

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
 Data File : BE101081.D
 Acq On : 16 Jan 2020 18:28
 Operator : JU
 Sample : L1148-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-30-(3-5)

Manual Integrations
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mohammad
 1/17/2020 2:10:45 PM

Quant Time: Jan 17 10:41:14 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	3318	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	13852	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	10809	0.40	ng	0.00
19) Phenanthrene-d10	17.08	188	24867	0.40	ng	-0.01
27) Chrysene-d12	21.27	240	26920	0.40	ng	-0.01
34) Perylene-d12	23.69	264	31217	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.33	112	1337	0.18	ng	0.00
5) Phenol-d6	6.90	99	1642	0.17	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1566	0.16	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	2851	0.11	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	527	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	4730	0.12	ng	-0.02
25) Fluoranthene-d10	19.12	212	43007	0.12	ng	-0.02
29) Terphenyl-d14	19.72	244	8414	0.13	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.54	128	108067	0.703	ng	100
12) 2-Methylnaphthalene	12.17	142	4711	0.202	ng	# 90
16) Acenaphthylene	14.07	152	30082	0.683	ng	99
17) Acenaphthene	14.41	154	1306	0.041	ng	# 77
18) Fluorene	15.39	166	12234	0.307	ng	91
22) Pentachlorophenol	16.75	266	51	0.261	ng	# 79
23) Phenanthrene	17.12	178	169282	2.493	ng	99
24) Anthracene	17.21	178	42555	0.664	ng	97
26) Fluoranthene	19.14	202	284569	3.346	ng	99
28) Pvrene	19.51	202	354712	3.540	ng	98
30) Benzo(a)anthracene	21.26	228	169518m	2.207	ng	
31) Chrysene	21.30	228	208041	1.822	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	8957m	0.070	ng	
33) Indeno(1,2,3-cd)pyrene	26.22	276	190572	2.113	ng	98
35) Benzo(b)fluoranthene	22.95	252	288491	3.295	ng	99
36) Benzo(k)fluoranthene	22.99	252	104530m	0.824	ng	
37) Benzo(a)pvrene	23.58	252	206486	2.438	ng	97
38) Dibenzo(a,h)anthracene	26.24	278	36560	0.469	ng	97
39) Benzo(g,h,i)perylene	27.01	276	224114	2.340	ng	99

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

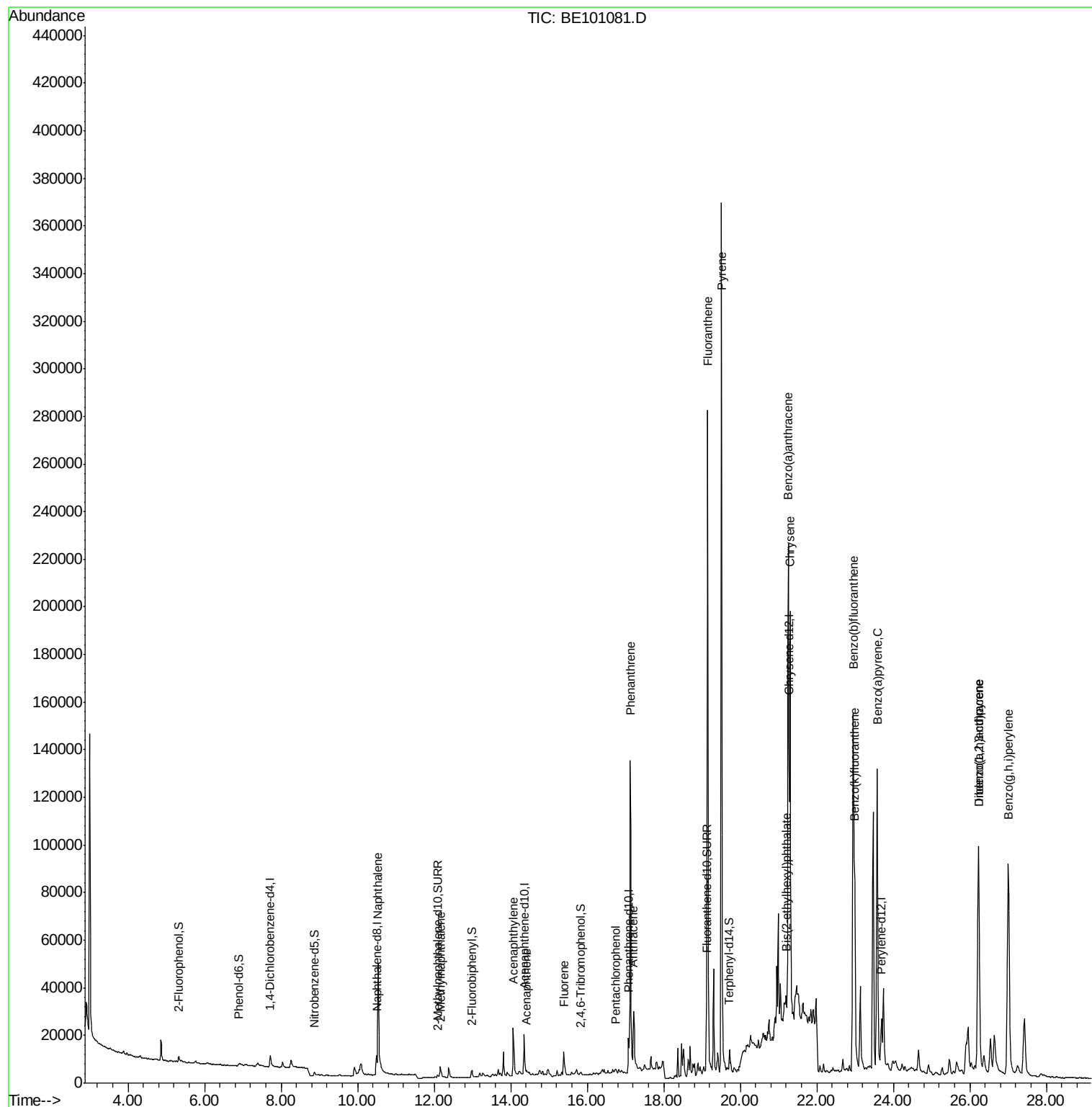
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011620\
Data File : BE101081.D
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ALS Vial : 13 Sample Multiplier: 1

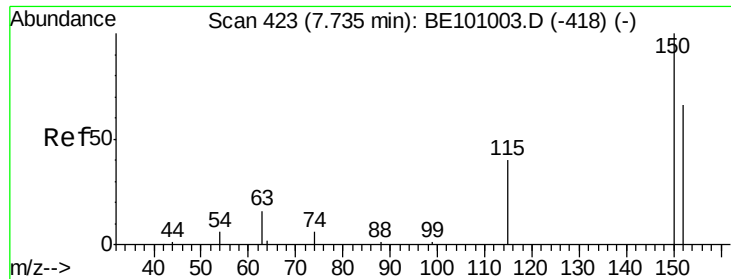
Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Manual Integrations
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Quant Time: Jan 17 10:41:14 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

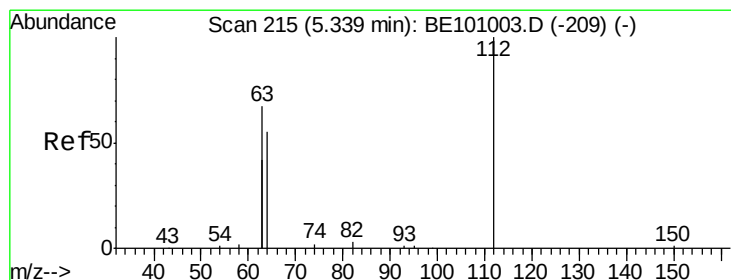
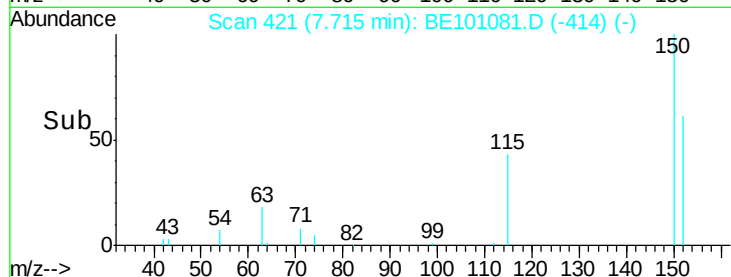
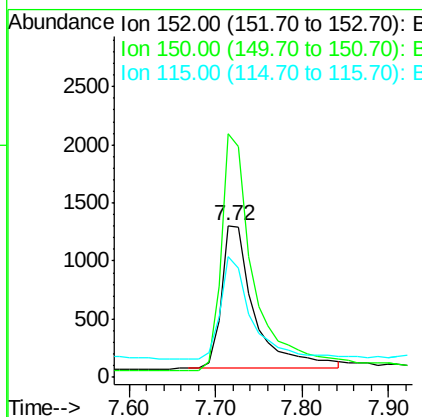
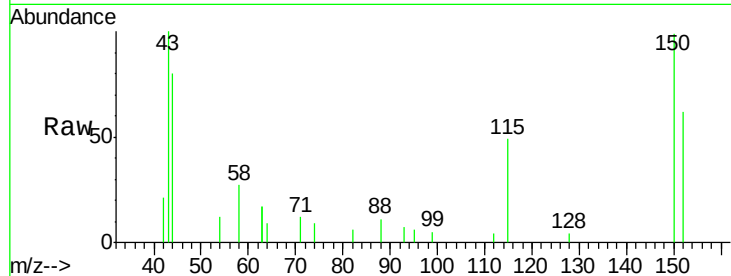
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	120.3	180.5
115	79.5	51.7	77.5

Manual Integrations
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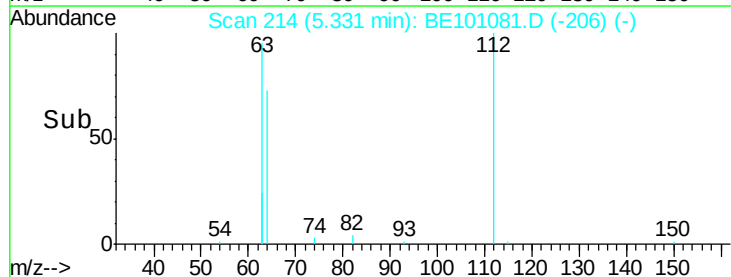
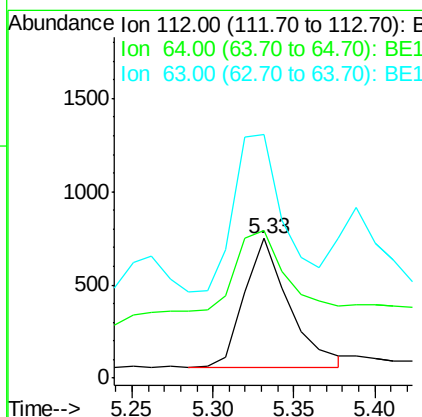
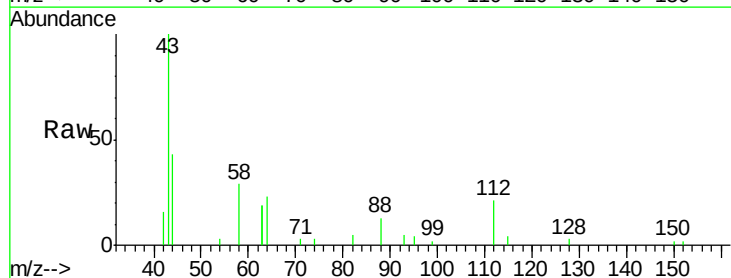
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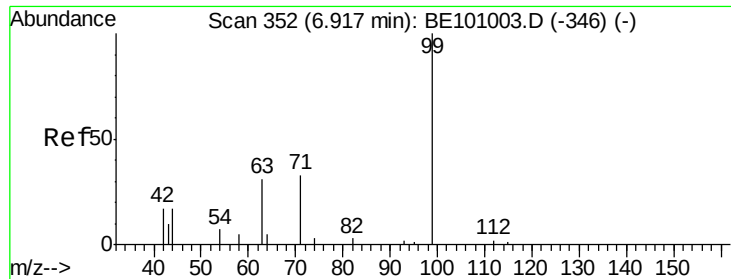


#4

2-Fluorophenol
Concen: 0.179 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.4	53.6	80.4
63	135.0	114.6	172.0





#5

Phenol-d6

Concen: 0.174 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

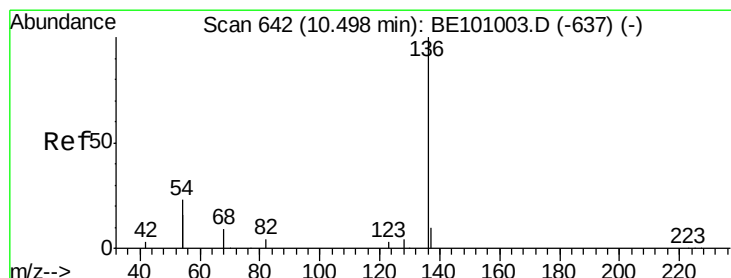
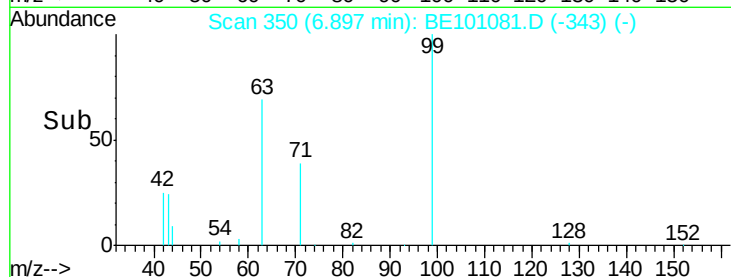
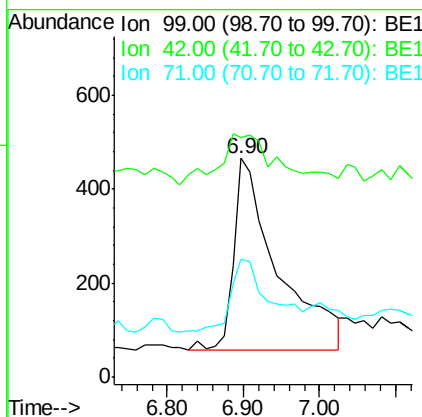
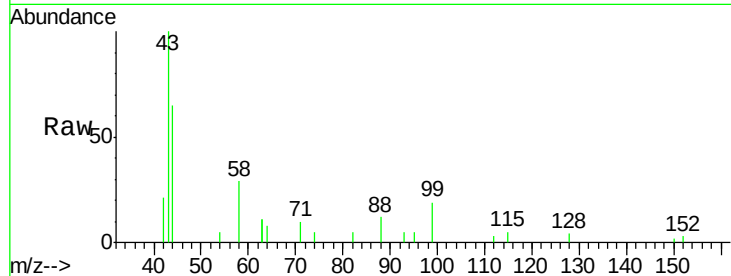
ClientSampleId :

SB-30-(3-5)

Tot Ion:	99	Resp:	1642
Ion	Ratio	Lower	Upper
99	100		
42	19.4	18.3	27.5
71	33.3	28.0	42.0

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#7

Naphthalene-d8

Concen: 0.400 ng

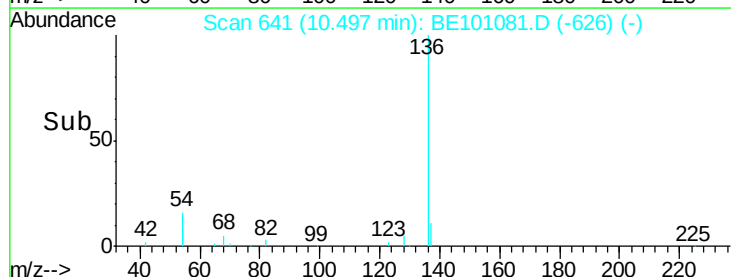
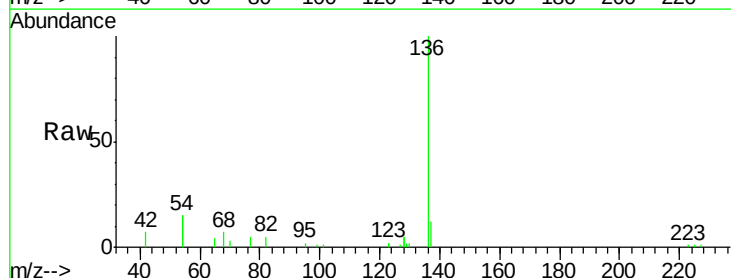
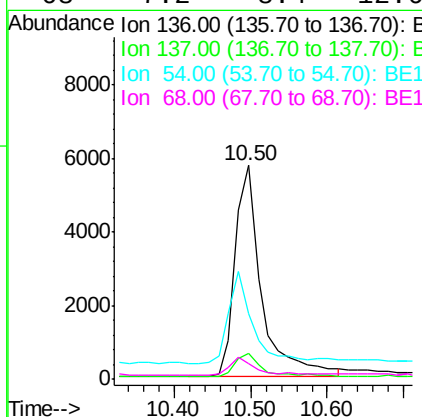
RT: 10.50 min Scan# 641

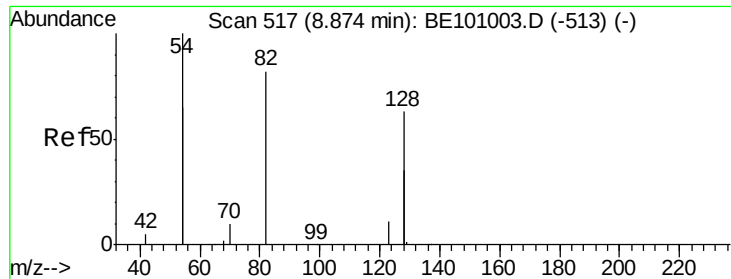
Delta R.T. -0.00 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion:	136	Resp:	13852
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.3	13.9
54	30.8	36.8	55.2#
68	7.2	8.4	12.6#





#8

Nitrobenzene-d5

Concen: 0.158 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

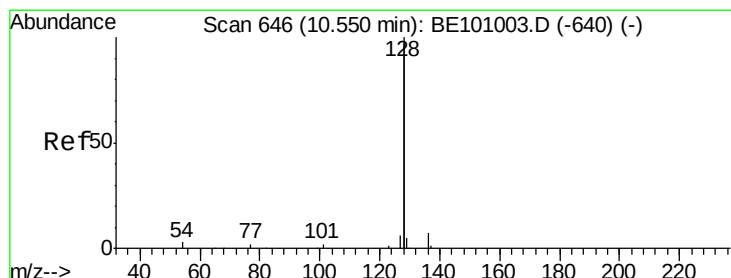
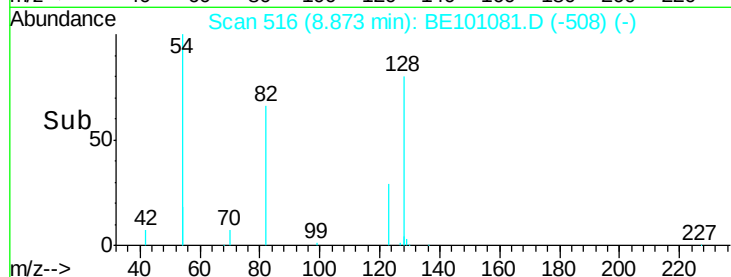
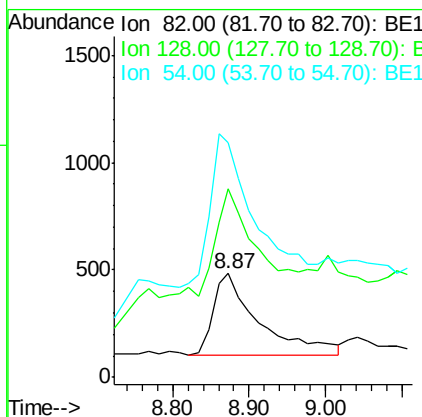
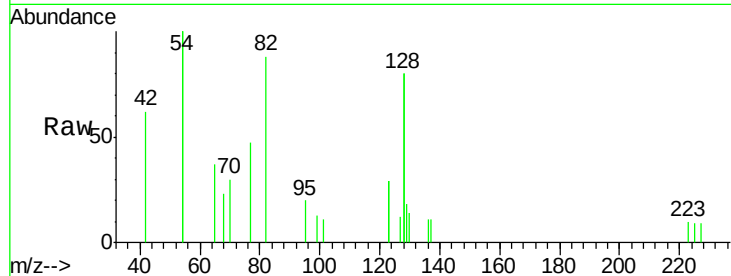
ClientSampleId :

SB-30-(3-5)

Tot Ion:	82	Resp:	1566
Ion	Ratio	Lower	Upper
82	100		
128	181.4	109.8	164.6#
54	226.4	174.5	261.7

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#9

Naphthalene

Concen: 0.703 ng

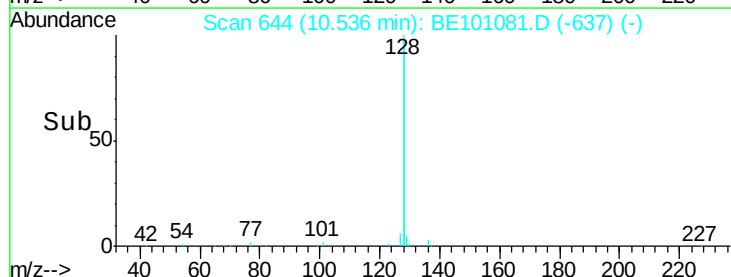
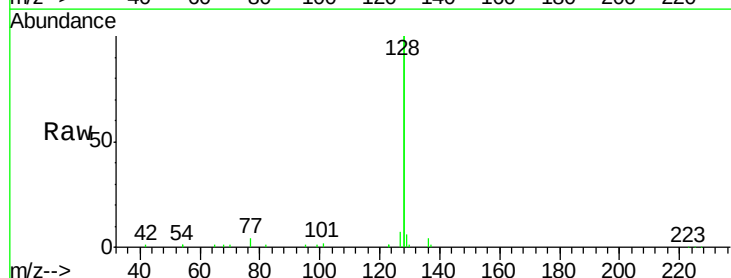
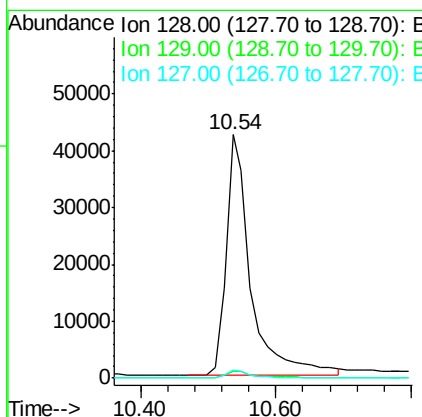
RT: 10.54 min Scan# 644

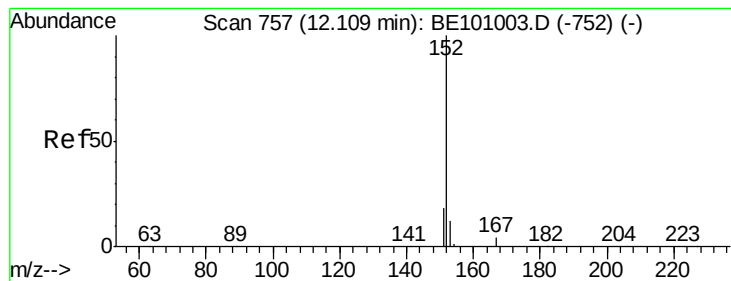
Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion:	128	Resp:	108067
Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.4	2.7	4.1





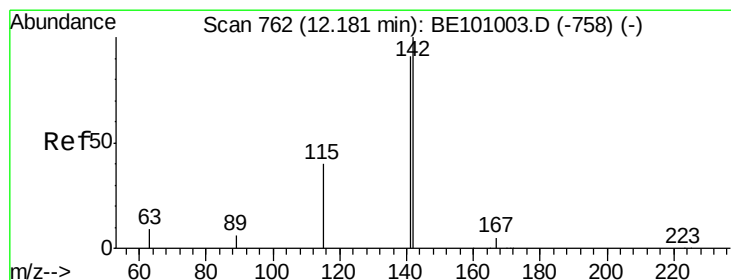
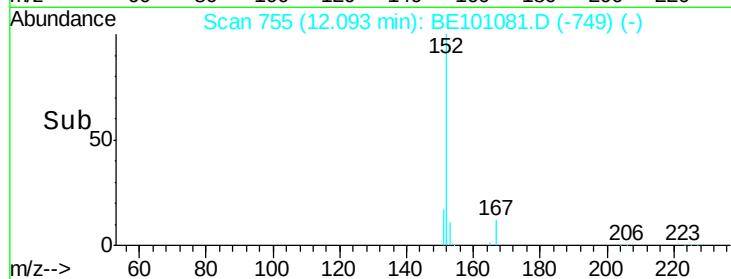
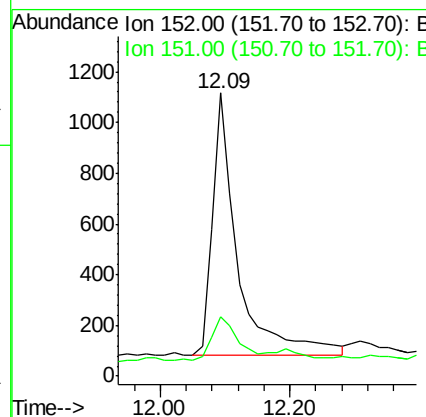
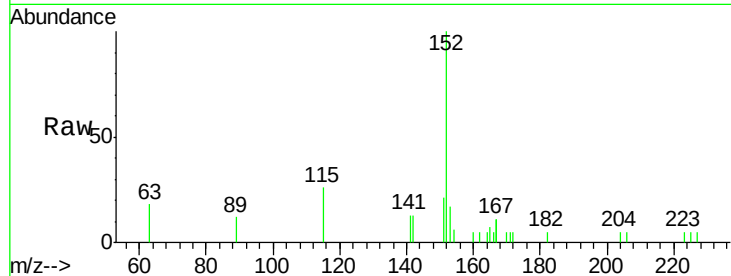
#11
2-Methylnaphthalene-d10
Concen: 0.108 ng
RT: 12.09 min Scan# 755
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.8	15.0	22.6

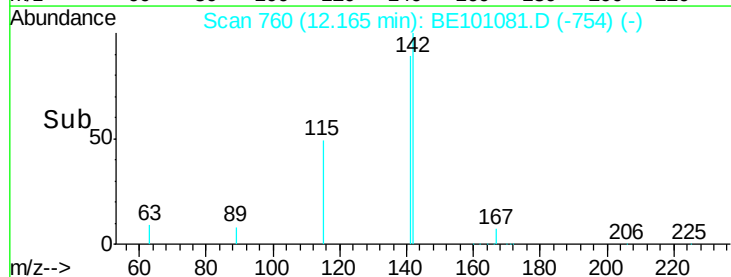
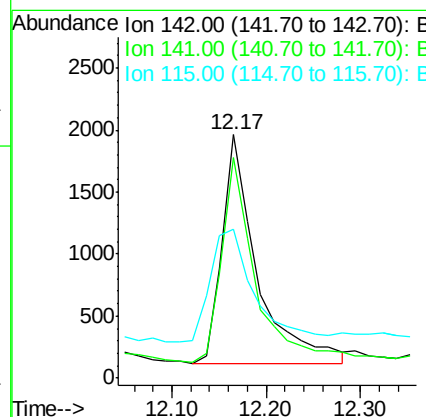
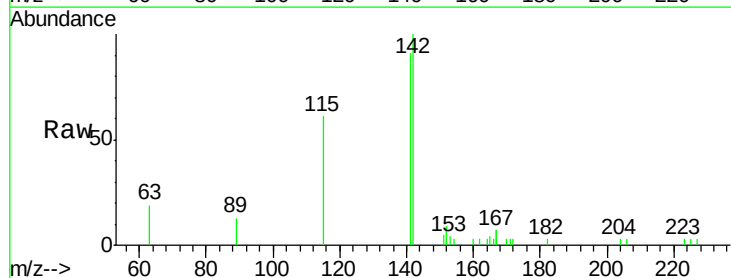
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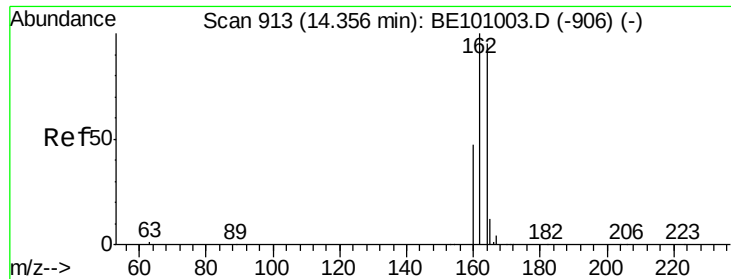
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#12
2-Methylnaphthalene
Concen: 0.202 ng
RT: 12.17 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.5	108.7
115	61.3	33.0	49.6#





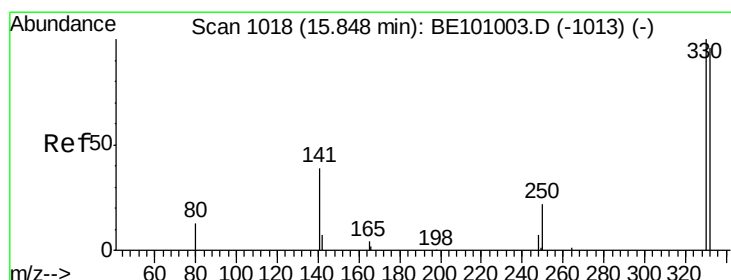
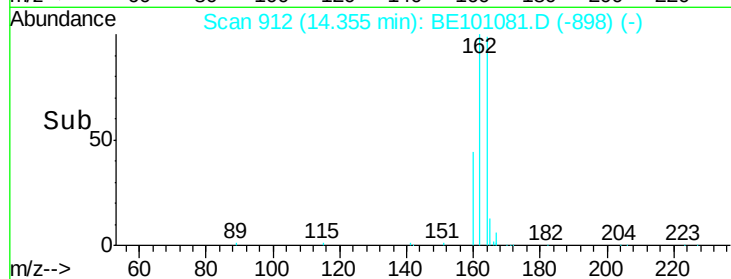
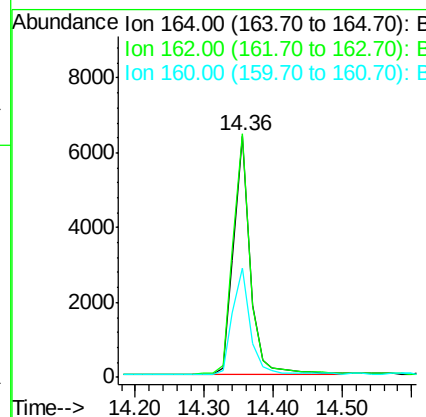
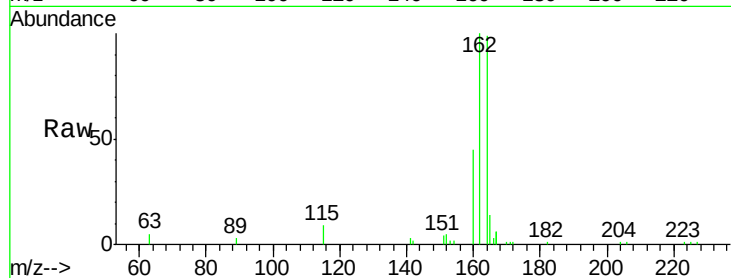
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.36 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE101081.D
 Acq: 16 Jan 2020 18:28

Instrument :
 BNA_E
 ClientSampleId :
 SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.0	84.1	126.1
160	45.1	40.4	60.6

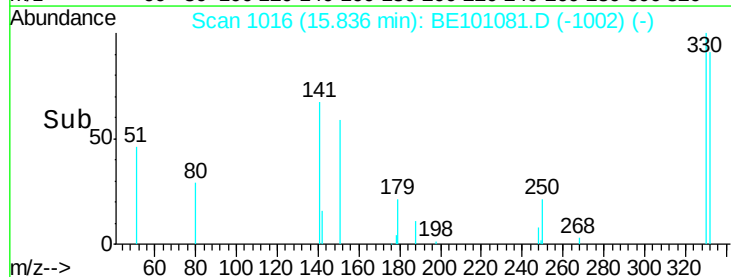
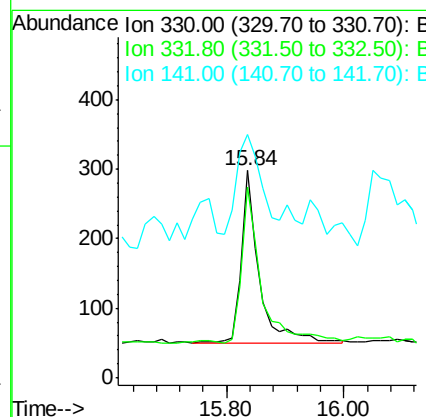
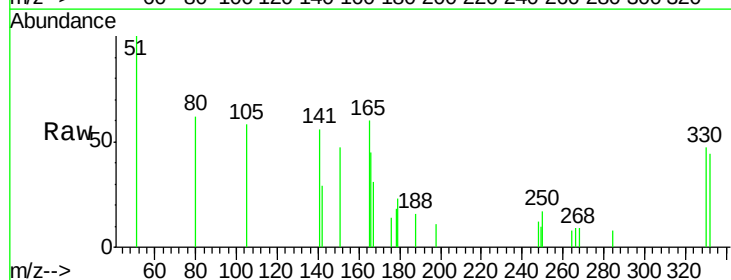
Manual Integrations
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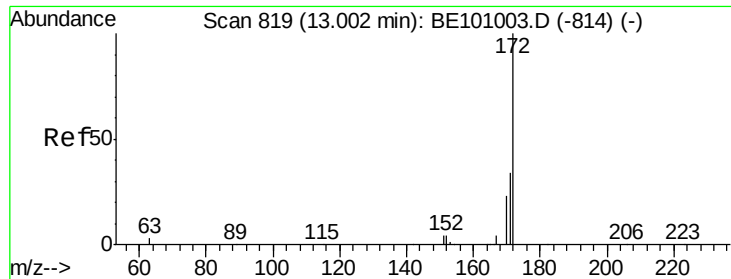
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#14
 2,4,6-Tribromophenol
 Concen: 0.173 ng
 RT: 15.84 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BE101081.D
 Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.6	78.4	117.6
141	80.3	37.0	55.4#





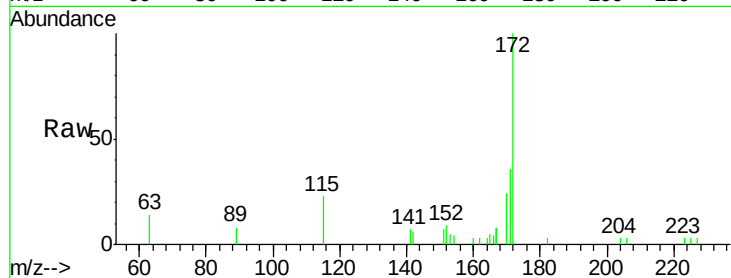
#15
2-Fluorobiphenyl
Concen: 0.115 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.2	42.2
170	24.4	18.9	28.3

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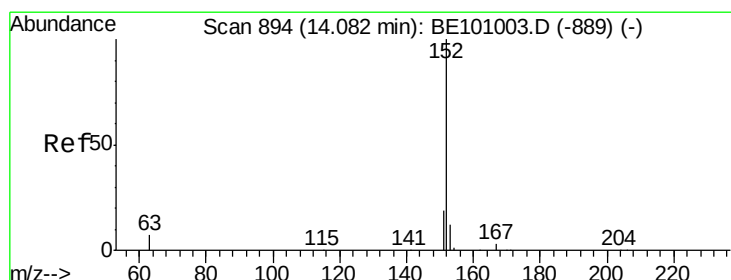
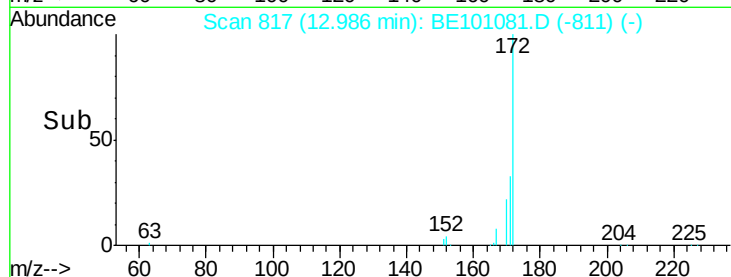
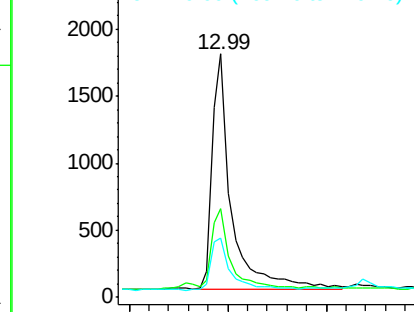


Abundance

Ion 172.00 (171.70 to 172.70): E

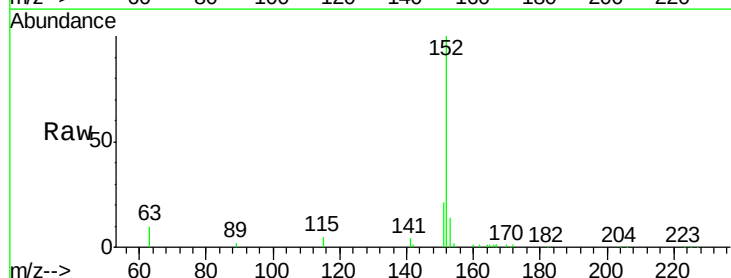
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.683 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.3	10.4	15.6

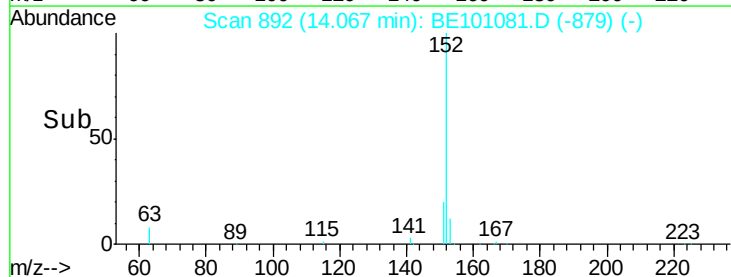
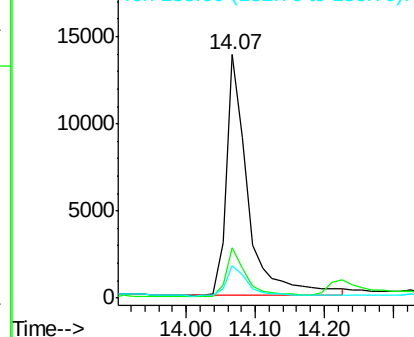


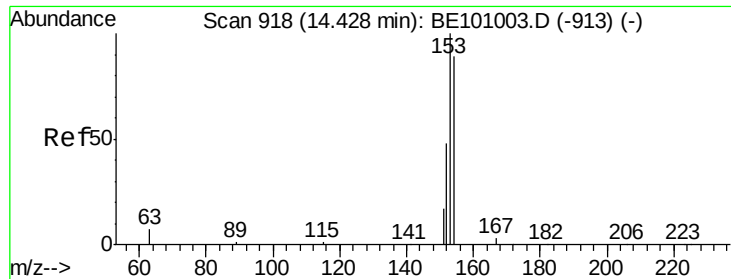
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





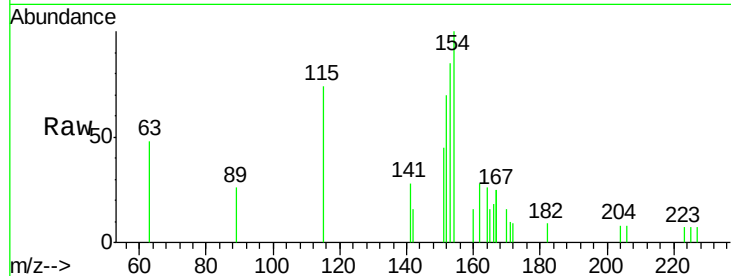
#17
Acenaphthene
Concen: 0.041 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
154	100		
153	79.8	93.6	140.4#
152	57.7	46.3	69.5

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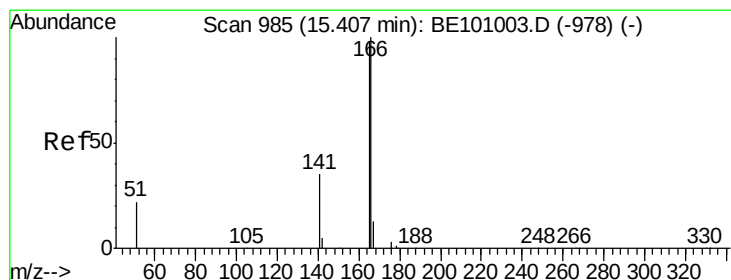
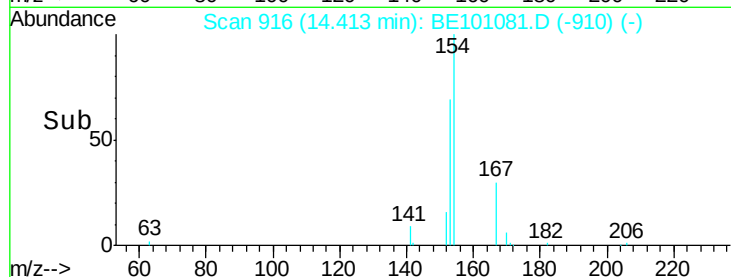
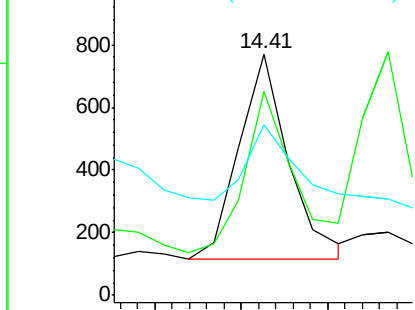


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.307 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

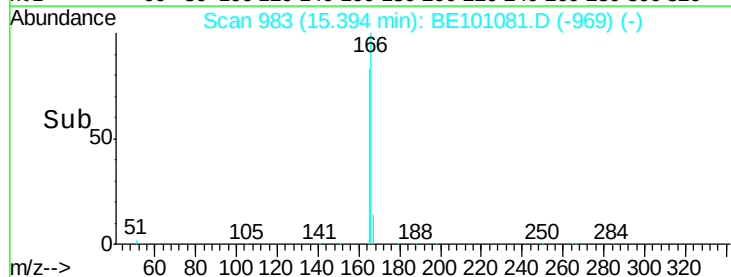
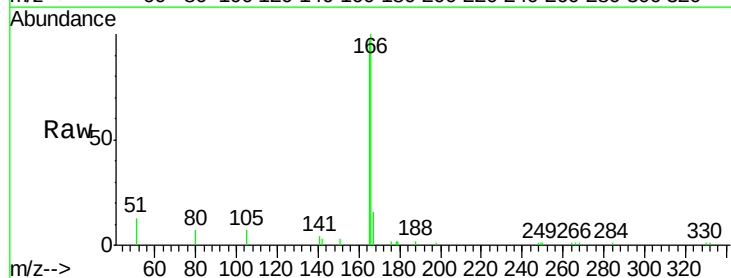
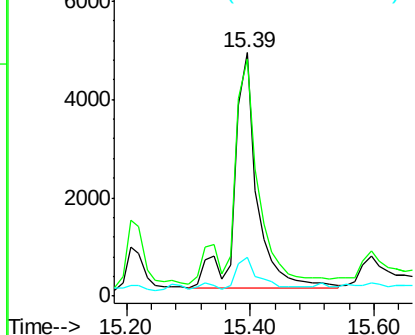
Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.1	79.8	119.8
167	12.5	11.0	16.6

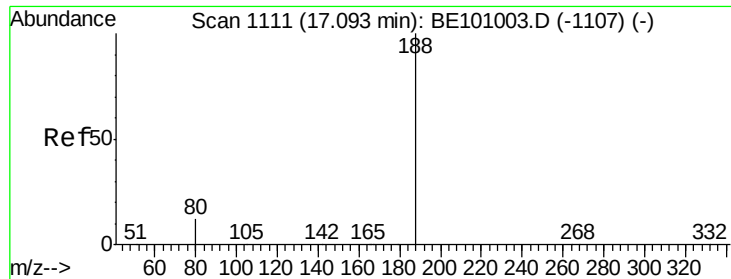
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





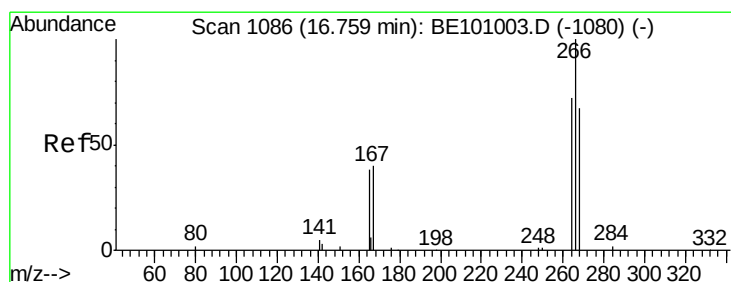
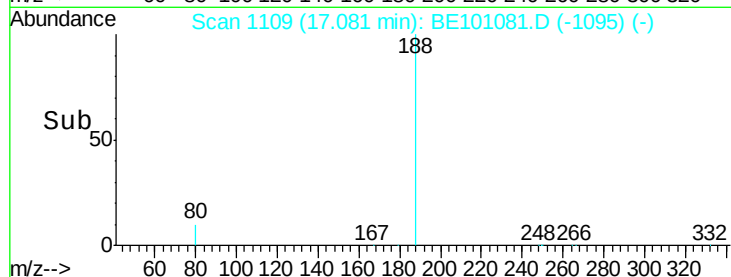
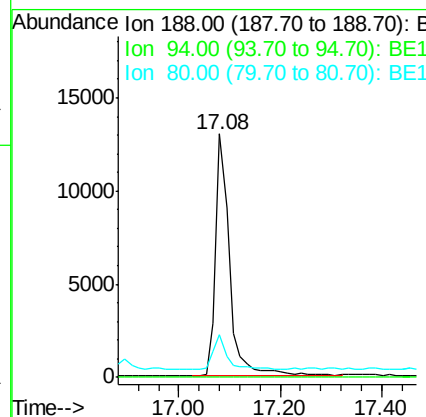
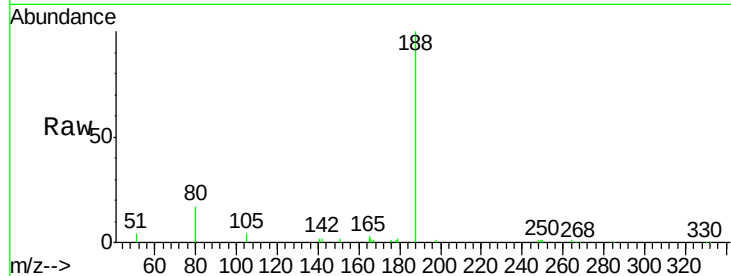
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	24867		
94	0.0	0.0	0.0	0.0
80	17.3	10.8	16.2	

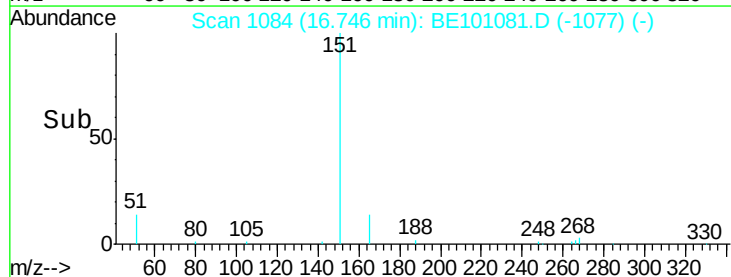
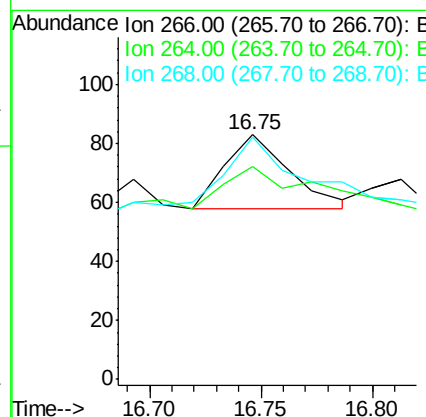
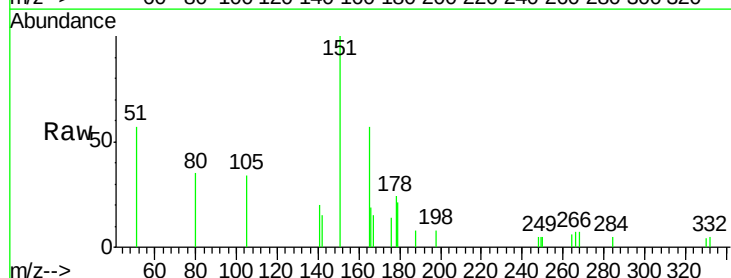
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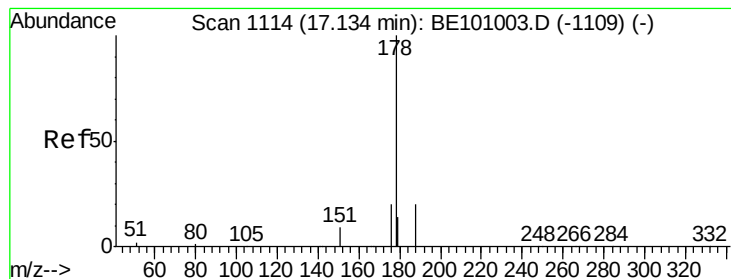
mohammad
1/17/2020 2:10:45 PM



#22
Pentachlorophenol
Concen: 0.261 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.01 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	51		
264	86.7	61.0	91.4	
268	98.8	58.5	87.7	





#23

Phenanthrene

Concen: 2.493 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

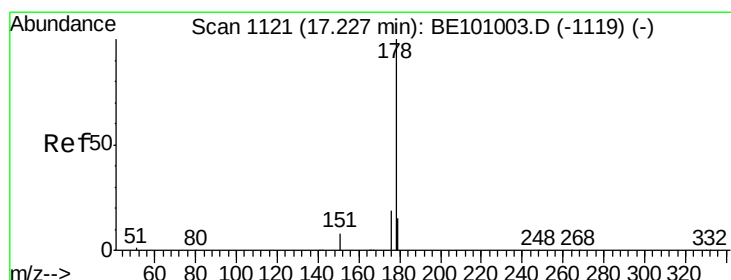
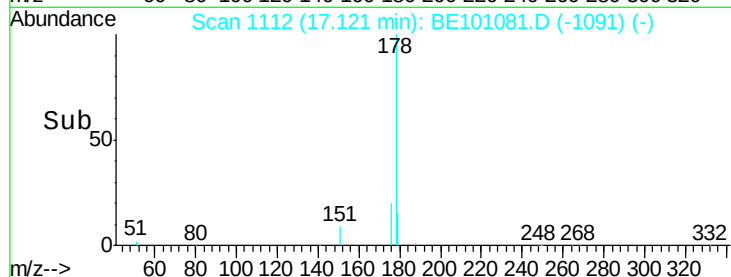
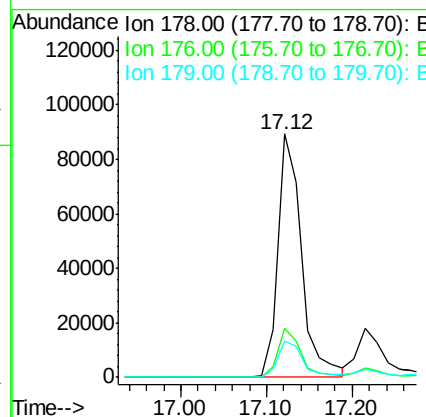
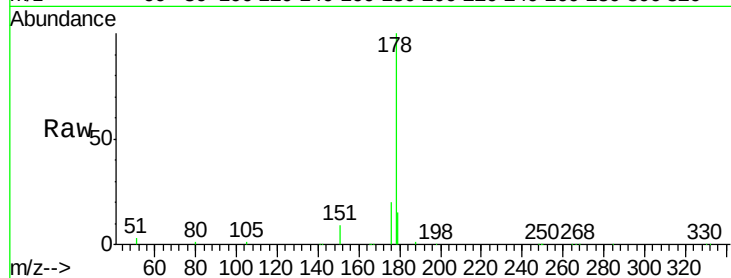
ClientSampleId :

SB-30-(3-5)

Tot Ion:178	Resp:	169282
Ion Ratio	Lower	Upper
178	100	
176	19.3	15.7 23.5
179	15.3	12.0 18.0

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#24

Anthracene

Concen: 0.664 ng

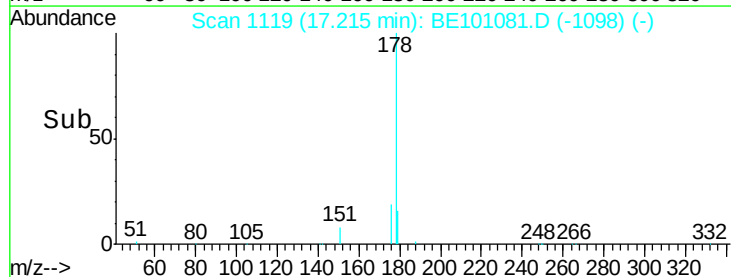
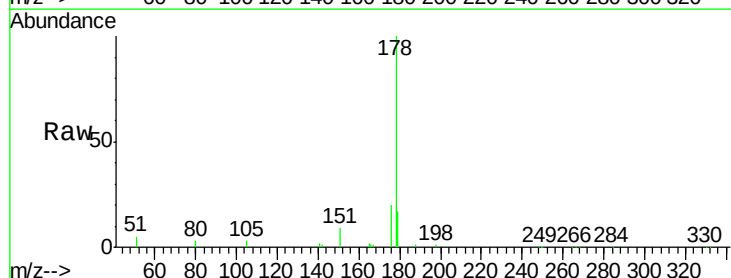
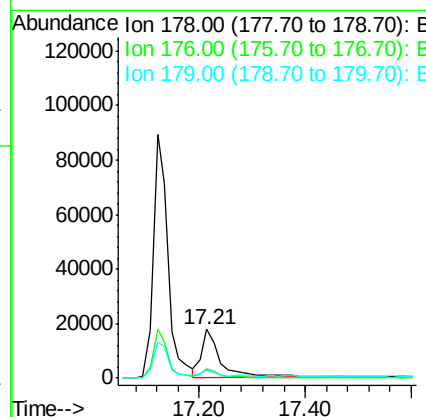
RT: 17.21 min Scan# 1119

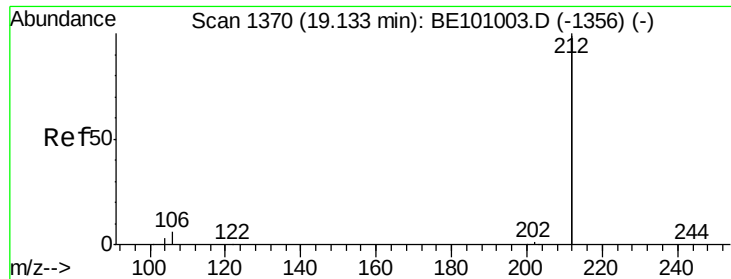
Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion:178	Resp:	42555
Ion Ratio	Lower	Upper
178	100	
176	16.6	14.8 22.2
179	14.5	12.4 18.6





#25

Fluoranthene-d10

Concen: 0.125 ng

RT: 19.12 min Scan# 1366

Delta R.T. -0.02 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

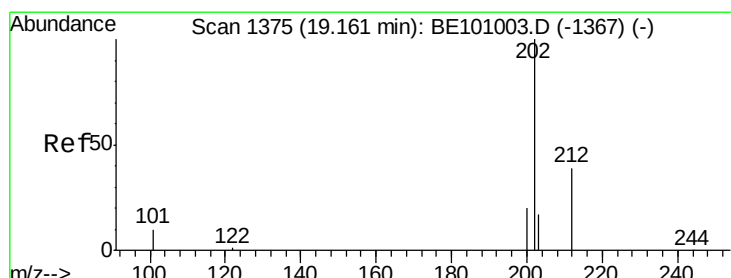
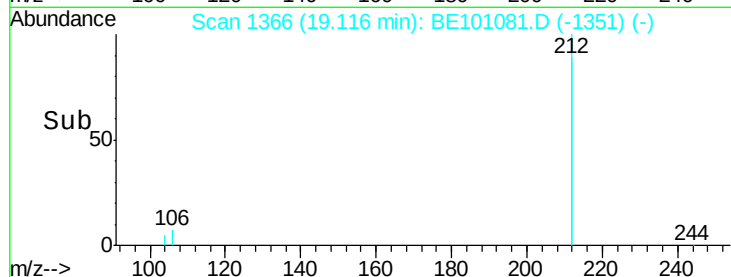
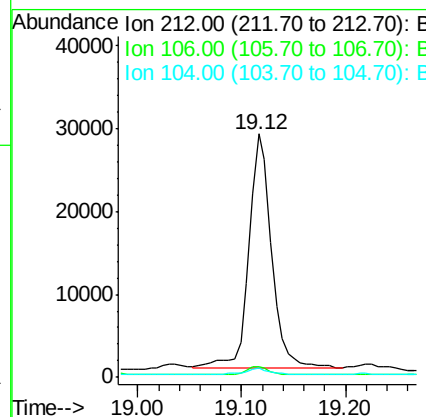
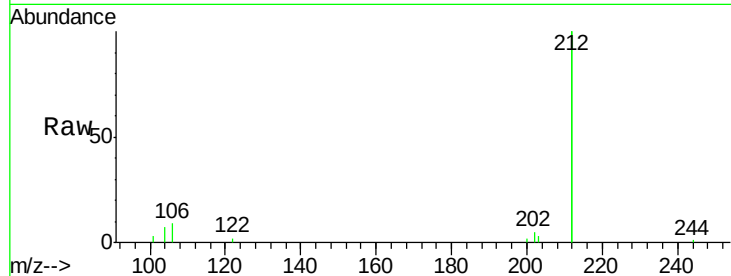
ClientSampleId :

SB-30-(3-5)

Tot Ion:	212	Resp:	43007
Ion Ratio	Lower	Upper	
212	100		
106	3.6	2.6	3.8
104	3.4	1.4	2.0

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#26

Fluoranthene

Concen: 3.346 ng

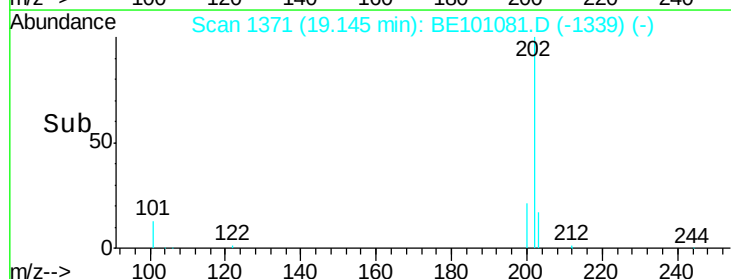
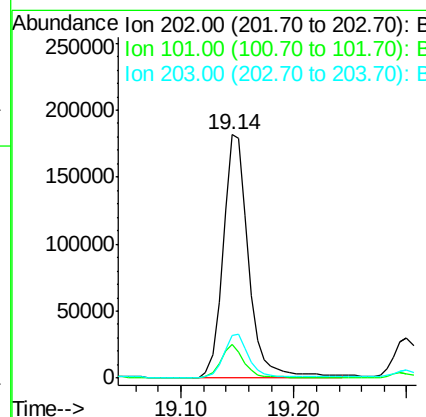
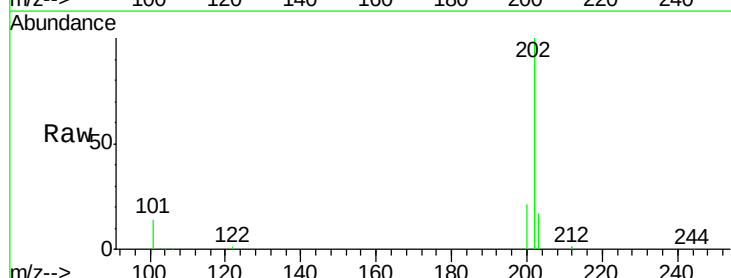
RT: 19.14 min Scan# 1371

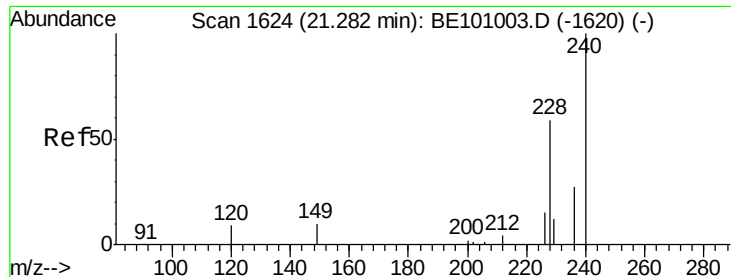
Delta R.T. -0.02 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion:	202	Resp:	284569
Ion Ratio	Lower	Upper	
202	100		
101	12.6	9.6	14.4
203	17.3	13.8	20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

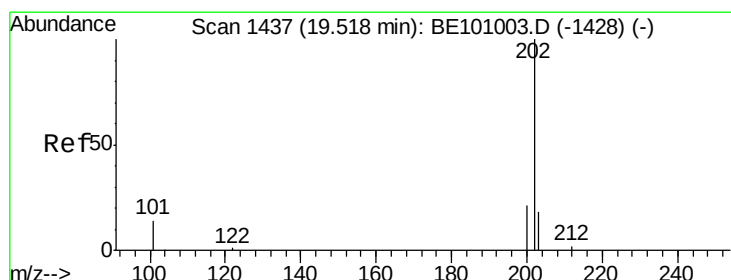
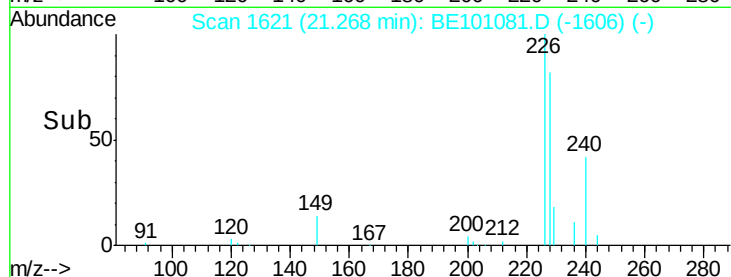
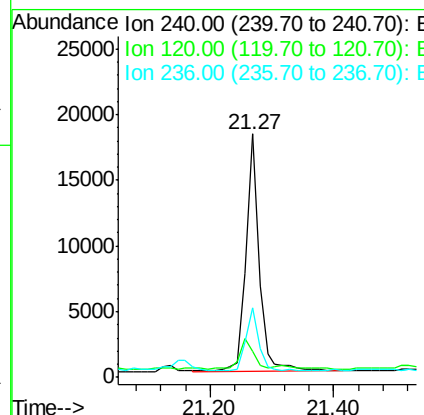
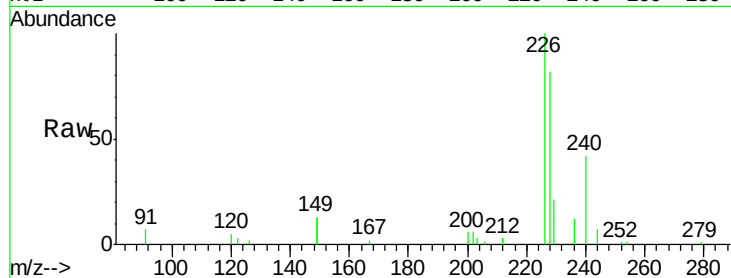
ClientSampleId :

SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	28.6	22.2	33.4

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#28

Pyrene

Concen: 3.540 ng

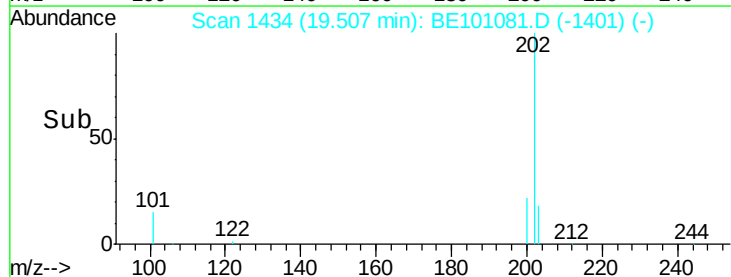
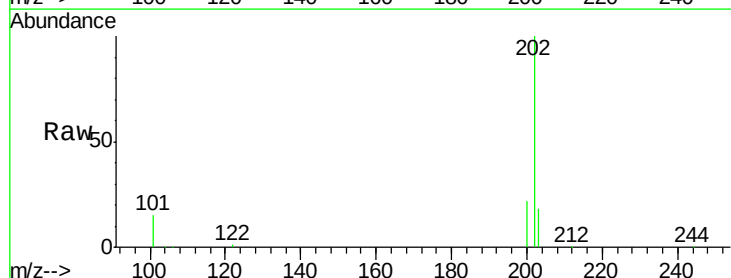
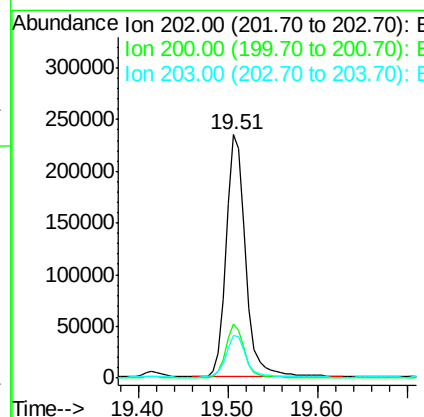
RT: 19.51 min Scan# 1434

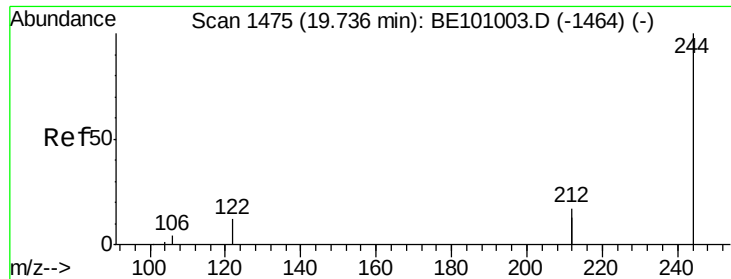
Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	18.5	13.8	20.6





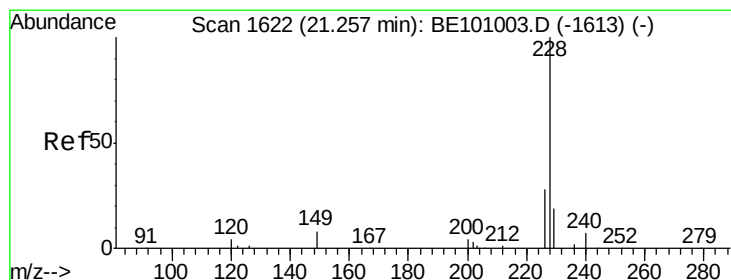
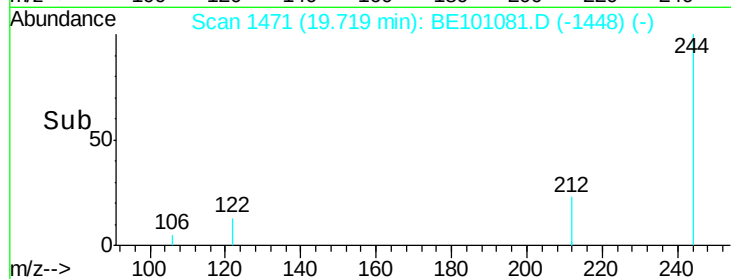
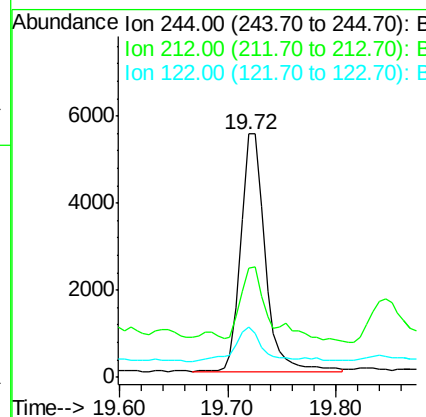
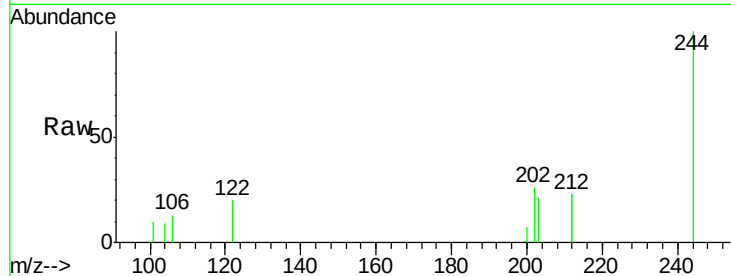
#29
 Terphenyl-d14
 Concen: 0.127 ng
 RT: 19.72 min Scan# 1471
 Delta R.T. -0.02 min
 Lab File: BE101081.D
 Acq: 16 Jan 2020 18:28

Instrument :
 BNA_E
 ClientSampleId :
 SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	45.1	27.2	40.8#
122	20.5	9.8	14.8#

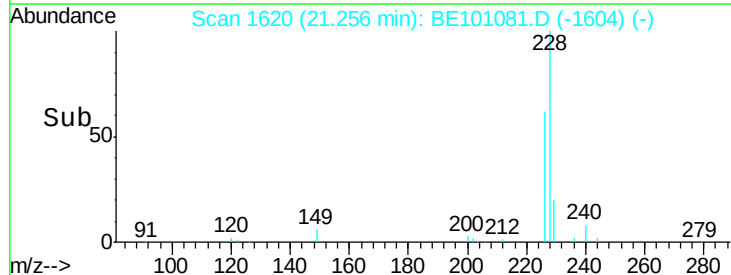
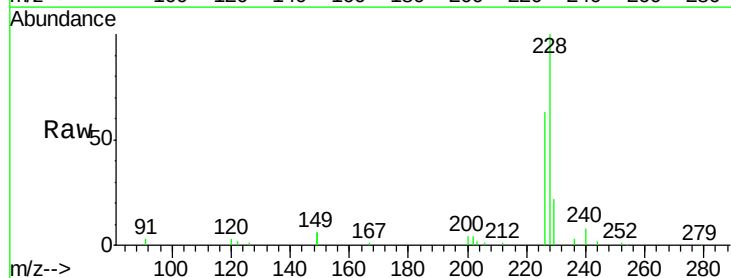
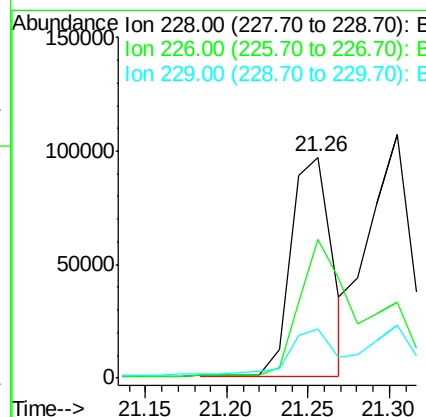
Manual Integrations
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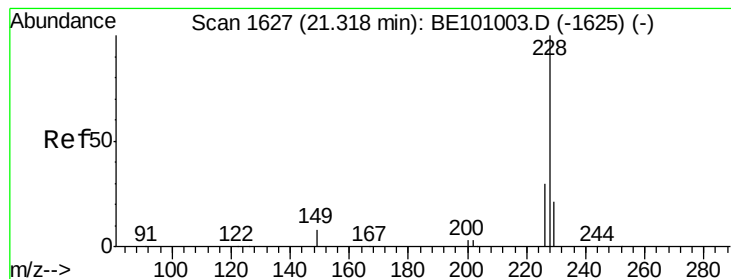
mohammad
 1/17/2020 2:10:45 PM



#30
 Benzo(a)anthracene
 Concen: 2.207 ng m
 RT: 21.26 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BE101081.D
 Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	63.1	22.7	34.1#
229	22.3	15.5	23.3





#31

Chrysene

Concen: 1.822 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

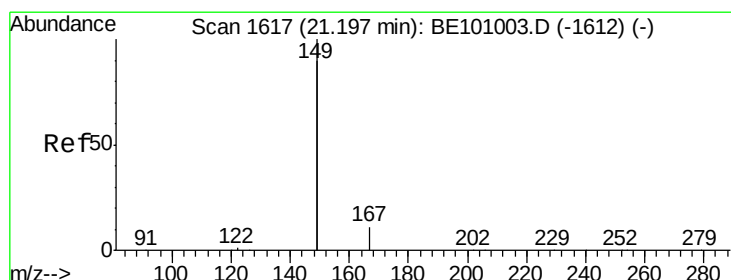
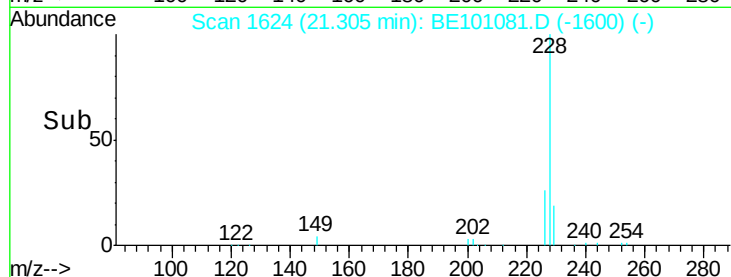
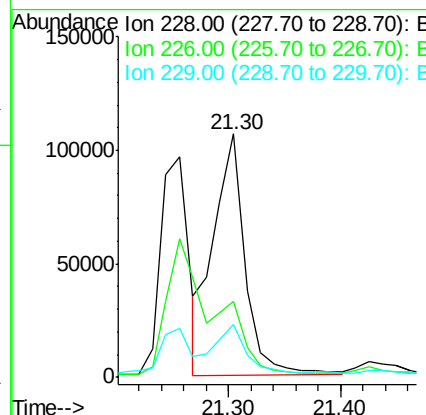
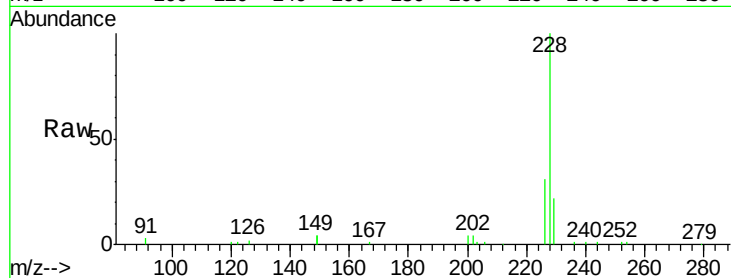
ClientSampled :

SB-30-(3-5)

Tot Ion:	228	Resp:	208041
Ion Ratio	Lower	Upper	
228	100		
226	31.4	23.5	35.3
229	21.9	16.7	25.1

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1/17/2020 2:10:45 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.070 ng m

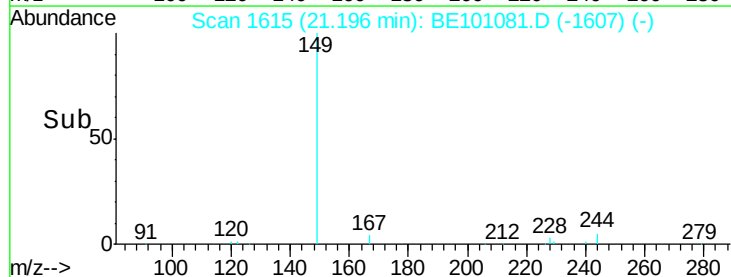
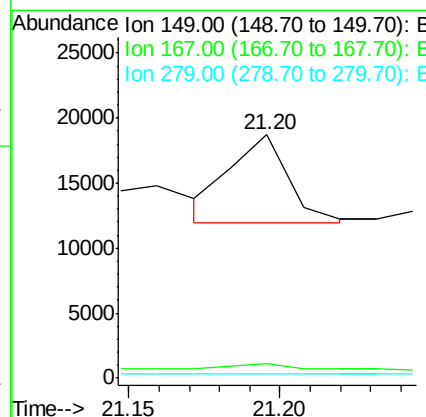
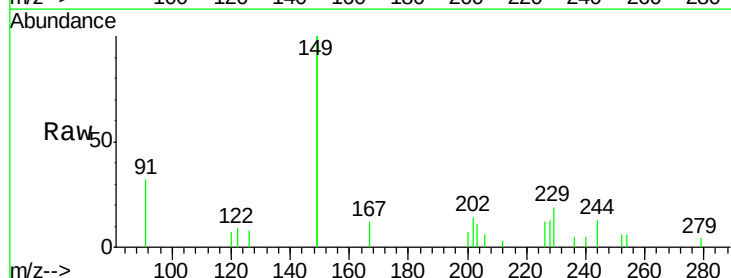
RT: 21.20 min Scan# 1615

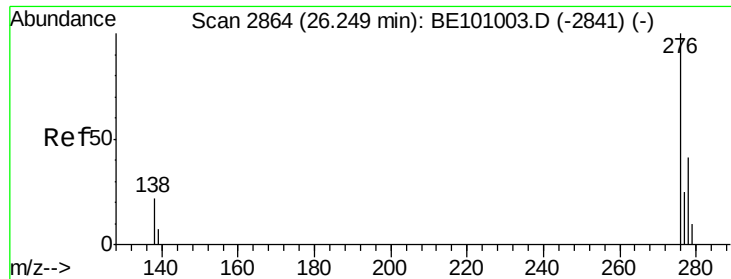
Delta R.T. -0.00 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Tgt Ion:	149	Resp:	8957
Ion Ratio	Lower	Upper	
149	100		
167	6.9	5.2	7.8
279	2.5	0.8	1.2#





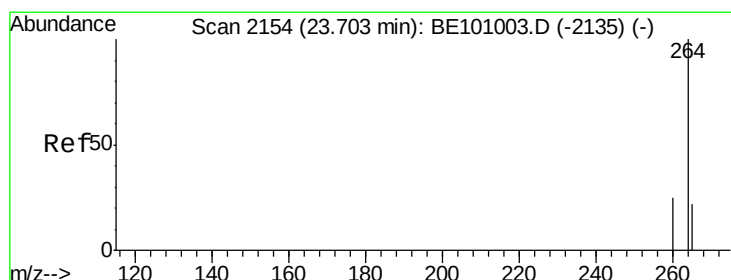
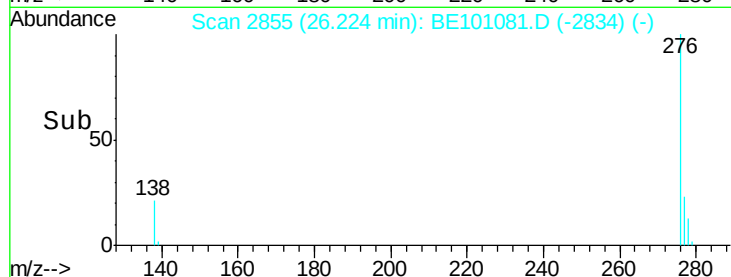
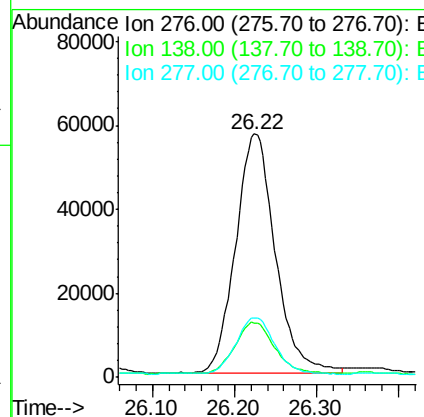
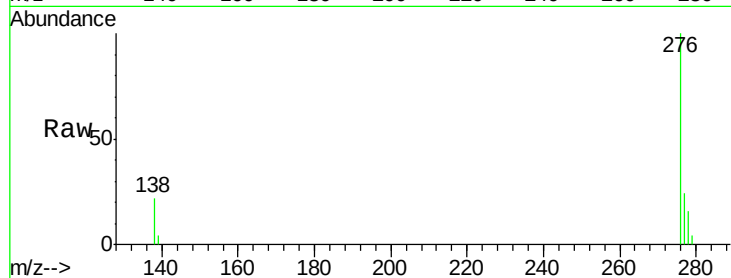
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.113 ng
RT: 26.22 min Scan# 2855
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	190572		
138	21.5		16.1	24.1
277	22.9		18.1	27.1

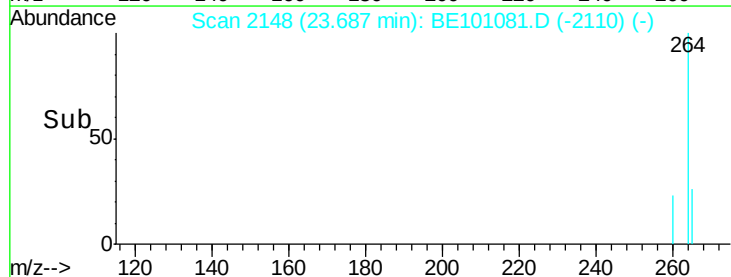
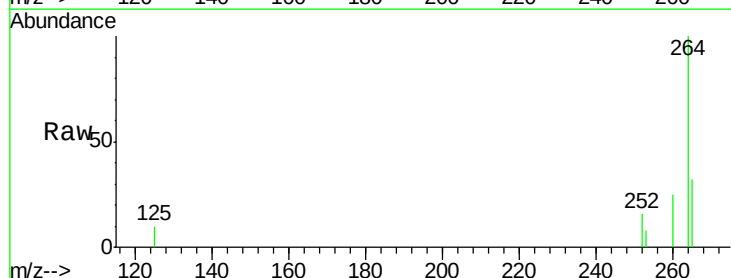
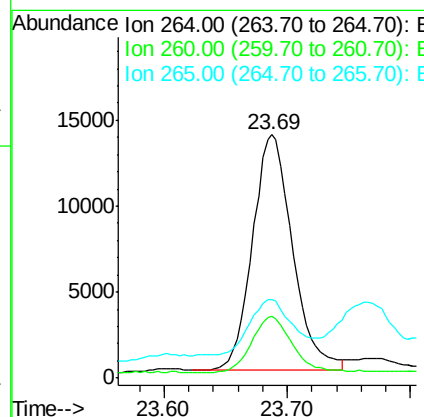
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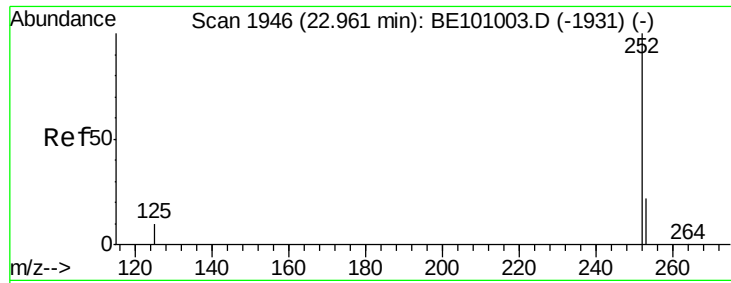
mohammad
1/17/2020 2:10:45 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2148
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	31217		
260	25.4		20.3	30.5
265	32.2		27.0	40.4





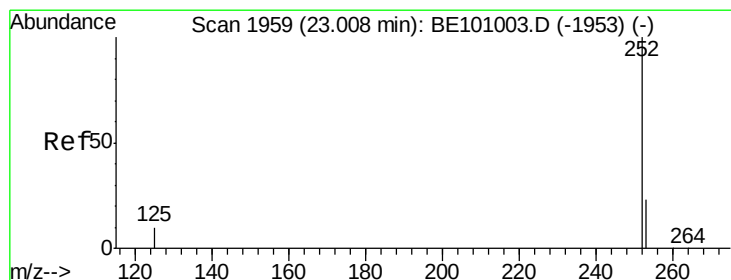
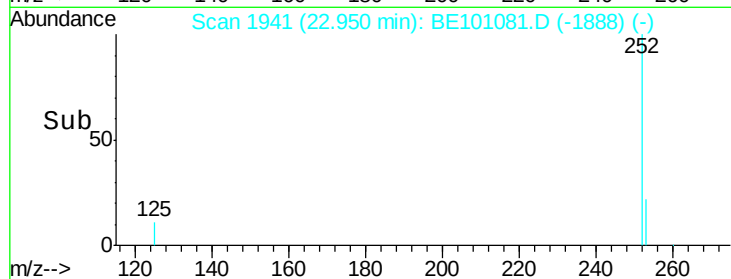
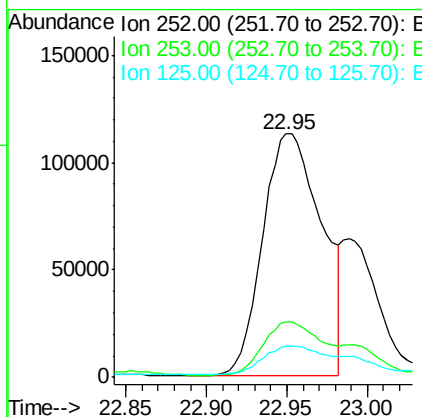
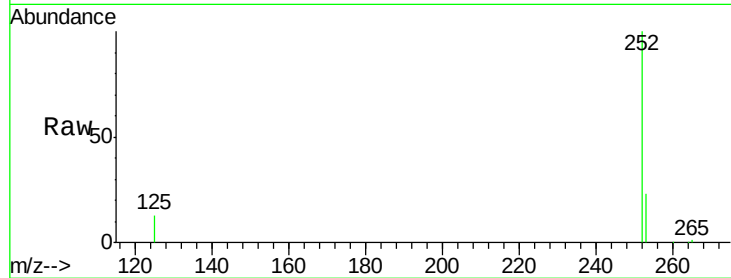
#35
Benzo(b)fluoranthene
Concen: 3.295 ng
RT: 22.95 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampled :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	12.7	9.5	14.3

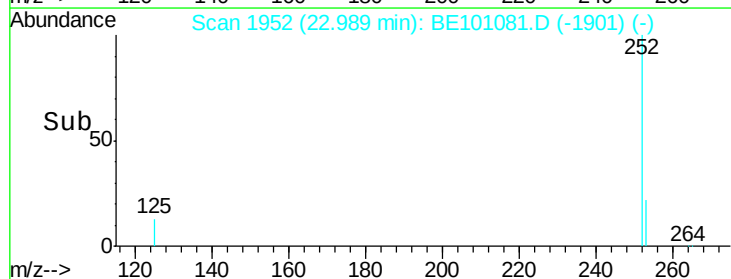
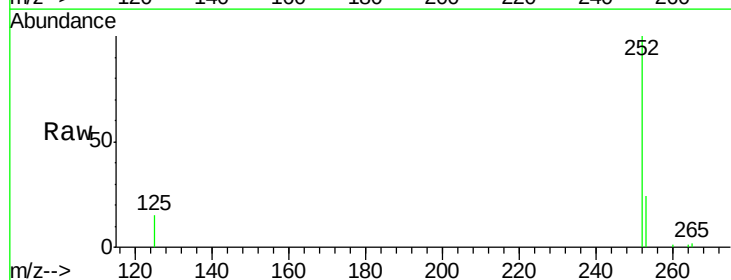
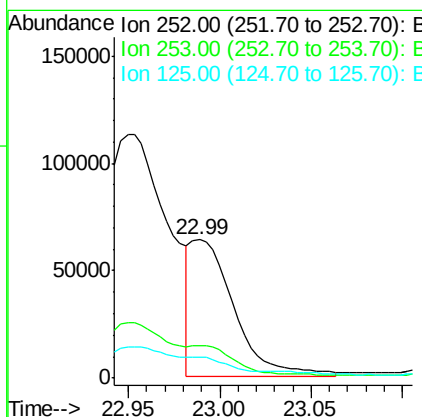
Manual Integrations
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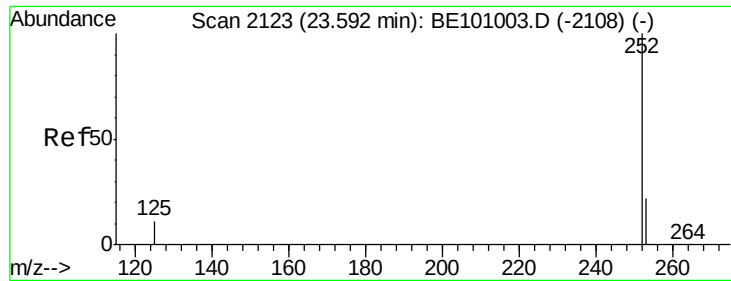
mohammad
1/17/2020 2:10:45 PM



#36
Benzo(k)fluoranthene
Concen: 0.824 ng m
RT: 22.99 min Scan# 1952
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	15.0	10.1	15.1





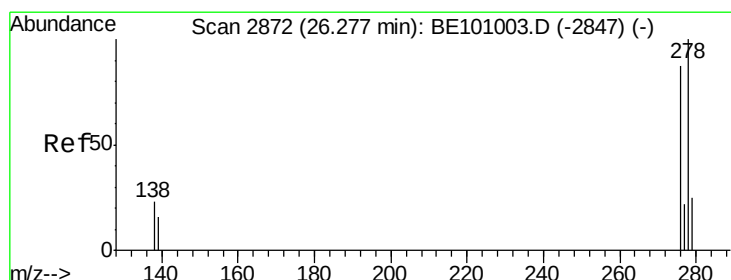
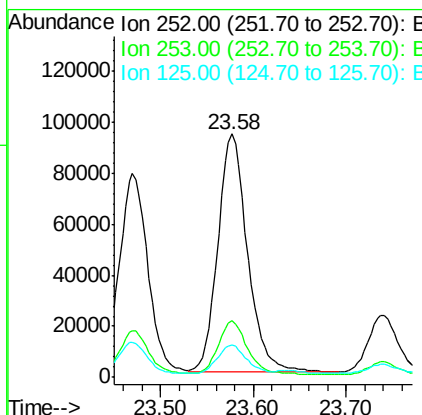
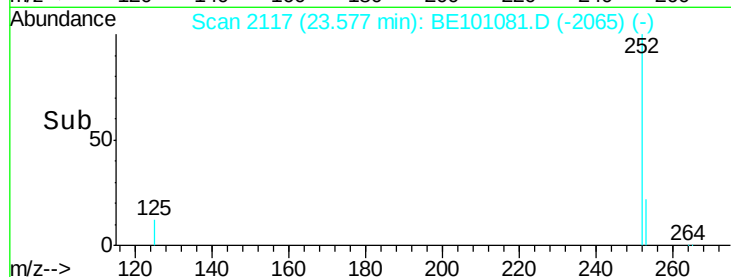
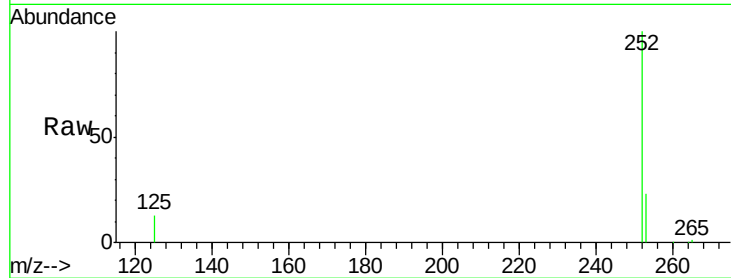
#37
Benzo(a)pyrene
Concen: 2.438 ng
RT: 23.58 min Scan# 2117
Delta R.T. -0.02 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Instrument :
BNA_E
ClientSampleId :
SB-30-(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.4	29.2
125	13.4	11.8	17.6

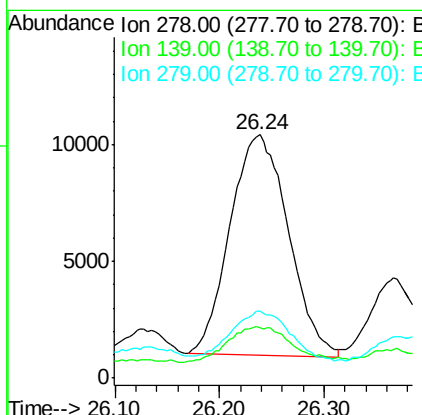
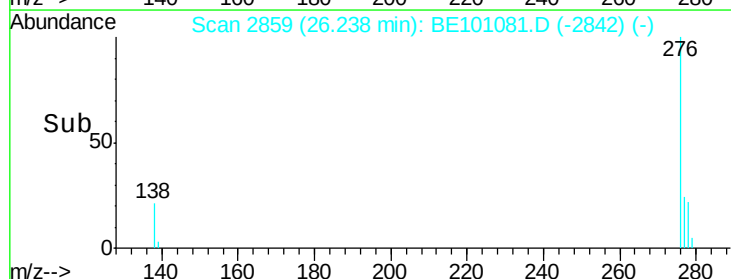
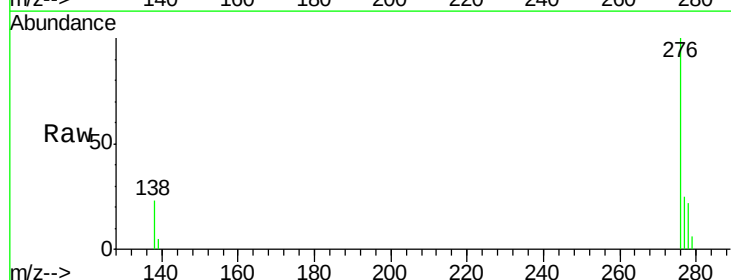
Manual Integrations
APPROVED

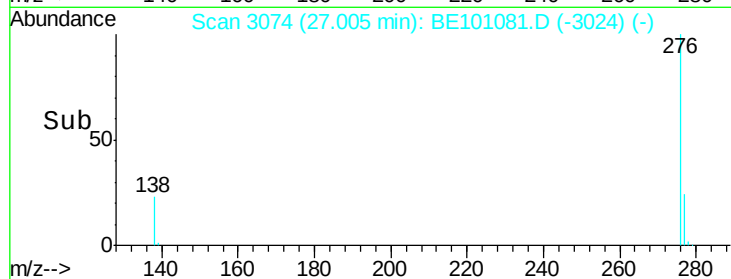
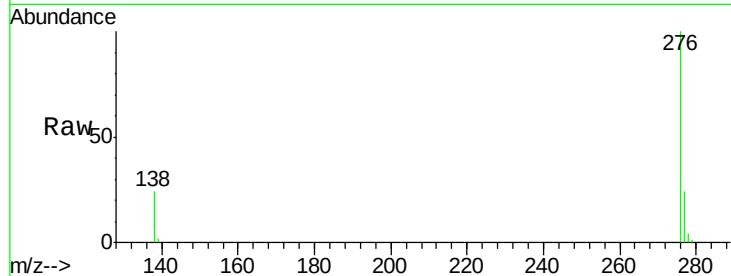
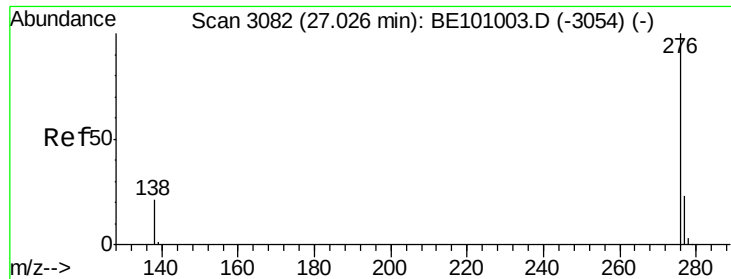
mohammad
1/17/2020 2:10:45 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.469 ng
RT: 26.24 min Scan# 2859
Delta R.T. -0.04 min
Lab File: BE101081.D
Acq: 16 Jan 2020 18:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	15.0	22.4
279	27.6	22.6	33.8





#39

Benzo(a,h,i)perylene

Concen: 2.340 ng

RT: 27.01 min Scan# 3074

Delta R.T. -0.02 min

Lab File: BE101081.D

Acq: 16 Jan 2020 18:28

Instrument :

BNA_E

ClientSampleId :

SB-30-(3-5)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	224114		
277	24.2		19.4	29.2
138	23.7		17.9	26.9

Manual Integrations
APPROVED

mohammad
1/17/2020 2:10:45 PM

