

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072319\
 Data File : BE100495.D
 Acq On : 23 Jul 2019 11:12
 Operator : HP/JU
 Sample : PB121443BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB121443BS

Manual Integrations
 APPROVED

mohammad
 7/24/2019 5:28:36 PM

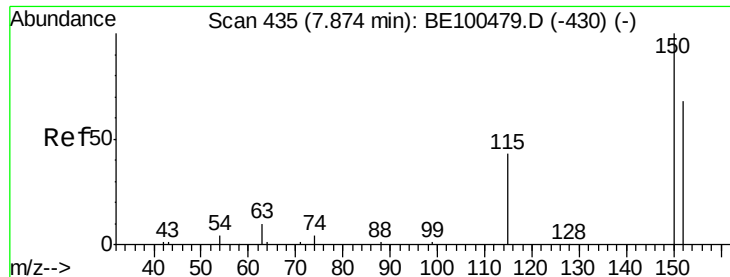
Quant Time: Jul 24 02:30:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 23 08:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	2876	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	11222	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	5918	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	13366	0.40	ng	0.00
27) Chrysene-d12	21.38	240	17444	0.40	ng	0.00
34) Perylene-d12	23.85	264	22161	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	2819	0.40	ng	0.00
5) Phenol-d6	7.03	99	3750	0.37	ng	0.00
8) Nitrobenzene-d5	9.02	82	2959	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	5117m	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	816	0.32	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	7424	0.31	ng	0.00
25) Fluoranthene-d10	19.24	212	50608	0.28	ng	0.00
29) Terphenyl-d14	19.83	244	9253	0.21	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	1527	0.305	ng	# 55
3) n-Nitrosodimethylamine	3.67	42	1021	0.388	ng	# 86
6) bis(2-Chloroethyl)ether	7.29	93	2964	0.345	ng	94
9) Naphthalene	10.70	128	35590	0.330	ng	100
10) Hexachlorobutadiene	11.00	225	1622	0.315	ng	98
12) 2-Methylnaphthalene	12.33	142	5925	0.306	ng	99
16) Acenaphthylene	14.21	152	8593	0.314	ng	100
17) Acenaphthene	14.56	154	5197	0.315	ng	100
18) Fluorene	15.53	166	6720	0.306	ng	99
20) 4-Bromophenyl-phenylether	16.41	248	2093	0.329	ng	# 71
21) Hexachlorobenzene	16.53	284	2204	0.337	ng	98
22) Pentachlorophenol	16.88	266	1041	0.452	ng	97
23) Phenanthrene	17.25	178	11104	0.339	ng	99
24) Anthracene	17.35	178	10039	0.322	ng	98
26) Fluoranthene	19.26	202	14301	0.303	ng	99
28) Pyrene	19.63	202	15237	0.280	ng	99
30) Benzo(a)anthracene	21.35	228	17445	0.328	ng	97
31) Chrysene	21.42	228	15874	0.302	ng	98
32) Bis(2-ethylhexyl)phthalate	21.29	149	45898	0.375	ng	100
33) Indeno(1,2,3-cd)pyrene	26.47	276	22609	0.394	ng	98
35) Benzo(b)fluoranthene	23.09	252	19235	0.317	ng	97
36) Benzo(k)fluoranthene	23.14	252	21809	0.343	ng	96
37) Benzo(a)pyrene	23.74	252	20339	0.345	ng	# 94
38) Dibenzo(a,h)anthracene	26.50	278	18891	0.339	ng	95
39) Benzo(g,h,i)perylene	27.28	276	19934	0.350	ng	97

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.87 min Scan# 435

Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

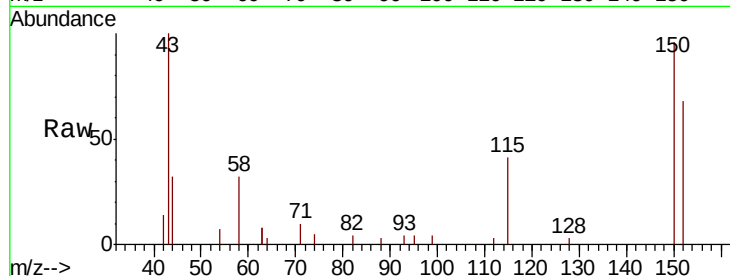
ClientSampleId :

PB121443BS

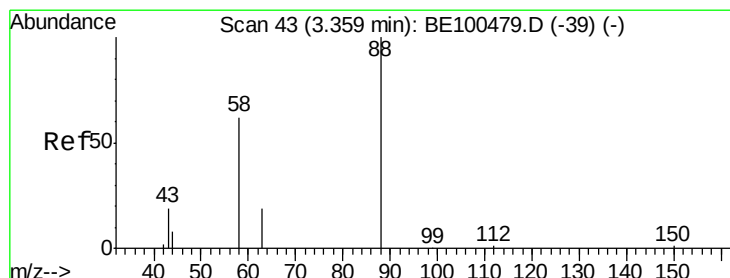
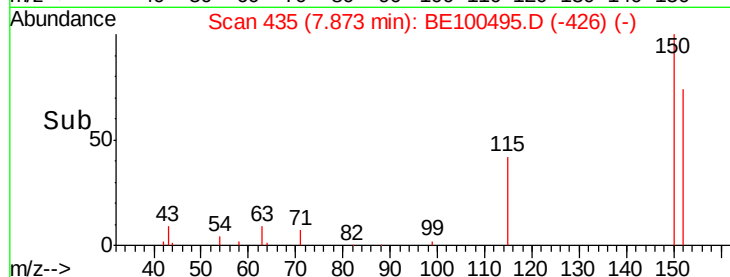
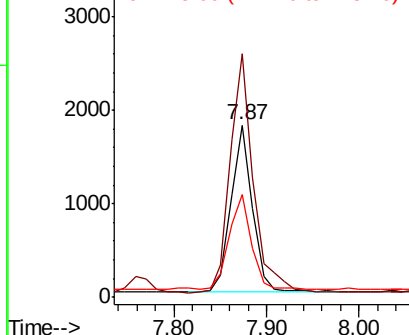
Tot Ion:	152	Resp:	2876
Ion	Ratio	Lower	Upper
152	100		
150	141.3	115.0	172.6
115	59.6	52.9	79.3

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 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



#2

1,4-Dioxane

Concen: 0.305 ng

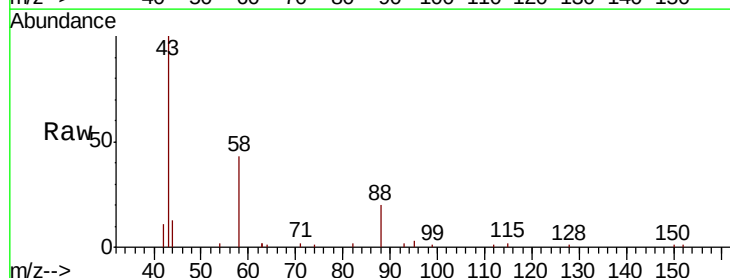
RT: 3.36 min Scan# 43

Delta R.T. -0.00 min

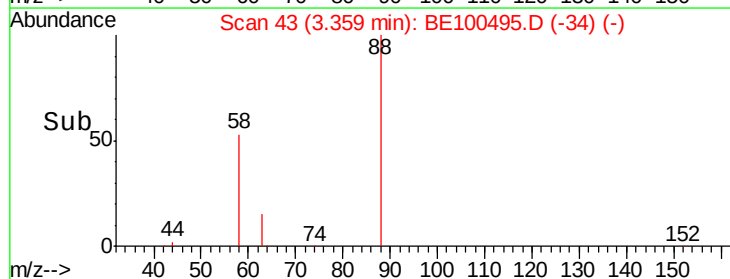
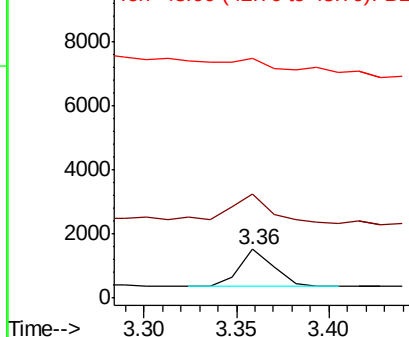
Lab File: BE100495.D

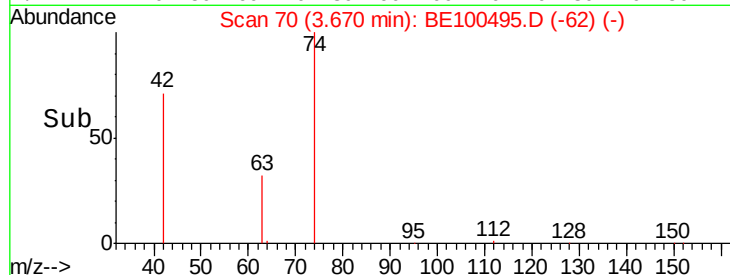
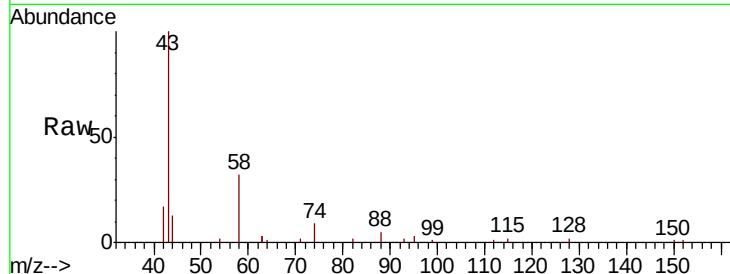
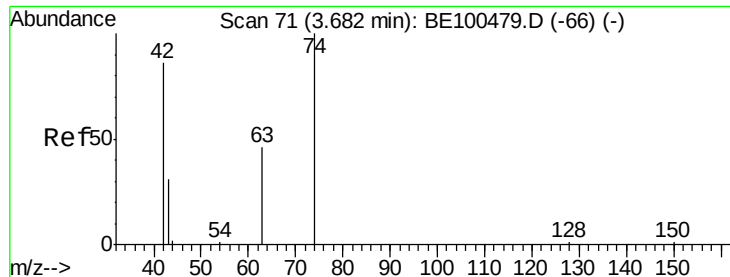
Acq: 23 Jul 2019 11:12

Tgt Ion:	88	Resp:	1527
Ion	Ratio	Lower	Upper
88	100		
58	100.7	53.2	79.8#
43	0.0	20.8	31.2#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





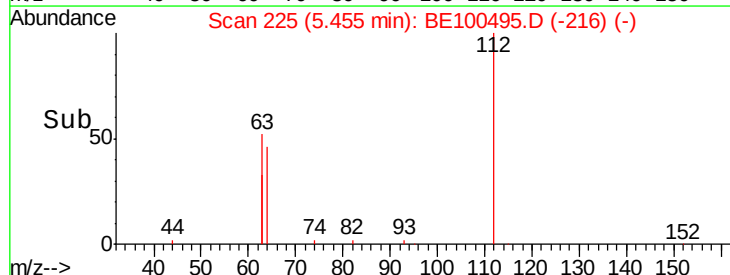
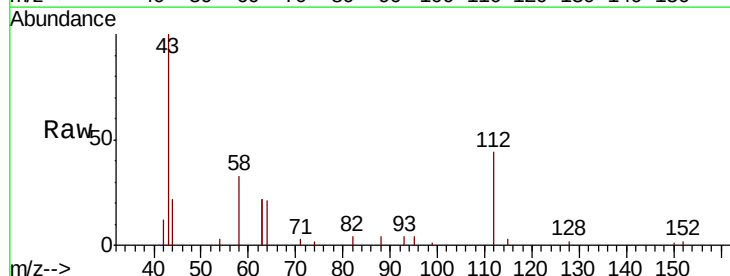
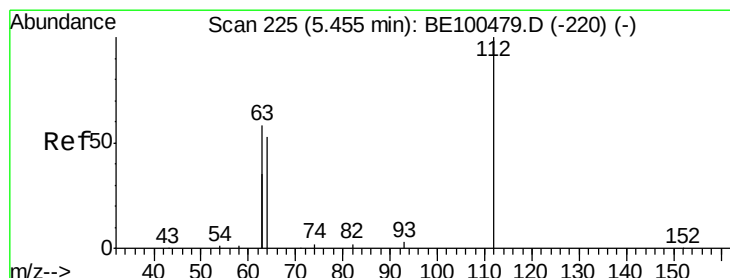
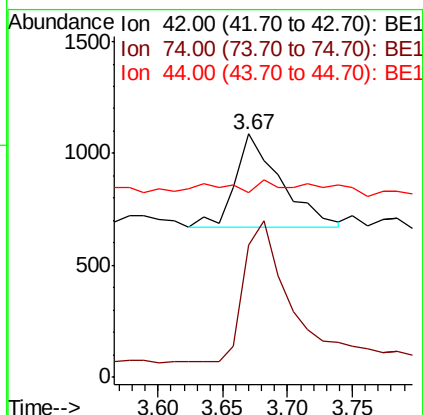
#3
n-Nitrosodimethylamine
Concen: 0.388 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tot Ion	Ratio	Lower	Upper
42	100		
74	146.4	0.0	0.0#
44	6.7	9.6	14.4#

Instrument :
BNA_E
ClientSampleId :
PB121443BS

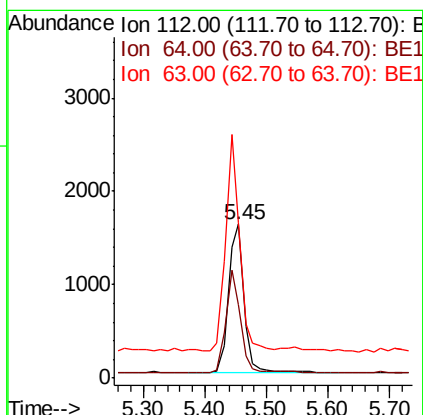
Manual Integrations
APPROVED

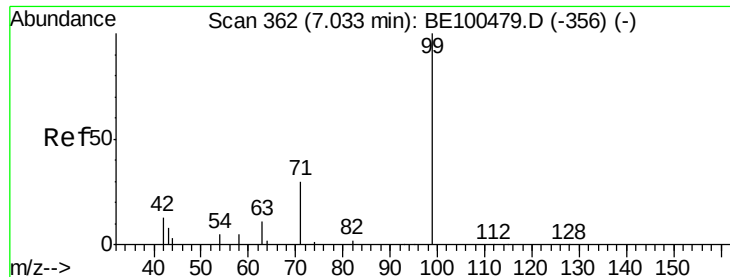
mohammad
7/24/2019 5:28:36 PM



#4
2-Fluorophenol
Concen: 0.402 ng
RT: 5.45 min Scan# 225
Delta R.T. -0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	54.1	81.1
63	125.6	104.6	157.0





#5

Phenol-d6

Concen: 0.374 ng

RT: 7.03 min Scan# 362

Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

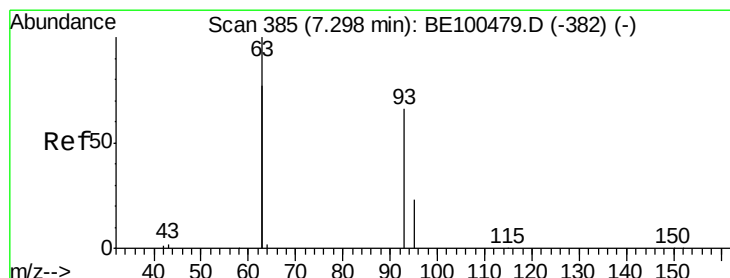
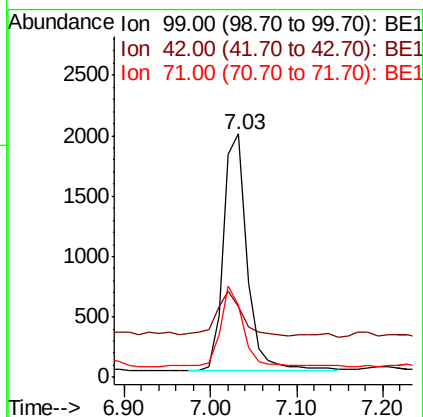
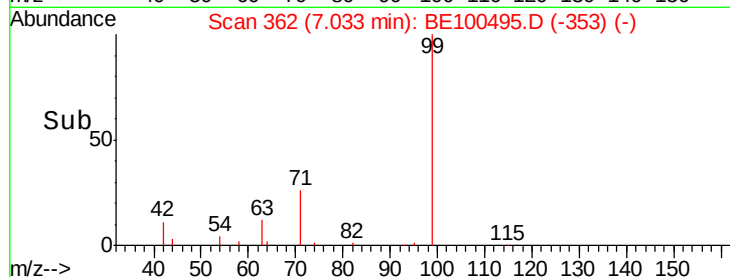
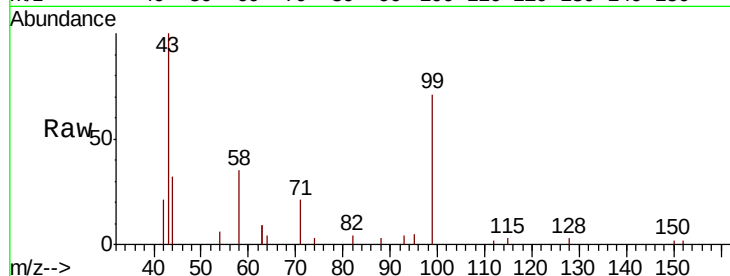
ClientSampled :

PB121443BS

Tot Ion:	99	Resp:	3750
Ion	Ratio	Lower	Upper
99	100		
42	19.5	14.5	21.7
71	30.5	26.4	39.6

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.345 ng

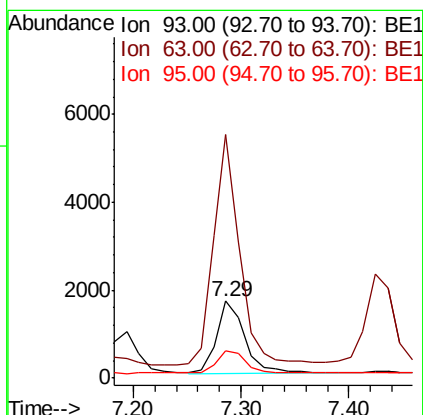
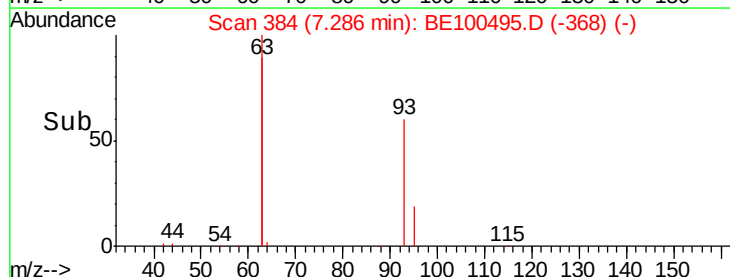
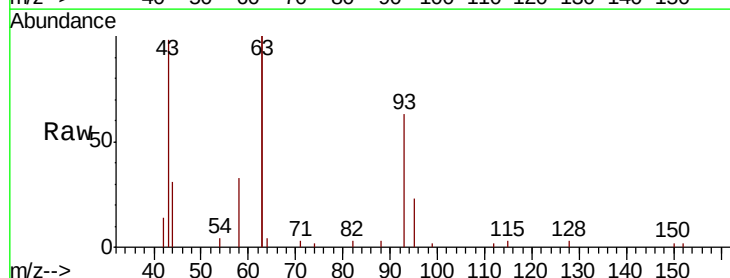
RT: 7.29 min Scan# 384

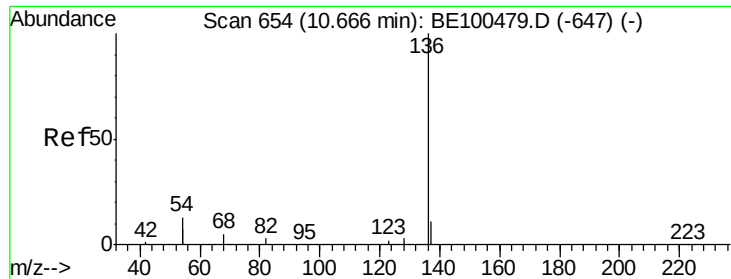
Delta R.T. -0.01 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Tgt Ion:	93	Resp:	2964
Ion	Ratio	Lower	Upper
93	100		
63	298.9	248.3	372.5
95	33.5	25.4	38.0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

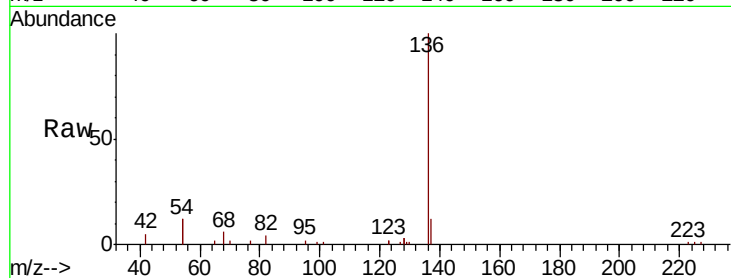
ClientSampleId :

PB121443BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.6
54	24.1	20.6	31.0
68	6.2	5.3	7.9

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM



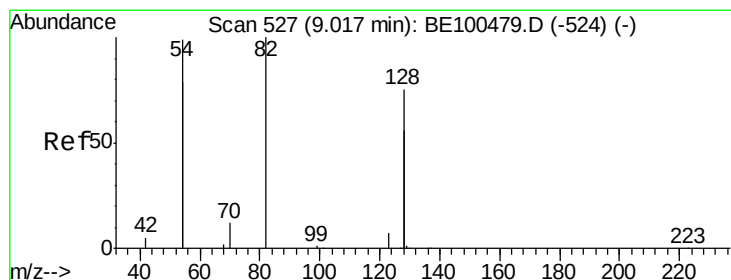
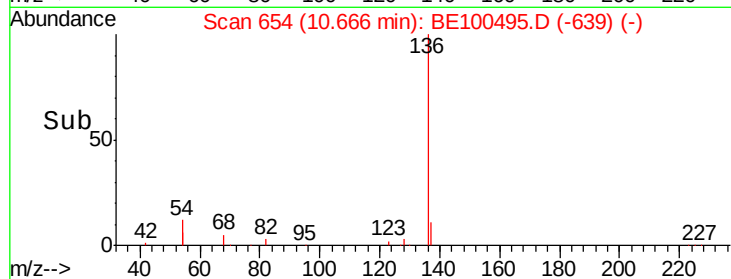
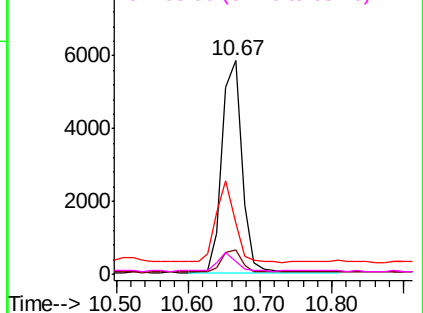
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.317 ng

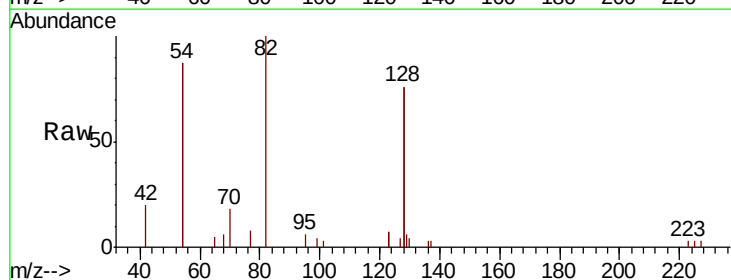
RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
82	100		
128	152.6	113.6	170.4
54	174.1	150.6	226.0

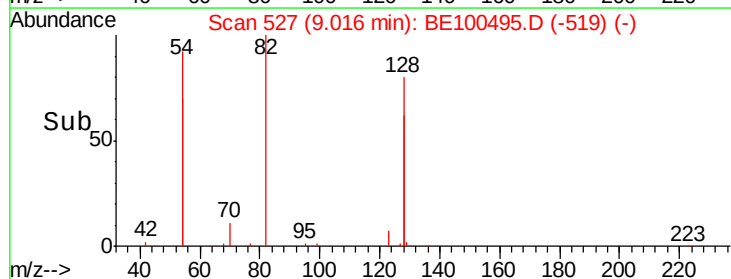
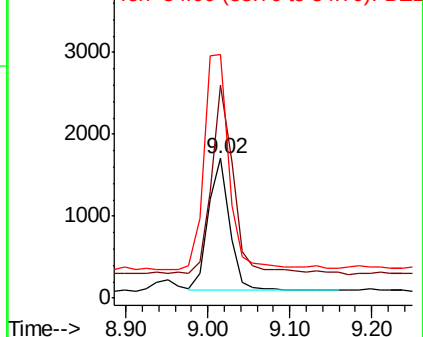


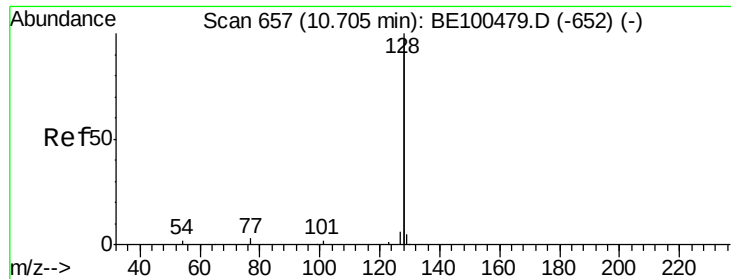
Abundance

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: 0.330 ng

RT: 10.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

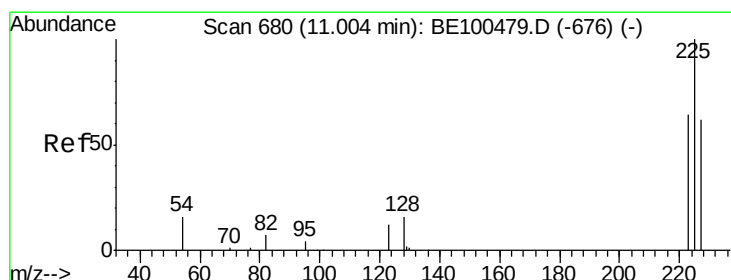
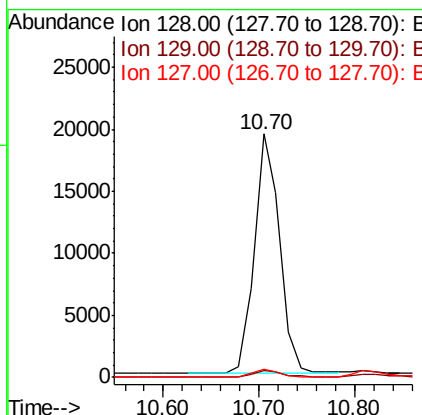
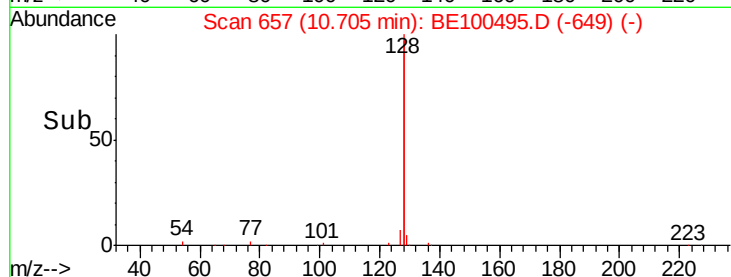
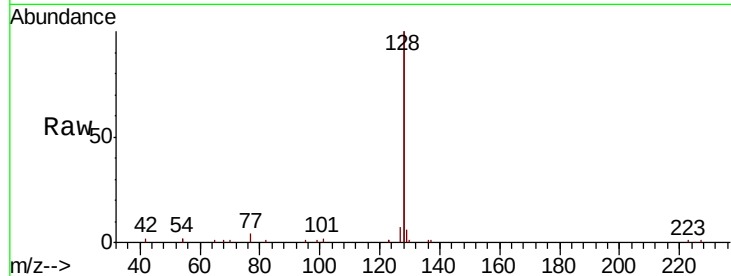
ClientSampleId :

PB121443BS

Tot Ion:	128	Resp:	35590
Ion Ratio	Lower	Upper	
128	100		
129	3.0	2.3	3.5
127	3.6	2.7	4.1

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM



#10

Hexachlorobutadiene

Concen: 0.315 ng

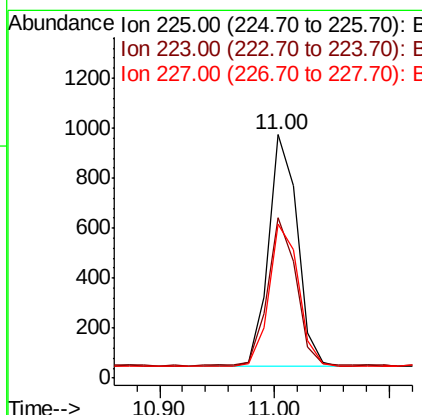
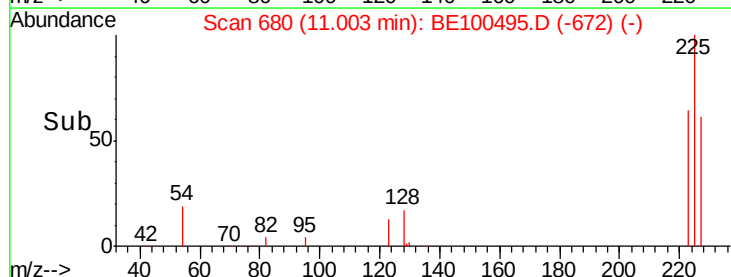
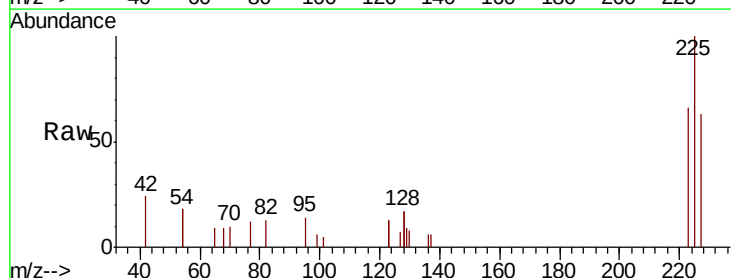
RT: 11.00 min Scan# 680

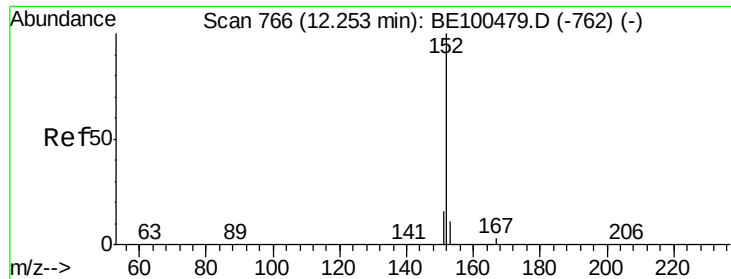
Delta R.T. -0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Tgt Ion:	225	Resp:	1622
Ion Ratio	Lower	Upper	
225	100		
223	64.4	49.4	74.0
227	63.5	51.4	77.2





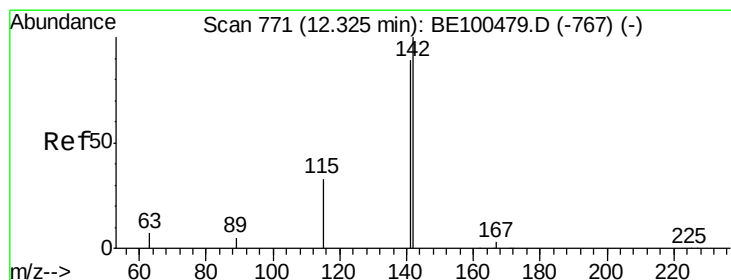
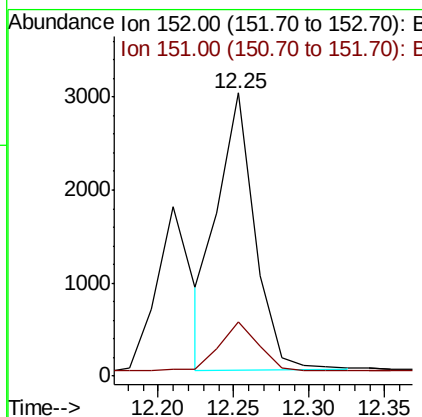
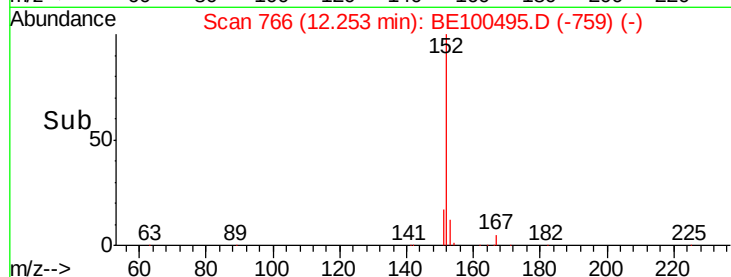
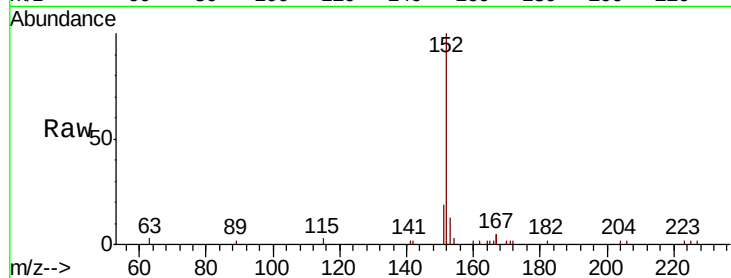
#11
 2-Methylnaphthalene-d10
 Concen: 0.275 ng m
 RT: 12.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

Instrument :
 BNA_E
 ClientSampleId :
 PB121443BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.1	22.7

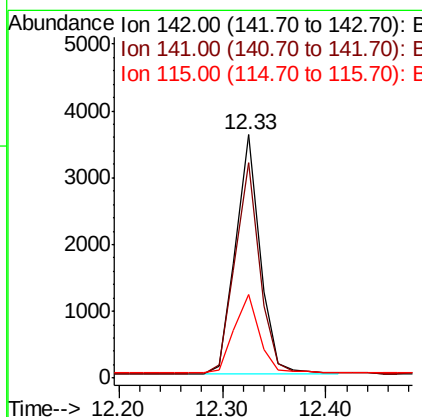
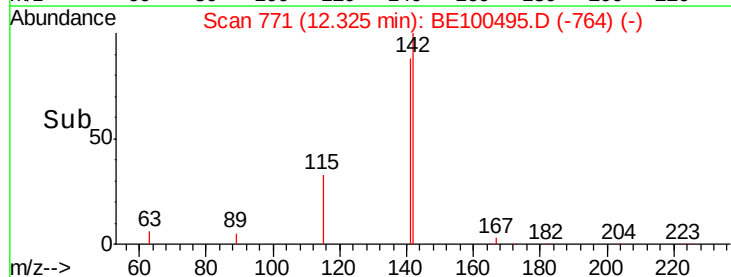
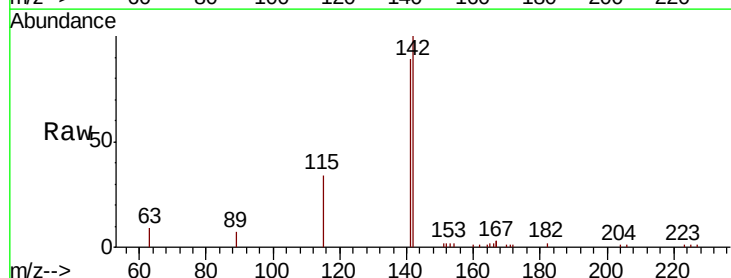
Manual Integrations
 APPROVED

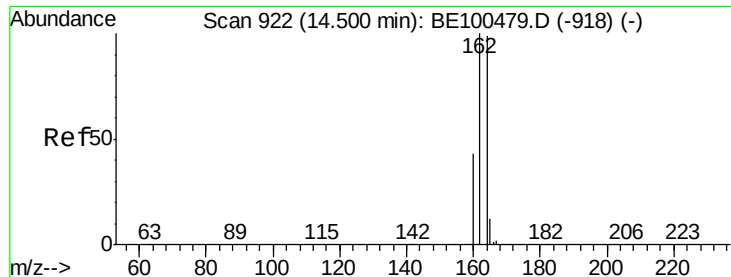
mohammad
 7/24/2019 5:28:36 PM



#12
 2-Methylnaphthalene
 Concen: 0.306 ng
 RT: 12.33 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.7	107.5
115	34.4	27.8	41.6





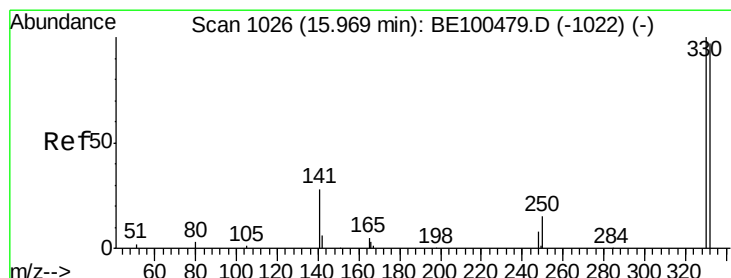
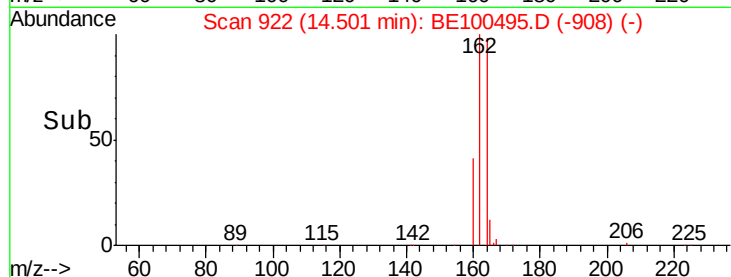
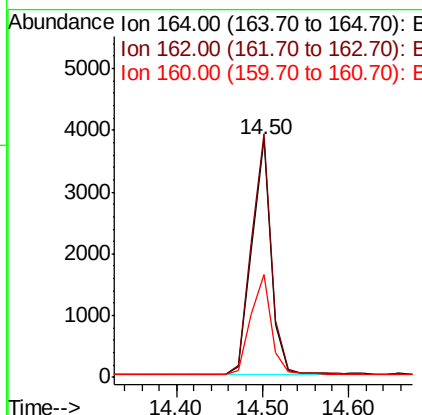
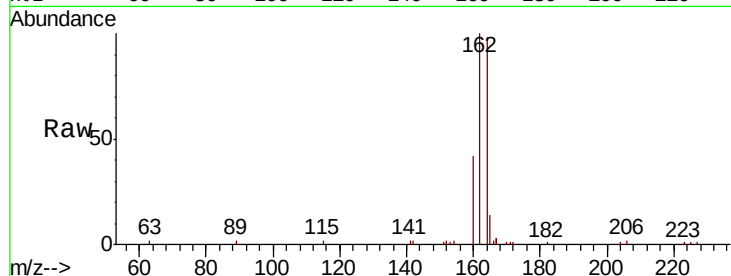
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.8	121.2
160	43.0	34.9	52.3

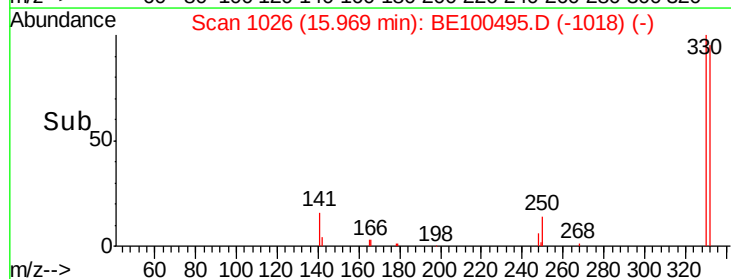
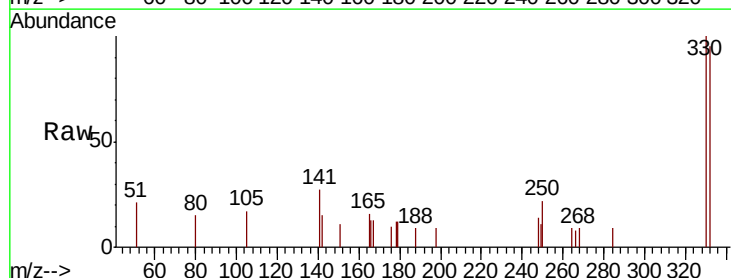
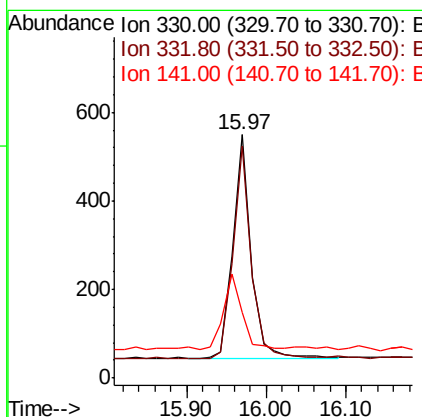
Manual Integrations
APPROVED

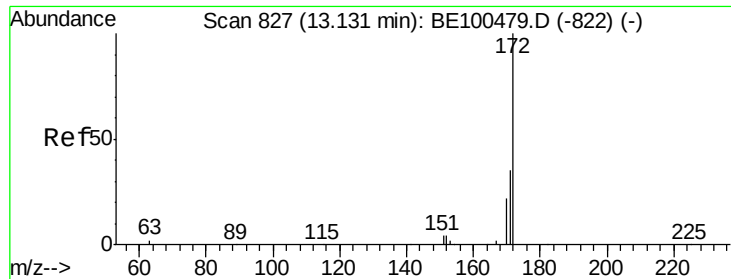
mohammad
7/24/2019 5:28:36 PM



#14
2,4,6-Tribromophenol
Concen: 0.318 ng
RT: 15.97 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	80.5	120.7
141	34.7	29.9	44.9





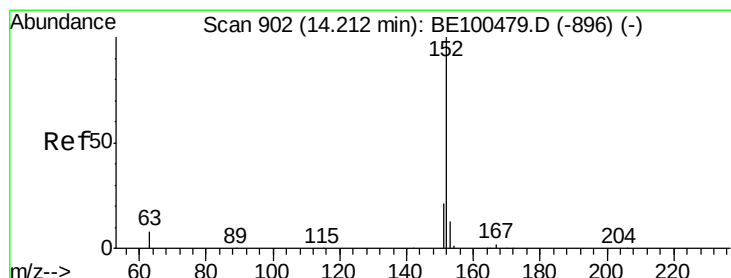
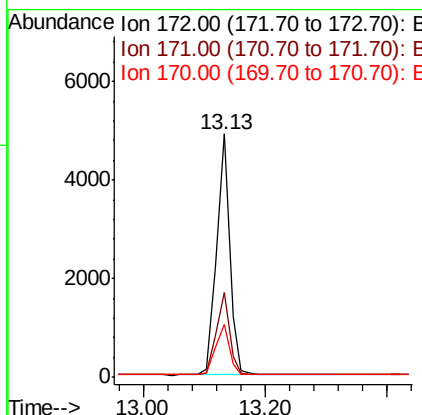
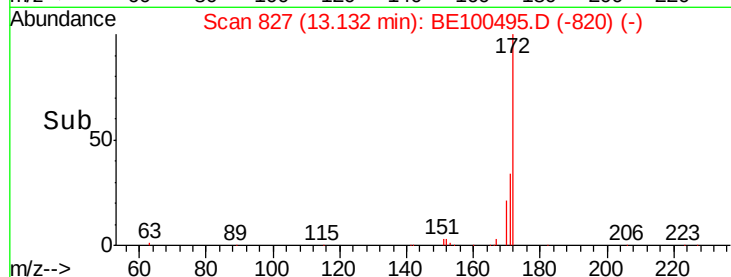
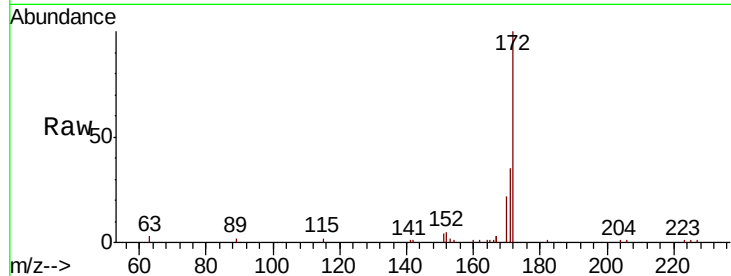
#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.2
170	21.8	17.8	26.8

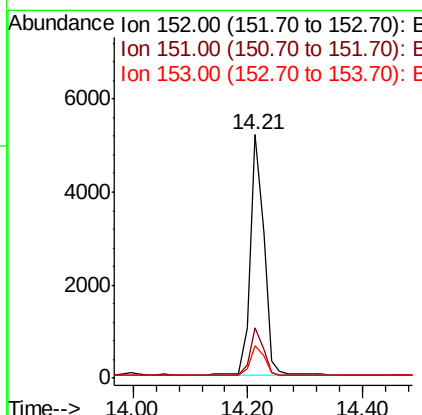
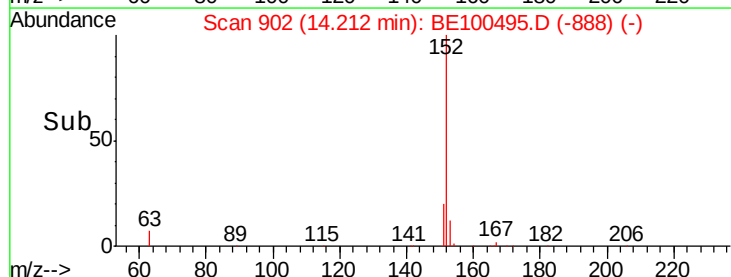
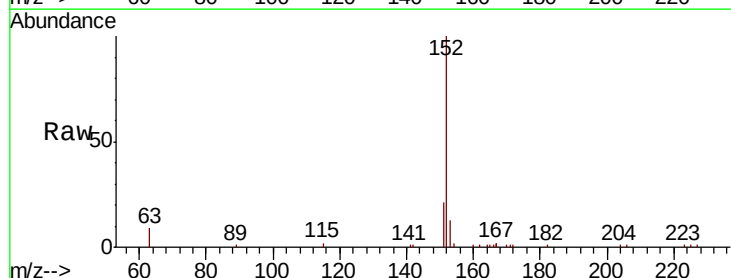
Manual Integrations
APPROVED

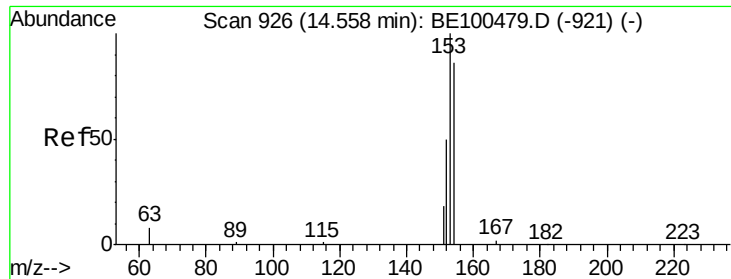
mohammad
7/24/2019 5:28:36 PM



#16
Acenaphthylene
Concen: 0.314 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.2	10.6	16.0





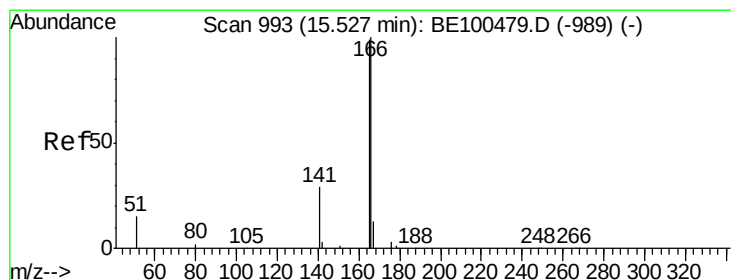
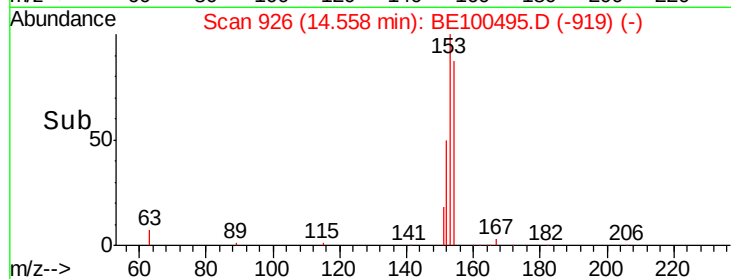
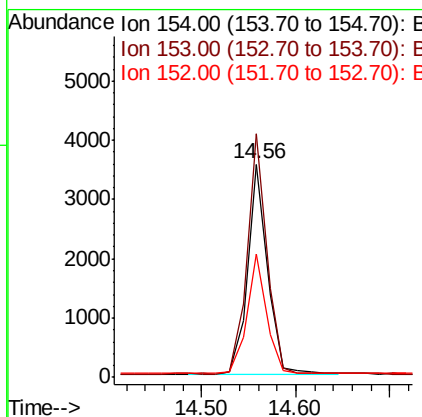
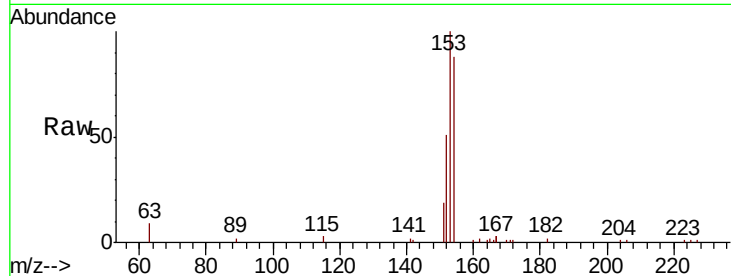
#17
Acenaphthene
Concen: 0.315 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampled :
PB121443BS

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.8	136.2
152	56.1	45.1	67.7

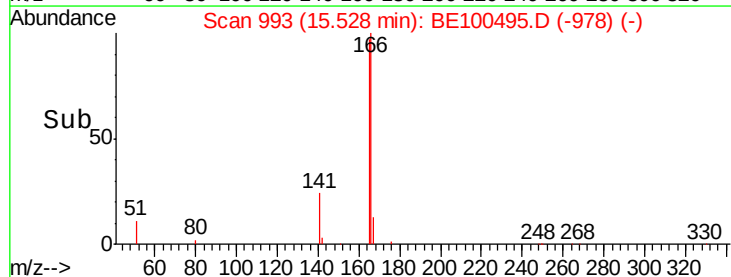
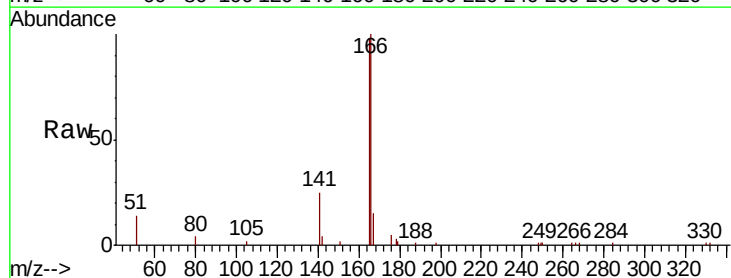
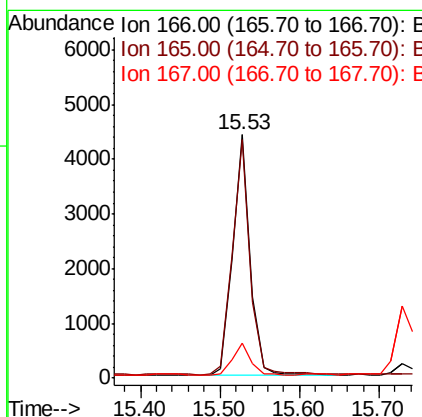
Manual Integrations
APPROVED

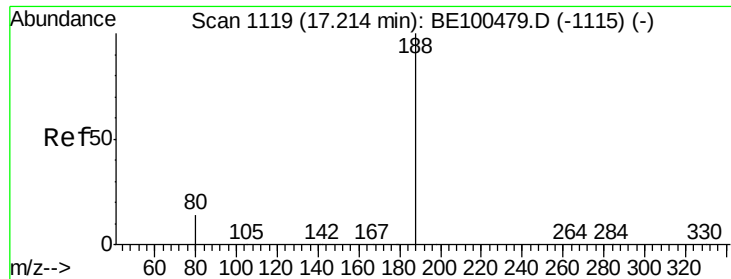
mohammad
7/24/2019 5:28:36 PM



#18
Fluorene
Concen: 0.306 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.3	117.5
167	13.3	10.9	16.3





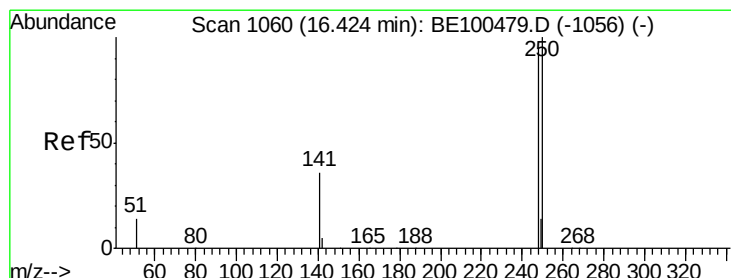
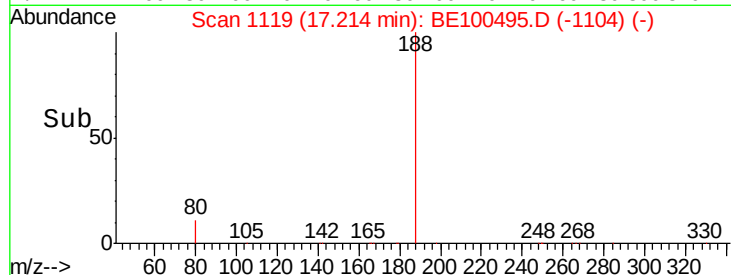
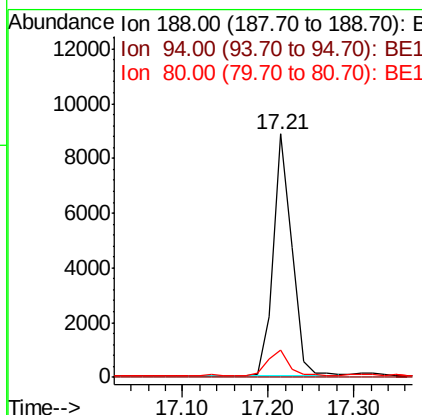
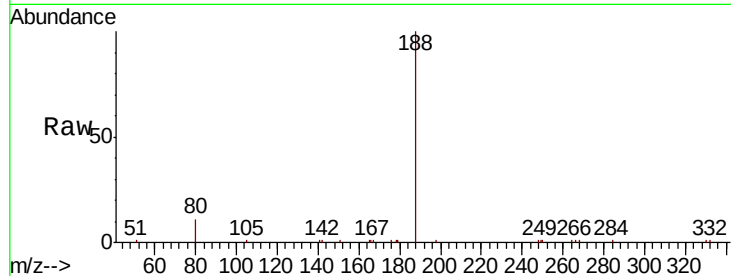
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	11.9	17.9#

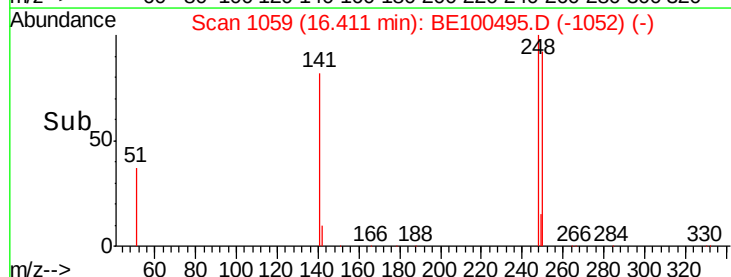
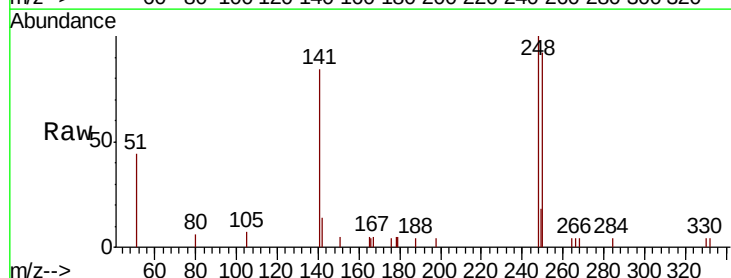
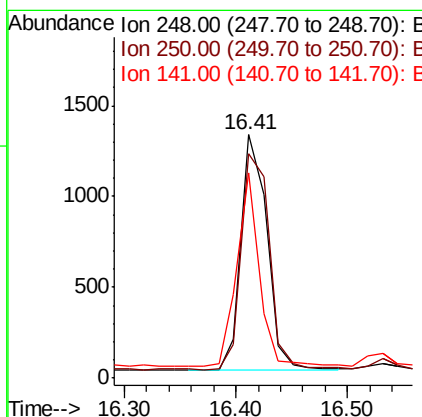
Manual Integrations
APPROVED

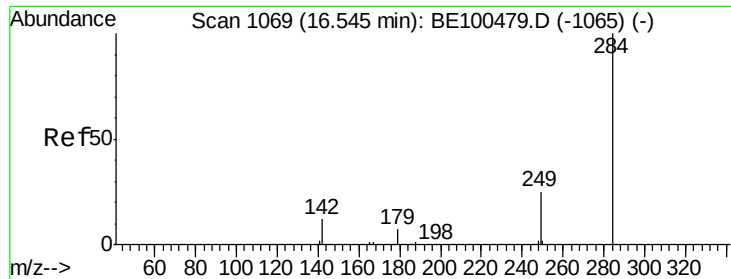
mohammad
7/24/2019 5:28:36 PM



#20
4-Bromophenyl-phenylether
Concen: 0.329 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Resp Lower	Upper
248	100		
250	91.9	84.4	126.6
141	84.2	32.2	48.2#





#21

Hexachlorobenzene

Concen: 0.337 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

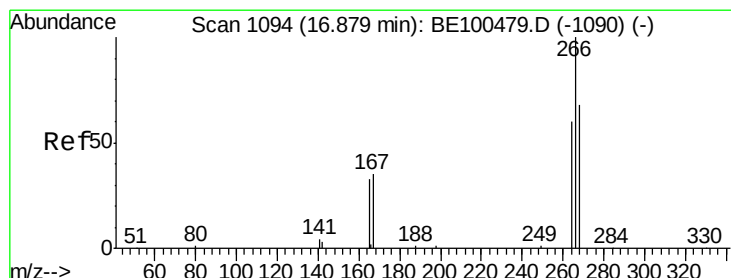
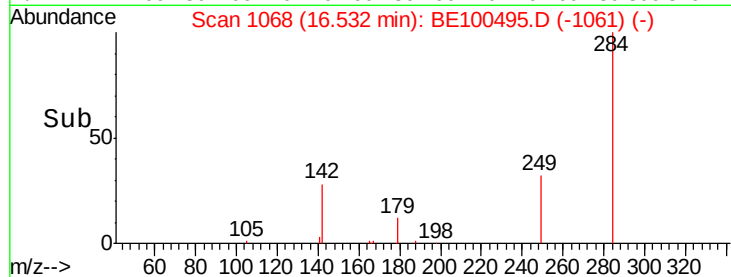
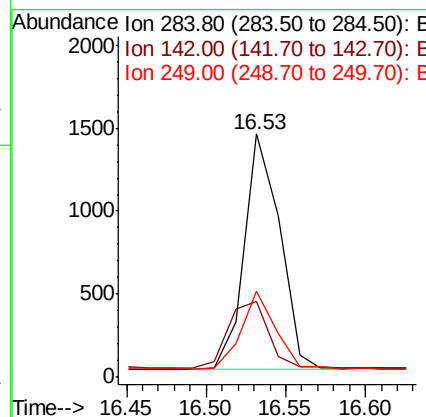
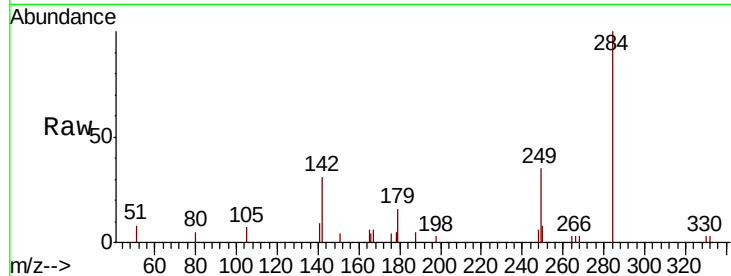
ClientSampleId :

PB121443BS

Tot Ion:	284	Resp:	2204
Ion Ratio	Lower	Upper	
284	100		
142	31.7	26.7	40.1
249	31.9	25.0	37.4

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM



#22

Pentachlorophenol

Concen: 0.452 ng

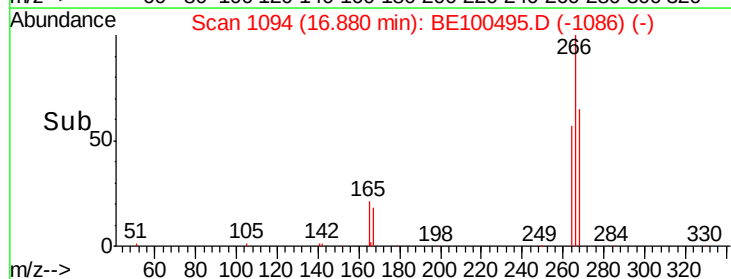
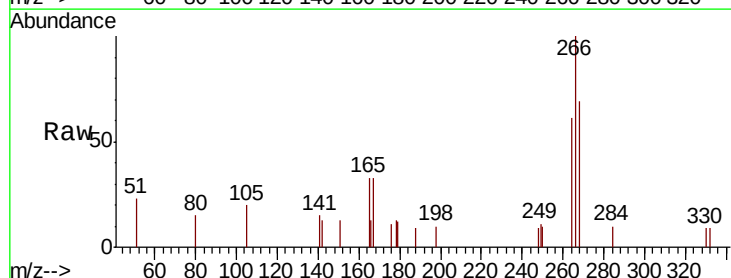
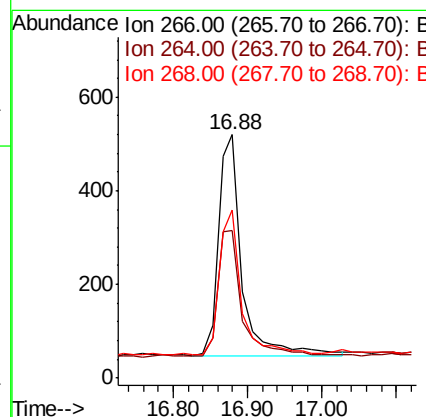
RT: 16.88 min Scan# 1094

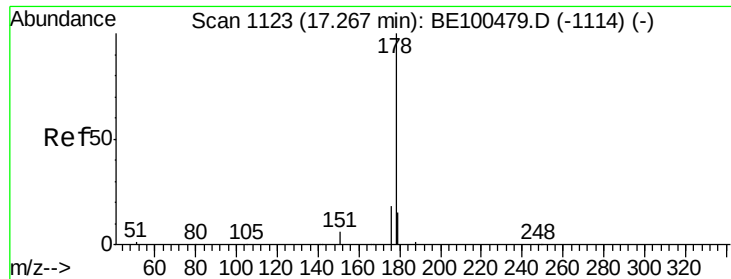
Delta R.T. 0.00 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Tgt Ion:	266	Resp:	1041
Ion Ratio	Lower	Upper	
266	100		
264	60.6	50.4	75.6
268	68.8	56.6	85.0





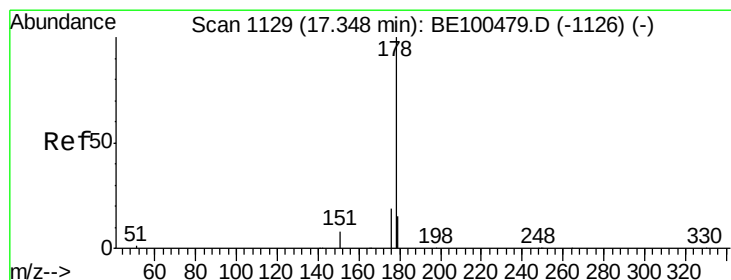
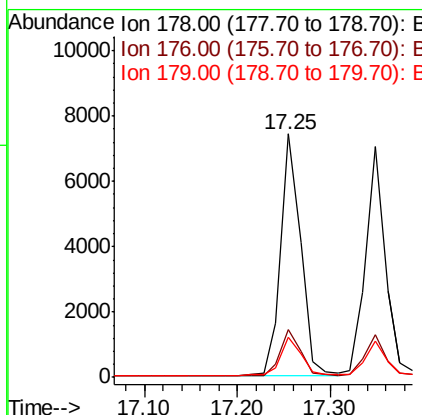
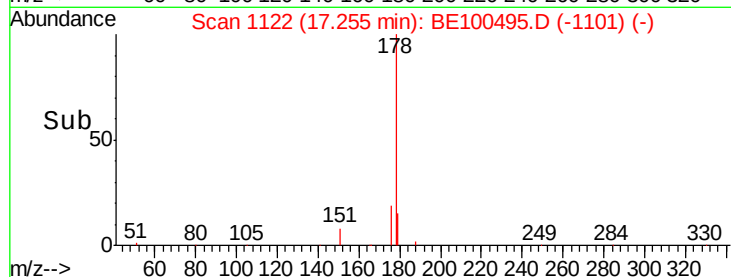
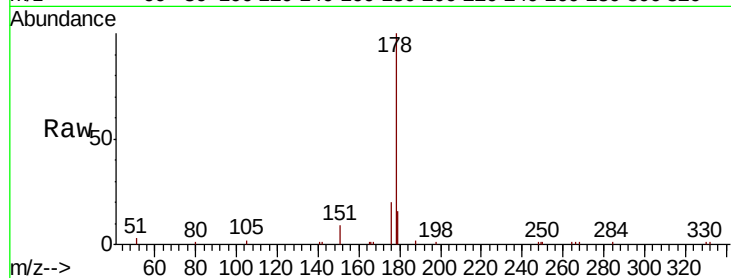
#23
Phenanthrene
Concen: 0.339 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.0	12.6	18.8

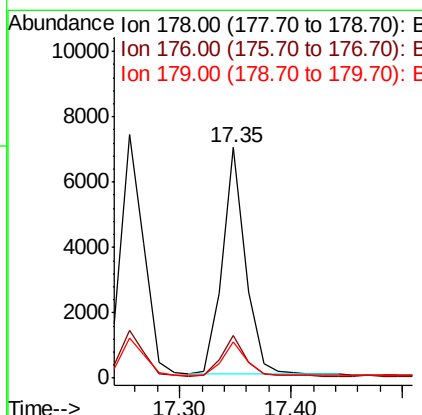
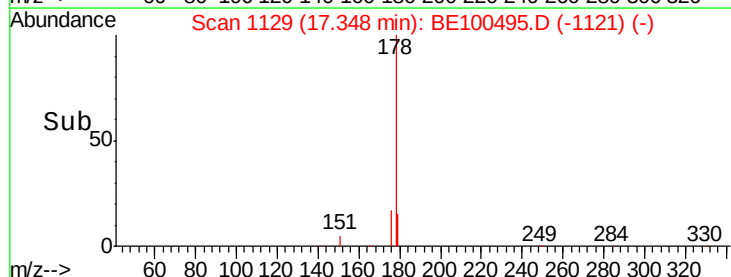
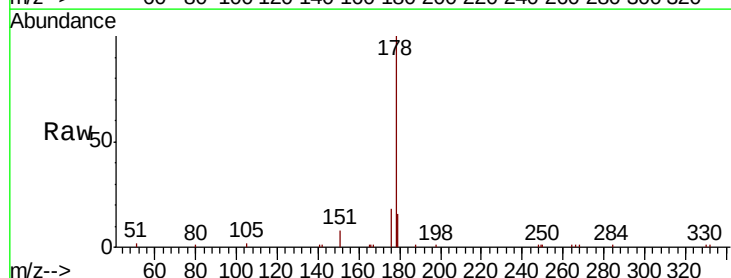
Manual Integrations
APPROVED

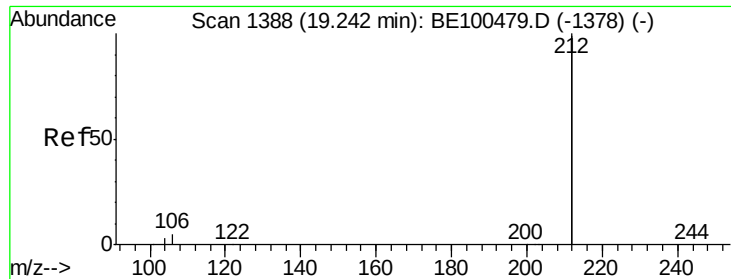
mohammad
7/24/2019 5:28:36 PM



#24
Anthracene
Concen: 0.322 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.3	22.9
179	15.0	12.2	18.2





#25

Fluoranthene-d10

Concen: 0.276 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

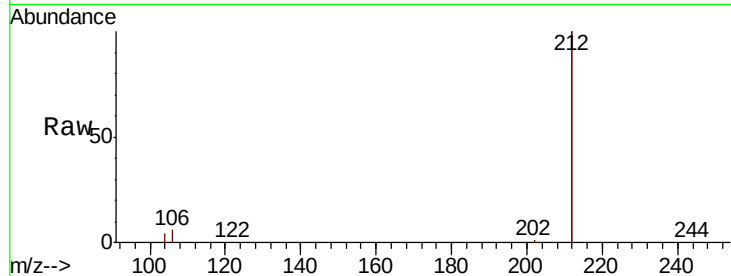
ClientSampleId :

PB121443BS

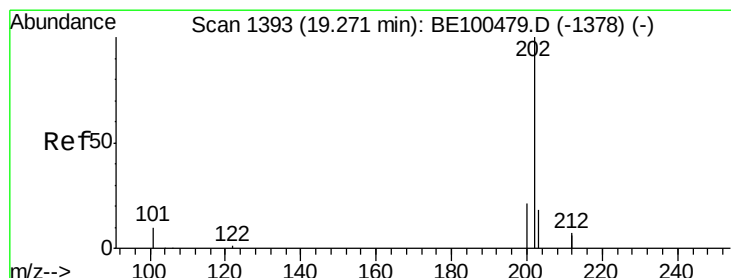
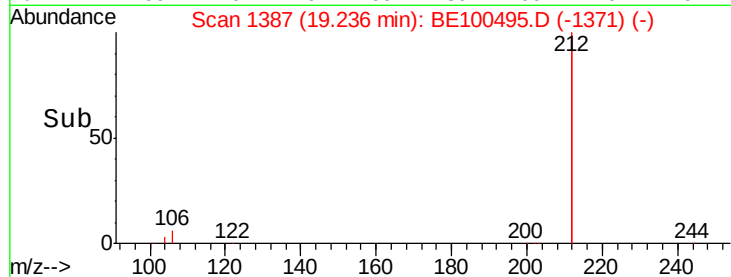
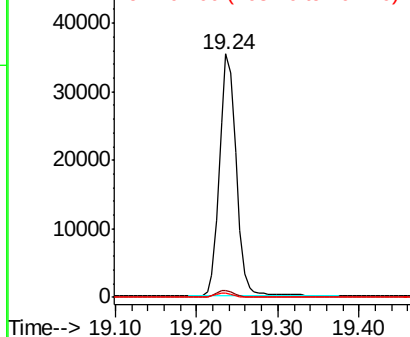
Tot Ion:	212	Resp:	50608
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.2	3.4
104	1.5	1.2	1.8

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 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: 0.303 ng

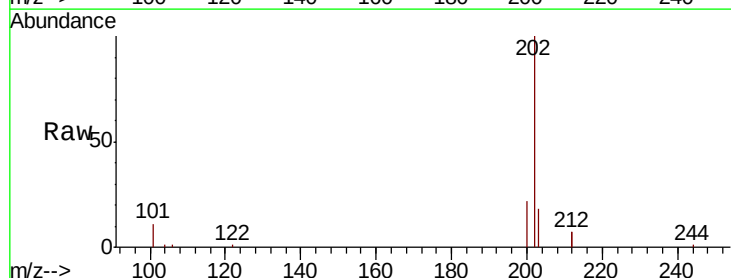
RT: 19.26 min Scan# 1392

Delta R.T. -0.01 min

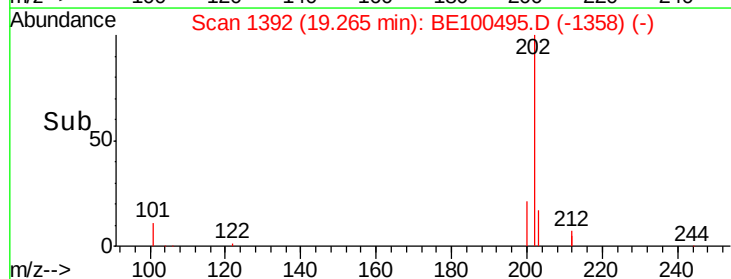
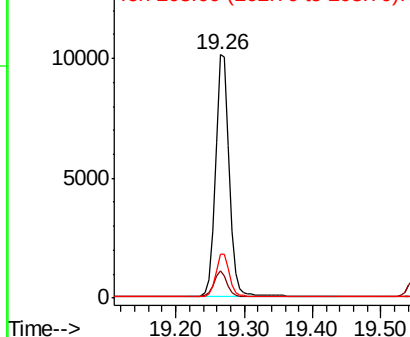
Lab File: BE100495.D

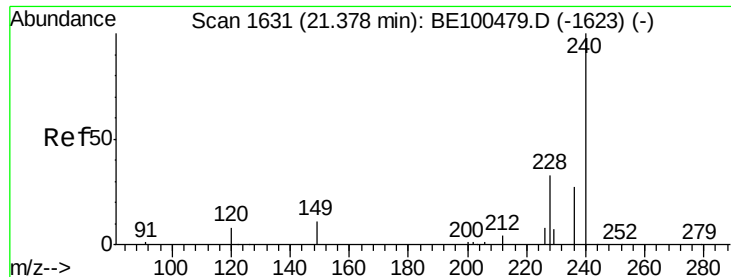
Acq: 23 Jul 2019 11:12

Tgt Ion:	202	Resp:	14301
Ion Ratio	Lower	Upper	
202	100		
101	9.9	8.0	12.0
203	17.2	13.5	20.3



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





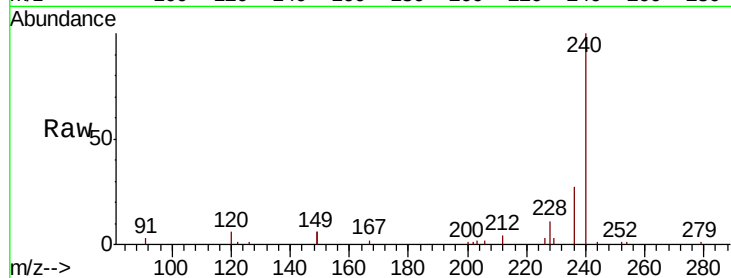
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	8.2	12.2#
236	26.6	22.6	34.0

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM

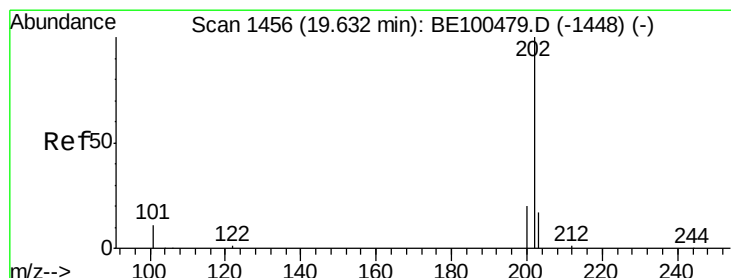
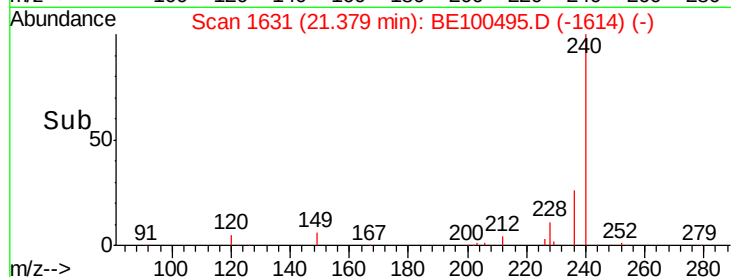
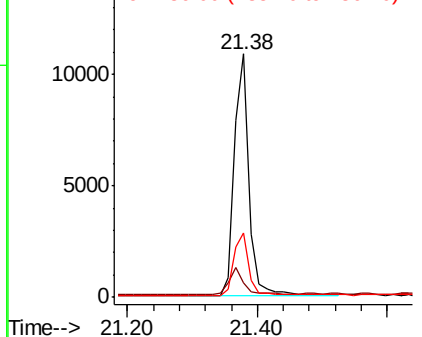


Abundance

Ion 240.00 (239.70 to 240.70): E

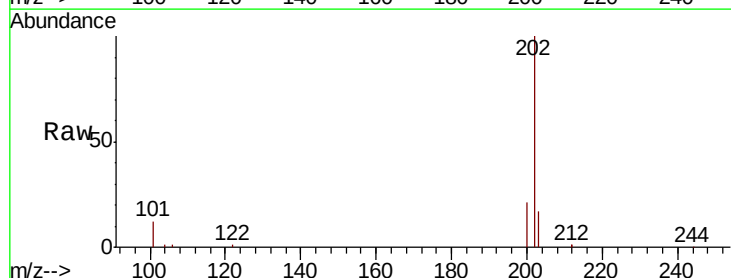
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.280 ng
RT: 19.63 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	17.4	14.1	21.1

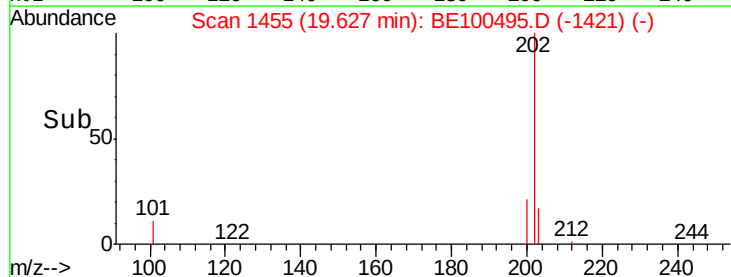
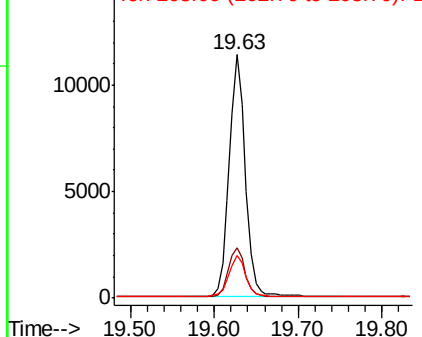


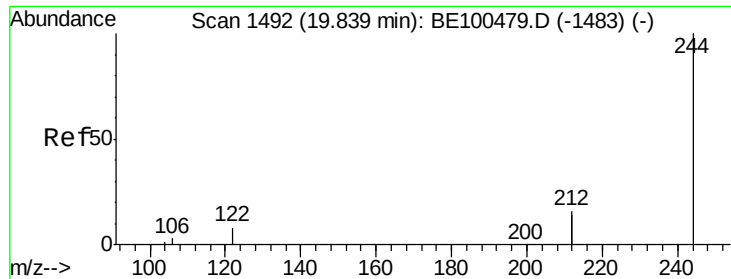
Abundance

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





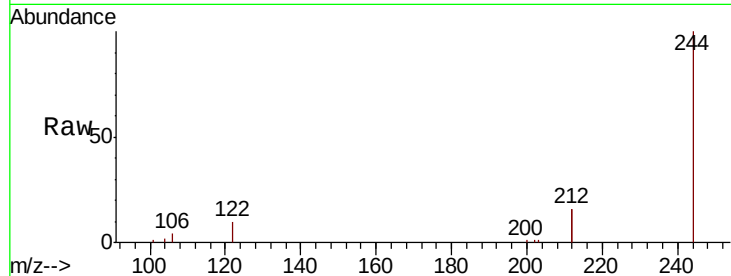
#29
 Terphenyl-d14
 Concen: 0.215 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

Instrument :
 BNA_E
 ClientSampleId :
 PB121443BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	32.9	25.6	38.4
122	10.5	7.2	10.8

Manual Integrations
 APPROVED

mohammad
 7/24/2019 5:28:36 PM

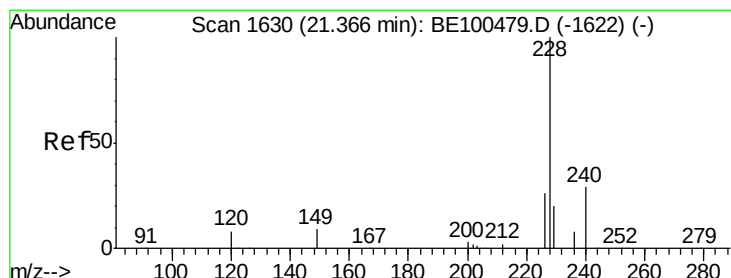
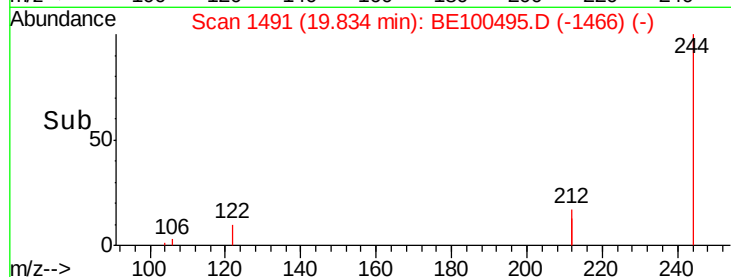
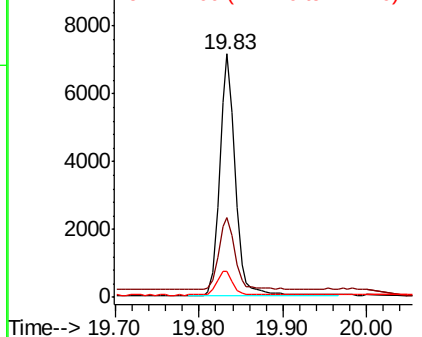


Abundance

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: 0.328 ng
 RT: 21.35 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

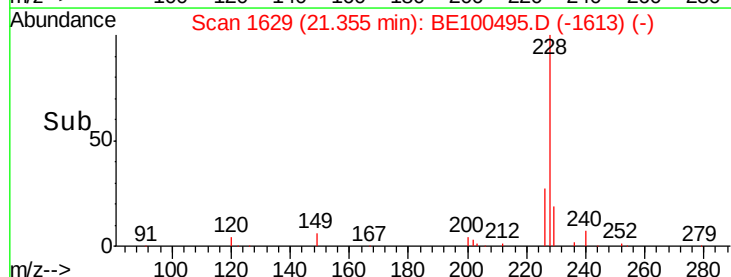
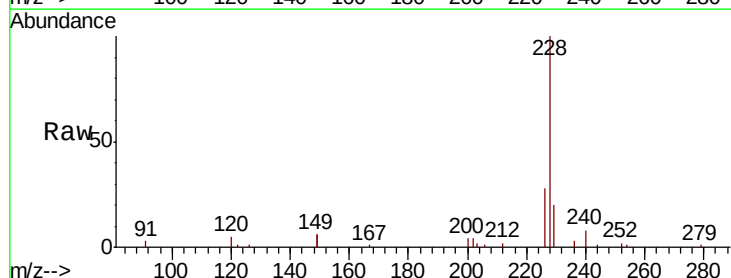
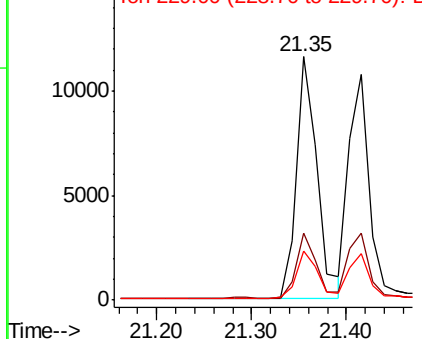
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	19.9	17.3	25.9

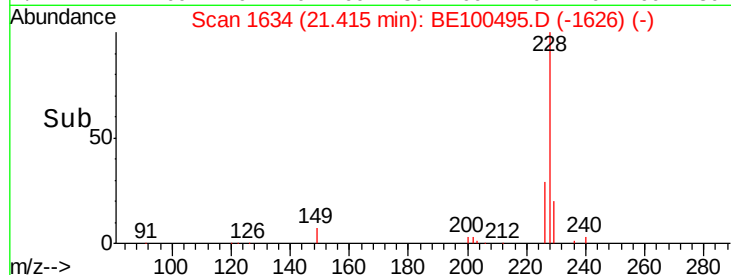
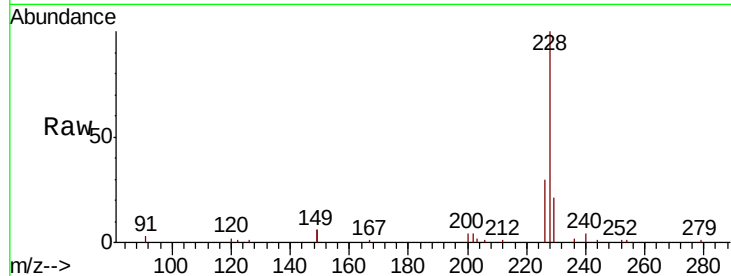
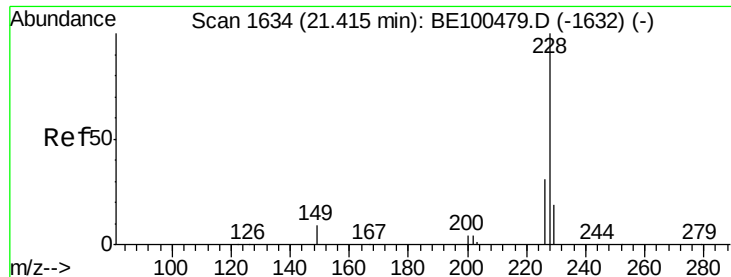
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





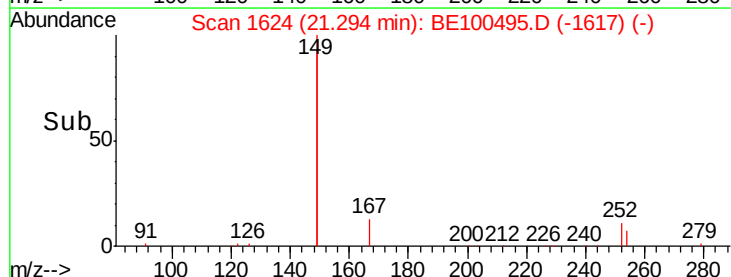
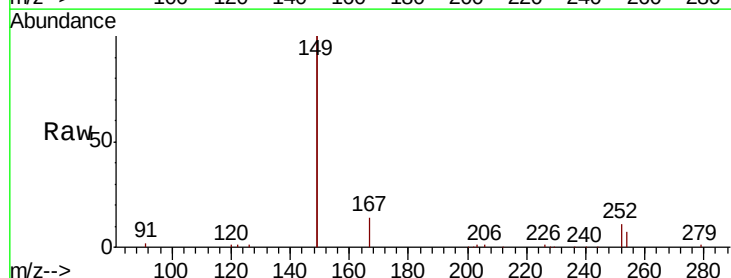
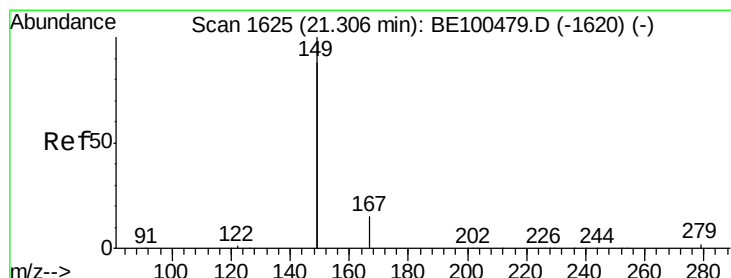
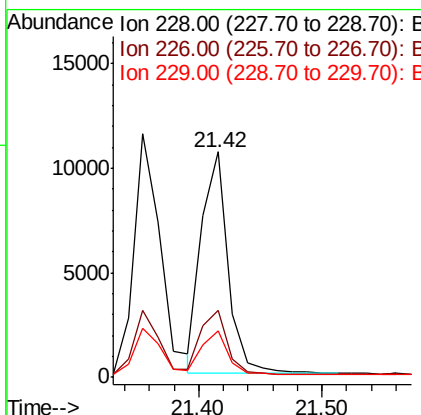
#31
 Chrysene
 Concen: 0.302 ng
 RT: 21.42 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

Instrument :
 BNA_E
 ClientSampleID :
 PB121443BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.7	16.7	25.1

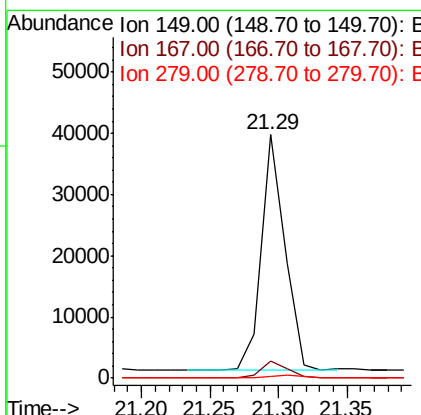
Manual Integrations
 APPROVED

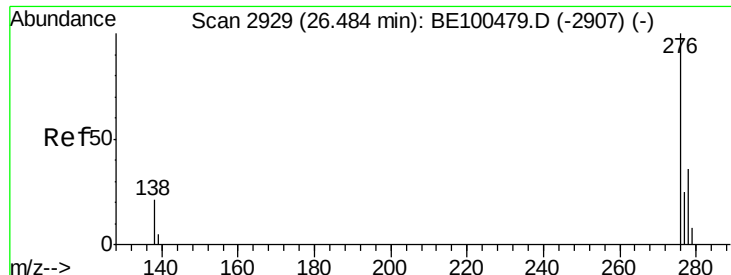
mohammad
 7/24/2019 5:28:36 PM



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.375 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE100495.D
 Acq: 23 Jul 2019 11:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.9	8.9
279	1.2	1.0	1.6





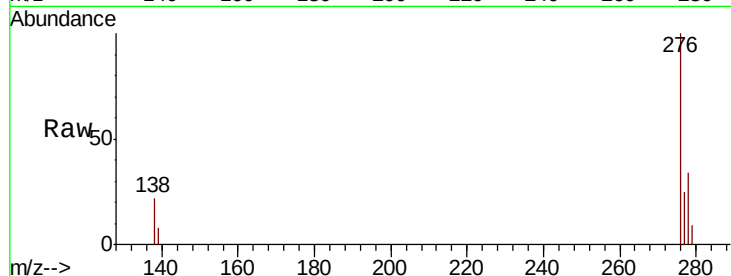
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 26.47 min Scan# 2925
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	16.6	25.0
277	24.6	19.1	28.7

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM

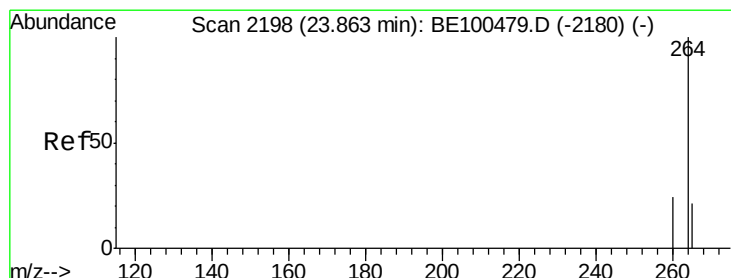
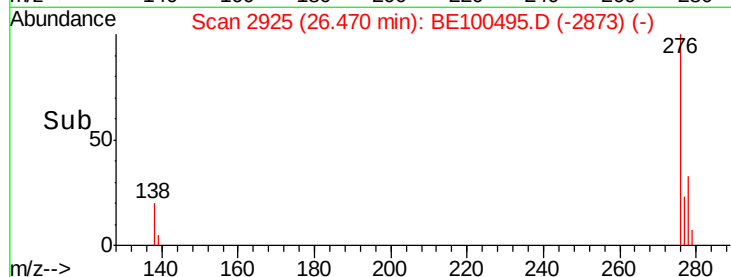
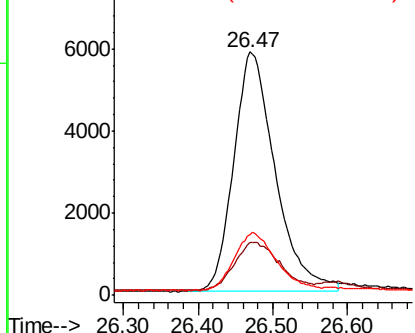


Abundance

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
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

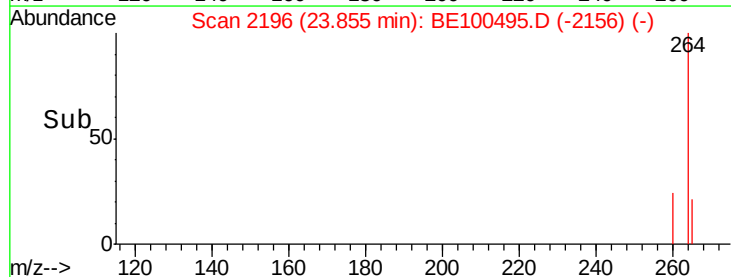
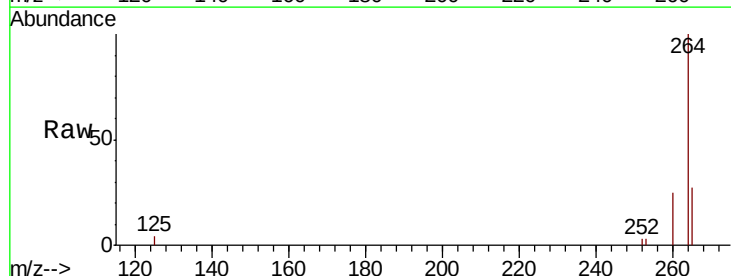
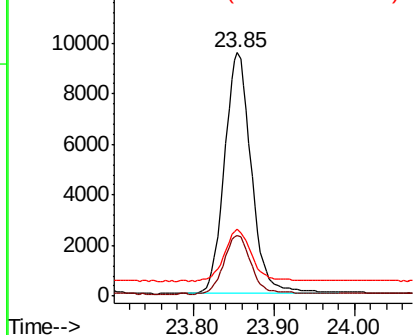
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.7	31.1
265	27.4	23.4	35.2

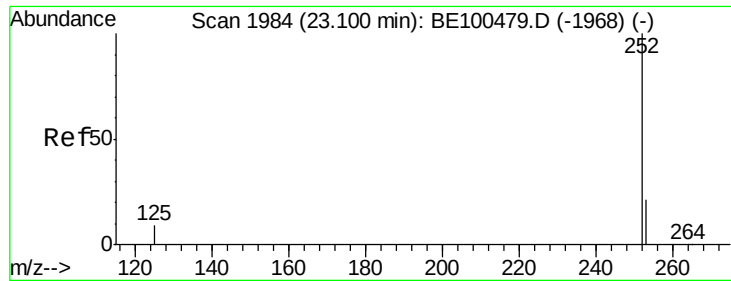
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.317 ng

RT: 23.09 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

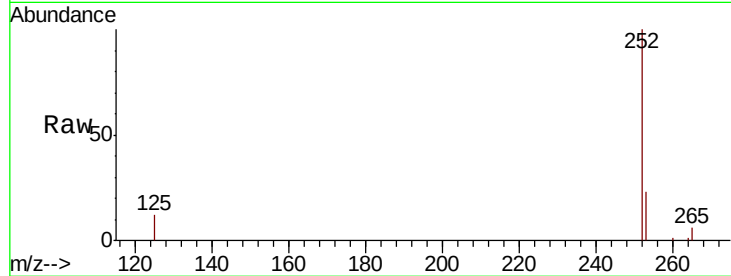
ClientSampled :

PB121443BS

Tot Ion:	252	Resp:	19235
Ion Ratio	Lower	Upper	
252	100		
253	23.4	19.2	28.8
125	12.3	11.9	17.9

Manual Integrations
APPROVED

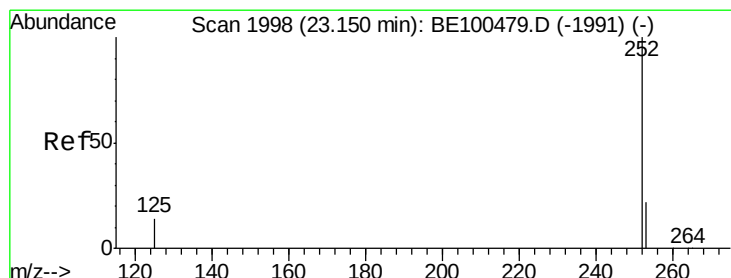
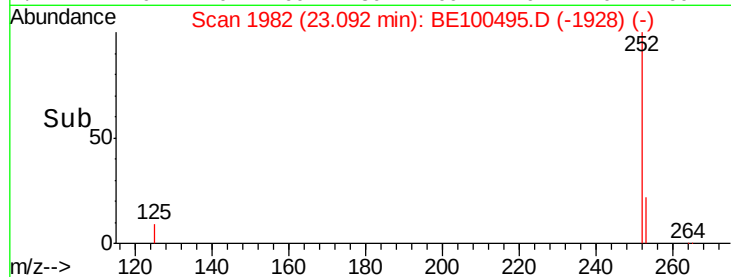
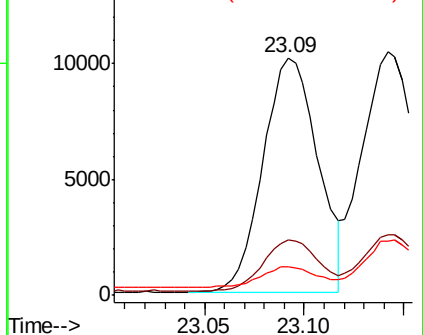
mohammad
7/24/2019 5:28:36 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.343 ng

RT: 23.14 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BE100495.D

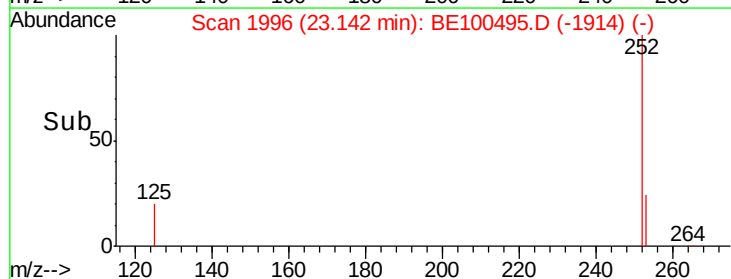
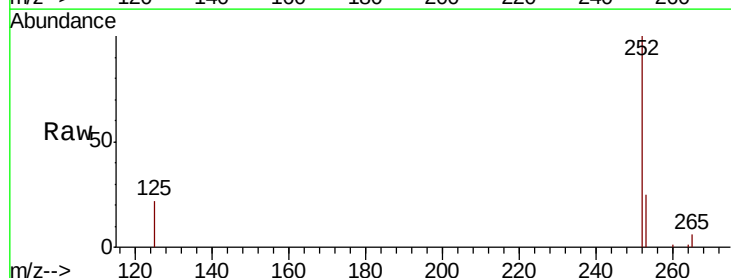
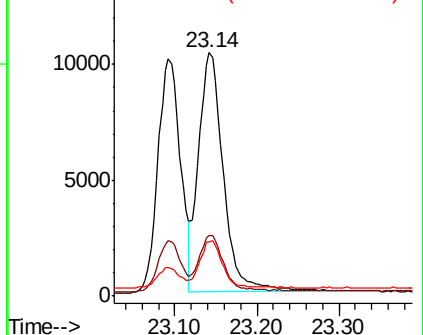
Acq: 23 Jul 2019 11:12

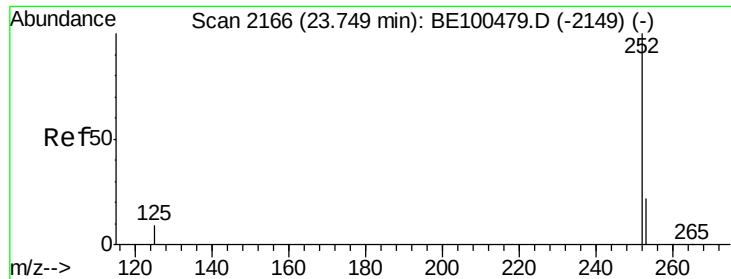
Tgt Ion:	252	Resp:	21809
Ion Ratio	Lower	Upper	
252	100		
253	25.0	19.7	29.5
125	22.4	15.2	22.8

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





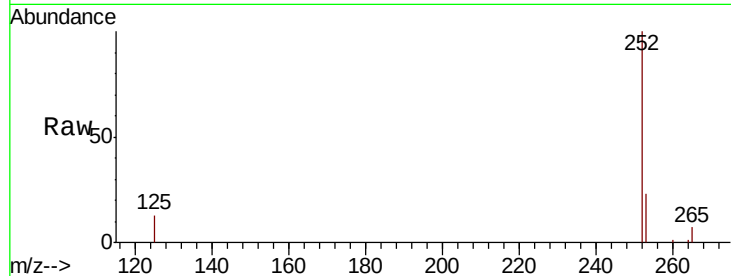
#37
Benzo(a)pyrene
Concen: 0.345 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

Instrument :
BNA_E
ClientSampleId :
PB121443BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	20.0	30.0
125	13.5	14.1	21.1

Manual Integrations
APPROVED

mohammad
7/24/2019 5:28:36 PM

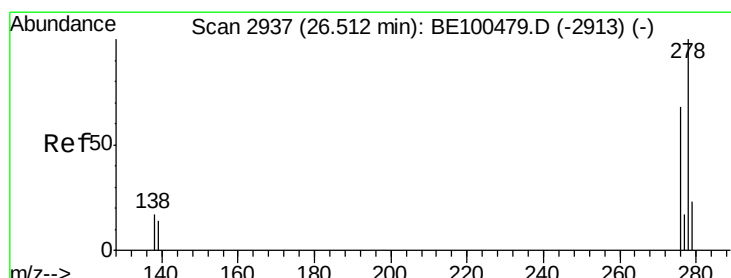
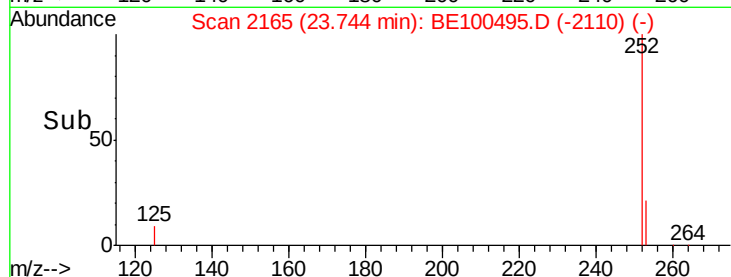
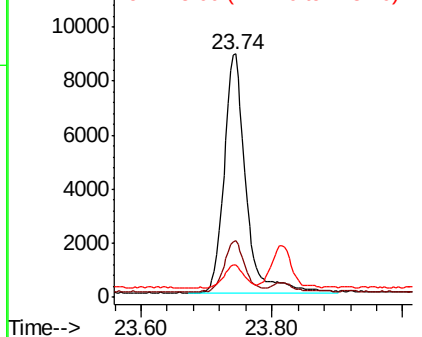


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.339 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE100495.D
Acq: 23 Jul 2019 11:12

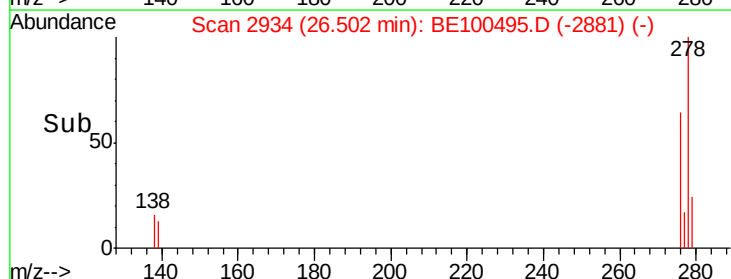
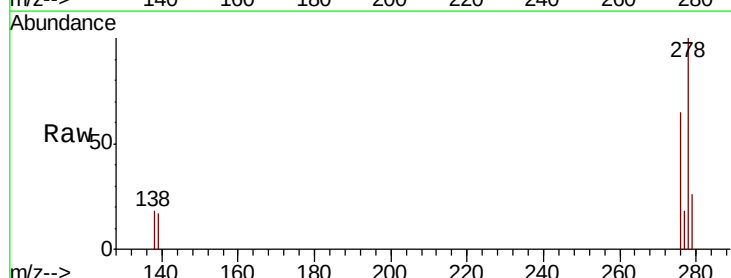
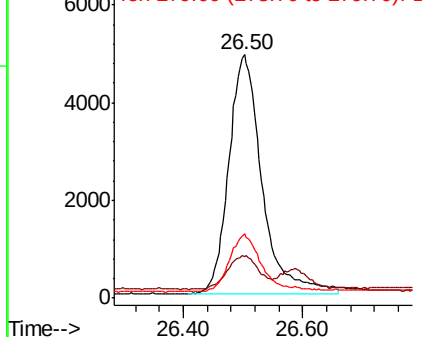
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.8	25.2
279	26.4	21.8	32.8

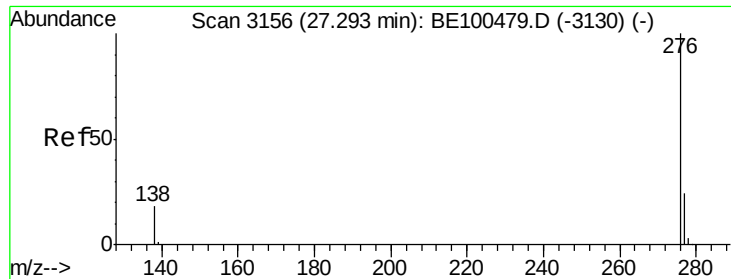
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.350 ng

RT: 27.28 min Scan# 3151

Delta R.T. -0.02 min

Lab File: BE100495.D

Acq: 23 Jul 2019 11:12

Instrument :

BNA_E

ClientSampleId :

PB121443BS

Tot Ion: 276 Resp: 19934

Ion Ratio Lower Upper

276 100

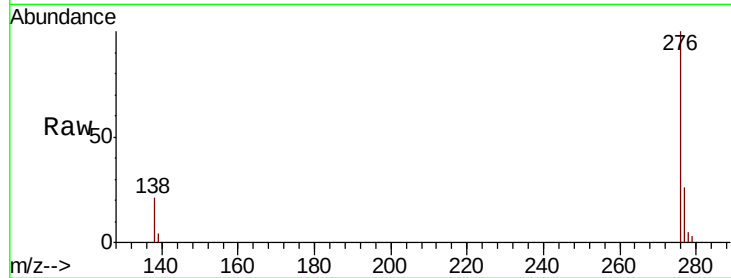
277 26.0 22.0 33.0

138 20.5 17.3 25.9

Manual Integrations
APPROVED

mohammad

7/24/2019 5:28:36 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

