

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100740.D
 Acq On : 15 Nov 2019 16:52
 Operator : JU
 Sample : K5728-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW136-110619-1

Manual Integrations
 APPROVED

mohammad
 11/18/2019 3:05:30 PM

Quant Time: Nov 15 23:13:25 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	3406	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	14825	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	9657	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	22015	0.40	ng	0.00
27) Chrysene-d12	21.29	240	24034	0.40	ng	0.00
34) Perylene-d12	23.73	264	25331	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2722	0.27	ng	0.00
5) Phenol-d6	6.94	99	4343	0.31	ng	0.00
8) Nitrobenzene-d5	8.91	82	2959	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	5832	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.89	330	321	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	7937	0.22	ng	0.00
25) Fluoranthene-d10	19.16	212	63760	0.22	ng	0.00
29) Terphenyl-d14	19.75	244	12617	0.22	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.60	128	12592	0.082	ng	98
12) 2-Methylnaphthalene	12.22	142	3037	0.116	ng	97
16) Acenaphthylene	14.12	152	28775	0.737	ng	98
17) Acenaphthene	14.47	154	1758	0.069	ng	91
18) Fluorene	15.43	166	8021	0.229	ng	# 83
23) Phenanthrene	17.17	178	180331	3.005	ng	99
24) Anthracene	17.25	178	16680	0.311	ng	97
26) Fluoranthene	19.18	202	262794	3.279	ng	98
28) Pyrene	19.55	202	368381	5.514	ng	97
30) Benzo(a)anthracene	21.28	228	168401	2.184	ng	92
31) Chrysene	21.33	228	185176	2.365	ng	97
32) Bis(2-ethylhexyl)phthalate	21.22	149	38324	0.280	ng	100
33) Indeno(1,2,3-cd)pyrene	26.28	276	86955	0.947	ng	97
35) Benzo(b)fluoranthene	22.99	252	174508	2.361	ng	99
36) Benzo(k)fluoranthene	23.04	252	48064m	0.621	ng	
37) Benzo(a)pyrene	23.62	252	130551	1.895	ng	98
38) Dibenzo(a,h)anthracene	26.30	278	23066	0.321	ng	93
39) Benzo(a,h,i)perylene	27.07	276	98926	1.404	ng	99

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

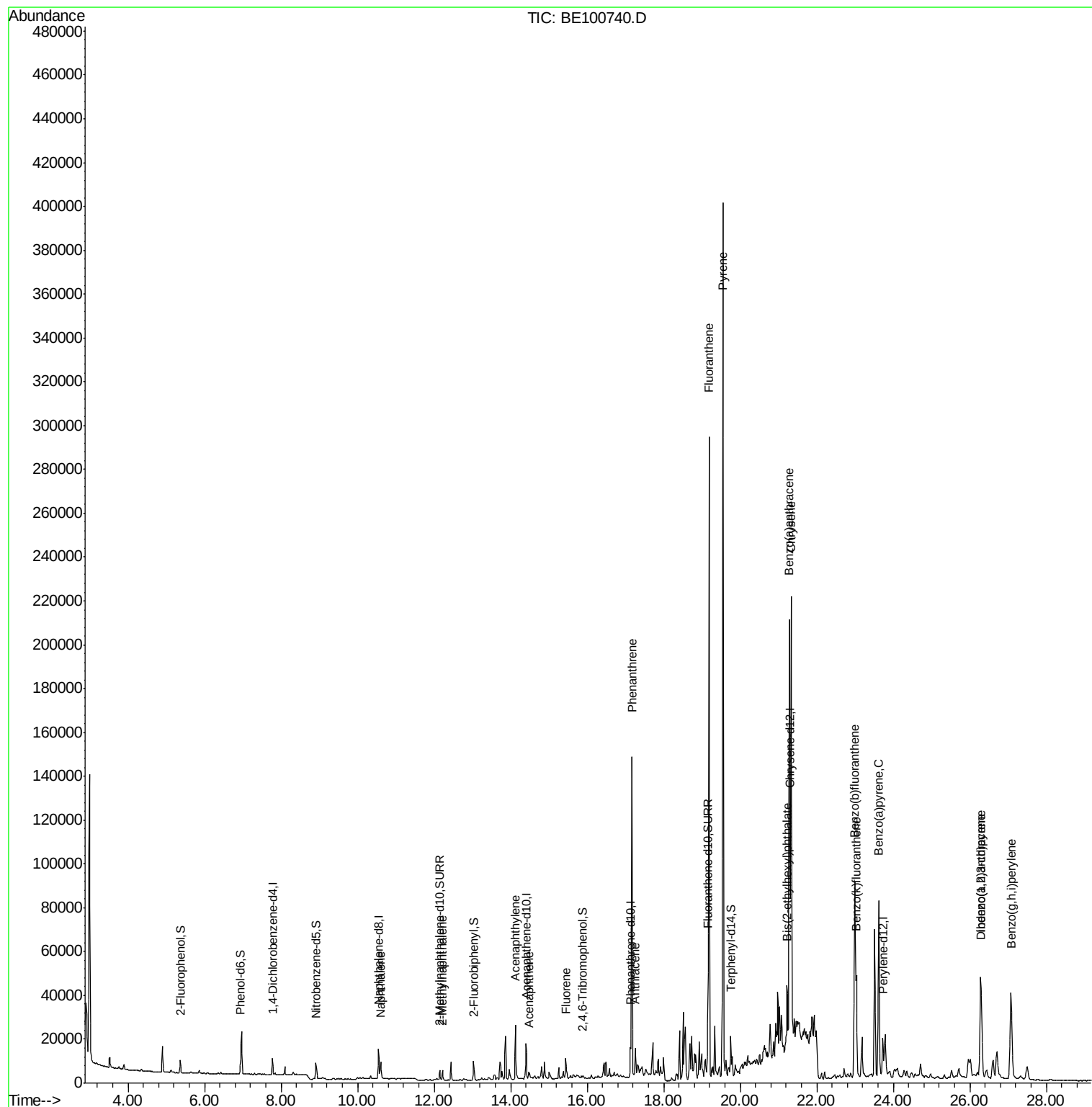
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
Data File : BE100740.D
Acq On : 15 Nov 2019 16:52
Operator : JU
Sample : K5728-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

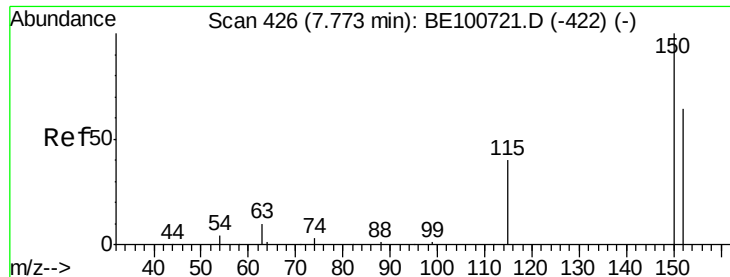
Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM

Quant Time: Nov 15 23:13:25 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

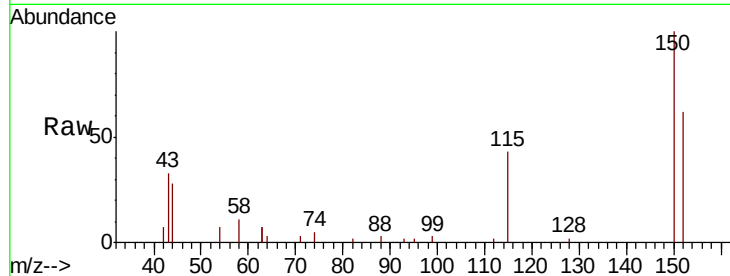
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	123.4	185.0
115	68.4	52.1	78.1

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM

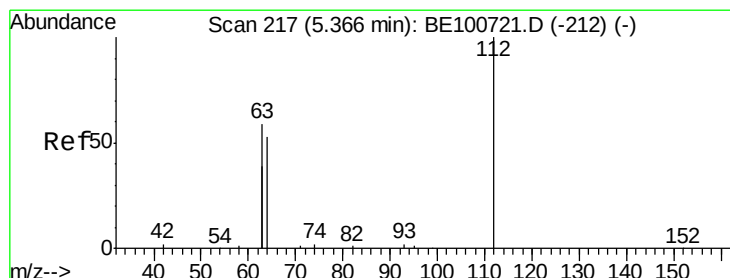
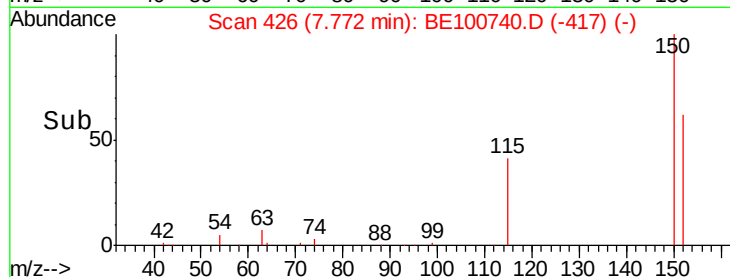
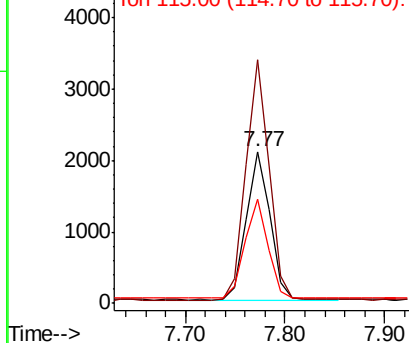


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

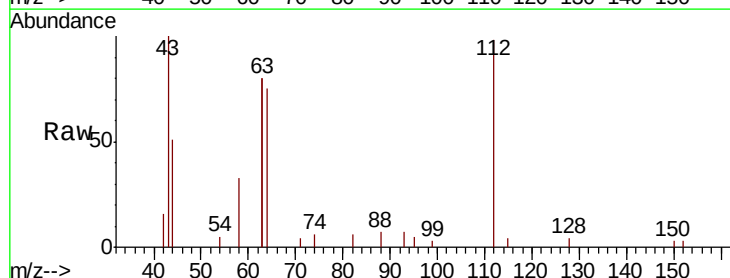
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.274 ng
RT: 5.37 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.0	58.3	87.5
63	145.8	115.4	173.2

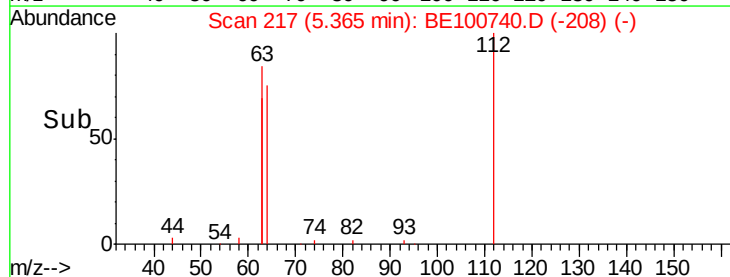
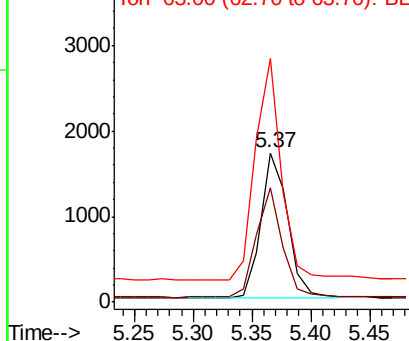


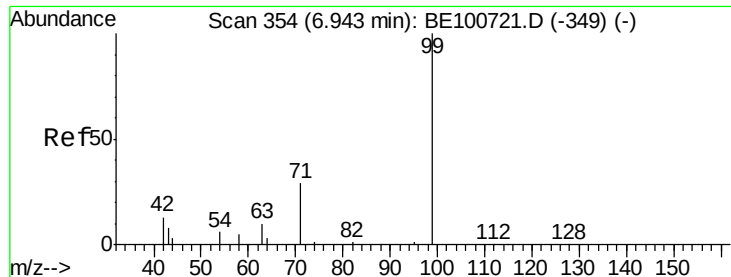
Abundance

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: 0.309 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Instrument :

BNA_E

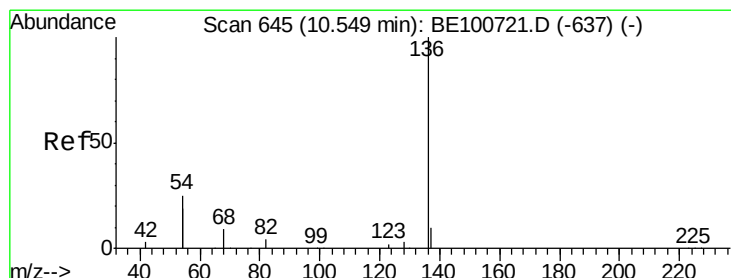
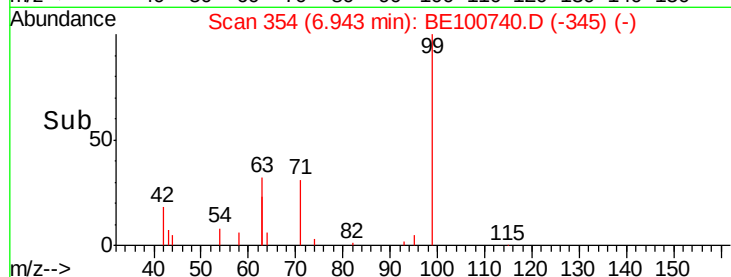
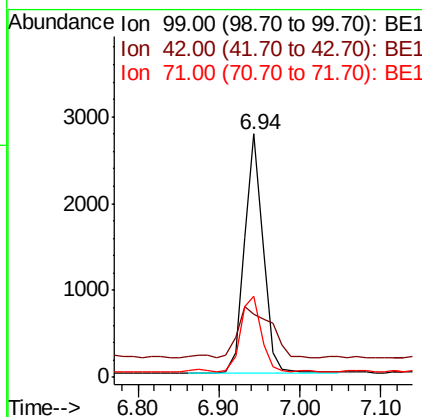
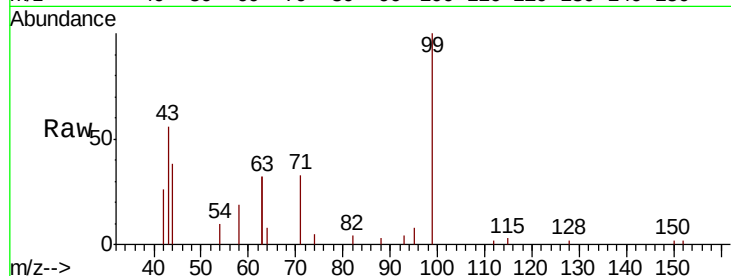
ClientSampleId :

PST-024-SW136-110619-1

Tot Ion:	99	Resp:	4343
Ion	Ratio	Lower	Upper
99	100		
42	38.2	17.8	26.6#
71	34.9	27.3	40.9

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM



#7

Naphthalene-d8

Concen: 0.400 ng

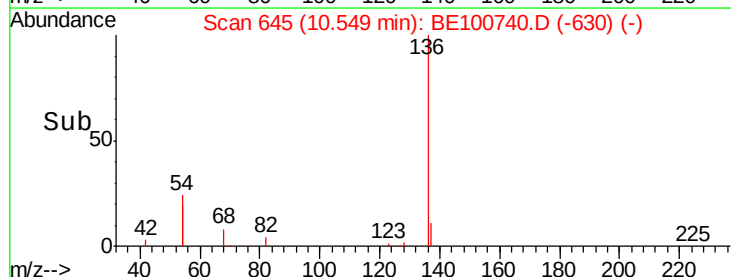
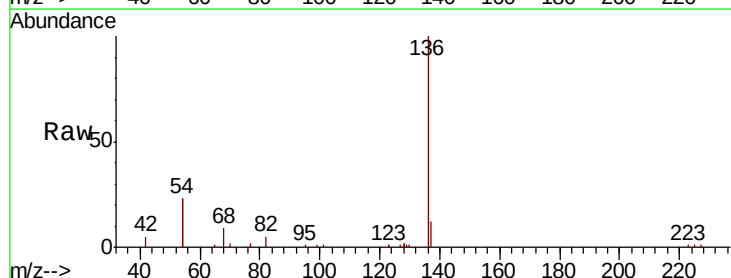
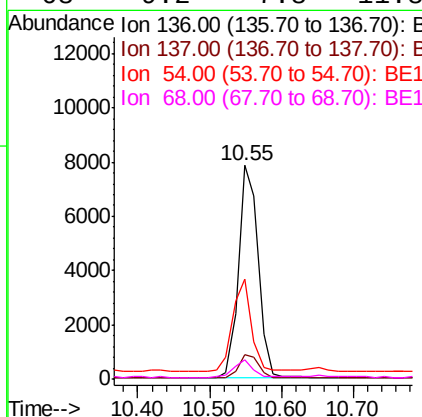
RT: 10.55 min Scan# 645

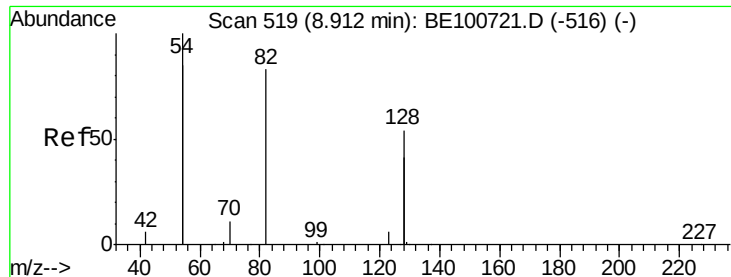
Delta R.T. -0.00 min

Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Tgt Ion:	136	Resp:	14825
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	46.8	39.0	58.6
68	9.2	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.235 ng

RT: 8.91 min Scan# 519

Delta R.T. -0.00 min

Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Instrument :

BNA_E

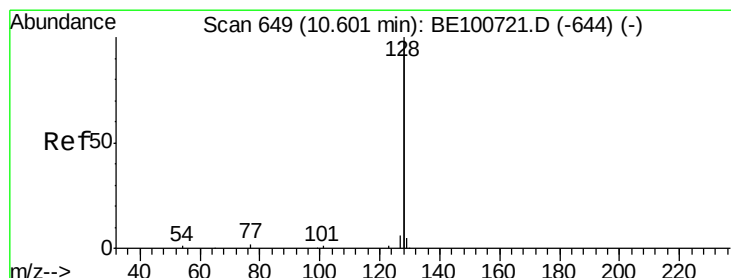
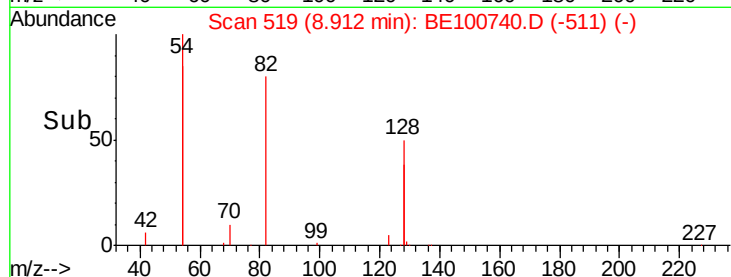
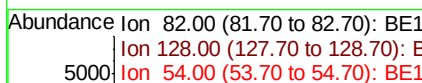
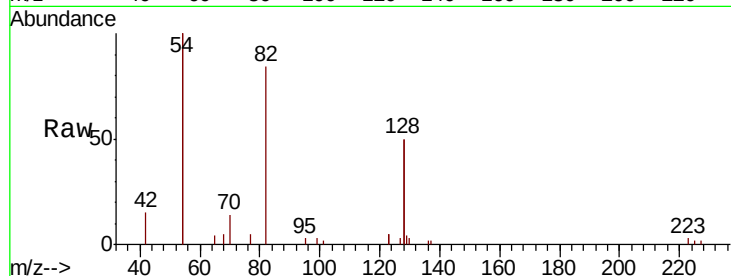
ClientSampleId :

PST-024-SW136-110619-1

Tot Ion:	82	Resp:	2959
Ion	Ratio	Lower	Upper
82	100		
128	119.2	99.6	149.4
54	239.2	183.8	275.8

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM



#9

Naphthalene

Concen: 0.082 ng

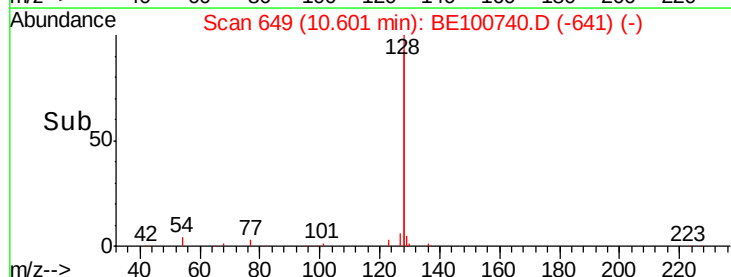
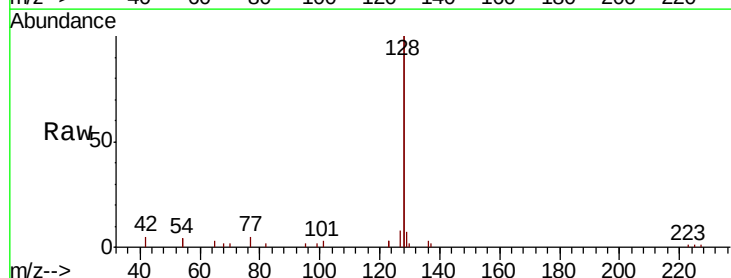
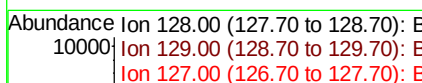
RT: 10.60 min Scan# 649

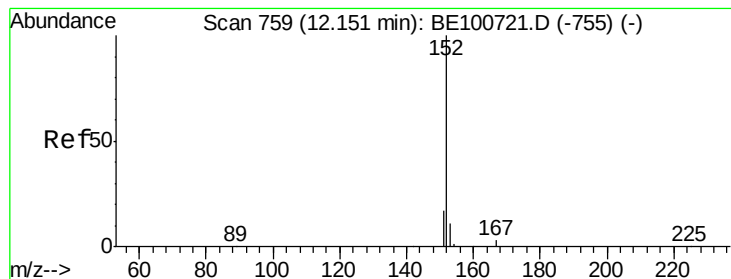
Delta R.T. -0.00 min

Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Tgt Ion:	128	Resp:	12592
Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.4	3.6
127	3.9	2.7	4.1





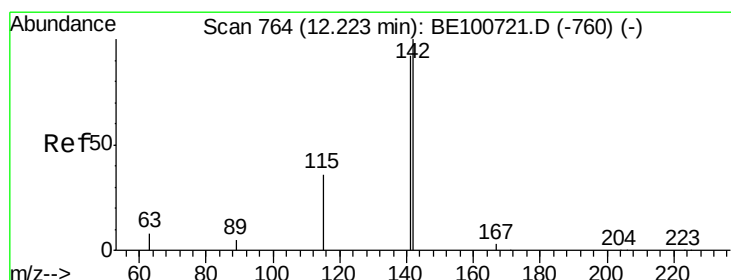
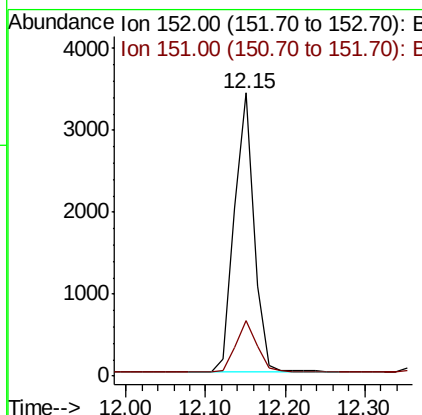
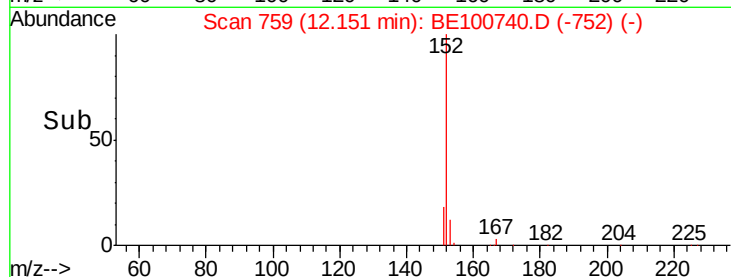
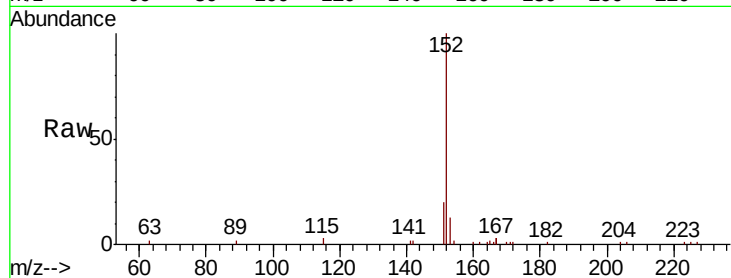
#11
 2-Methylnaphthalene-d10
 Concen: 0.247 ng
 RT: 12.15 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: BE100740.D
 Acq: 15 Nov 2019 16:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.2	21.4

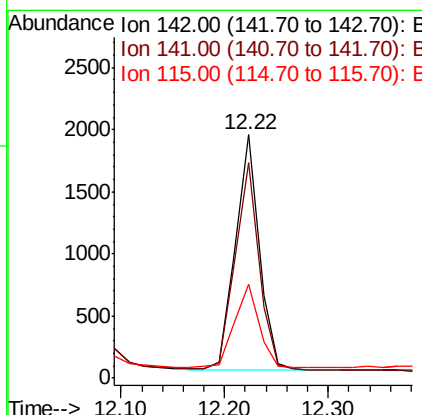
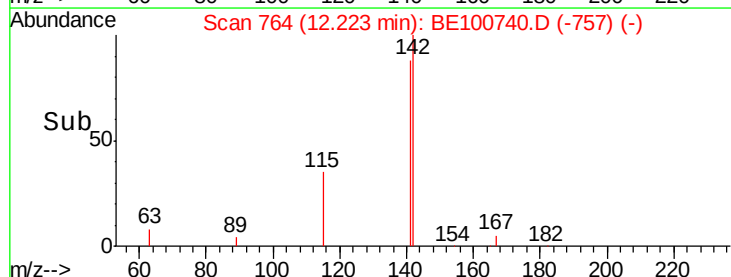
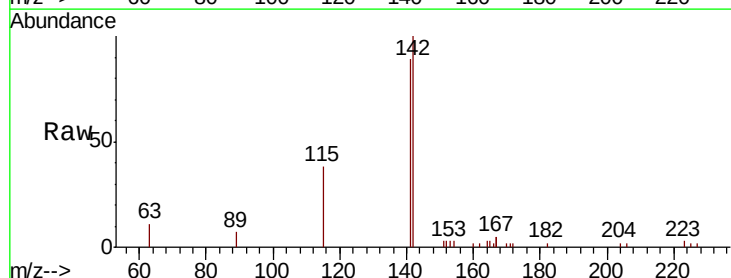
Manual Integrations
 APPROVED

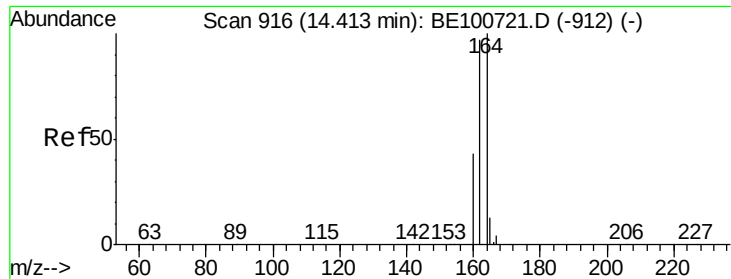
mohammad
 11/18/2019 3:05:30 PM



#12
 2-Methylnaphthalene
 Concen: 0.116 ng
 RT: 12.22 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BE100740.D
 Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	73.3	109.9
115	38.4	29.9	44.9





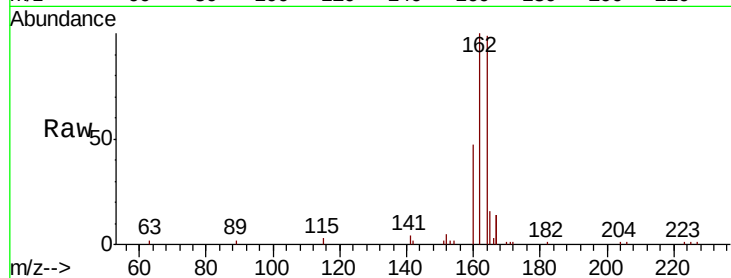
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

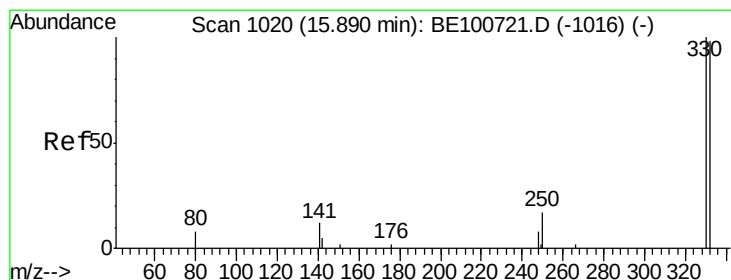
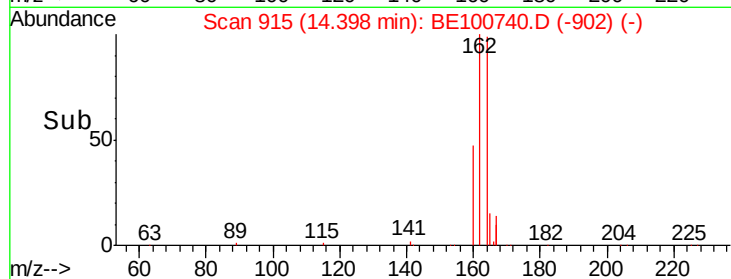
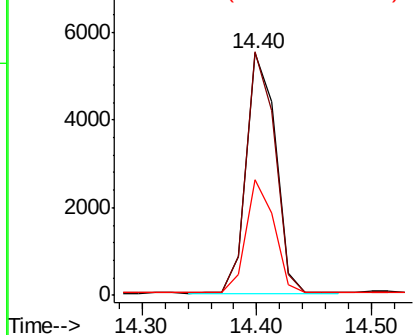
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.8	116.8
160	47.8	35.3	52.9

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM

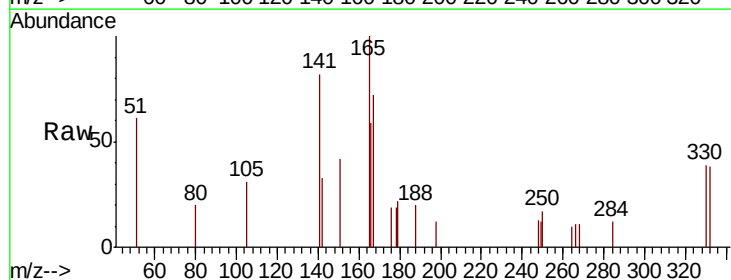


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

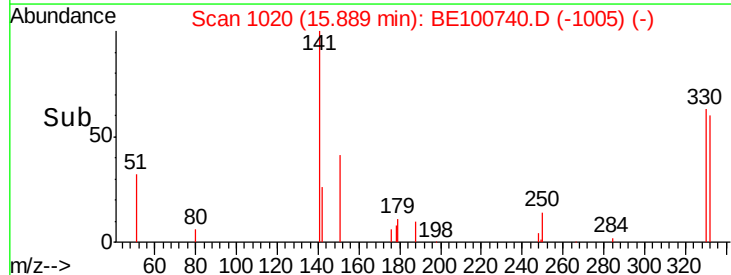
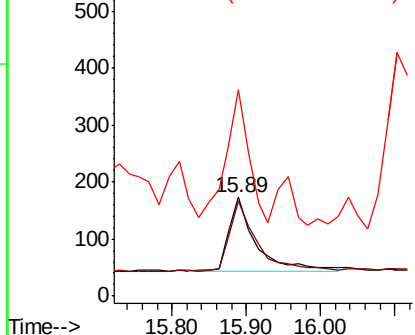


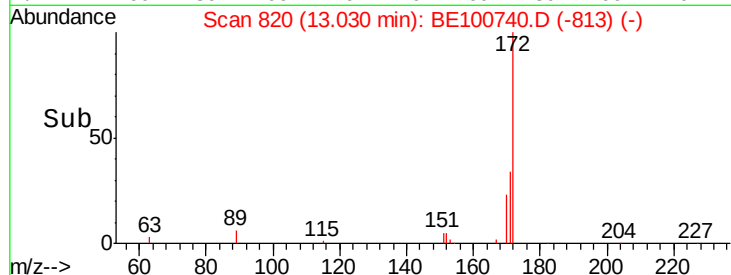
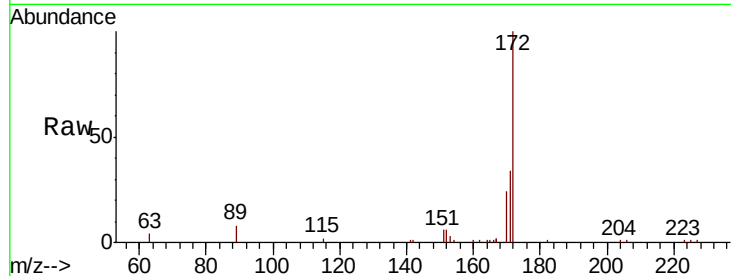
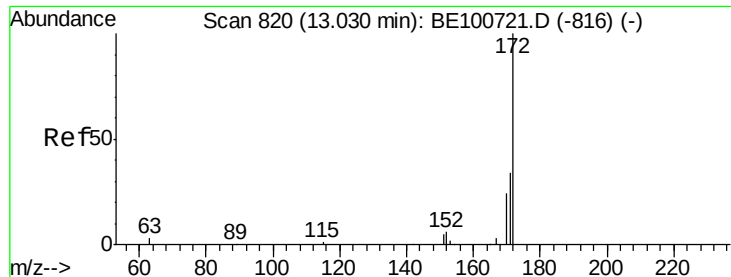
#14
2,4,6-Tribromophenol
Concen: 0.440 ng
RT: 15.89 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	85.0	127.6
141	154.5	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





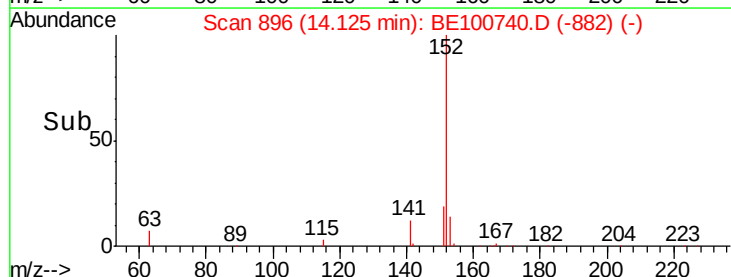
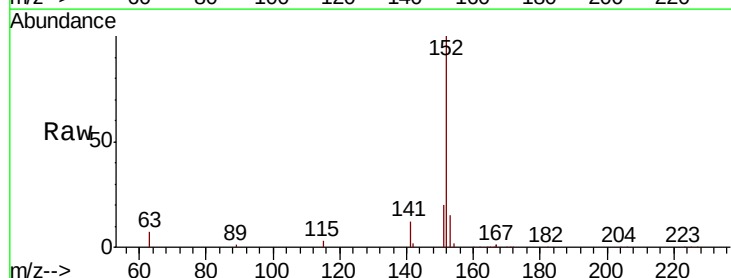
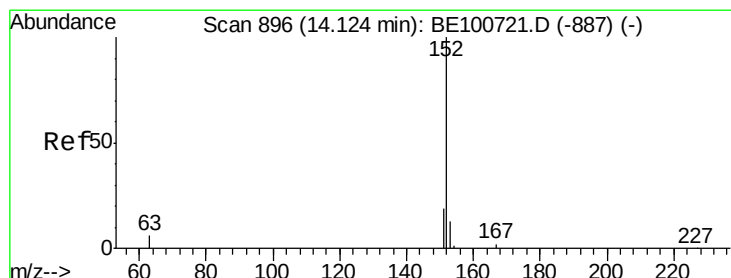
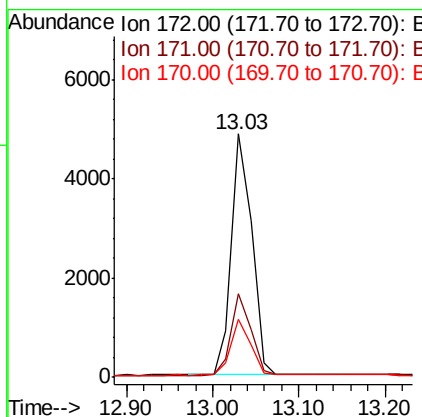
#15
2-Fluorobiphenyl
Concen: 0.224 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	23.7	19.8	29.6

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

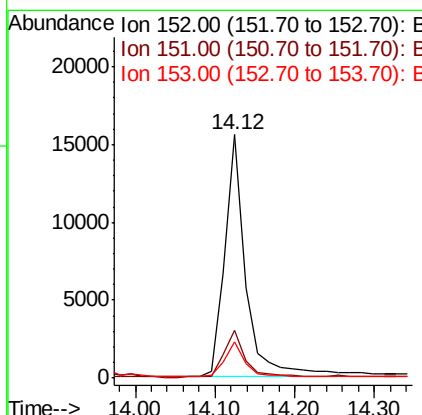
Manual Integrations
APPROVED

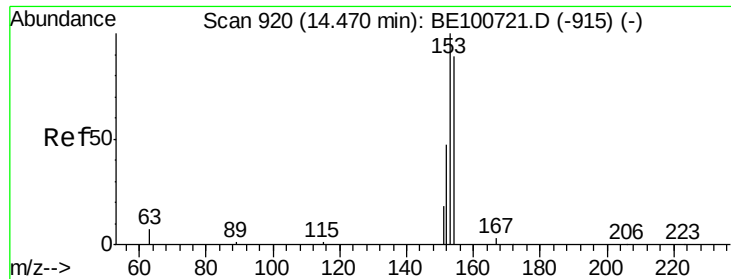
mohammad
11/18/2019 3:05:30 PM



#16
Acenaphthylene
Concen: 0.737 ng
RT: 14.12 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	14.9	22.3
153	13.9	10.7	16.1





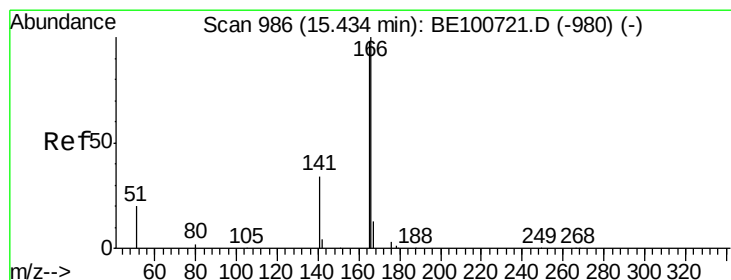
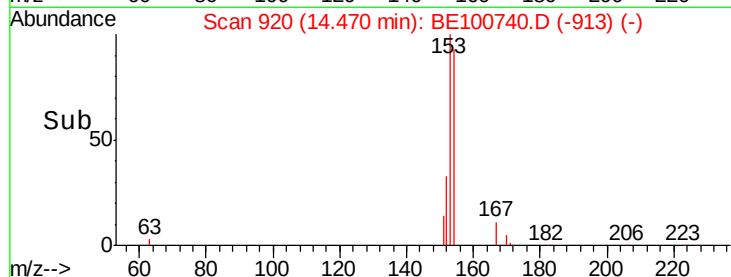
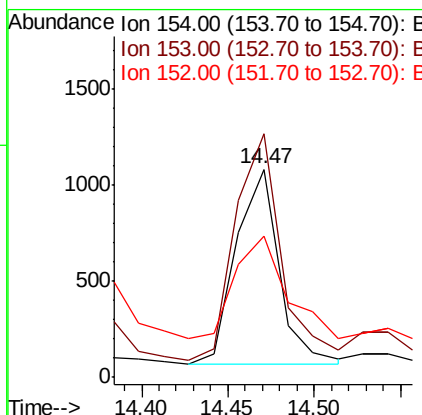
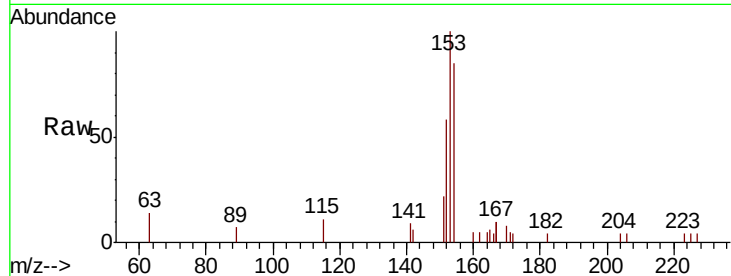
#17
Acenaphthene
Concen: 0.069 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	123.6	91.9	137.9
152	63.6	44.8	67.2

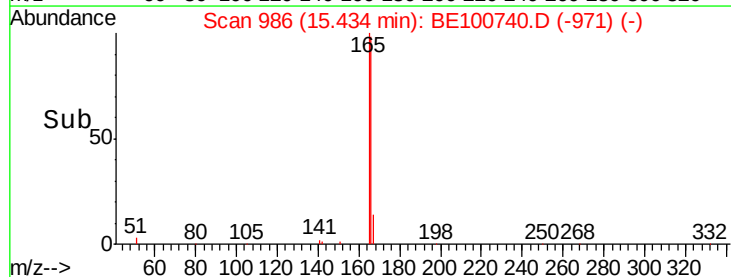
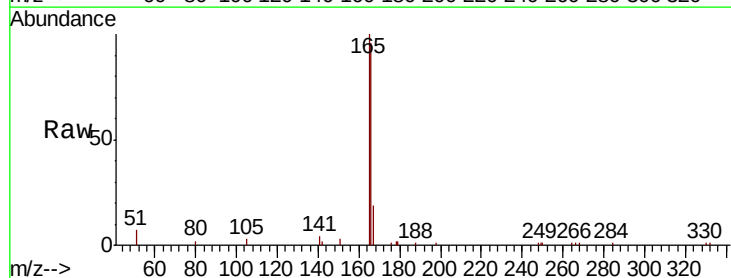
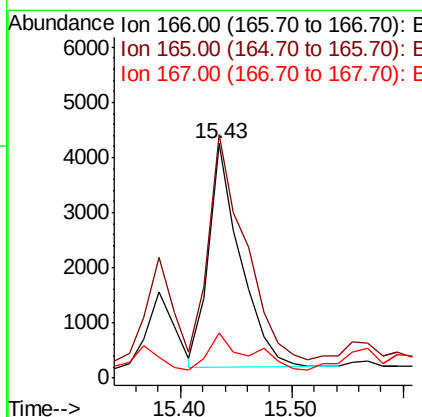
Manual Integrations
APPROVED

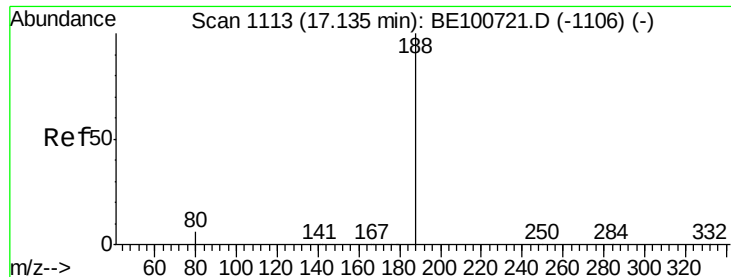
mohammad
11/18/2019 3:05:30 PM



#18
Fluorene
Concen: 0.229 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	114.0	78.2	117.4
167	21.4	10.6	16.0





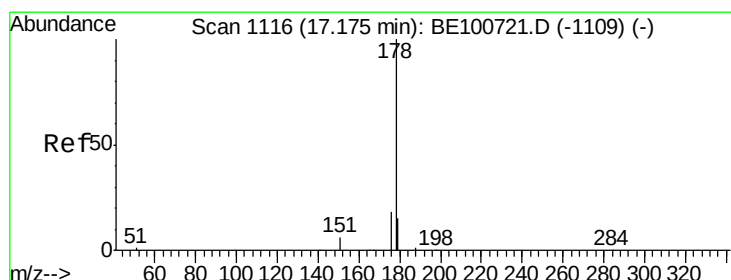
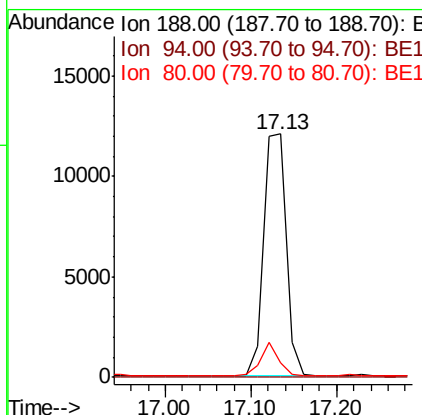
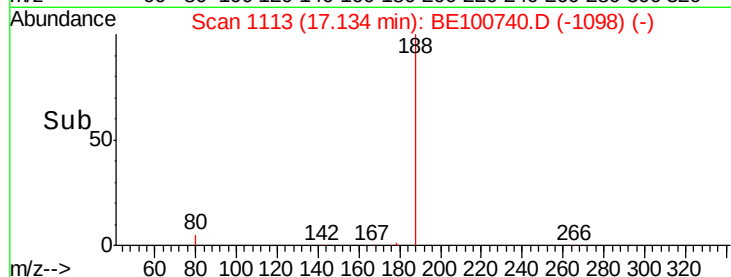
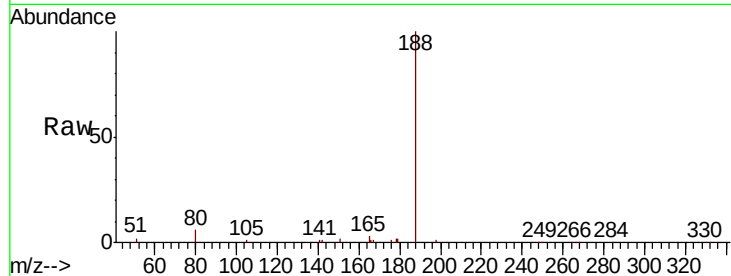
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	5.4	8.0

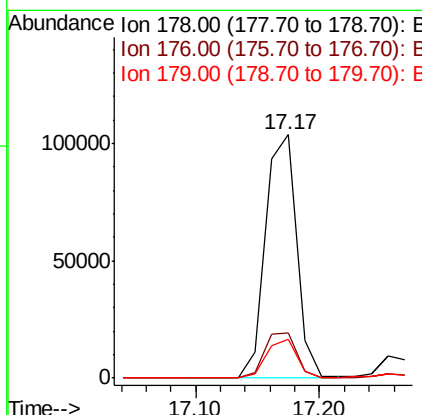
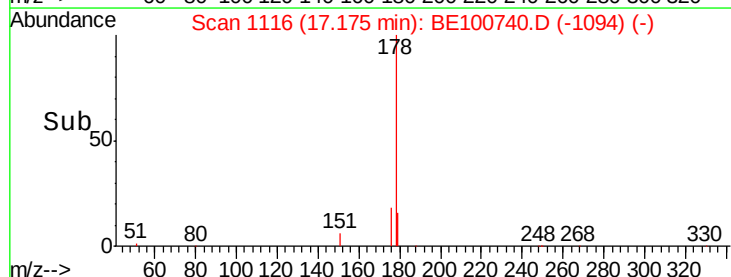
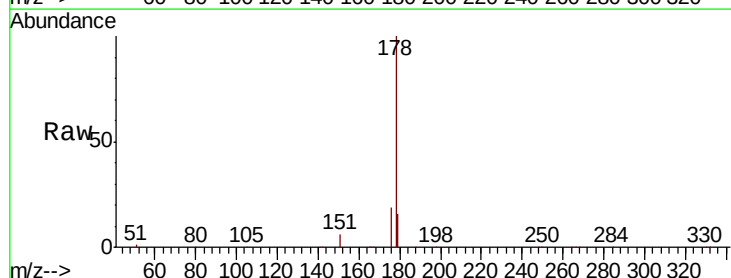
Manual Integrations
APPROVED

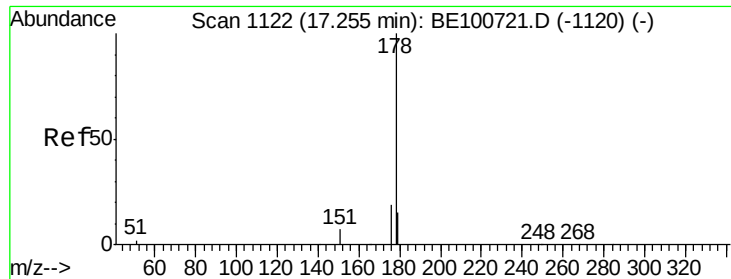
mohammad
11/18/2019 3:05:30 PM



#23
Phenanthrene
Concen: 3.005 ng
RT: 17.17 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.7	12.6	18.8





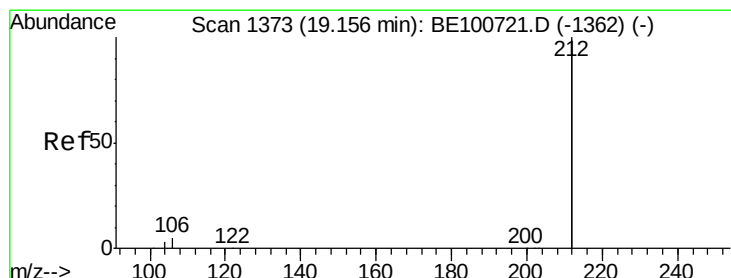
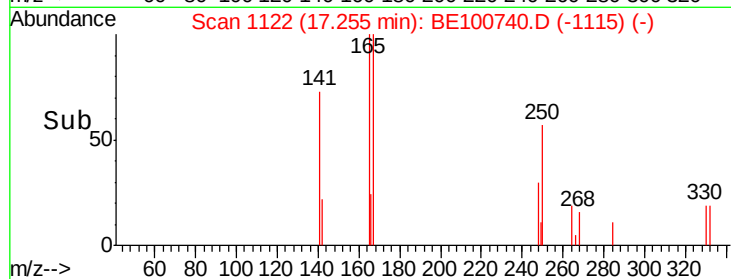
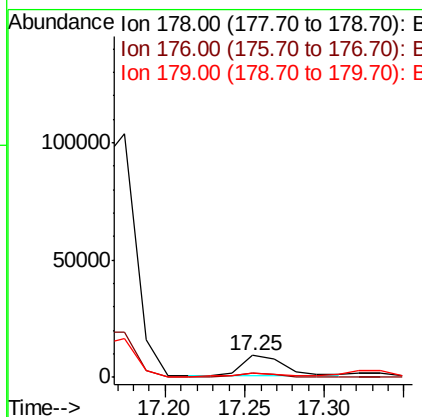
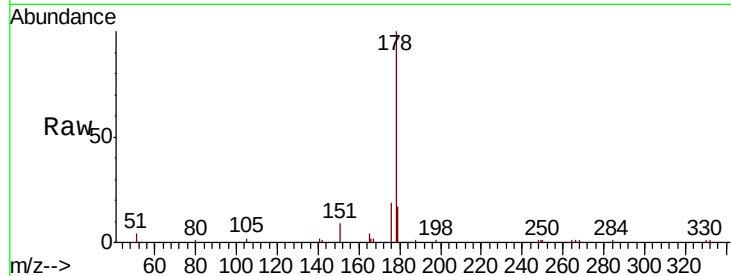
#24
 Anthracene
 Concen: 0.311 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: BE100740.D
 Acq: 15 Nov 2019 16:52

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.6	21.8
179	13.7	12.6	18.8

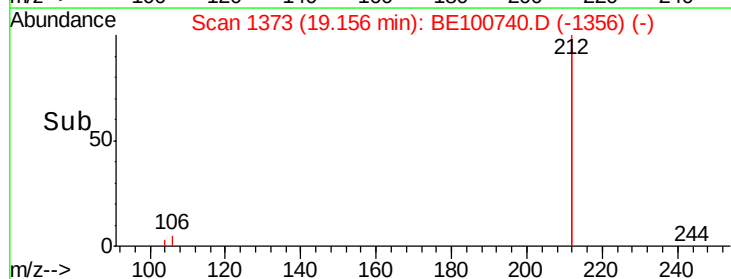
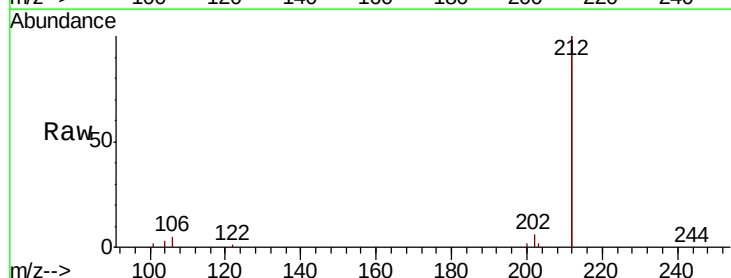
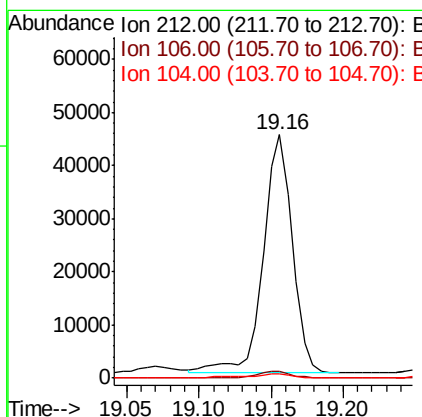
Manual Integrations
 APPROVED

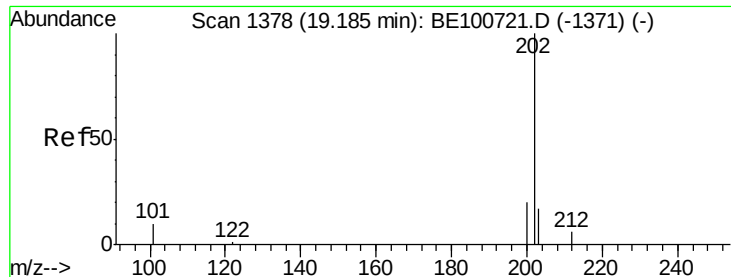
mohammad
 11/18/2019 3:05:30 PM



#25
 Fluoranthene-d10
 Concen: 0.219 ng
 RT: 19.16 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BE100740.D
 Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.4
104	1.7	1.2	1.8





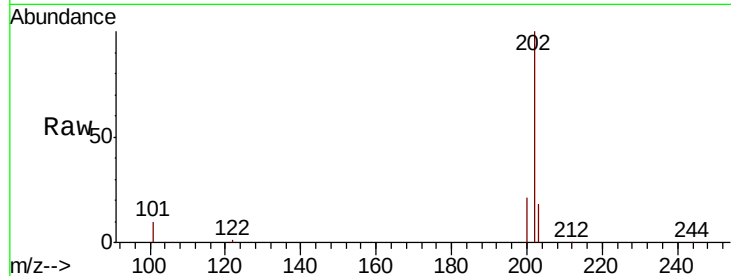
#26
Fluoranthene
Concen: 3.279 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.5	8.6	12.8
203	18.1	13.6	20.4

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM

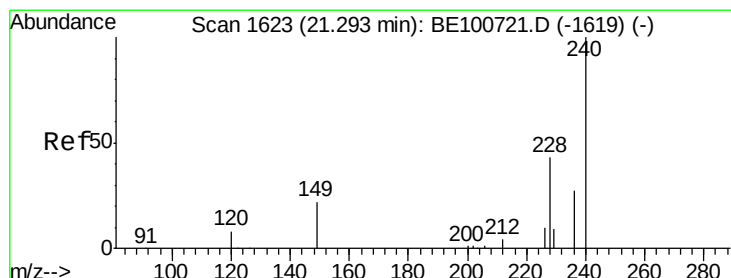
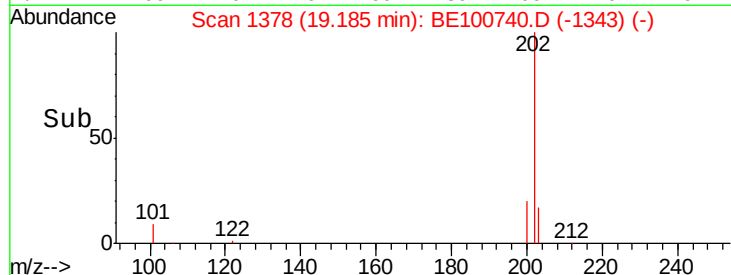
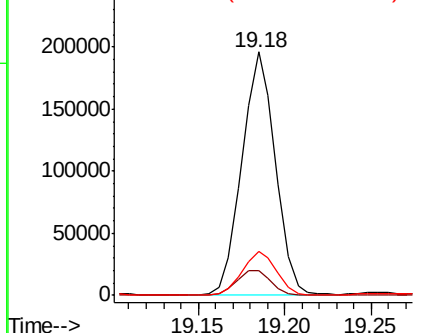


Abundance

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



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

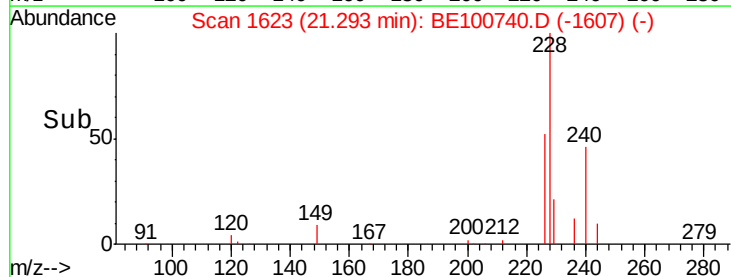
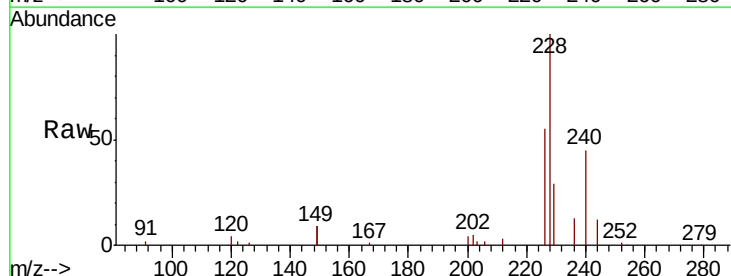
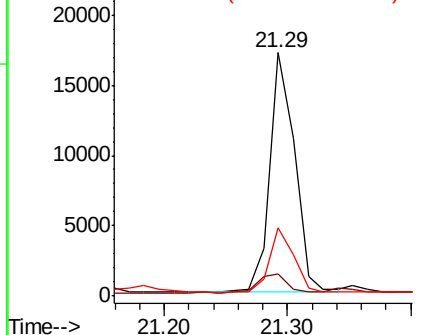
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.0	7.4	11.0
236	28.2	21.8	32.6

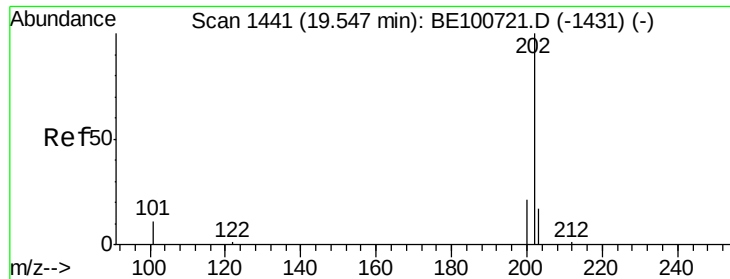
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





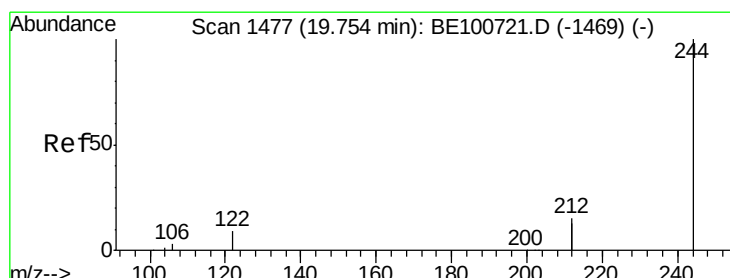
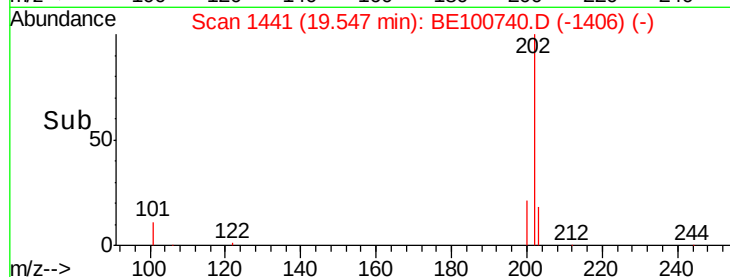
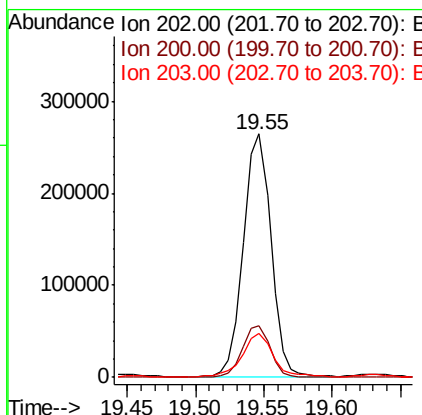
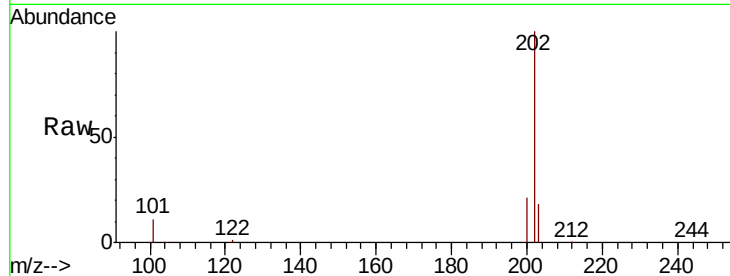
#28
Pvrene
Concen: 5.514 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	17.0	25.4	
203	19.9	14.0	21.0	

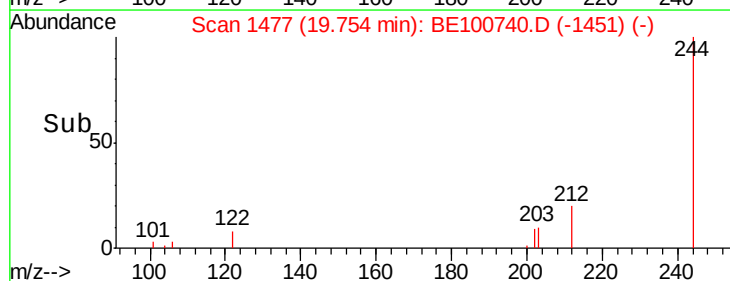
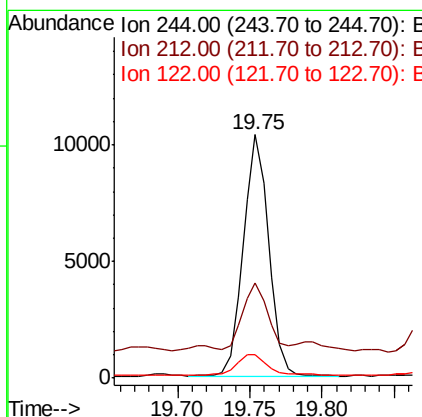
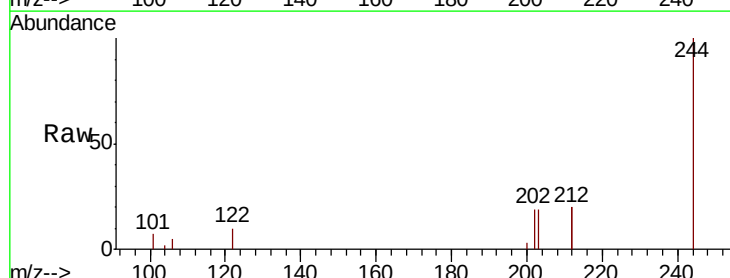
Manual Integrations
APPROVED

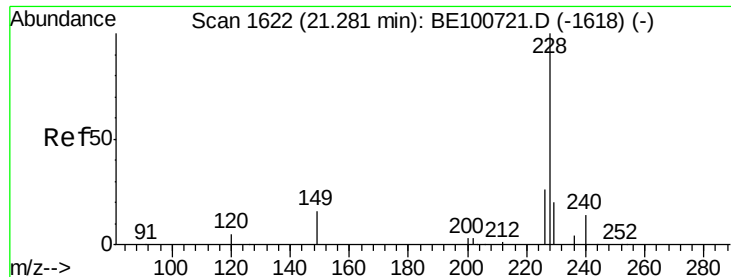
mohammad
11/18/2019 3:05:30 PM



#29
Terphenyl-d14
Concen: 0.220 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	39.2	24.3	36.5	
122	9.7	7.6	11.4	





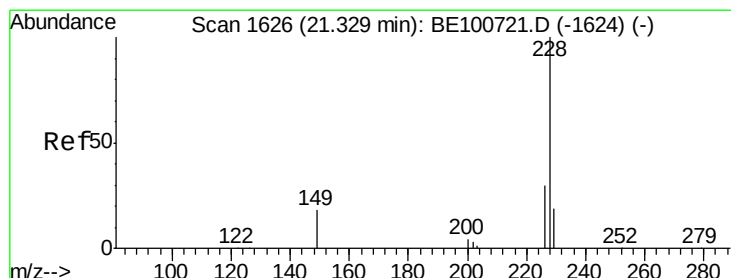
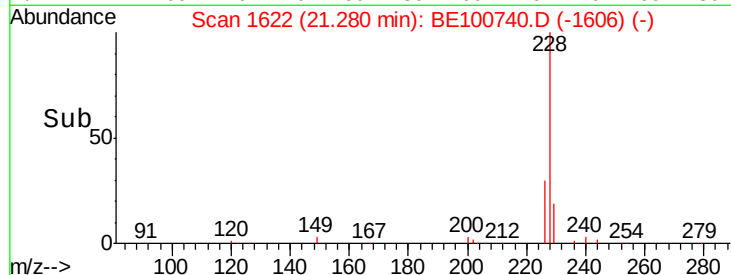
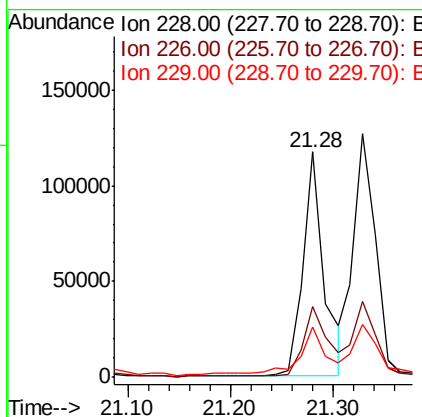
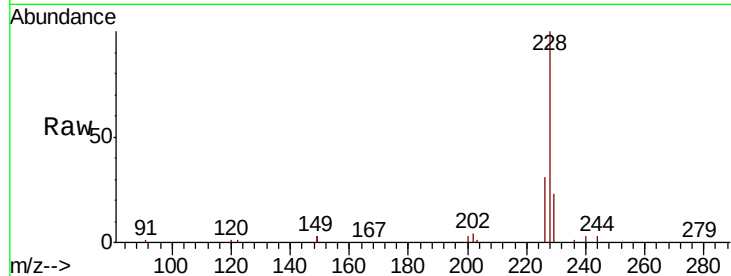
#30
Benzo(a)anthracene
Concen: 2.184 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.1	31.7
229	22.6	15.9	23.9

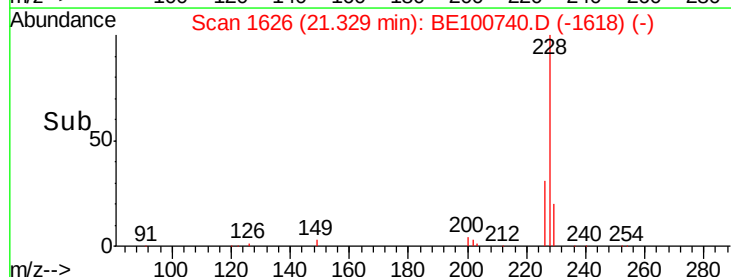
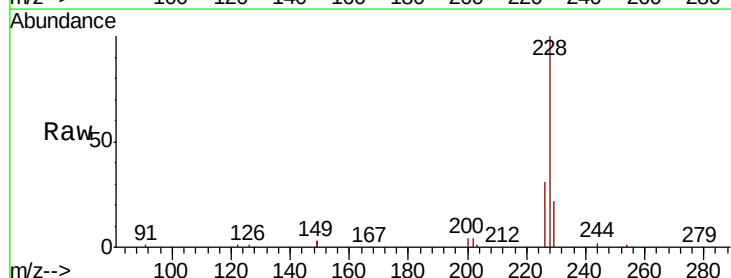
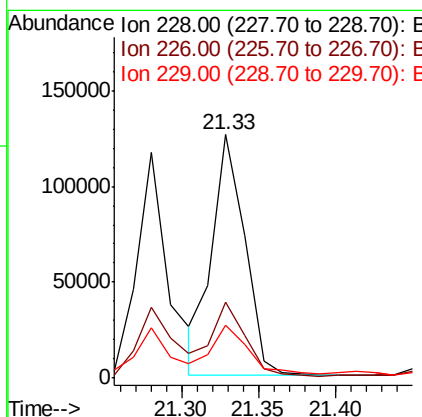
Manual Integrations
APPROVED

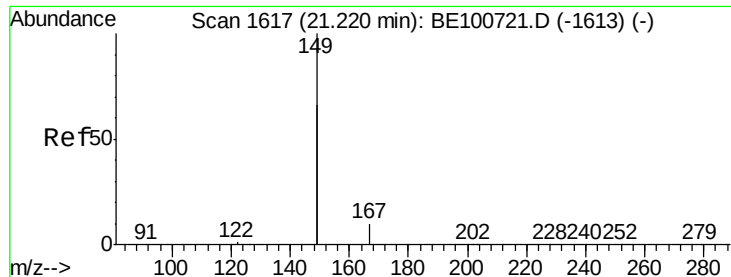
mohammad
11/18/2019 3:05:30 PM



#31
Chrysene
Concen: 2.365 ng
RT: 21.33 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	21.8	15.5	23.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.280 ng

RT: 21.22 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Instrument :

BNA_E

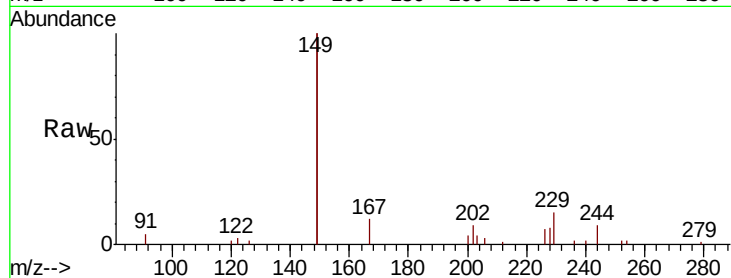
ClientSampleId :

PST-024-SW136-110619-1

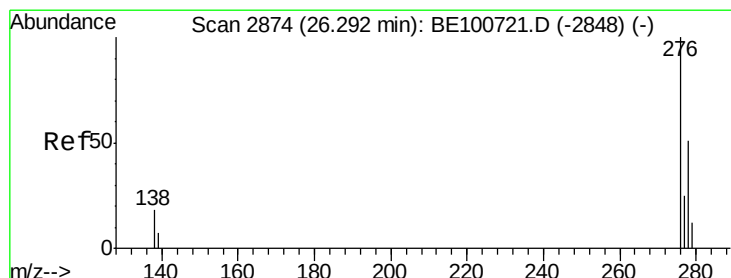
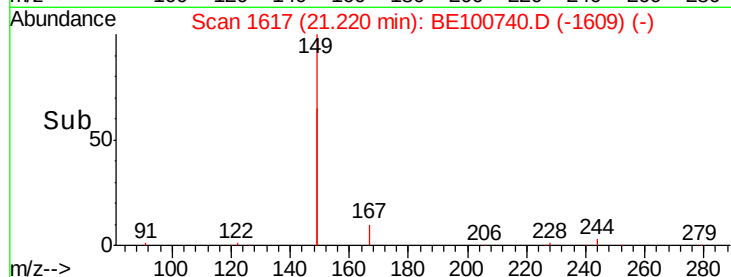
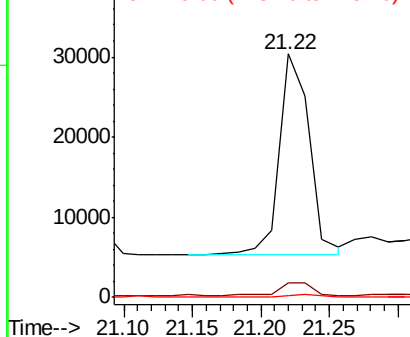
Tot Ion:	149	Resp:	38324
Ion Ratio	Lower	Upper	
149	100		
167	6.6	5.2	7.8
279	1.2	0.9	1.3

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM



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: 0.947 ng

RT: 26.28 min Scan# 2872

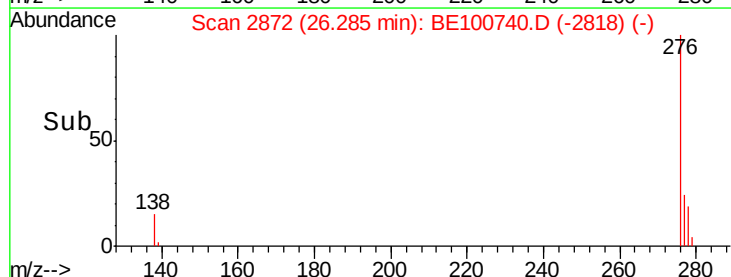
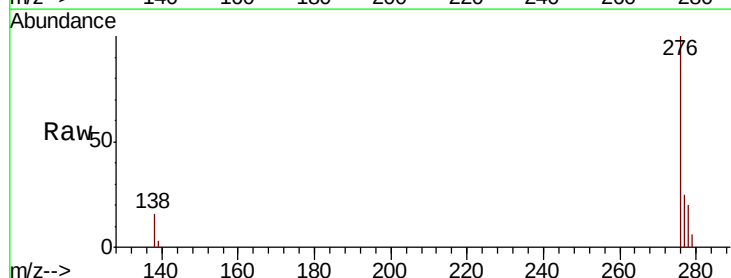
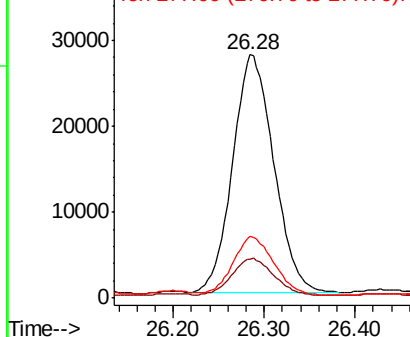
Delta R.T. -0.01 min

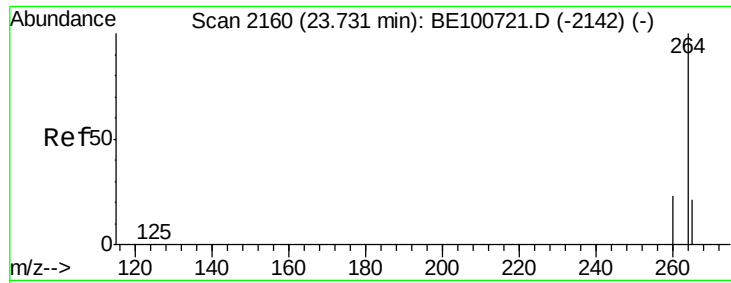
Lab File: BE100740.D

Acq: 15 Nov 2019 16:52

Tgt Ion:	276	Resp:	86955
Ion Ratio	Lower	Upper	
276	100		
138	15.8	14.8	22.2
277	24.6	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





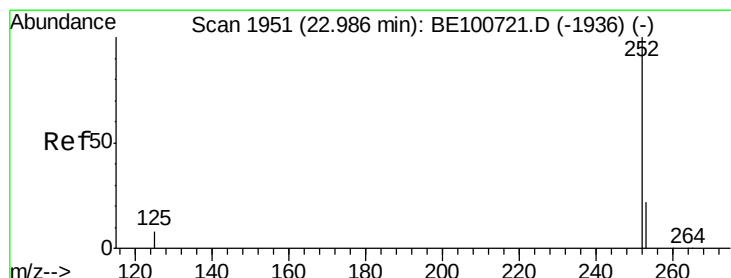
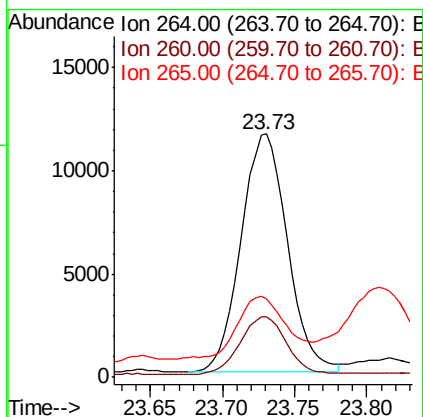
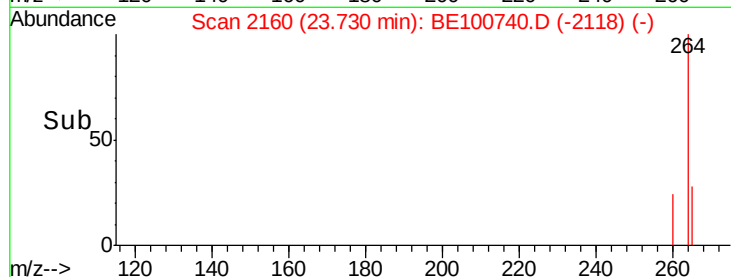
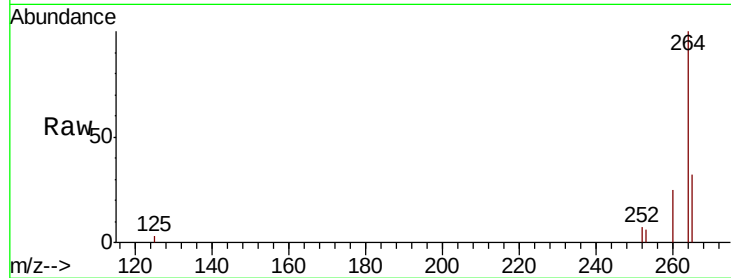
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.1	28.7
265	32.1	19.7	29.5

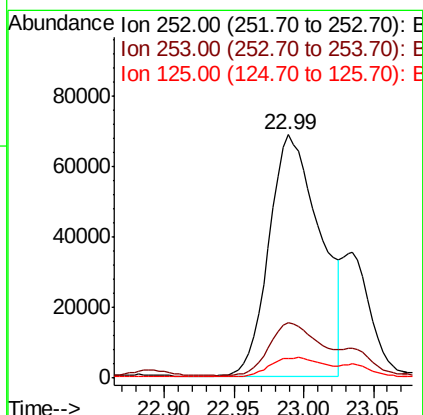
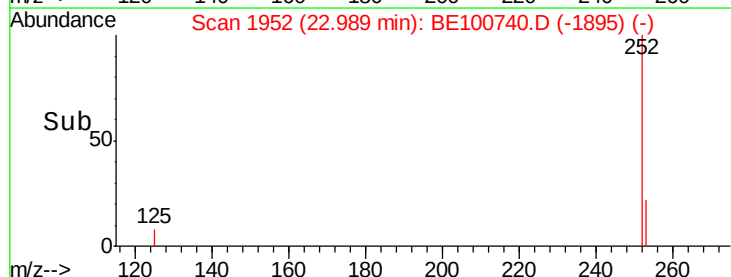
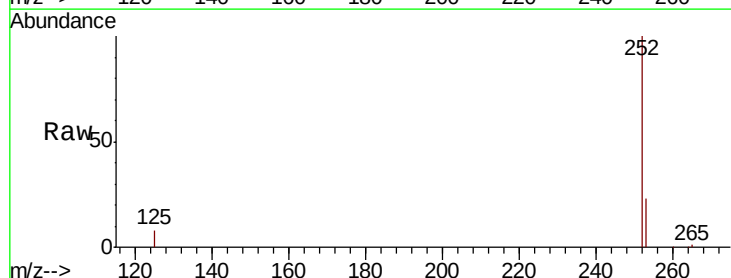
Manual Integrations
APPROVED

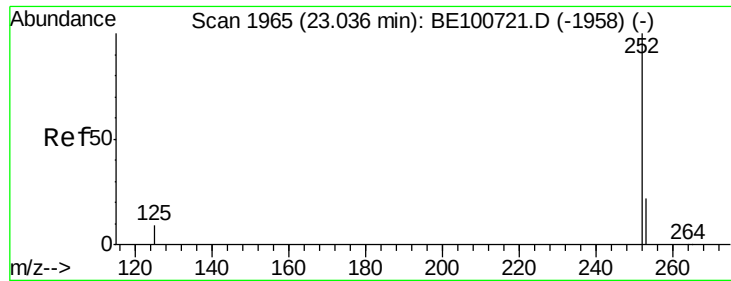
mohammad
11/18/2019 3:05:30 PM



#35
Benzo(b)fluoranthene
Concen: 2.361 ng
RT: 22.99 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	8.3	7.0	10.4





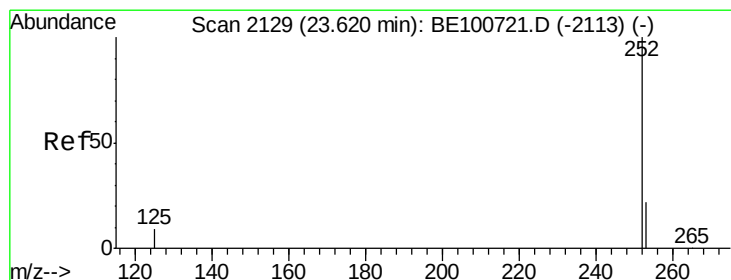
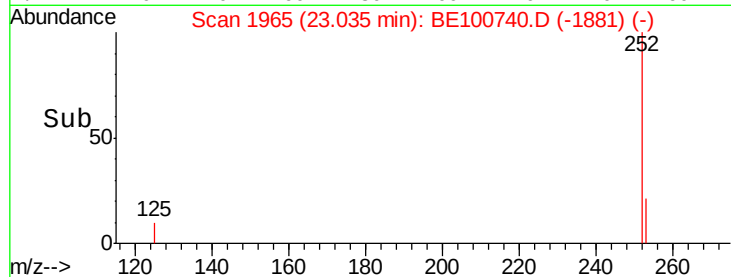
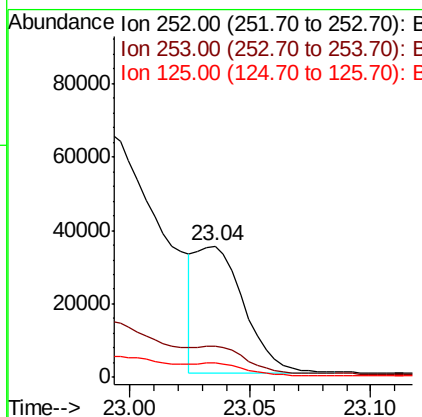
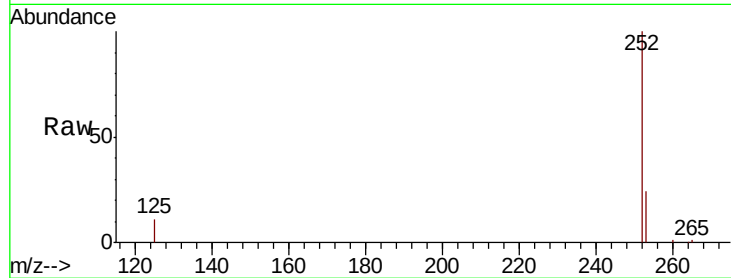
#36
Benzo(k)fluoranthene
Concen: 0.621 ng m
RT: 23.04 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.6	27.8
125	11.1	7.6	11.4

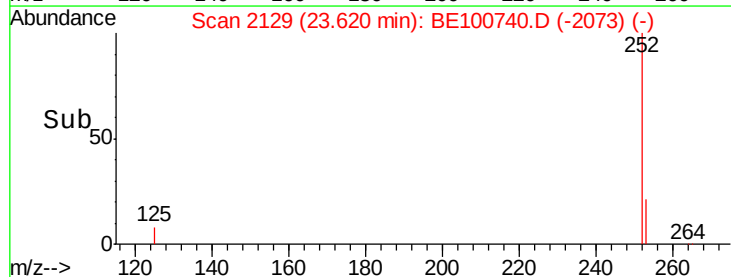
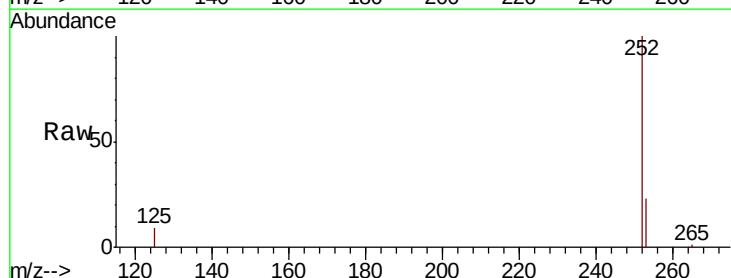
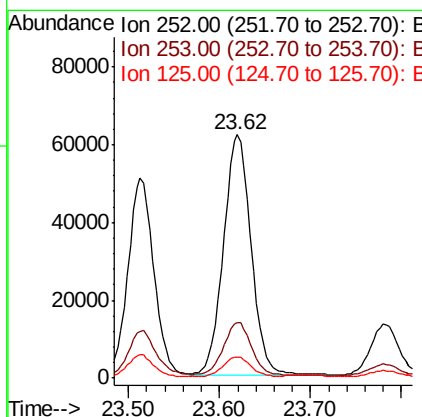
Manual Integrations
APPROVED

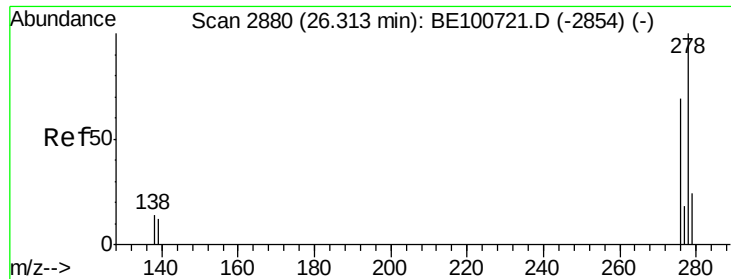
mohammad
11/18/2019 3:05:30 PM



#37
Benzo(a)pyrene
Concen: 1.895 ng
RT: 23.62 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.6	28.0
125	8.8	7.9	11.9





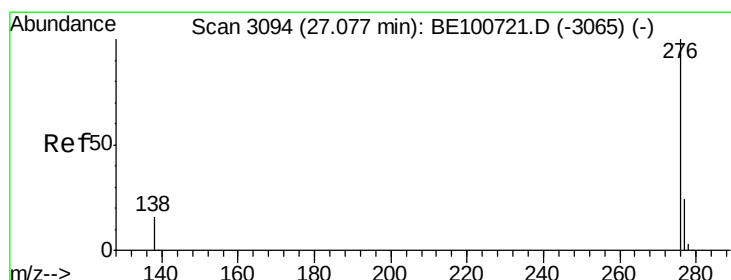
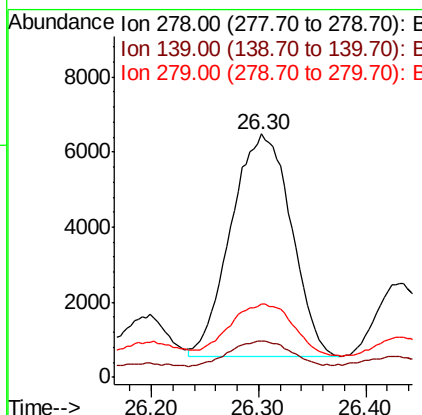
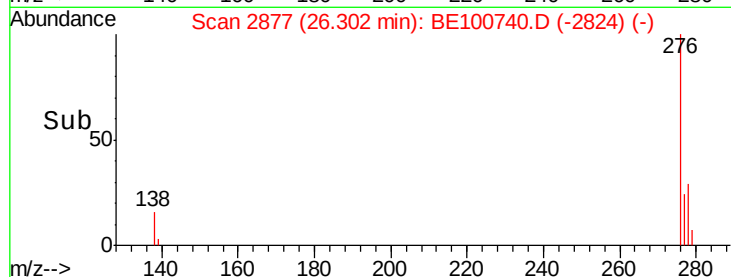
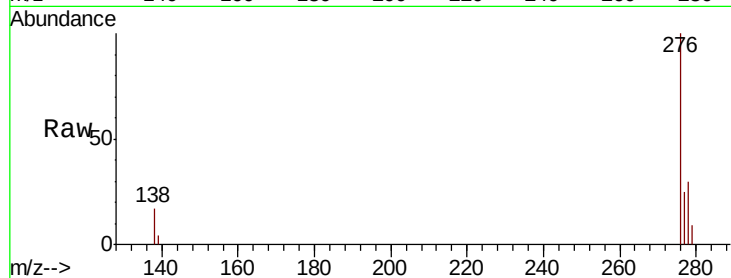
#38
Dibenzo(a,h)anthracene
Concen: 0.321 ng
RT: 26.30 min Scan# 2877
Delta R.T. -0.01 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Instrument :
BNA_E
ClientSampleId :
PST-024-SW136-110619-1

Tot Ion:278	Resp:	23066
Ion Ratio	Lower	Upper
278	100	
139	14.9	10.3 15.5
279	30.0	20.6 31.0

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:30 PM



#39
Benzo(g,h,i)perylene
Concen: 1.404 ng
RT: 27.07 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BE100740.D
Acq: 15 Nov 2019 16:52

Tgt Ion:276	Resp:	98926
Ion Ratio	Lower	Upper
276	100	
277	25.0	19.8 29.6
138	16.6	13.6 20.4

