

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100744.D
 Acq On : 15 Nov 2019 19:21
 Operator : JU
 Sample : K5728-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-034-SW092-110619-4

Manual Integrations
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 11/18/2019 3:05:42 PM

Quant Time: Nov 15 23:21:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 15 15:55:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	3402	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	14926	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	9660	0.40	ng	-0.01
19) Phenanthrene-d10	17.12	188	21649	0.40	ng	-0.01
27) Chrysene-d12	21.29	240	22612	0.40	ng	0.00
34) Perylene-d12	23.73	264	24790	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	587	0.06	ng	0.00
5) Phenol-d6	6.94	99	929	0.07	ng	0.00
8) Nitrobenzene-d5	8.91	82	638	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	1222	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	77	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	1621	0.05	ng	0.00
25) Fluoranthene-d10	19.15	212	11857	0.04	ng	0.00
29) Terphenyl-d14	19.75	244	2610	0.05	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.60	128	10972	0.071	ng	# 98
12) 2-Methylnaphthalene	12.22	142	2566	0.097	ng	97
16) Acenaphthylene	14.13	152	14436	0.370	ng	97
17) Acenaphthene	14.47	154	1488	0.058	ng	92
18) Fluorene	15.43	166	5037	0.144	ng	# 81
23) Phenanthrene	17.18	178	121931	2.066	ng	99
24) Anthracene	17.26	178	10464	0.199	ng	98
26) Fluoranthene	19.18	202	166225	2.109	ng	98
28) Pyrene	19.55	202	256486	4.080	ng	97
30) Benzo(a)anthracene	21.28	228	114163	1.573	ng	91
31) Chrysene	21.33	228	124408	1.689	ng	97
32) Bis(2-ethylhexyl)phthalate	21.22	149	12670	0.098	ng	99
33) Indeno(1,2,3-cd)pyrene	26.28	276	54051	0.626	ng	97
35) Benzo(b)fluoranthene	22.99	252	106609	1.474	ng	100
36) Benzo(k)fluoranthene	23.03	252	33014m	0.436	ng	
37) Benzo(a)pyrene	23.62	252	86280	1.280	ng	99
38) Dibenzo(a,h)anthracene	26.30	278	15989	0.227	ng	# 88
39) Benzo(a,h,i)perylene	27.08	276	63065	0.915	ng	99

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

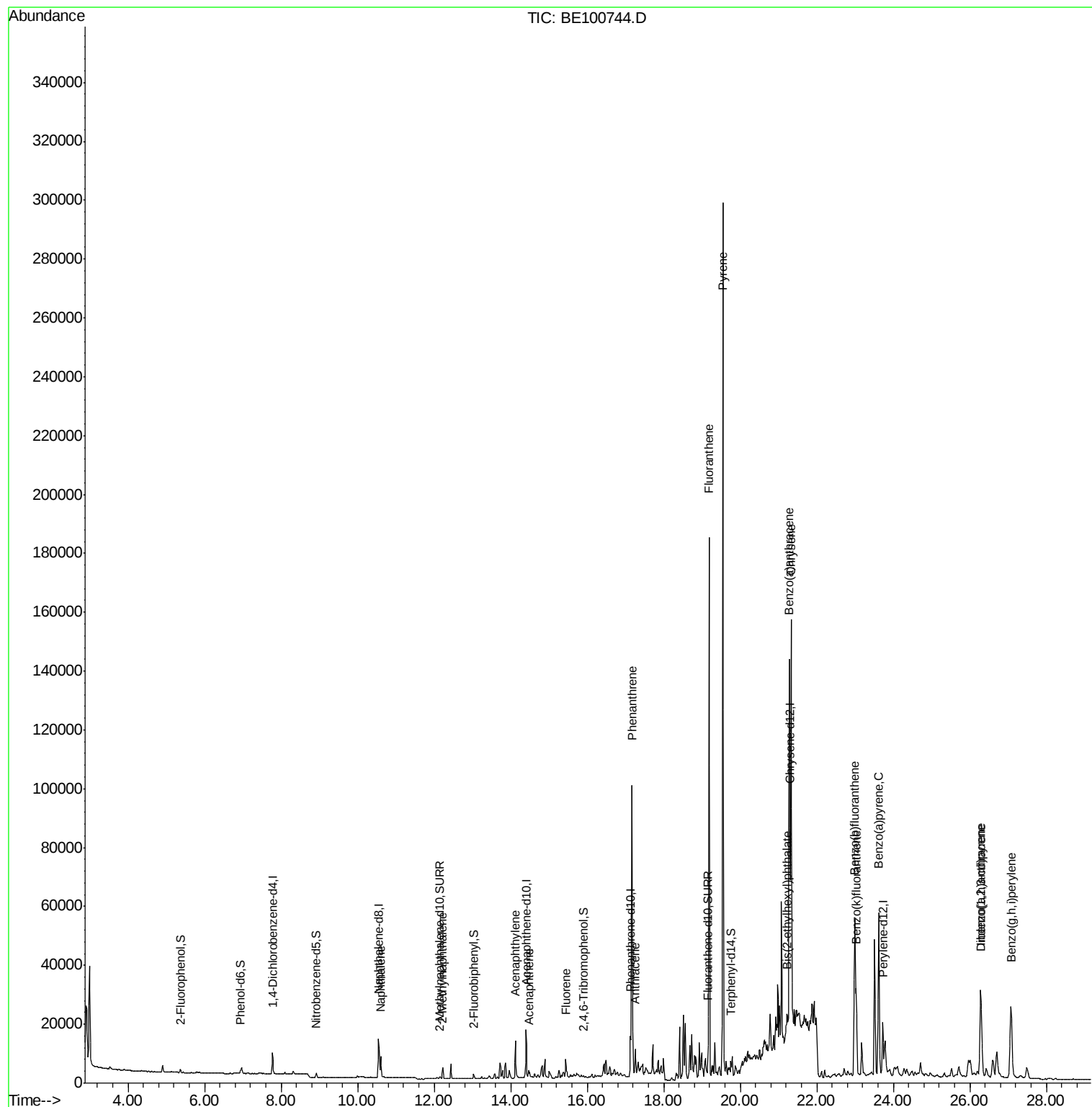
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 15 15:55:40 2019
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#1

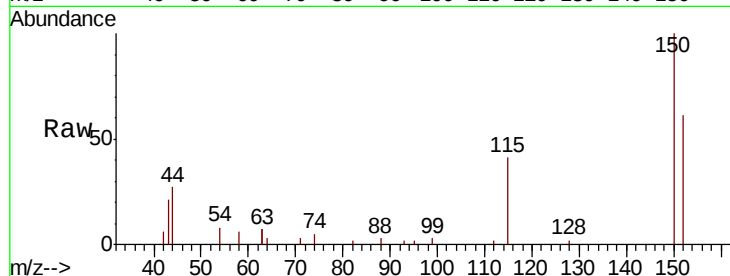
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.6	123.4	185.0
115	68.3	52.1	78.1

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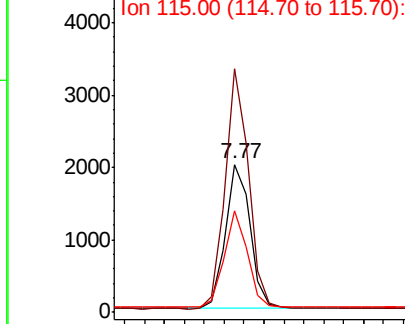


Abundance

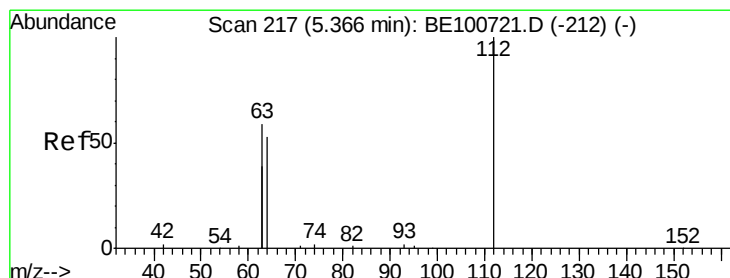
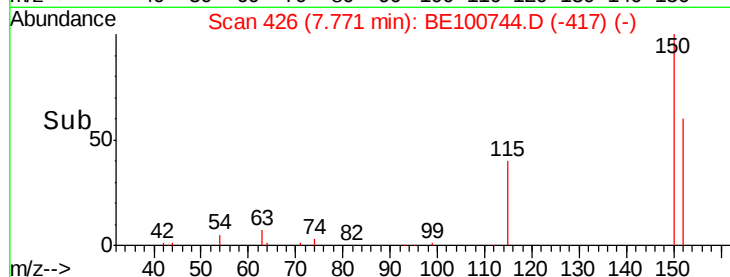
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



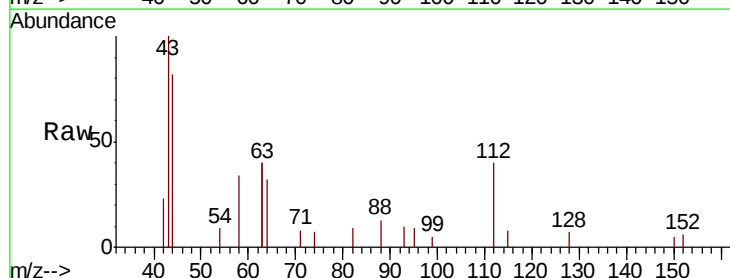
Time-->



#4

2-Fluorophenol
Concen: 0.059 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.5	58.3	87.5
63	145.0	115.4	173.2

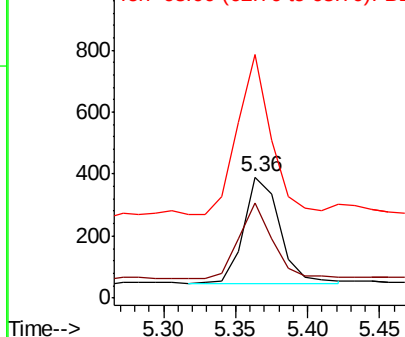


Abundance

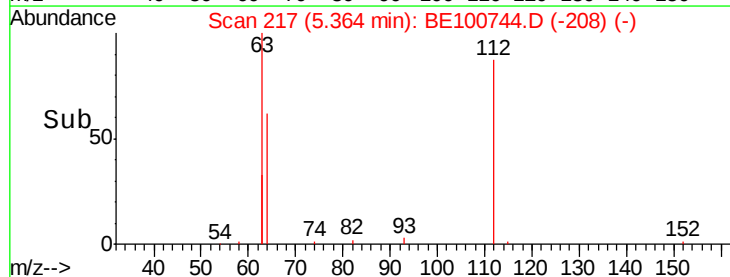
Ion 112.00 (111.70 to 112.70): E

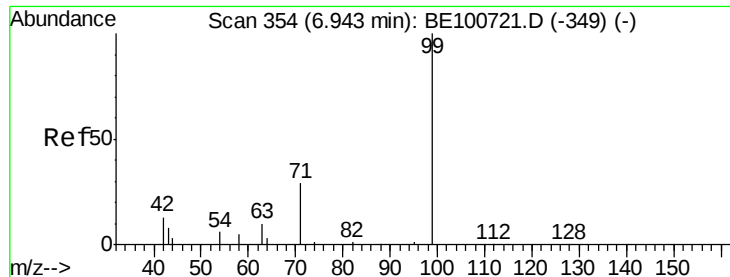
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.066 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100744.D

Acq: 15 Nov 2019 19:21

Instrument :

BNA_E

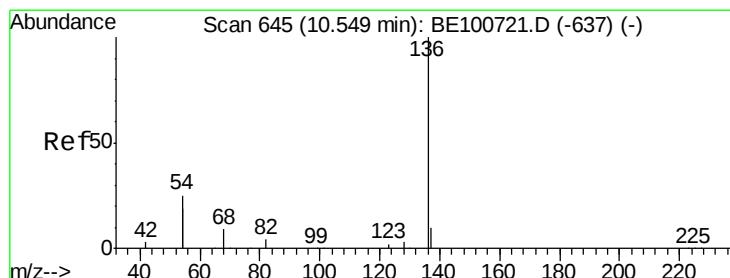
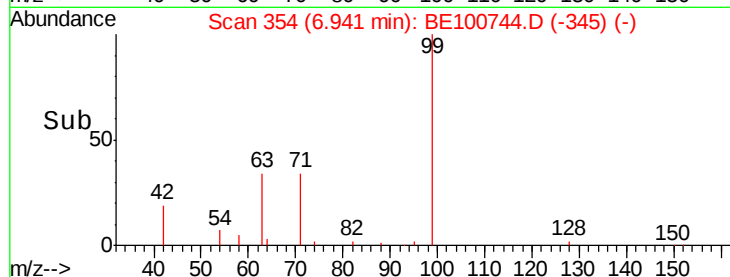
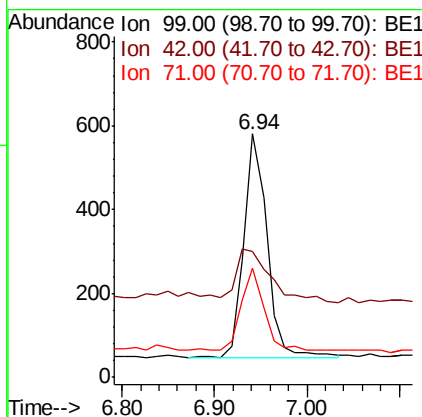
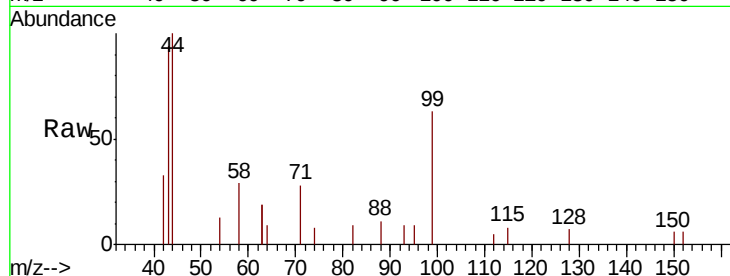
ClientSampleId :

EXT-034-SW092-110619-4

Tot Ion:	99	Resp:	929
Ion	Ratio	Lower	Upper
99	100		
42	35.5	17.8	26.6#
71	35.5	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

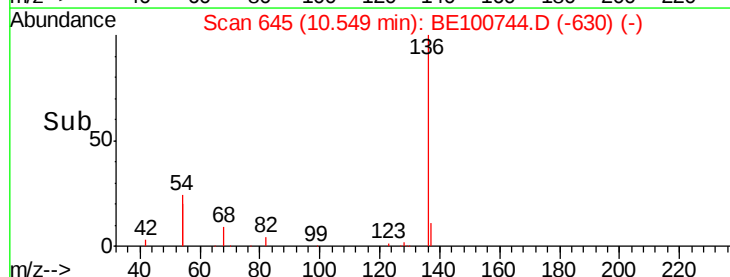
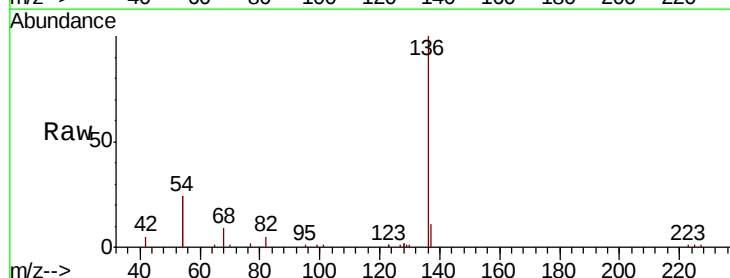
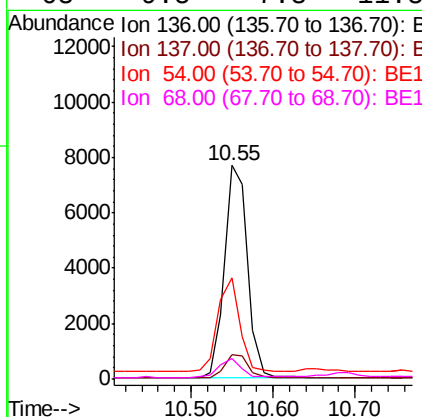
RT: 10.55 min Scan# 645

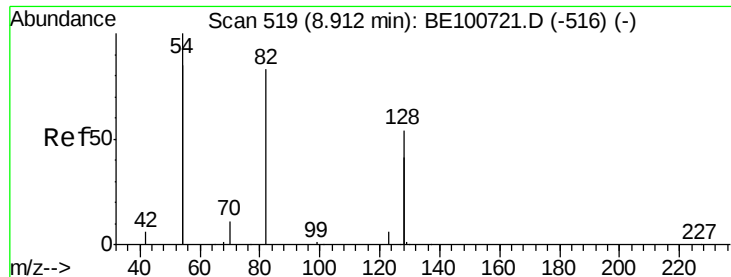
Delta R.T. 0.00 min

Lab File: BE100744.D

Acq: 15 Nov 2019 19:21

Tgt Ion:	136	Resp:	14926
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	47.5	39.0	58.6
68	9.5	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.050 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100744.D

Acq: 15 Nov 2019 19:21

Instrument :

BNA_E

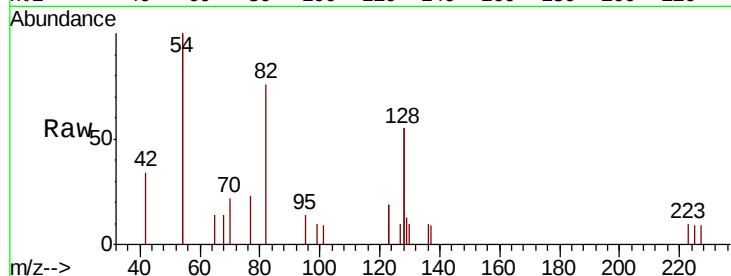
ClientSampleId :

EXT-034-SW092-110619-4

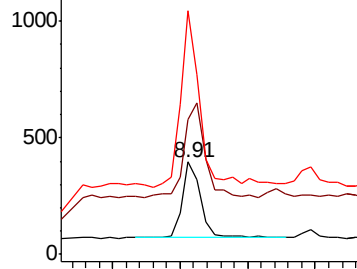
Tot Ion:	82	Resp:	638
Ion	Ratio	Lower	Upper
82	100		
128	146.3	99.6	149.4
54	264.3	183.8	275.8

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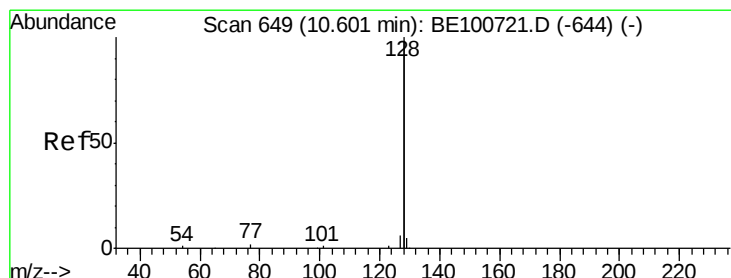
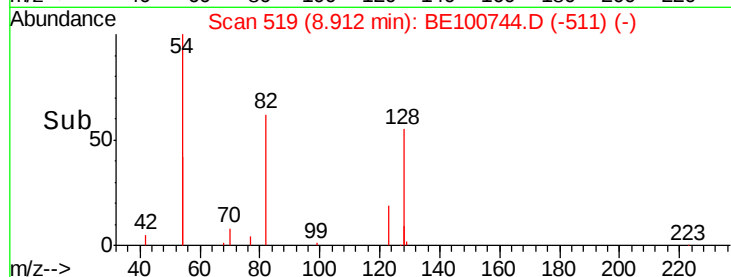
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1



Time-->



#9

Naphthalene

Concen: 0.071 ng

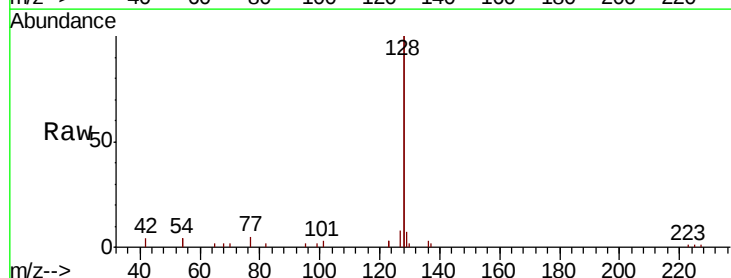
RT: 10.60 min Scan# 649

Delta R.T. 0.00 min

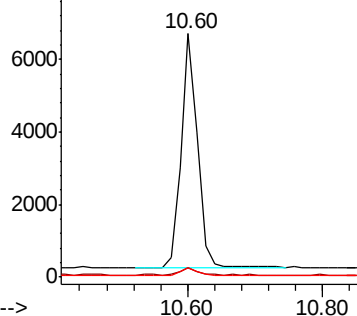
Lab File: BE100744.D

Acq: 15 Nov 2019 19:21

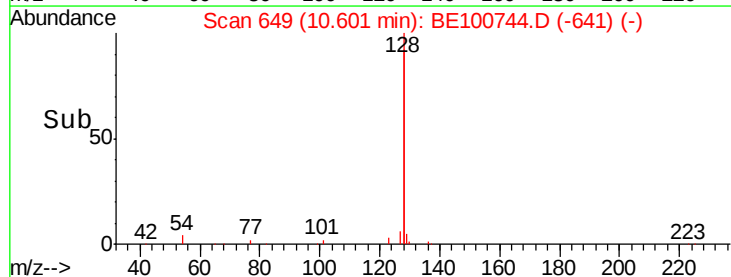
Tgt Ion:	128	Resp:	10972
Ion	Ratio	Lower	Upper
128	100		
129	3.7	2.4	3.6#
127	3.9	2.7	4.1

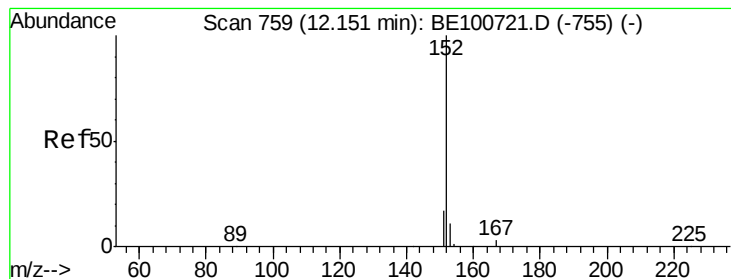


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->





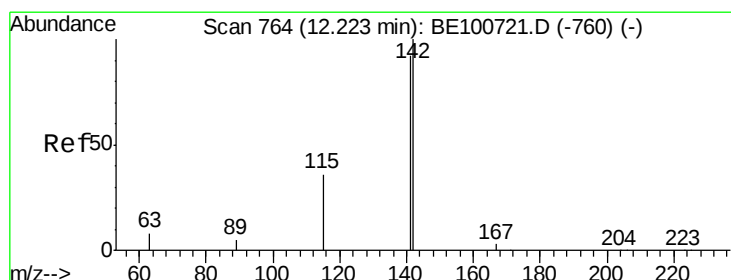
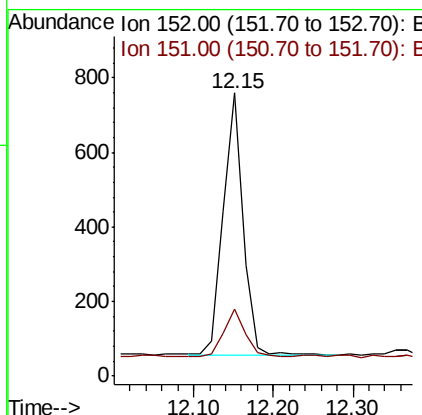
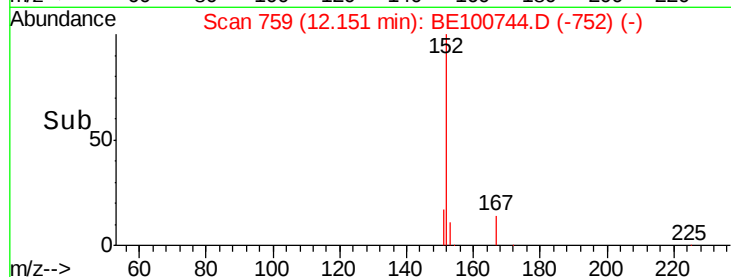
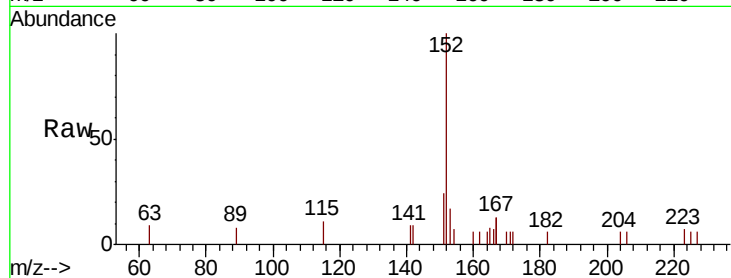
#11
2-Methylnaphthalene-d10
Concen: 0.051 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	14.2	21.4

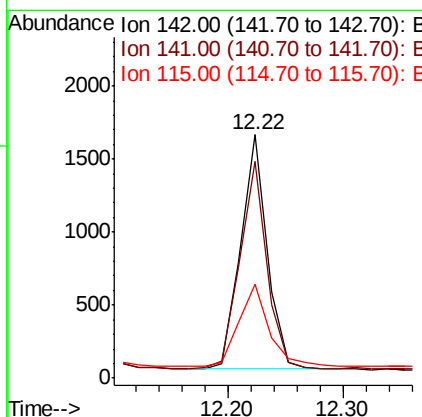
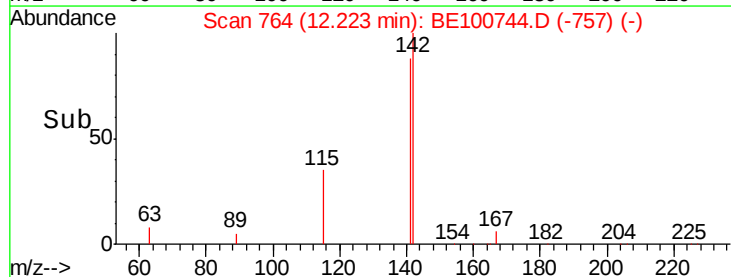
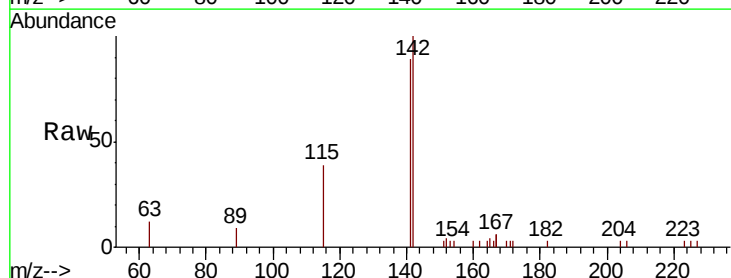
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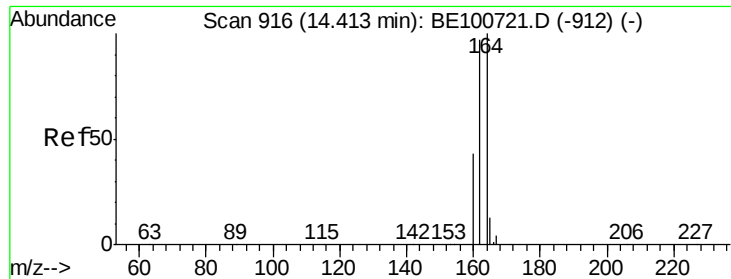
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#12
2-Methylnaphthalene
Concen: 0.097 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.3	109.9
115	38.7	29.9	44.9





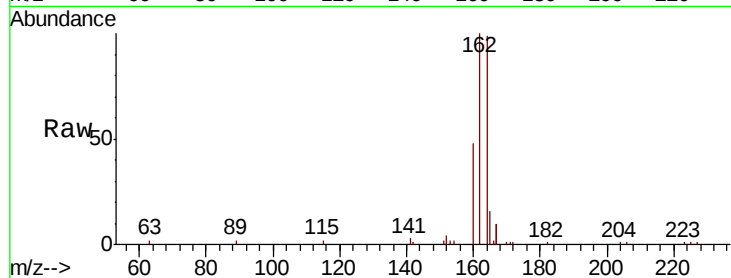
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	77.8	116.8
160	48.3	35.3	52.9

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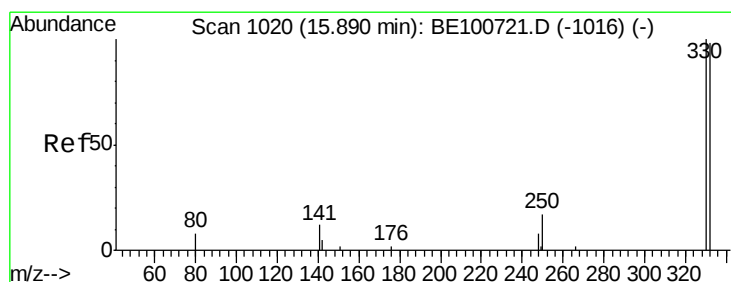
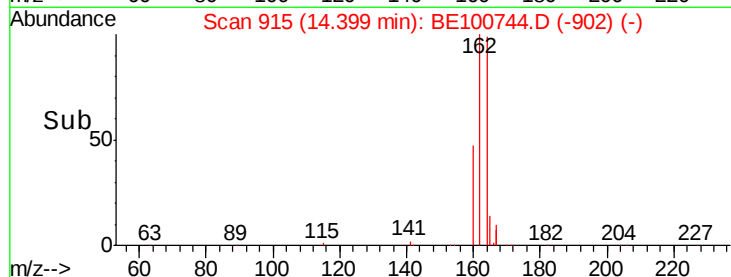
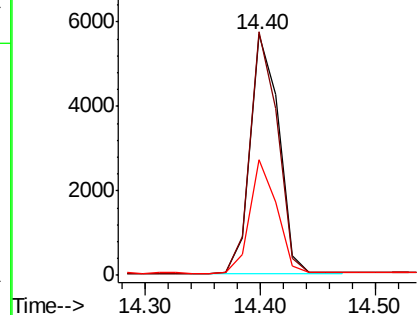


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.132 ng
RT: 15.89 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

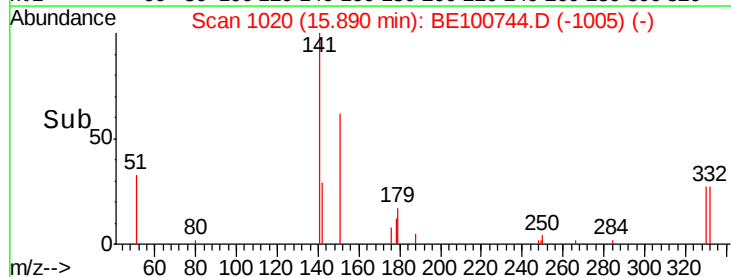
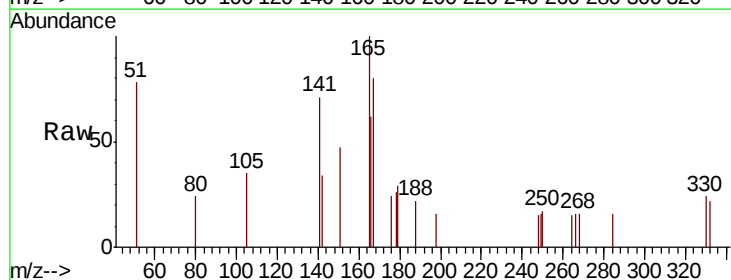
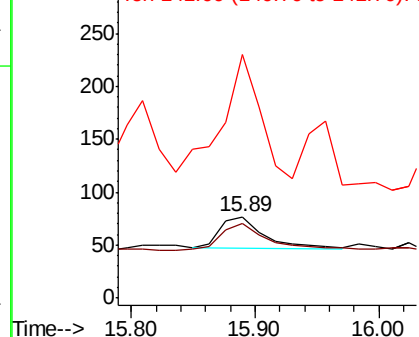
Tgt Ion	Ratio	Lower	Upper
330	100		
332	90.9	85.0	127.6
141	339.0	28.2	42.2#

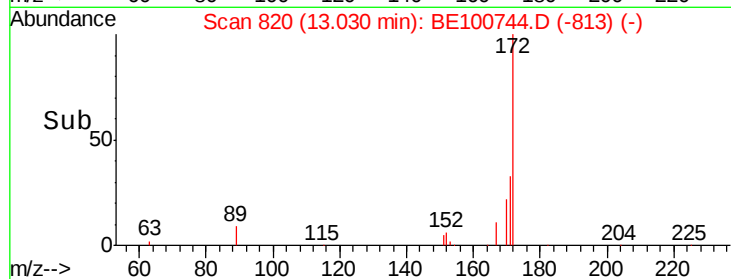
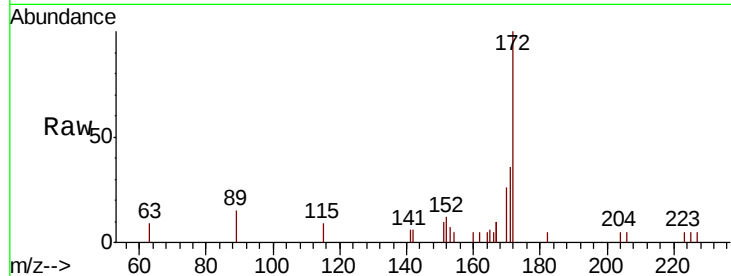
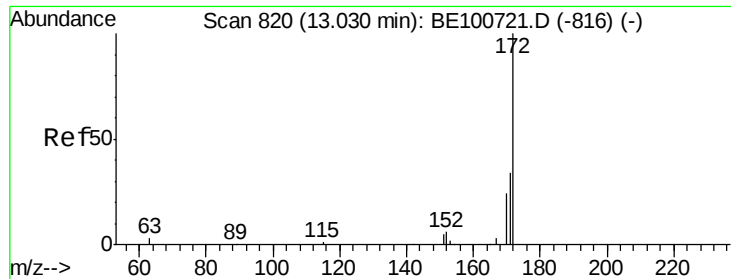
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





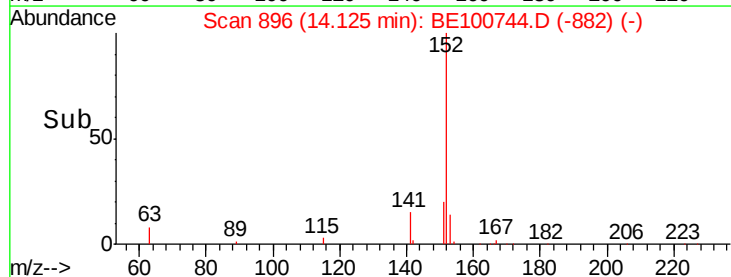
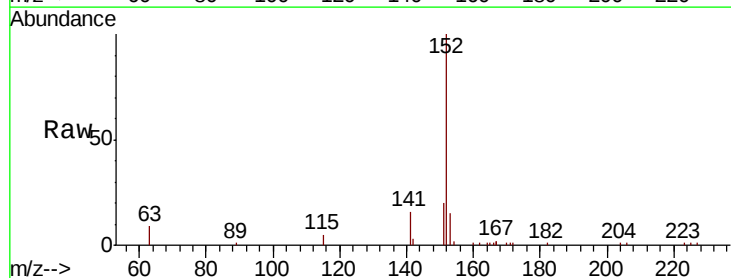
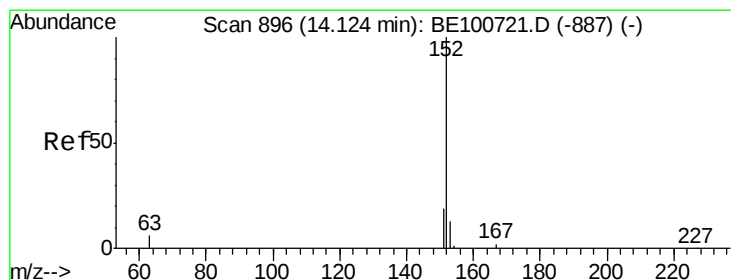
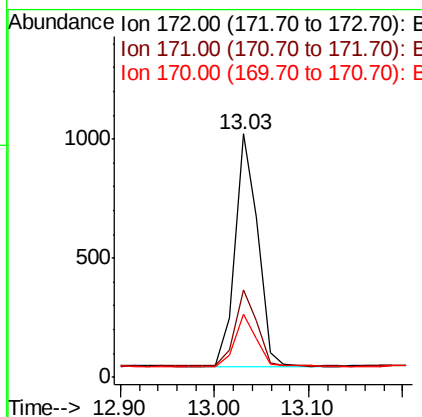
#15
2-Fluorobiphenyl
Concen: 0.046 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	26.0	19.8	29.6

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

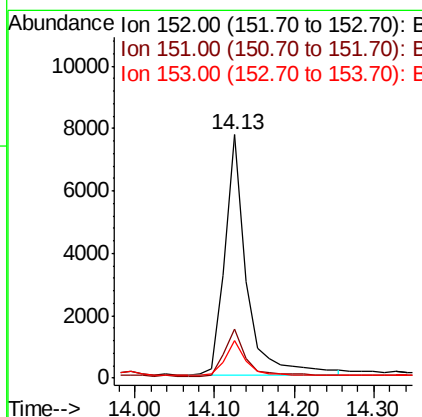
Manual Integrations
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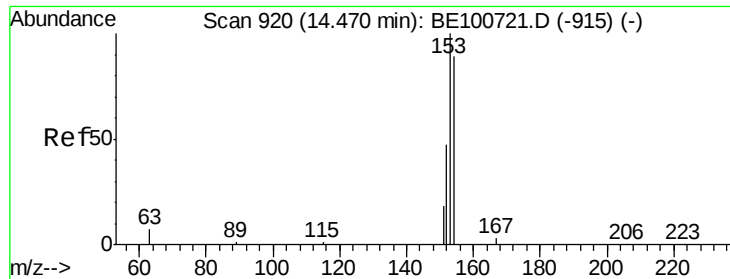
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#16
Acenaphthylene
Concen: 0.370 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	14.9	22.3
153	14.3	10.7	16.1





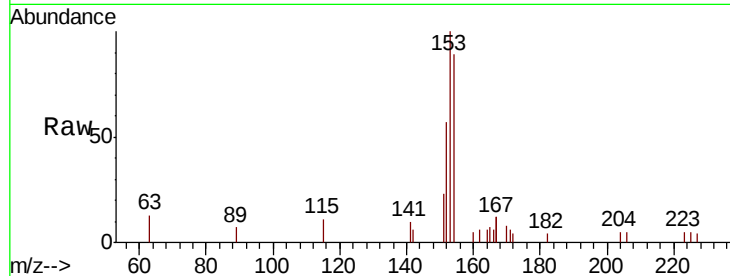
#17
Acenaphthene
Concen: 0.058 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.1	91.9	137.9
152	62.8	44.8	67.2

Manual Integrations
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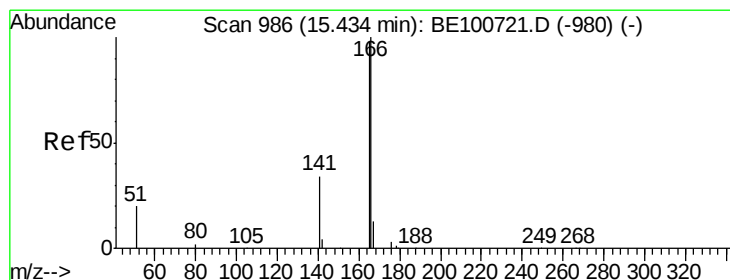
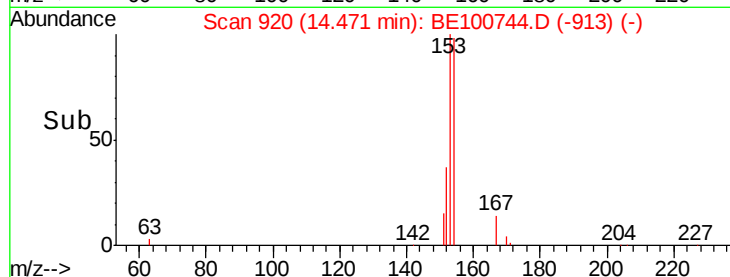
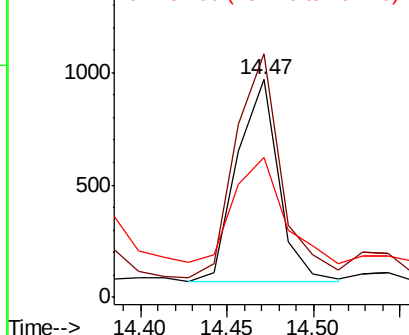


Abundance

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: 0.144 ng
RT: 15.43 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

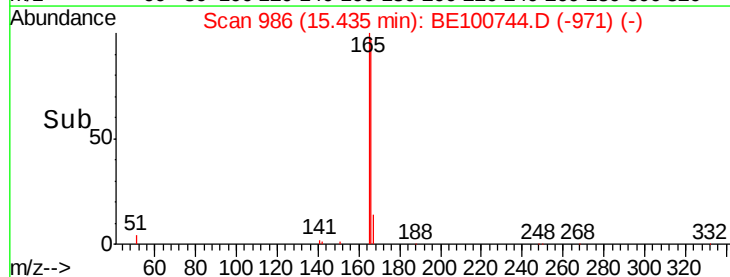
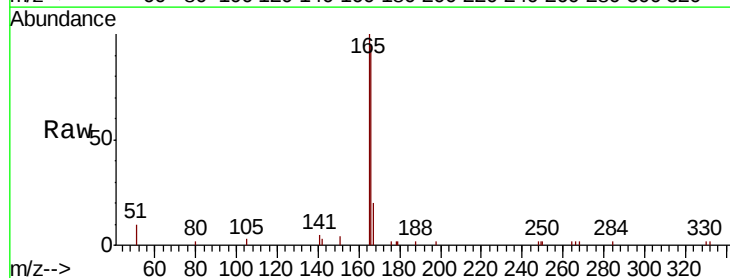
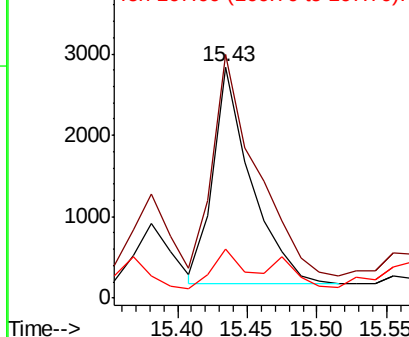
Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.7	78.2	117.4#
167	16.7	10.6	16.0#

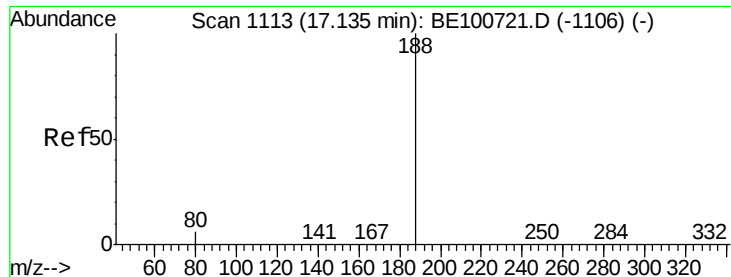
Abundance

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





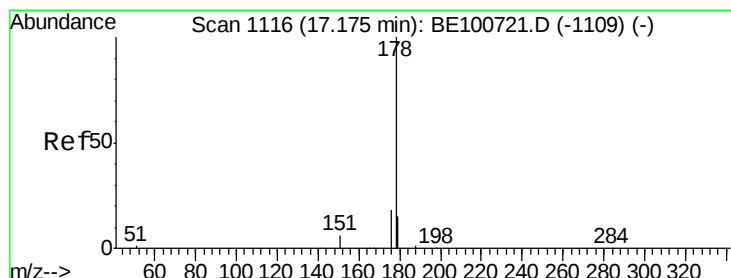
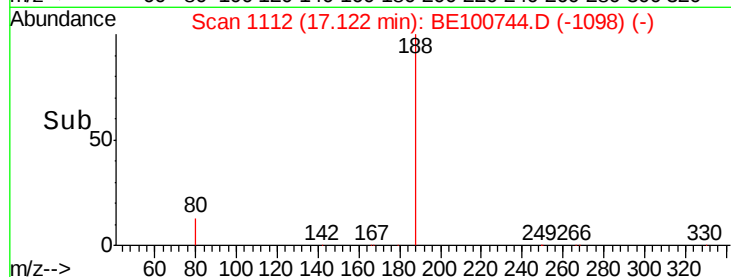
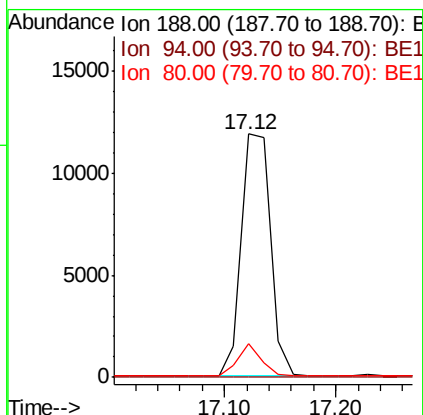
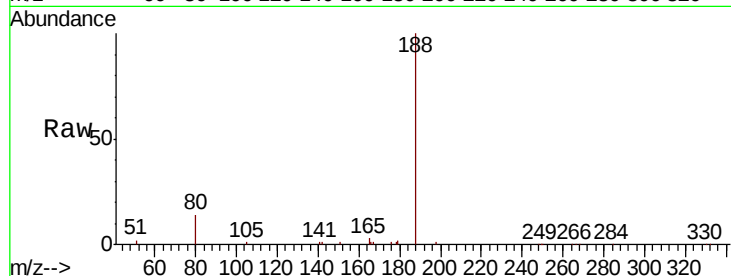
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.1	5.4	8.0#

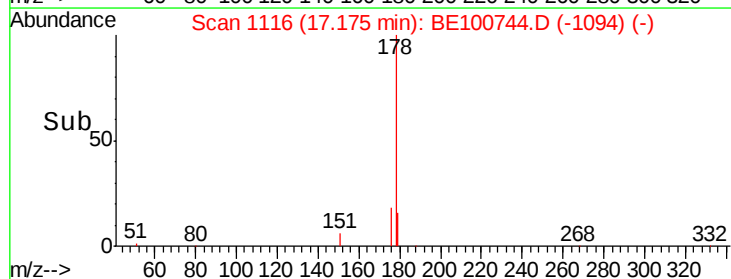
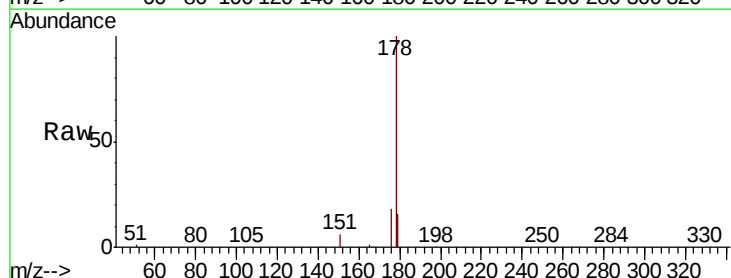
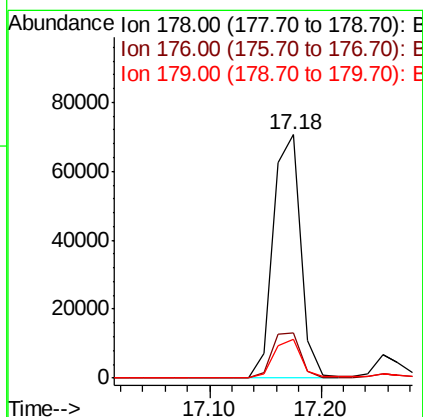
Manual Integrations
APPROVED

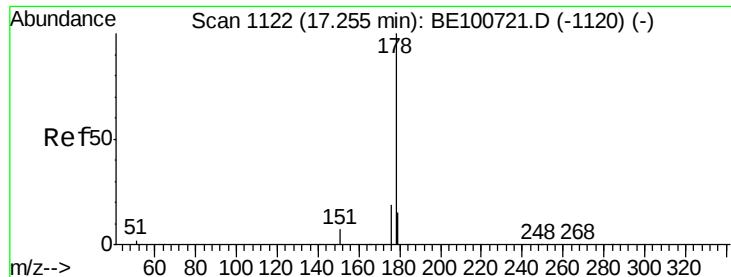
mohammad
11/18/2019 3:05:42 PM



#23
Phenanthrene
Concen: 2.066 ng
RT: 17.18 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.6	12.6	18.8





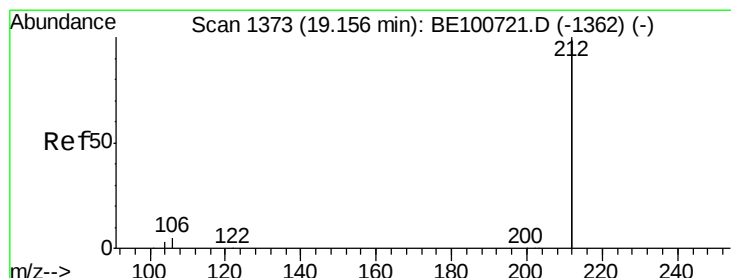
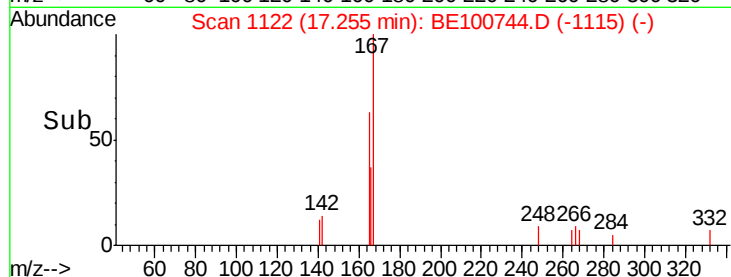
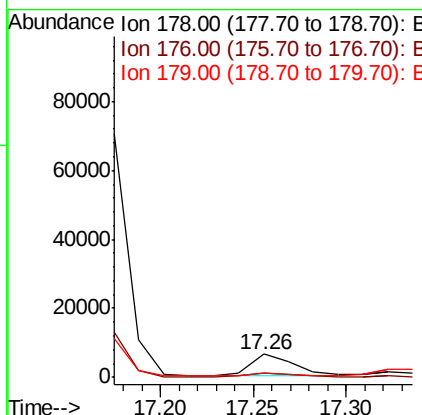
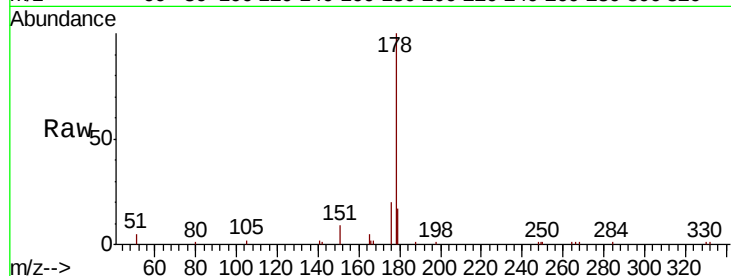
#24
 Anthracene
 Concen: 0.199 ng
 RT: 17.26 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BE100744.D
 Acq: 15 Nov 2019 19:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	14.0	12.6	18.8

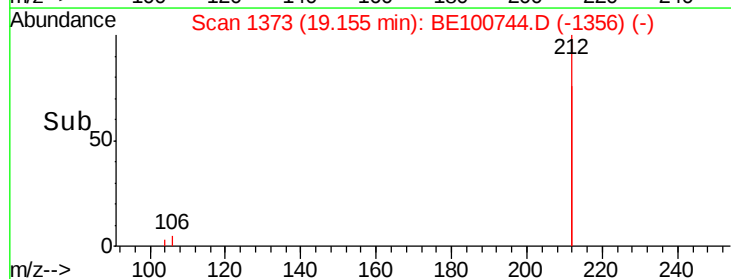
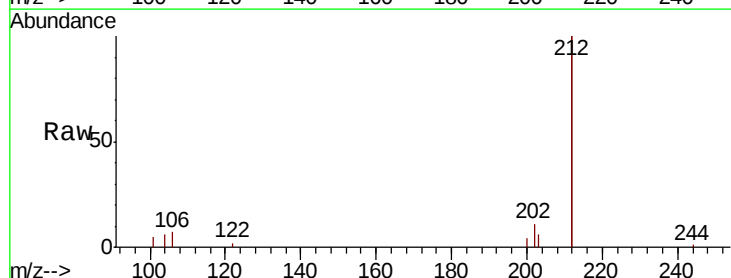
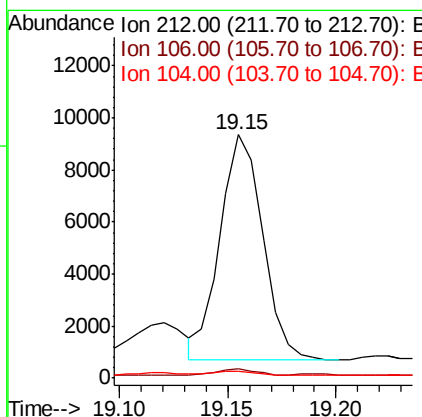
Manual Integrations
 APPROVED

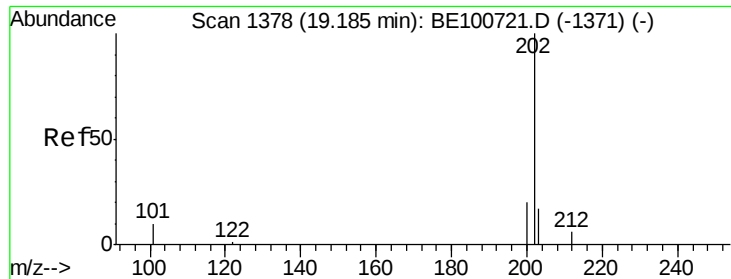
mohammad
 11/18/2019 3:05:42 PM



#25
 Fluoranthene-d10
 Concen: 0.041 ng
 RT: 19.15 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BE100744.D
 Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.4
104	1.9	1.2	1.8





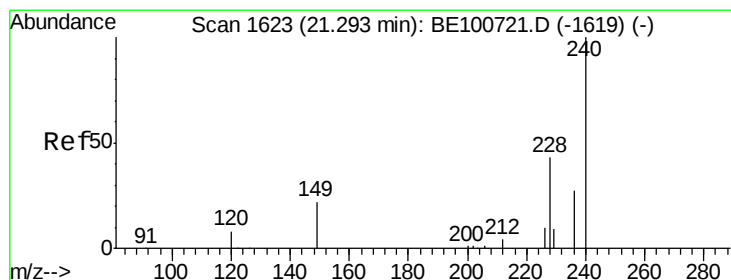
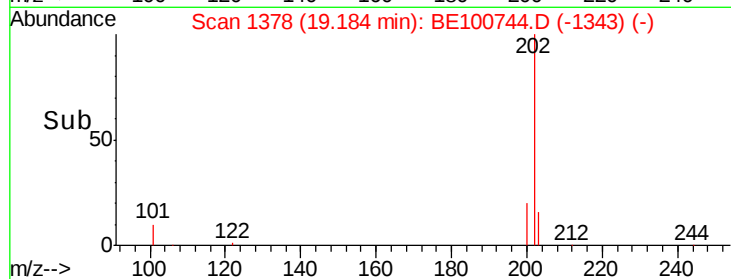
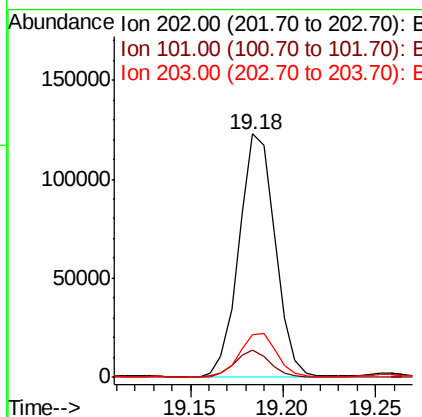
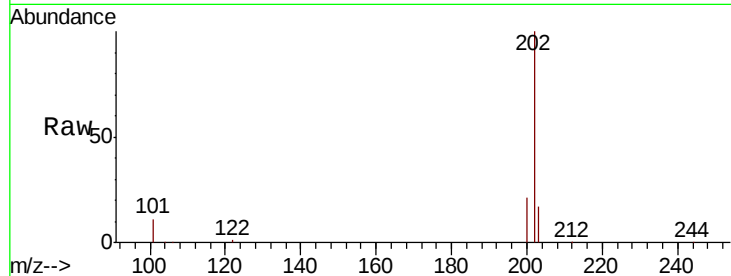
#26
Fluoranthene
Concen: 2.109 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	8.6	12.8
203	18.0	13.6	20.4

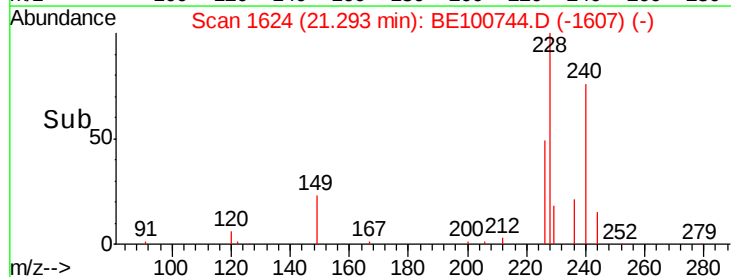
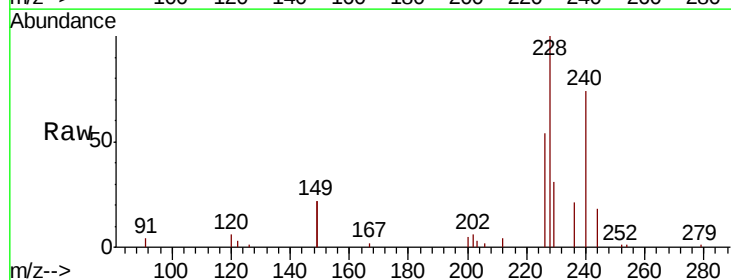
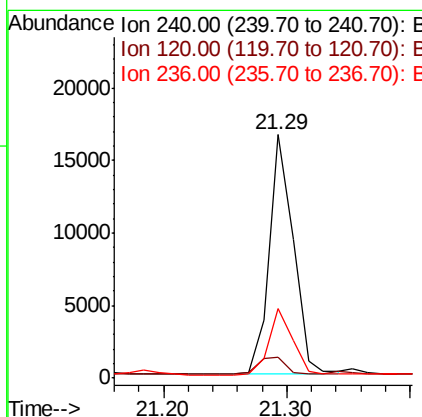
Manual Integrations
APPROVED

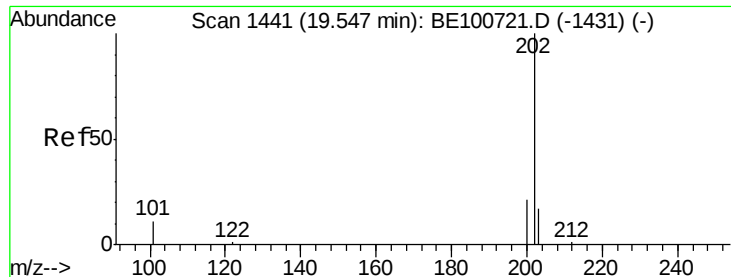
mohammad
11/18/2019 3:05:42 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.6	7.4	11.0
236	28.3	21.8	32.6





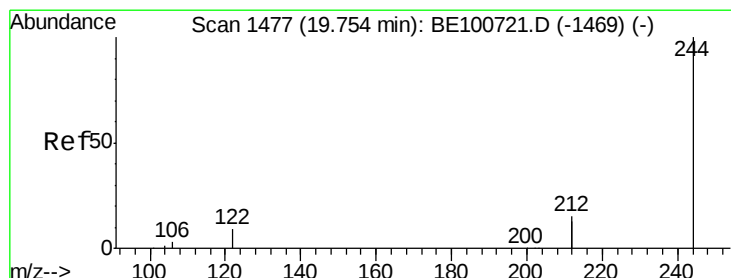
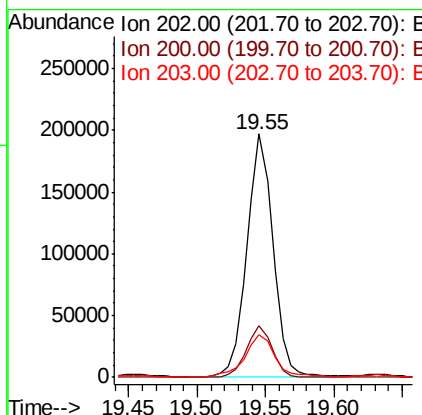
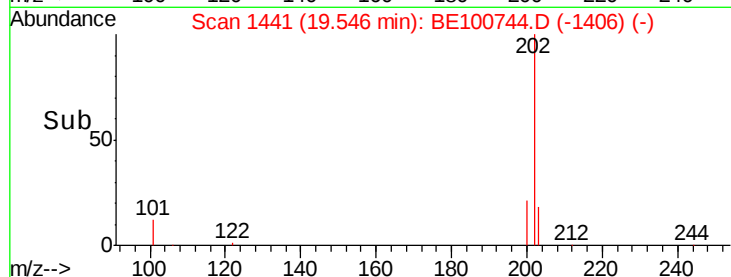
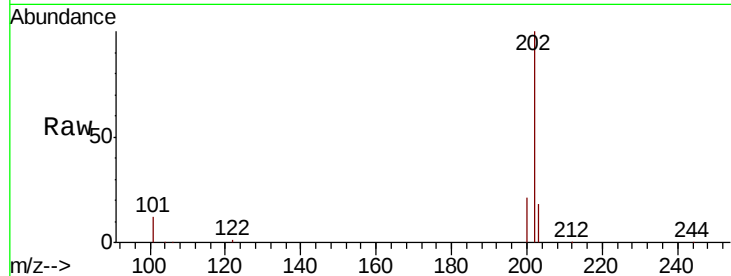
#28
Pvrene
Concen: 4.080 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.0	25.4	
203	20.3	14.0	21.0	

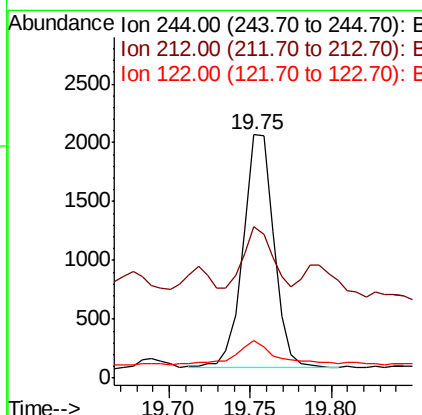
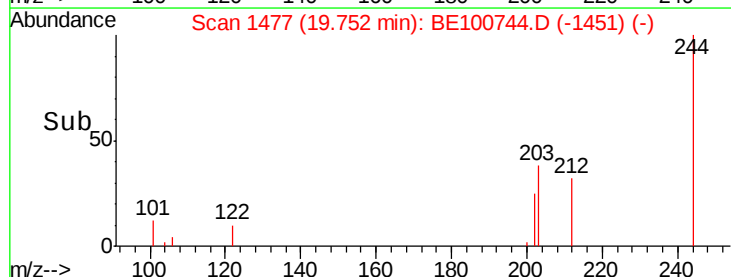
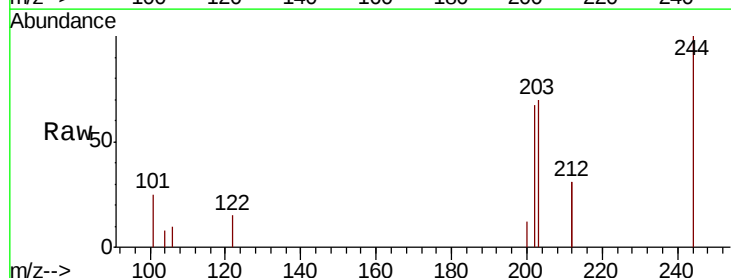
Manual Integrations
APPROVED

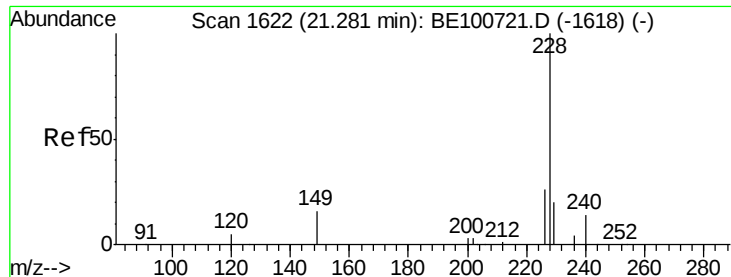
mohammad
11/18/2019 3:05:42 PM



#29
Terphenyl-d14
Concen: 0.048 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	62.3	24.3	36.5#	
122	15.3	7.6	11.4#	





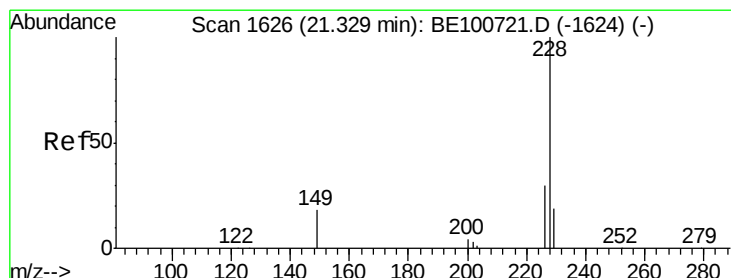
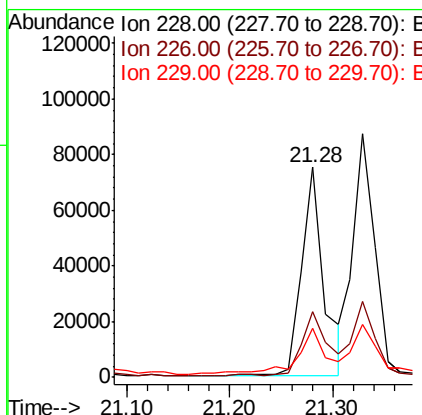
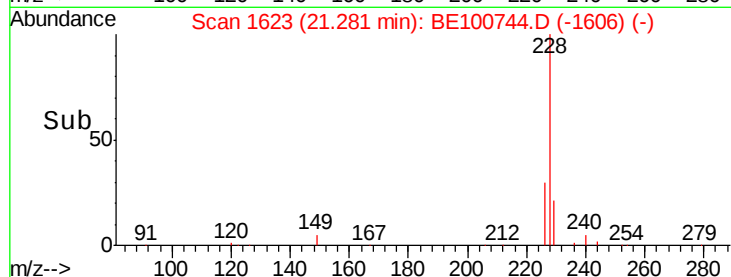
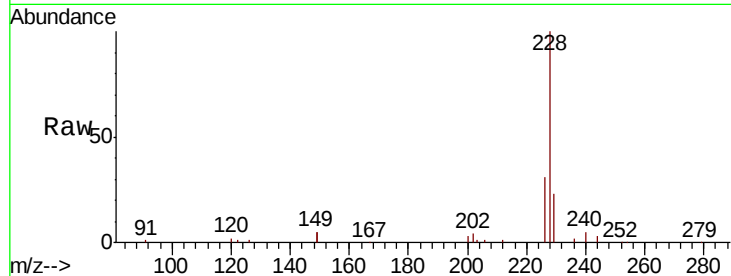
#30
Benzo(a)anthracene
Concen: 1.573 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.1	31.7
229	23.2	15.9	23.9

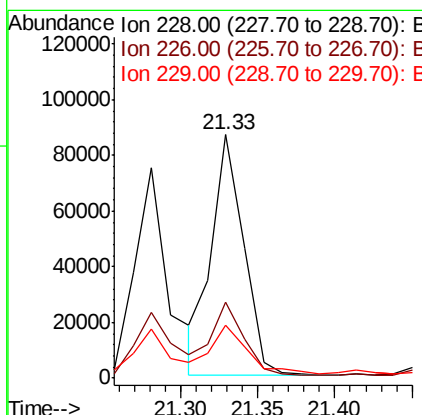
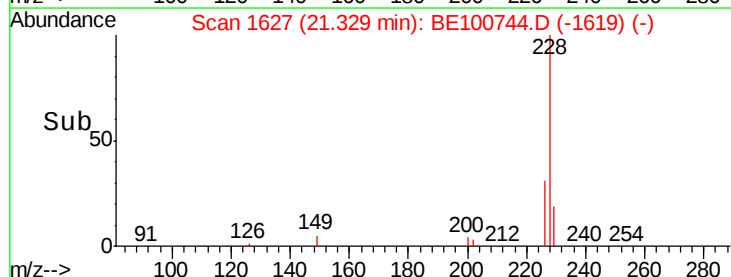
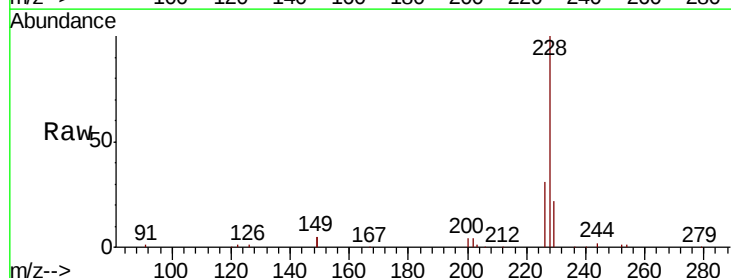
Manual Integrations
APPROVED

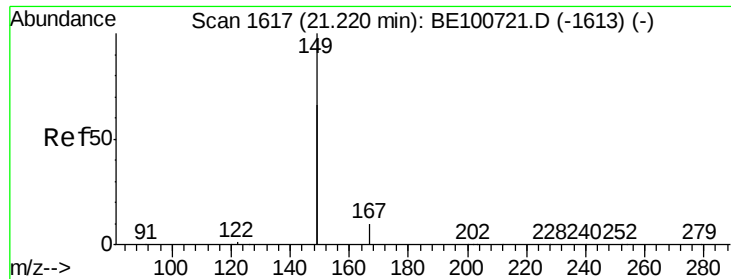
mohammad
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#31
Chrysene
Concen: 1.689 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.5	36.7
229	21.8	15.5	23.3





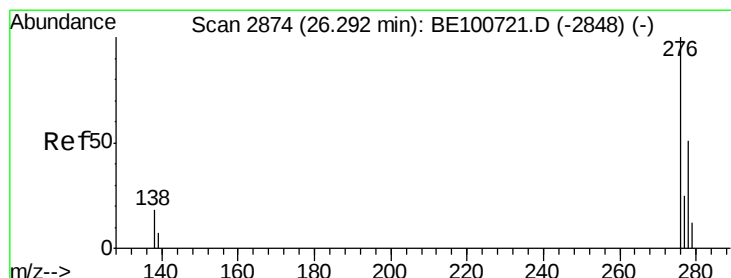
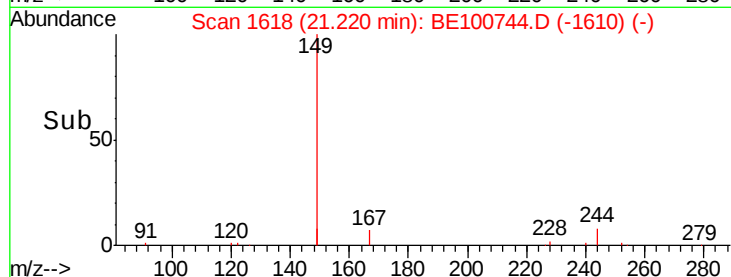
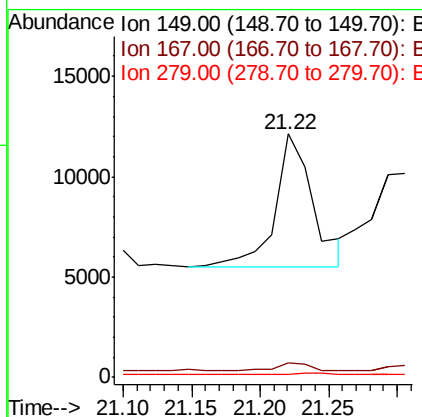
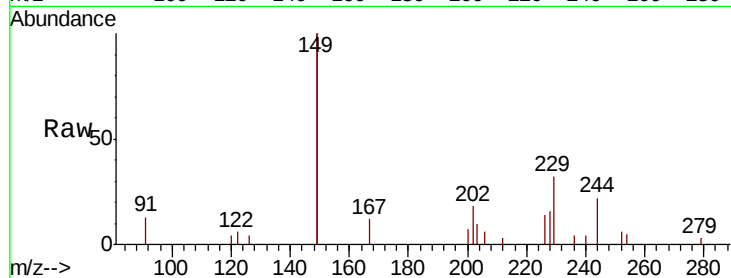
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.098 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
149	100		
167	5.9	5.2	7.8
279	1.2	0.9	1.3

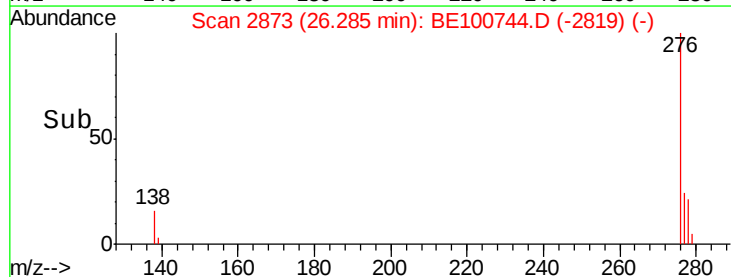
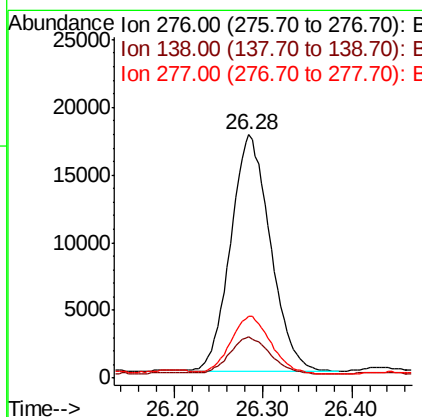
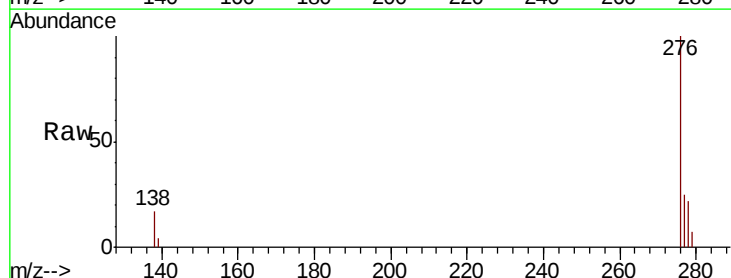
Manual Integrations
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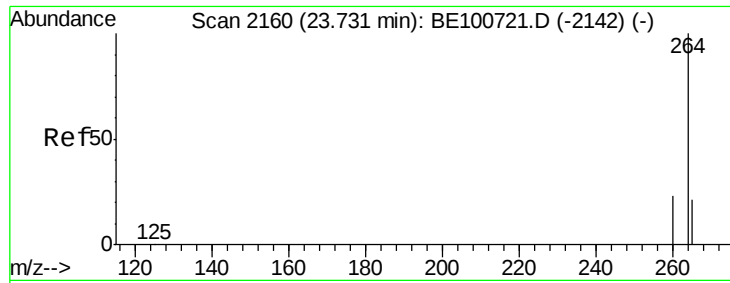
mohammad
11/18/2019 3:05:42 PM



#33
Indeno(1,2,3-cd)pyrene
Concen: 0.626 ng
RT: 26.28 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.8	22.2
277	24.9	19.6	29.4





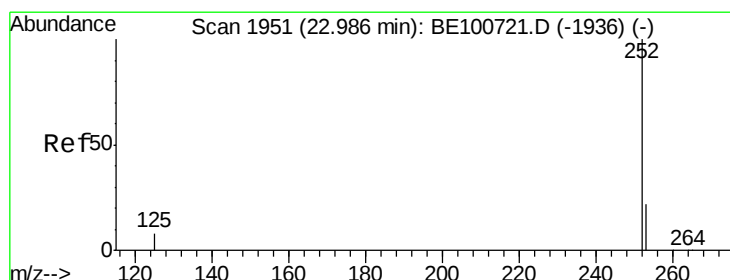
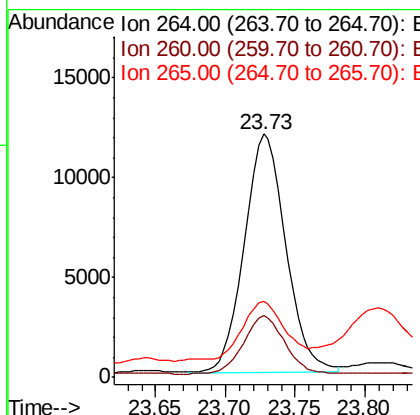
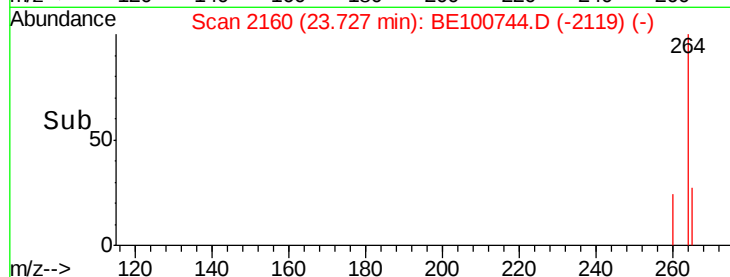
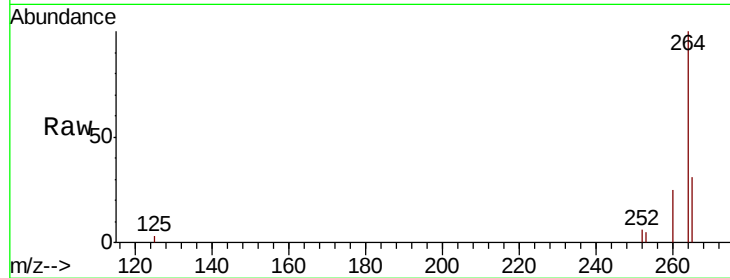
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.73 min Scan# 2160
 Delta R.T. -0.00 min
 Lab File: BE100744.D
 Acq: 15 Nov 2019 19:21

Instrument :
 BNA_E
 ClientSampleId :
 EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.1	28.7
265	31.1	19.7	29.5

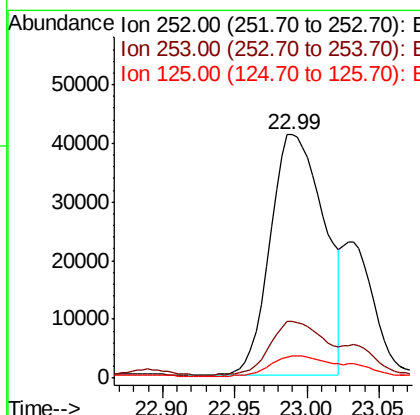
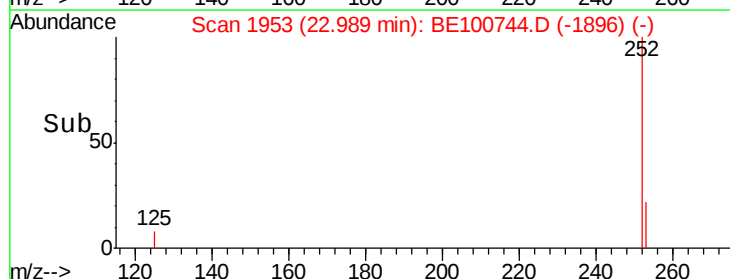
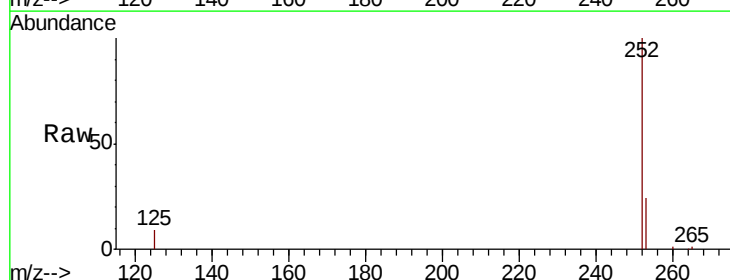
Manual Integrations
 APPROVED

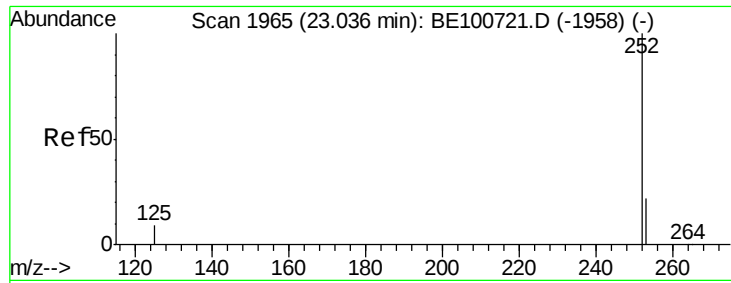
mohammad
 11/18/2019 3:05:42 PM



#35
 Benzo(b)fluoranthene
 Concen: 1.474 ng
 RT: 22.99 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BE100744.D
 Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	9.0	7.0	10.4





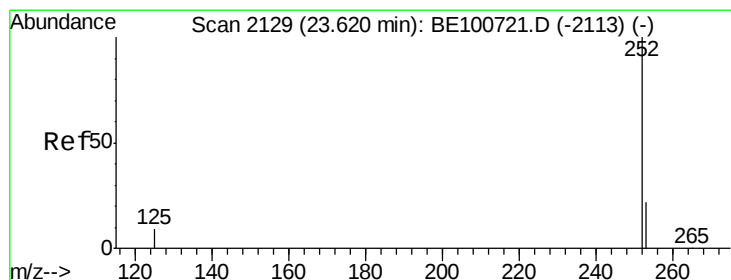
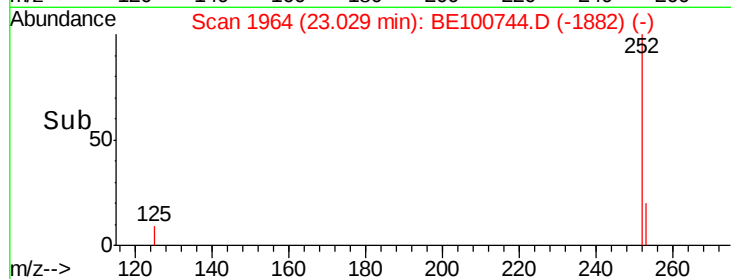
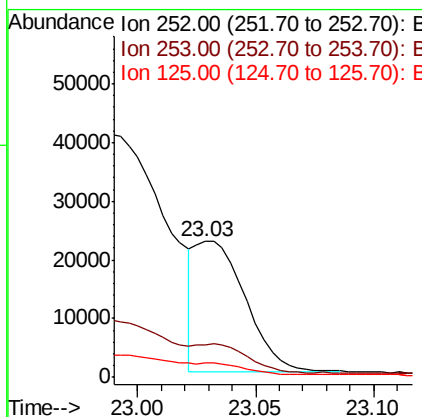
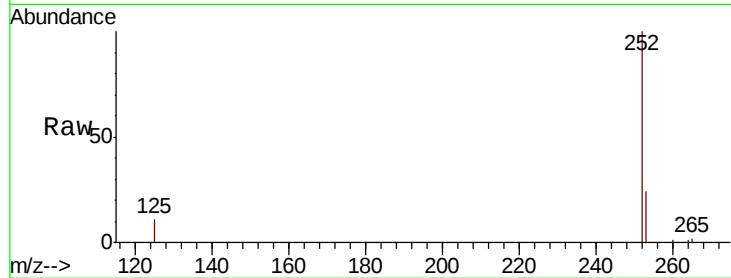
#36
Benzo(k)fluoranthene
Concen: 0.436 ng m
RT: 23.03 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.6	27.8
125	10.5	7.6	11.4

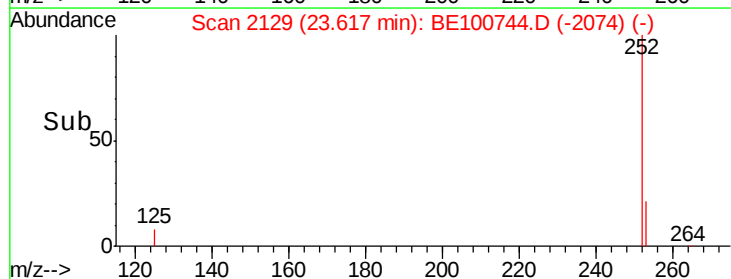
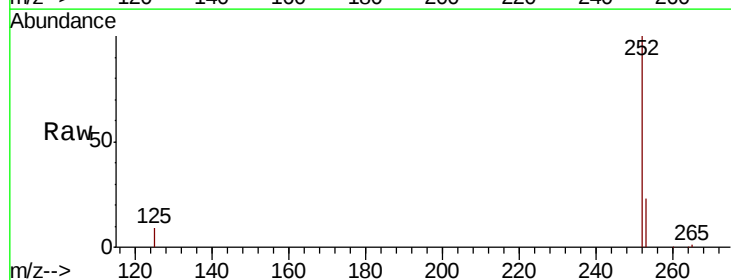
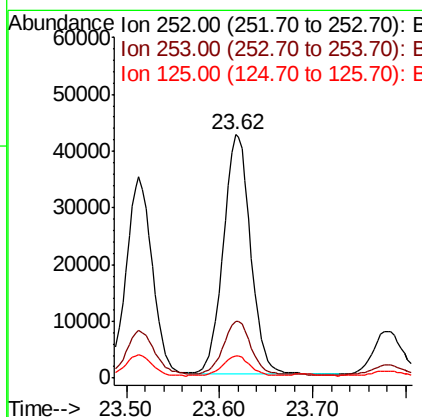
Manual Integrations
APPROVED

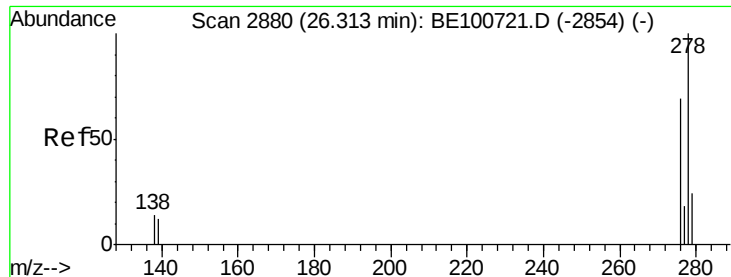
mohammad
11/18/2019 3:05:42 PM



#37
Benzo(a)pyrene
Concen: 1.280 ng
RT: 23.62 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	9.1	7.9	11.9





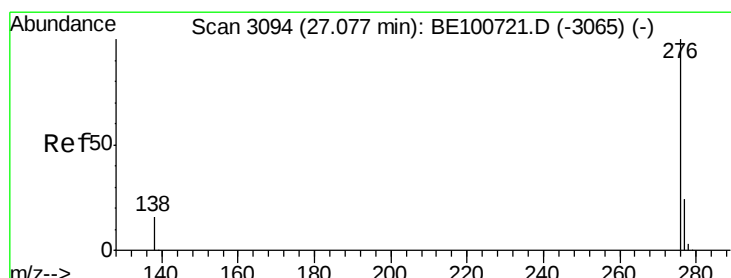
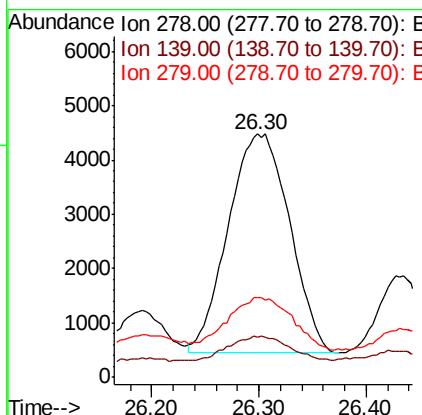
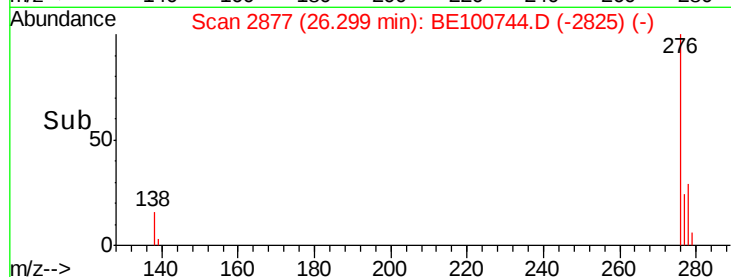
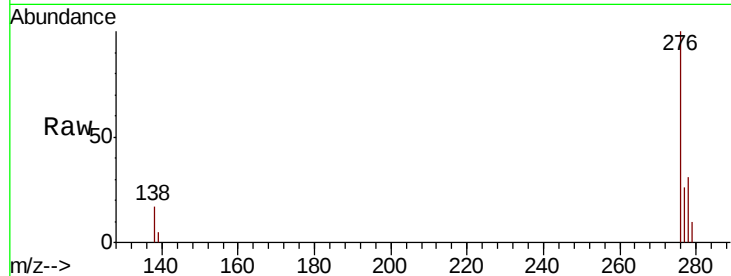
#38
Dibenzo(a,h)anthracene
Concen: 0.227 ng
RT: 26.30 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Instrument :
BNA_E
ClientSampleId :
EXT-034-SW092-110619-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.6	10.3	15.5#
279	32.9	20.6	31.0#

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:42 PM



#39
Benzo(g,h,i)perylene
Concen: 0.915 ng
RT: 27.08 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BE100744.D
Acq: 15 Nov 2019 19:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.6
138	17.2	13.6	20.4

