

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100737.D
 Acq On : 15 Nov 2019 15:02
 Operator : JU
 Sample : K5728-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW129-110619-1

Manual Integrations
 APPROVED

mohammad
 11/18/2019 3:05:20 PM

Quant Time: Nov 15 23:03:31 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	3038	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	12759	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	7951	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	19051	0.40	ng	0.00
27) Chrysene-d12	21.29	240	20533	0.40	ng	0.00
34) Perylene-d12	23.73	264	22235	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.36	112	4791	0.54	ng	0.00
5) Phenol-d6	6.94	99	6616	0.53	ng	0.00
8) Nitrobenzene-d5	8.91	82	4006	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	8157	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	277	0.46	ng	0.01
15) 2-Fluorobiphenyl	13.03	172	11652	0.40	ng	0.00
25) Fluoranthene-d10	19.15	212	95427	0.38	ng	0.00
29) Terphenyl-d14	19.76	244	19347	0.40	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.17	178	17200	0.331	ng	99
24) Anthracene	17.25	178	1283	0.028	ng	# 90
26) Fluoranthene	19.18	202	38346	0.553	ng	99
28) Pyrene	19.55	202	33649	0.590	ng	97
30) Benzo(a)anthracene	21.28	228	14981	0.227	ng	96
31) Chrysene	21.33	228	16098	0.241	ng	98
32) Bis(2-ethylhexyl)phthalate	21.22	149	18815	0.161	ng	99
33) Indeno(1,2,3-cd)pyrene	26.28	276	10407	0.133	ng	96
35) Benzo(b)fluoranthene	22.99	252	20497	0.316	ng	98
36) Benzo(k)fluoranthene	23.03	252	8261m	0.122	ng	
37) Benzo(a)pyrene	23.62	252	12892	0.213	ng	98
38) Dibenzo(a,h)anthracene	26.31	278	2428	0.039	ng	# 75
39) Benzo(a,h,i)perylene	27.07	276	10691	0.173	ng	98

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

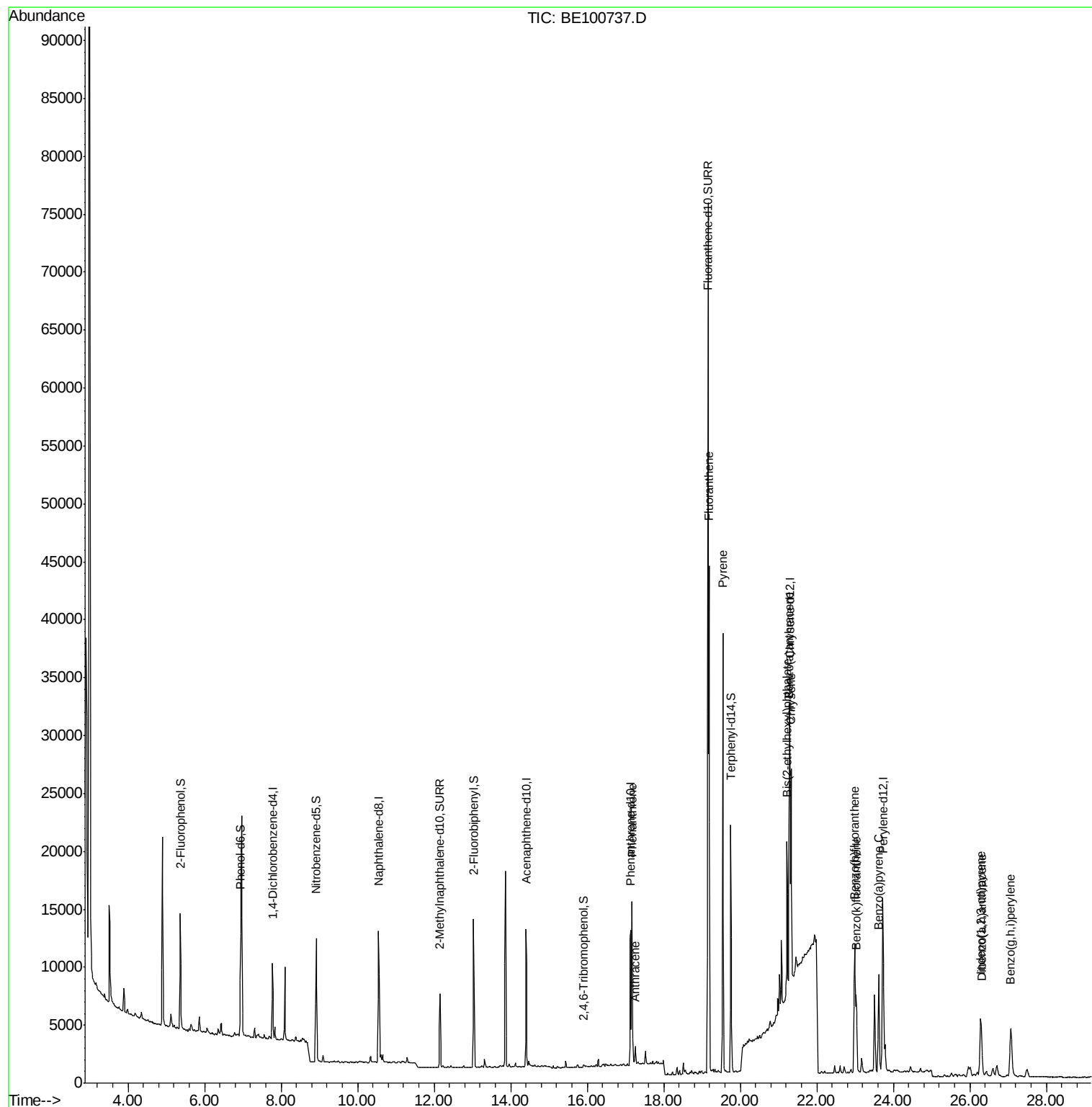
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
Data File : BE100737.D
Acq On : 15 Nov 2019 15:02
Operator : JU
Sample : K5728-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM

Quant Time: Nov 15 23:03:31 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

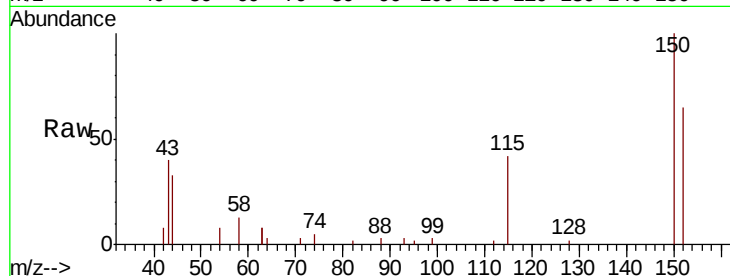
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.4	185.0
115	64.8	52.1	78.1

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM

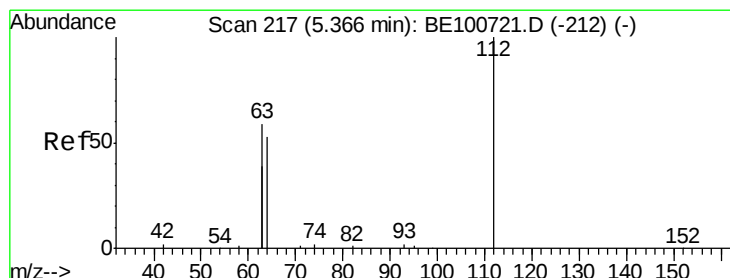
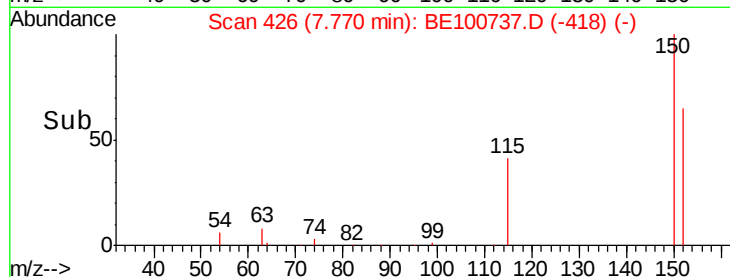
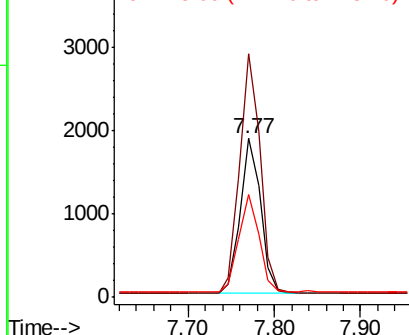


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

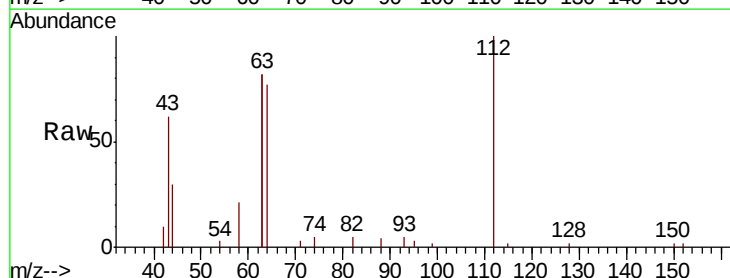
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.540 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.1	58.3	87.5
63	146.1	115.4	173.2

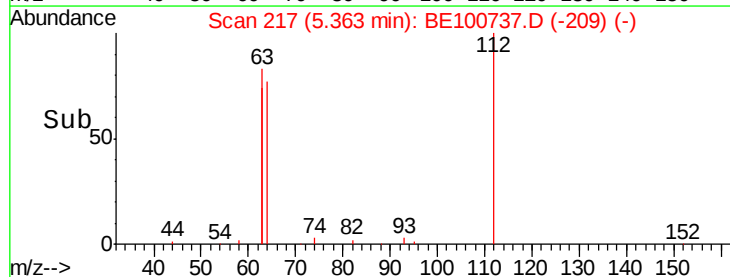
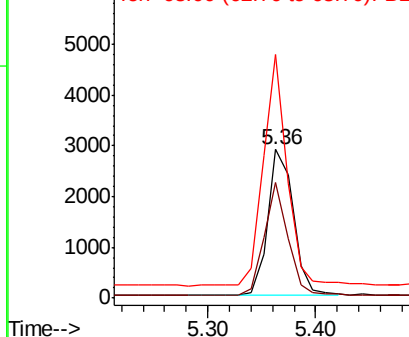


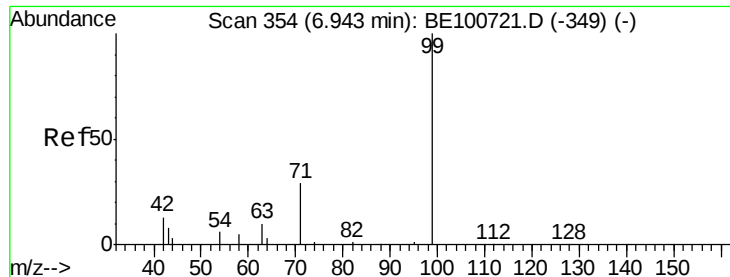
Abundance

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: 0.527 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

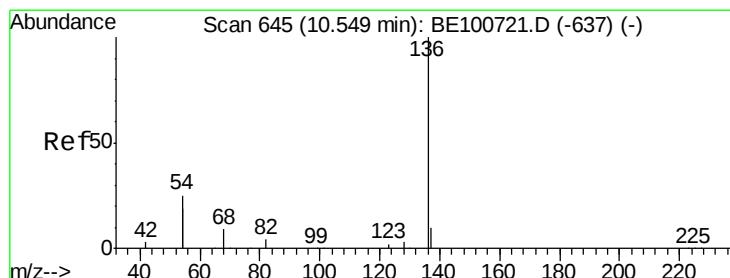
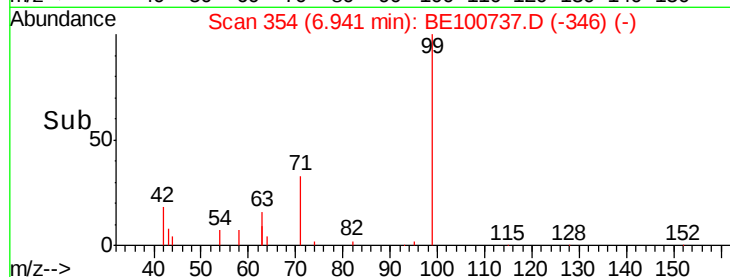
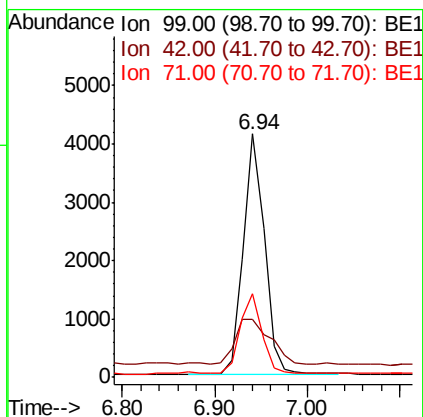
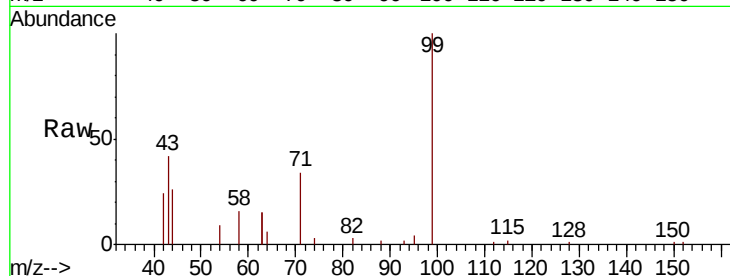
ClientSampleId :

PST-024-SW129-110619-1

Tot Ion:	99	Resp:	6616
Ion	Ratio	Lower	Upper
99	100		
42	31.8	17.8	26.6#
71	34.3	27.3	40.9

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



#7

Naphthalene-d8

Concen: 0.400 ng

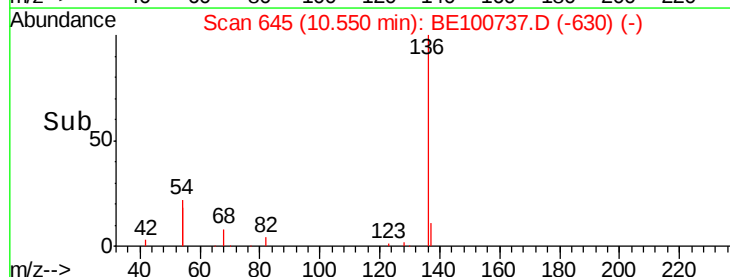
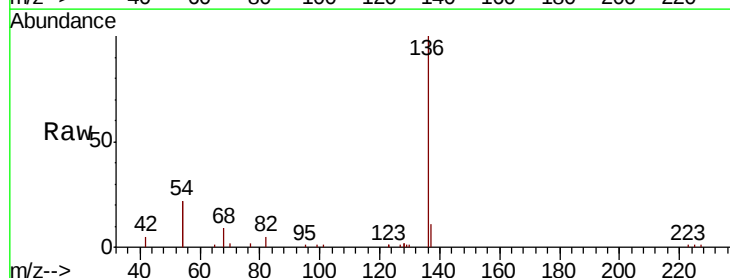
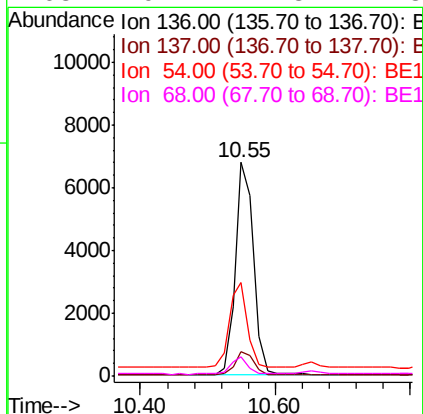
RT: 10.55 min Scan# 645

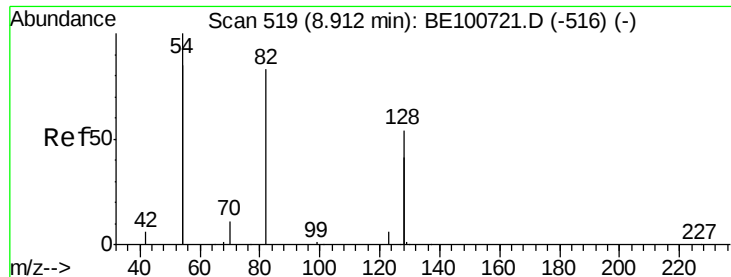
Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt Ion:	136	Resp:	12759
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	44.0	39.0	58.6
68	9.1	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.369 ng

RT: 8.91 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

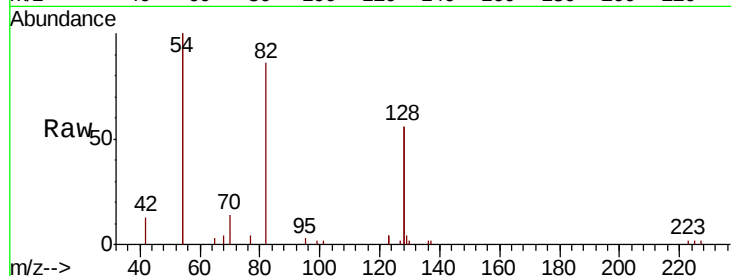
ClientSampleId :

PST-024-SW129-110619-1

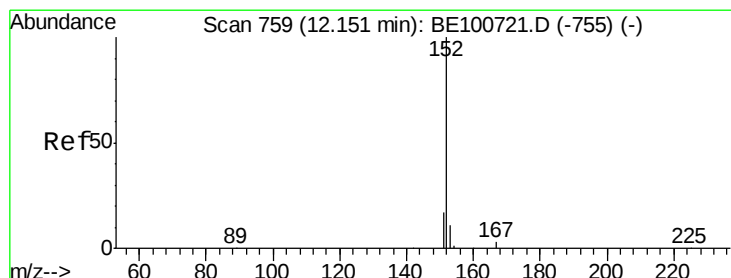
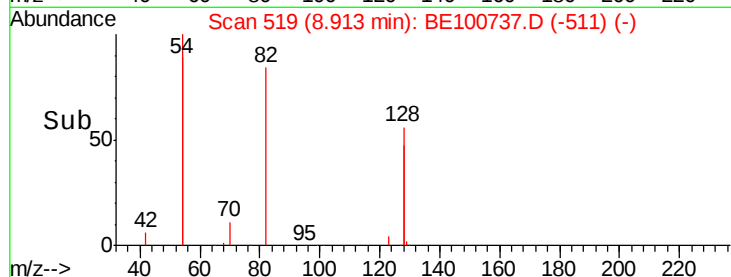
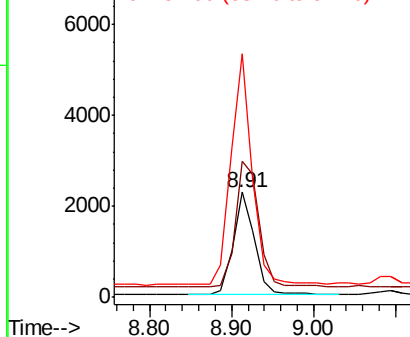
Tot Ion:	82	Resp:	4006
Ion	Ratio	Lower	Upper
82	100		
128	129.5	99.6	149.4
54	232.4	183.8	275.8

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



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



#11

2-Methylnaphthalene-d10

Concen: 0.401 ng

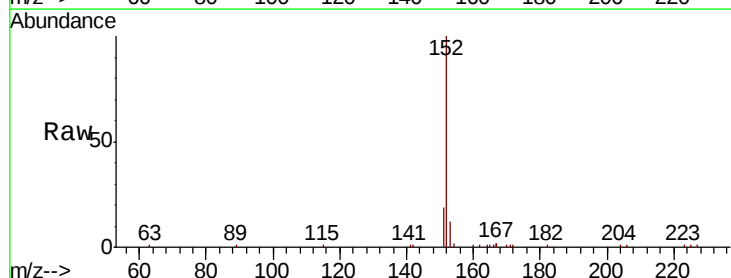
RT: 12.15 min Scan# 759

Delta R.T. 0.00 min

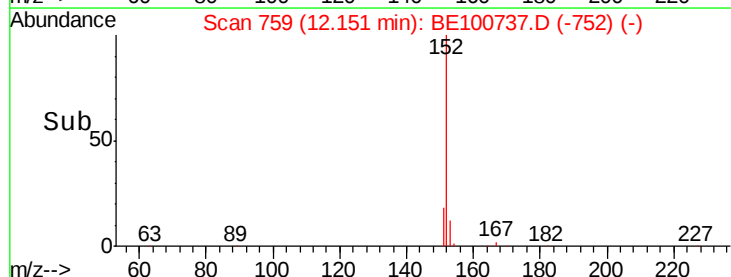
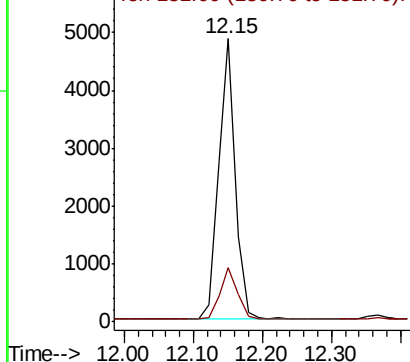
Lab File: BE100737.D

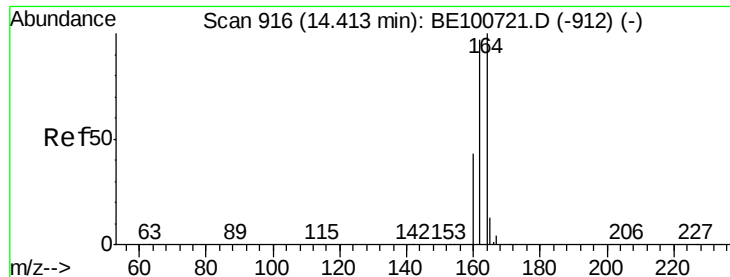
Acq: 15 Nov 2019 15:02

Tgt Ion:	152	Resp:	8157
Ion	Ratio	Lower	Upper
152	100		
151	19.4	14.2	21.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E





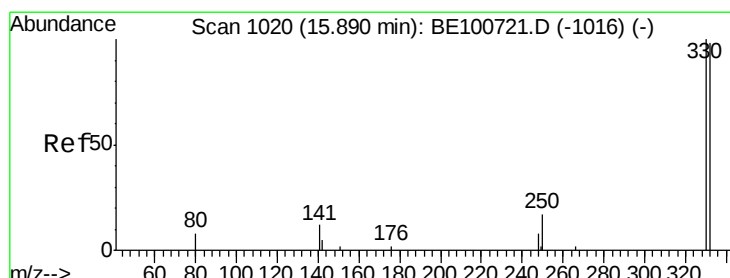
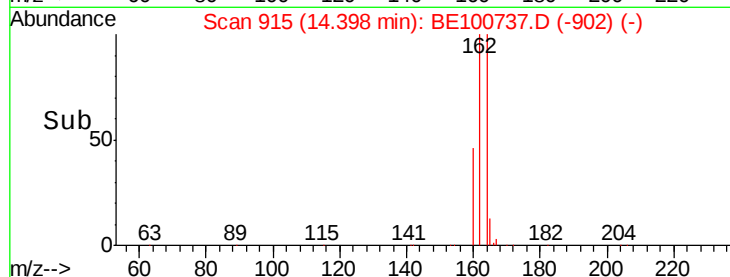
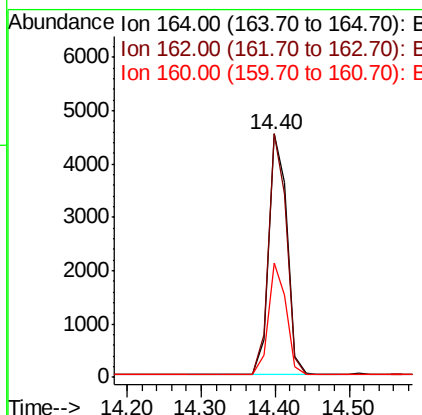
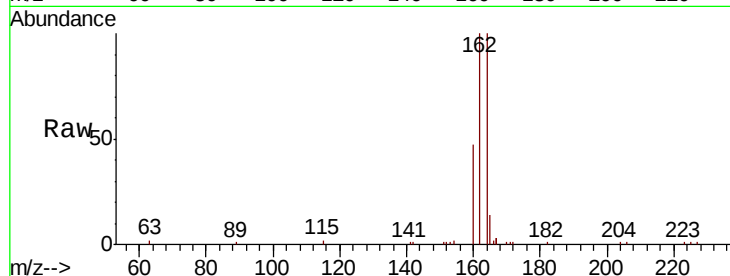
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	77.8	116.8
160	47.1	35.3	52.9

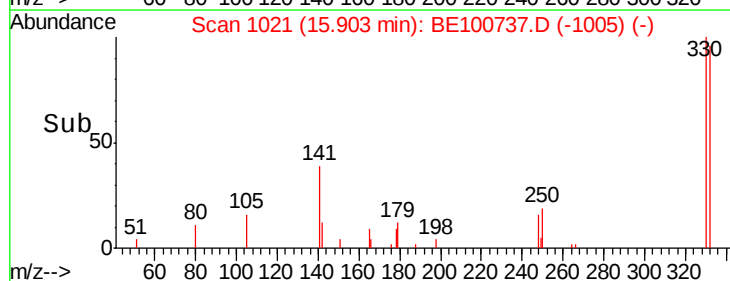
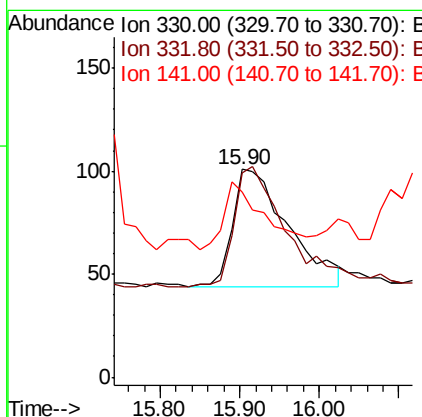
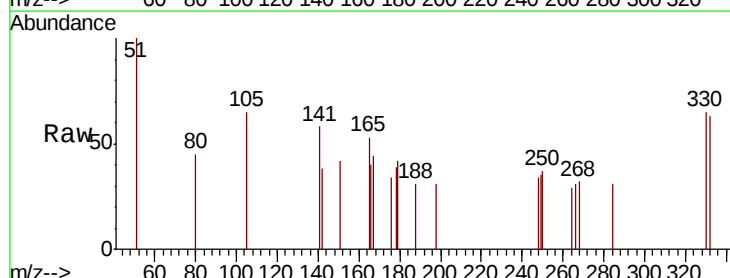
Manual Integrations
APPROVED

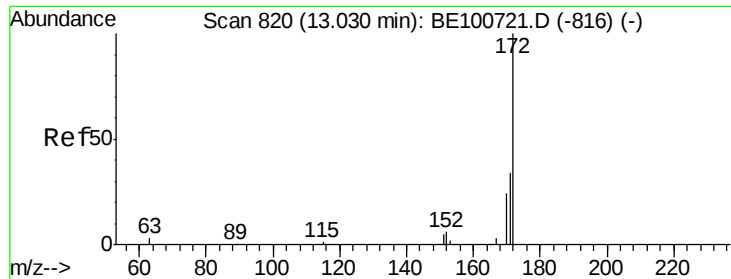
mohammad
11/18/2019 3:05:20 PM



#14
2,4,6-Tribromophenol
Concen: 0.456 ng
RT: 15.90 min Scan# 1021
Delta R.T. 0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.9	85.0	127.6
141	0.0	28.2	42.2#





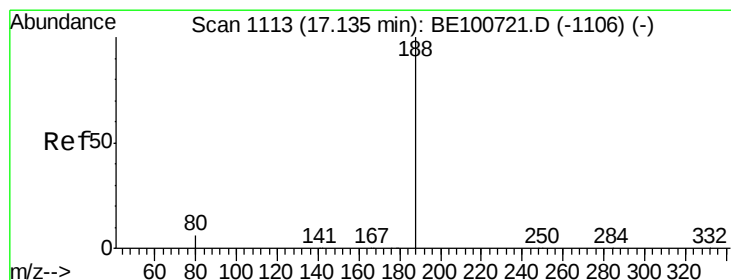
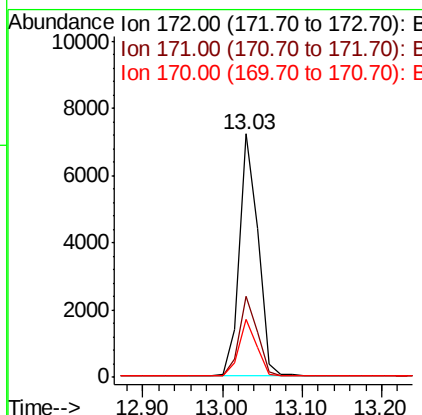
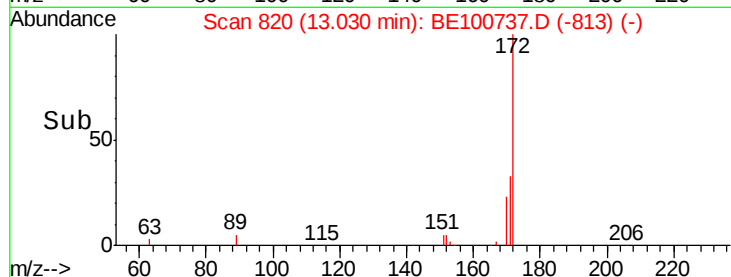
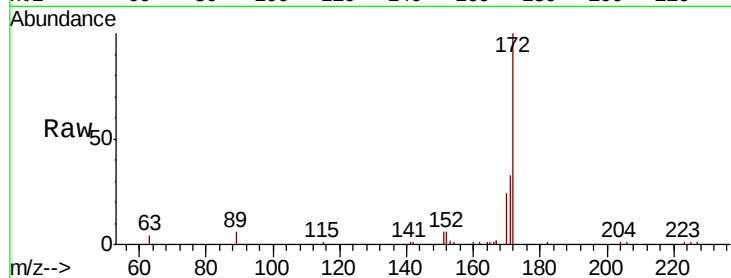
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.1	42.1
170	24.0	19.8	29.6

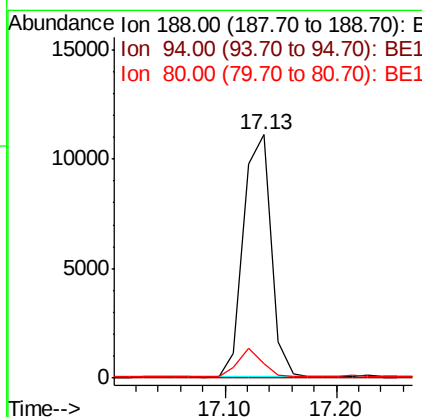
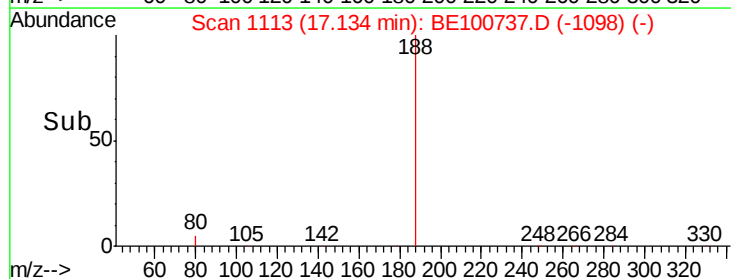
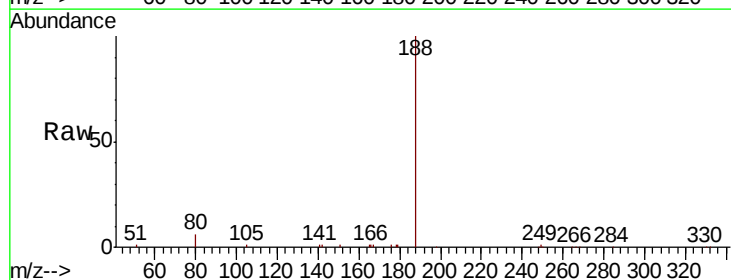
Manual Integrations
APPROVED

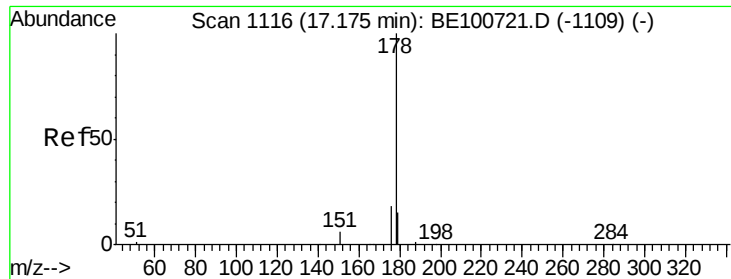
mohammad
11/18/2019 3:05:20 PM



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	5.4	8.0





#23

Phenanthrene

Concen: 0.331 ng

RT: 17.17 min Scan# 1116

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

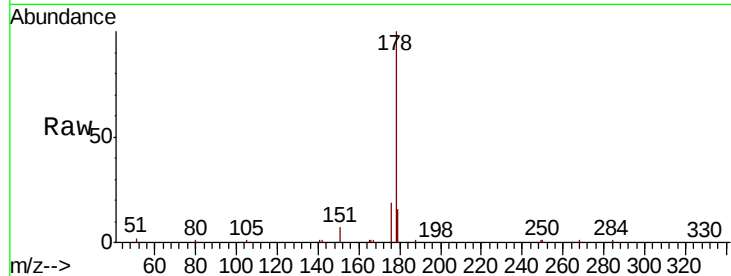
ClientSampleId :

PST-024-SW129-110619-1

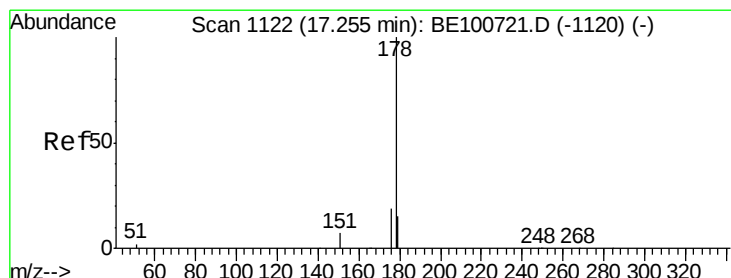
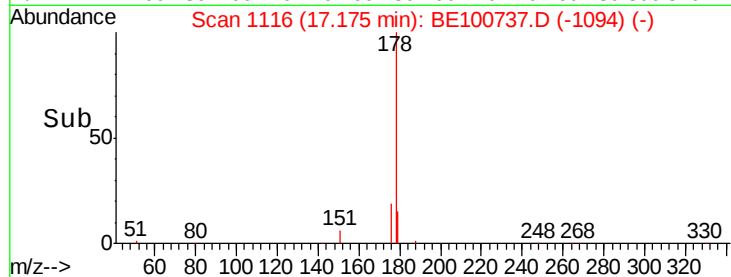
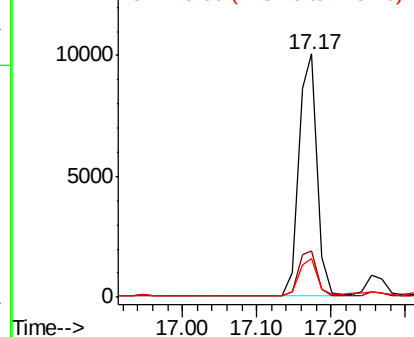
Tot Ion:	178	Resp:	17200
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.2	12.6	18.8

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.028 ng

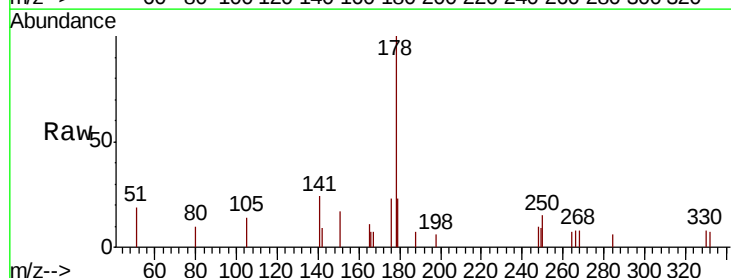
RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

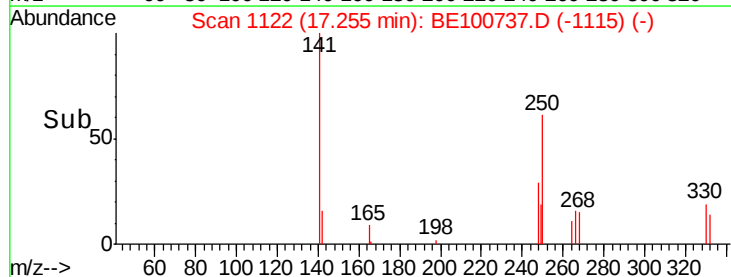
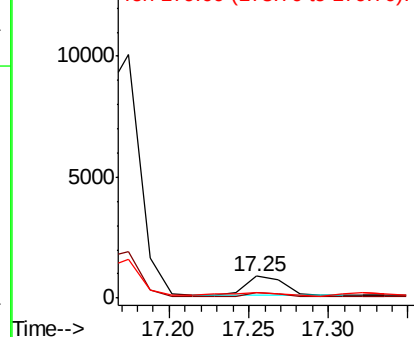
Lab File: BE100737.D

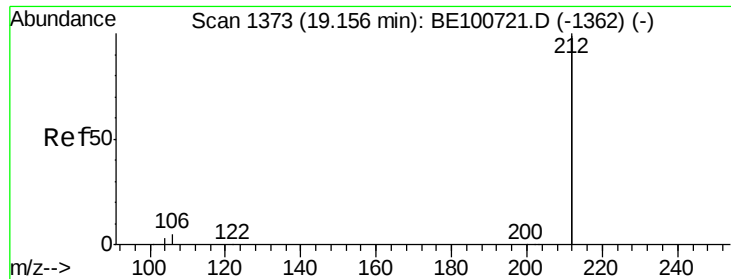
Acq: 15 Nov 2019 15:02

Tgt Ion:	178	Resp:	1283
Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	24.9	12.6	18.8#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

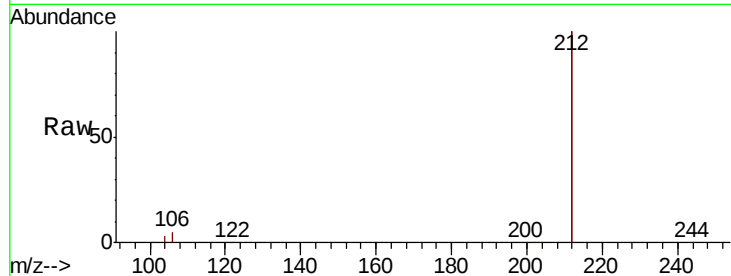
ClientSampleId :

PST-024-SW129-110619-1

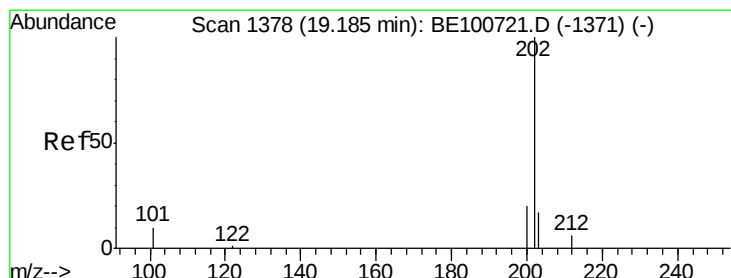
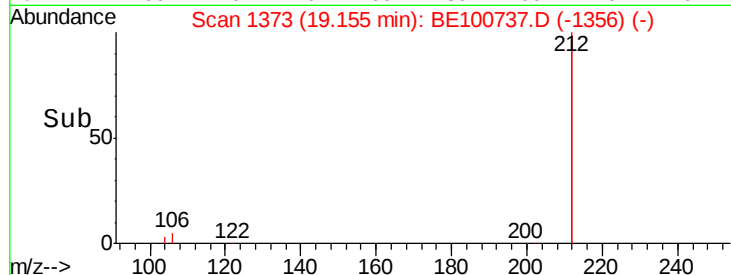
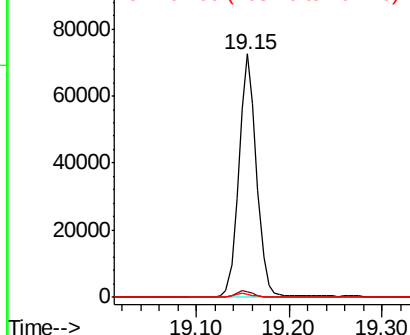
Tot Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.2	3.4
104	1.4	1.2	1.8

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.553 ng

RT: 19.18 min Scan# 1378

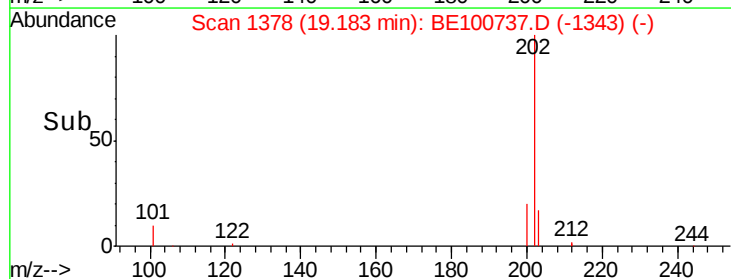
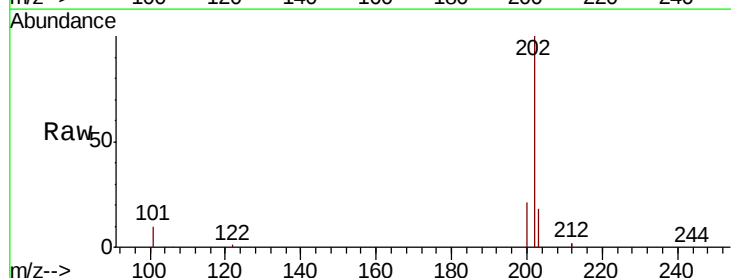
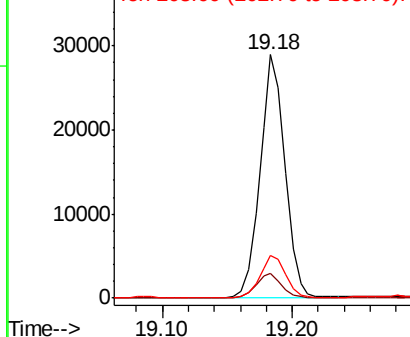
Delta R.T. -0.00 min

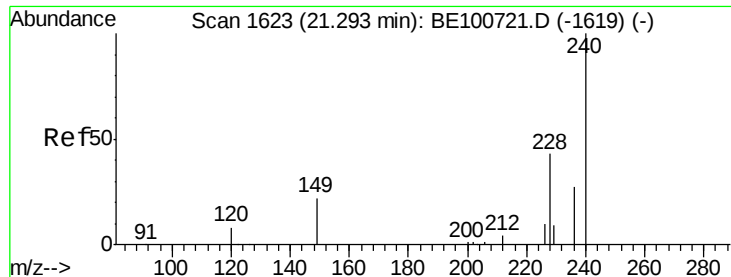
Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.6	12.8
203	17.5	13.6	20.4

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





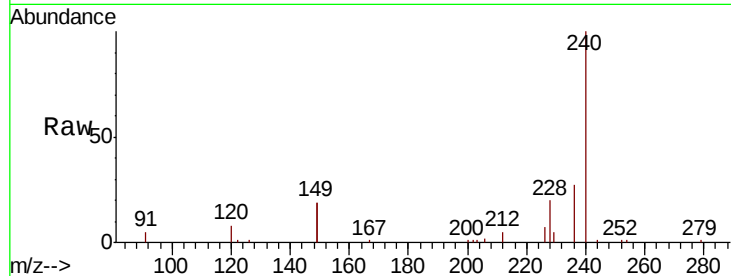
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.4	11.0
236	27.0	21.8	32.6

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM

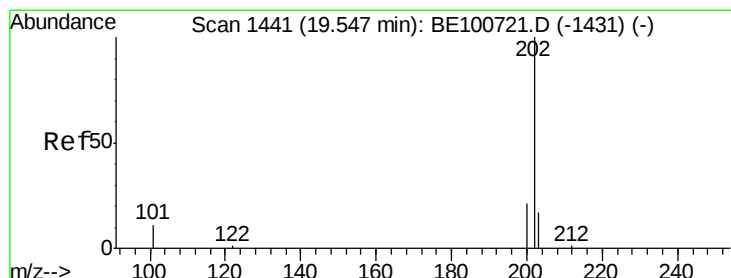
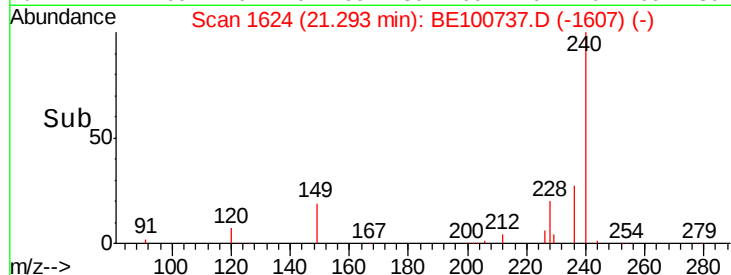
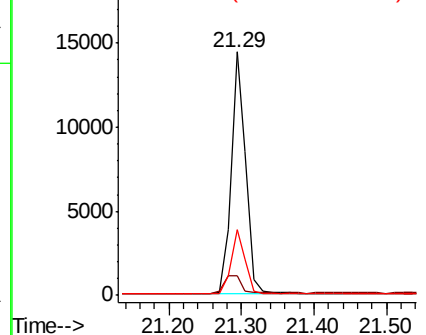


Abundance

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
Pyrene
Concen: 0.590 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

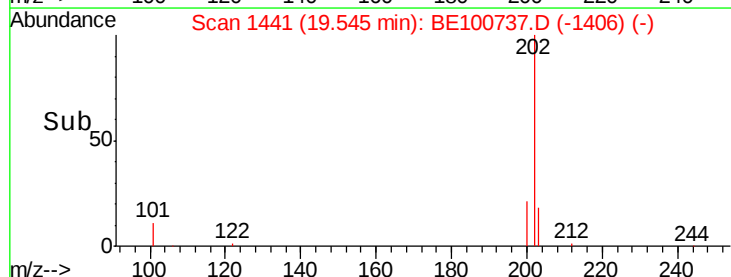
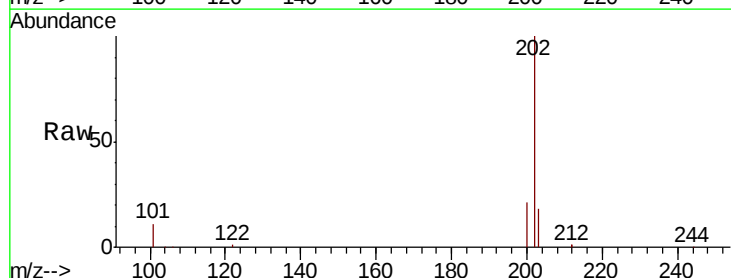
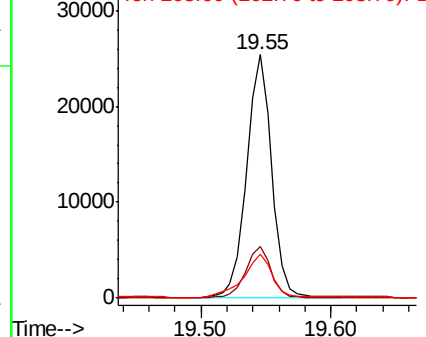
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	20.4	14.0	21.0

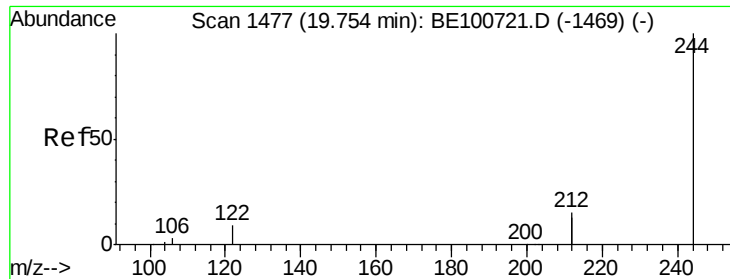
Abundance

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





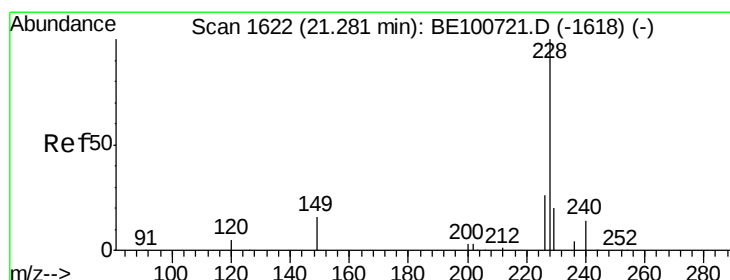
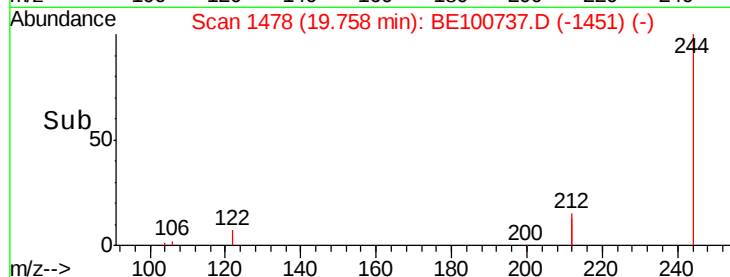
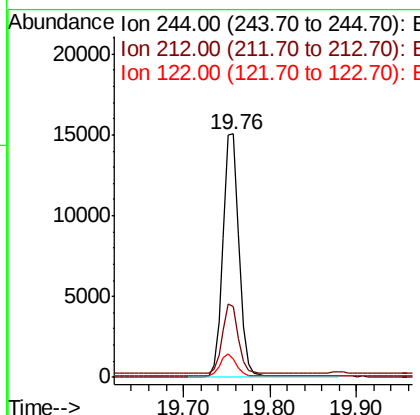
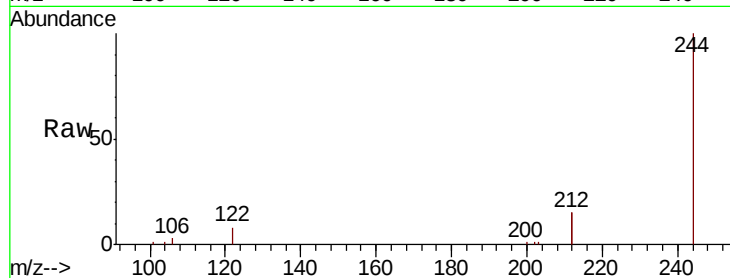
#29
 Terphenyl-d14
 Concen: 0.395 ng
 RT: 19.76 min Scan# 1478
 Delta R.T. 0.00 min
 Lab File: BE100737.D
 Acq: 15 Nov 2019 15:02

Instrument :
 BNA_E
 ClientSampleId :
 PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	29.1	24.3	36.5
122	7.6	7.6	11.4

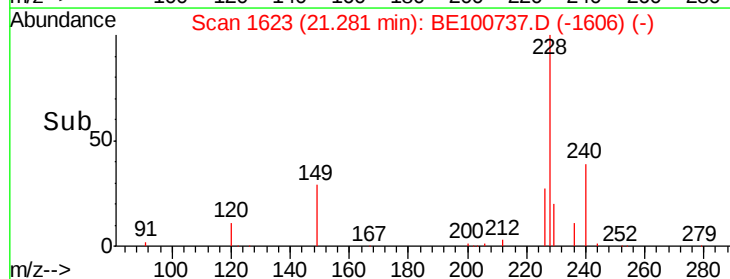
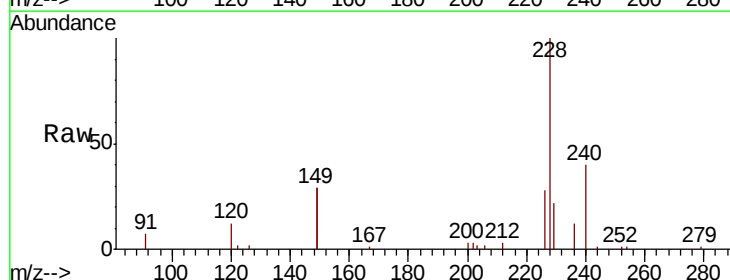
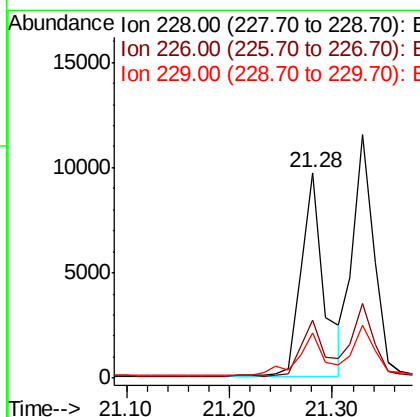
Manual Integrations
 APPROVED

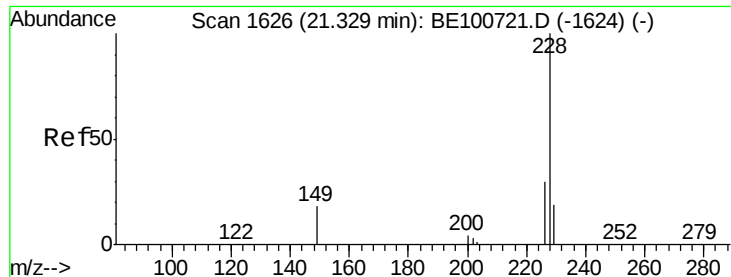
mohammad
 11/18/2019 3:05:20 PM



#30
 Benzo(a)anthracene
 Concen: 0.227 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE100737.D
 Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.1	31.7
229	21.8	15.9	23.9





#31

Chrysene

Concen: 0.241 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

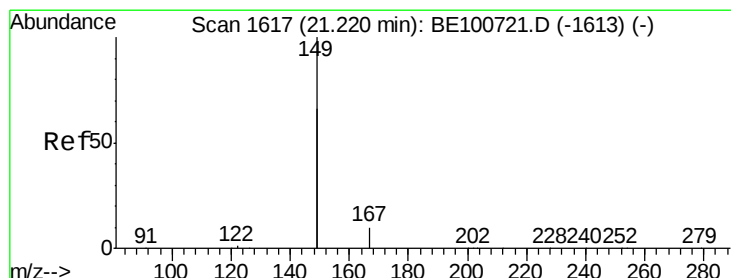
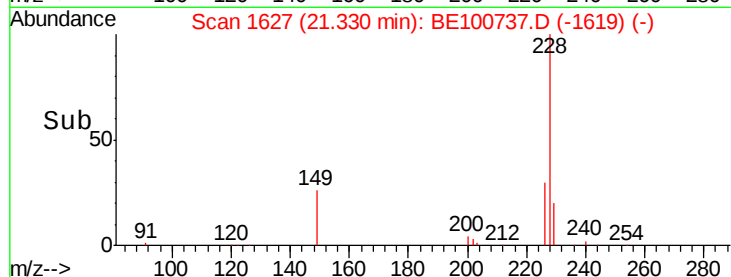
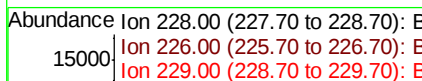
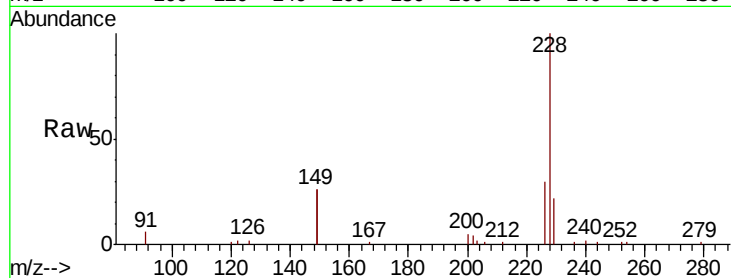
ClientSampleId :

PST-024-SW129-110619-1

Tot Ion:	228	Resp:	16098
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.5	36.7
229	21.8	15.5	23.3

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.161 ng

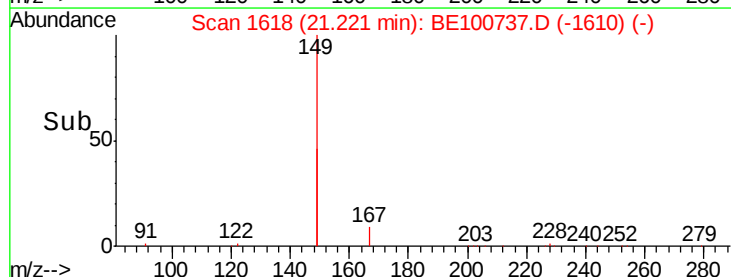
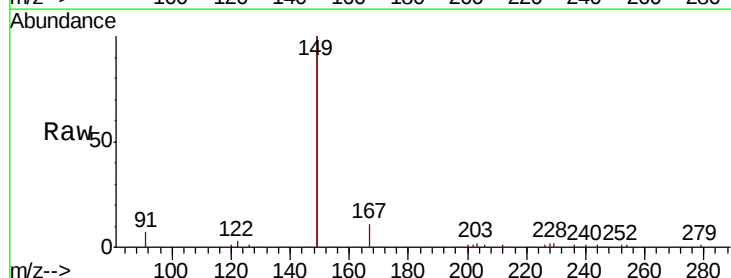
RT: 21.22 min Scan# 1618

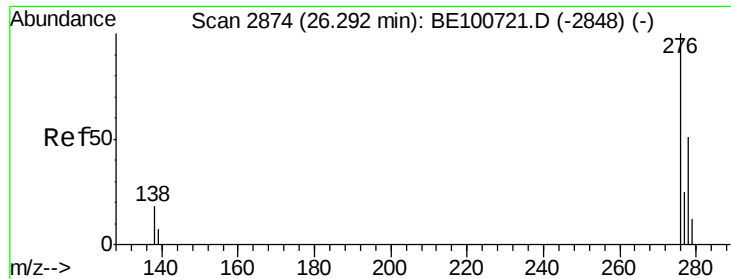
Delta R.T. 0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt Ion:	149	Resp:	18815
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.2	7.8
279	1.1	0.9	1.3





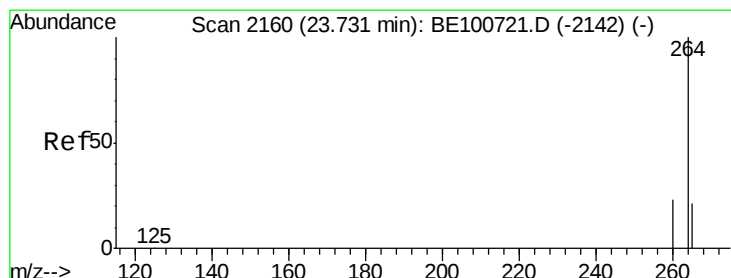
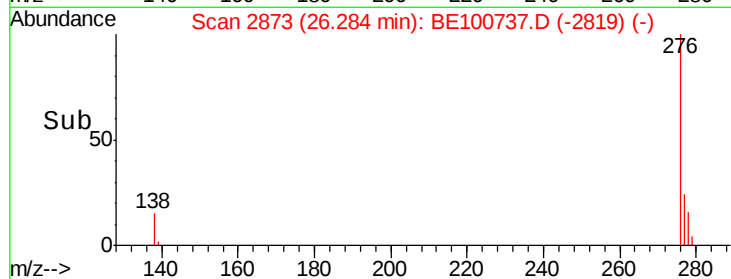
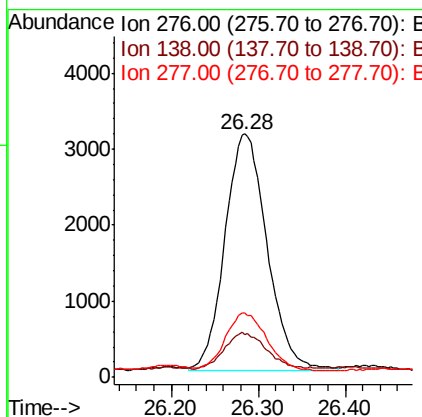
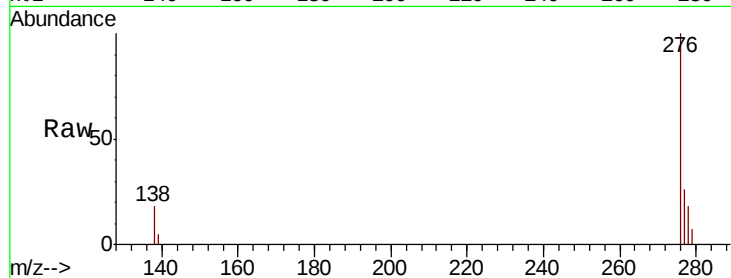
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.133 ng
RT: 26.28 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	14.8	22.2
277	23.7	19.6	29.4

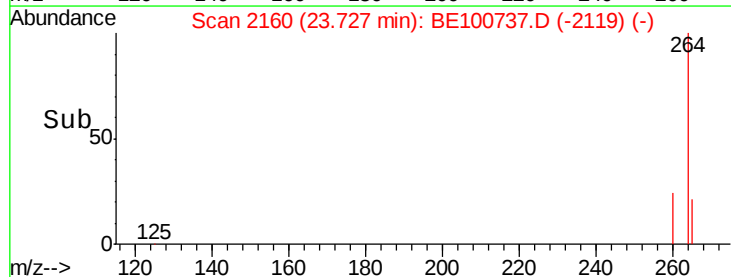
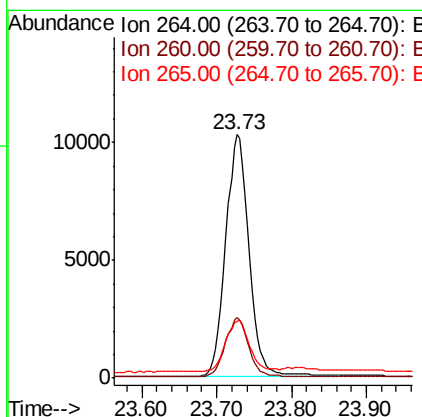
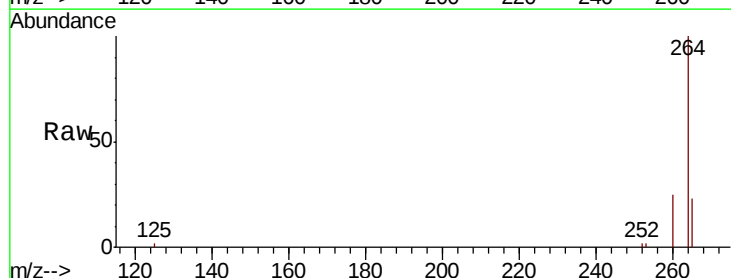
Manual Integrations
APPROVED

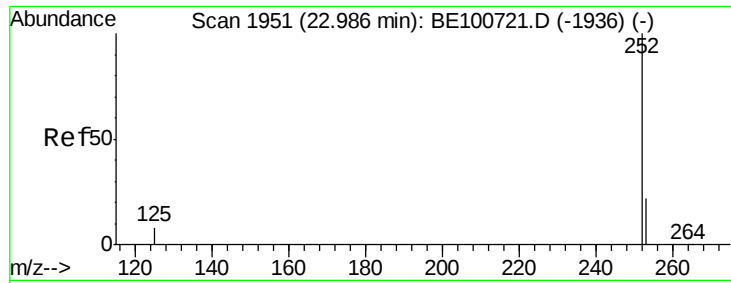
mohammad
11/18/2019 3:05:20 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.1	28.7
265	23.5	19.7	29.5





#35

Benzo(b)fluoranthene

Concen: 0.316 ng

RT: 22.99 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

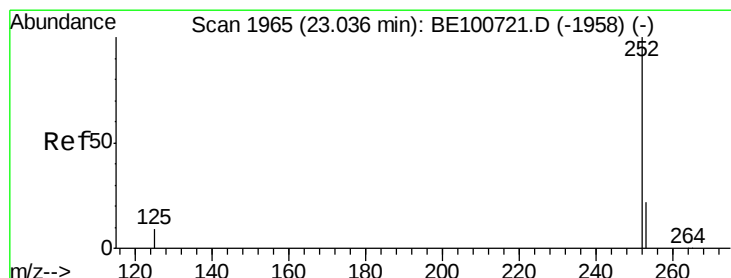
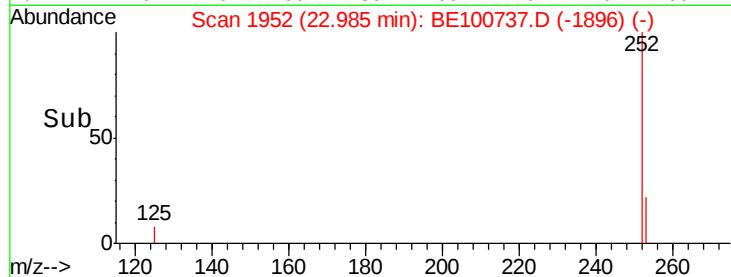
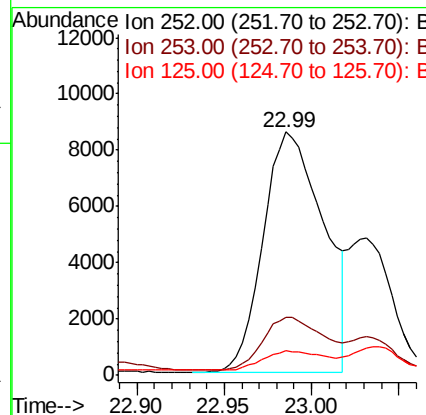
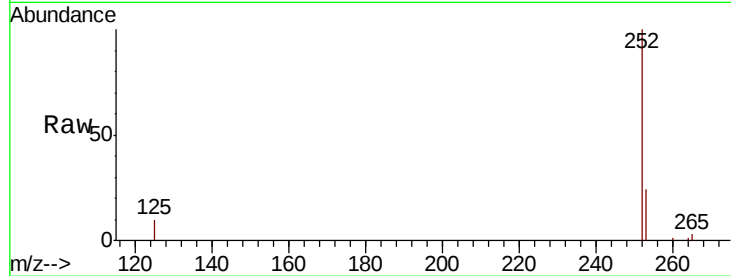
ClientSampleId :

PST-024-SW129-110619-1

Tot Ion:	252	Resp:	20497
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.7	28.1
125	10.2	7.0	10.4

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



#36

Benzo(k)fluoranthene

Concen: 0.122 ng m

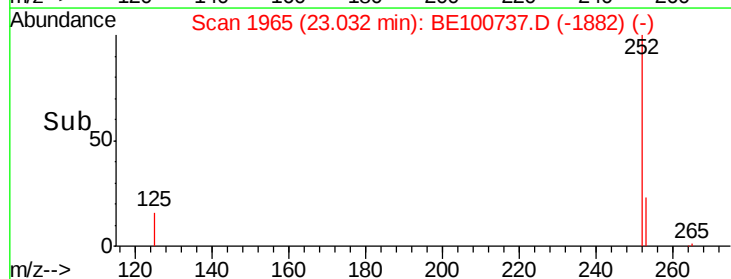
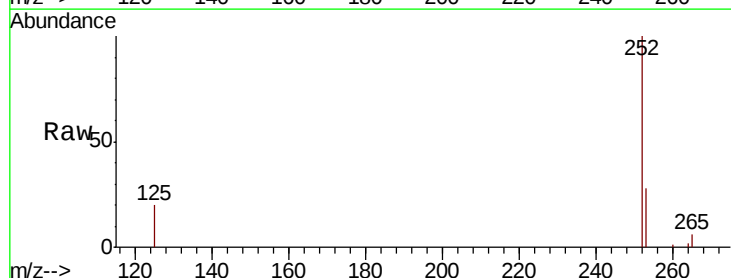
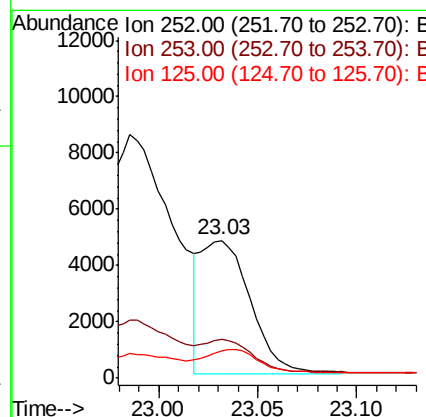
RT: 23.03 min Scan# 1965

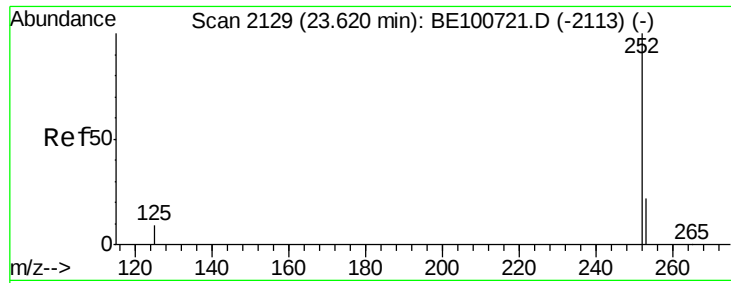
Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Tgt Ion:	252	Resp:	8261
Ion Ratio	Lower	Upper	
252	100		
253	27.9	18.6	27.8#
125	19.8	7.6	11.4#





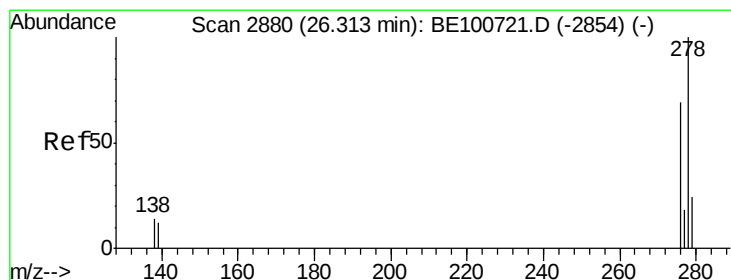
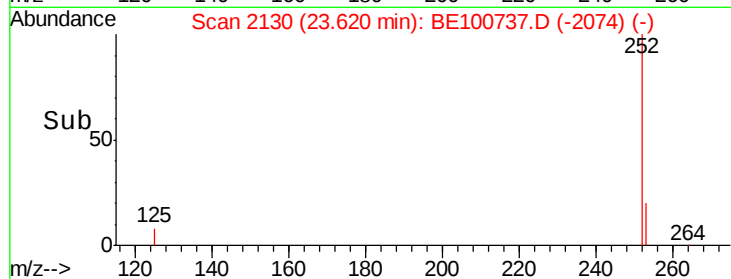
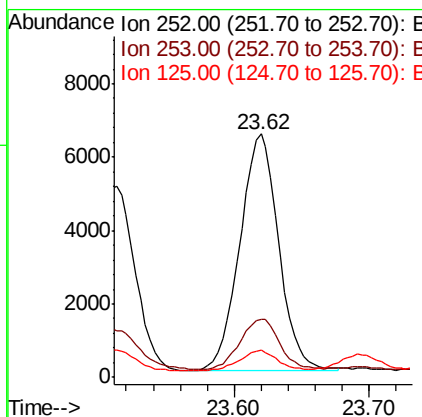
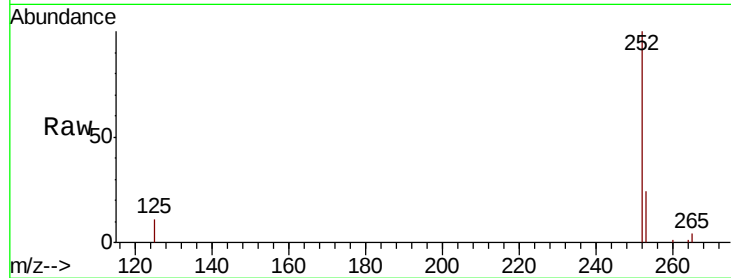
#37
Benzo(a)pyrene
Concen: 0.213 ng
RT: 23.62 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Instrument :
BNA_E
ClientSampleId :
PST-024-SW129-110619-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	28.0
125	11.3	7.9	11.9

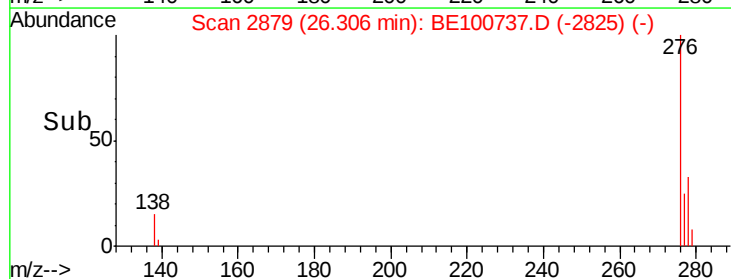
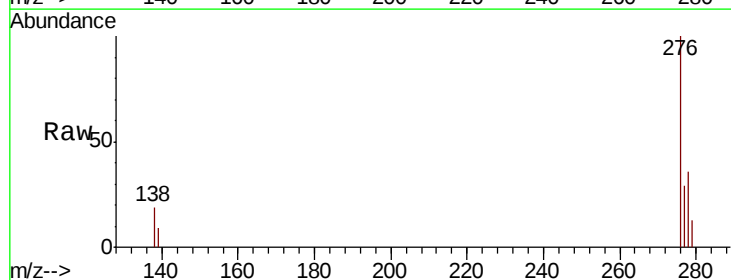
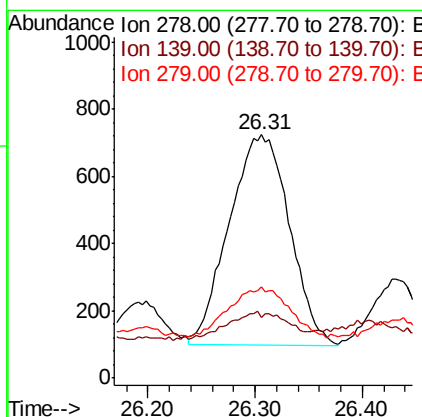
Manual Integrations
APPROVED

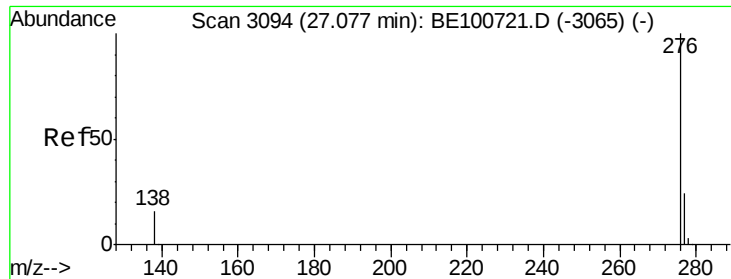
mohammad
11/18/2019 3:05:20 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 26.31 min Scan# 2879
Delta R.T. -0.01 min
Lab File: BE100737.D
Acq: 15 Nov 2019 15:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	10.3	15.5#
279	37.4	20.6	31.0#





#39

Benzo(a,h,i)perylene

Concen: 0.173 ng

RT: 27.07 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BE100737.D

Acq: 15 Nov 2019 15:02

Instrument :

BNA_E

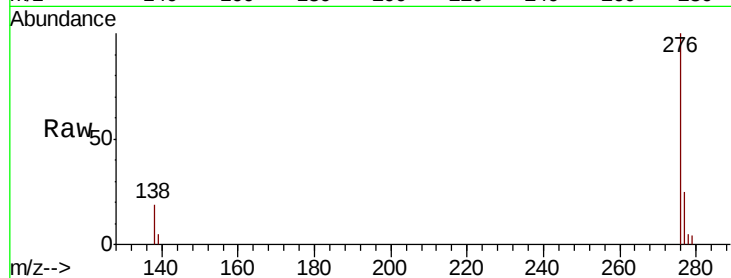
ClientSampleId :

PST-024-SW129-110619-1

Tot Ion:	276	Resp:	10691
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.8	29.6
138	18.5	13.6	20.4

Manual Integrations
APPROVED

mohammad
11/18/2019 3:05:20 PM



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

