

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100741.D
 Acq On : 15 Nov 2019 17:31
 Operator : JU
 Sample : K5728-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW135-110619-1

Manual Integrations
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 11/18/2019 3:05:32 PM

Quant Time: Nov 15 23:15:34 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	3437	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	14910	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	9718	0.40	ng	-0.01
19) Phenanthrene-d10	17.14	188	22214	0.40	ng	0.00
27) Chrysene-d12	21.29	240	24050	0.40	ng	0.00
34) Perylene-d12	23.73	264	25613	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2584	0.26	ng	0.00
5) Phenol-d6	6.94	99	4258	0.30	ng	0.00
8) Nitrobenzene-d5	8.91	82	2847	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	5400	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	311	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	7136	0.20	ng	0.00
25) Fluoranthene-d10	19.16	212	56891	0.19	ng	0.00
29) Terphenyl-d14	19.75	244	10700	0.19	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.60	128	7793	0.050	ng	# 97
12) 2-Methylnaphthalene	12.22	142	1873	0.071	ng	97
16) Acenaphthylene	14.13	152	16847	0.429	ng	98
17) Acenaphthene	14.47	154	1035	0.040	ng	# 88
18) Fluorene	15.43	166	4589	0.130	ng	# 82
23) Phenanthrene	17.18	178	108143	1.786	ng	99
24) Anthracene	17.26	178	8949	0.165	ng	96
26) Fluoranthene	19.18	202	150264	1.858	ng	98
28) Pyrene	19.55	202	211961	3.170	ng	97
30) Benzo(a)anthracene	21.28	228	95626m	1.239	ng	
31) Chrysene	21.33	228	105126	1.342	ng	98
32) Bis(2-ethylhexyl)phthalate	21.22	149	27883	0.204	ng	98
33) Indeno(1,2,3-cd)pyrene	26.29	276	51797	0.564	ng	97
35) Benzo(b)fluoranthene	22.99	252	99704	1.334	ng	100
36) Benzo(k)fluoranthene	23.03	252	30447m	0.389	ng	
37) Benzo(a)pyrene	23.62	252	75917	1.090	ng	99
38) Dibenzo(a,h)anthracene	26.30	278	13581	0.187	ng	# 89
39) Benzo(a,h,i)perylene	27.08	276	59023	0.828	ng	100

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

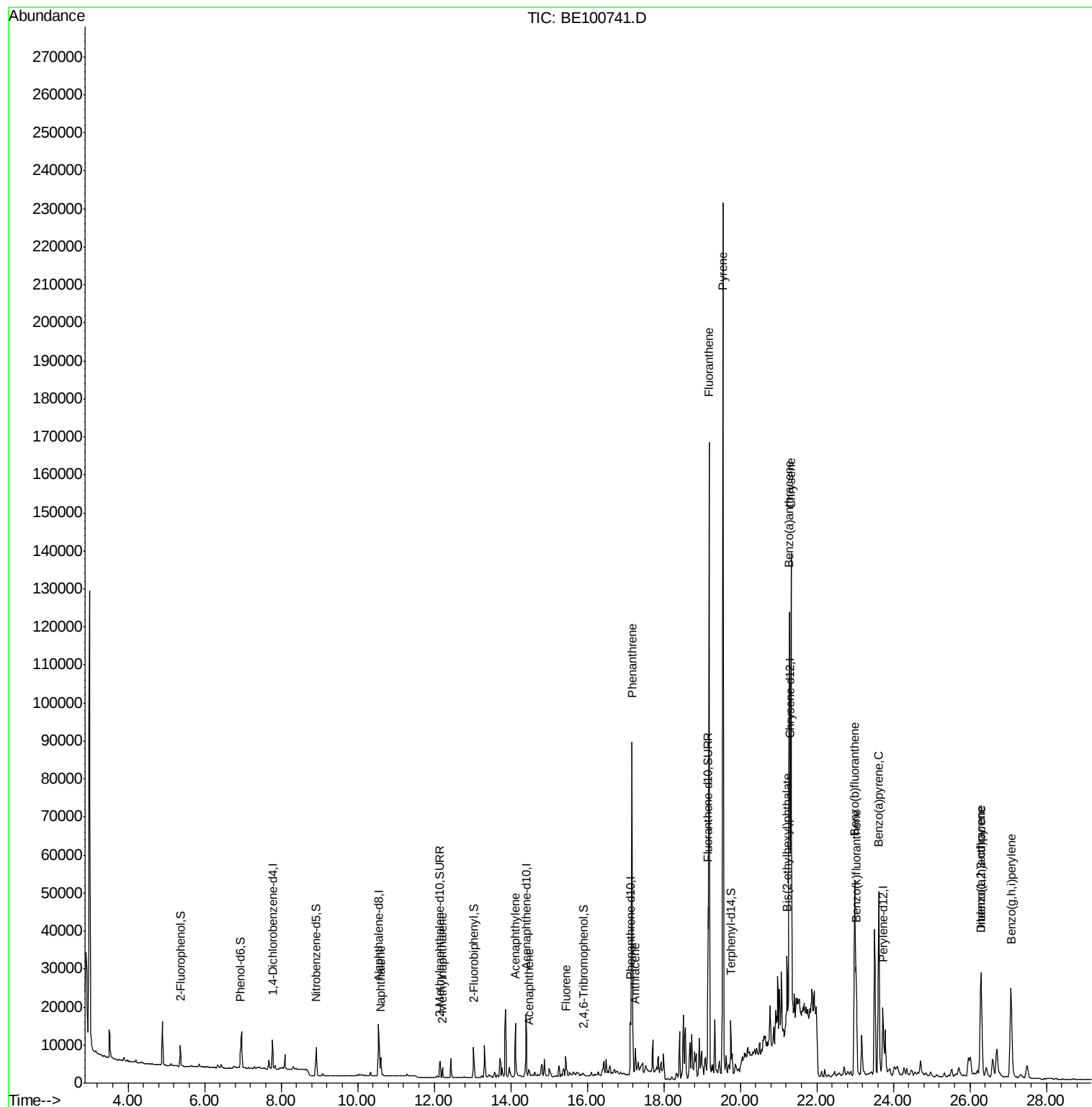
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
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ALS Vial : 14 Sample Multiplier: 1

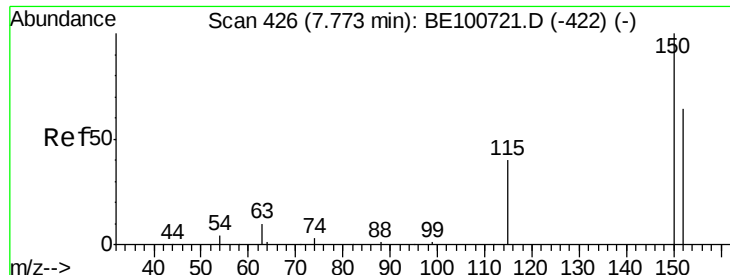
Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

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Quant Time: Nov 15 23:15:34 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





#1

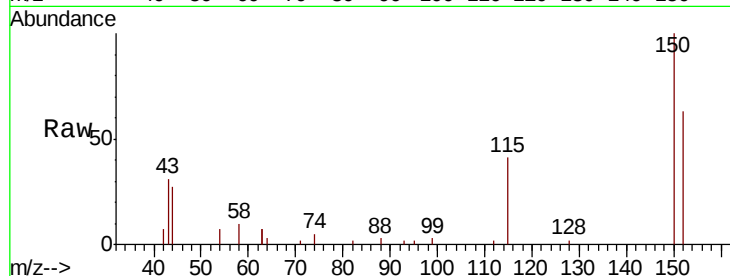
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.4	185.0
115	64.9	52.1	78.1

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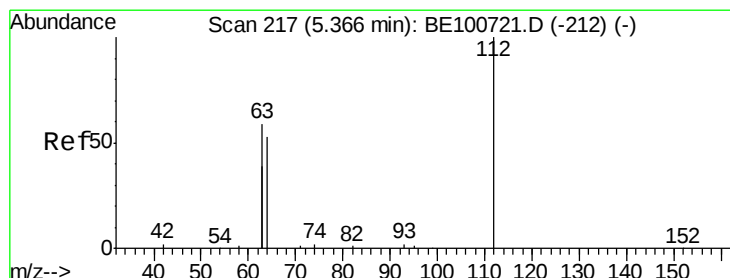
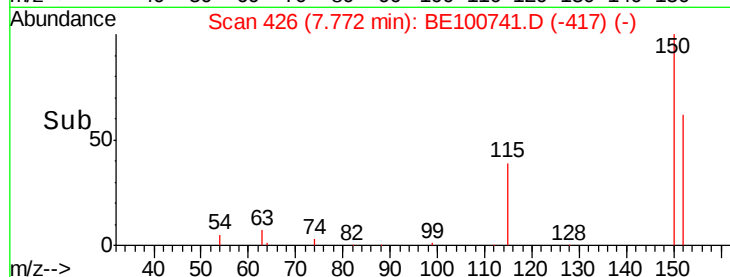
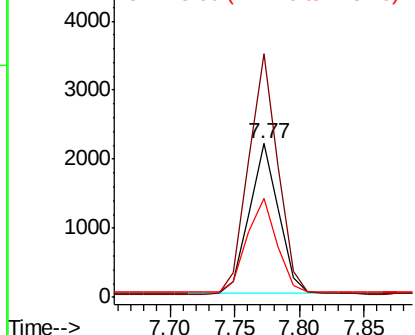


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

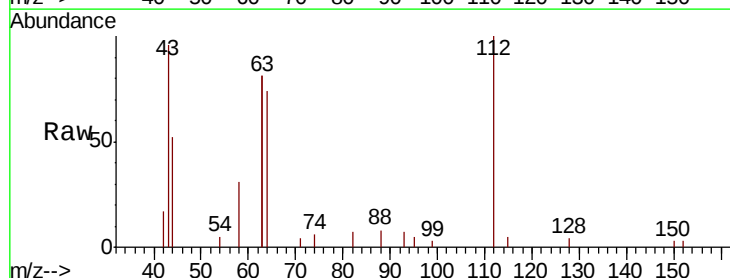
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.257 ng
RT: 5.37 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	58.3	87.5
63	151.7	115.4	173.2

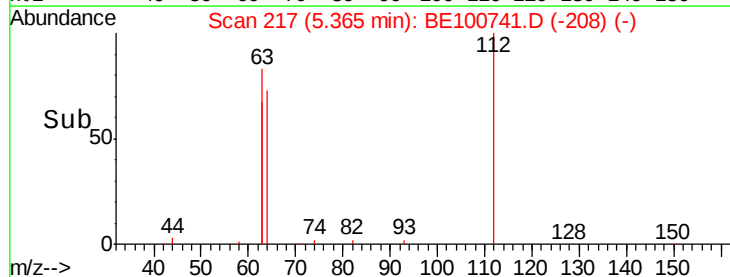
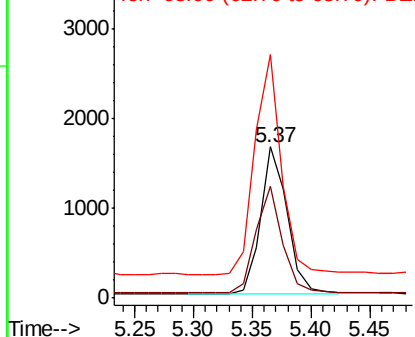


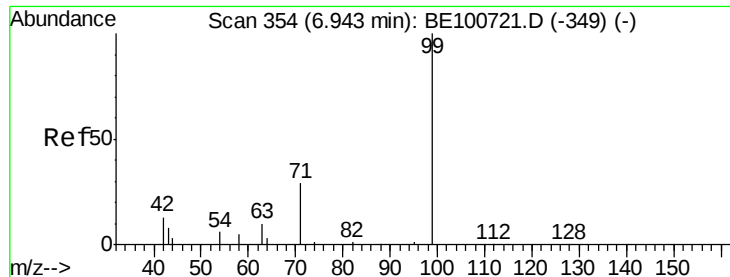
Abundance

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





#5

Phenol-d6

Concen: 0.300 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

Instrument :

BNA_E

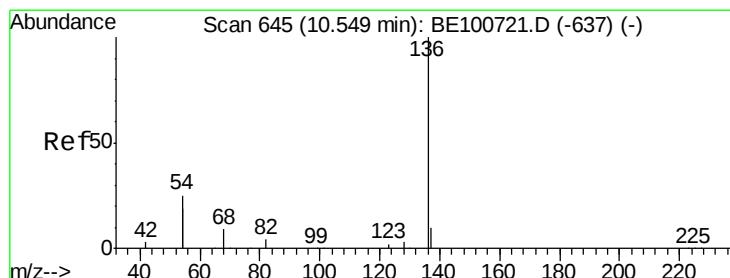
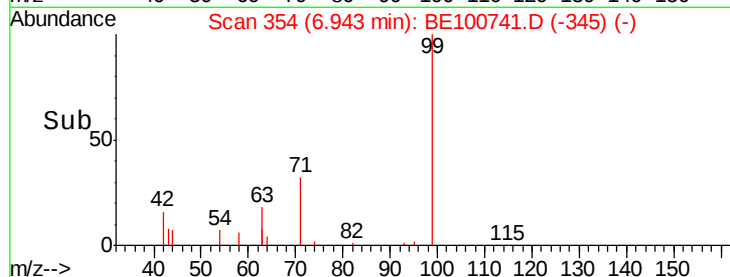
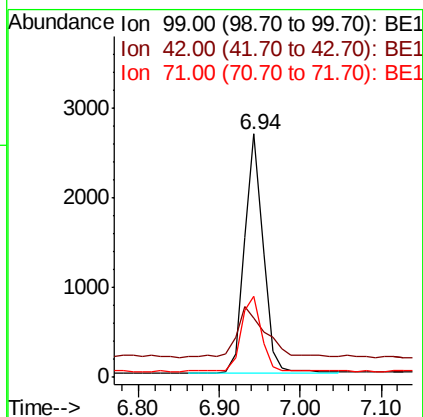
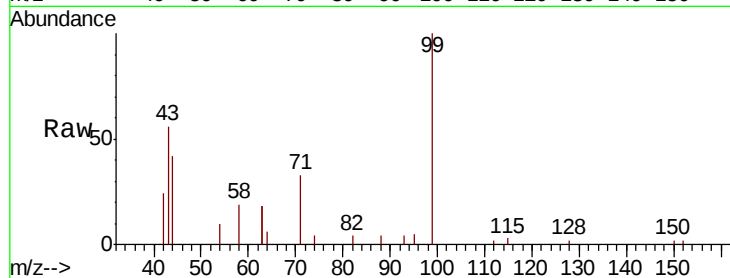
ClientSampleId :

PST-024-SW135-110619-1

Tot Ion:	99	Resp:	4258
Ion	Ratio	Lower	Upper
99	100		
42	29.8	17.8	26.6#
71	33.1	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

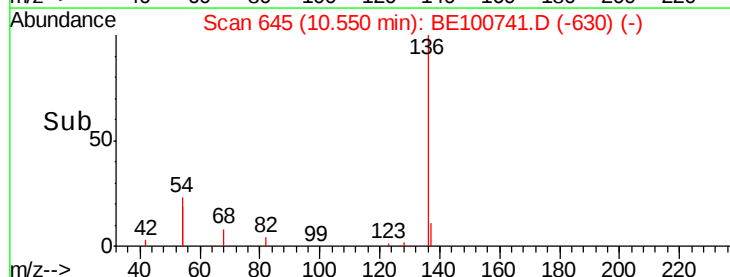
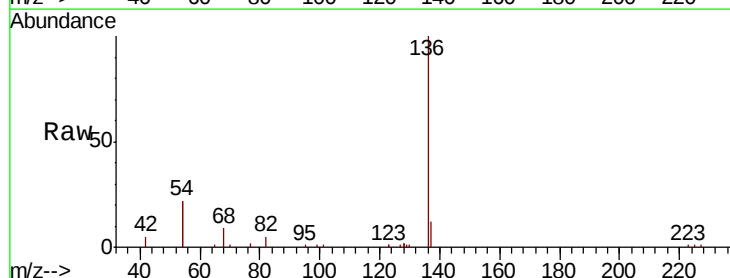
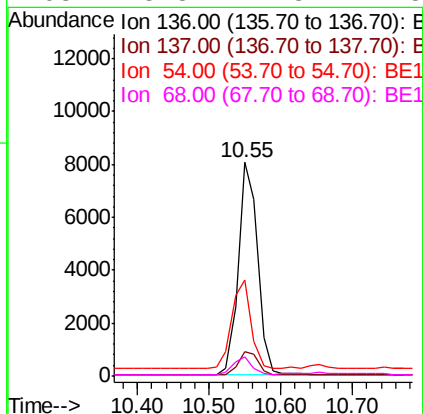
RT: 10.55 min Scan# 645

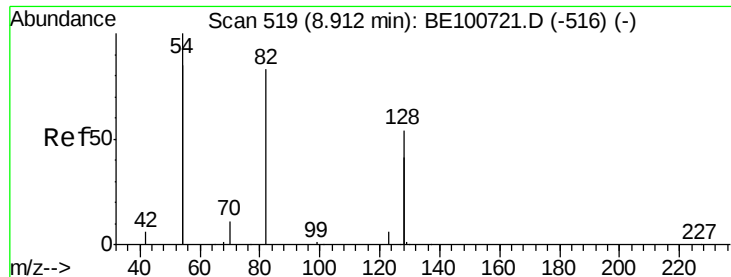
Delta R.T. 0.00 min

Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

Tgt Ion:	136	Resp:	14910
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.1	13.7
54	44.8	39.0	58.6
68	8.8	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.225 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

Instrument :

BNA_E

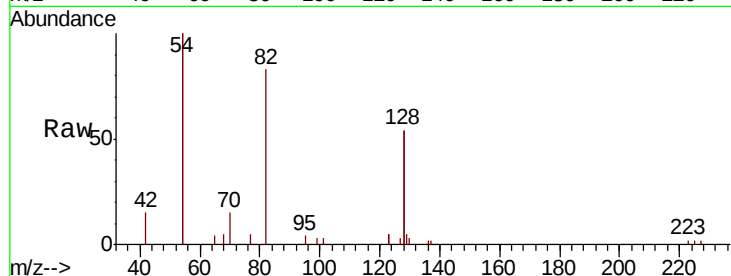
ClientSampleId :

PST-024-SW135-110619-1

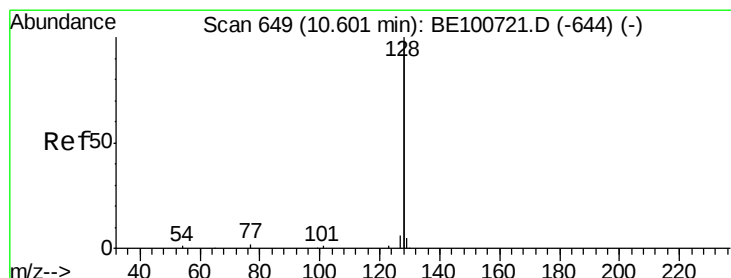
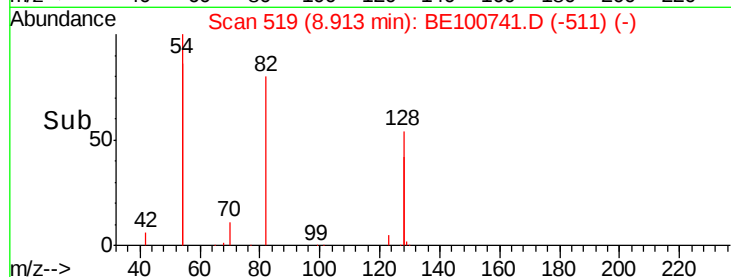
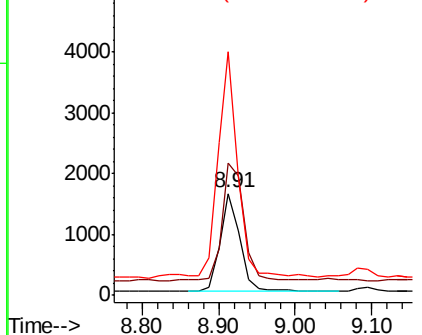
Tot Ion:	82	Resp:	2847
Ion Ratio	Lower	Upper	
82	100		
128	129.7	99.6	149.4
54	239.7	183.8	275.8

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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



#9

Naphthalene

Concen: 0.050 ng

RT: 10.60 min Scan# 649

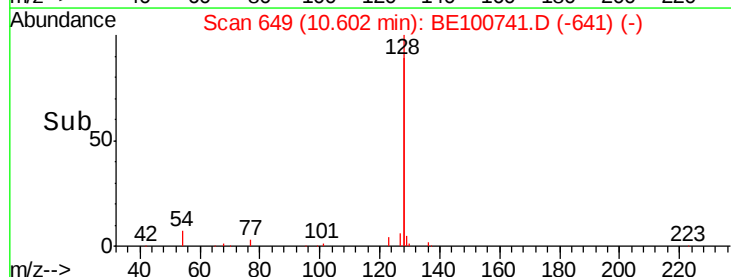
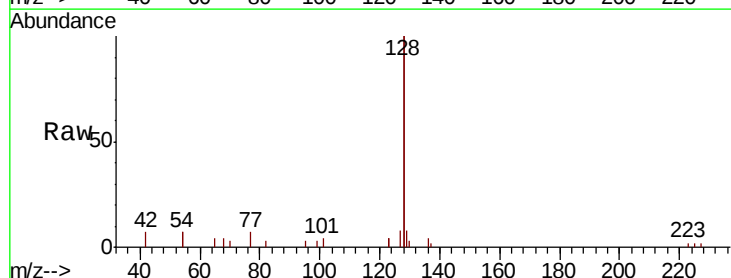
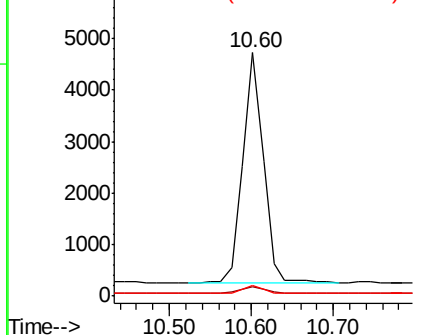
Delta R.T. 0.00 min

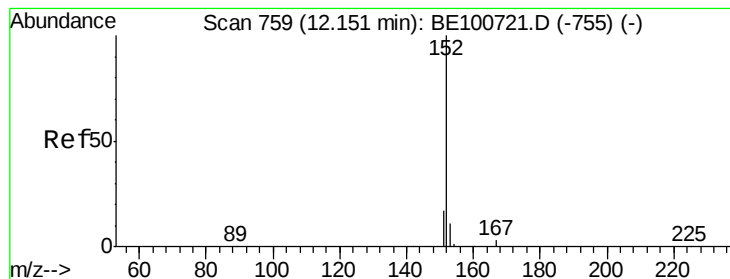
Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

Tgt Ion:	128	Resp:	7793
Ion Ratio	Lower	Upper	
128	100		
129	4.0	2.4	3.6#
127	4.2	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





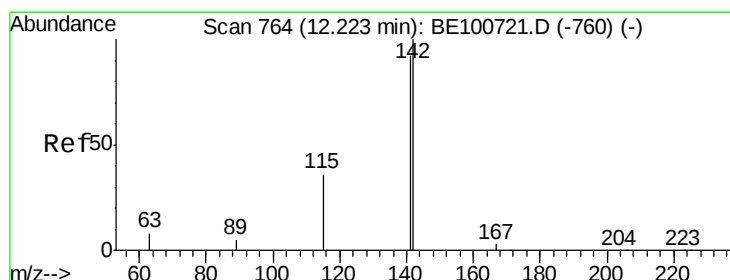
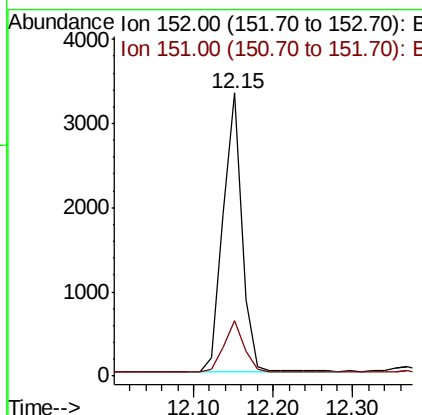
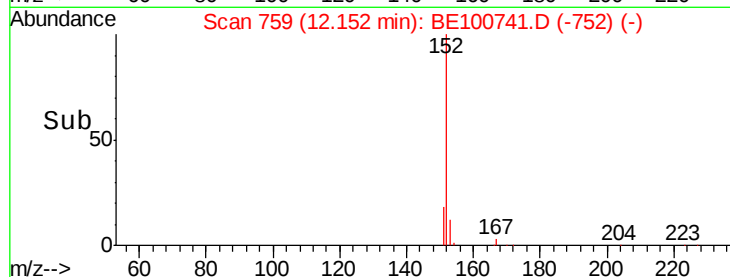
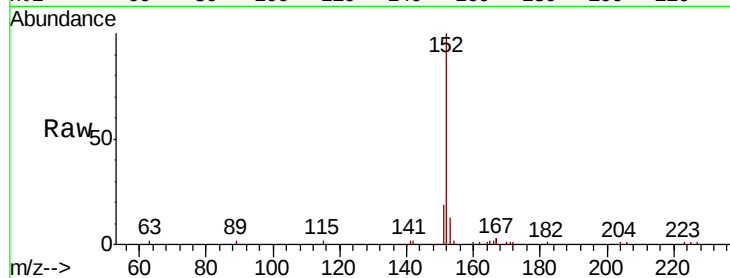
#11
2-Methylnaphthalene-d10
Concen: 0.227 ng
RT: 12.15 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.2	21.4

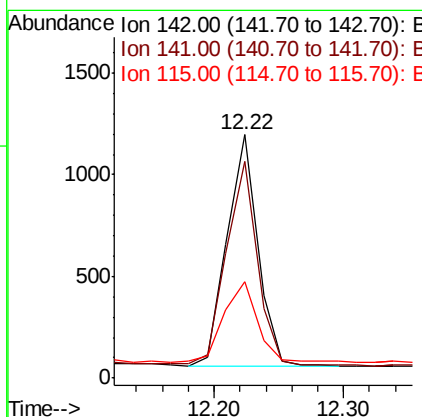
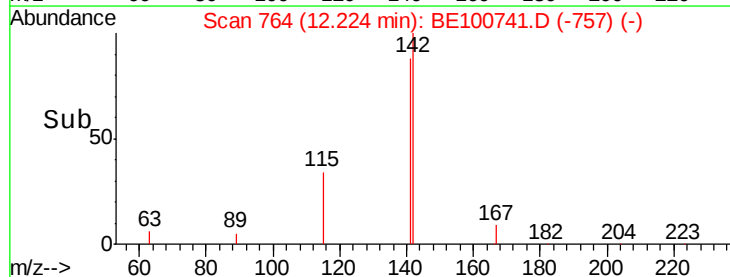
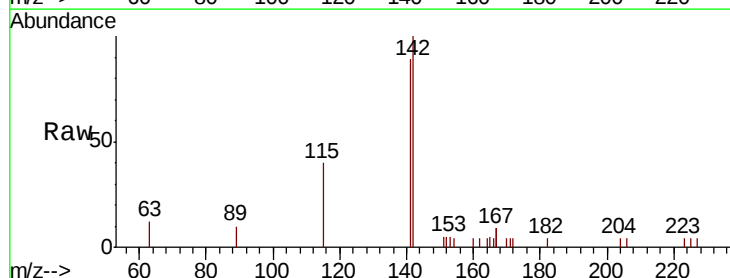
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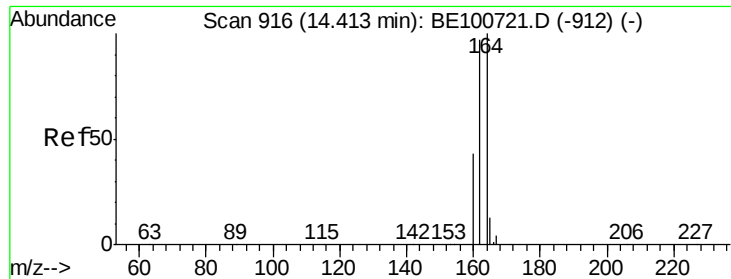
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#12
2-Methylnaphthalene
Concen: 0.071 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	73.3	109.9
115	39.7	29.9	44.9





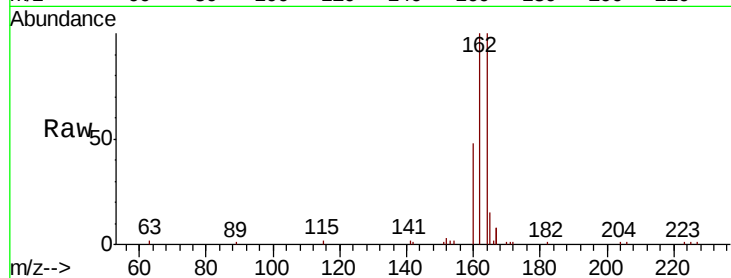
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

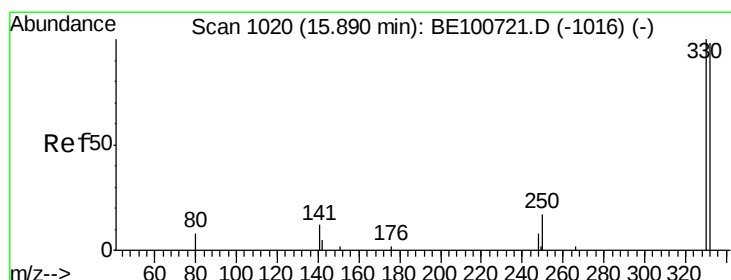
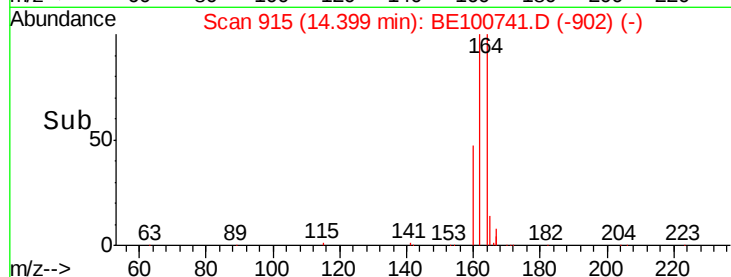
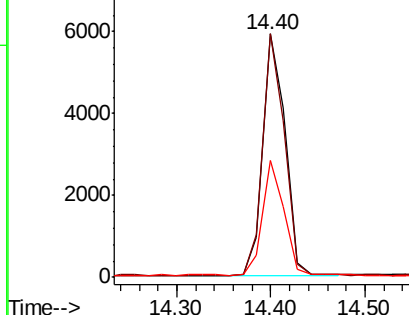
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	77.8	116.8
160	47.9	35.3	52.9

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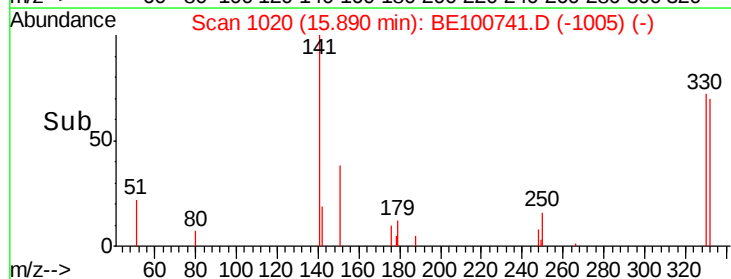
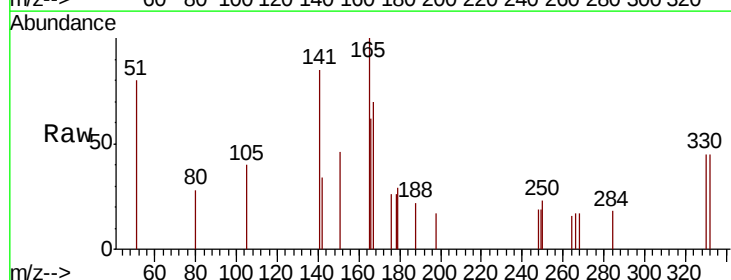
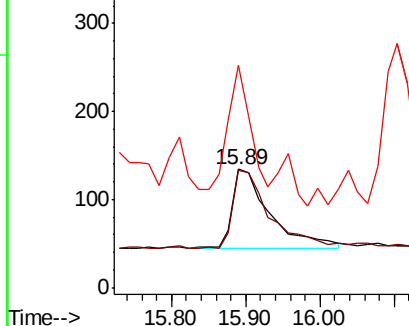
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

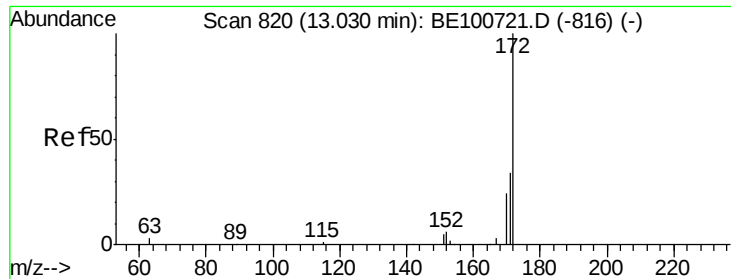


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 15.89 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	85.0	127.6
141	108.7	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





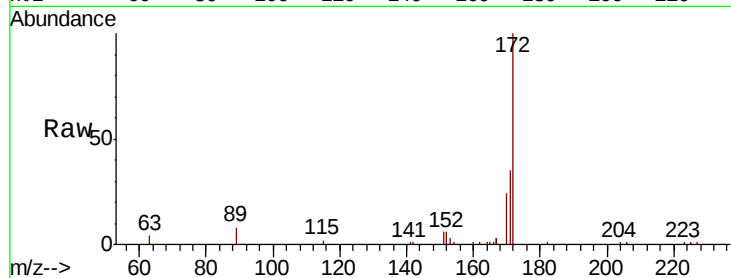
#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.1	42.1
170	23.9	19.8	29.6

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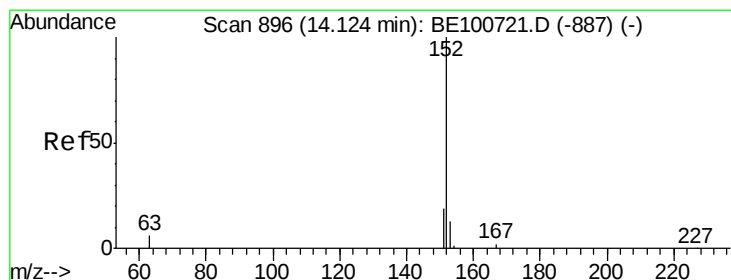
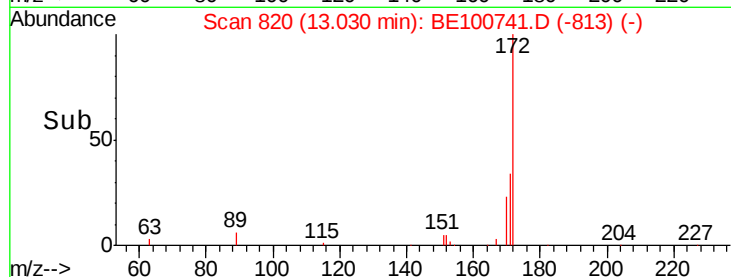
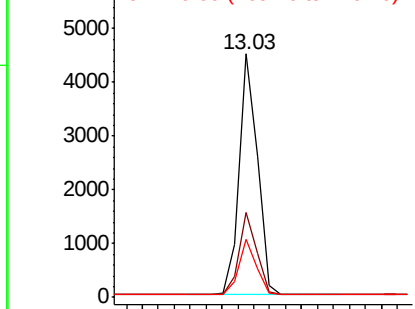


Abundance

Ion 172.00 (171.70 to 172.70): E

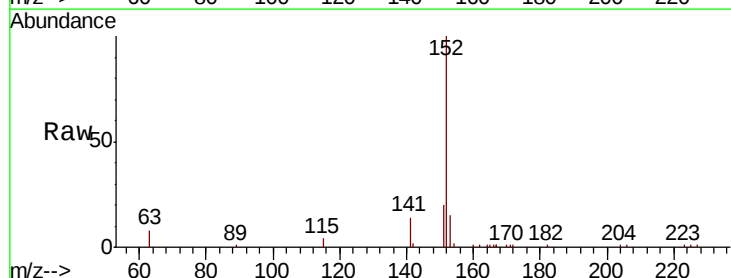
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.429 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	14.9	22.3
153	14.1	10.7	16.1

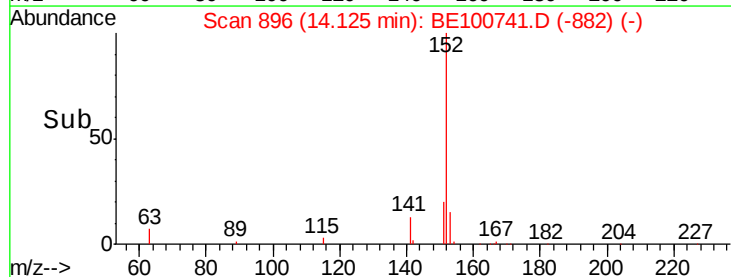
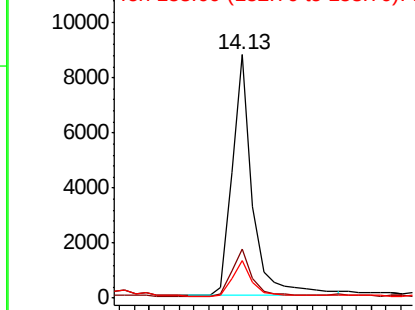


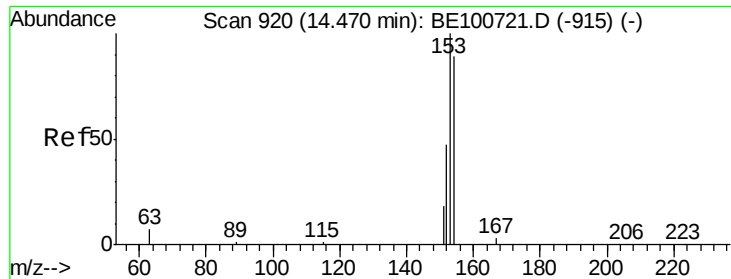
Abundance

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





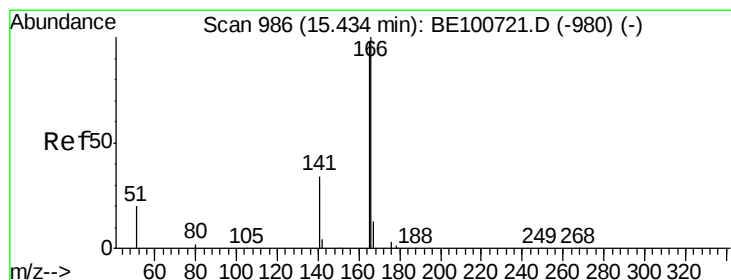
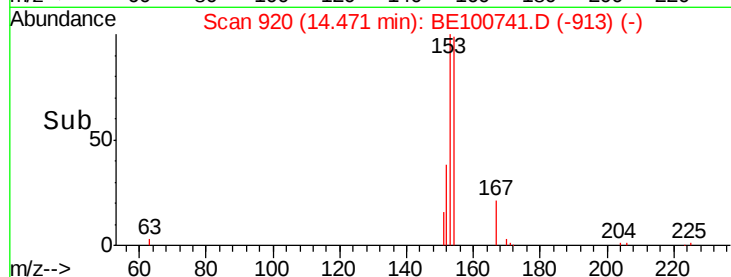
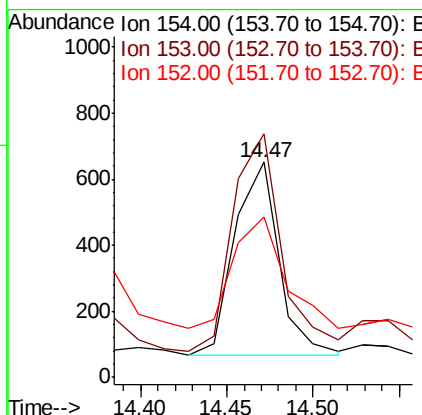
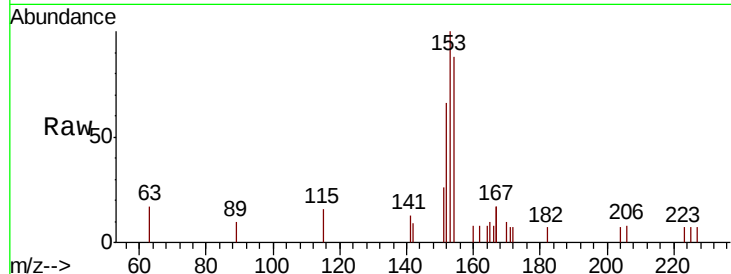
#17
Acenaphthene
Concen: 0.040 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	125.4	91.9	137.9
152	68.7	44.8	67.2#

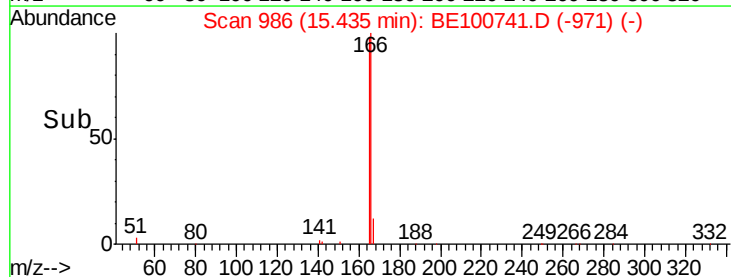
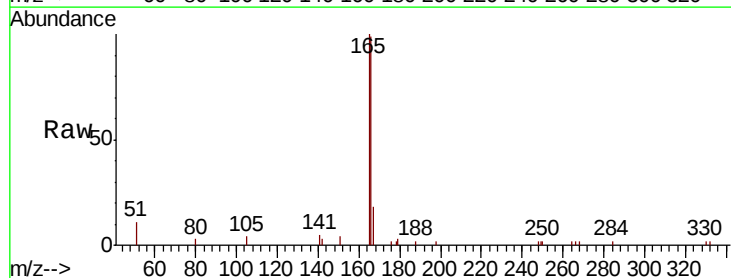
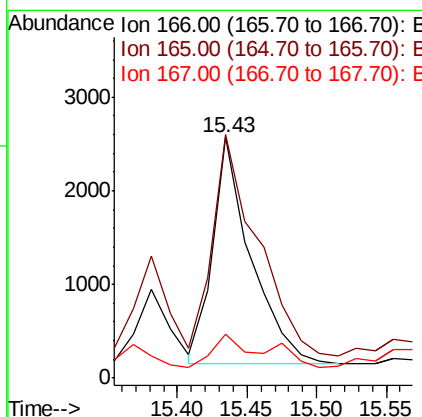
Manual Integrations
APPROVED

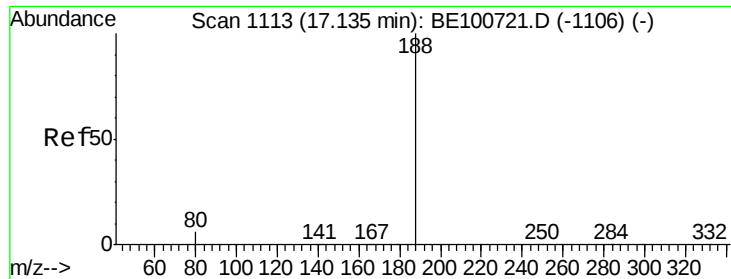
mohammad
11/18/2019 3:05:32 PM



#18
Fluorene
Concen: 0.130 ng
RT: 15.43 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.0	78.2	117.4
167	20.9	10.6	16.0#





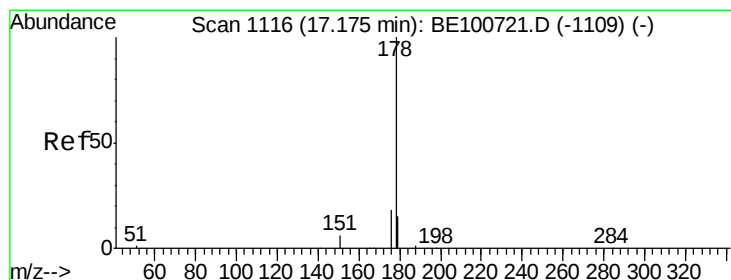
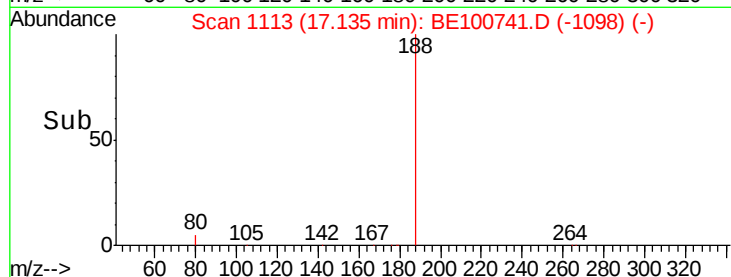
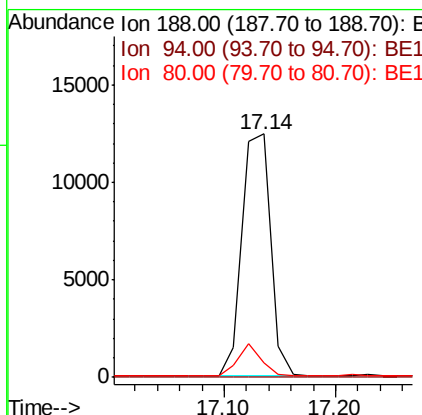
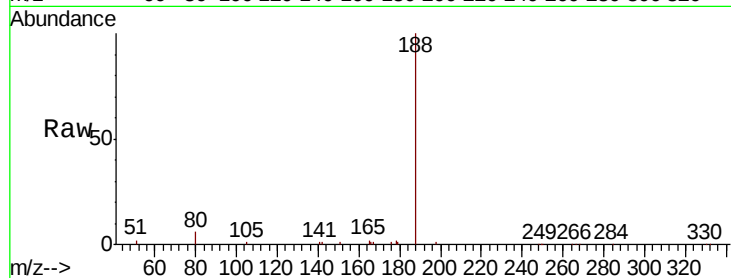
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.14 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.7	5.4	8.0

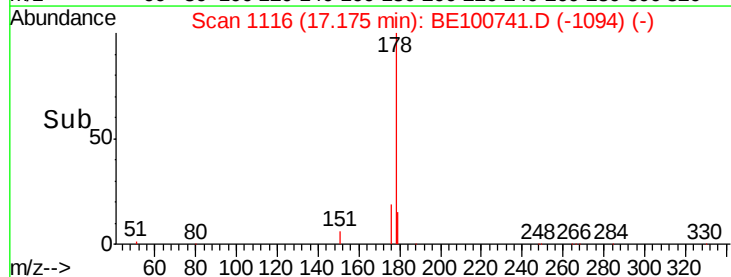
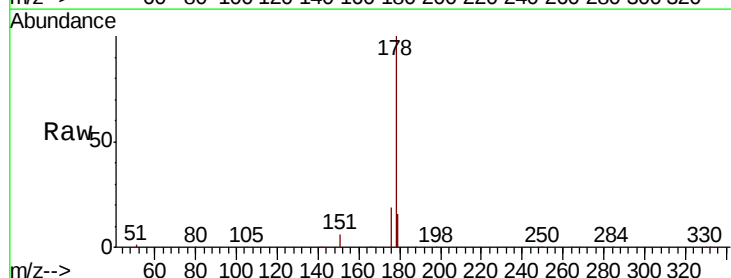
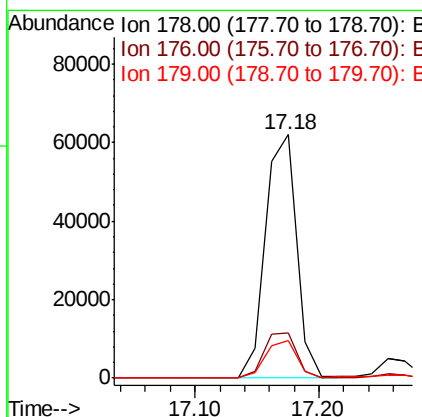
Manual Integrations
APPROVED

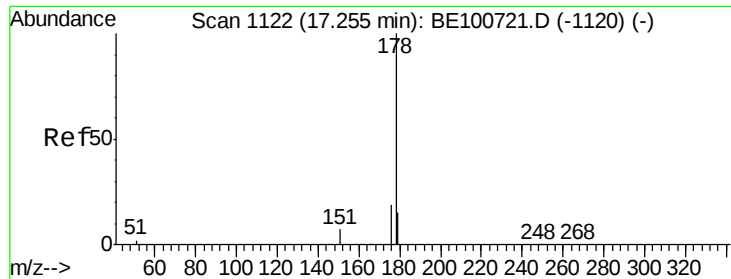
mohammad
11/18/2019 3:05:32 PM



#23
Phenanthrene
Concen: 1.786 ng
RT: 17.18 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.0	22.4
179	15.6	12.6	18.8





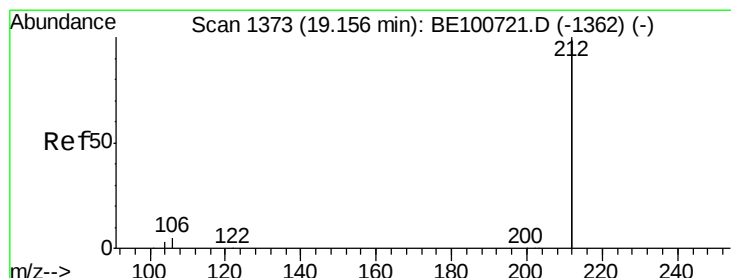
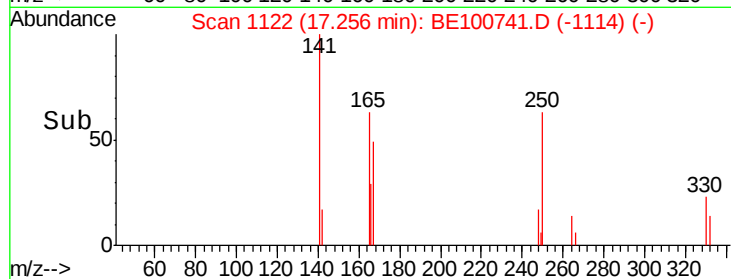
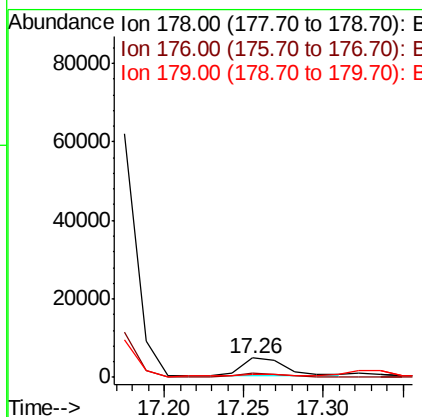
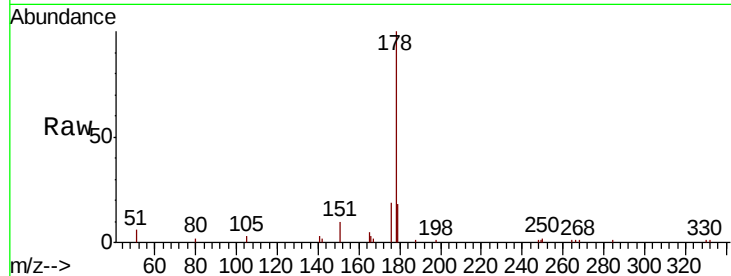
#24
 Anthracene
 Concen: 0.165 ng
 RT: 17.26 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BE100741.D
 Acq: 15 Nov 2019 17:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.1	14.6	21.8
179	13.5	12.6	18.8

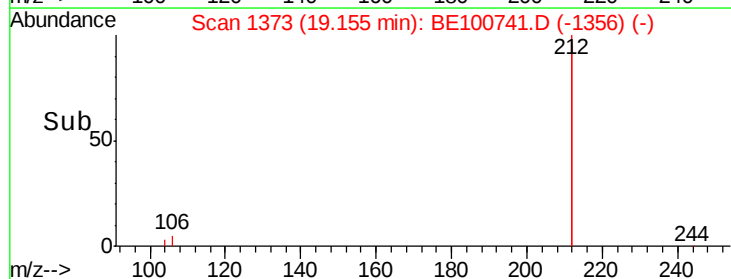
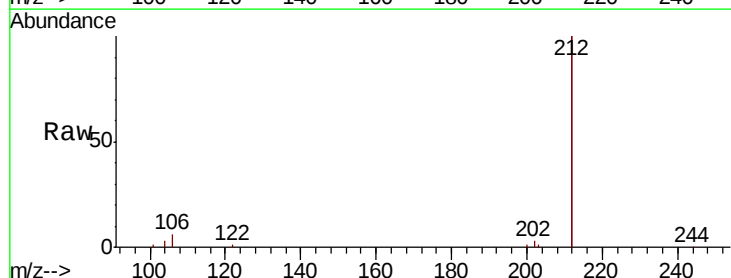
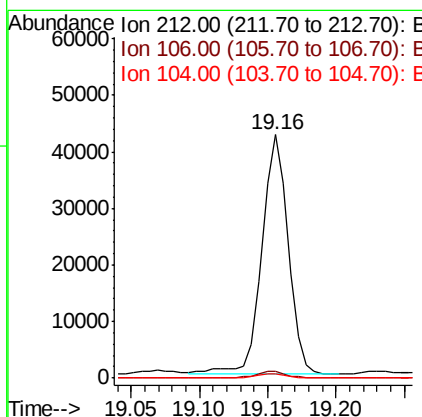
Manual Integrations
 APPROVED

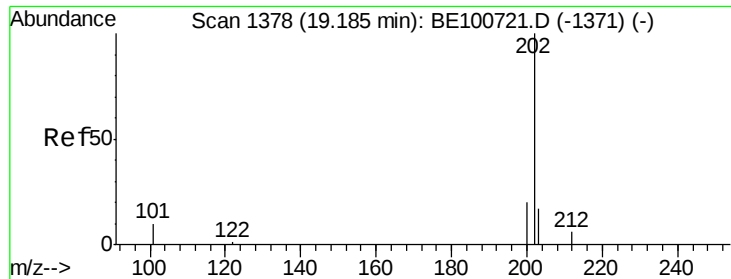
mohammad
 11/18/2019 3:05:32 PM



#25
 Fluoranthene-d10
 Concen: 0.194 ng
 RT: 19.16 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BE100741.D
 Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.2	3.4
104	1.6	1.2	1.8





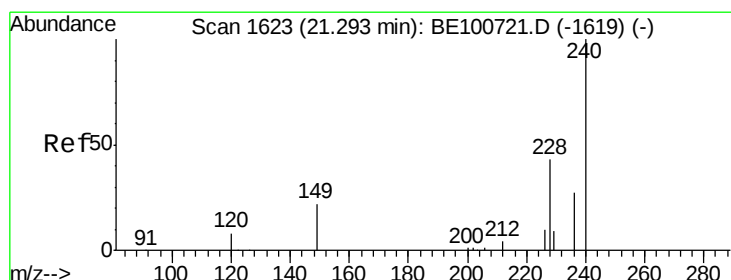
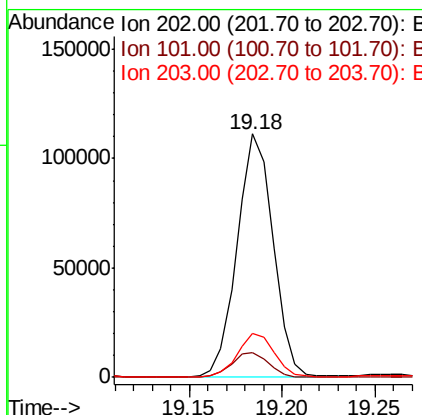
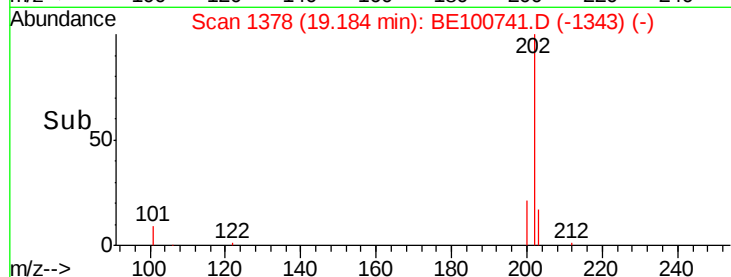
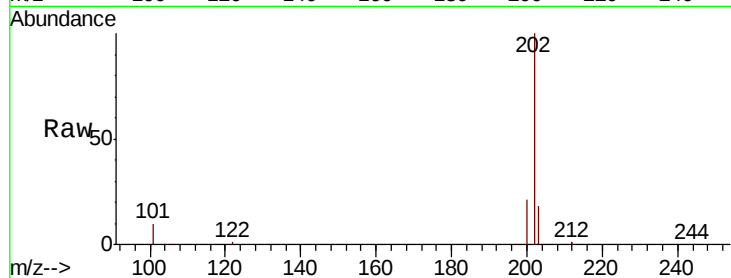
#26
Fluoranthene
Concen: 1.858 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	150264		
101	10.3		8.6	12.8
203	18.0		13.6	20.4

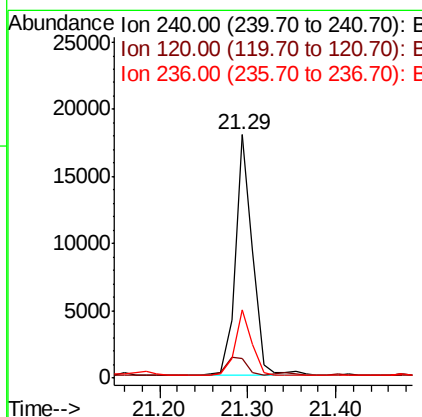
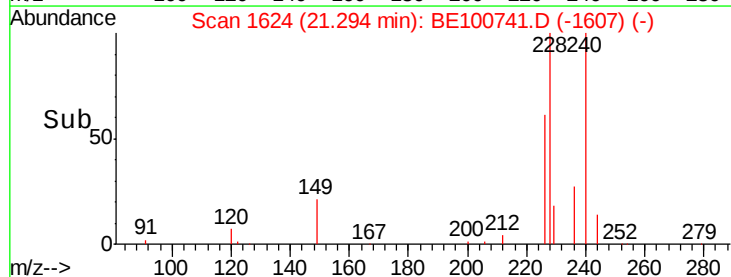
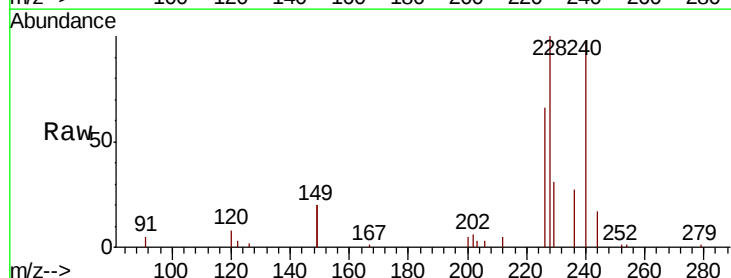
Manual Integrations
APPROVED

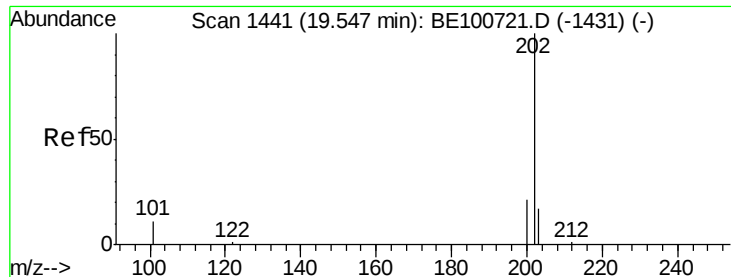
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	24050		
120	7.9		7.4	11.0
236	28.1		21.8	32.6





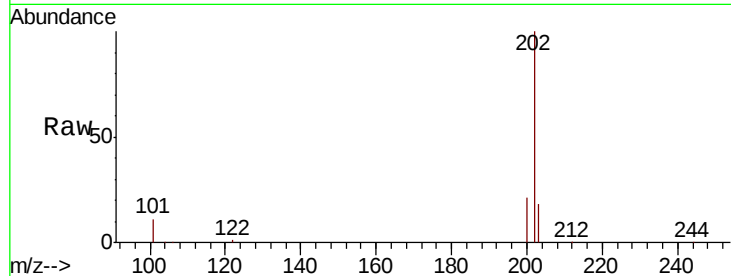
#28
Pvrene
Concen: 3.170 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	211961		
200	21.1		17.0	25.4
203	19.9		14.0	21.0

Manual Integrations
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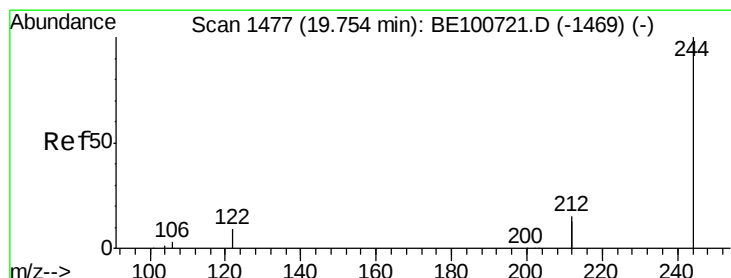
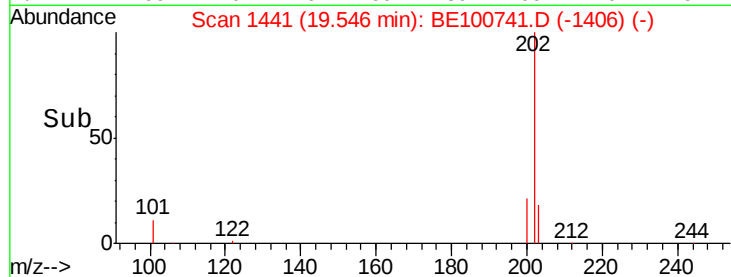
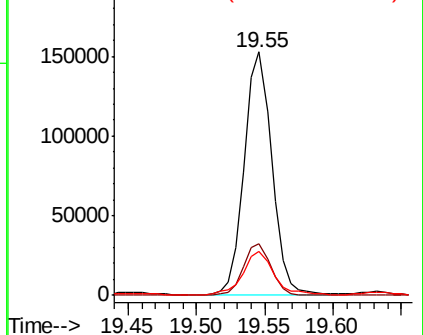


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.187 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

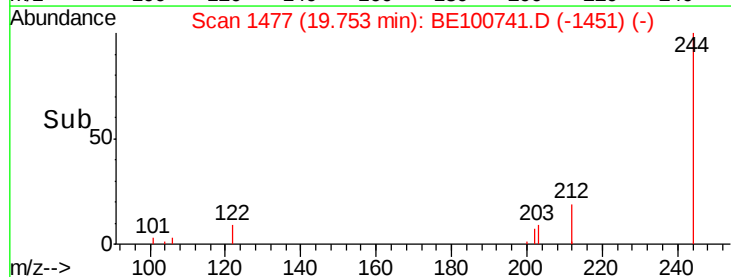
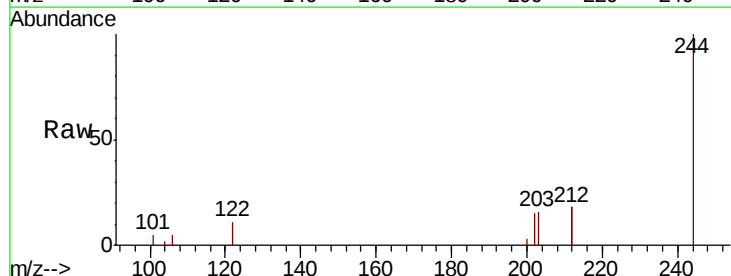
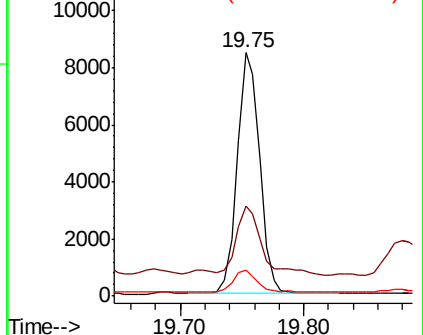
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	10700		
212	37.0		24.3	36.5#
122	10.7		7.6	11.4

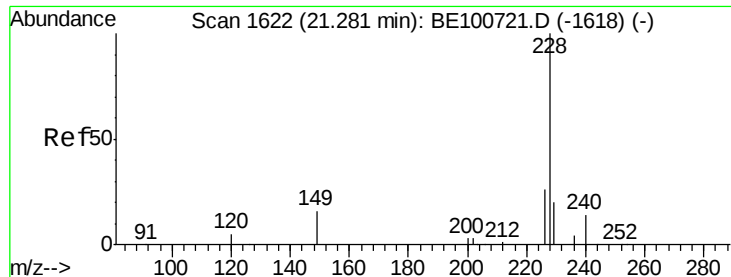
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





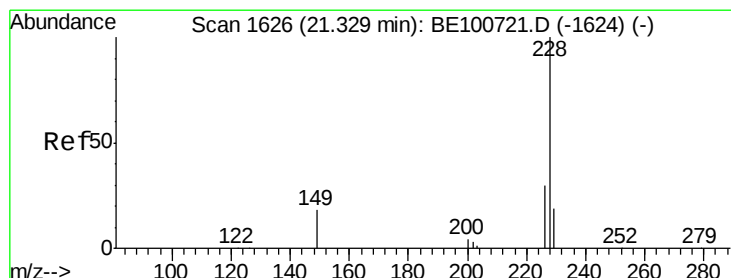
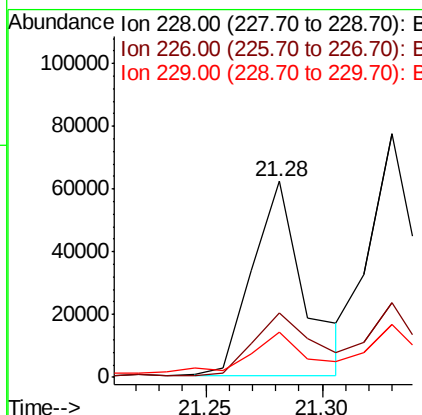
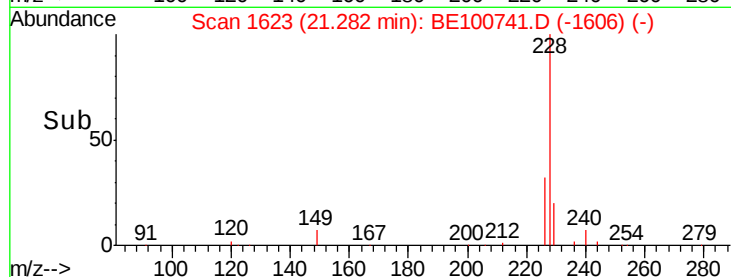
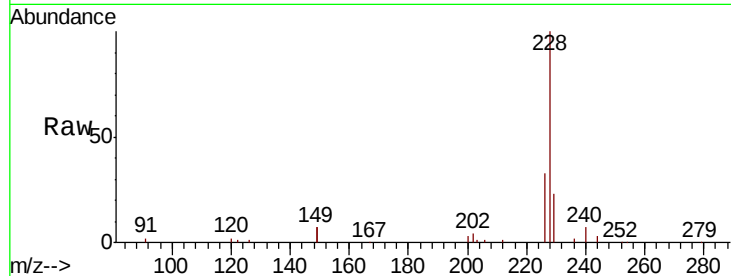
#30
Benzo(a)anthracene
Concen: 1.239 ng m
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.2	21.1	31.7#
229	23.0	15.9	23.9

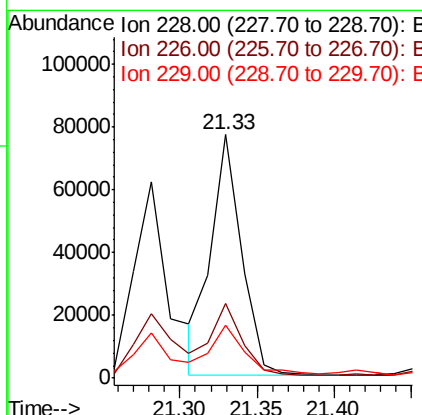
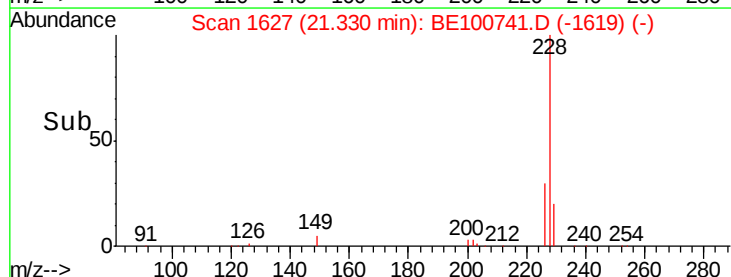
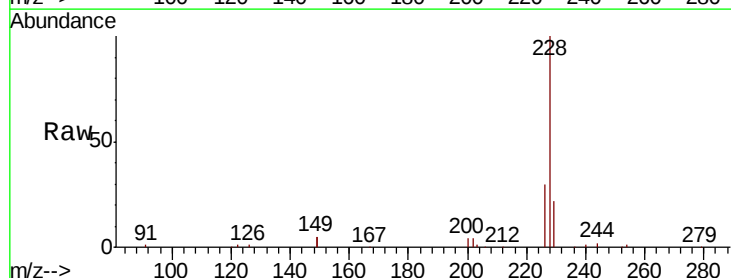
Manual Integrations
APPROVED

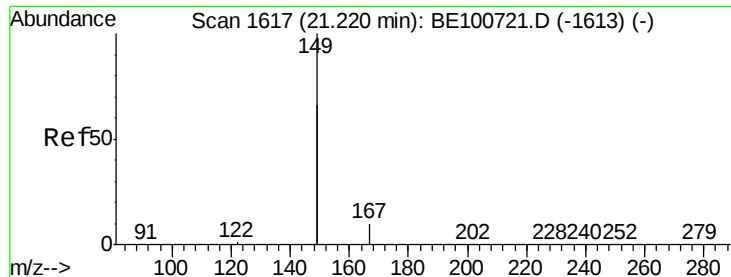
mohammad
11/18/2019 3:05:32 PM



#31
Chrysene
Concen: 1.342 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	21.8	15.5	23.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.204 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

Instrument :

BNA_E

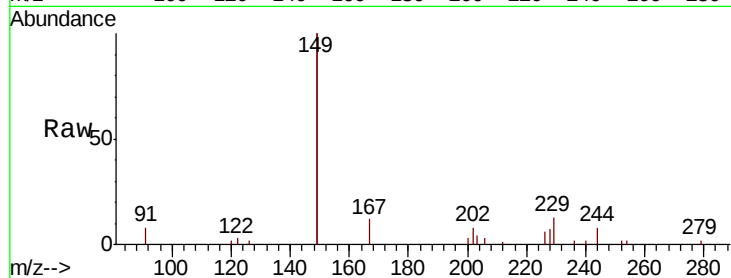
ClientSampleId :

PST-024-SW135-110619-1

Tot Ion:	149	Resp:	27883
Ion Ratio	Lower	Upper	
149	100		
167	5.8	5.2	7.8
279	0.9	0.9	1.3

Manual Integrations
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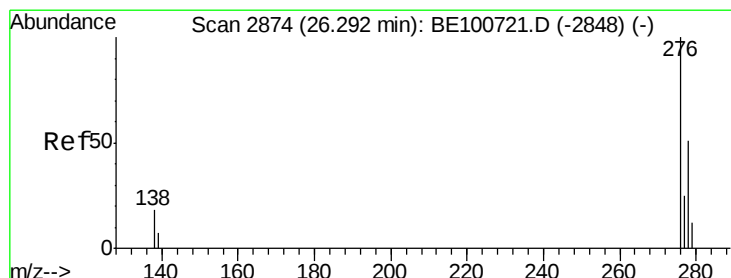
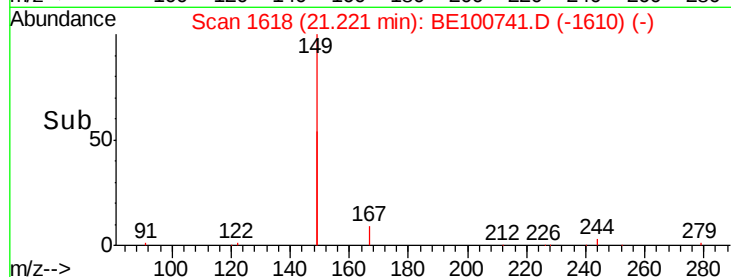
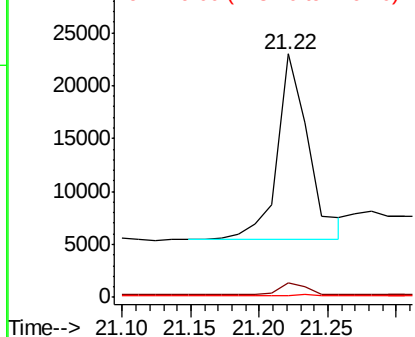


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.564 ng

RT: 26.29 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BE100741.D

Acq: 15 Nov 2019 17:31

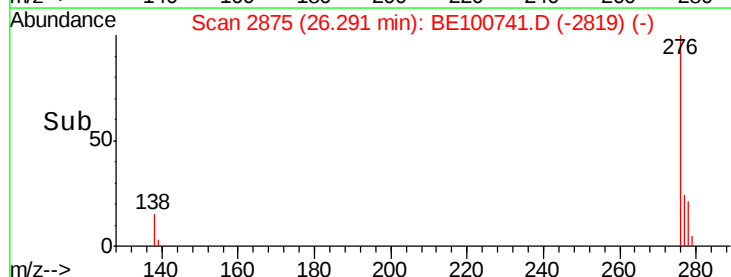
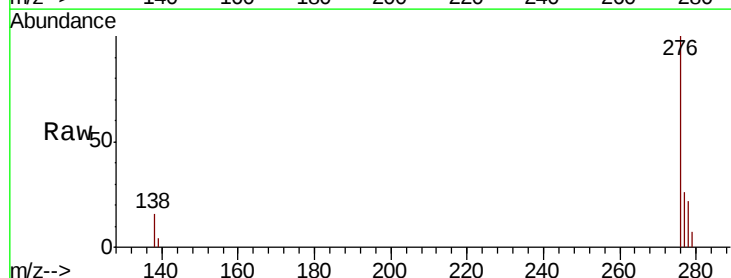
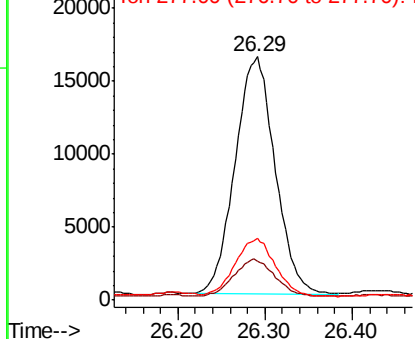
Tgt Ion:	276	Resp:	51797
Ion Ratio	Lower	Upper	
276	100		
138	15.7	14.8	22.2
277	24.7	19.6	29.4

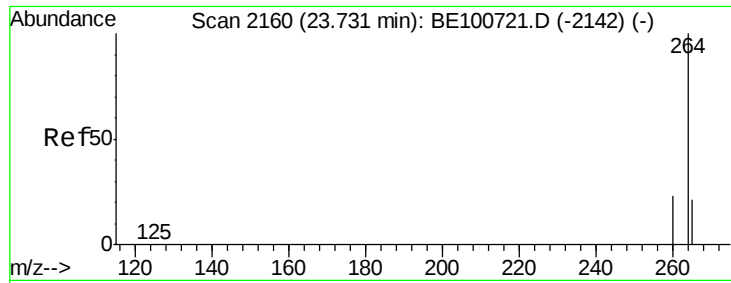
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





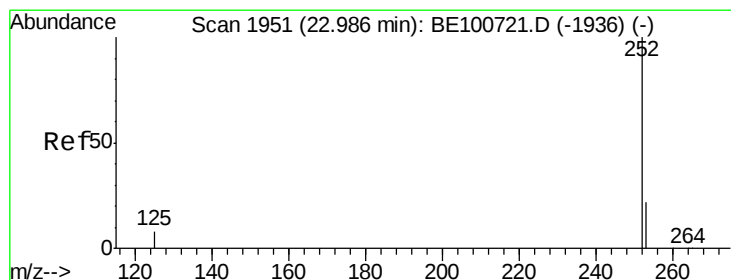
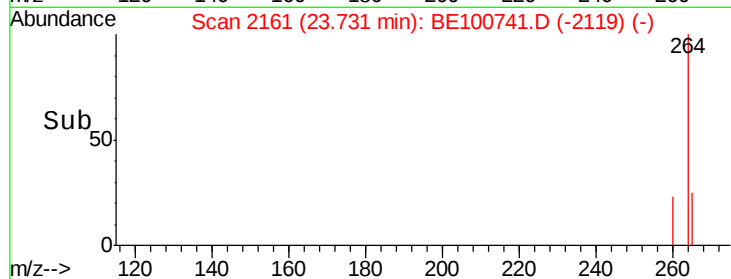
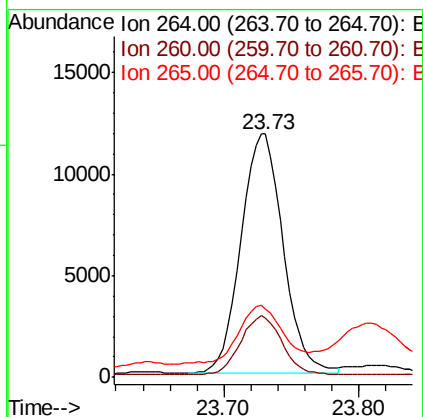
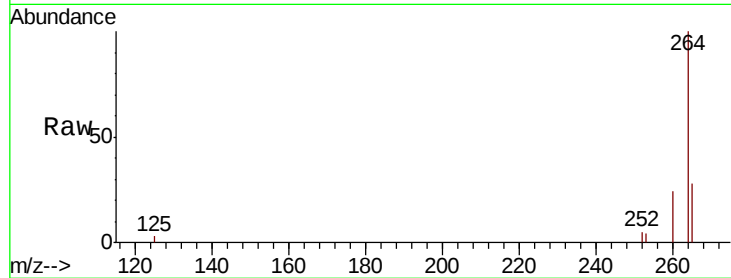
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.73 min Scan# 2161
 Delta R.T. 0.00 min
 Lab File: BE100741.D
 Acq: 15 Nov 2019 17:31

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	28.2	19.7	29.5

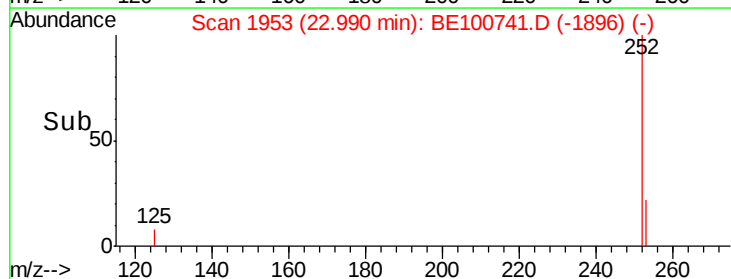
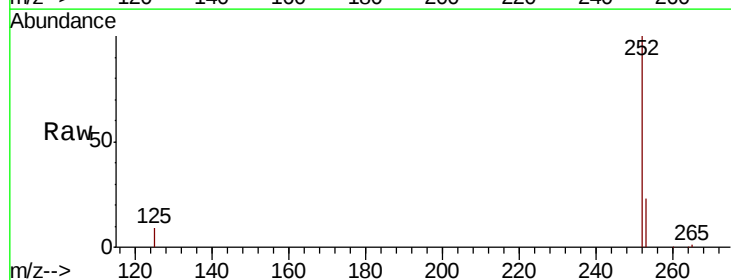
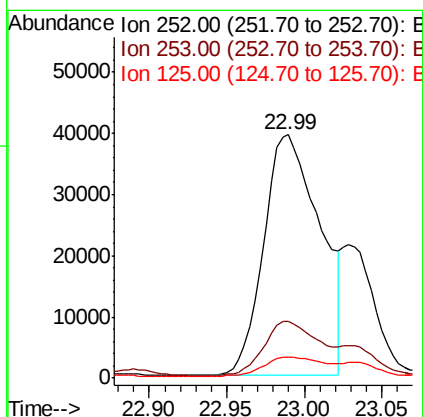
Manual Integrations
 APPROVED

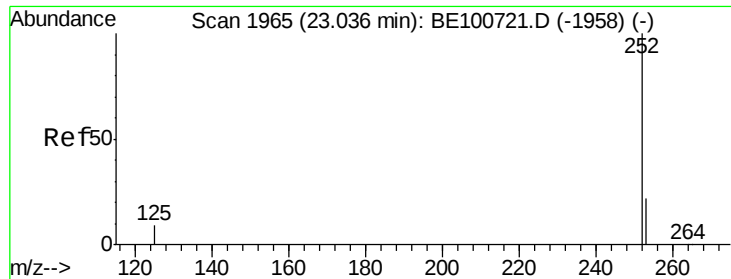
mohammad
 11/18/2019 3:05:32 PM



#35
 Benzo(b)fluoranthene
 Concen: 1.334 ng
 RT: 22.99 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: BE100741.D
 Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.7	28.1
125	8.8	7.0	10.4





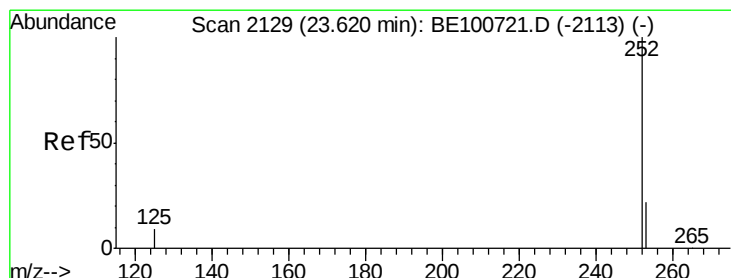
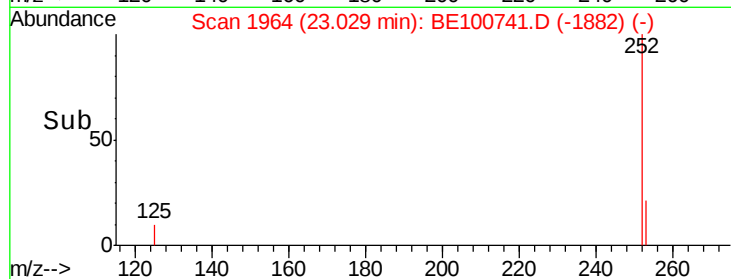
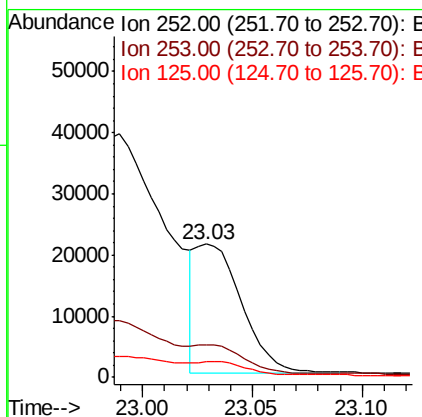
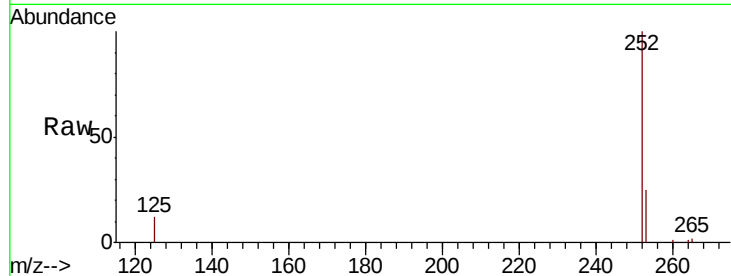
#36
Benzo(k)fluoranthene
Concen: 0.389 ng m
RT: 23.03 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.6	27.8
125	11.8	7.6	11.4

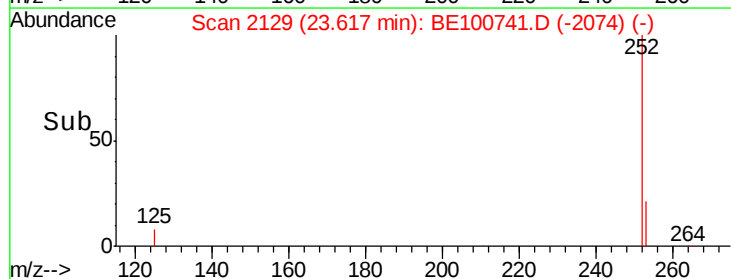
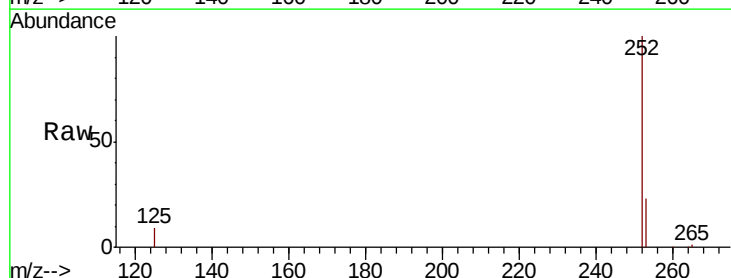
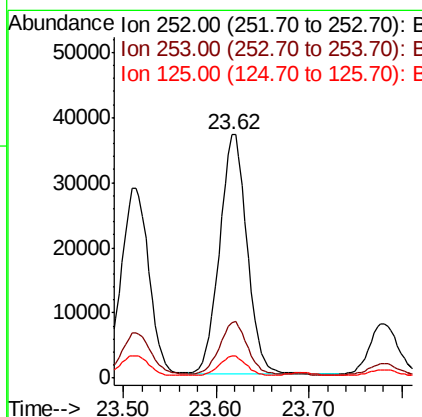
Manual Integrations
APPROVED

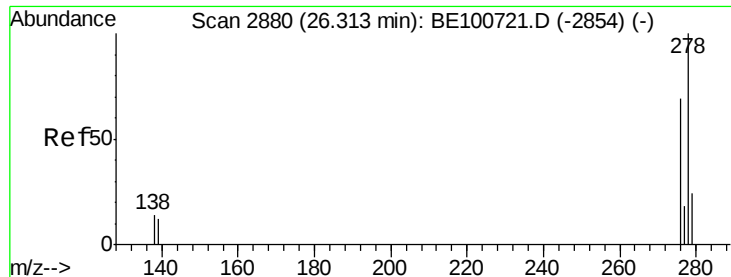
mohammad
11/18/2019 3:05:32 PM



#37
Benzo(a)pyrene
Concen: 1.090 ng
RT: 23.62 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	28.0
125	9.1	7.9	11.9





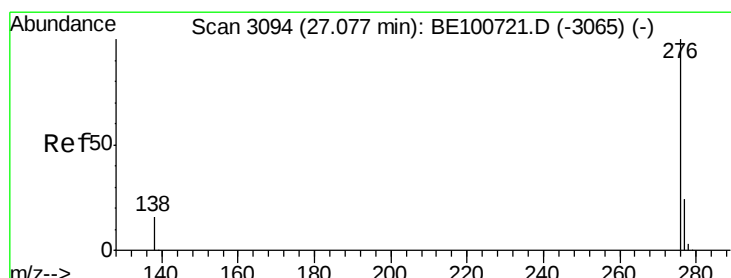
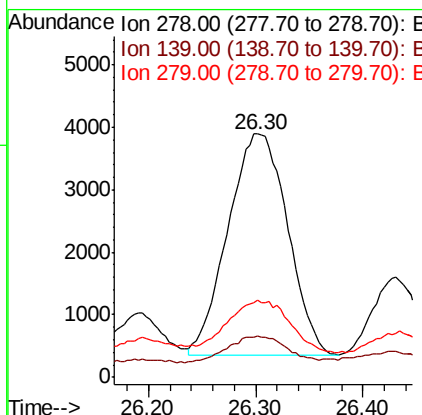
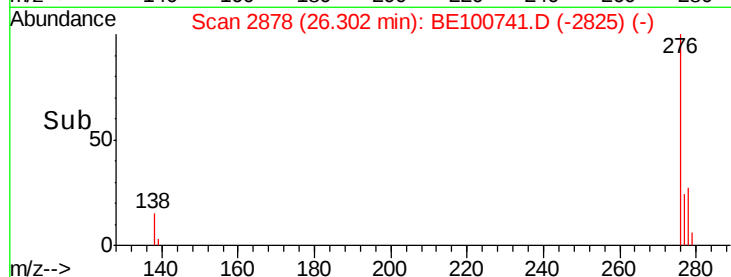
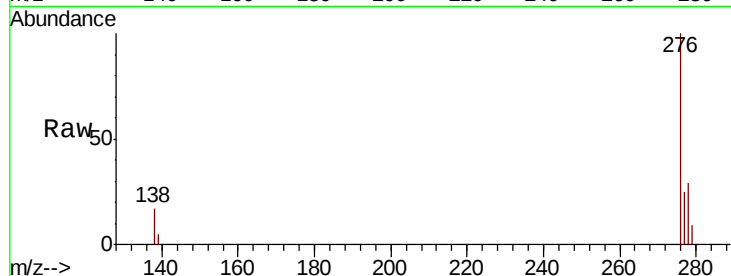
#38
Dibenzo(a,h)anthracene
Concen: 0.187 ng
RT: 26.30 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Instrument :
BNA_E
ClientSampleId :
PST-024-SW135-110619-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	10.3	15.5#
279	31.9	20.6	31.0#

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:32 PM



#39
Benzo(g,h,i)perylene
Concen: 0.828 ng
RT: 27.08 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BE100741.D
Acq: 15 Nov 2019 17:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.6
138	16.8	13.6	20.4

