

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
 Data File : BE100145.D
 Acq On : 21 Jun 2019 20:30
 Operator : JU/SJ
 Sample : K3428-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319

Manual Integrations
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mohammad
 6/25/2019 3:21:23 PM

Quant Time: Jun 24 07:02:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jun 19 15:07:24 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	609	0.40	ng	0.00
7) Naphthalene-d8	10.52	136	2390	0.40	ng	-0.01
13) Acenaphthene-d10	14.40	164	2229	0.40	ng	-0.01
19) Phenanthrene-d10	17.15	188	7039	0.40	ng	-0.01
27) Chrysene-d12	21.34	240	10757	0.40	ng	0.00
34) Perylene-d12	23.83	264	12534	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.29	112	530	0.42	ng	0.00
5) Phenol-d6	6.91	99	688	0.40	ng	-0.02
8) Nitrobenzene-d5	8.90	82	777	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.12	152	114m	0.03	ng	-0.03
14) 2,4,6-Tribromophenol	15.89	330	516	0.42	ng	-0.03
15) 2-Fluorobiphenyl	13.02	172	2161	0.25	ng	-0.03
25) Fluoranthene-d10	19.19	212	2333	0.02	ng	-0.01
29) Terphenyl-d14	19.78	244	5401	0.25	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.58	128	15706	0.605	ng	99
12) 2-Methylnaphthalene	12.21	142	4111	0.963	ng	95
16) Acenaphthylene	14.13	152	30183	2.853	ng	98
17) Acenaphthene	14.47	154	3626	0.613	ng	97
18) Fluorene	15.45	166	12324	1.399	ng	# 84
22) Pentachlorophenol	16.80	266	59	0.282	ng	97
23) Phenanthrene	17.19	178	291000	17.255	ng	99
24) Anthracene	17.28	178	21347	1.501	ng	99
26) Fluoranthene	19.22	202	395888	14.623	ng	98
28) Pvrene	19.58	202	614122	22.212	ng	96
30) Benzo(a)anthracene	21.32	228	276194	8.631	ng	96
31) Chrysene	21.38	228	369815	9.946	ng	96
32) Bis(2-ethylhexyl)phthalate	21.24	149	18399	0.609	ng	98
33) Indeno(1,2,3-cd)pyrene	26.47	276	142115	3.397	ng	# 96
35) Benzo(b)fluoranthene	23.06	252	269750	7.334	ng	# 98
36) Benzo(k)fluoranthene	23.11	252	92119m	2.202	ng	
37) Benzo(a)pvrene	23.72	252	223800m	6.304	ng	
38) Dibenzo(a,h)anthracene	26.48	278	42262	1.161	ng	# 91
39) Benzo(g,h,i)perylene	27.28	276	166741	4.409	ng	# 95

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

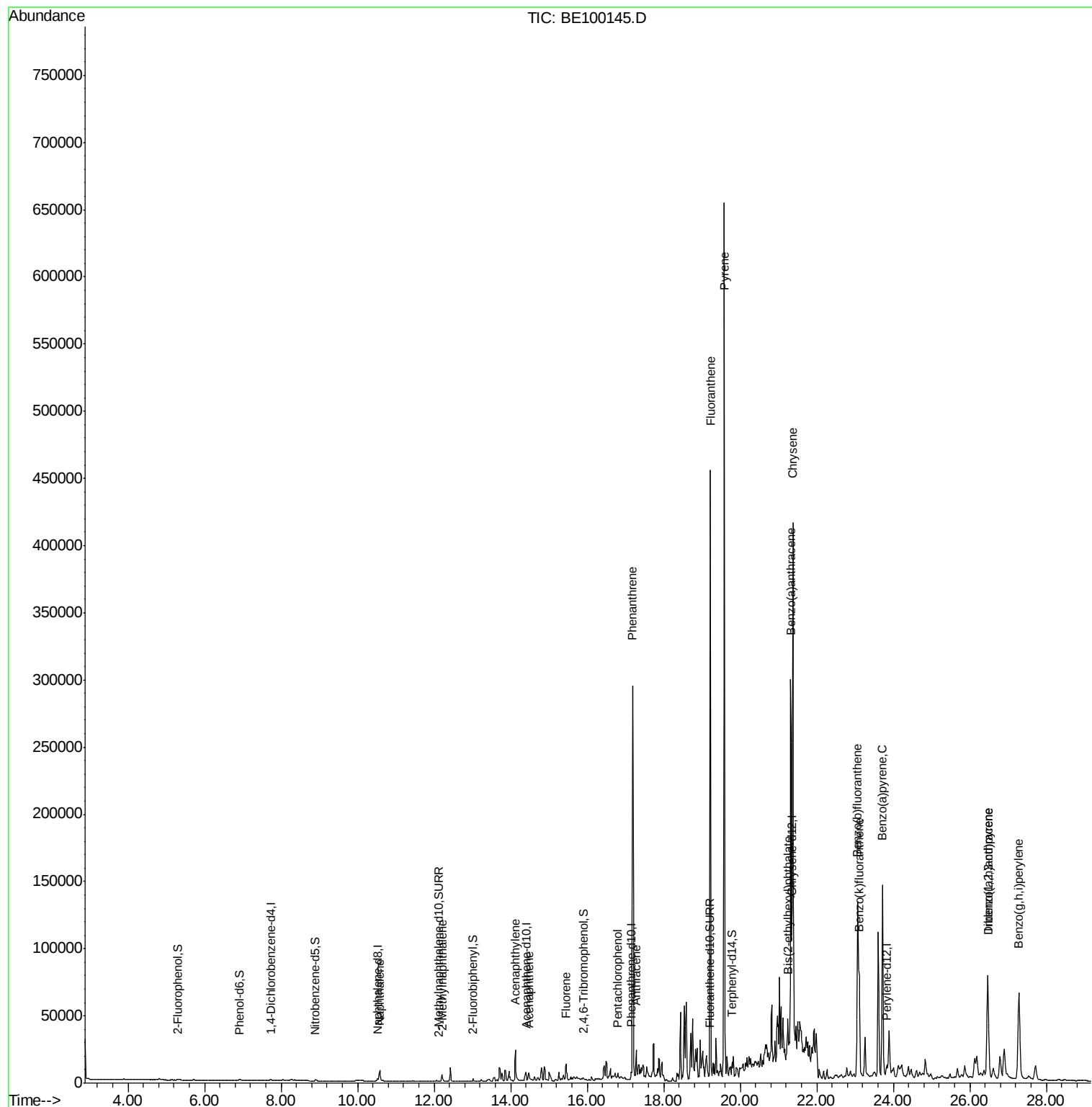
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
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#1

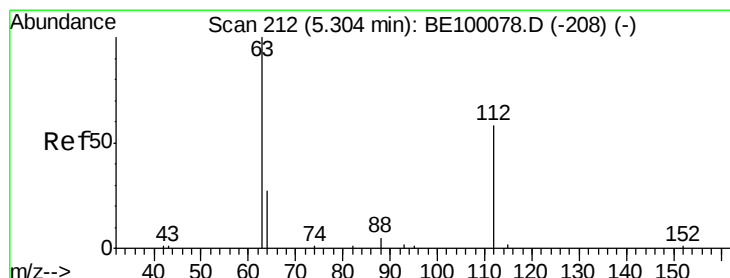
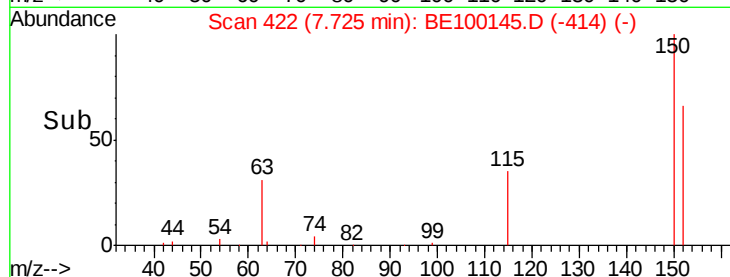
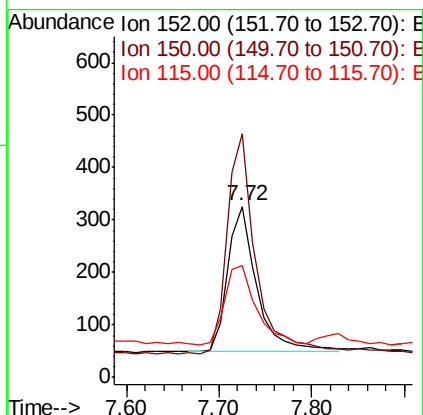
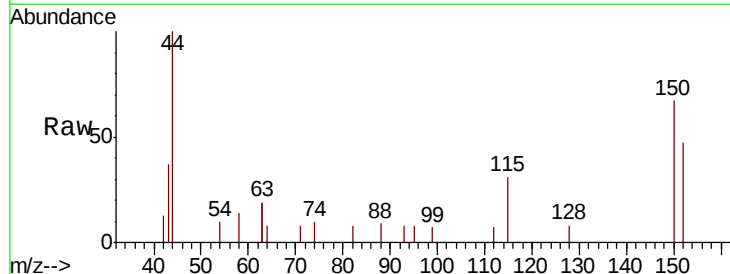
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.3	99.8	149.8
115	65.6	51.3	76.9

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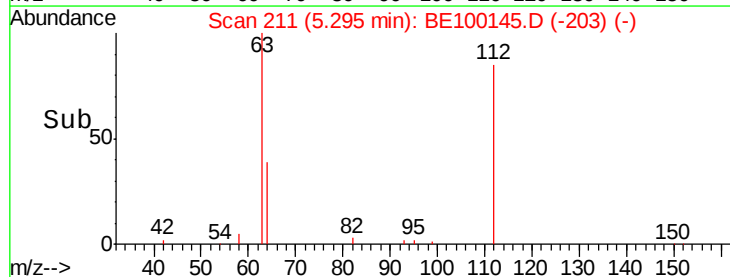
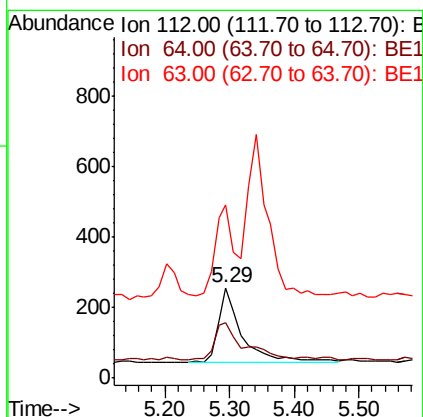
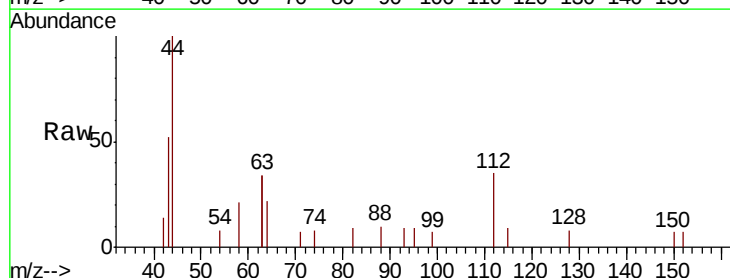
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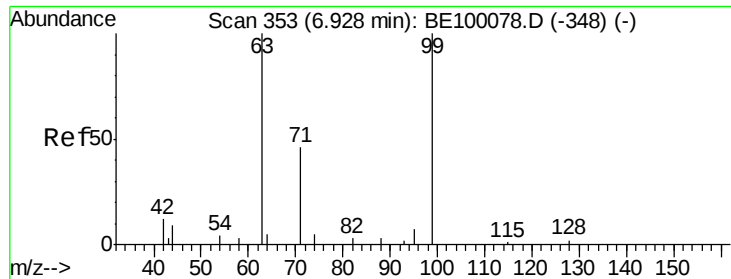


#4

2-Fluorophenol
Concen: 0.419 ng
RT: 5.29 min Scan# 211
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	22.0	33.0#
63	103.6	121.8	182.6#





#5

Phenol-d6

Concen: 0.396 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.02 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Instrument :

BNA_E

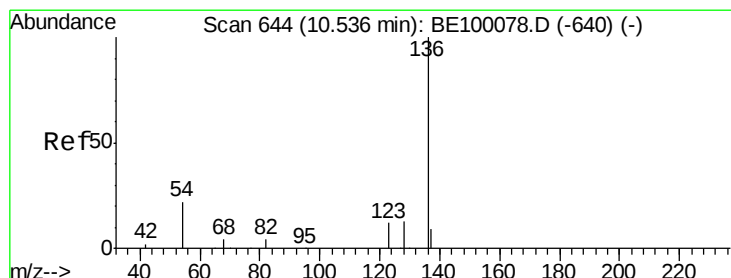
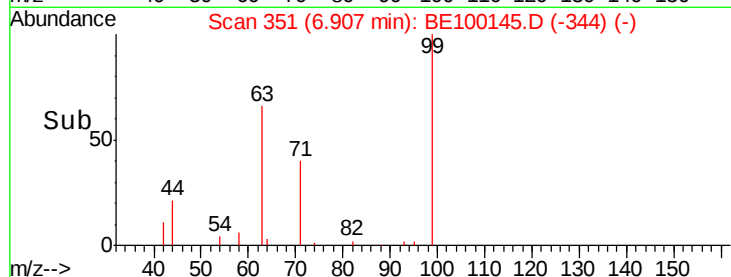
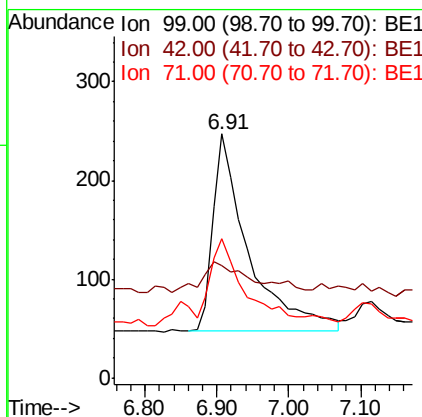
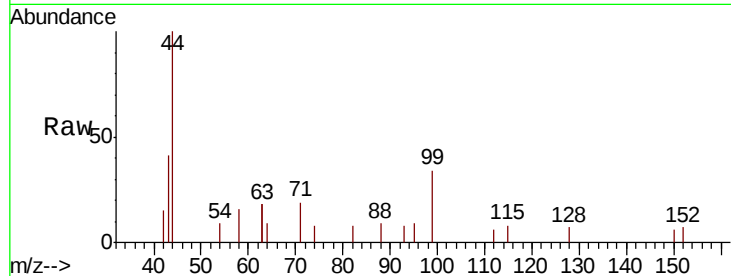
ClientSampleId :

EXT-084-SW155-061319

Tot Ion:	99	Resp:	688
Ion	Ratio	Lower	Upper
99	100		
42	17.0	0.0	0.0#
71	39.5	37.6	56.4

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#7

Naphthalene-d8

Concen: 0.400 ng

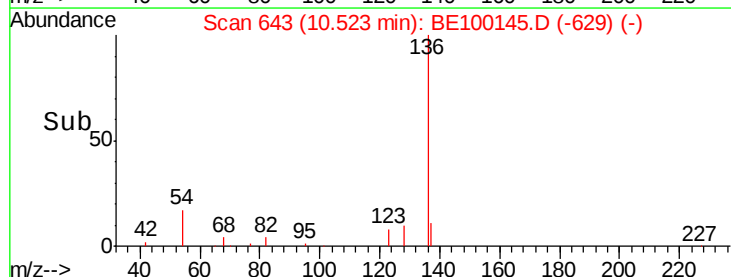
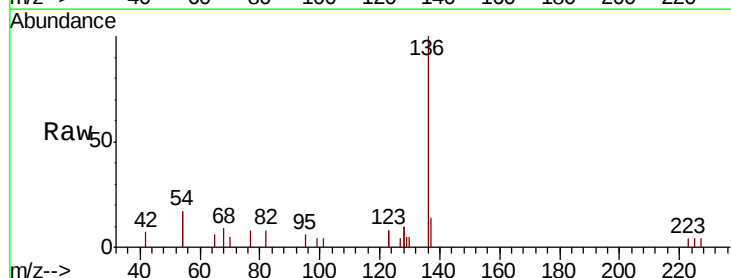
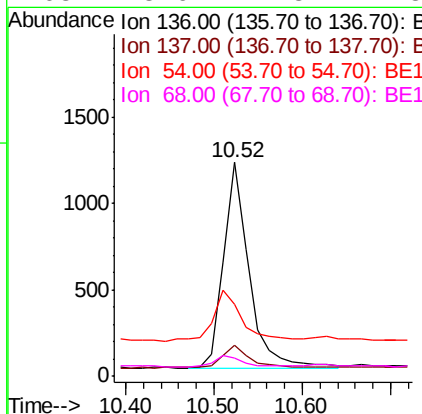
RT: 10.52 min Scan# 643

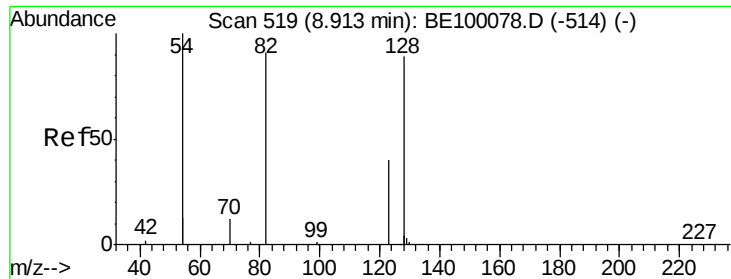
Delta R.T. -0.01 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Tgt Ion:	136	Resp:	2390
Ion	Ratio	Lower	Upper
136	100		
137	14.4	11.6	17.4
54	33.5	33.9	50.9#
68	8.6	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.335 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.01 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Instrument :

BNA_E

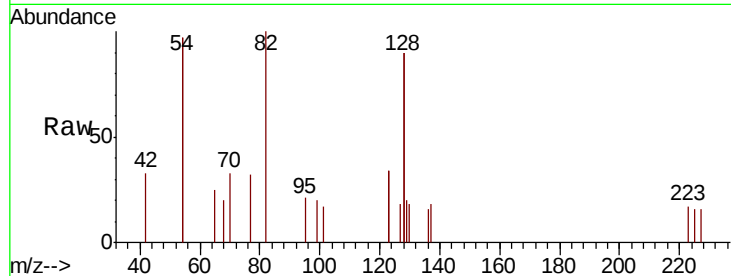
ClientSampleId :

EXT-084-SW155-061319

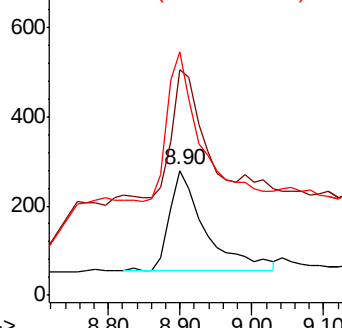
Tot Ion:	82	Resp:	777
Ion	Ratio	Lower	Upper
82	100		
128	180.6	128.0	192.0
54	195.0	143.4	215.0

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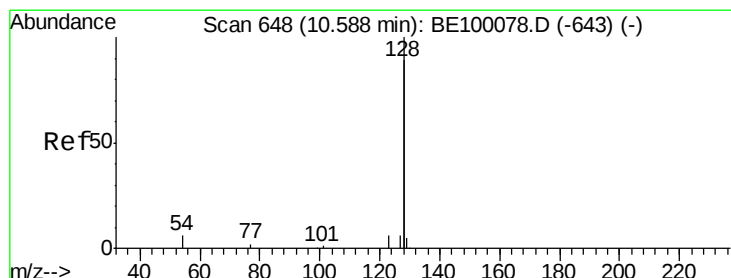
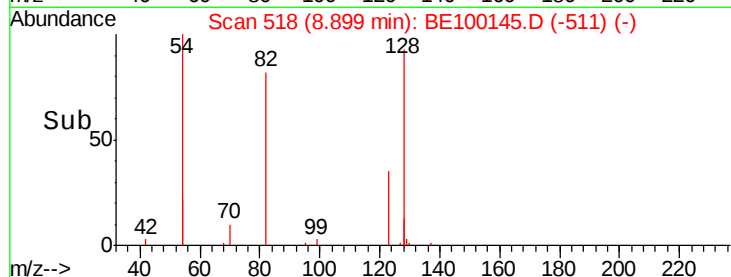
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.605 ng

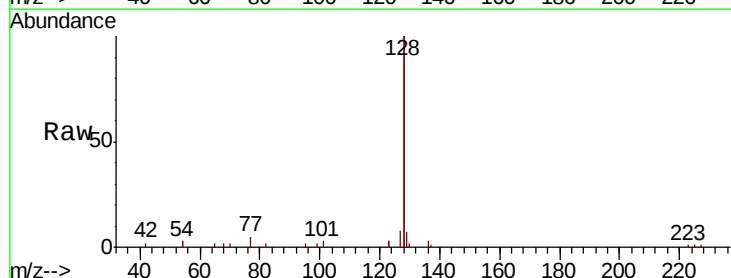
RT: 10.58 min Scan# 647

Delta R.T. -0.01 min

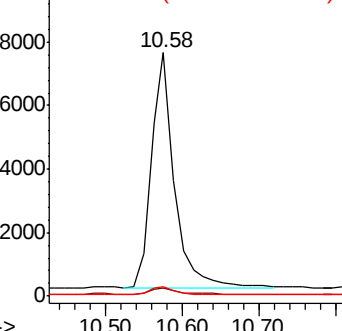
Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

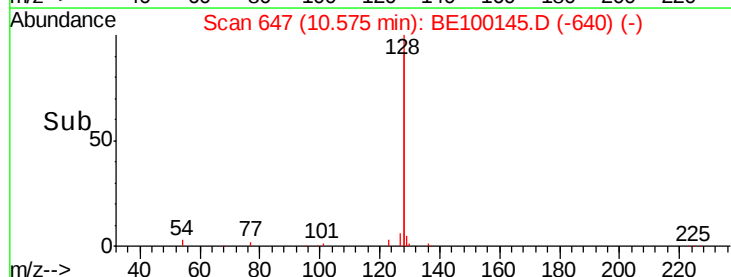
Tgt Ion:	128	Resp:	15706
Ion	Ratio	Lower	Upper
128	100		
129	3.5	3.1	4.7
127	3.8	3.4	5.2

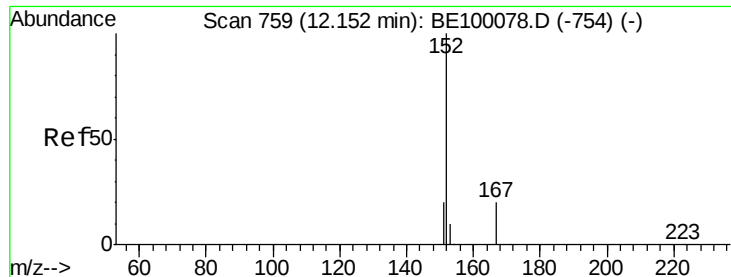


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





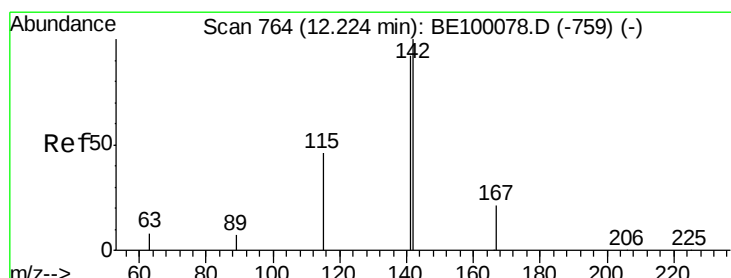
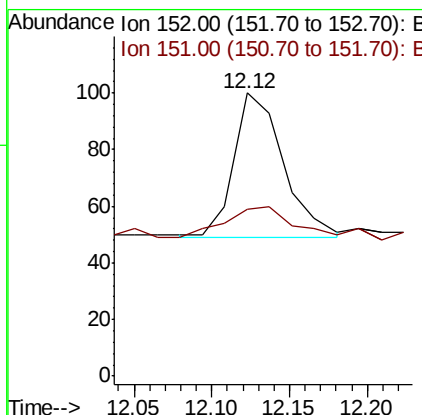
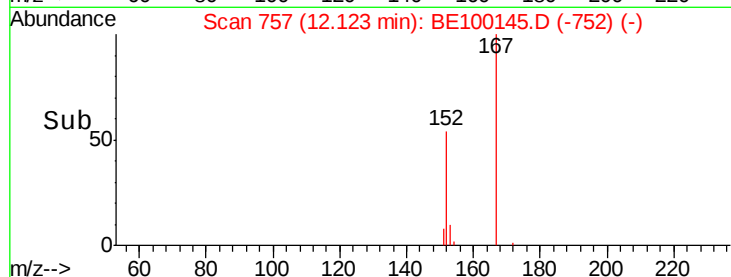
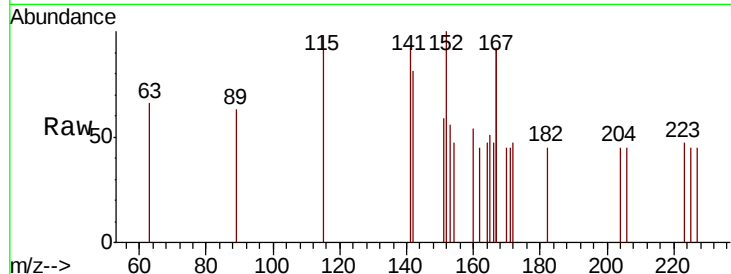
#11
2-Methylnaphthalene-d10
Concen: 0.025 ng m
RT: 12.12 min Scan# 757
Delta R.T. -0.03 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion:152 Resp: 114
Ion Ratio Lower Upper
152 100
151 5.3 16.3 24.5#

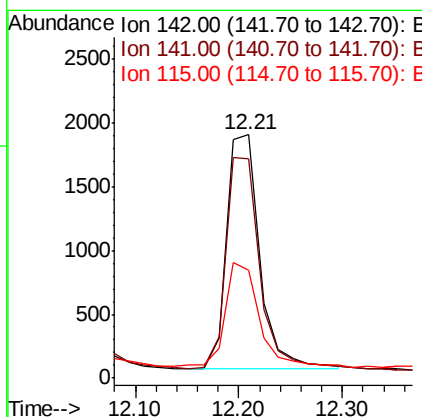
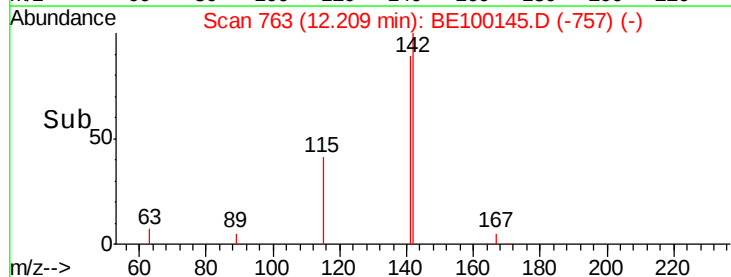
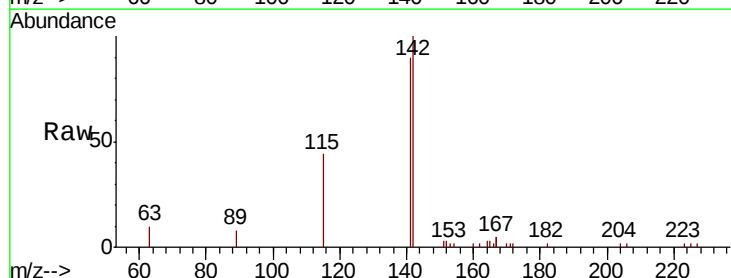
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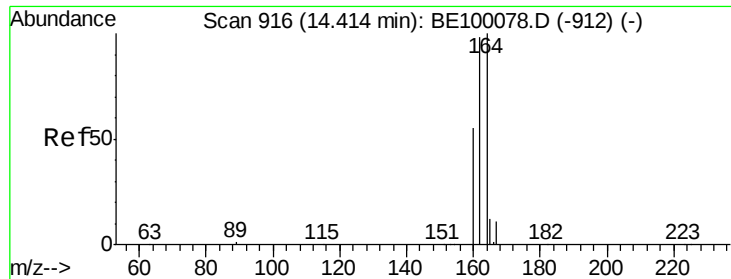
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#12
2-Methylnaphthalene
Concen: 0.963 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion:142 Resp: 4111
Ion Ratio Lower Upper
142 100
141 90.3 74.1 111.1
115 44.2 40.9 61.3





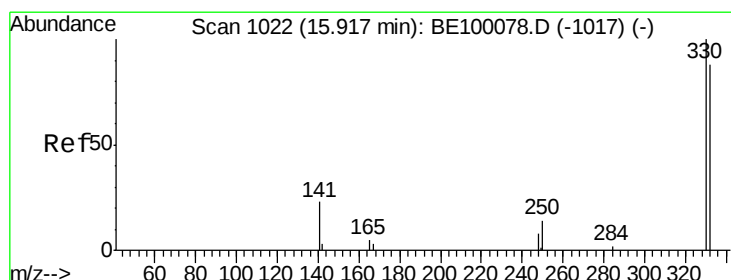
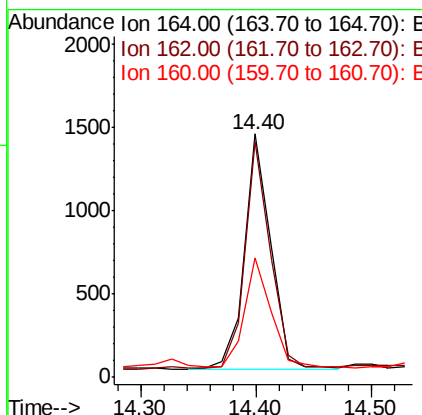
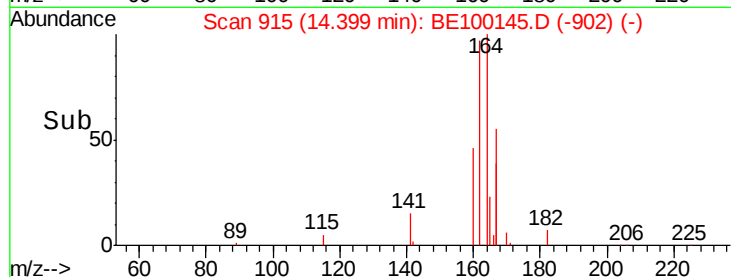
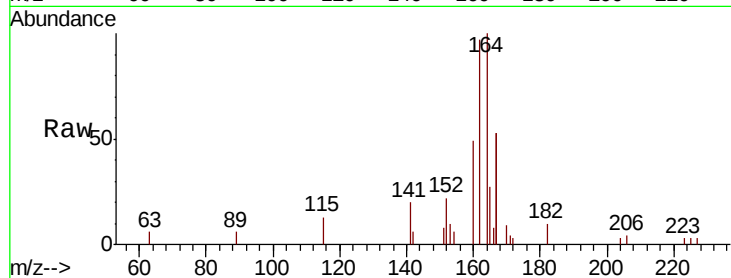
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.6	78.2	117.2
160	49.0	45.6	68.4

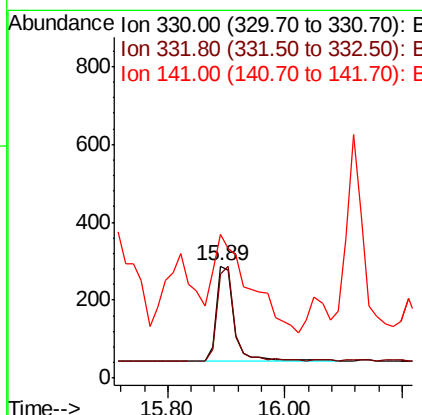
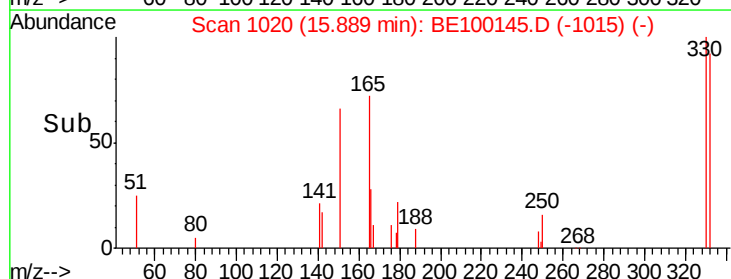
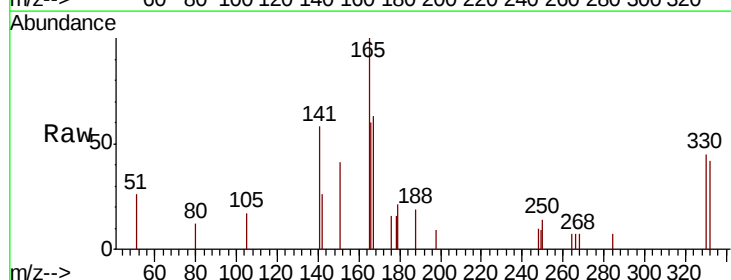
Manual Integrations
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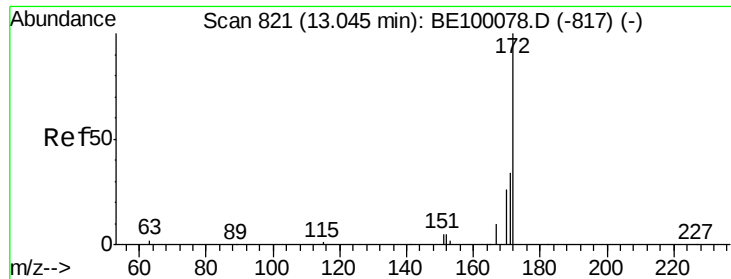
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#14
 2,4,6-Tribromophenol
 Concen: 0.419 ng
 RT: 15.89 min Scan# 1020
 Delta R.T. -0.03 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	73.3	109.9
141	212.4	22.2	33.2#





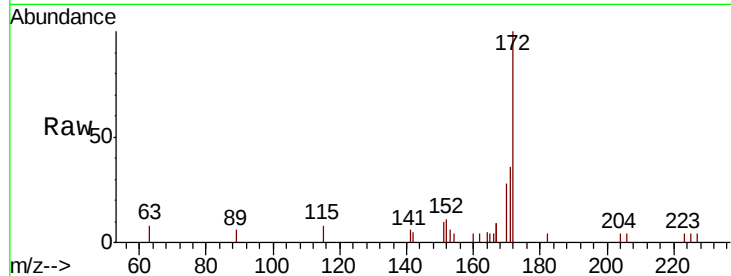
#15
2-Fluorobiphenyl
Concen: 0.246 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.03 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.8
170	28.0	23.2	34.8

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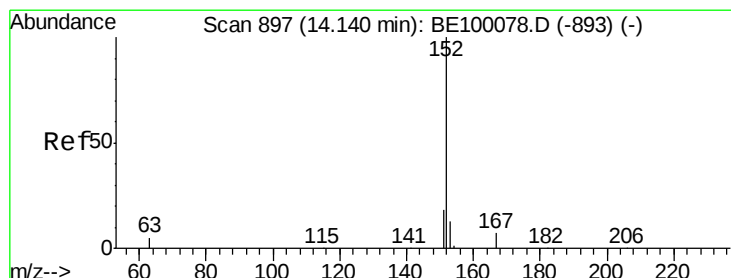
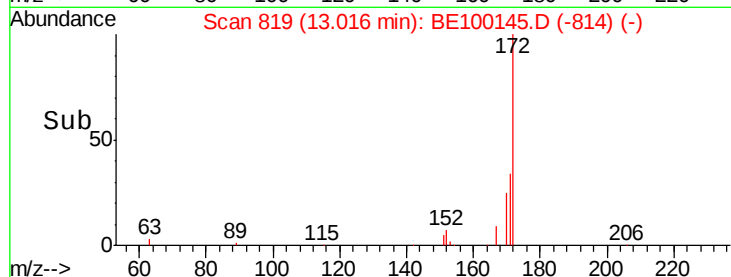
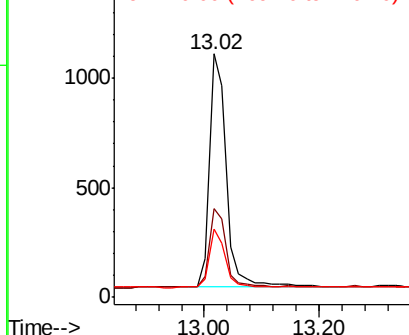


Abundance

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: 2.853 ng
RT: 14.13 min Scan# 896
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

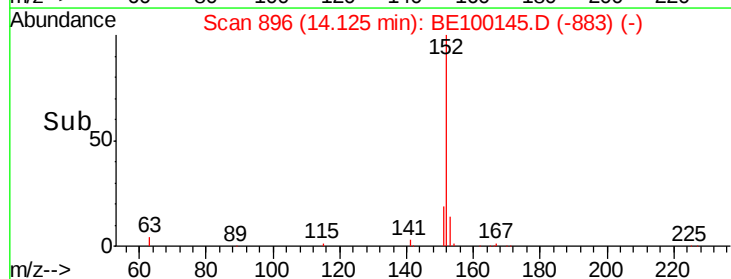
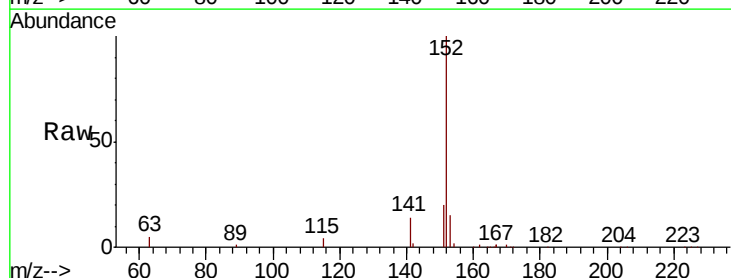
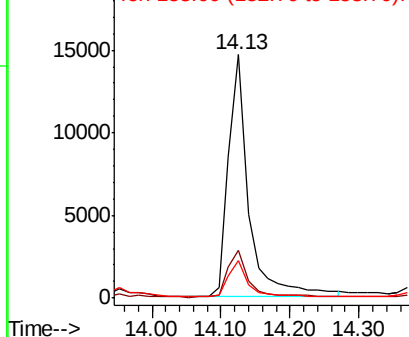
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	14.3	10.1	15.1

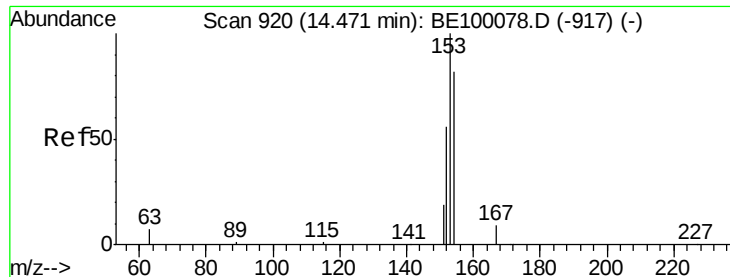
Abundance

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





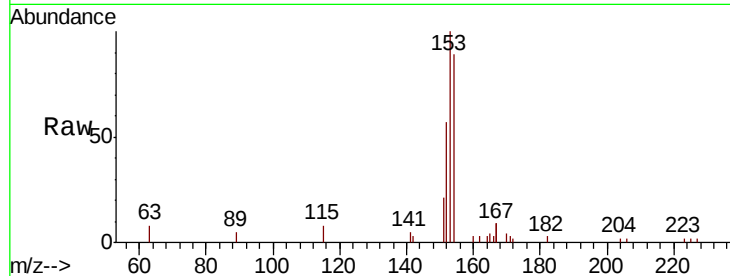
#17
Acenaphthene
Concen: 0.613 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.1	95.5	143.3
152	64.8	54.9	82.3

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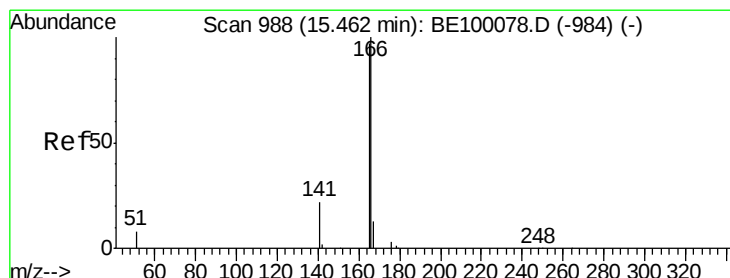
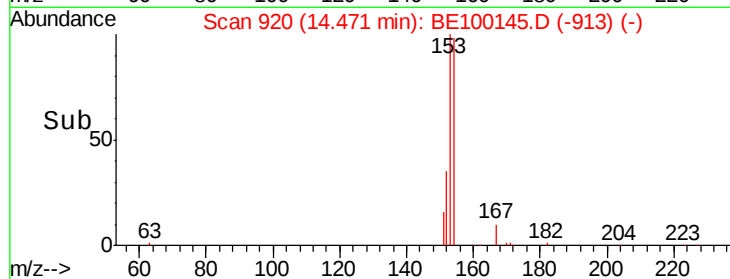
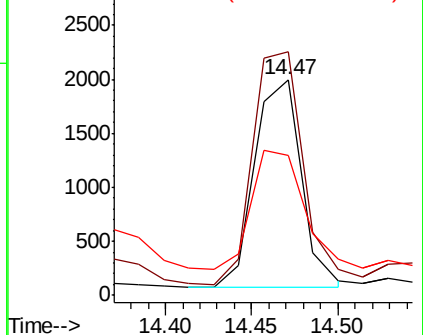


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 1.399 ng
RT: 15.45 min Scan# 987
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

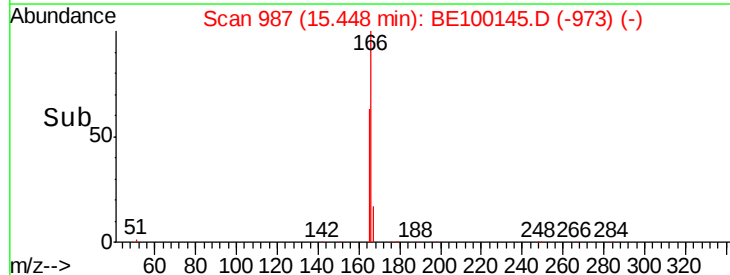
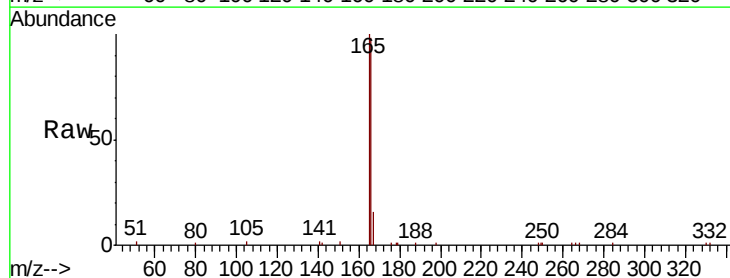
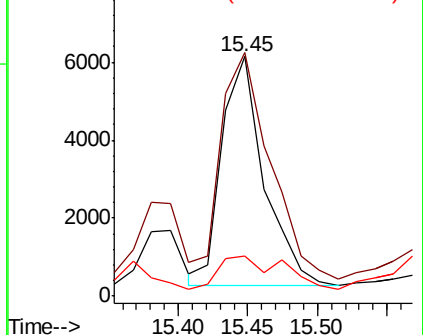
Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.4	79.8	119.8
167	21.9	10.2	15.4#

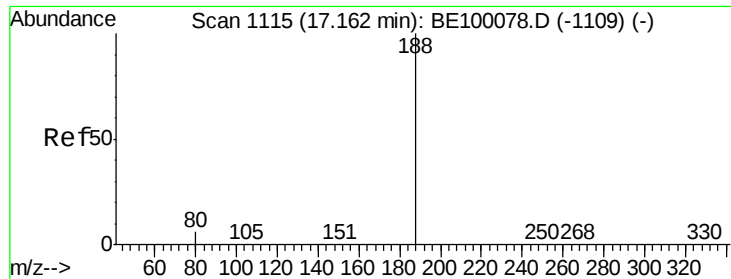
Abundance

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





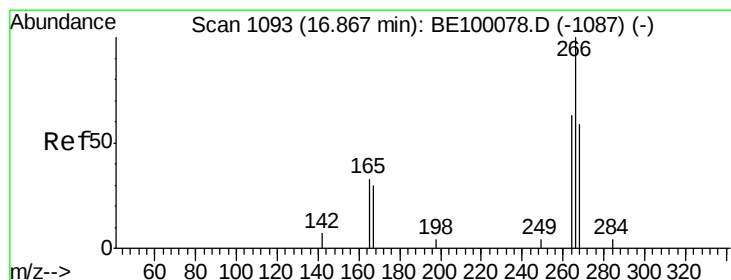
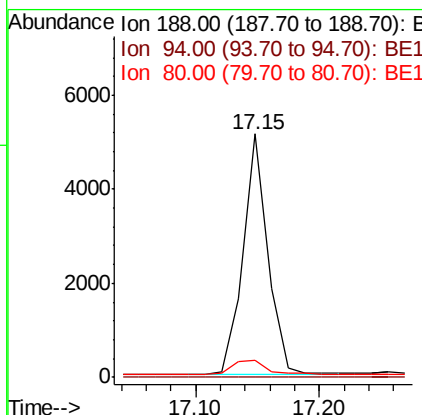
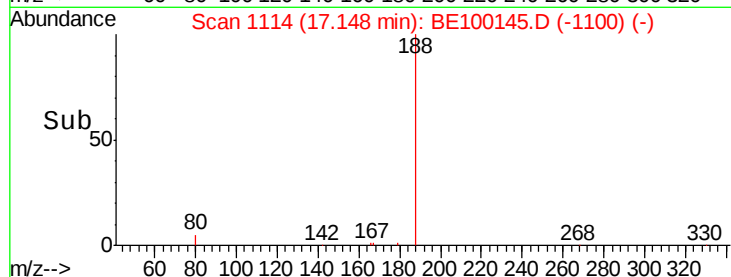
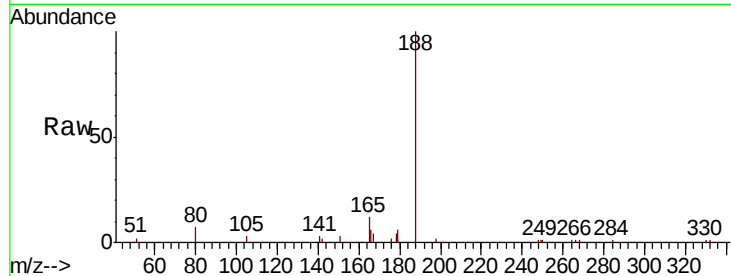
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.15 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	7039		
94	0.0	0.0	0.0	0.0
80	7.0	6.3	9.5	

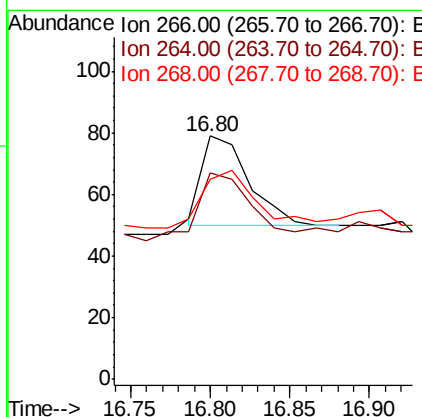
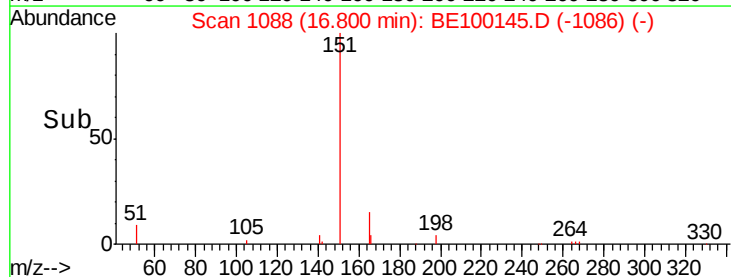
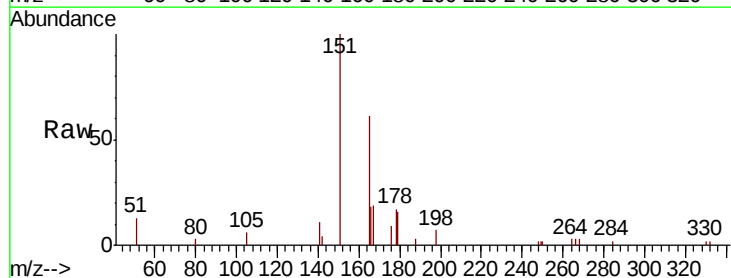
Manual Integrations
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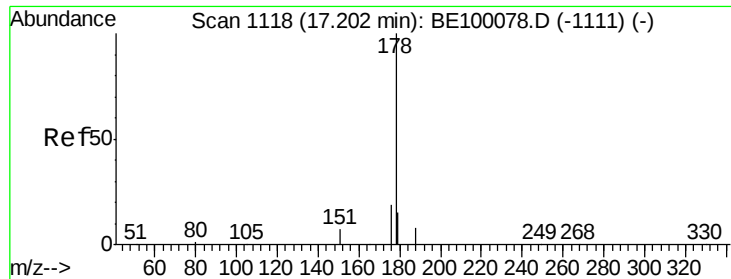
mohammad
6/25/2019 3:21:23 PM



#22
Pentachlorophenol
Concen: 0.282 ng
RT: 16.80 min Scan# 1088
Delta R.T. -0.07 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	59		
264	84.8	67.8	101.6	
268	82.3	70.0	105.0	





#23

Phenanthrene

Concen: 17.255 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Instrument :

BNA_E

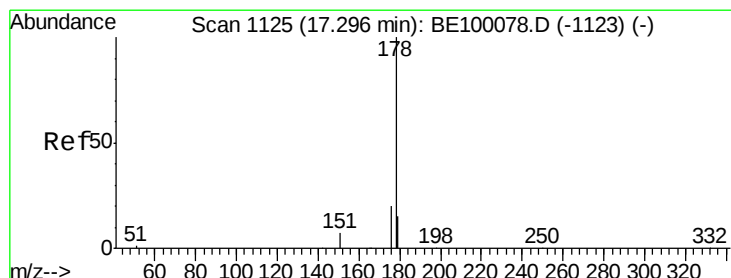
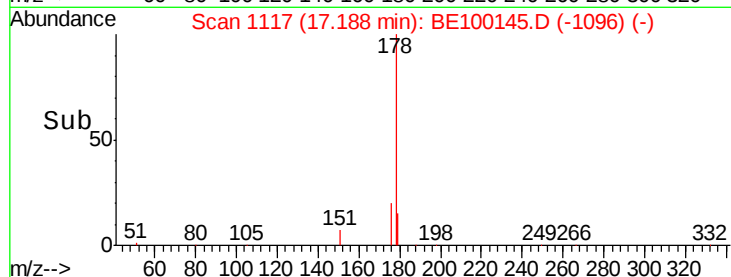
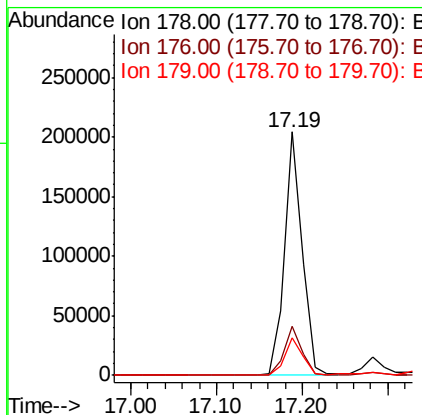
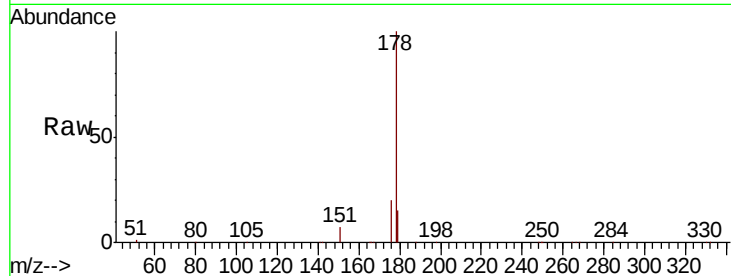
ClientSampleId :

EXT-084-SW155-061319

Tot Ion:	178	Resp:	291000
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	15.6	13.1	19.7

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#24

Anthracene

Concen: 1.501 ng

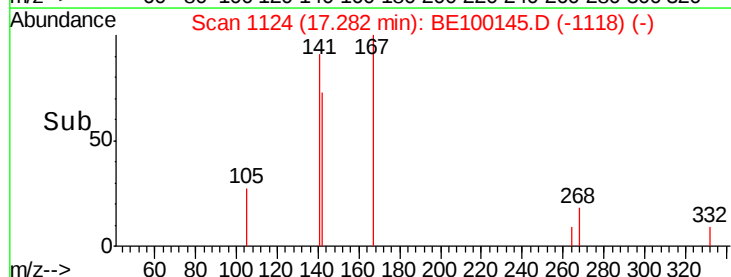
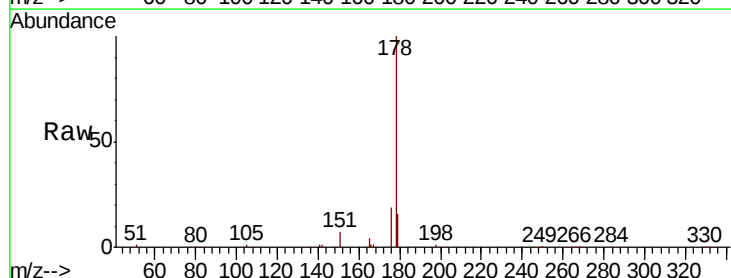
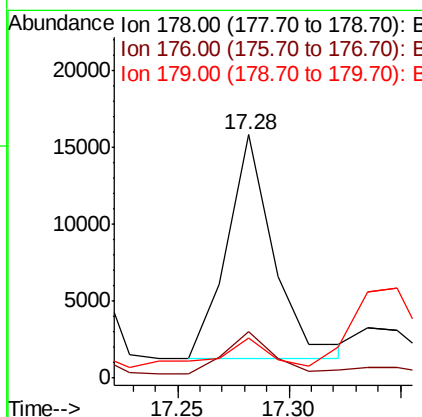
RT: 17.28 min Scan# 1124

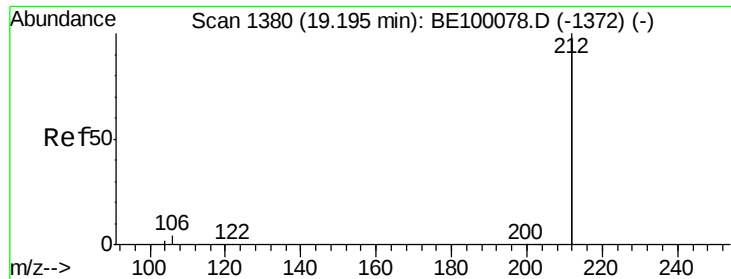
Delta R.T. -0.01 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Tgt Ion:	178	Resp:	21347
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.6
179	15.3	12.0	18.0





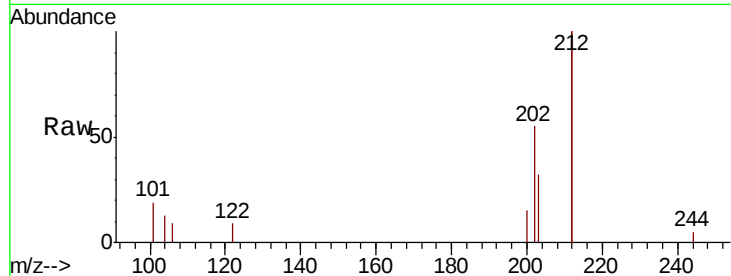
#25
 Fluoranthene-d10
 Concen: 0.023 ng
 RT: 19.19 min Scan# 1378
 Delta R.T. -0.01 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.4	2.0
104	4.9	0.8	1.2

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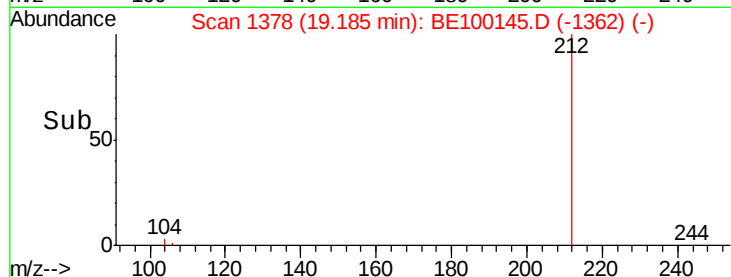
Abundance

Ion 212.00 (211.70 to 212.70): E

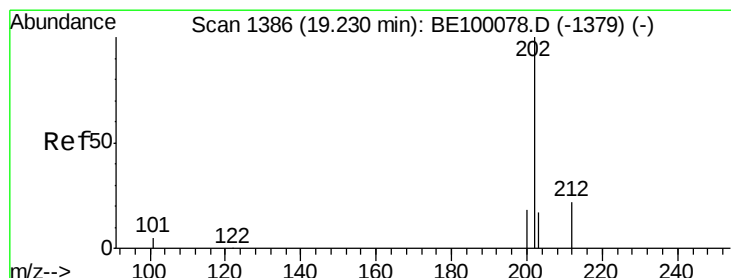
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->

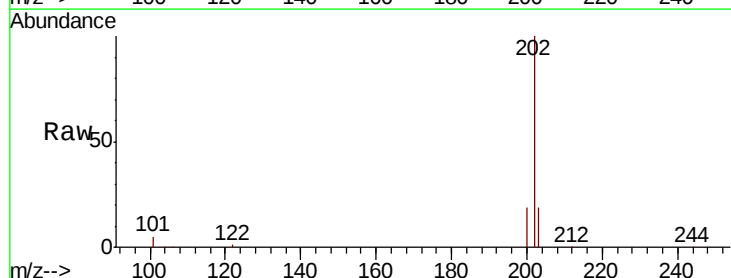


Time-->



#26
 Fluoranthene
 Concen: 14.623 ng
 RT: 19.22 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	5.8	5.0	7.4
203	18.3	13.7	20.5



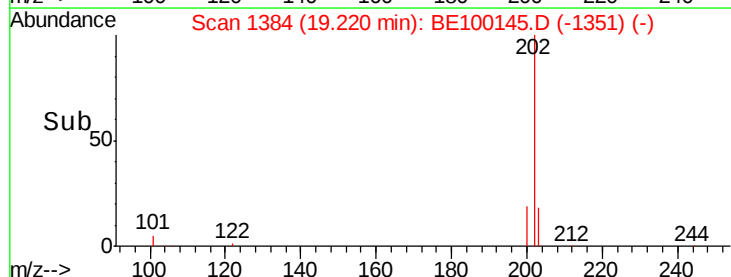
Abundance

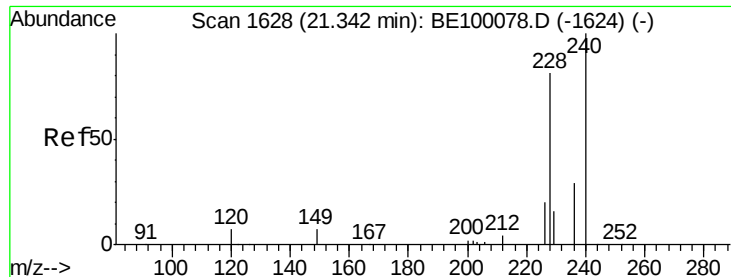
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->





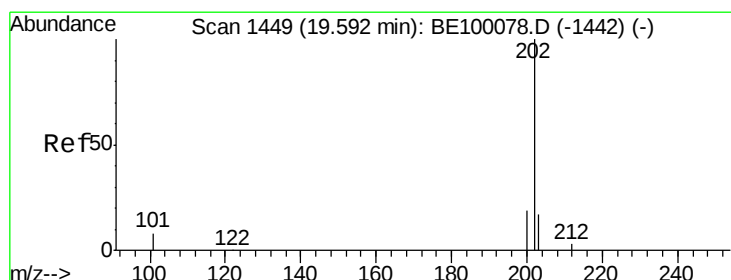
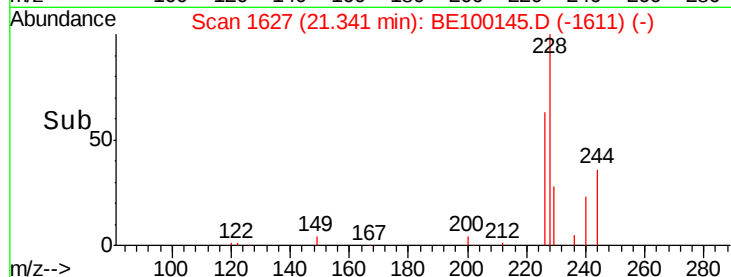
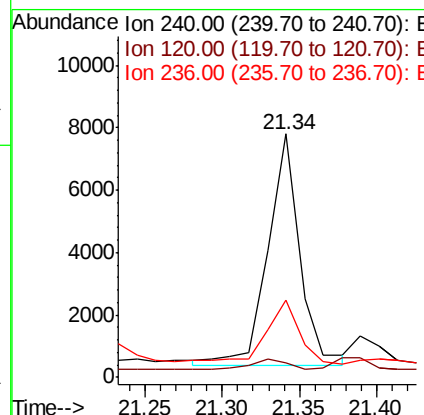
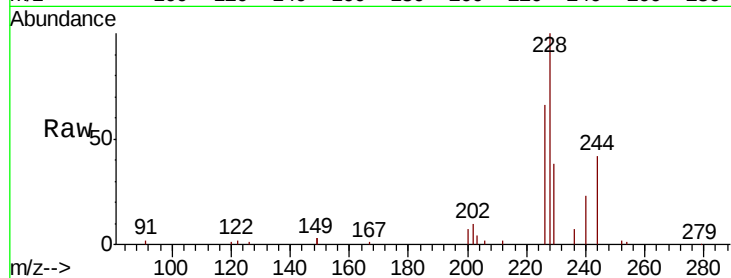
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.34 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	6.6	10.0#
236	31.9	23.8	35.6

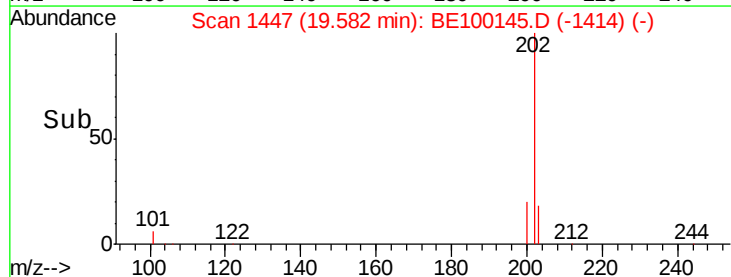
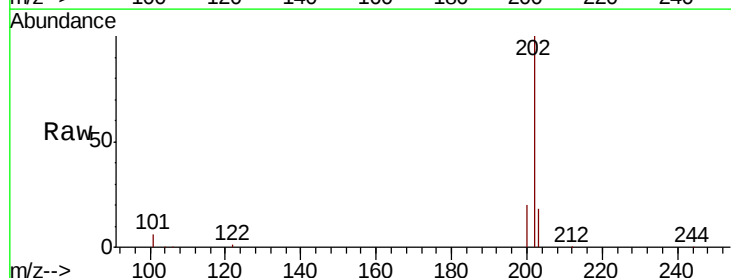
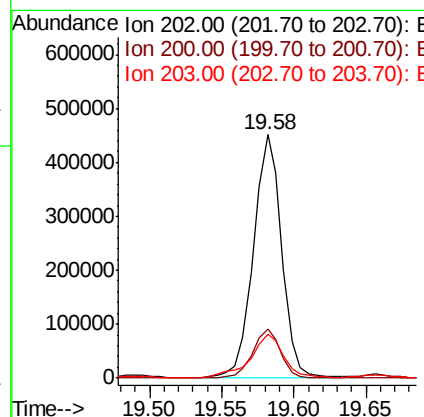
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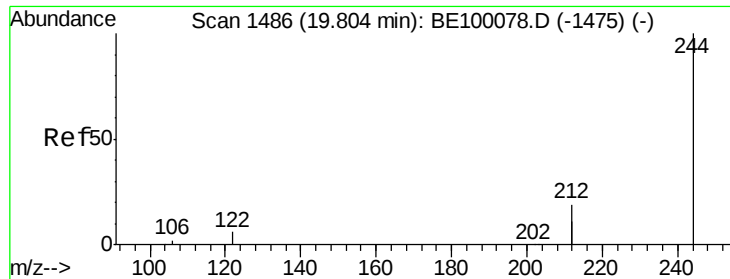
mohammad
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#28
 Pyrene
 Concen: 22.212 ng
 RT: 19.58 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.6	23.4
203	20.8	13.9	20.9





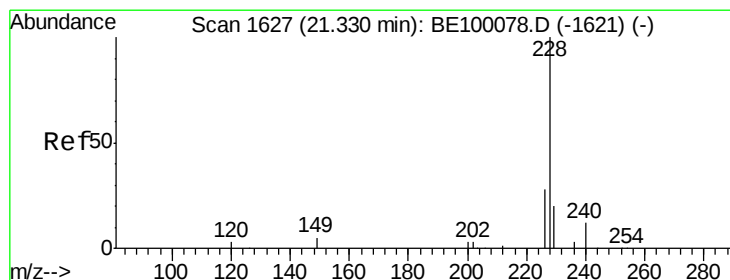
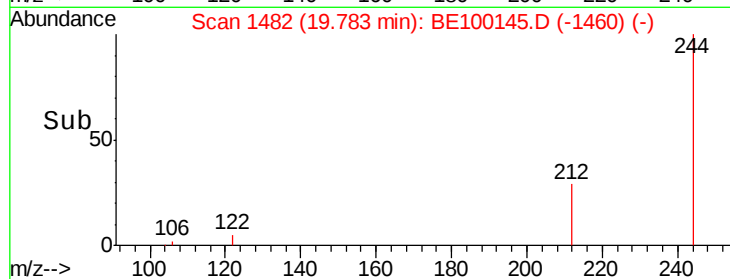
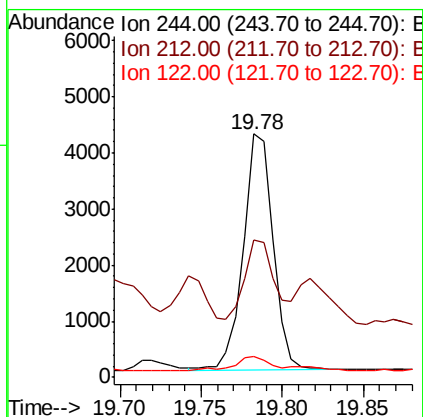
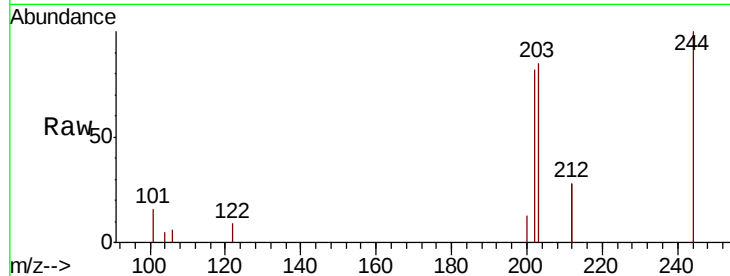
#29
 Terphenyl-d14
 Concen: 0.251 ng
 RT: 19.78 min Scan# 1482
 Delta R.T. -0.02 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Instrument :
 BNA_E
 ClientSampleId :
 EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
244	100		
212	56.4	29.8	44.8
122	8.7	6.1	9.1

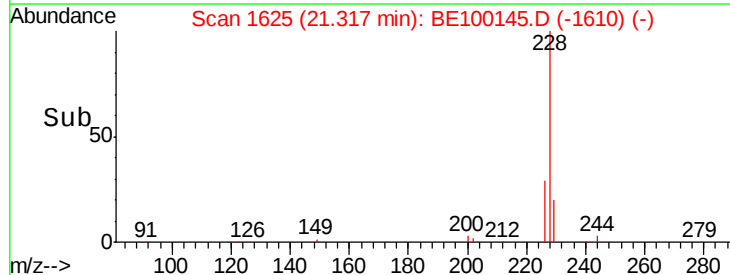
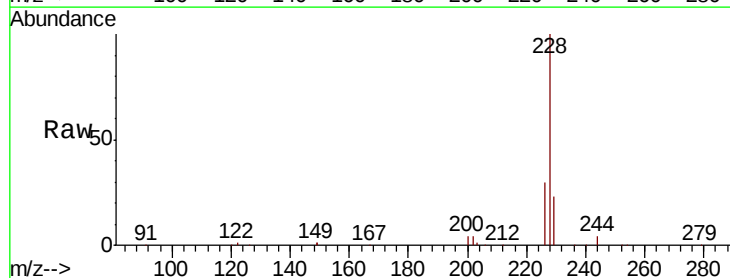
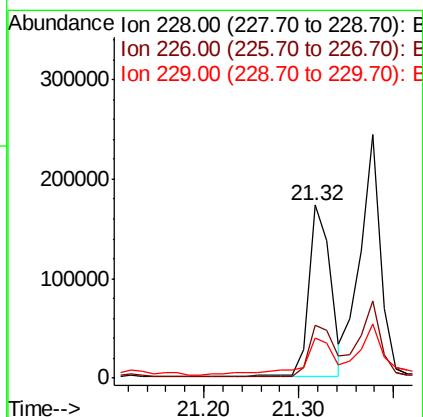
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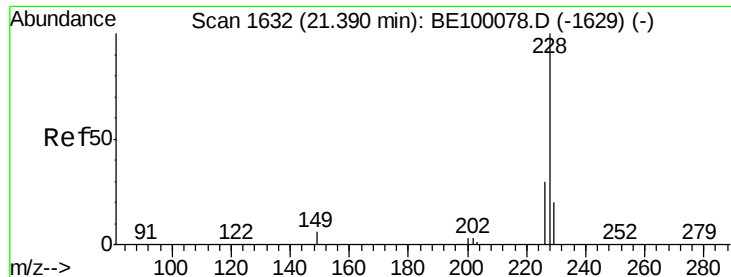
mohammad
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#30
 Benzo(a)anthracene
 Concen: 8.631 ng
 RT: 21.32 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BE100145.D
 Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.0	34.4
229	23.1	16.4	24.6





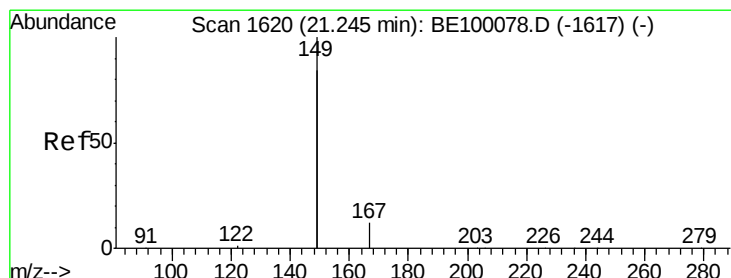
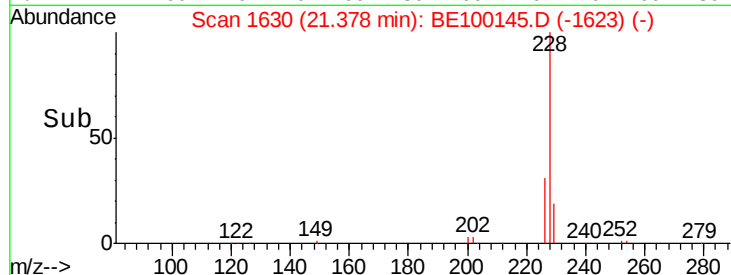
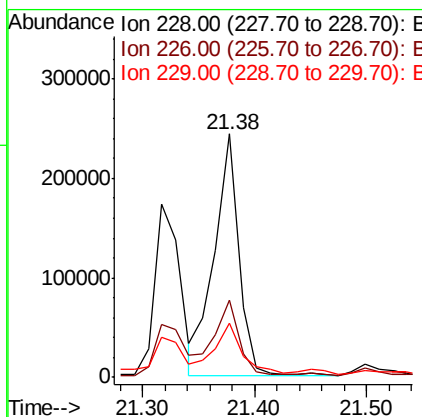
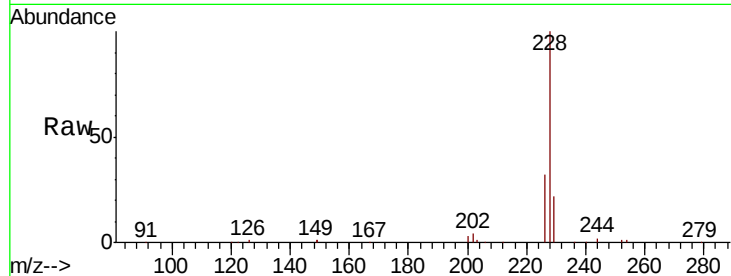
#31
Chrysene
Concen: 9.946 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.8	35.8
229	22.1	16.3	24.5

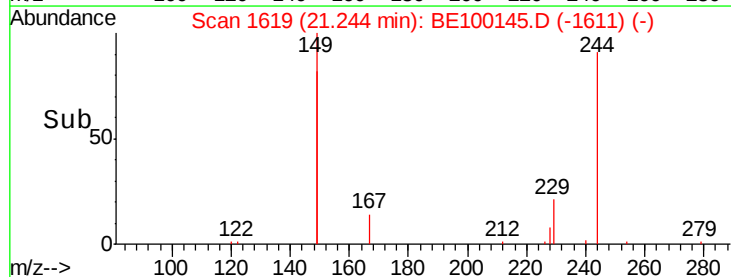
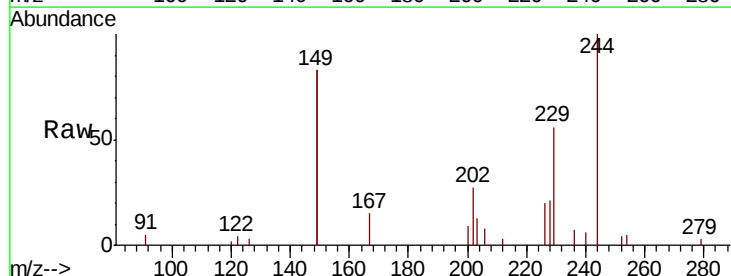
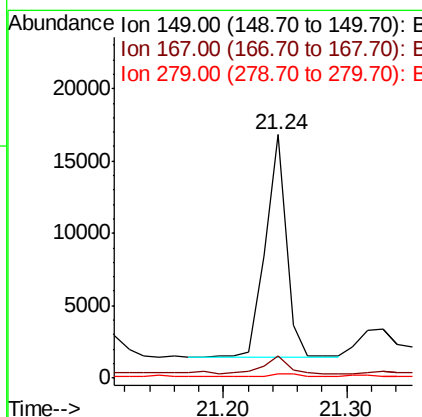
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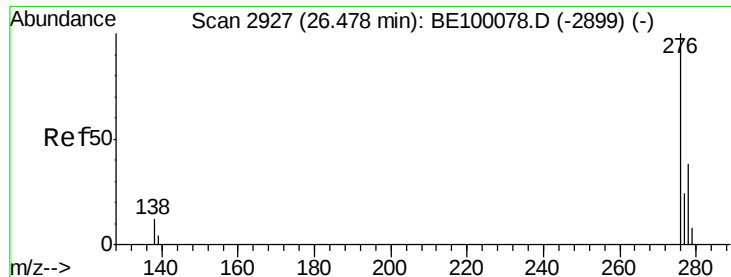
mohammad
6/25/2019 3:21:23 PM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.609 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
149	100		
167	8.2	5.8	8.6
279	1.4	1.1	1.7





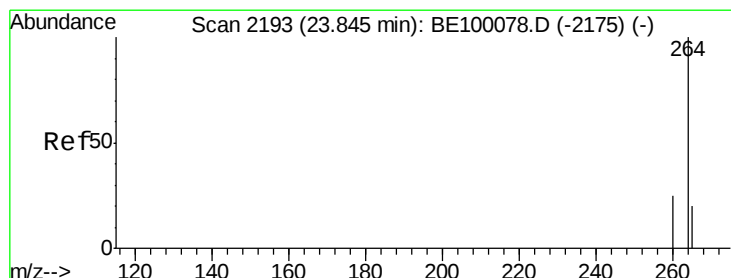
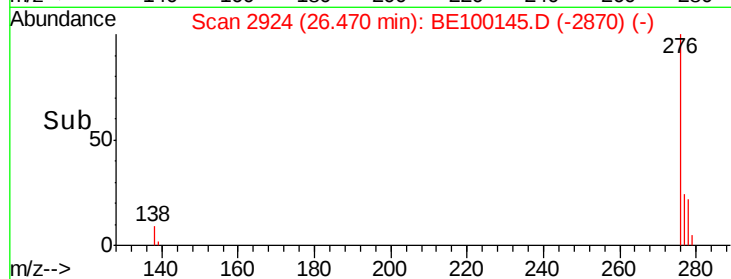
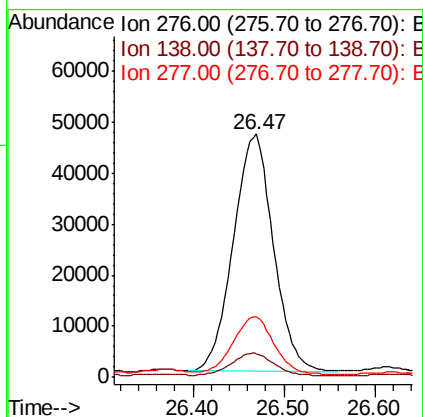
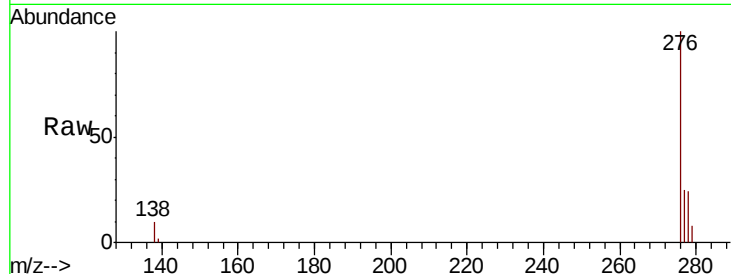
#33
Indeno(1,2,3-cd)pyrene
Concen: 3.397 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.9	4.3	6.5#
277	24.9	19.4	29.0

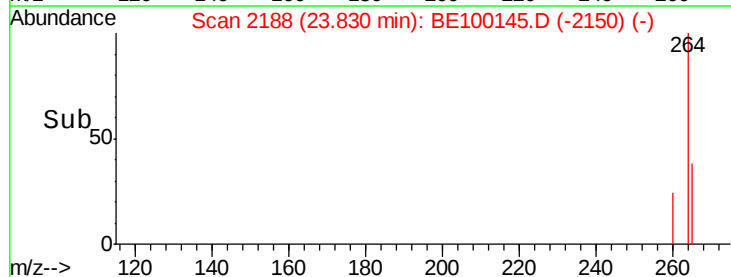
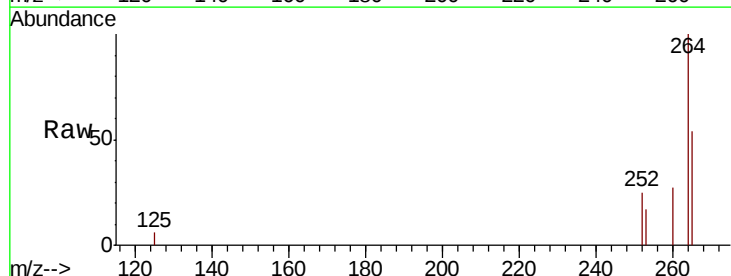
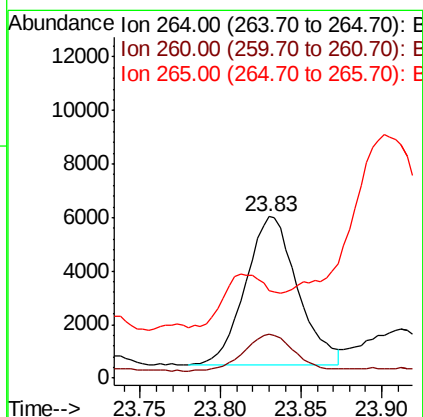
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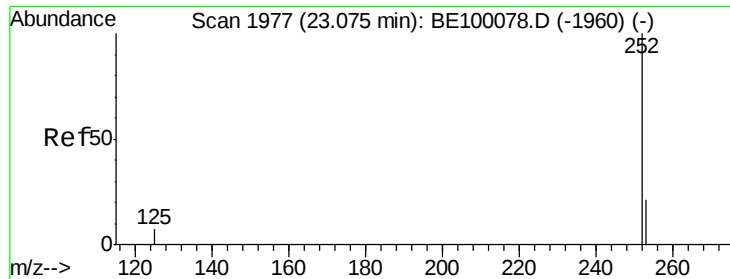
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.8	31.2
265	54.3	23.2	34.8#





#35

Benzo(b)fluoranthene

Concen: 7.334 ng

RT: 23.06 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Instrument :

BNA_E

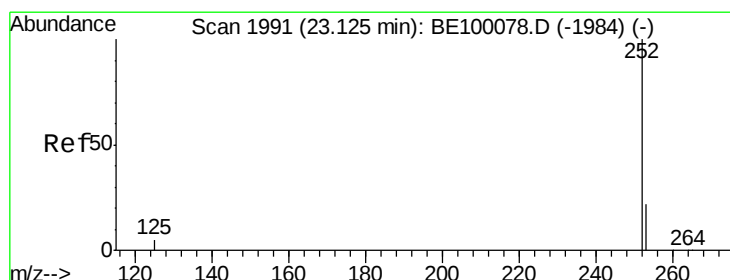
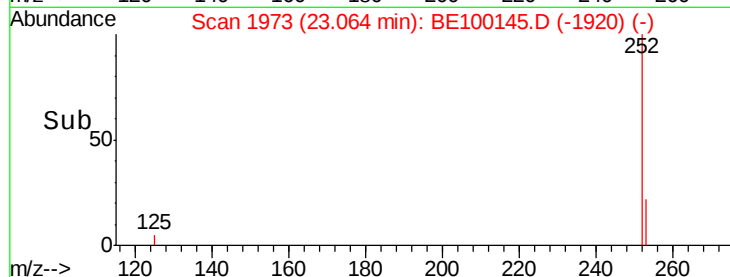
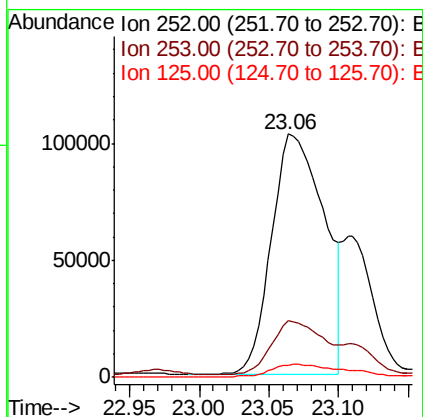
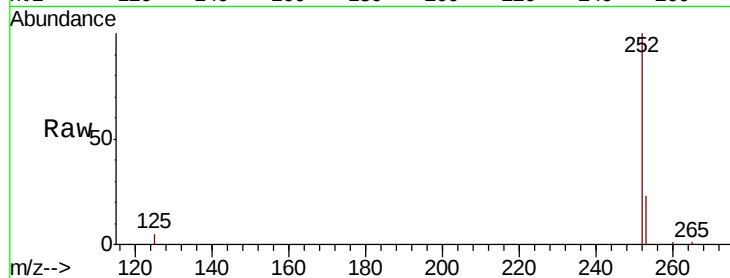
ClientSampleId :

EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	5.2	6.4	9.6#

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#36

Benzo(k)fluoranthene

Concen: 2.202 ng m

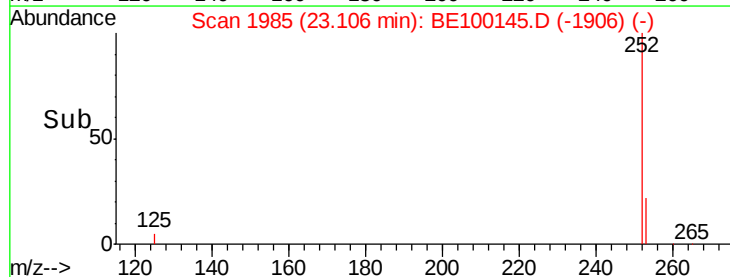
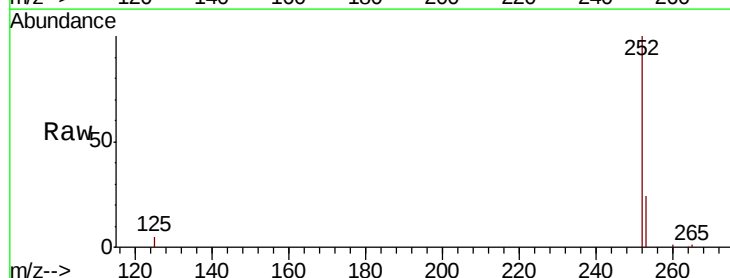
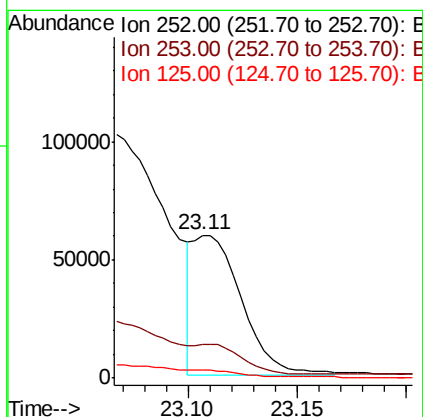
RT: 23.11 min Scan# 1985

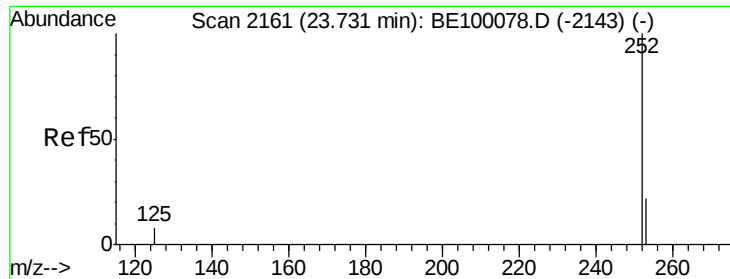
Delta R.T. -0.02 min

Lab File: BE100145.D

Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.9	28.3
125	5.3	5.3	7.9#





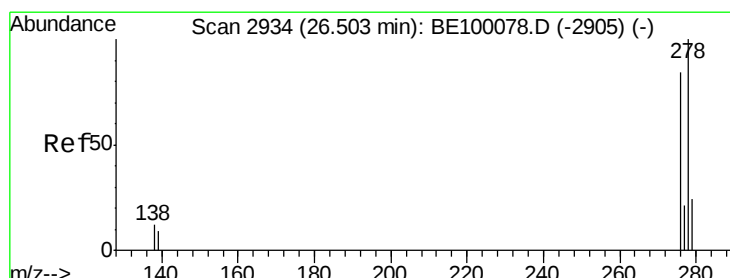
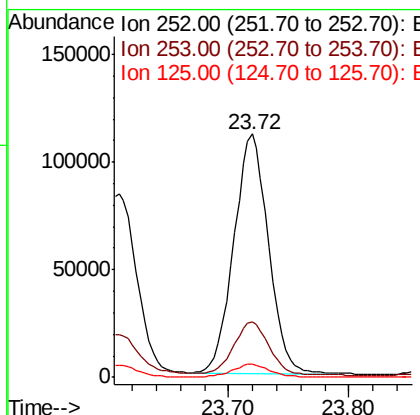
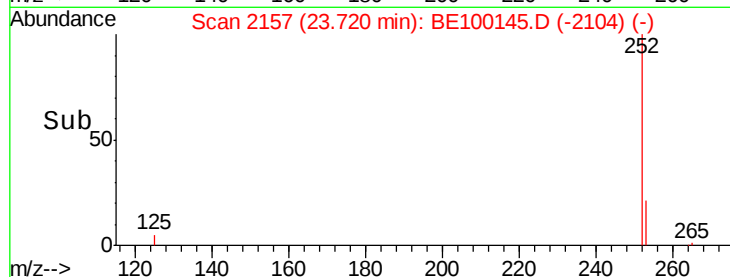
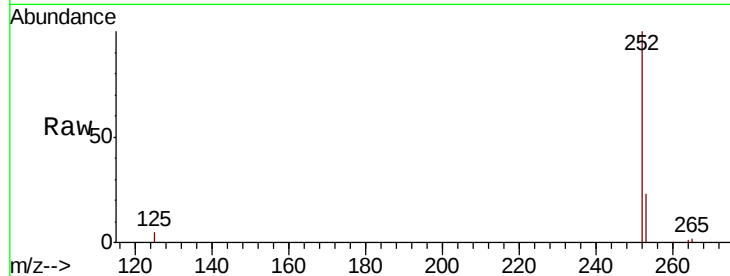
#37
Benzo(a)pyrene
Concen: 6.304 ng/ml
RT: 23.72 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Instrument :
BNA_E
ClientSampleId :
EXT-084-SW155-061319

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.4	29.2
125	5.3	8.0	12.0

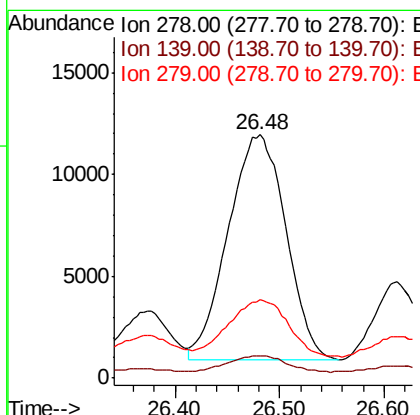
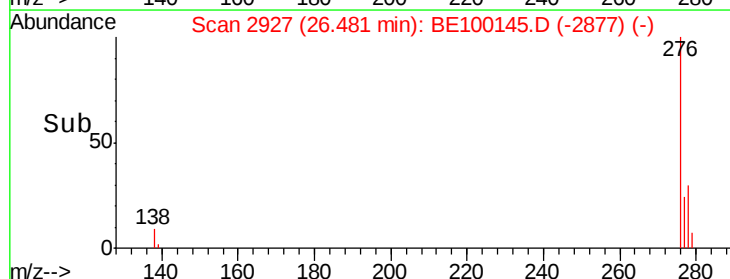
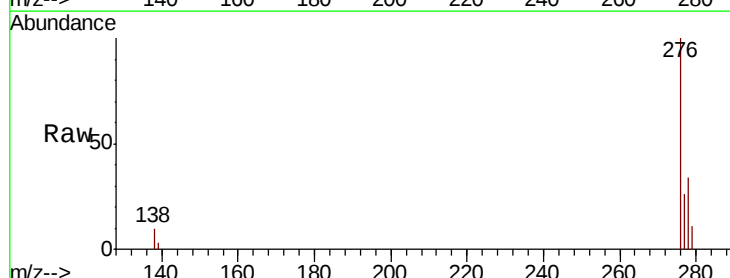
Manual Integrations
APPROVED

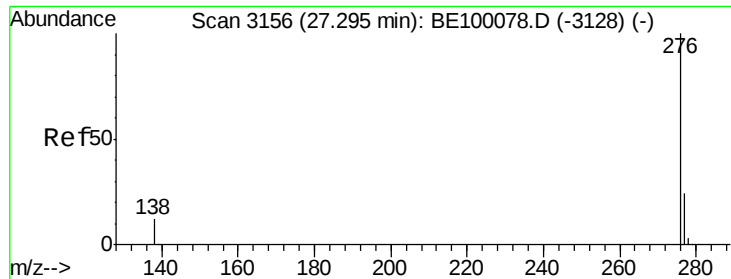
mohammad
6/25/2019 3:21:23 PM



#38
Dibenzo(a,h)anthracene
Concen: 1.161 ng
RT: 26.48 min Scan# 2927
Delta R.T. -0.02 min
Lab File: BE100145.D
Acq: 21 Jun 2019 20:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.9	9.0	13.6
279	32.2	21.4	32.0





#39

Benzo(a,h,i)perylene

Concen: 4.409 ng

RT: 27.28 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BE100145.D

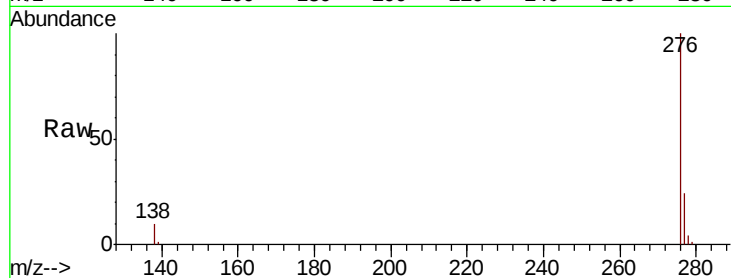
Acq: 21 Jun 2019 20:30

Instrument :

BNA_E

ClientSampleId :

EXT-084-SW155-061319



Tot Ion:	276	Resp:	166741
Ion Ratio	Lower	Upper	
276	100		
277	24.5	20.3	30.5
138	10.2	11.3	16.9

Manual Integrations
APPROVED

mohammad
6/25/2019 3:21:23 PM

