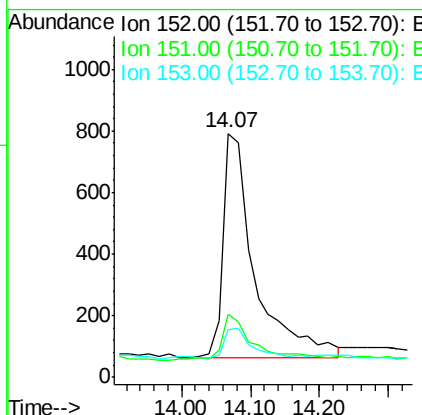
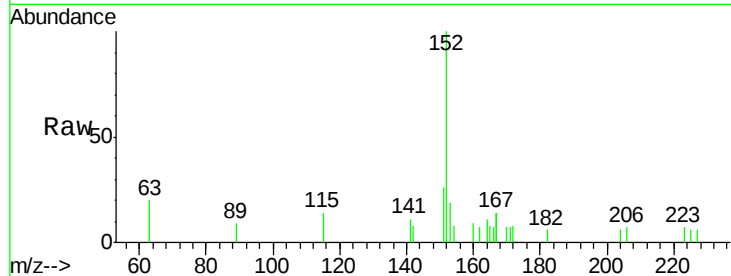
#16
Acenaphthylene
Concen: 0.074 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion:	152	Resp:	2338
Ion Ratio	Lower	Upper	
152	100		
151	19.7	15.5	23.3
153	12.0	10.4	15.6

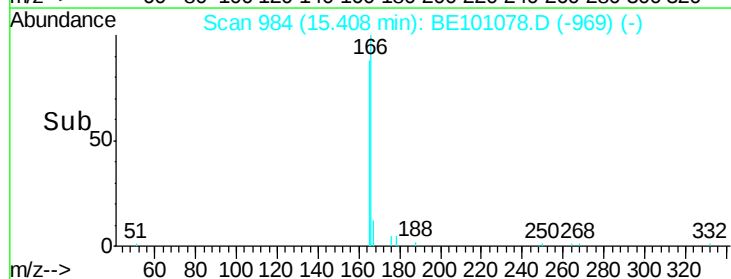
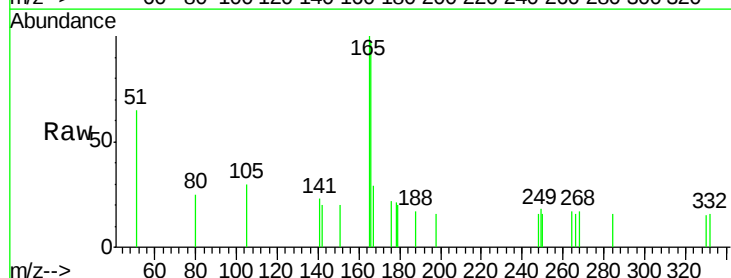
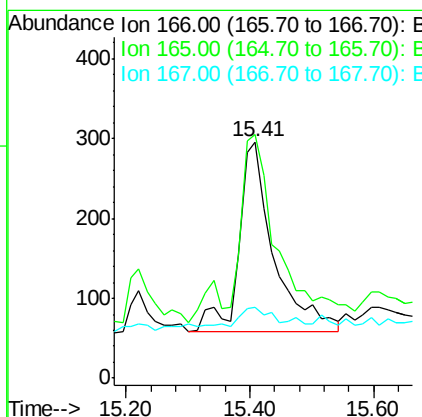
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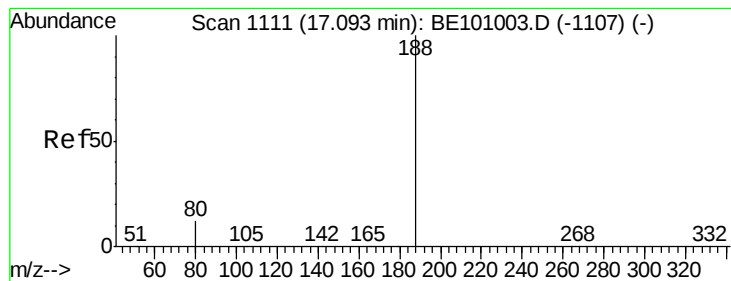
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#18
Fluorene
Concen: 0.032 ng
RT: 15.41 min Scan# 984
Delta R.T. 0.00 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion:	166	Resp:	925
Ion Ratio	Lower	Upper	
166	100		
165	89.7	79.8	119.8
167	10.8	11.0	16.6#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Instrument :

BNA_E

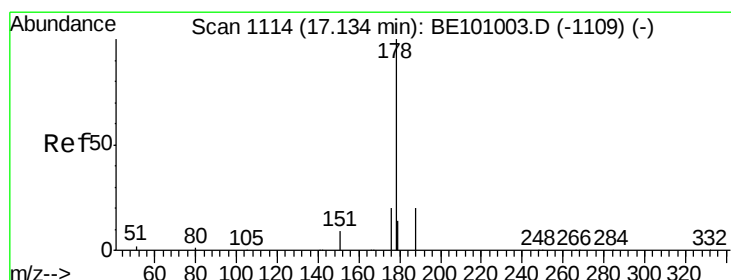
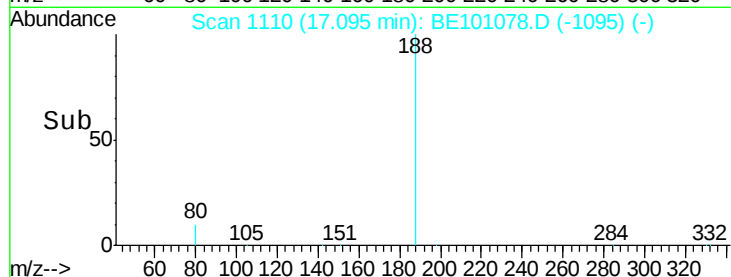
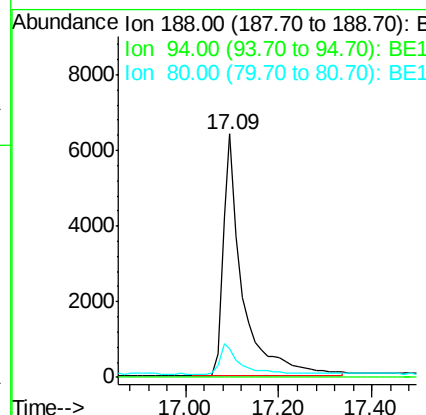
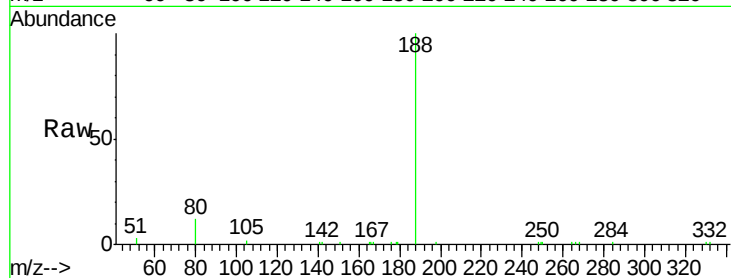
ClientSampleId :

SB-26-(4-6)

Tot Ion:	188	Resp:	18487
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.7	10.8	16.2

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#23

Phenanthrene

Concen: 0.192 ng

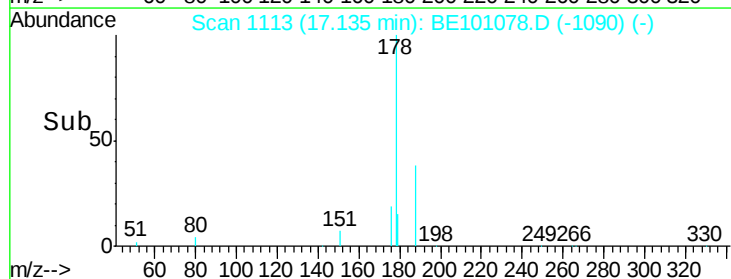
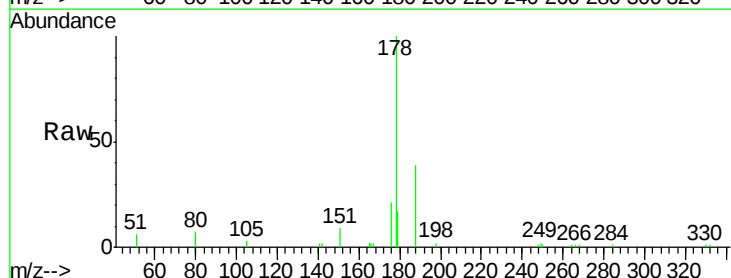
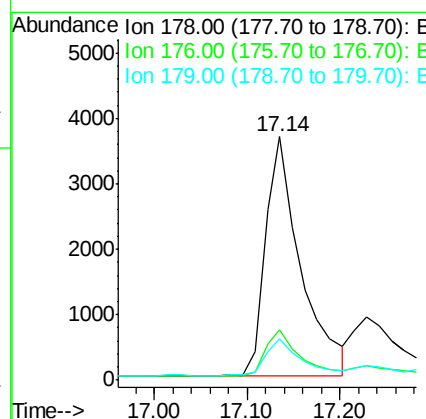
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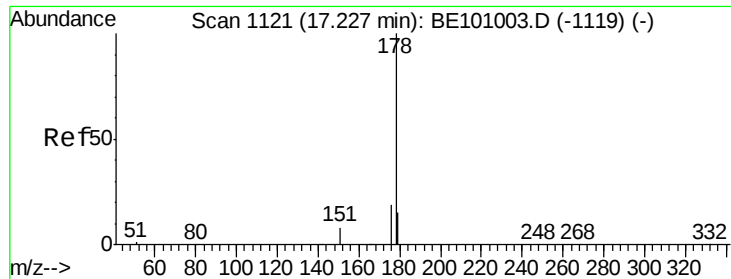
Delta R.T. 0.00 min

Lab File: BE101078.D

Acq: 16 Jan 2020 16:38

Tgt Ion:	178	Resp:	9690
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.7	23.5
179	15.5	12.0	18.0





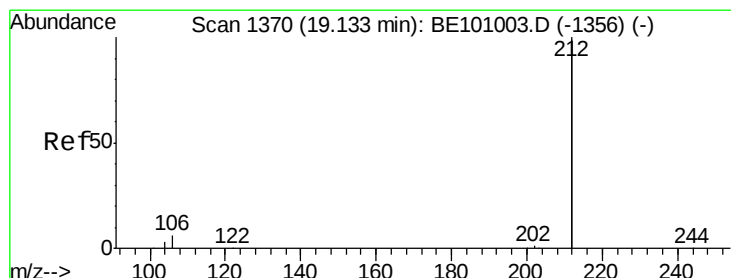
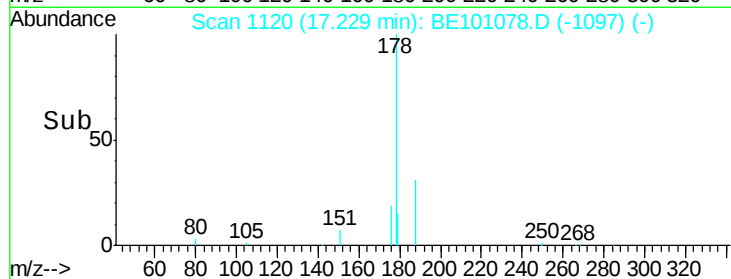
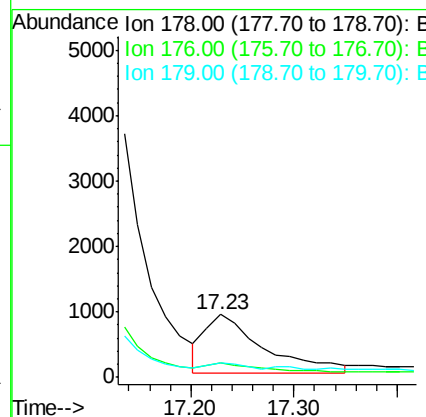
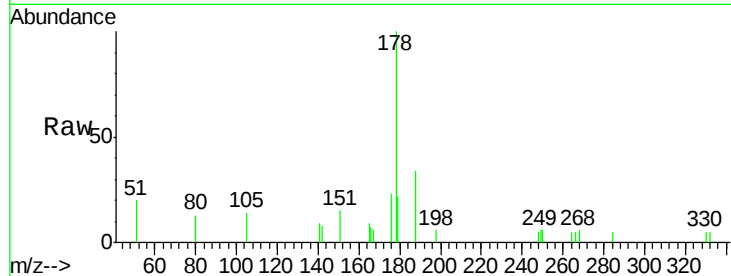
#24
 Anthracene
 Concen: 0.075 ng/ml
 RT: 17.23 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	52.3	14.8	22.2#
179	42.0	12.4	18.6#

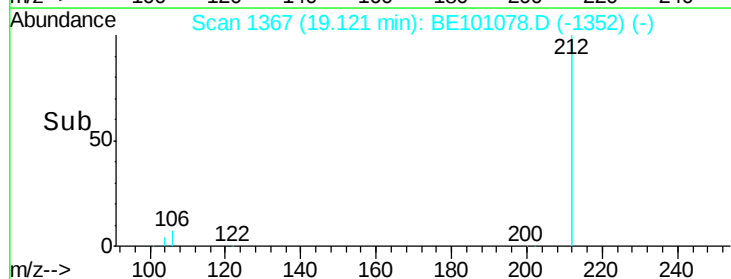
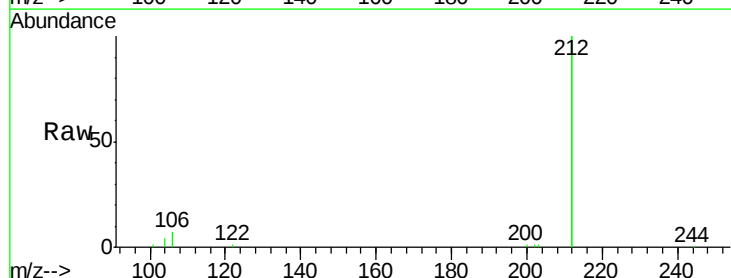
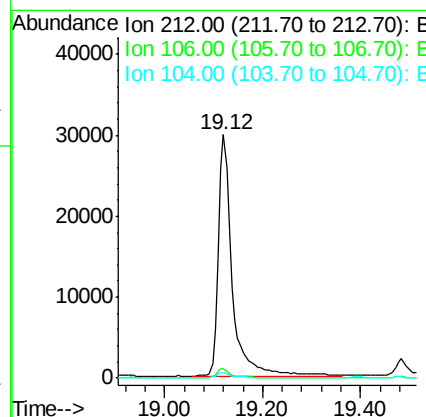
Manual Integrations
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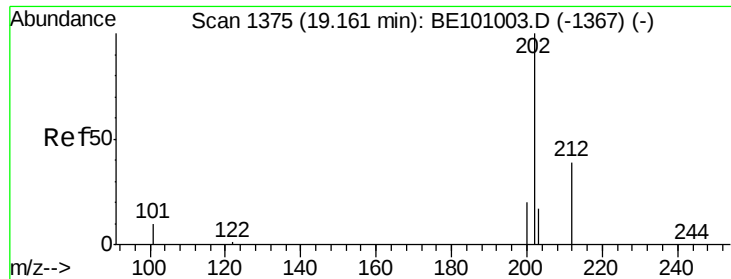
mohammad
 1/17/2020 2:10:37 PM



#25
 Fluoranthene-d10
 Concen: 0.228 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.5	2.6	3.8
104	2.0	1.4	2.0





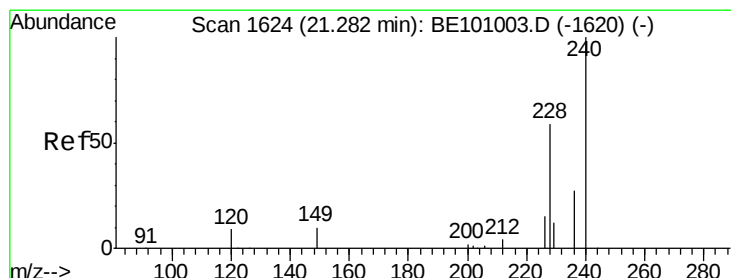
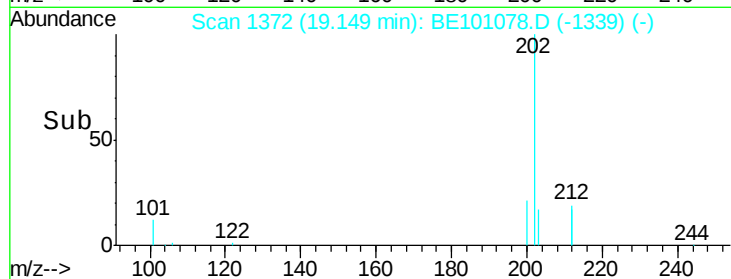
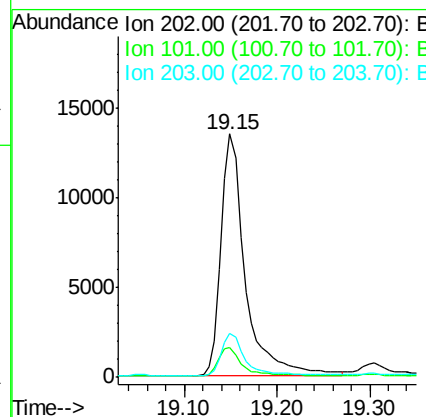
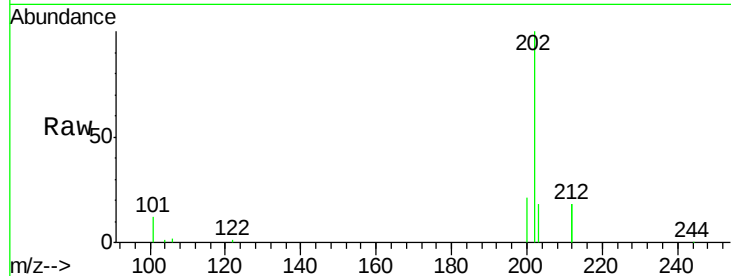
#26
Fluoranthene
Concen: 0.389 ng
RT: 19.15 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.6	14.4
203	17.6	13.8	20.6

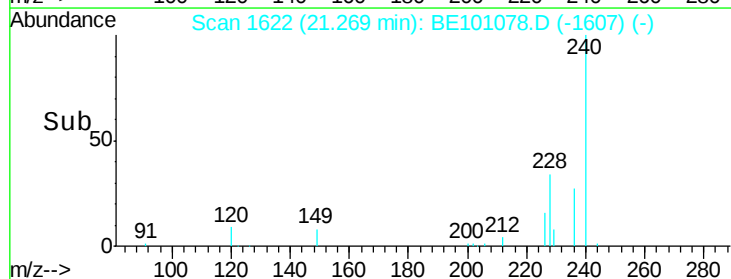
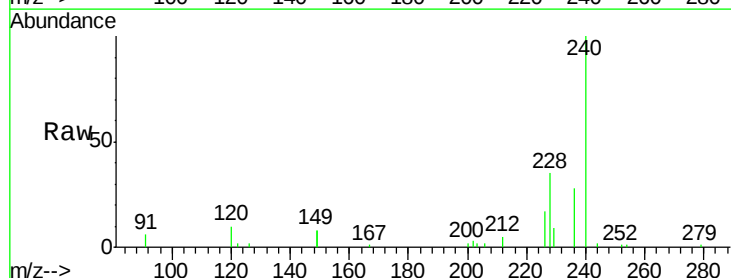
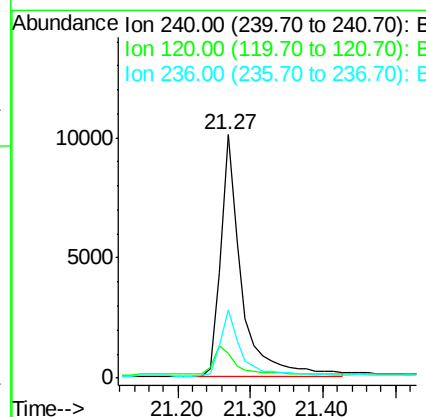
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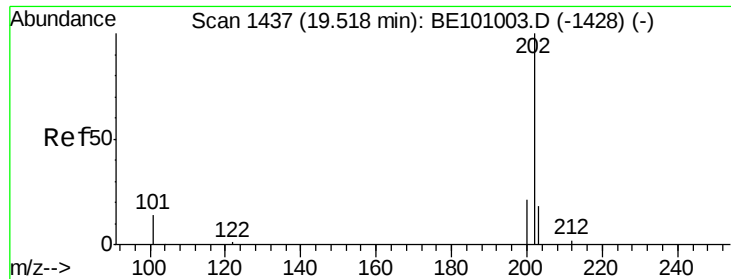
mohammad
1/17/2020 2:10:37 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.1	8.6	13.0
236	27.9	22.2	33.4





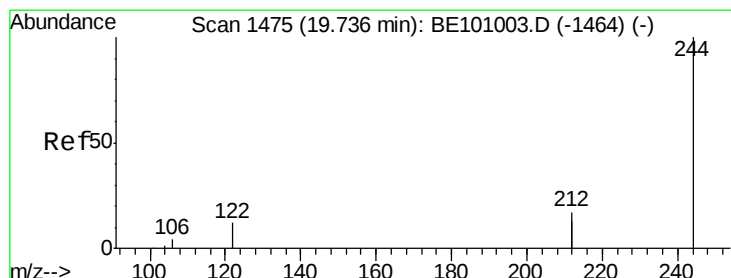
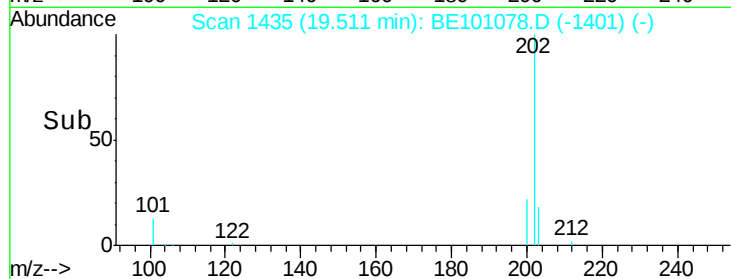
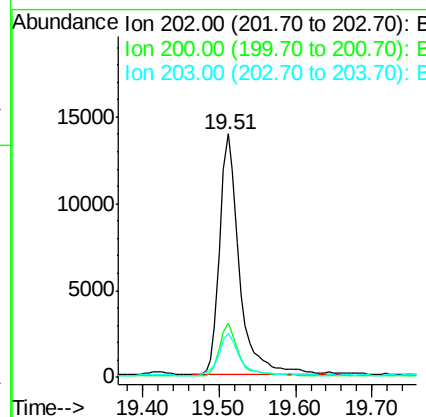
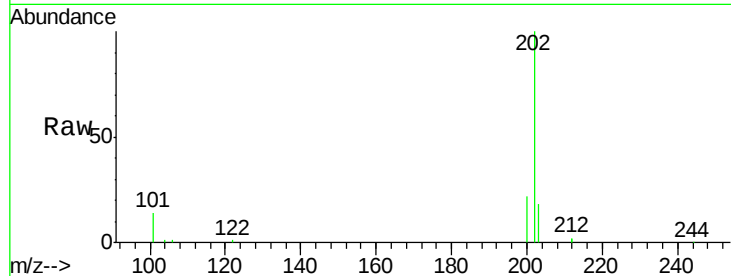
#28
Pvrene
Concen: 0.334 ng
RT: 19.51 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	18.4	13.8	20.6

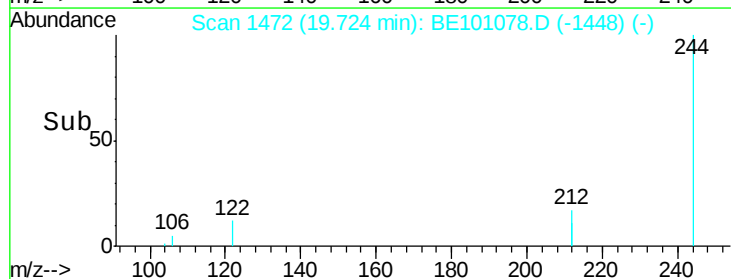
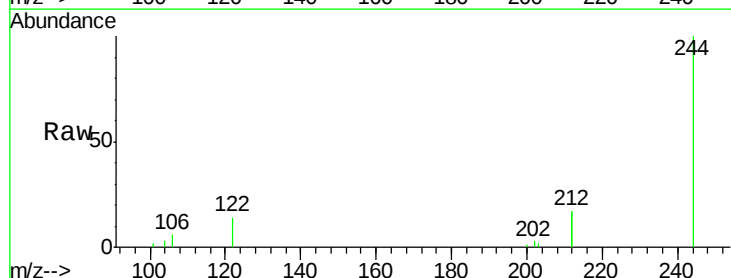
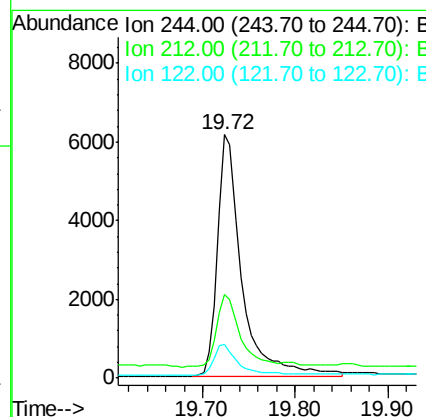
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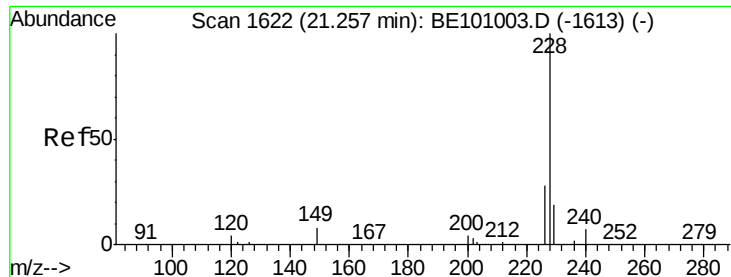
mohammad
1/17/2020 2:10:37 PM



#29
Terphenyl-d14
Concen: 0.225 ng
RT: 19.72 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	34.3	27.2	40.8
122	13.8	9.8	14.8





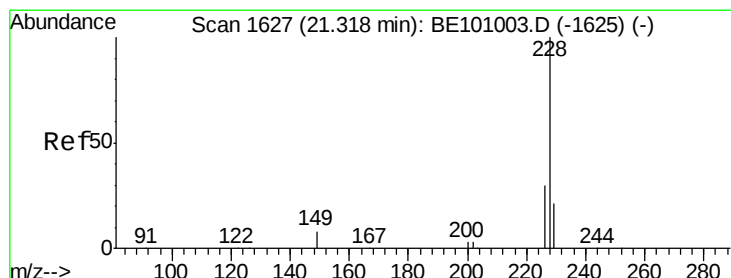
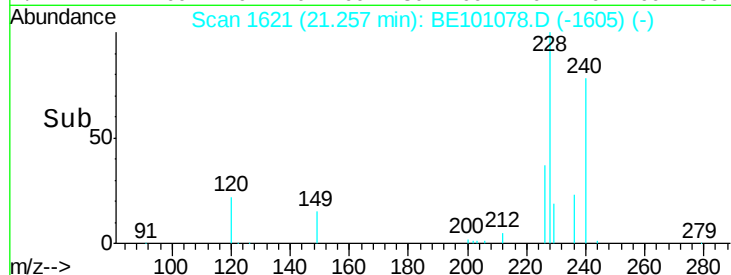
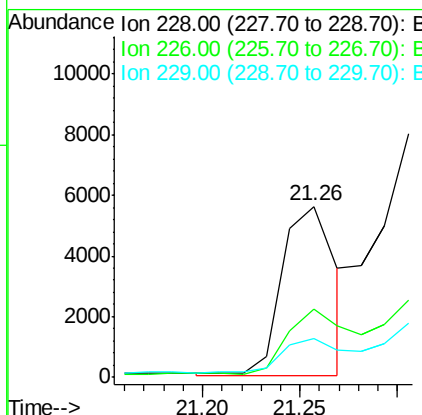
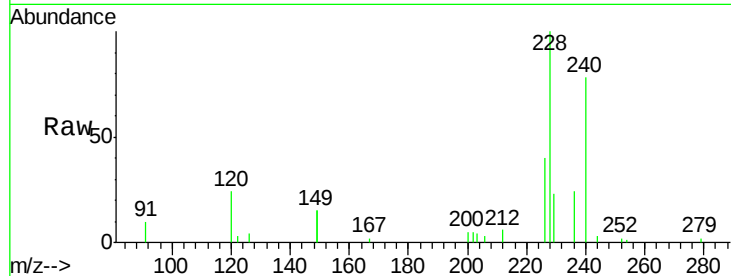
#30
Benzo(a)anthracene
Concen: 0.187 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampled :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.7	22.7	34.1#
229	22.7	15.5	23.3

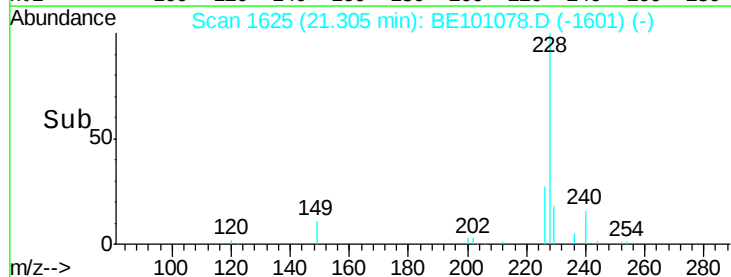
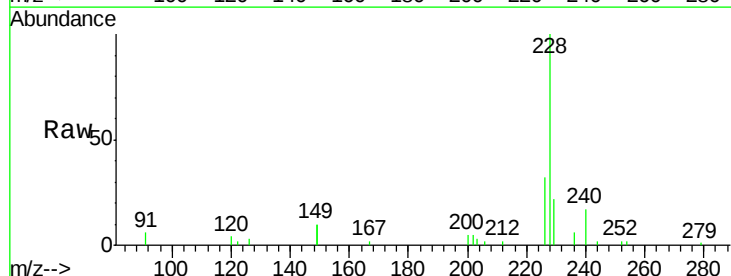
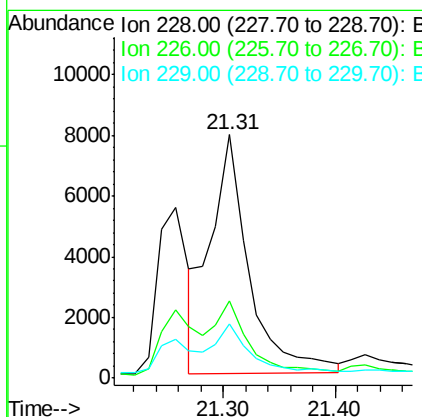
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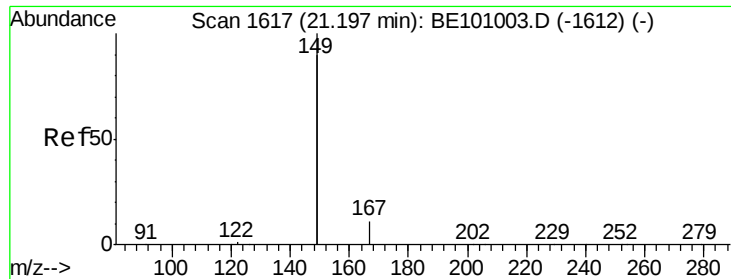
mohammad
1/17/2020 2:10:37 PM



#31
Chrysene
Concen: 0.220 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.5	35.3
229	22.3	16.7	25.1





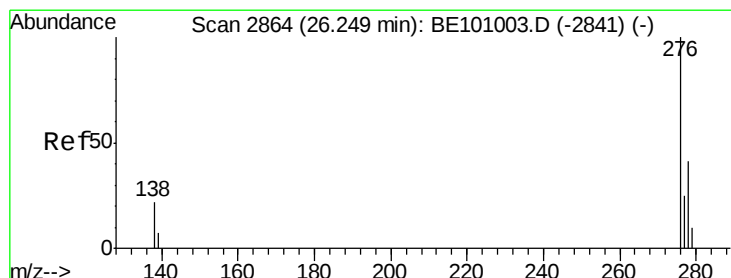
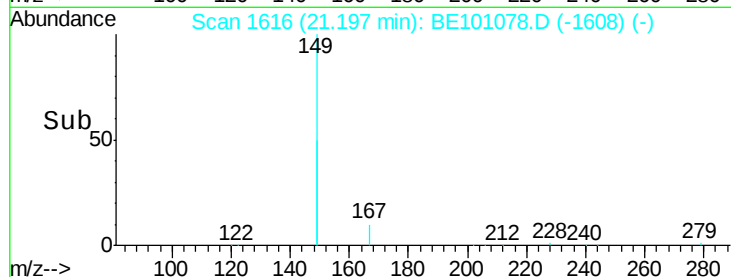
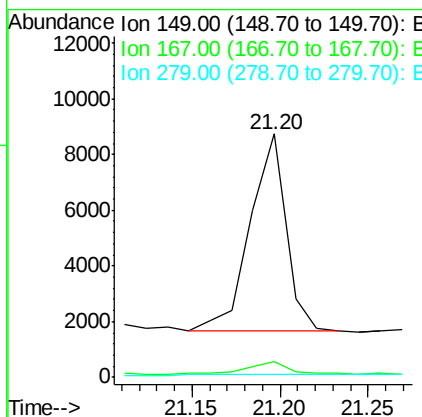
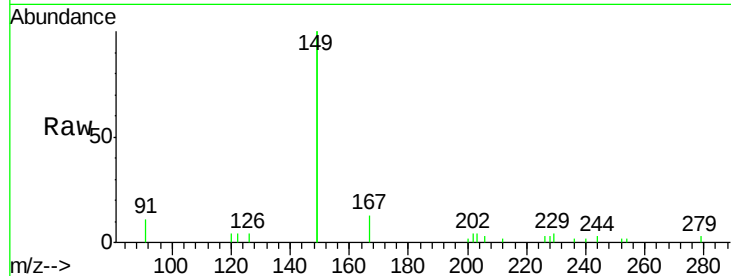
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.104 ng
 RT: 21.20 min Scan# 1616
 Delta R.T. -0.00 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-26-(4-6)

Tot Ion:	149	Resp:	9912
Ion Ratio	Lower	Upper	
149	100		
167	7.1	5.2	7.8
279	1.0	0.8	1.2

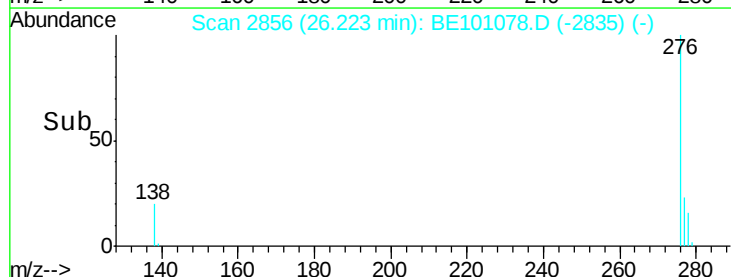
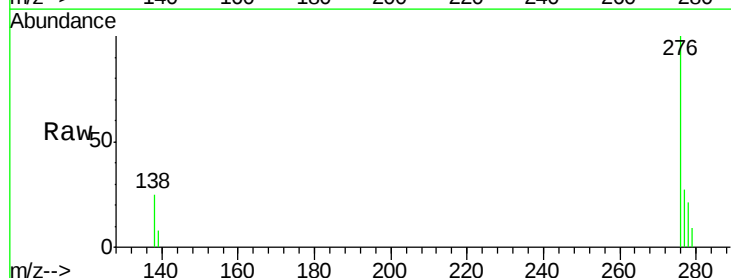
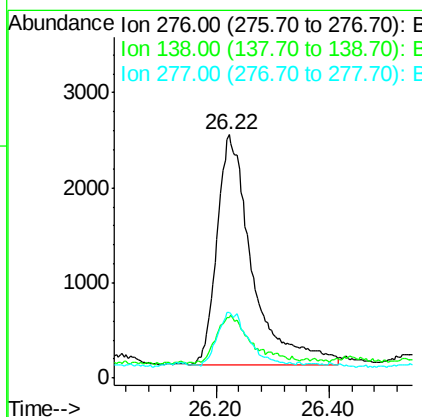
Manual Integrations
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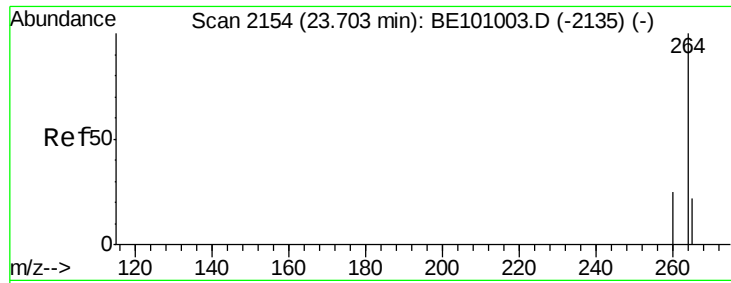
mohammad
 1/17/2020 2:10:37 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.155 ng
 RT: 26.22 min Scan# 2856
 Delta R.T. -0.03 min
 Lab File: BE101078.D
 Acq: 16 Jan 2020 16:38

Tgt Ion:	276	Resp:	10441
Ion Ratio	Lower	Upper	
276	100		
138	18.3	16.1	24.1
277	20.0	18.1	27.1





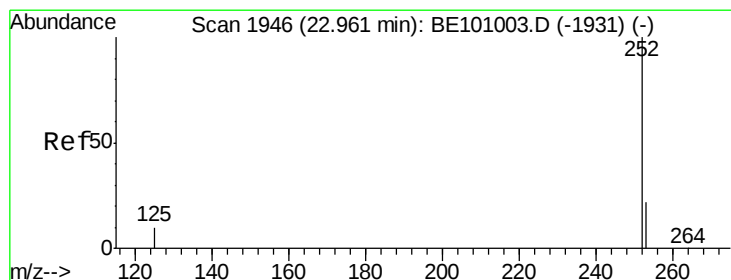
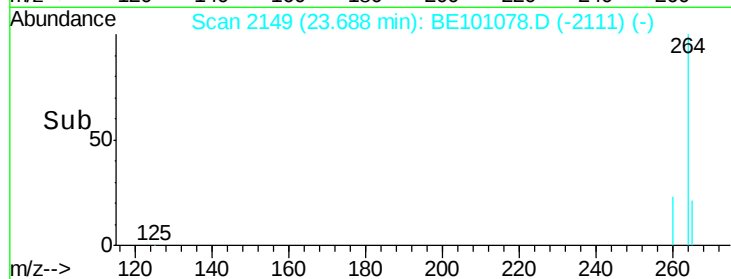
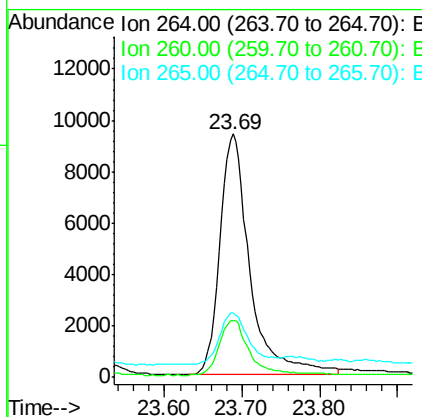
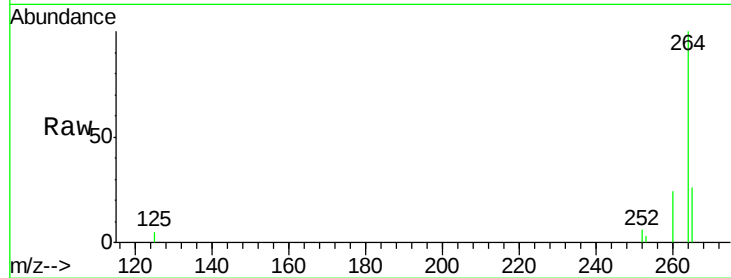
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2149
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	26.2	27.0	40.4

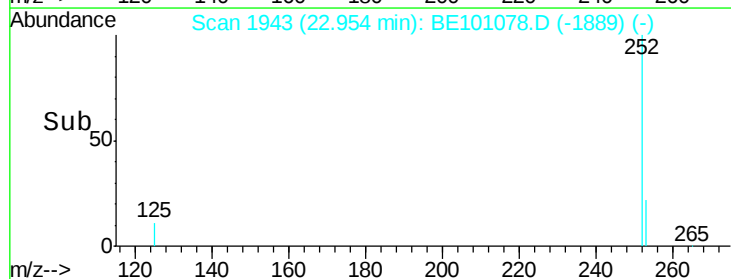
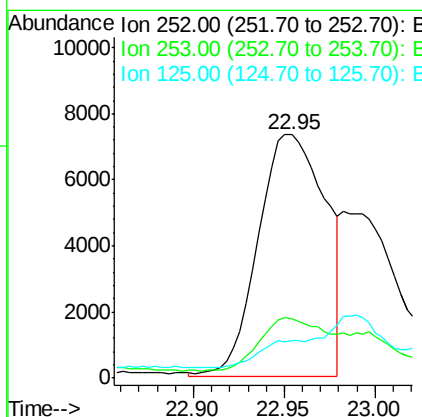
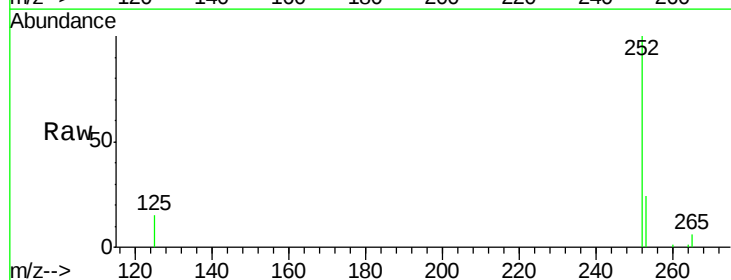
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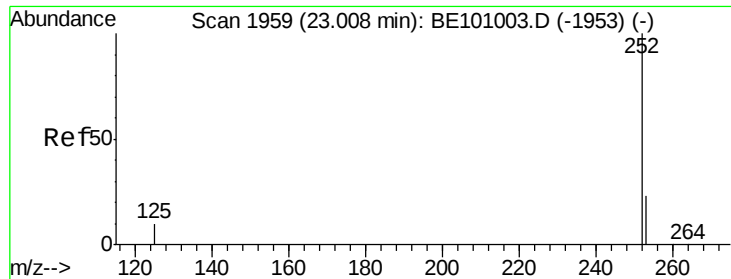
mohammad
1/17/2020 2:10:37 PM



#35
Benzo(b)fluoranthene
Concen: 0.265 ng m
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	15.2	9.5	14.3





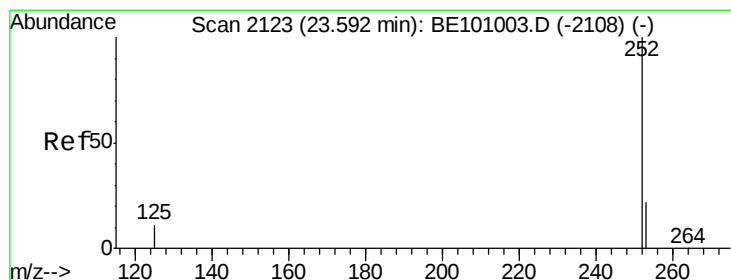
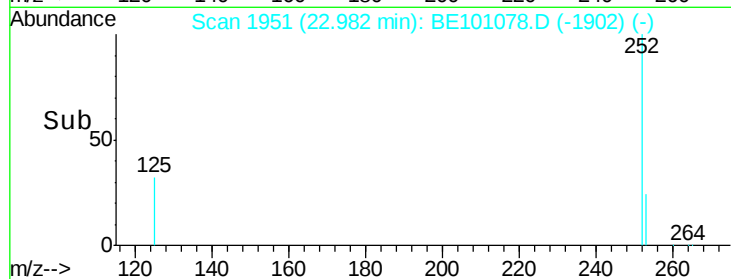
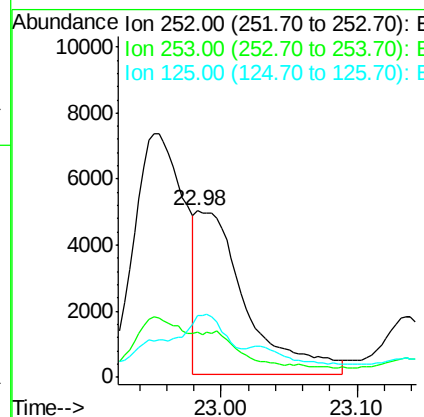
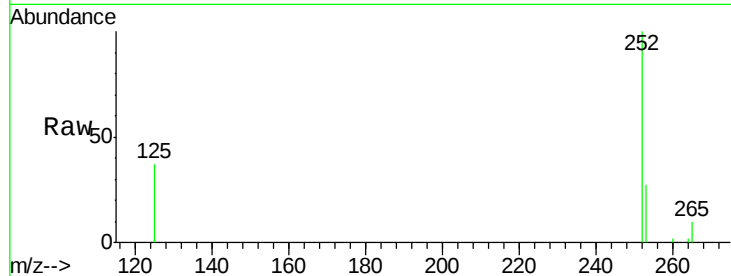
#36
Benzo(k)fluoranthene
Concen: 0.123 ng m
RT: 22.98 min Scan# 1951
Delta R.T. -0.03 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.9	28.3
125	37.3	10.1	15.1

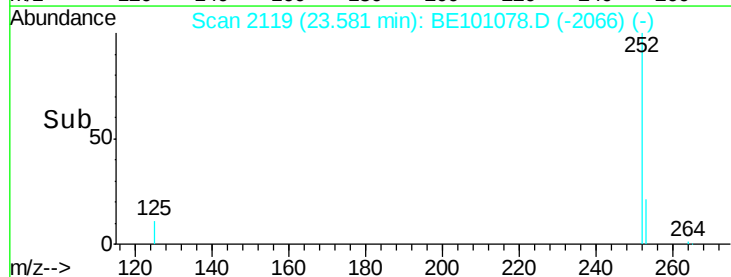
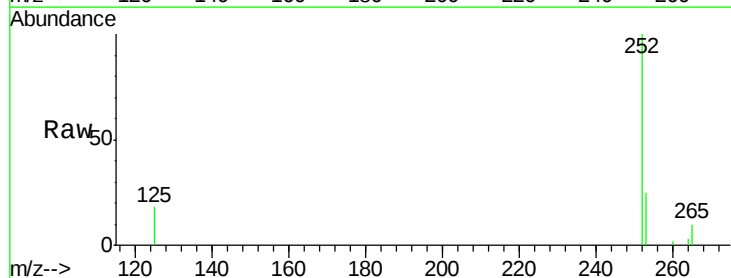
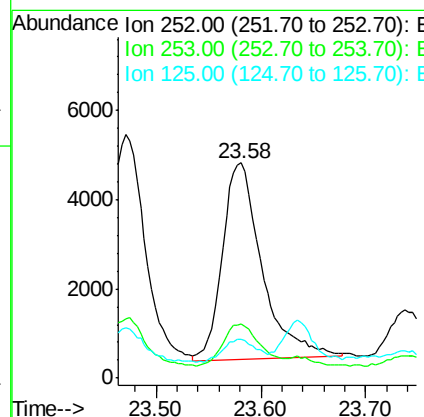
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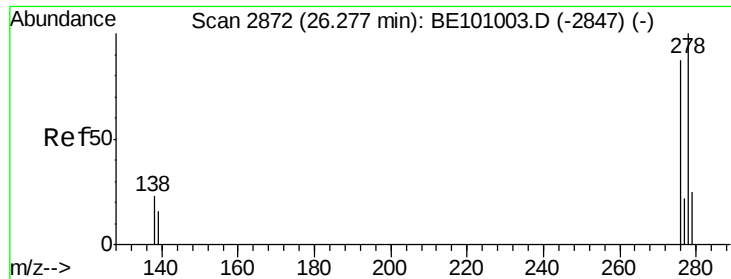
mohammad
1/17/2020 2:10:37 PM



#37
Benzo(a)pyrene
Concen: 0.170 ng
RT: 23.58 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.4	29.2
125	18.2	11.8	17.6





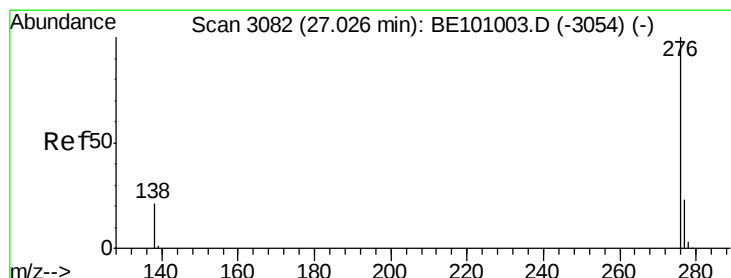
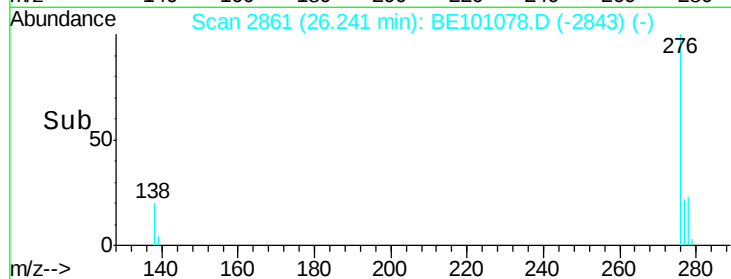
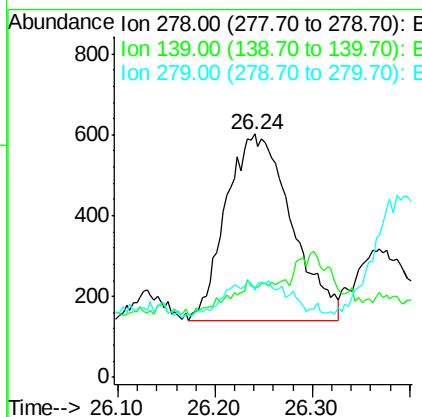
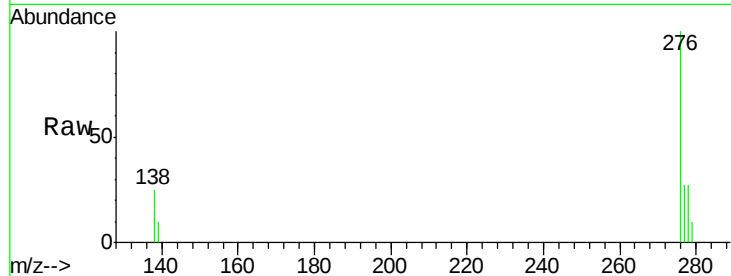
#38
Dibenzo(a,h)anthracene
Concen: 0.034 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.04 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Instrument :
BNA_E
ClientSampleId :
SB-26-(4-6)

Tot Ion	Ratio	Lower	Upper
278	100		
139	37.0	15.0	22.4#
279	35.9	22.6	33.8#

Manual Integrations
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mohammad
1/17/2020 2:10:37 PM



#39
Benzo(g,h,i)perylene
Concen: 0.151 ng
RT: 27.01 min Scan# 3077
Delta R.T. -0.02 min
Lab File: BE101078.D
Acq: 16 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.4	29.2
138	24.2	17.9	26.9

