

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
 Data File : BE101125.D
 Acq On : 22 Jan 2020 21:36
 Operator : CG/JU
 Sample : L1148-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-32-(3-5)

Manual Integrations
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Quant Time: Jan 23 10:20:08 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	2957	0.40	ng	-0.01
7) Naphthalene-d8	10.50	136	14719	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	11516	0.40	ng	0.00
19) Phenanthrene-d10	17.11	188	18641	0.40	ng	0.01
27) Chrysene-d12	21.32	240	26663	0.40	ng	0.04
34) Perylene-d12	23.75	264	29305	0.40	ng	0.05

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2673	0.40	ng	0.00
5) Phenol-d6	6.92	99	3298	0.39	ng	0.00
8) Nitrobenzene-d5	8.86	82	3913	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	5367	0.19	ng	-0.01
14) 2,4,6-Tribromophenol	15.85	330	1106	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	9029	0.21	ng	-0.01
25) Fluoranthene-d10	19.15	212	99385m	0.38	ng	0.02
29) Terphenyl-d14	19.75	244	13404	0.20	ng	0.01

Target Compounds						Qvalue
9) Naphthalene	10.55	128	4730903	28.947	ng	100
12) 2-Methylnaphthalene	12.17	142	368217	14.894	ng	# 49
16) Acenaphthylene	14.08	152	1372453	29.261	ng	100
17) Acenaphthene	14.43	154	150364	4.479	ng	96
18) Fluorene	15.39	166	706317	16.645	ng	98
22) Pentachlorophenol	16.77	266	4132	1.434	ng	# 89
23) Phenanthrene	17.15	178	3819079	75.027	ng	96
24) Anthracene	17.24	178	723647m	15.066	ng	
26) Fluoranthene	19.21	202	4834392	75.837	ng	96
28) Pylene	19.57	202	6119091	61.652	ng	# 90
30) Benzo(a)anthracene	21.29	228	3617995	47.554	ng	# 92
31) Chrysene	21.34	228	3333328m	29.478	ng	
32) Bis(2-ethylhexyl)phthalate	21.21	149	49363	0.389	ng	# 95
33) Indeno(1,2,3-cd)pyrene	26.36	276	2908157	32.551	ng	98
35) Benzo(b)fluoranthene	23.02	252	4282311	52.104	ng	# 97
36) Benzo(k)fluoranthene	23.06	252	1352353m	11.355	ng	
37) Benzo(a)pyrene	23.66	252	3274968	41.192	ng	99
38) Dibenzo(a,h)anthracene	26.37	278	631398	8.635	ng	98
39) Benzo(g,h,i)perylene	27.17	276	3410393	37.926	ng	99

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

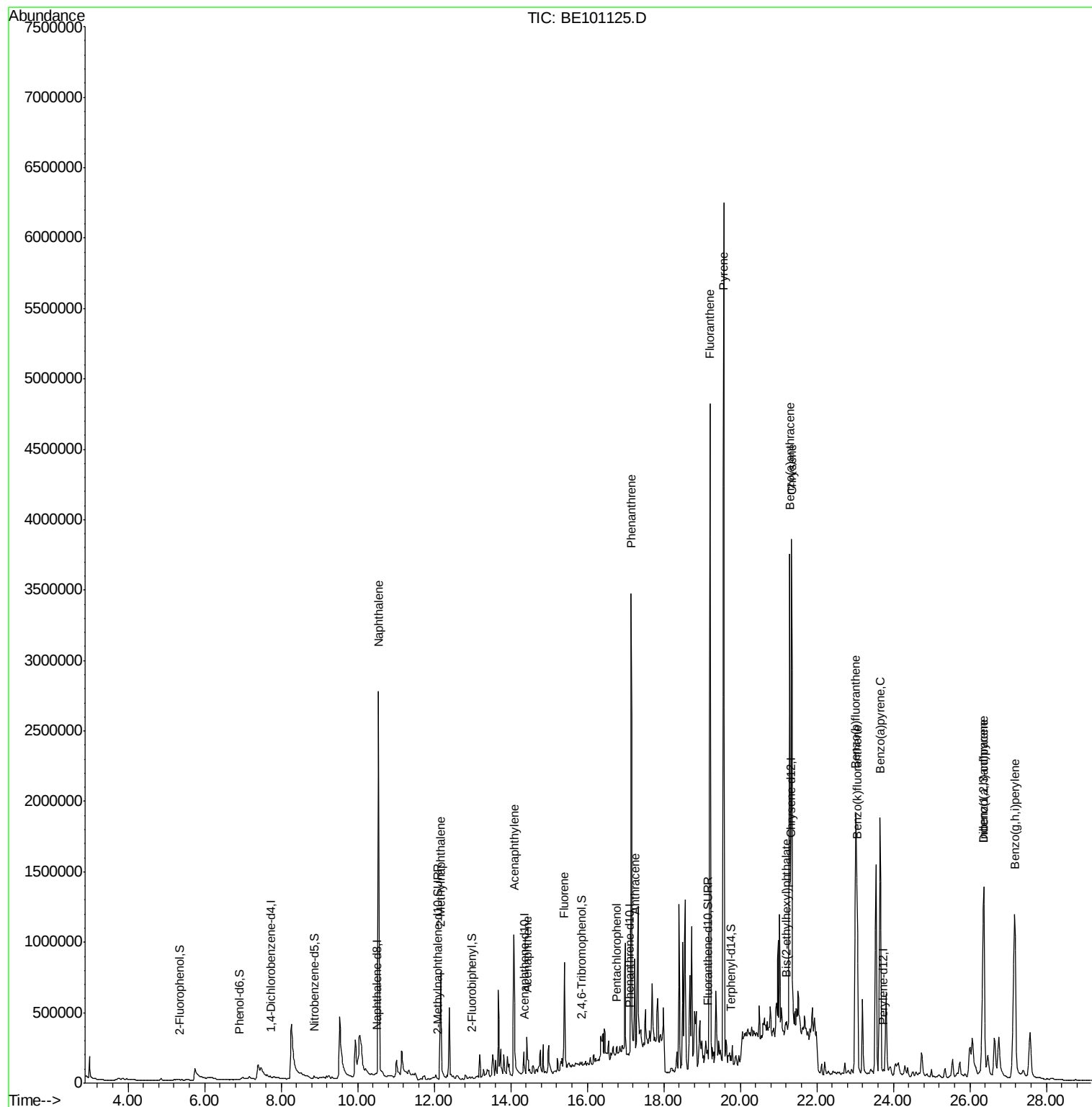
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012220\
Data File : BE101125.D
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Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

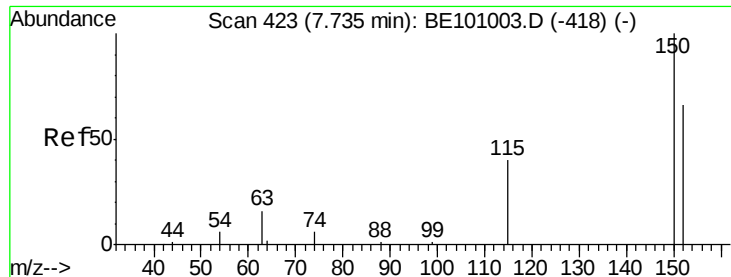
Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

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Quant Time: Jan 23 10:20:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

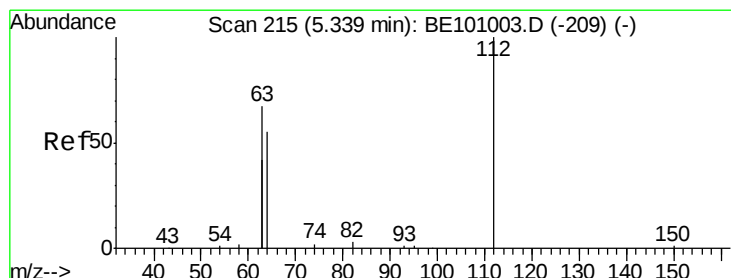
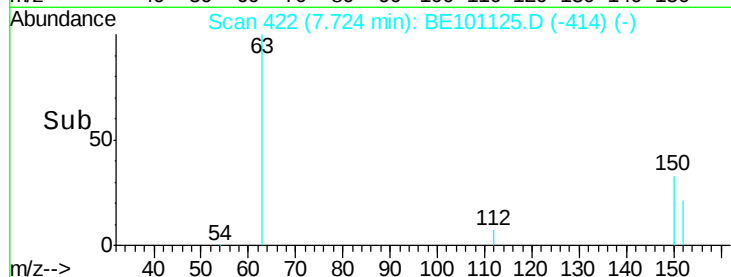
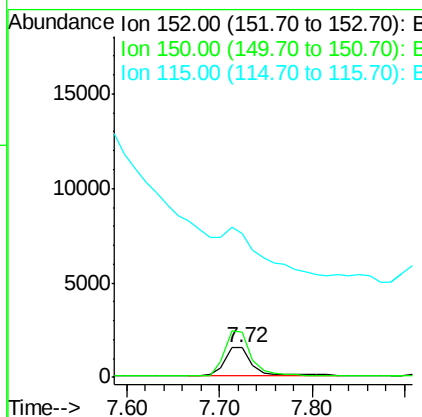
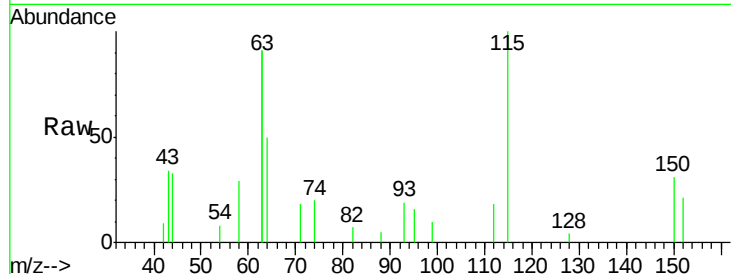
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.7	120.3	180.5
115	482.9	51.7	77.5#

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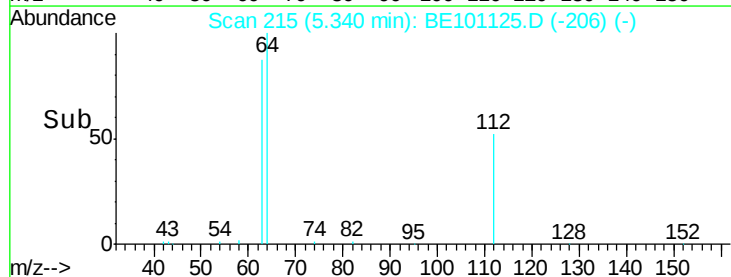
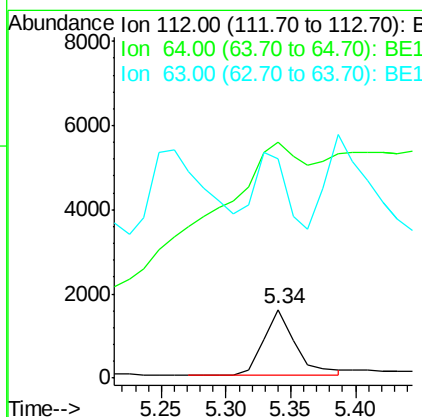
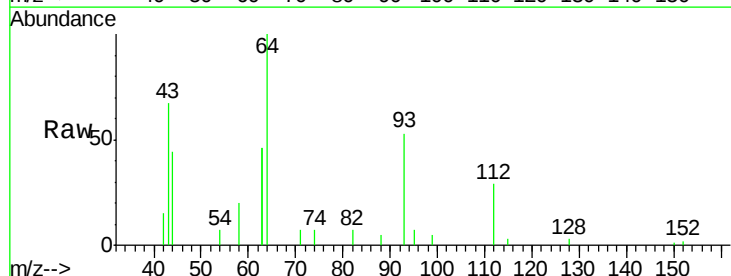
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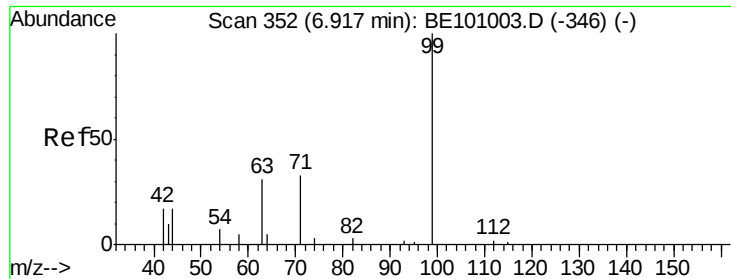


#4

2-Fluorophenol
Concen: 0.402 ng
RT: 5.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	293.3	53.6	80.4#
63	114.8	114.6	172.0





#5

Phenol-d6

Concen: 0.392 ng

RT: 6.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

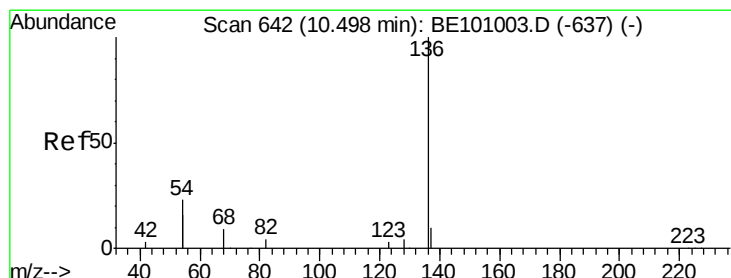
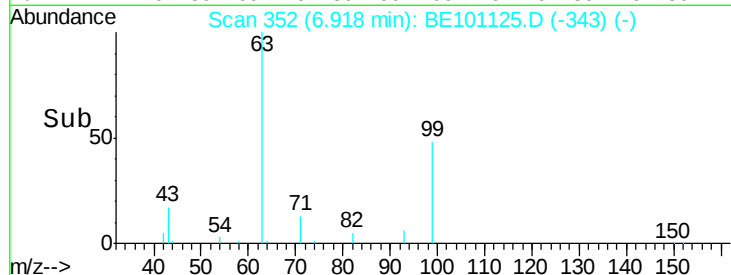
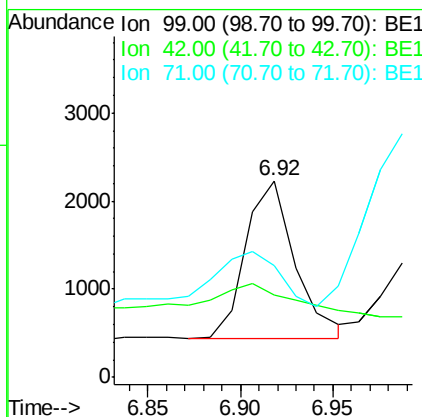
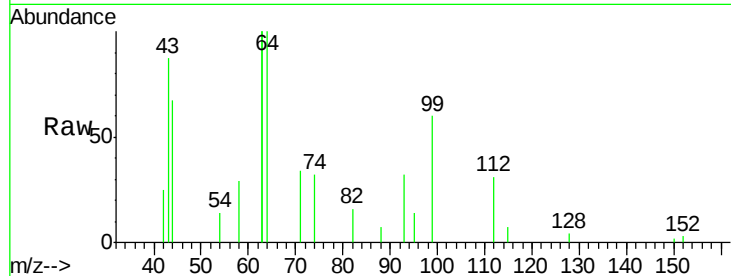
ClientSampled :

SB-32-(3-5)

Tot Ion:	99	Resp:	3298
Ion	Ratio	Lower	Upper
99	100		
42	49.0	18.3	27.5#
71	50.8	28.0	42.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

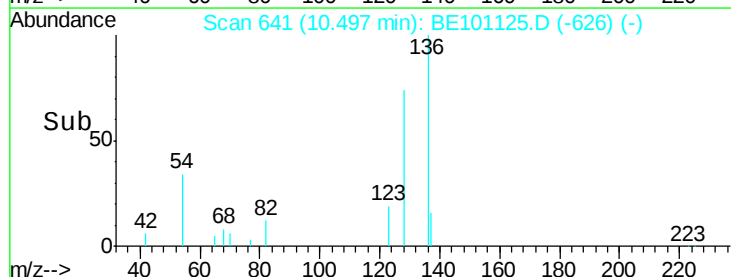
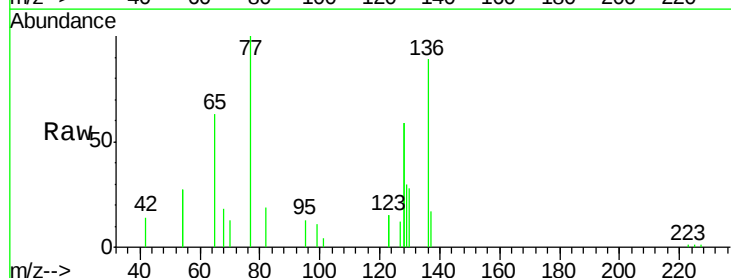
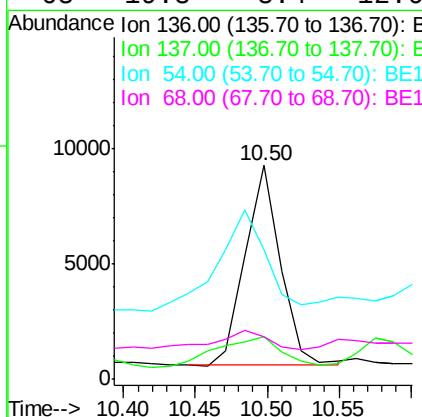
RT: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tgt Ion:	136	Resp:	14719
Ion	Ratio	Lower	Upper
136	100		
137	19.5	9.3	13.9#
54	60.5	36.8	55.2#
68	19.8	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.372 ng

RT: 8.86 min Scan# 515

Delta R.T. -0.01 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

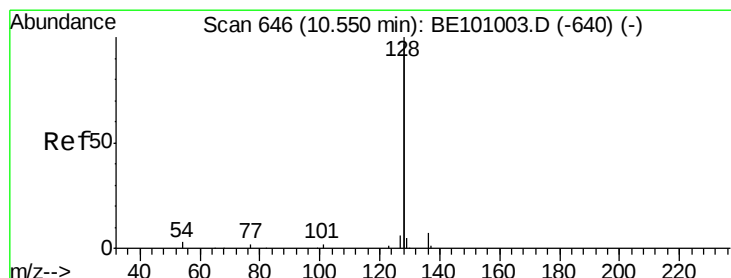
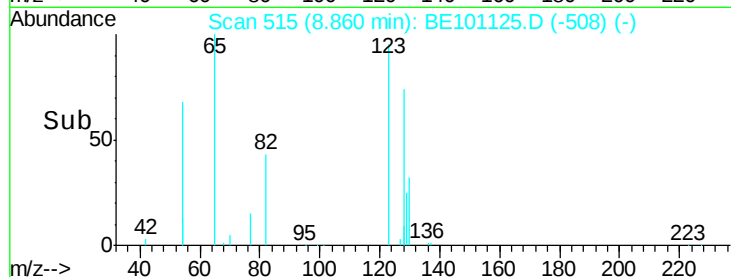
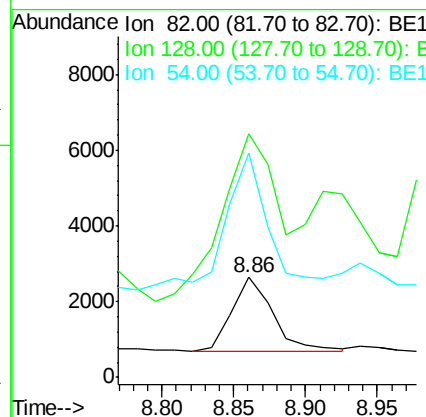
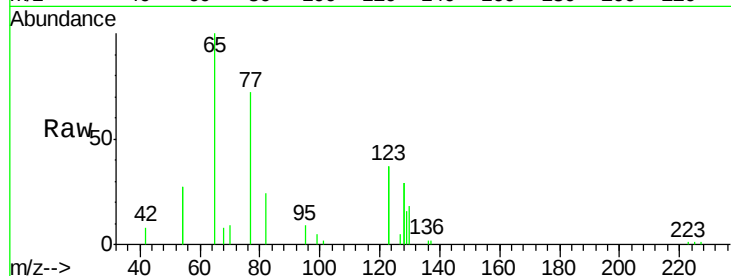
ClientSampleId :

SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	243.9	109.8	164.6#
54	224.7	174.5	261.7

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#9

Naphthalene

Concen: 28.947 ng

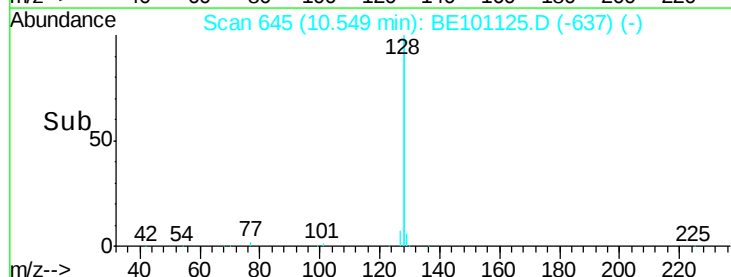
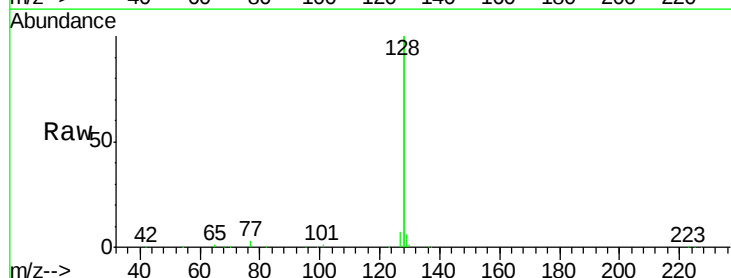
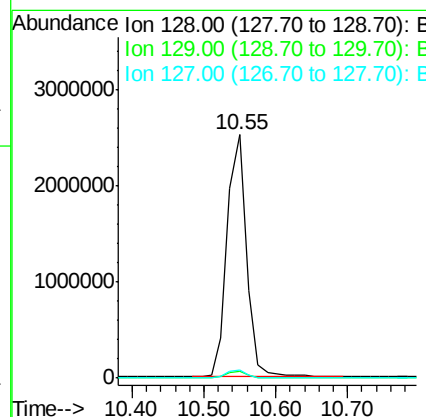
RT: 10.55 min Scan# 645

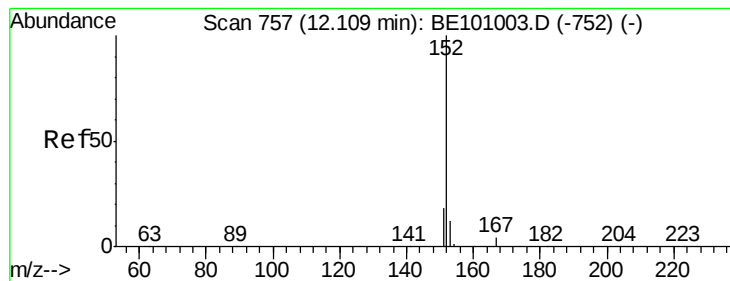
Delta R.T. -0.00 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.3	2.7	4.1





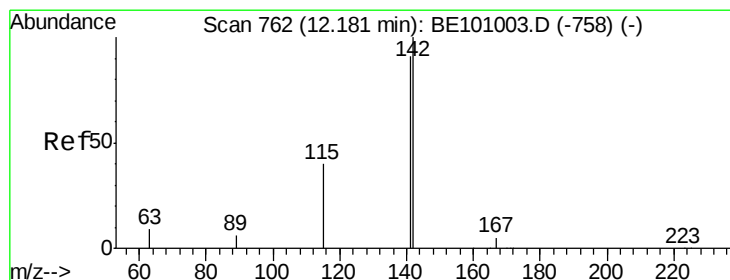
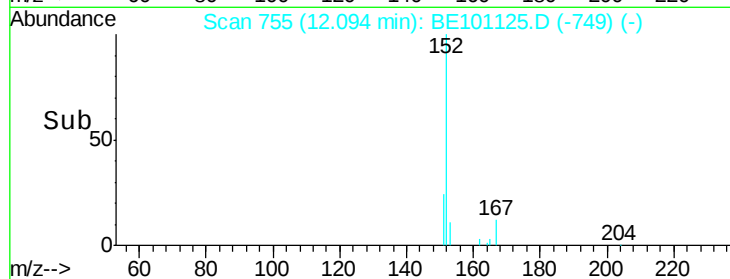
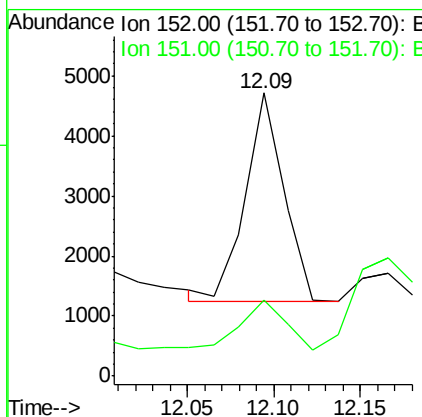
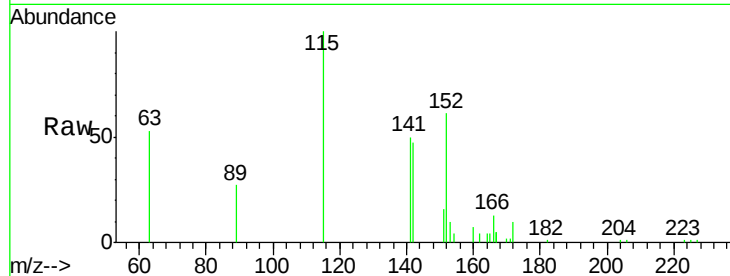
#11
2-Methylnaphthalene-d10
Concen: 0.191 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion:152 Resp: 5367
Ion Ratio Lower Upper
152 100
151 27.7 15.0 22.6#

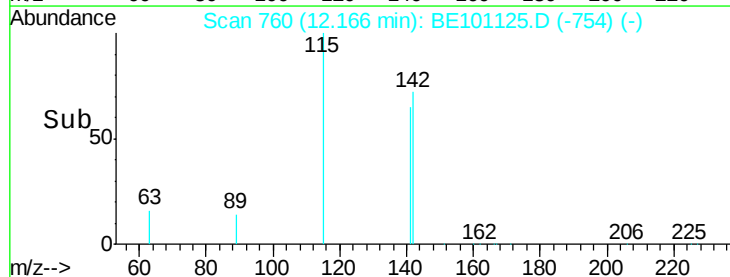
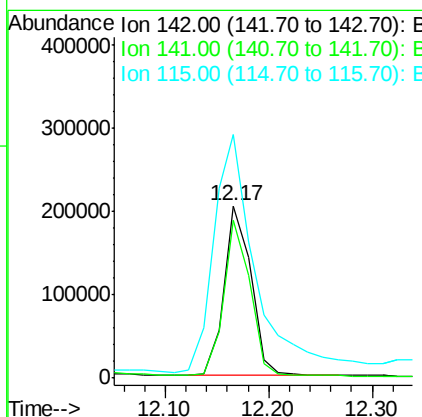
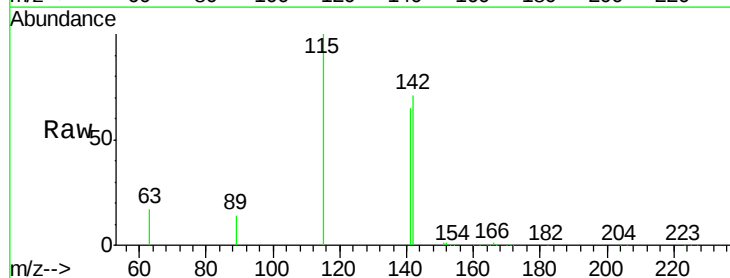
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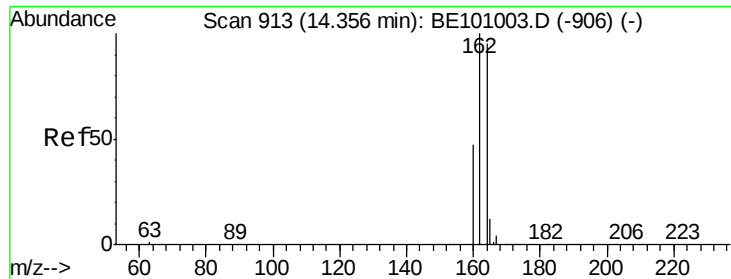
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#12
2-Methylnaphthalene
Concen: 14.894 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion:142 Resp: 368217
Ion Ratio Lower Upper
142 100
141 91.8 72.5 108.7
115 141.4 33.0 49.6#





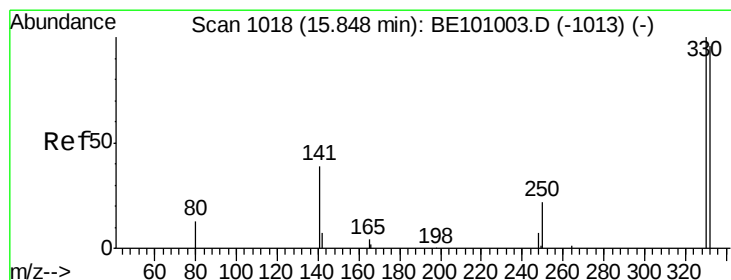
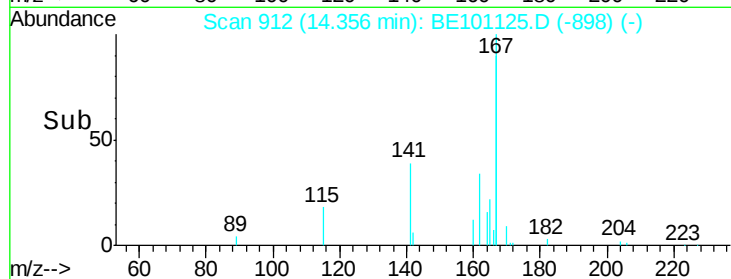
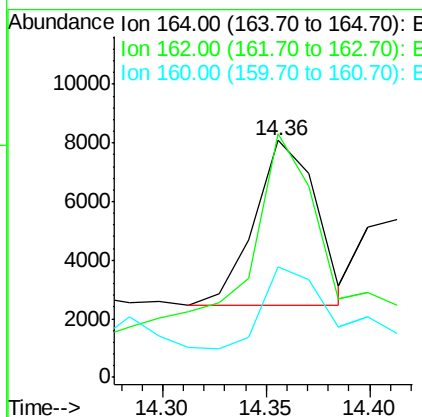
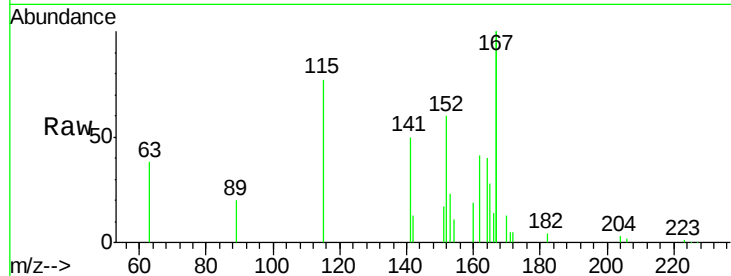
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	84.1	126.1
160	46.4	40.4	60.6

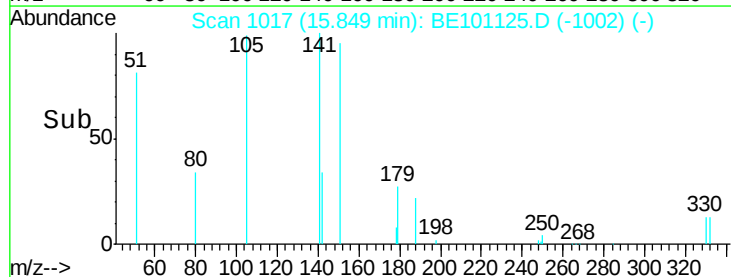
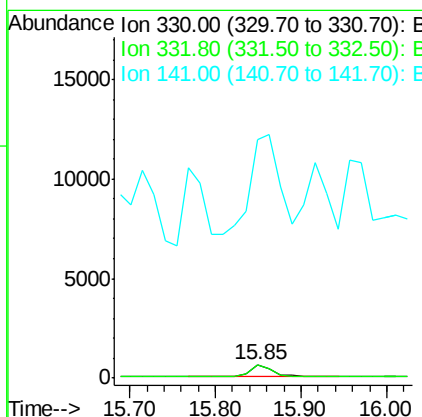
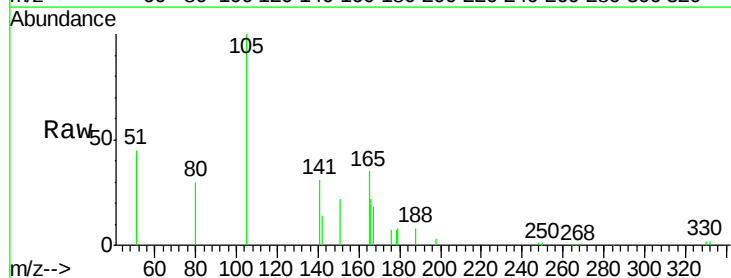
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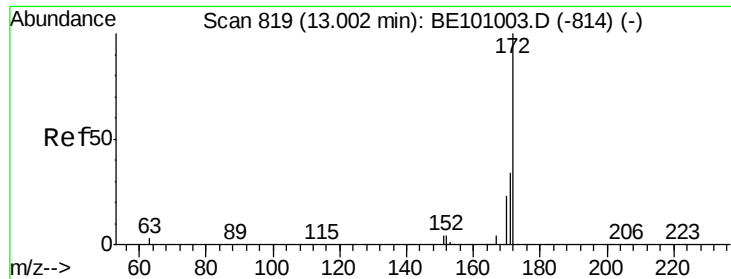
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#14
2,4,6-Tribromophenol
Concen: 0.340 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.4	117.6
141	1041.8	37.0	55.4#





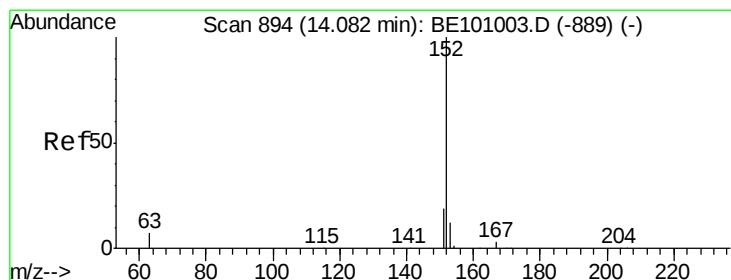
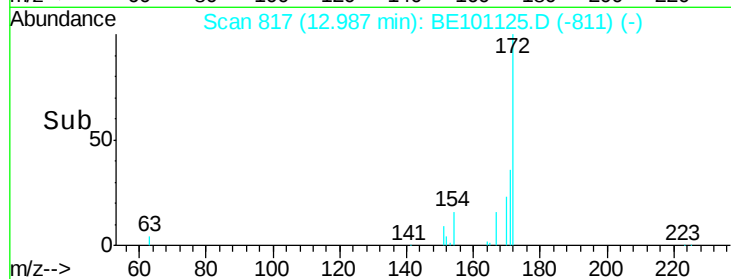
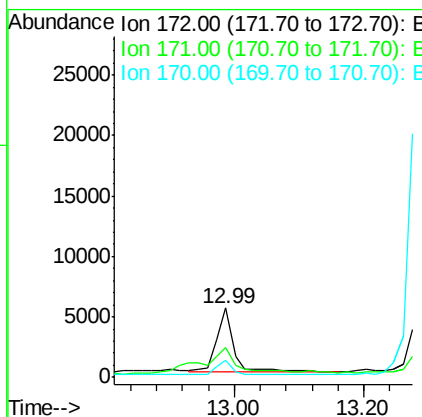
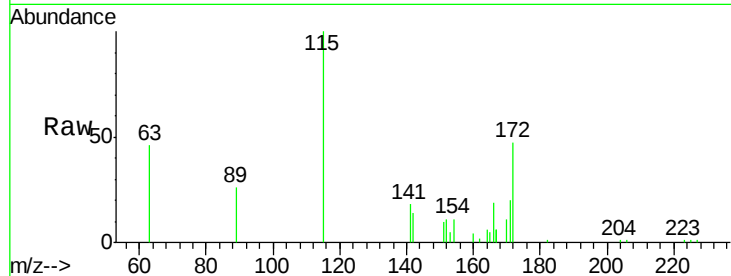
#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampled :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	42.6	28.2	42.2#
170	23.9	18.9	28.3

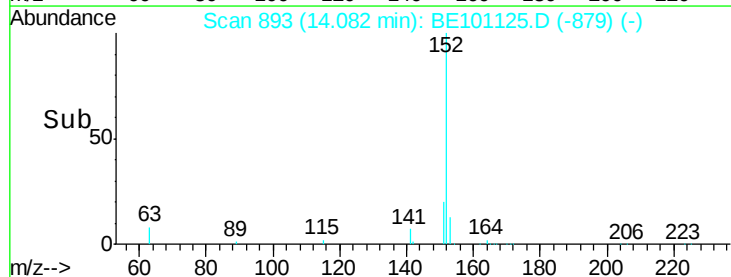
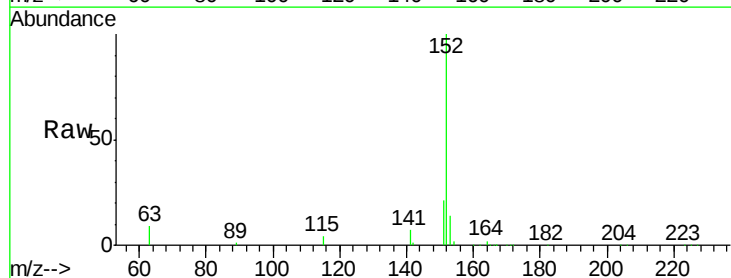
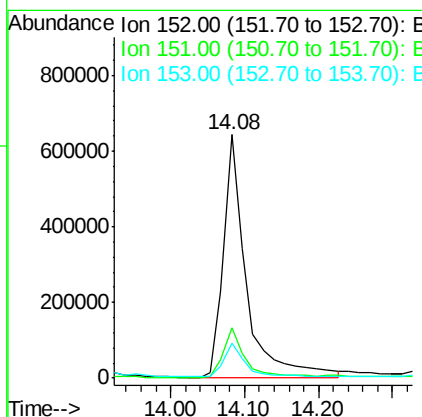
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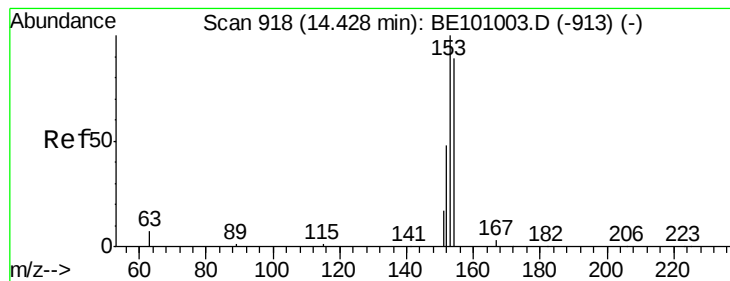
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#16
Acenaphthylene
Concen: 29.261 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.3	10.4	15.6





#17

Acenaphthene

Concen: 4.479 ng

RT: 14.43 min Scan# 917

Delta R.T. -0.00 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

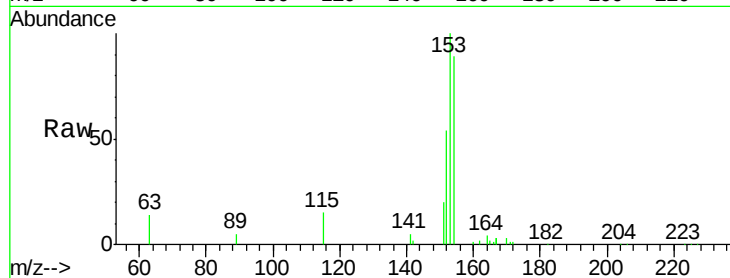
ClientSampleId :

SB-32-(3-5)

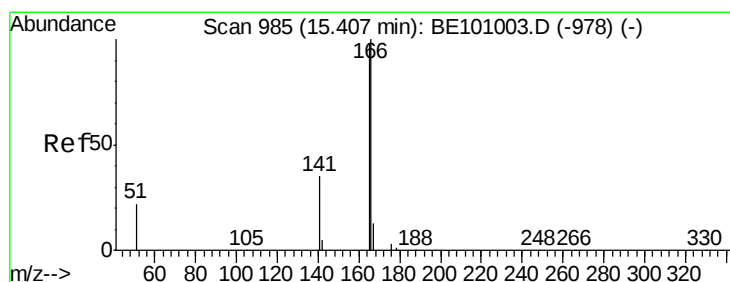
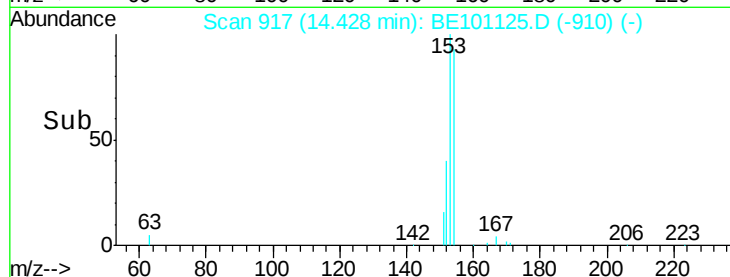
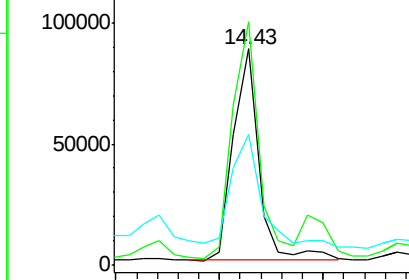
Tot Ion:	154	Resp:	150364
Ion Ratio	Lower	Upper	
154	100		
153	114.1	93.6	140.4
152	61.8	46.3	69.5

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: 16.645 ng

RT: 15.39 min Scan# 983

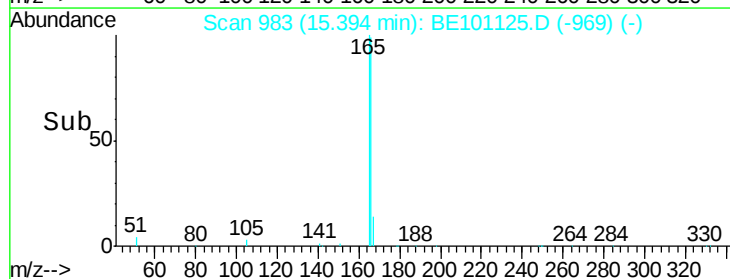
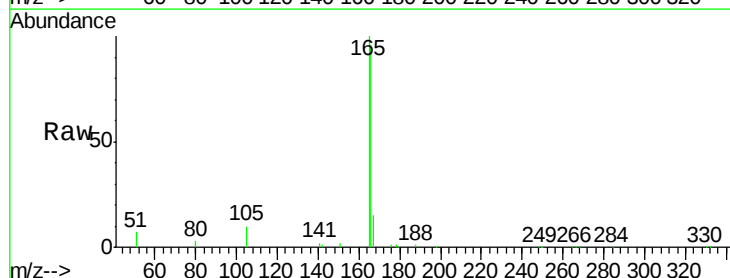
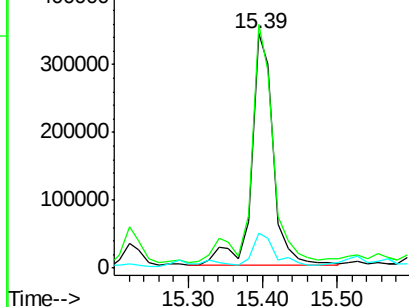
Delta R.T. -0.01 min

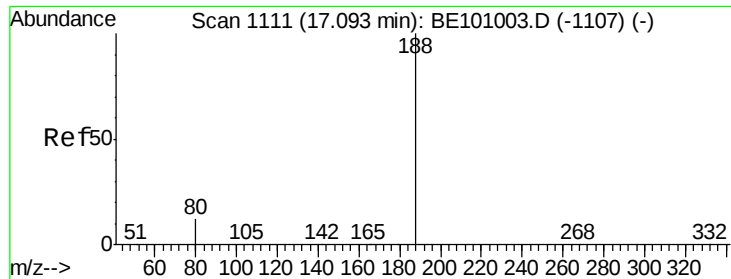
Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tgt Ion:	166	Resp:	706317
Ion Ratio	Lower	Upper	
166	100		
165	101.6	79.8	119.8
167	14.3	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





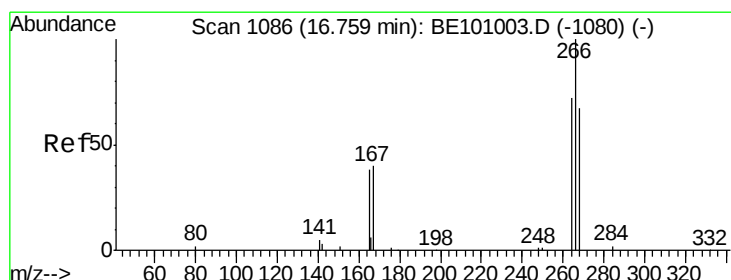
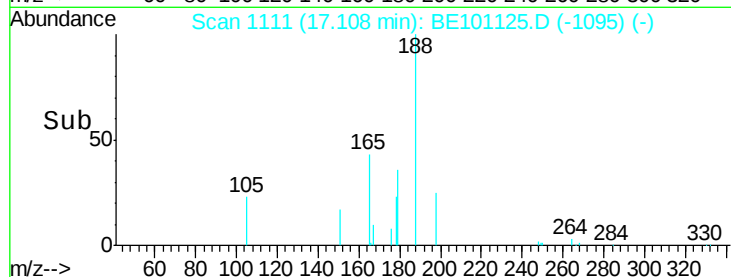
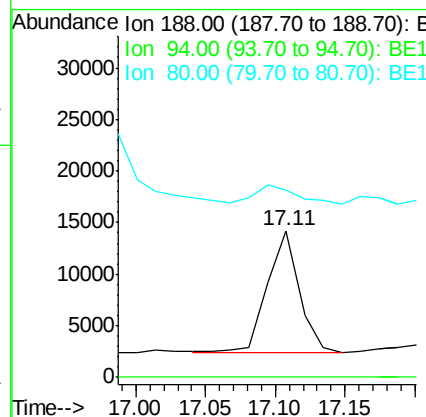
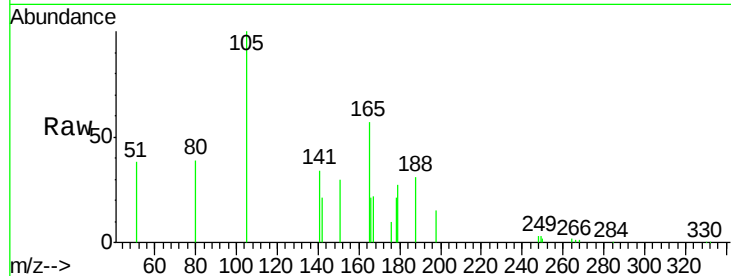
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.11 min Scan# 1111
Delta R.T. 0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	127.7	10.8	16.2#

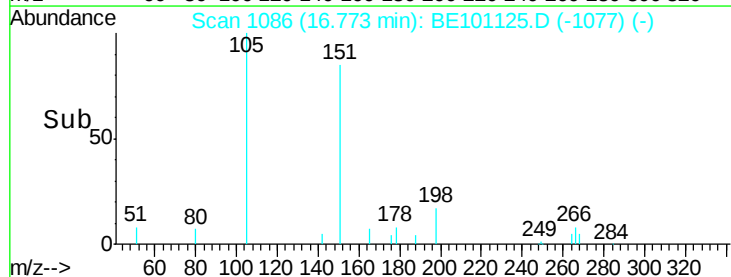
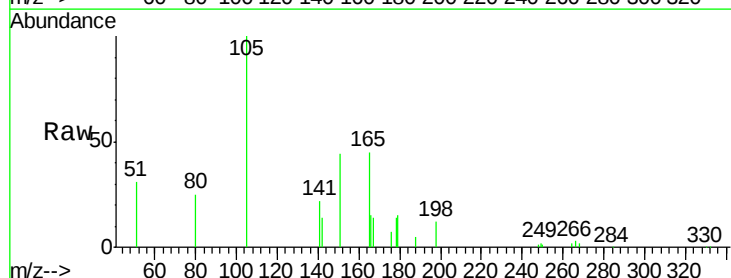
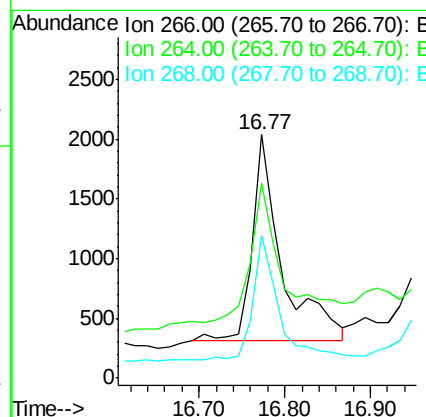
Manual Integrations
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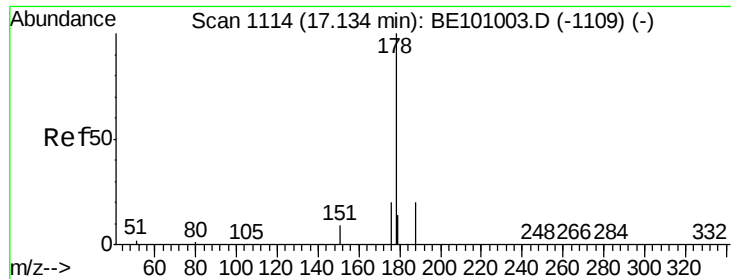
mohammad
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#22
Pentachlorophenol
Concen: 1.434 ng
RT: 16.77 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
266	100		
264	79.9	61.0	91.4
268	58.4	58.5	87.7#





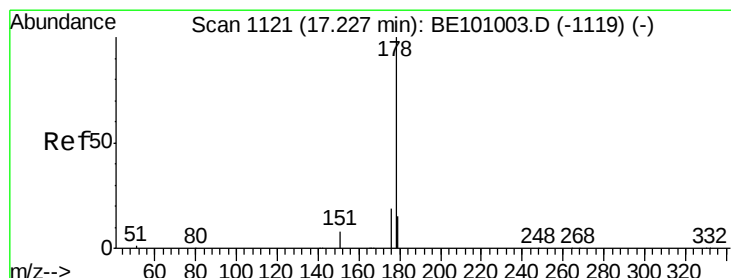
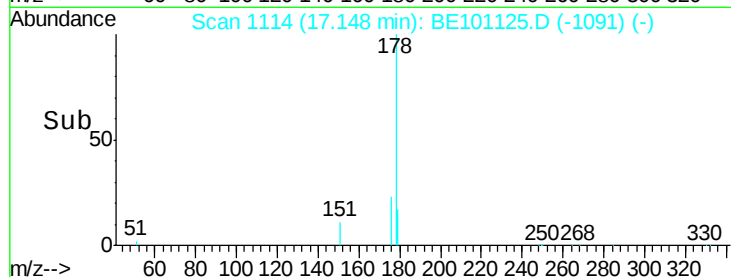
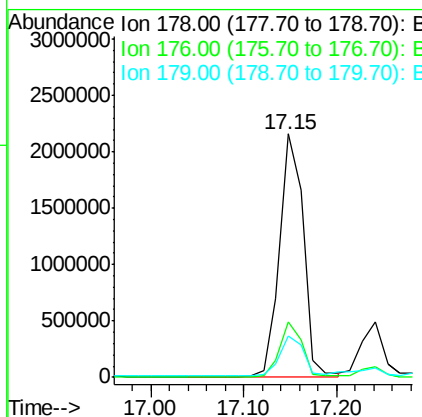
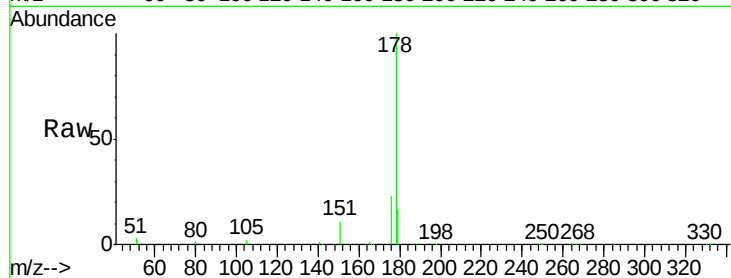
#23
Phenanthrene
Concen: 75.027 ng
RT: 17.15 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.7	23.5
179	17.1	12.0	18.0

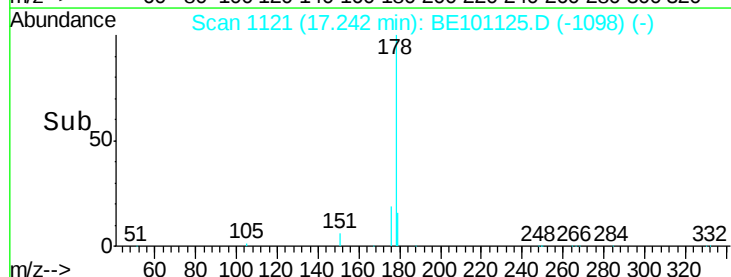
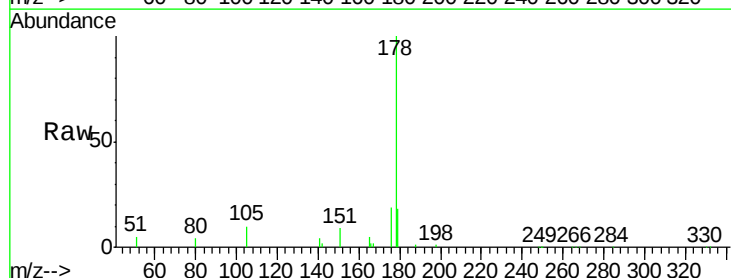
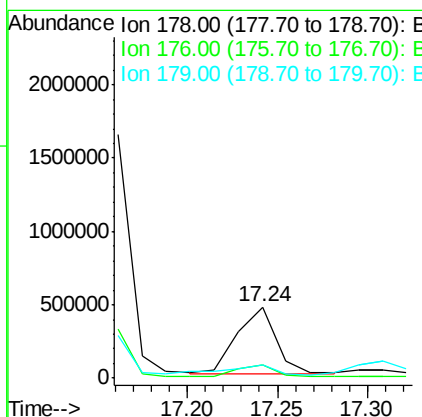
Manual Integrations
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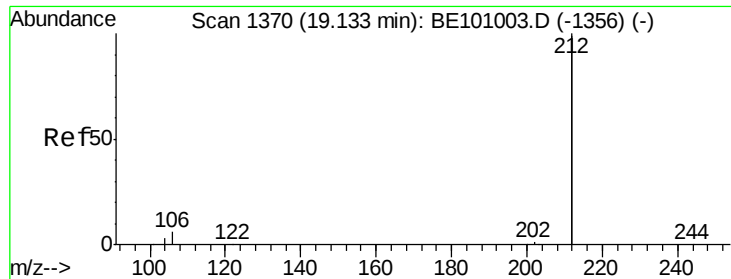
mohammad
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#24
Anthracene
Concen: 15.066 ng m
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	112.6	14.8	22.2#
179	90.2	12.4	18.6#





#25

Fluoranthene-d10

Concen: 0.384 ng/mL

RT: 19.15 min Scan# 1372

Delta R.T. 0.02 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

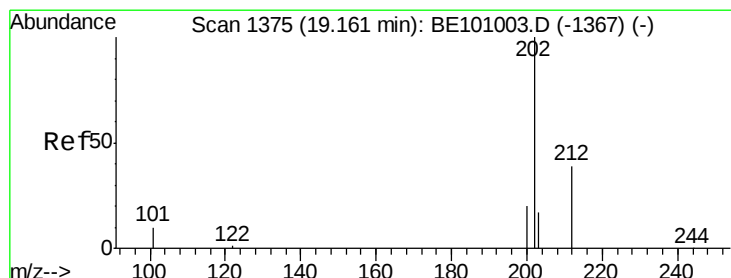
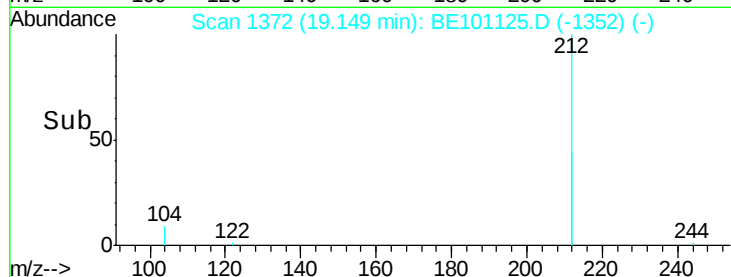
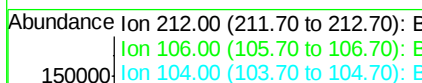
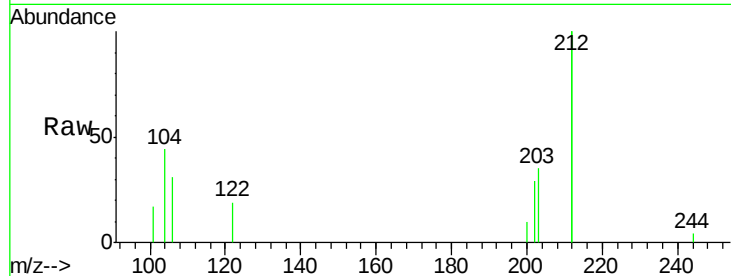
ClientSampleId :

SB-32-(3-5)

Tot Ion:	212	Resp:	99385
Ion Ratio	Lower	Upper	
212	100		
106	0.0	2.6	3.8#
104	23.0	1.4	2.0#

Manual Integrations
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#26

Fluoranthene

Concen: 75.837 ng/mL

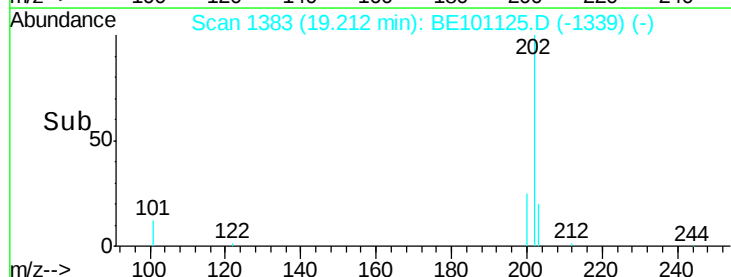
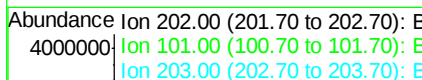
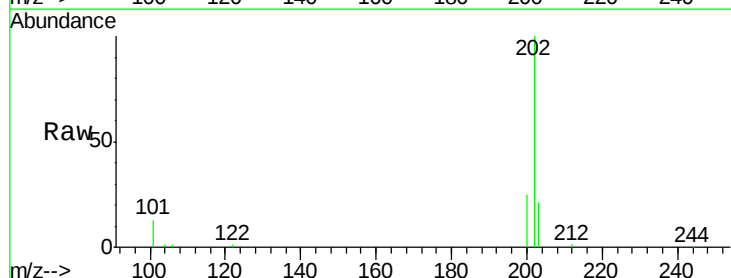
RT: 19.21 min Scan# 1383

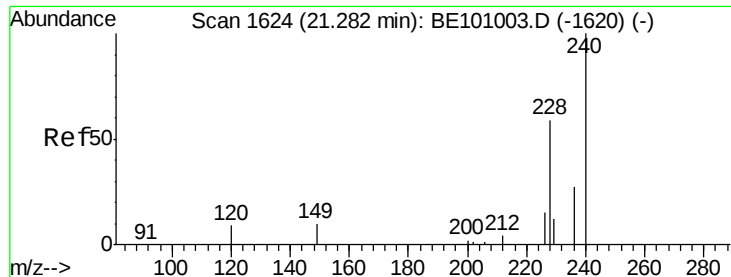
Delta R.T. 0.05 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tgt Ion:	202	Resp:	4834392
Ion Ratio	Lower	Upper	
202	100		
101	13.1	9.6	14.4
203	19.4	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.04 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

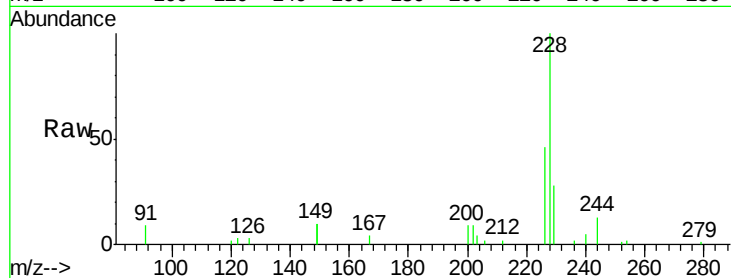
ClientSampled :

SB-32-(3-5)

Tot Ion	Ion	Ratio	Lower	Upper
240	100			
120	47.5	8.6	13.0#	
236	38.2	22.2	33.4#	

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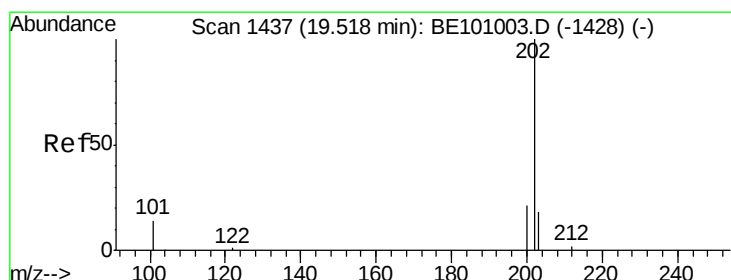
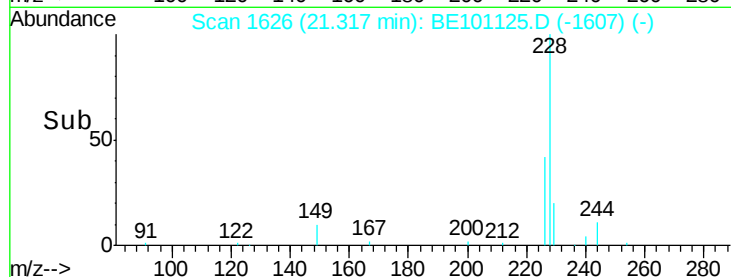
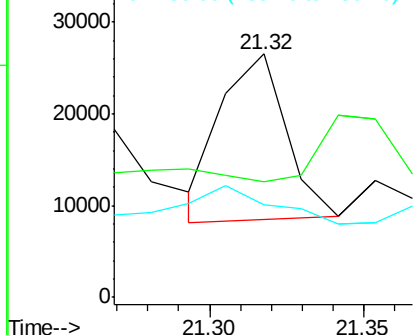
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 61.652 ng

RT: 19.57 min Scan# 1445

Delta R.T. 0.05 min

Lab File: BE101125.D

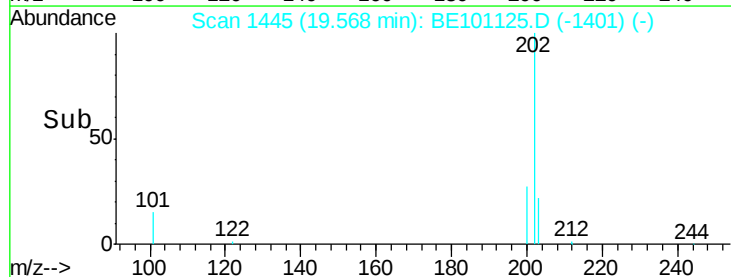
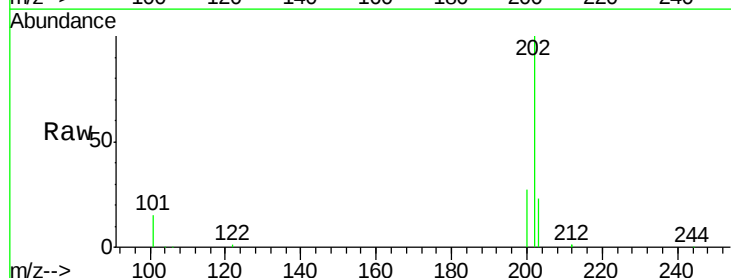
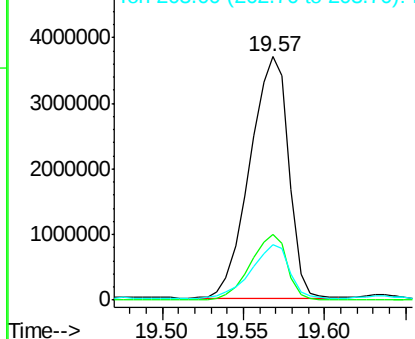
Acq: 22 Jan 2020 21:36

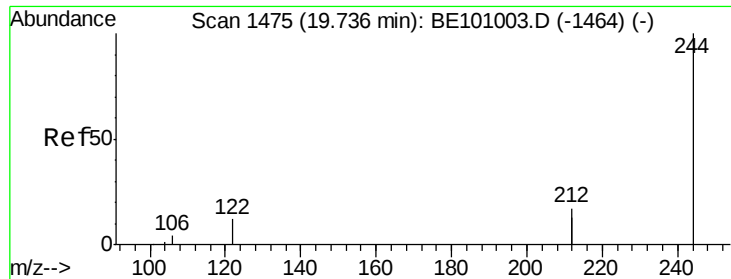
Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
200	25.3	17.0	25.4	
203	22.2	13.8	20.6#	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





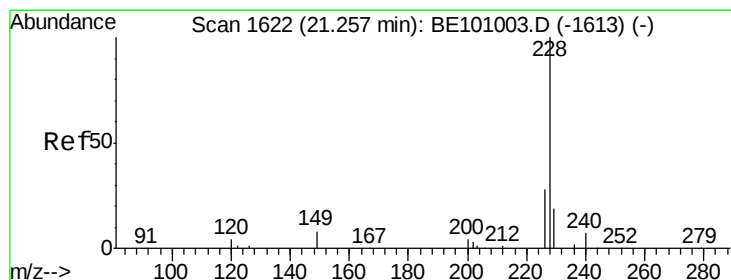
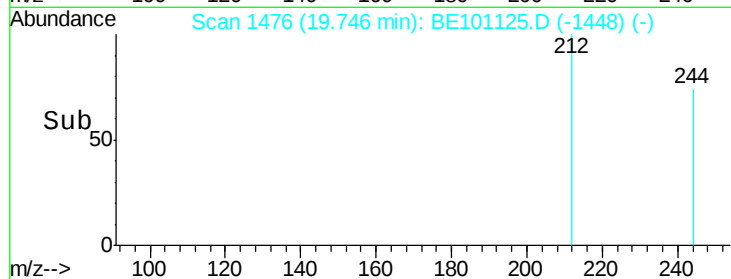
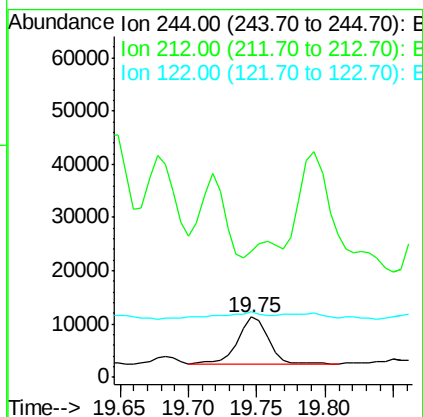
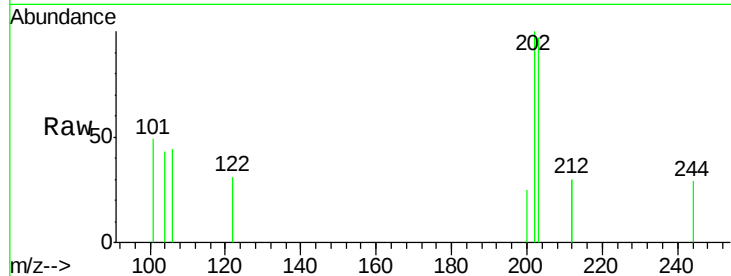
#29
 Terphenyl-d14
 Concen: 0.205 ng
 RT: 19.75 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: BE101125.D
 Acq: 22 Jan 2020 21:36

Instrument :
 BNA_E
 ClientSampled :
 SB-32-(3-5)

Tot Ion:244 Resp: 13404
 Ion Ratio Lower Upper
 244 100
 212 210.4 27.2 40.8#
 122 108.6 9.8 14.8#

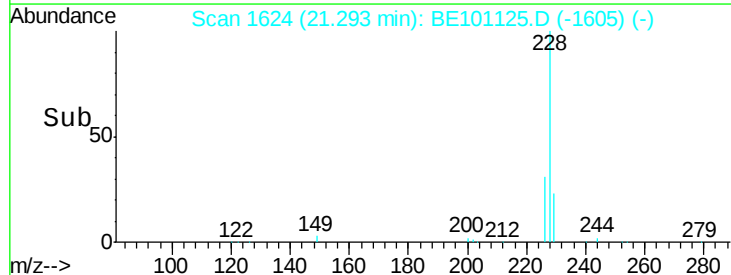
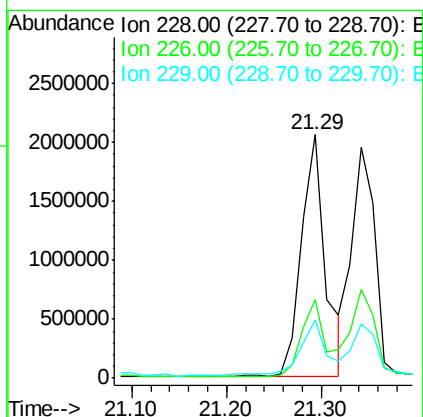
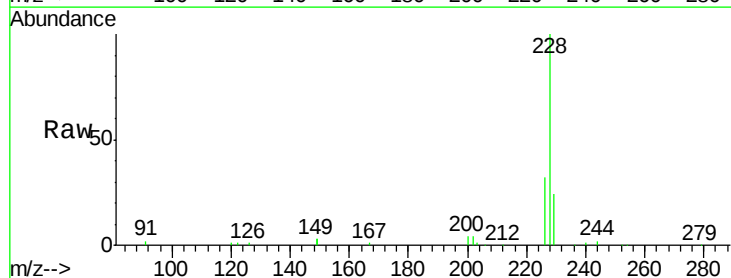
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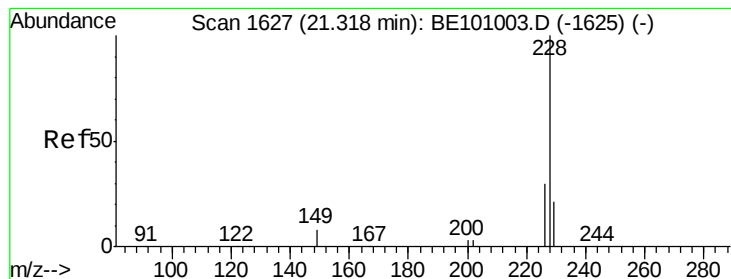
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#30
 Benzo(a)anthracene
 Concen: 47.554 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.04 min
 Lab File: BE101125.D
 Acq: 22 Jan 2020 21:36

Tgt Ion:228 Resp: 3617995
 Ion Ratio Lower Upper
 228 100
 226 32.1 22.7 34.1
 229 23.9 15.5 23.3#





#31

Chrysene

Concen: 29.478 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.02 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

ClientSampleId :

SB-32-(3-5)

Tot Ion:228 Resp: 3333328

Ion Ratio Lower Upper

228 100

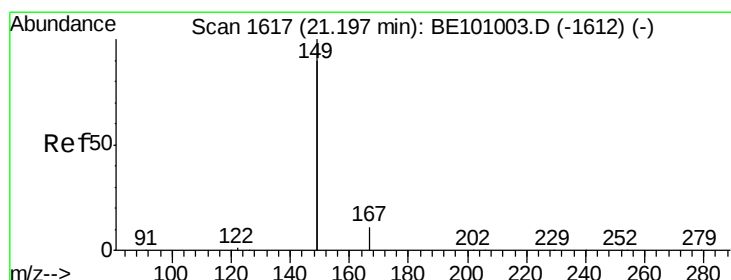
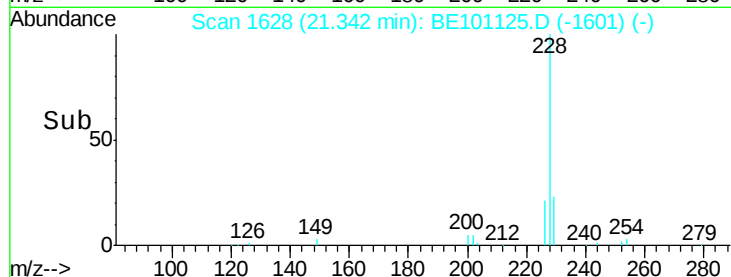
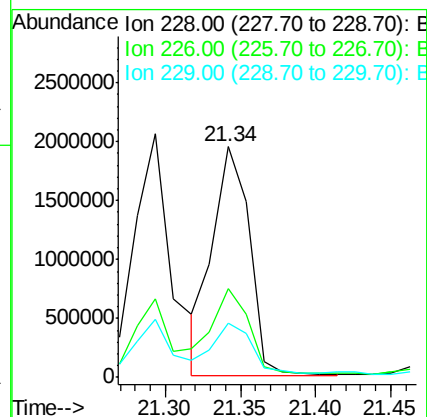
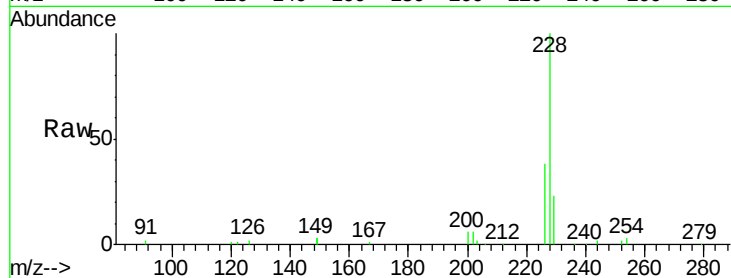
226 38.2 23.5 35.3#

229 23.3 16.7 25.1

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.389 ng

RT: 21.21 min Scan# 1617

Delta R.T. 0.01 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

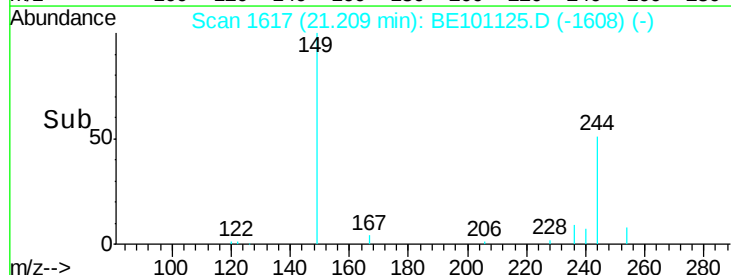
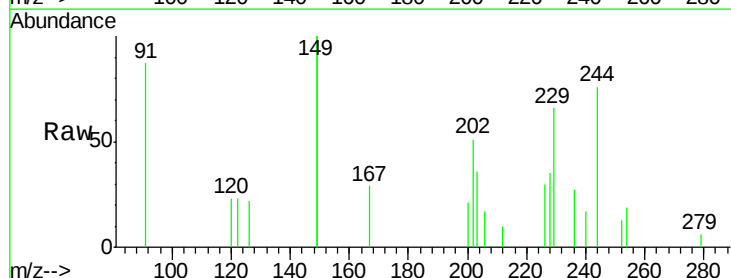
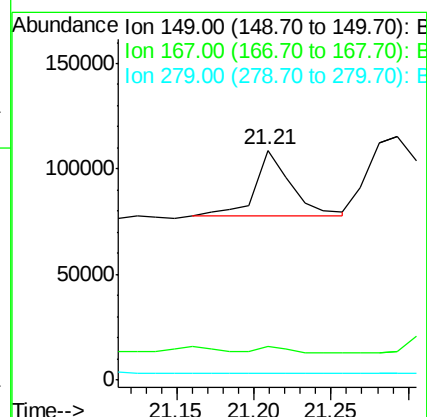
Tgt Ion:149 Resp: 49363

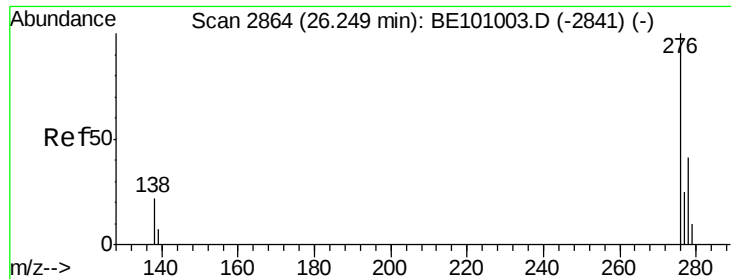
Ion Ratio Lower Upper

149 100

167 8.3 5.2 7.8#

279 0.0 0.8 1.2#





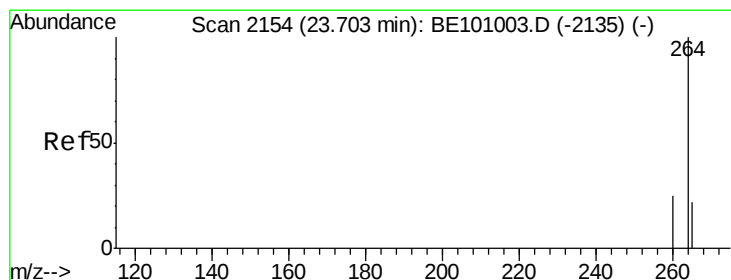
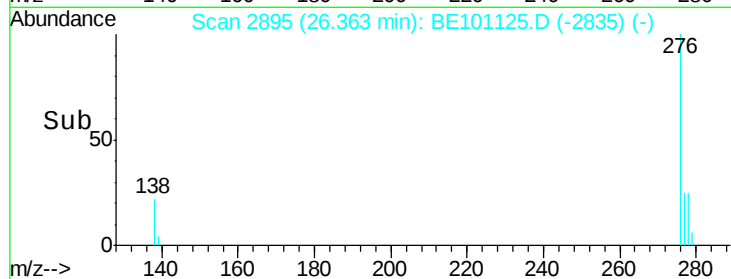
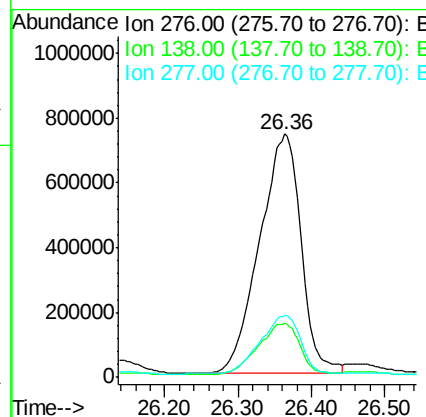
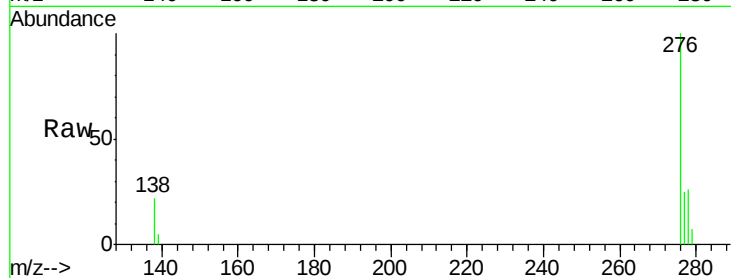
#33
Indeno(1,2,3-cd)pyrene
Concen: 32.551 ng
RT: 26.36 min Scan# 2895
Delta R.T. 0.11 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.1	24.1
277	23.5	18.1	27.1

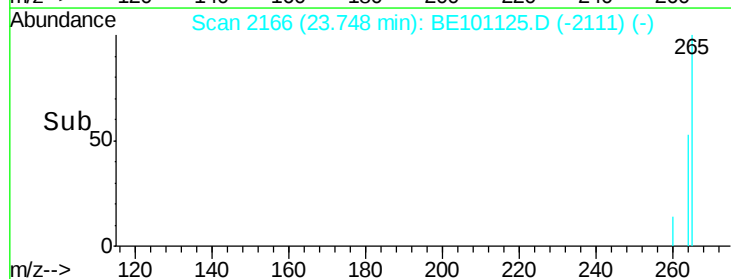
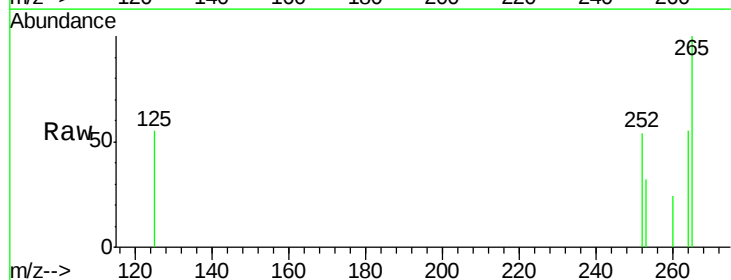
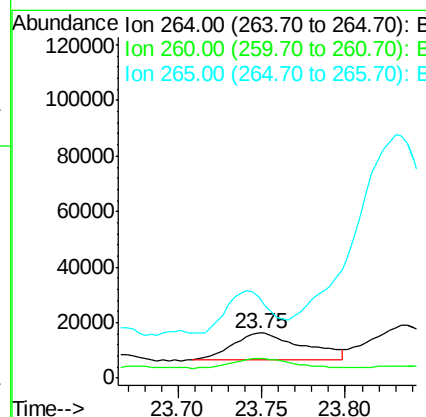
Manual Integrations
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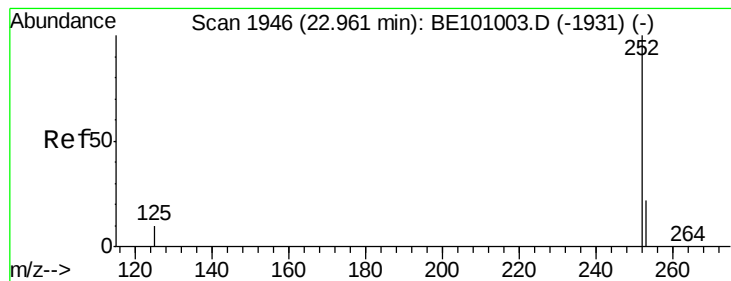
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2166
Delta R.T. 0.05 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	44.2	20.3	30.5#
265	181.8	27.0	40.4#





#35

Benzo(b)fluoranthene

Concen: 52.104 ng

RT: 23.02 min Scan# 1962

Delta R.T. 0.06 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Instrument :

BNA_E

ClientSampleId :

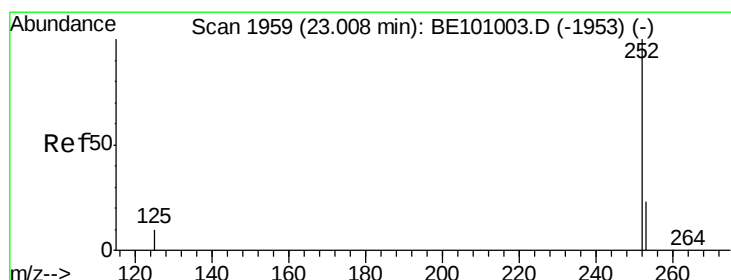
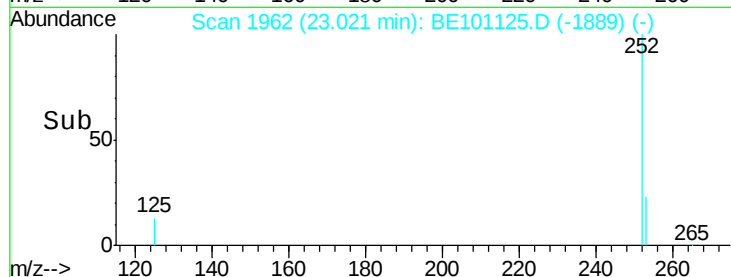
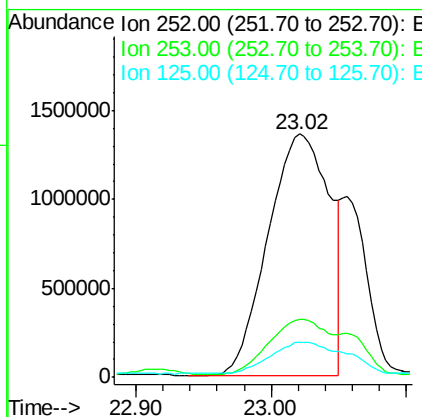
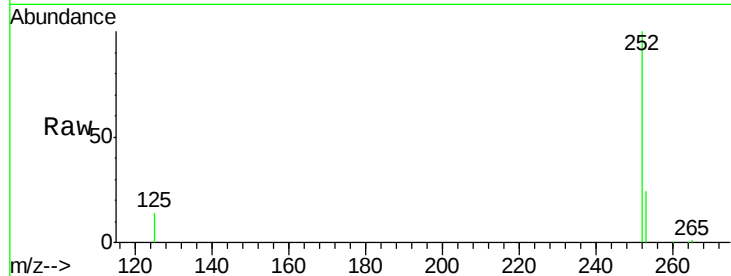
SB-32-(3-5)

Tot Ion:252 Resp: 4282311

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.5	27.7
125	14.3	9.5	14.3#

Manual Integrations
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#36

Benzo(k)fluoranthene

Concen: 11.355 ng m

RT: 23.06 min Scan# 1972

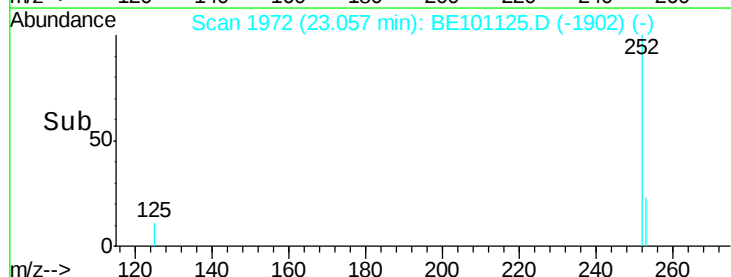
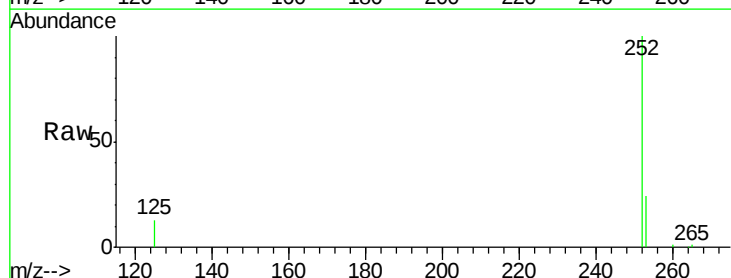
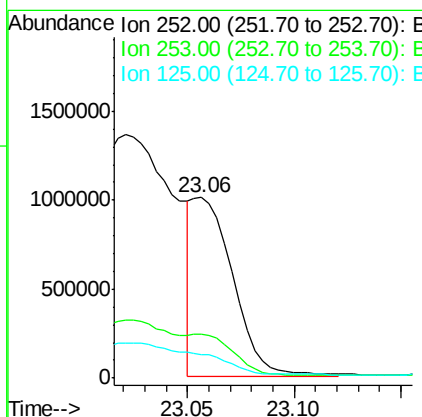
Delta R.T. 0.05 min

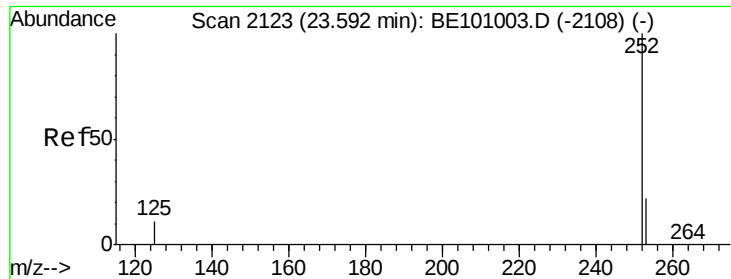
Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tgt Ion:252 Resp: 1352353

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.9	28.3
125	13.3	10.1	15.1





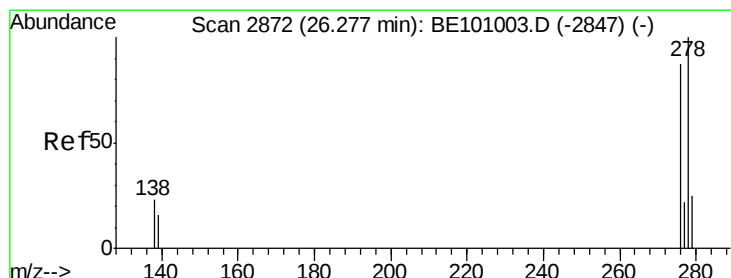
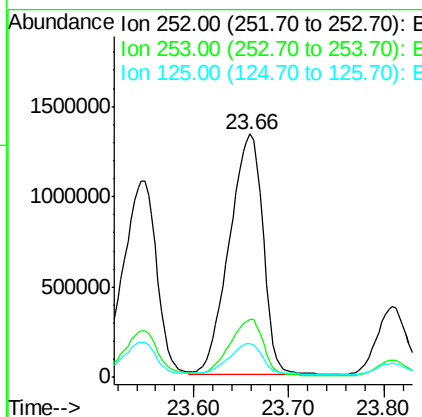
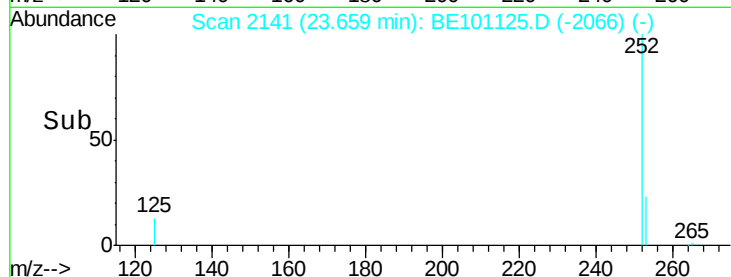
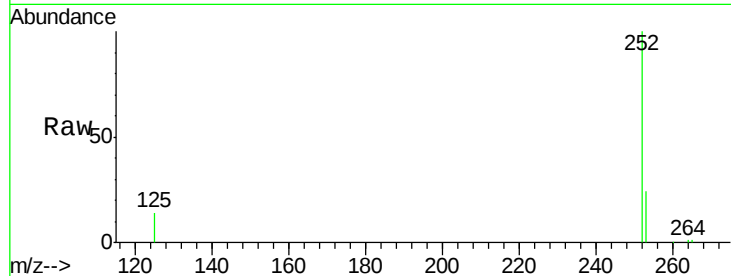
#37
Benzo(a)pyrene
Concen: 41.192 ng
RT: 23.66 min Scan# 2141
Delta R.T. 0.07 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Instrument :
BNA_E
ClientSampleId :
SB-32-(3-5)

Tot Ion:252 Resp: 3274968
Ion Ratio Lower Upper
252 100
253 23.8 19.4 29.2
125 14.0 11.8 17.6

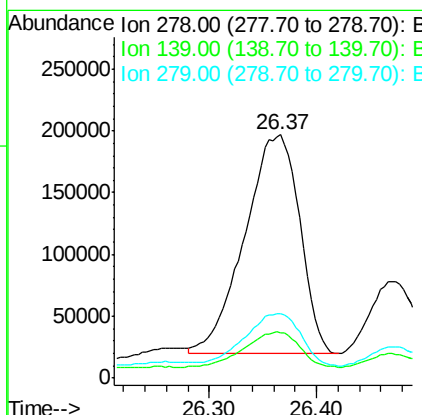
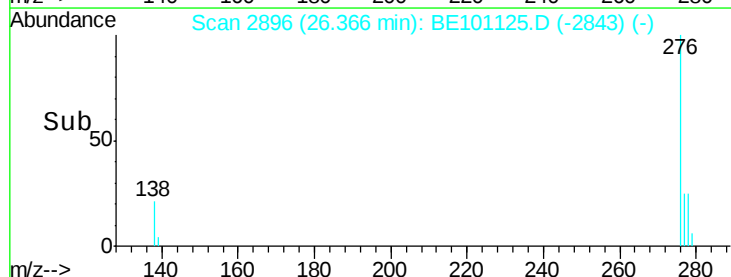
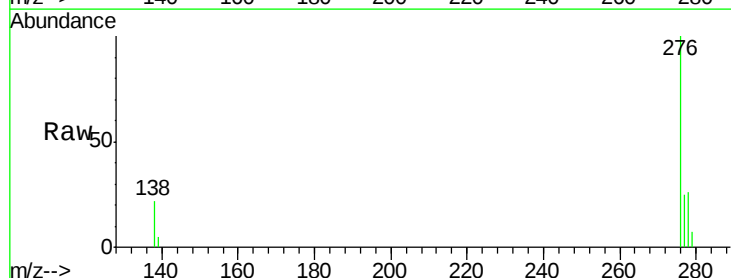
Manual Integrations
APPROVED

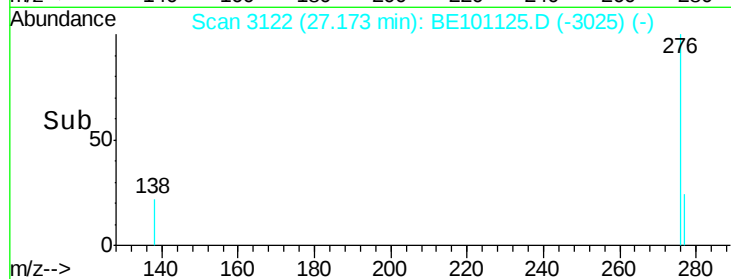
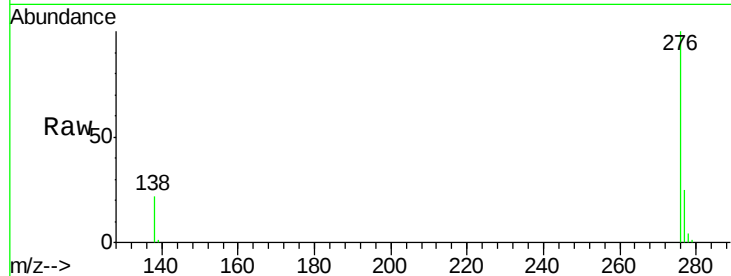
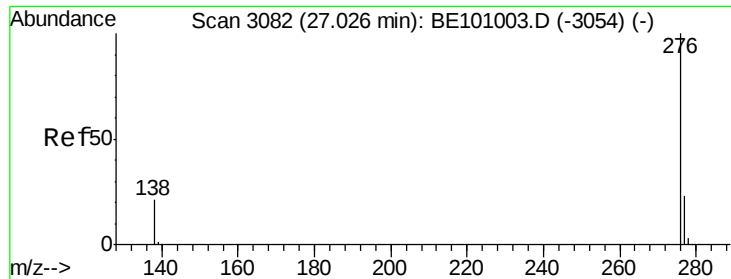
mohammad
1/23/2020 1:53:59 PM



#38
Dibenzo(a,h)anthracene
Concen: 8.635 ng
RT: 26.37 min Scan# 2896
Delta R.T. 0.09 min
Lab File: BE101125.D
Acq: 22 Jan 2020 21:36

Tgt Ion:278 Resp: 631398
Ion Ratio Lower Upper
278 100
139 18.8 15.0 22.4
279 26.7 22.6 33.8





#39

Benzo(a,h,i)perylene

Concen: 37.926 ng

RT: 27.17 min Scan# 3122

Delta R.T. 0.15 min

Lab File: BE101125.D

Acq: 22 Jan 2020 21:36

Tot Ion: 276 Resp: 3410393

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.2

138 22.4 17.9 26.9

Instrument :

BNA_E

ClientSampleId :

SB-32-(3-5)

Manual Integrations
APPROVED

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