

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100554.D
 Acq On : 25 Sep 2019 12:39
 Operator : JU
 Sample : K4995-07MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW177-091819-1MS

Manual Integrations
 APPROVED

mohammad
 9/26/2019 3:55:35 PM

Quant Time: Sep 26 00:59:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	8130	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	34049	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	17684	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	32704	0.40	ng	0.00
27) Chrysene-d12	21.37	240	39380	0.40	ng	0.00
34) Perylene-d12	23.83	264	53969	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	6176	0.32	ng	0.01
5) Phenol-d6	7.01	99	8028	0.31	ng	-0.01
8) Nitrobenzene-d5	9.00	82	5977	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	15134	0.30	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	629	0.22	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	17904	0.28	ng	0.00
25) Fluoranthene-d10	19.23	212	109143	0.28	ng	0.00
29) Terphenyl-d14	19.82	244	24630	0.26	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.35	88	2851	0.243	ng	# 67
3) n-Nitrosodimethylamine	3.66	42	2229	0.324	ng	# 95
6) bis(2-Chloroethyl)ether	7.28	93	7430	0.282	ng	87
9) Naphthalene	10.69	128	105254	0.298	ng	100
10) Hexachlorobutadiene	10.99	225	3135	0.278	ng	98
12) 2-Methylnaphthalene	12.31	142	16144	0.287	ng	99
16) Acenaphthylene	14.20	152	23367	0.321	ng	99
17) Acenaphthene	14.54	154	13663	0.278	ng	99
18) Fluorene	15.51	166	16511	0.268	ng	100
20) 4-Bromophenyl-phenylether	16.40	248	4755	0.309	ng	94
21) Hexachlorobenzene	16.52	284	3639	0.272	ng	99
22) Pentachlorophenol	16.85	266	374	0.293	ng	98
23) Phenanthrene	17.24	178	33890	0.372	ng	100
24) Anthracene	17.34	178	23725	0.309	ng	100
26) Fluoranthene	19.25	202	56335	0.513	ng	100
28) Pyrene	19.62	202	60243	0.532	ng	98
30) Benzo(a)anthracene	21.34	228	57973	0.551	ng	99
31) Chrysene	21.40	228	58296	0.486	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	95024	0.838	ng	100
33) Indeno(1,2,3-cd)pyrene	26.44	276	66822	0.502	ng	98
35) Benzo(b)fluoranthene	23.07	252	72124	0.494	ng	99
36) Benzo(k)fluoranthene	23.12	252	63222m	0.374	ng	
37) Benzo(a)pyrene	23.72	252	65688	0.482	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	44316	0.312	ng	98
39) Benzo(g,h,i)perylene	27.24	276	59652	0.403	ng	99

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

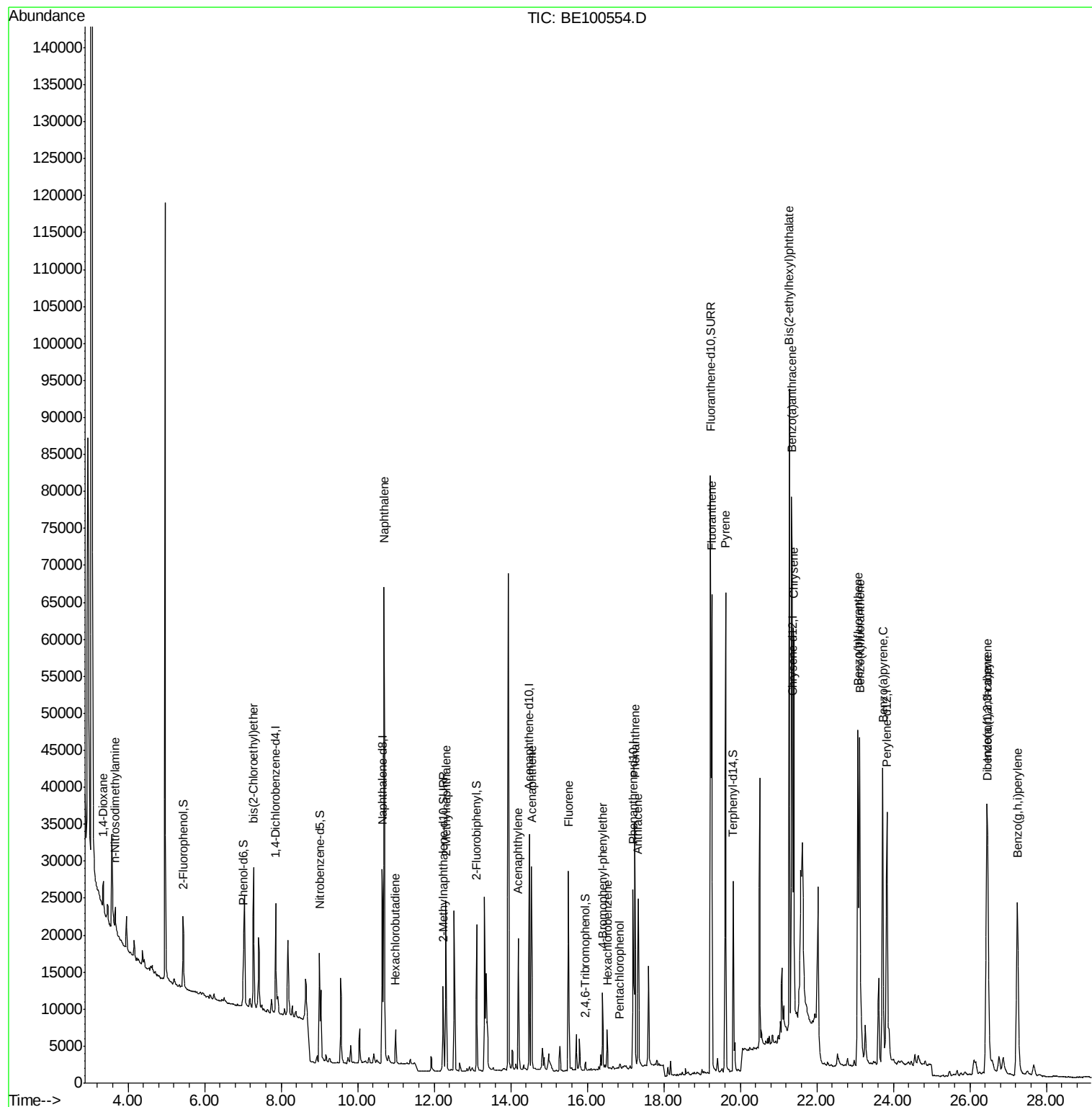
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
Data File : BE100554.D
Acq On : 25 Sep 2019 12:39
Operator : JU
Sample : K4995-07MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

Quant Time: Sep 26 00:59:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration





#1

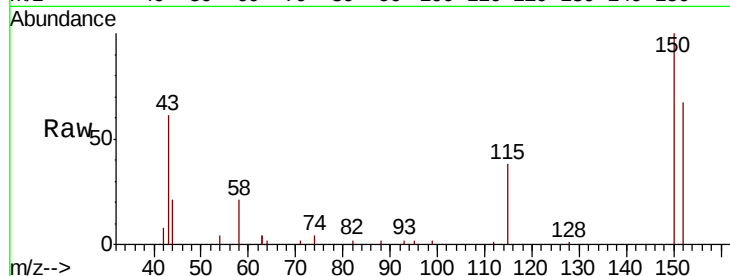
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	121.6	182.4
115	57.4	48.2	72.4

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

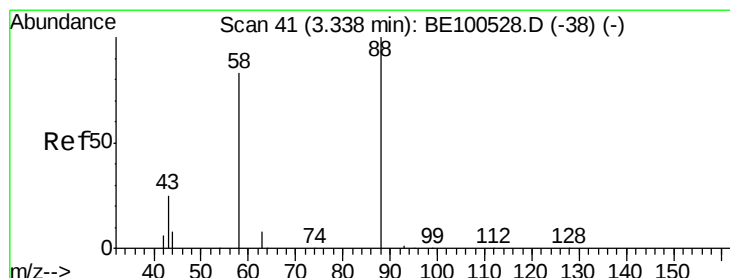
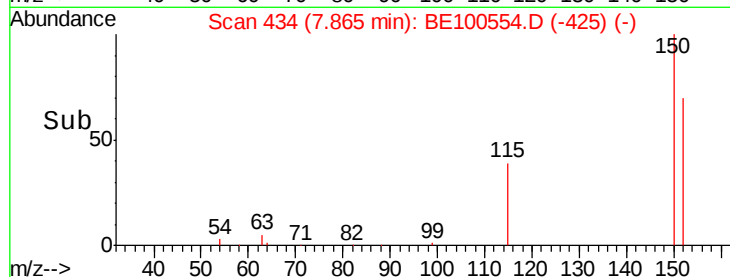
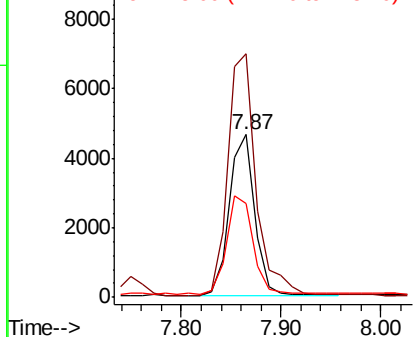


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

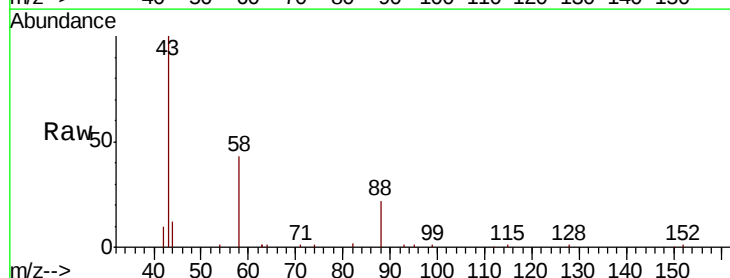
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.243 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.8	53.3	79.9#
43	0.0	16.9	25.3#

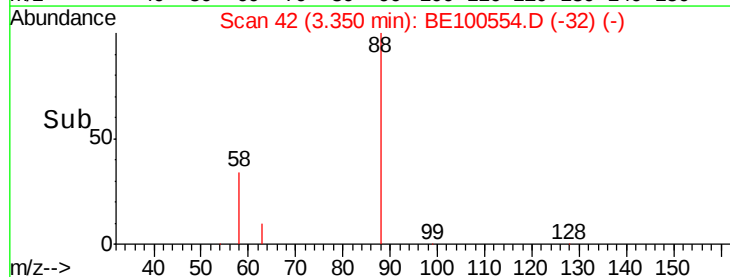
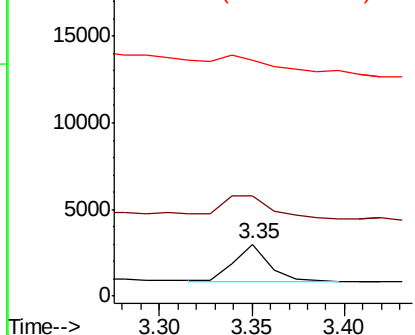


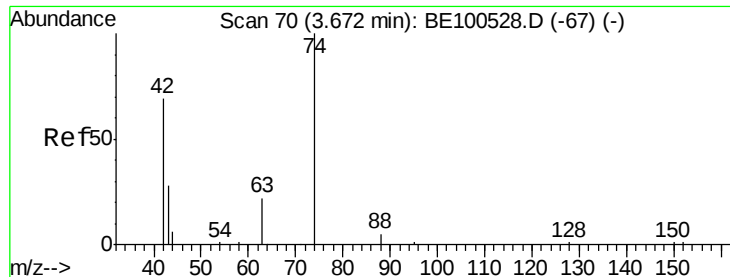
Abundance

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: 0.324 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.01 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

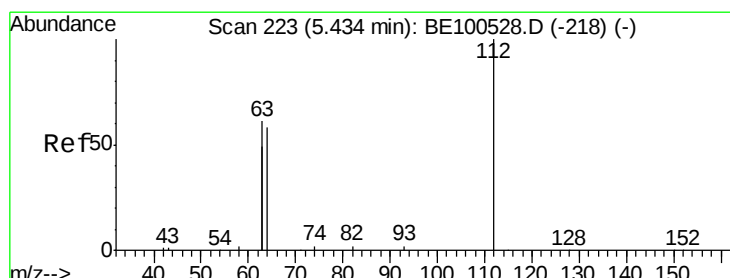
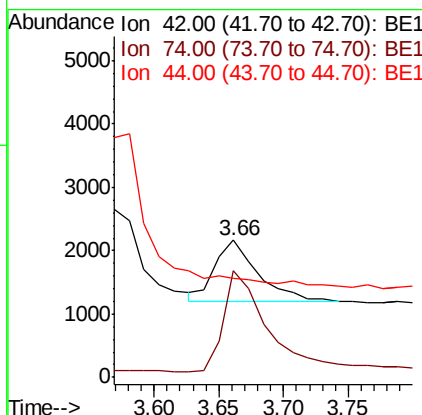
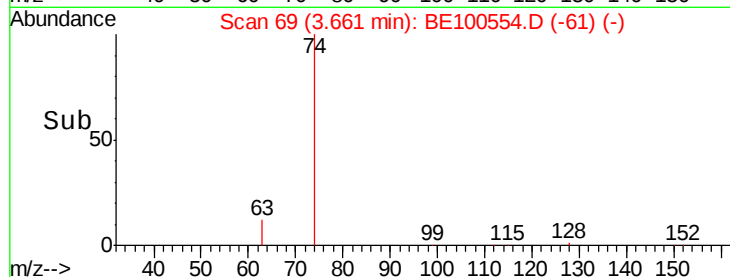
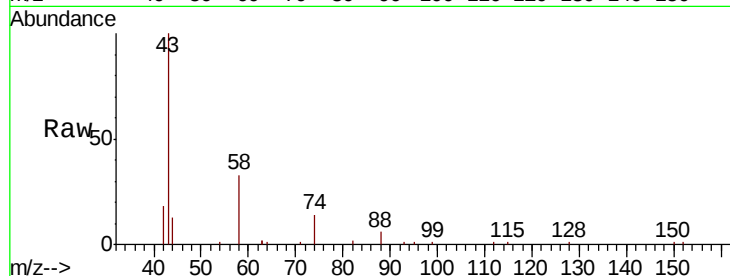
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion:	42	Resp:	2229
Ion	Ratio	Lower	Upper
42	100		
74	173.0	133.8	200.6
44	0.0	6.4	9.6#

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#4

2-Fluorophenol

Concen: 0.324 ng

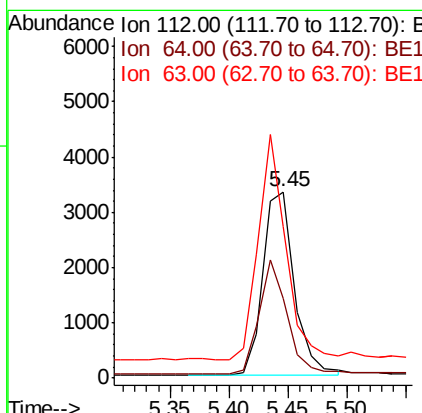
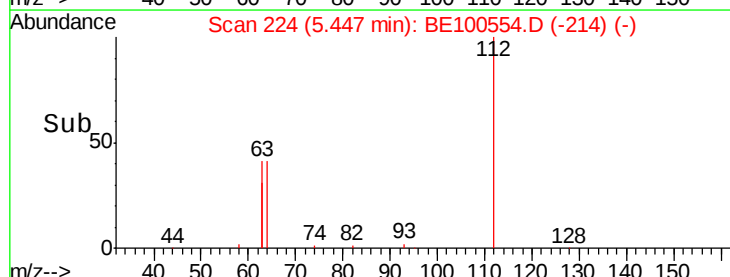
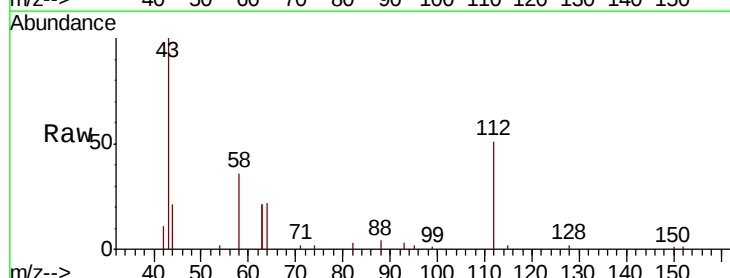
RT: 5.45 min Scan# 224

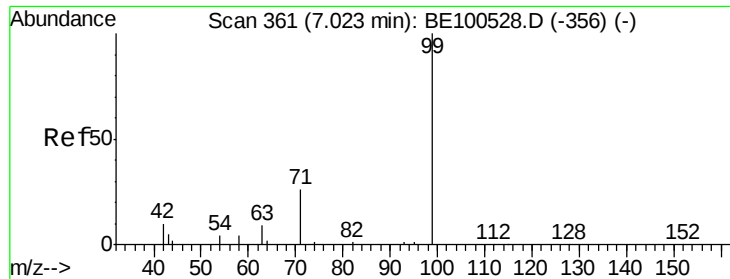
Delta R.T. 0.01 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion:	112	Resp:	6176
Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.1	66.1
63	108.0	86.5	129.7





#5

Phenol-d6

Concen: 0.308 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

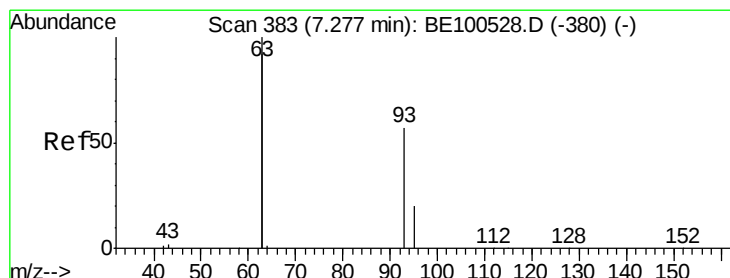
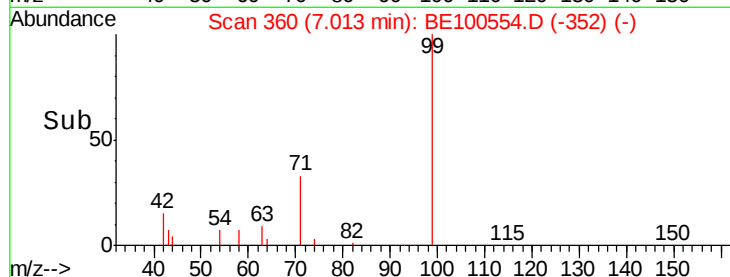
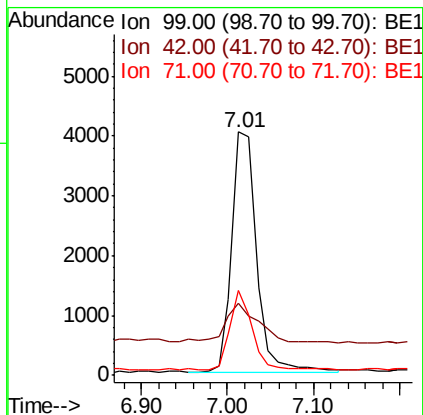
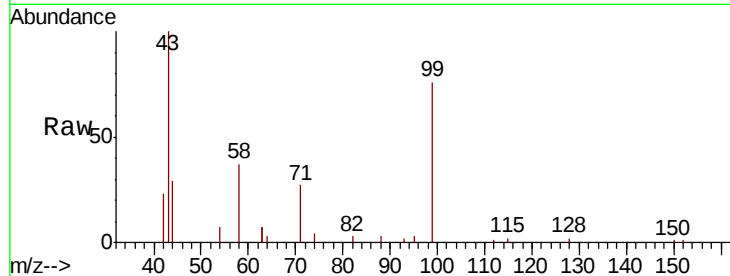
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion:	99	Resp:	8028
Ion	Ratio	Lower	Upper
99	100		
42	23.4	13.0	19.6#
71	29.1	23.4	35.0

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#6

bis(2-Chloroethyl)ether

Concen: 0.282 ng

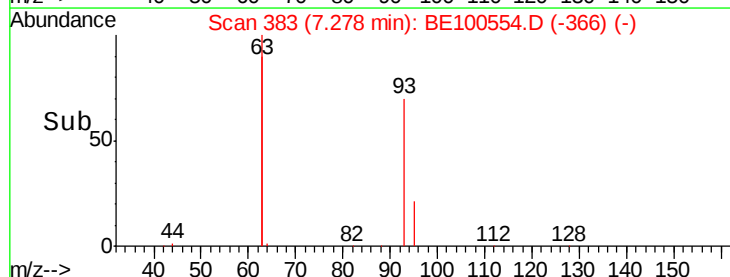
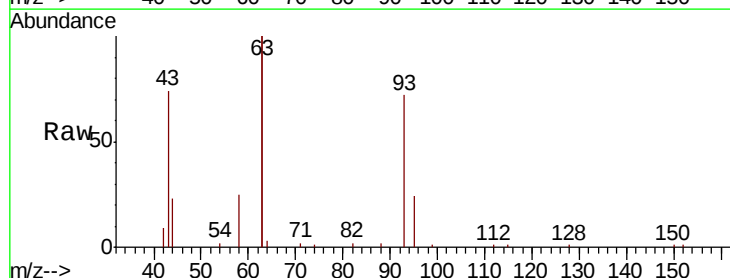
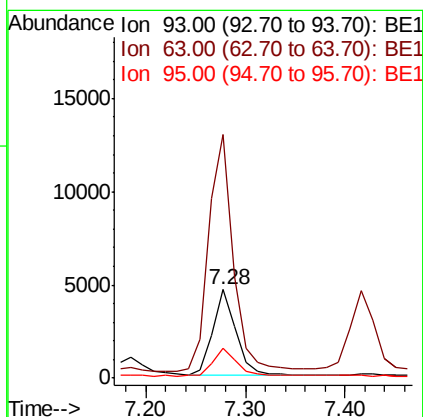
RT: 7.28 min Scan# 383

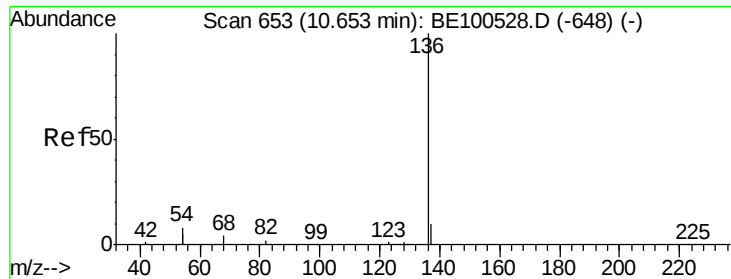
Delta R.T. 0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion:	93	Resp:	7430
Ion	Ratio	Lower	Upper
93	100		
63	290.6	213.4	320.0
95	33.3	23.7	35.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

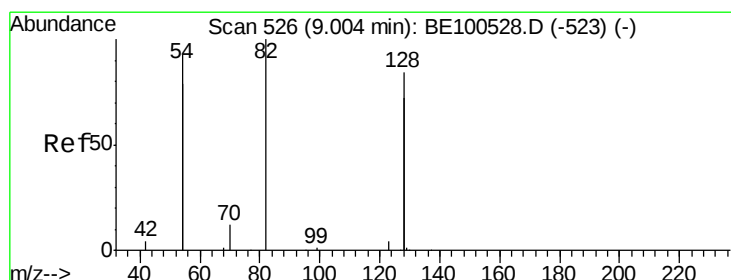
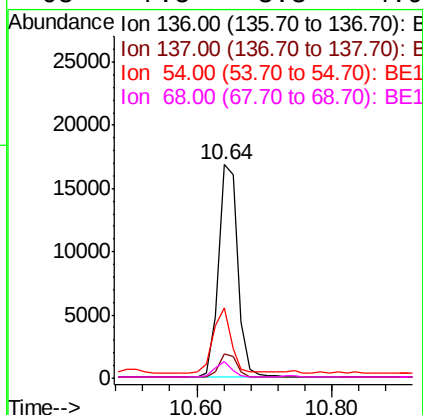
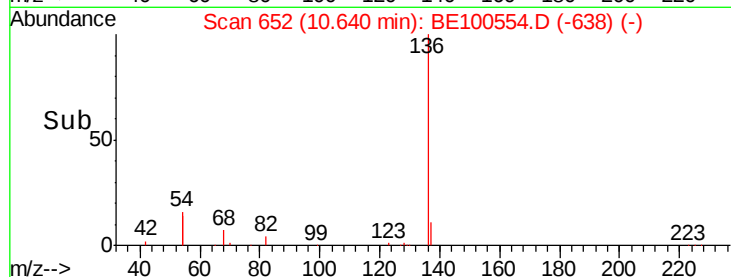
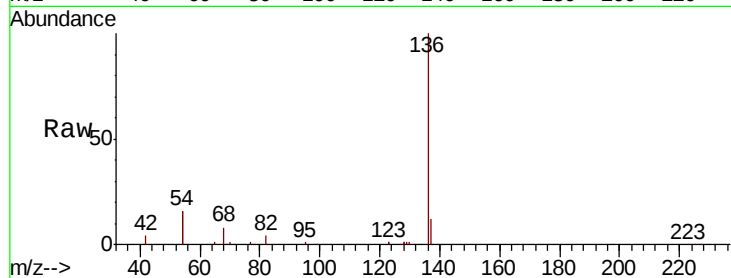
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	13.0
54	32.8	12.4	18.6#
68	7.5	3.3	4.9#

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#8

Nitrobenzene-d5

Concen: 0.305 ng

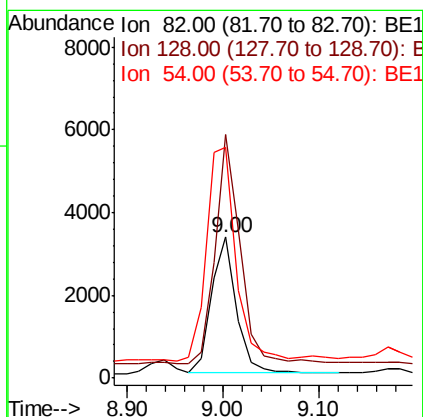
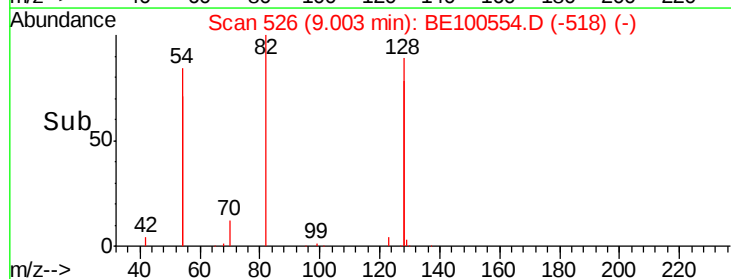
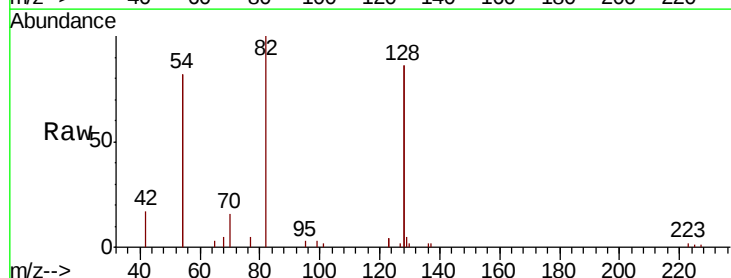
RT: 9.00 min Scan# 526

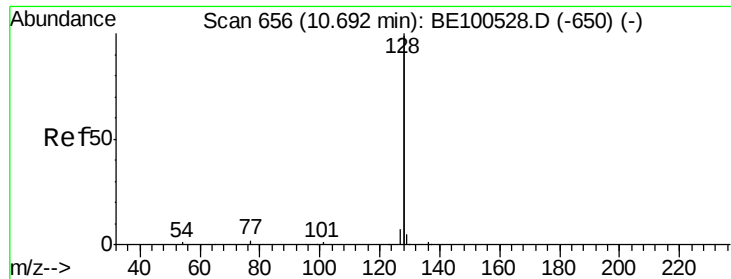
Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
82	100		
128	172.5	129.4	194.2
54	163.7	143.3	214.9





#9

Naphthalene

Concen: 0.298 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

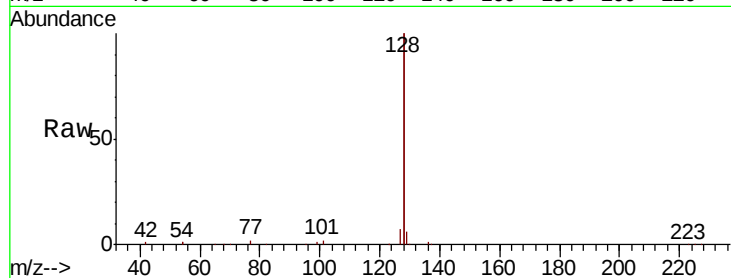
ClientSampleId :

EXT-SW177-091819-1MS

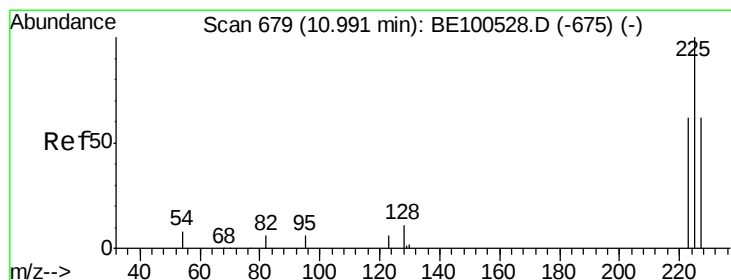
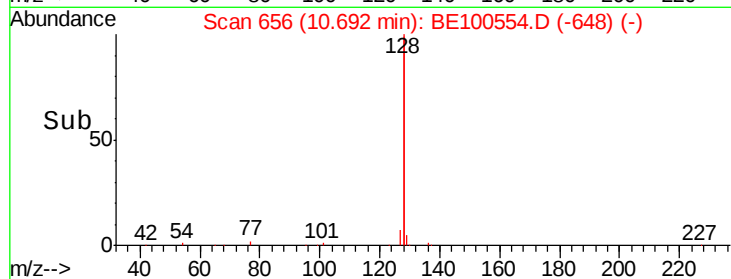
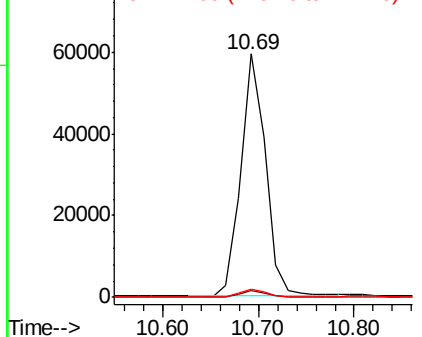
Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	2.8	2.2	3.4	
127	3.4	2.7	4.1	

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



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



#10

Hexachlorobutadiene

Concen: 0.278 ng

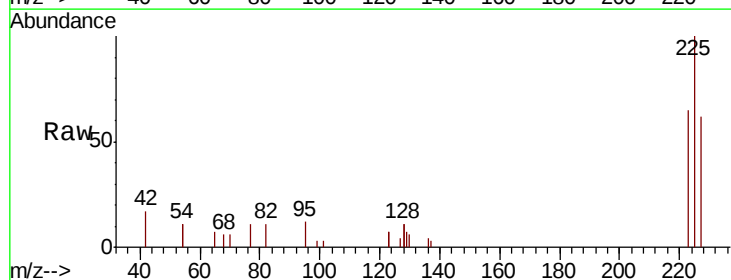
RT: 10.99 min Scan# 679

Delta R.T. -0.00 min

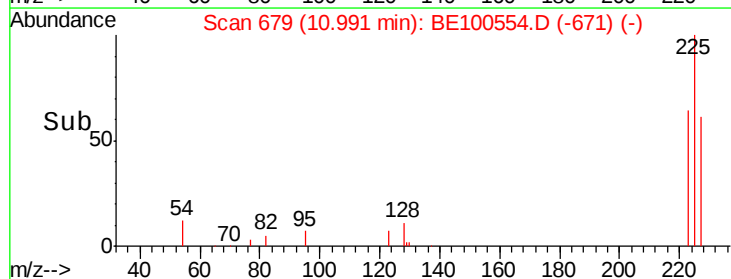
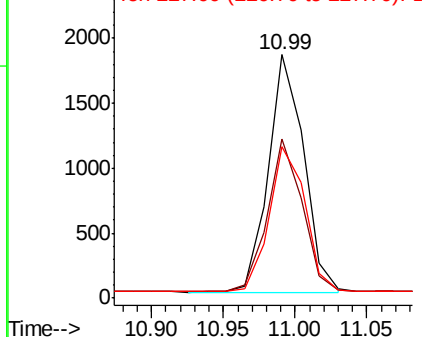
Lab File: BE100554.D

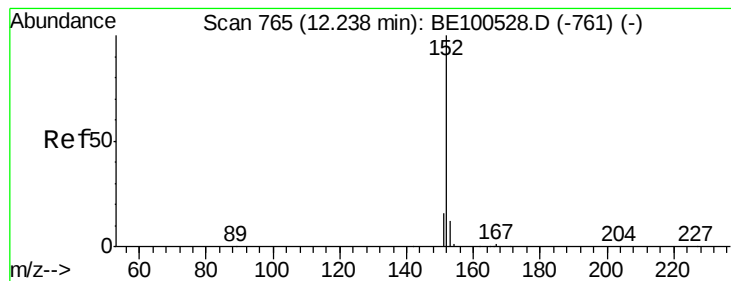
Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	49.7	74.5	
227	62.7	51.4	77.2	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





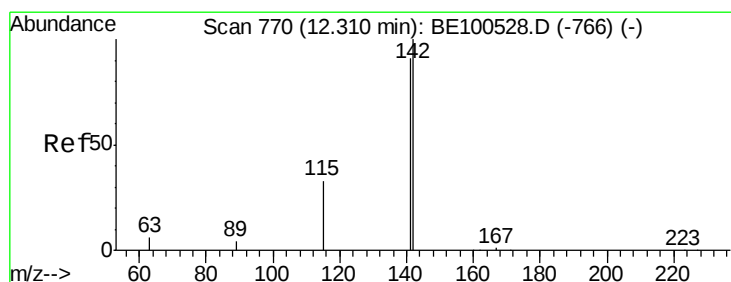
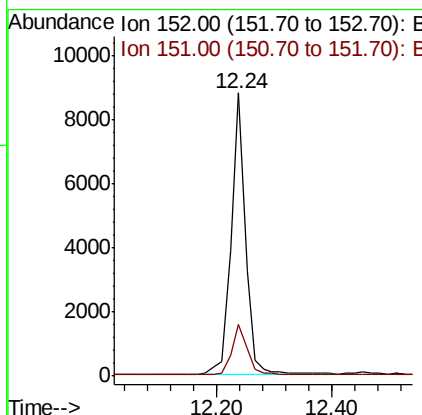
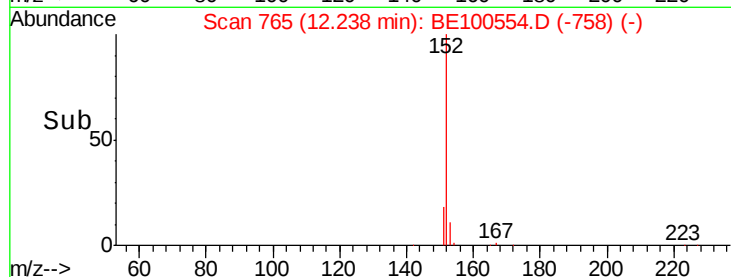
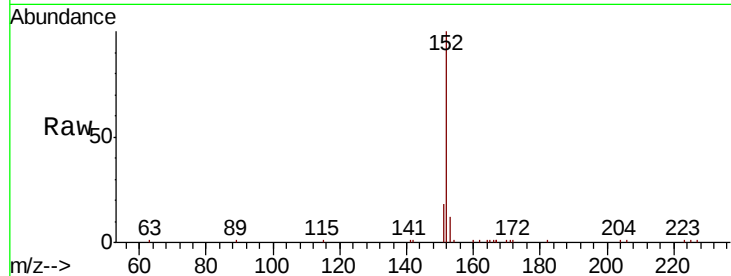
#11
 2-Methylnaphthalene-d10
 Concen: 0.297 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE100554.D
 Acq: 25 Sep 2019 12:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.3	22.9

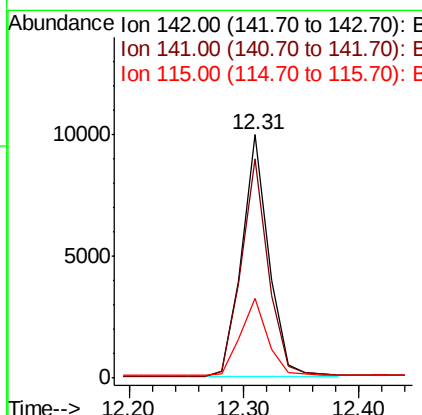
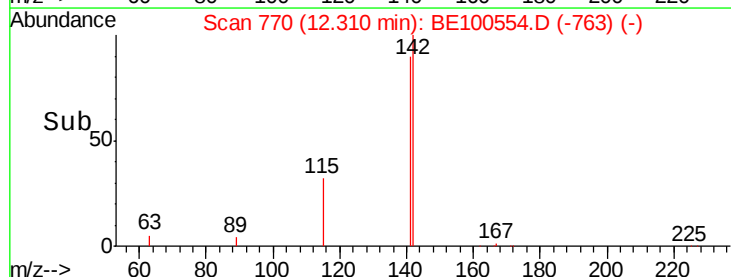
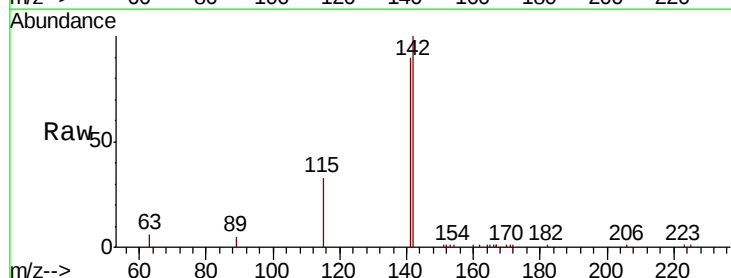
Manual Integrations
 APPROVED

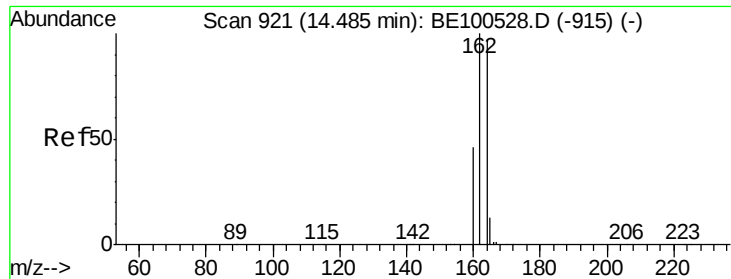
mohammad
 9/26/2019 3:55:35 PM



#12
 2-Methylnaphthalene
 Concen: 0.287 ng
 RT: 12.31 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BE100554.D
 Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.5	108.7
115	32.9	27.2	40.8





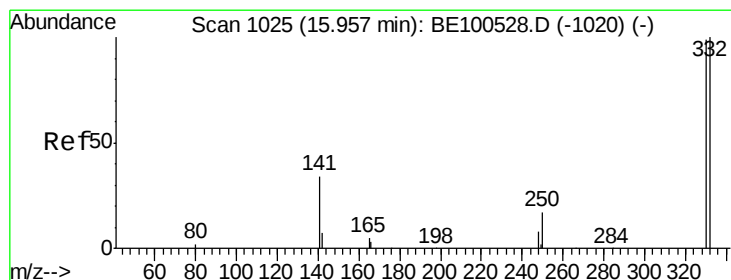
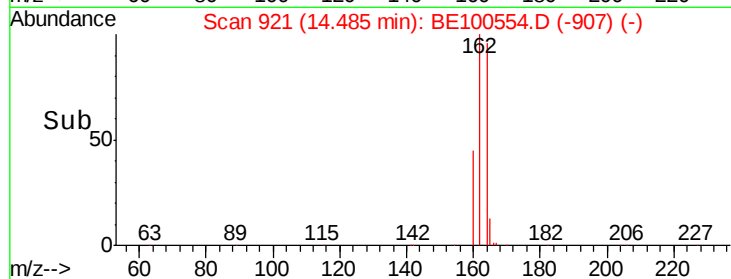
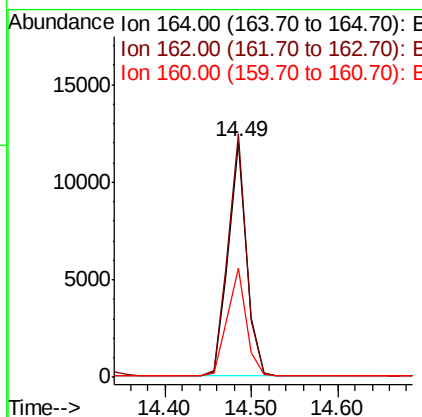
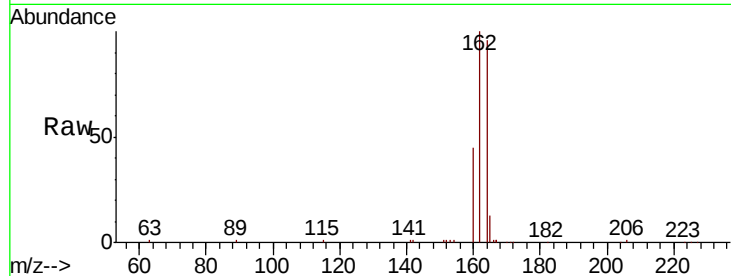
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.1	123.1
160	46.5	37.6	56.4

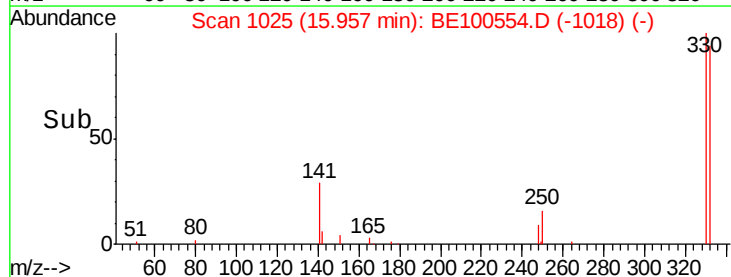
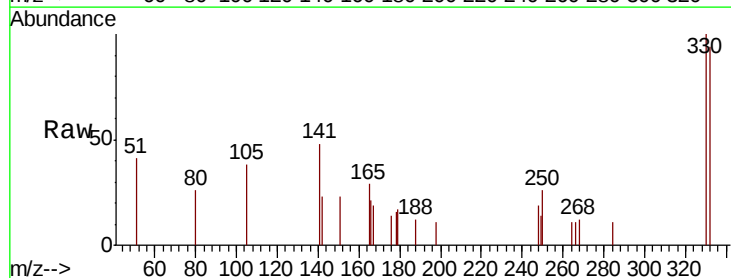
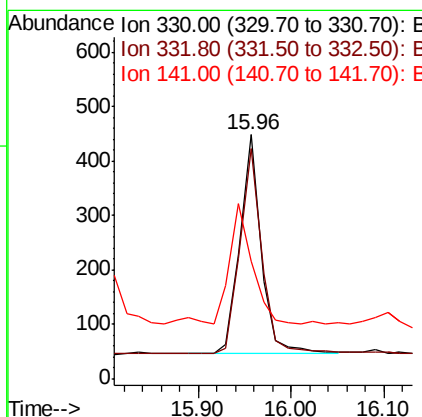
Manual Integrations
APPROVED

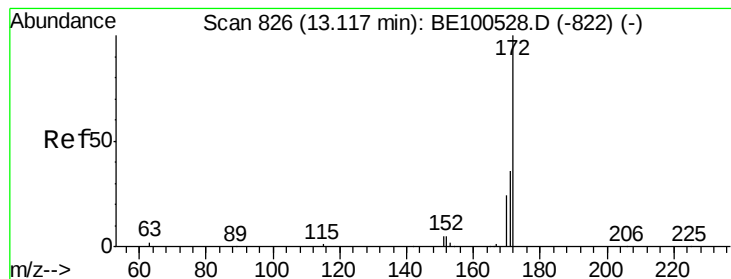
mohammad
9/26/2019 3:55:35 PM



#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.5	113.3
141	58.7	42.3	63.5





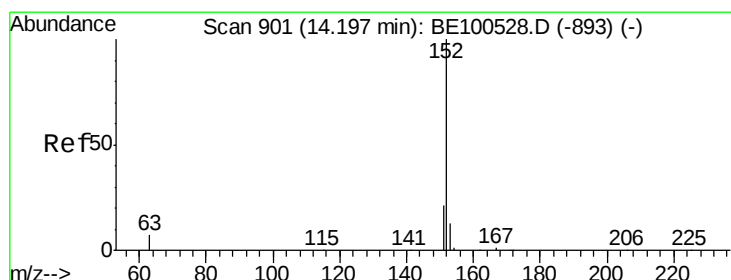
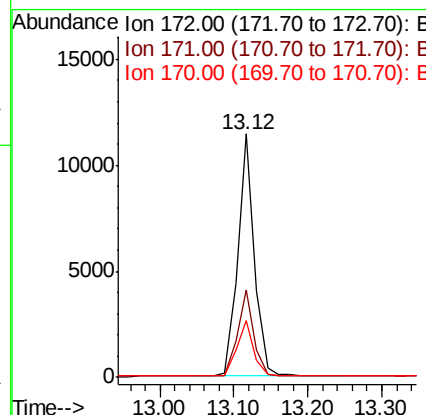
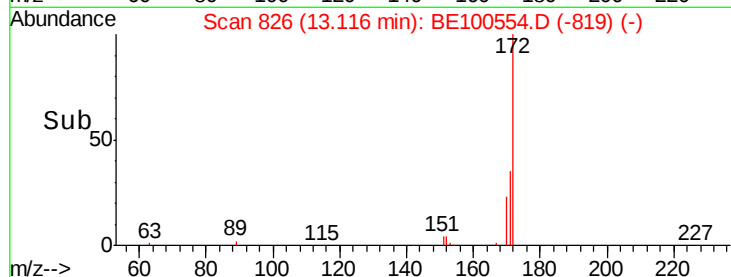
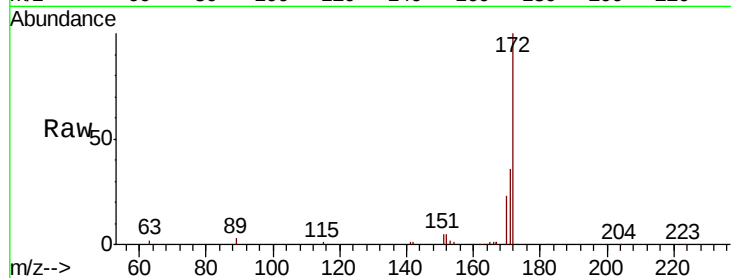
#15
2-Fluorobiphenyl
Concen: 0.284 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.5	19.4	29.0

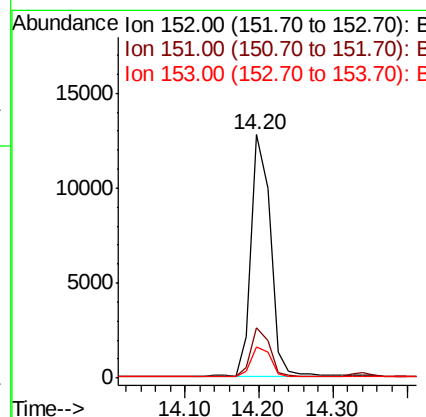
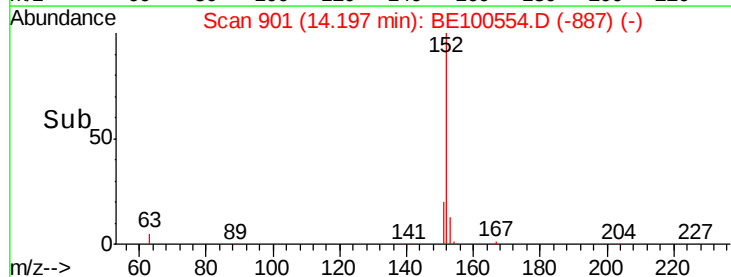
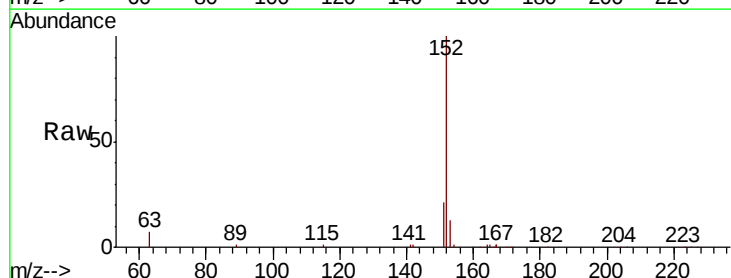
Manual Integrations
APPROVED

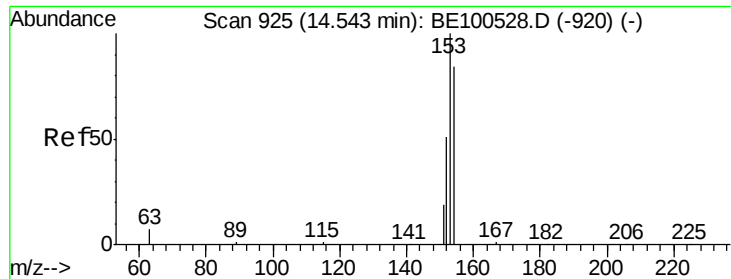
mohammad
9/26/2019 3:55:35 PM



#16
Acenaphthylene
Concen: 0.321 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	12.7	10.7	16.1





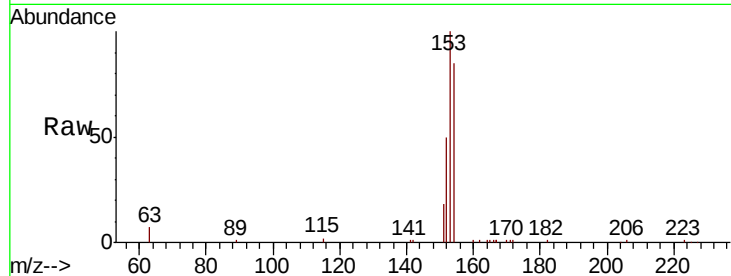
#17
Acenaphthene
Concen: 0.278 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.4	93.7	140.5
152	58.3	47.3	70.9

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

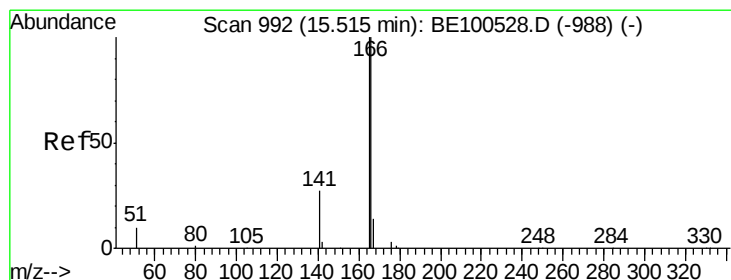
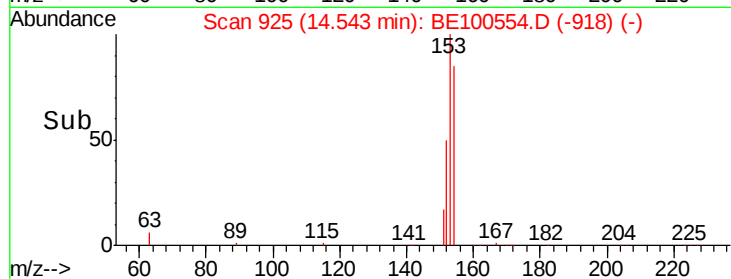
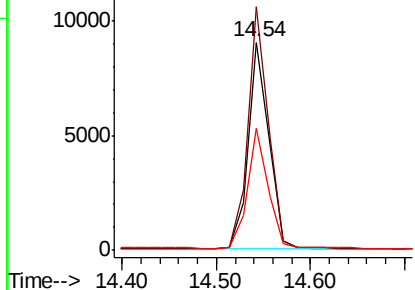


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.268 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

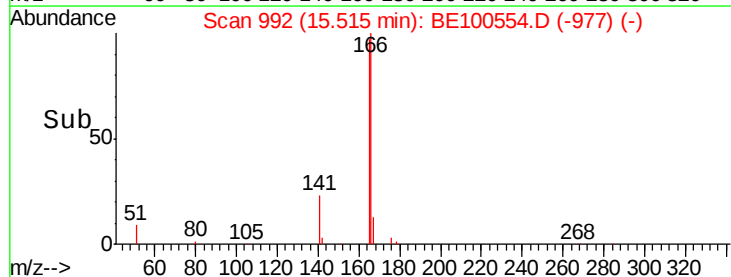
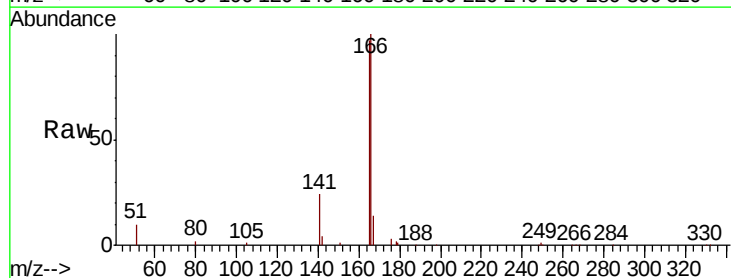
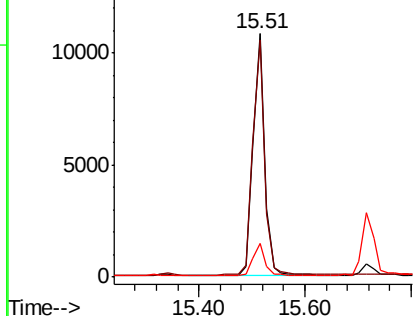
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.1	120.1
167	13.7	10.9	16.3

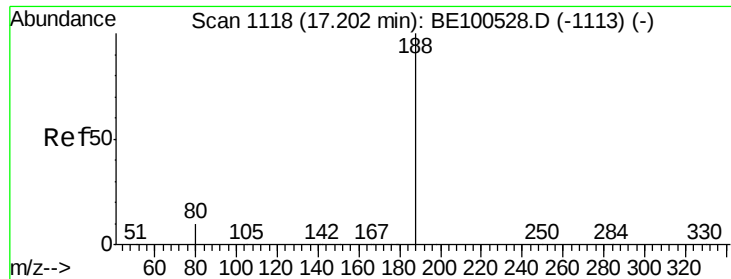
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





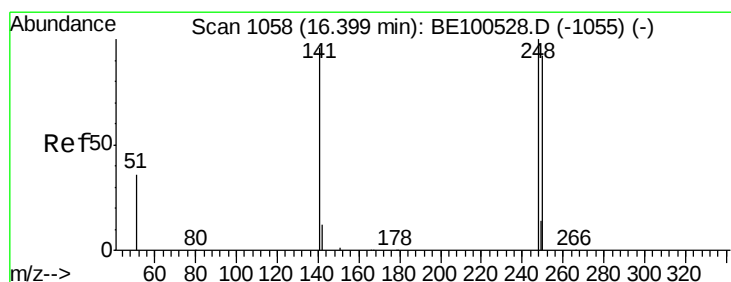
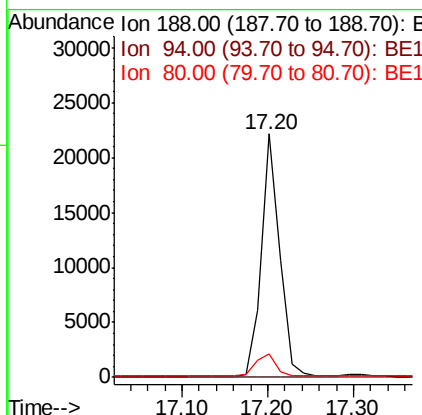
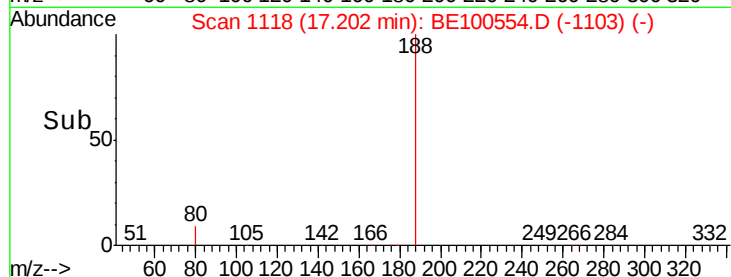
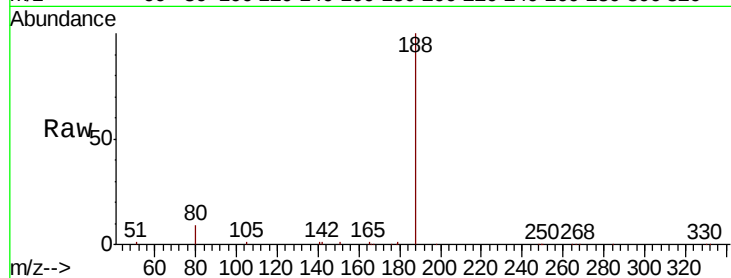
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion:	188	Resp:	32704
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.4	8.0	12.0

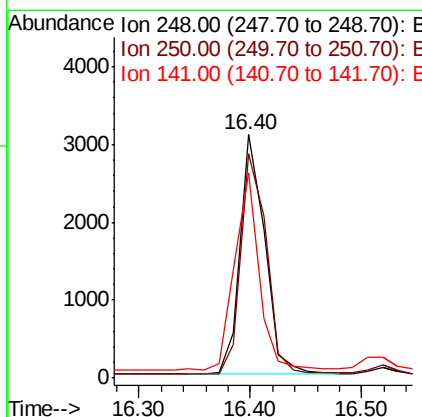
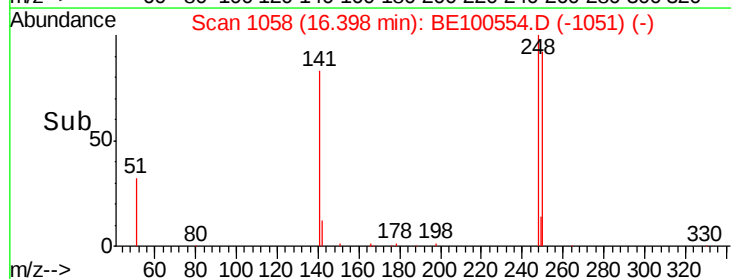
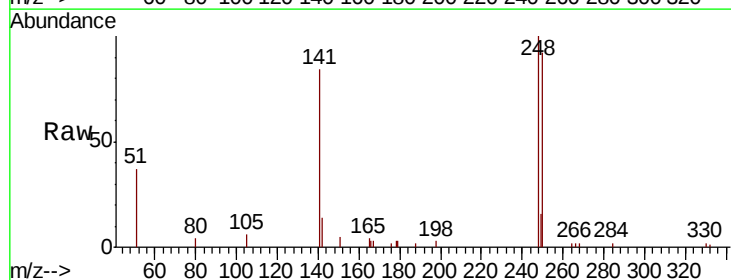
Manual Integrations
APPROVED

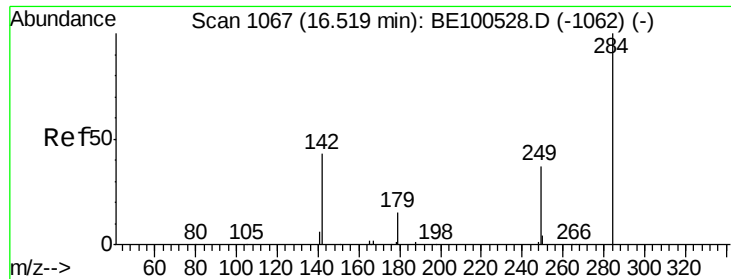
mohammad
9/26/2019 3:55:35 PM



#20
4-Bromophenyl-phenylether
Concen: 0.309 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Tgt Ion:	248	Resp:	4755
Ion Ratio	Lower	Upper	
248	100		
250	92.1	73.5	110.3
141	84.5	77.0	115.4





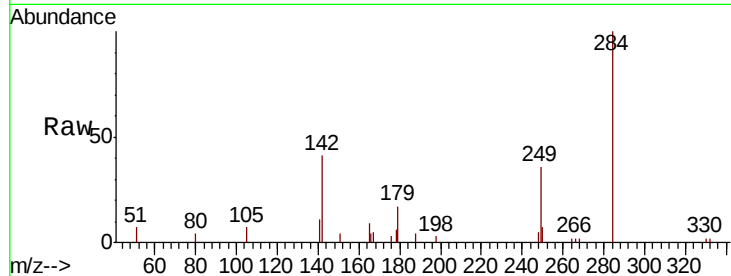
#21
Hexachlorobenzene
Concen: 0.272 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
284	100		
142	48.8	39.0	58.6
249	34.2	28.2	42.2

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

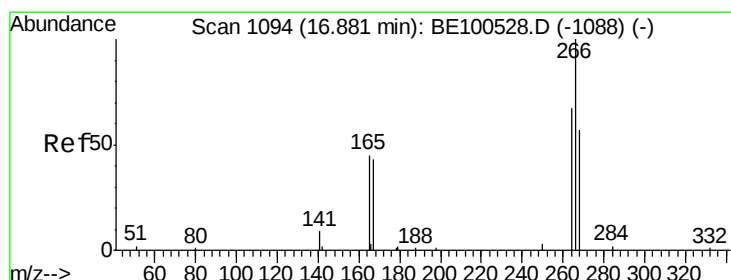
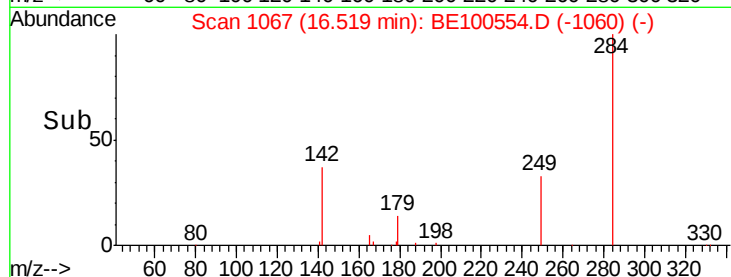
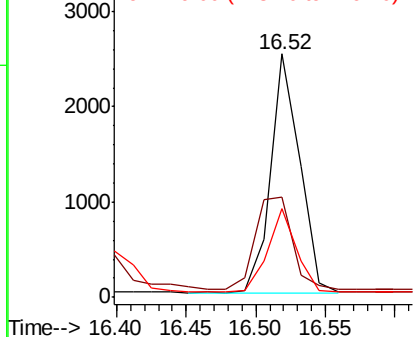


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22
Pentachlorophenol
Concen: 0.293 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.03 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

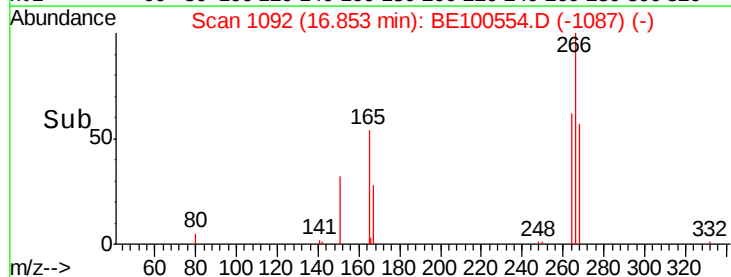
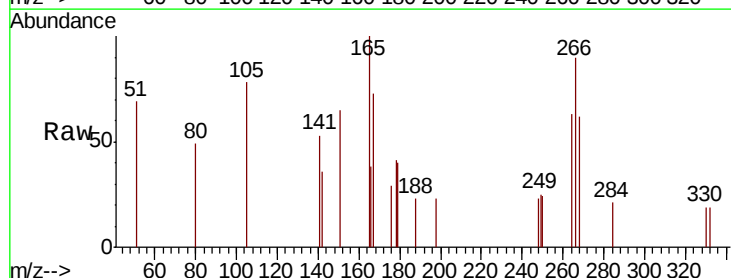
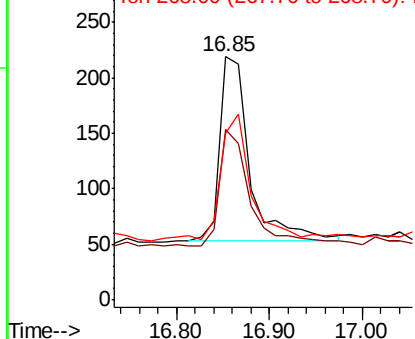
Tgt Ion	Ratio	Lower	Upper
266	100		
264	69.9	57.6	86.4
268	68.5	55.1	82.7

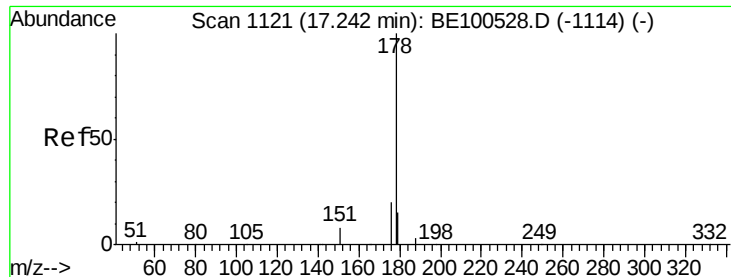
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





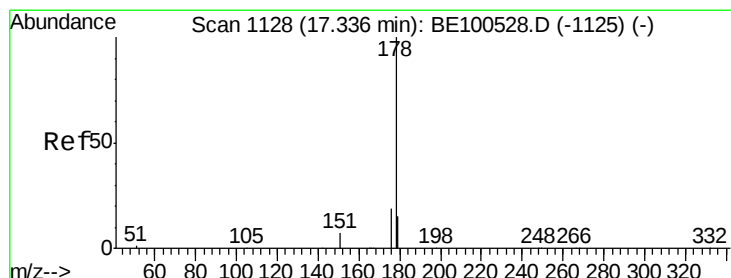
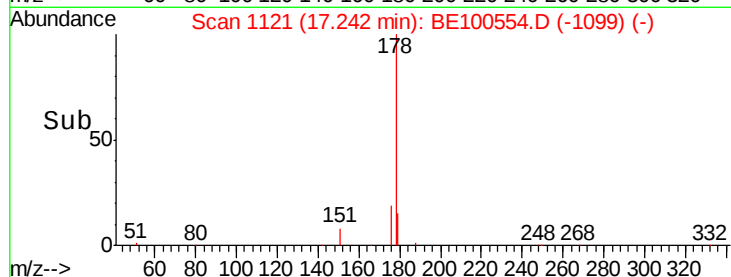
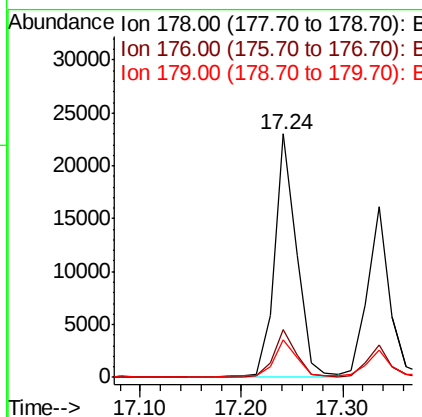
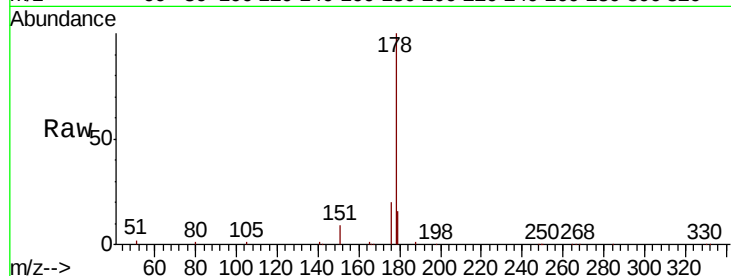
#23
Phenanthrene
Concen: 0.372 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.6	18.8

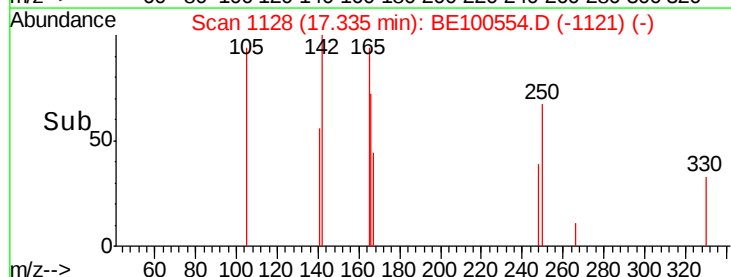
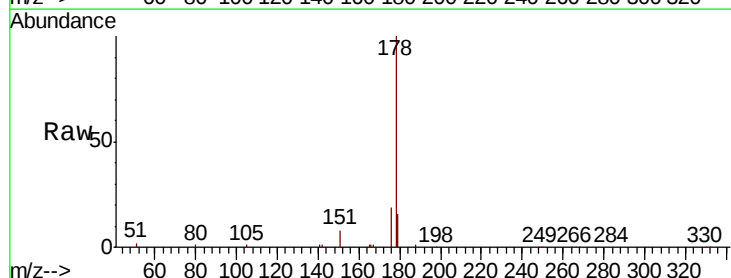
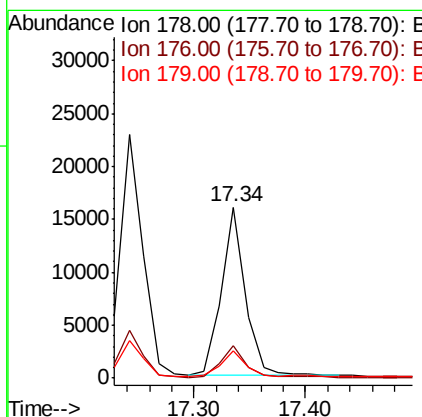
Manual Integrations
APPROVED

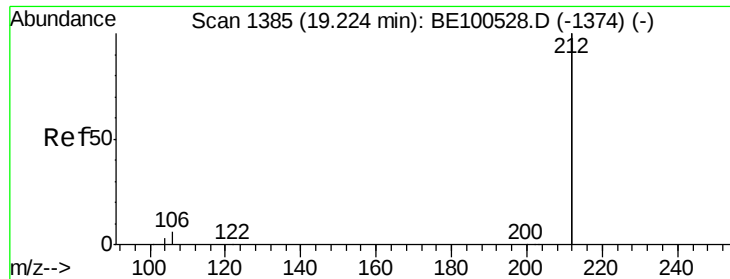
mohammad
9/26/2019 3:55:35 PM



#24
Anthracene
Concen: 0.309 ng
RT: 17.34 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.2	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.281 ng

RT: 19.23 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

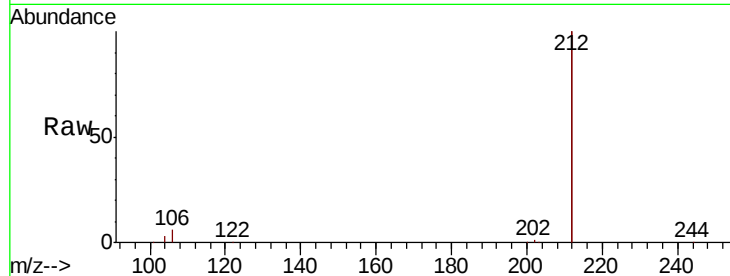
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion	Ratio	Resp	Lower	Upper
212	100	109143		
106	3.0		2.3	3.5
104	1.7		1.3	1.9

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

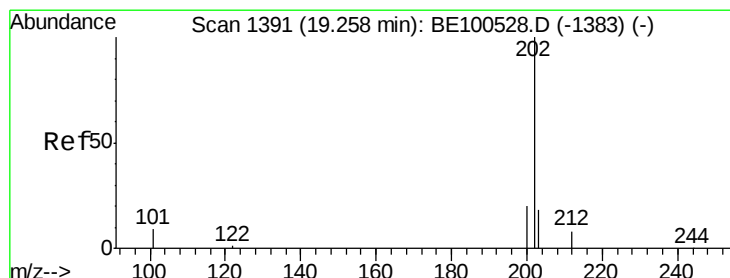
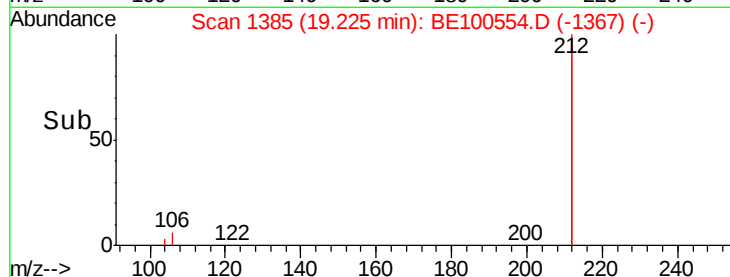
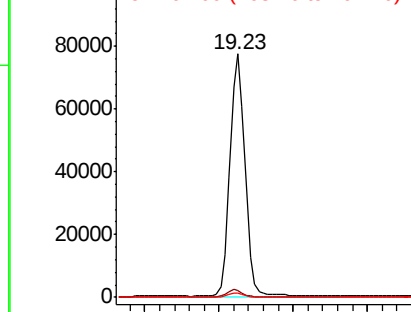


Abundance

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: 0.513 ng

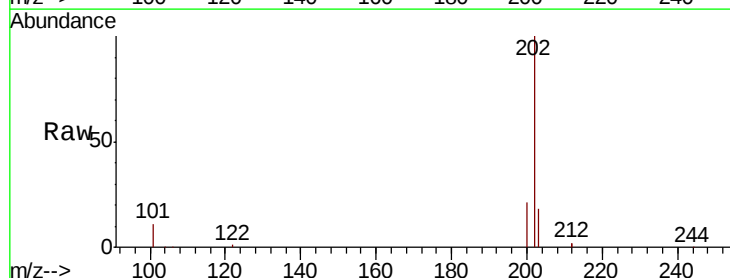
RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	56335		
101	10.9		8.8	13.2
203	17.3		13.7	20.5

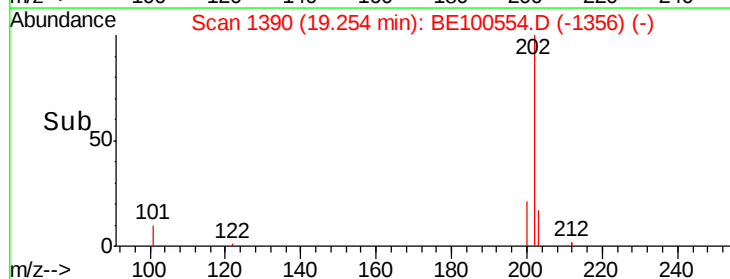
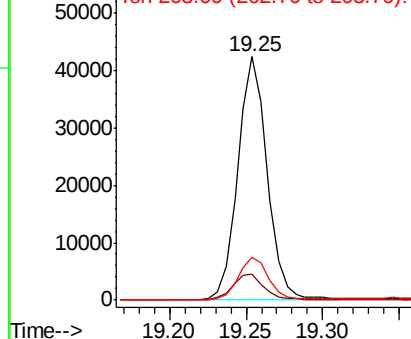


Abundance

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





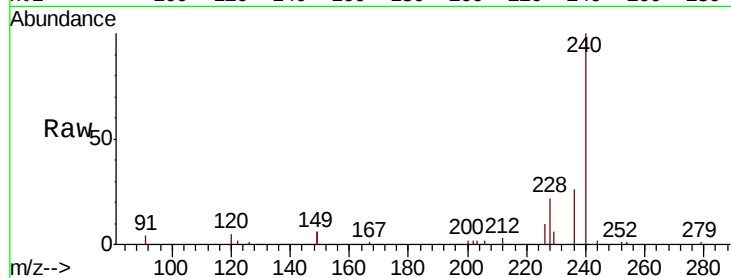
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.1	4.5	6.7
236	25.9	20.6	30.8

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

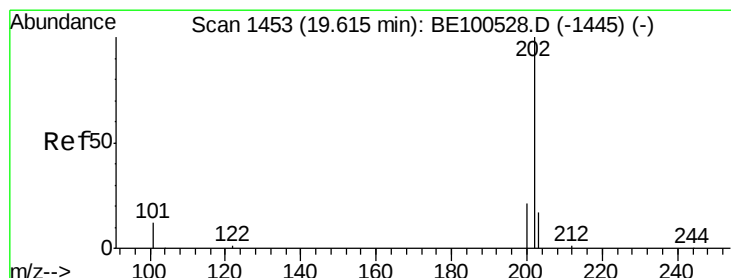
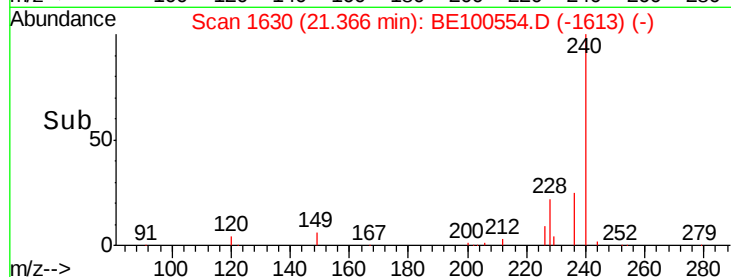
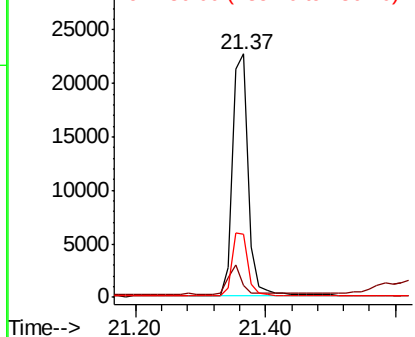


Abundance

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: 0.532 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

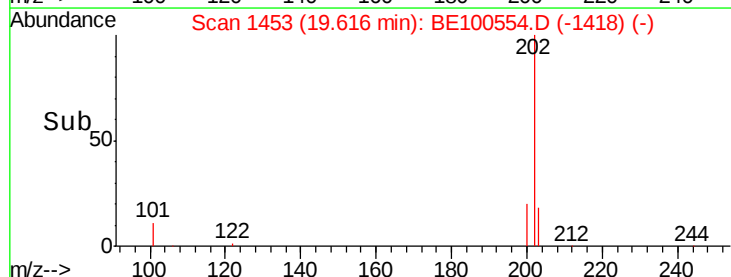
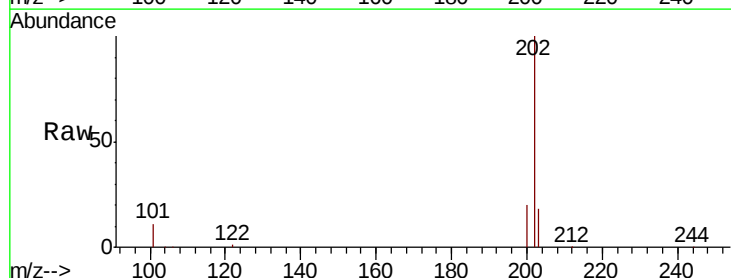
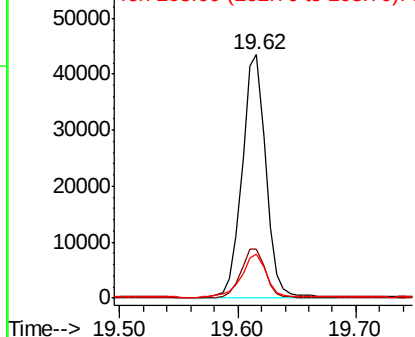
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.9	14.0	21.0

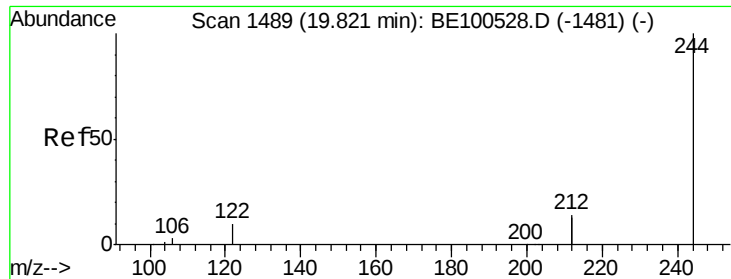
Abundance

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: 0.264 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

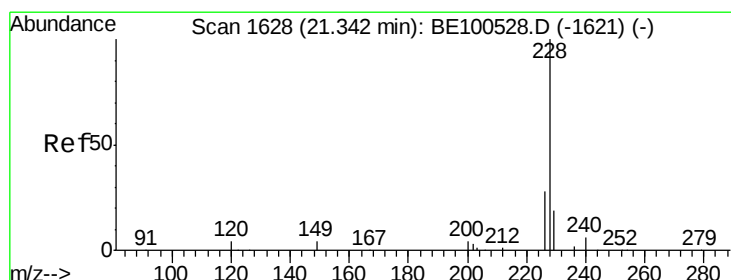
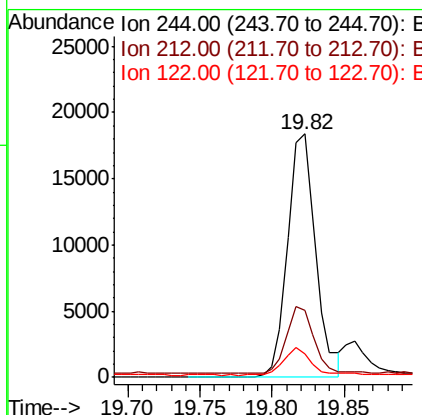
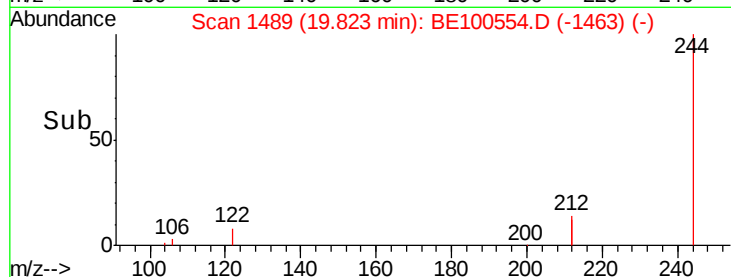
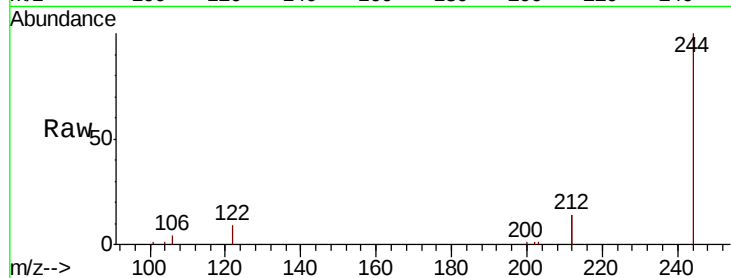
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion:	244	Resp:	24630
Ion Ratio	Lower	Upper	
244	100		
212	27.7	22.2	33.2
122	9.5	8.3	12.5

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#30

Benzo(a)anthracene

Concen: 0.551 ng

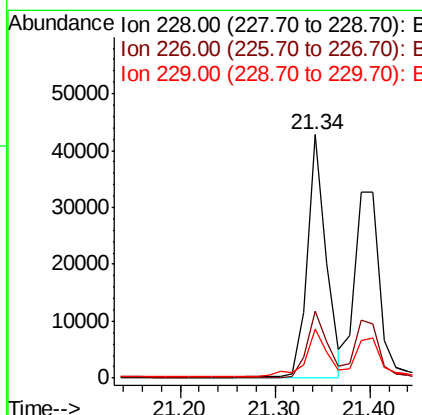
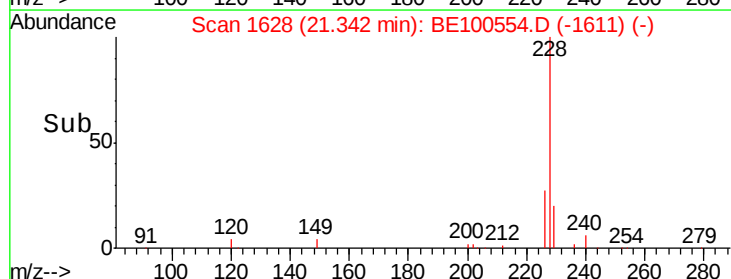
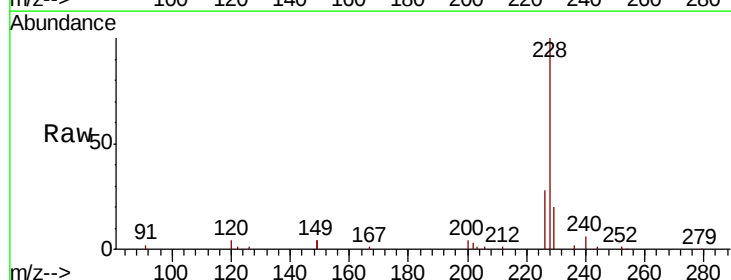
RT: 21.34 min Scan# 1628

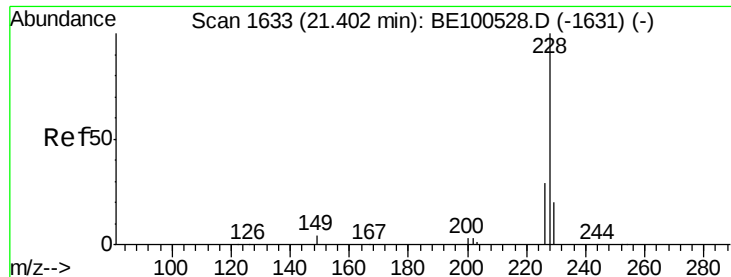
Delta R.T. 0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion:	228	Resp:	57973
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.5	33.7
229	20.4	15.4	23.2





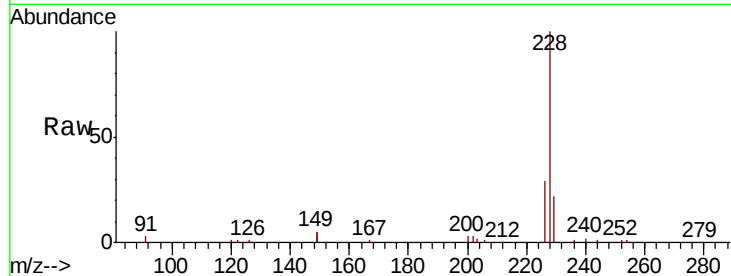
#31
 Chrysene
 Concen: 0.486 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE100554.D
 Acq: 25 Sep 2019 12:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.3	34.9
229	21.6	16.3	24.5

Manual Integrations
 APPROVED

mohammad
 9/26/2019 3:55:35 PM

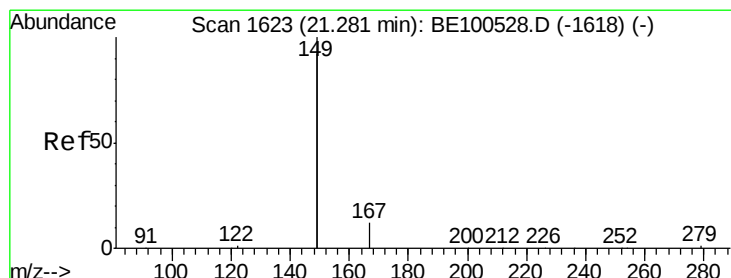
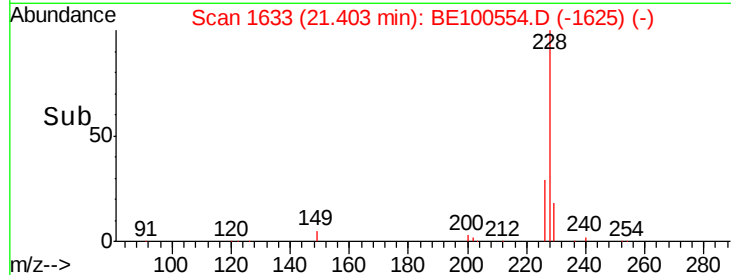
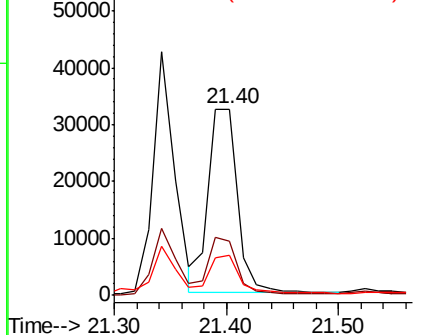


Abundance

Ion 228.00 (227.70 to 228.70): E

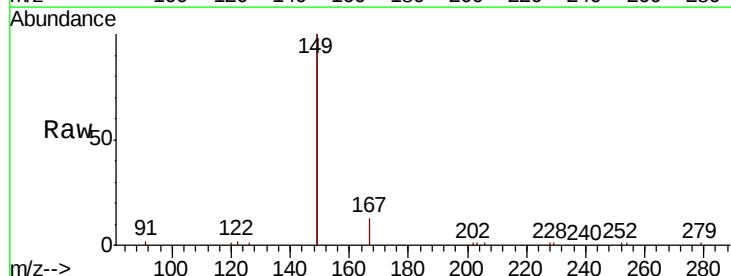
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.838 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE100554.D
 Acq: 25 Sep 2019 12:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.2	7.8
279	1.1	1.0	1.4

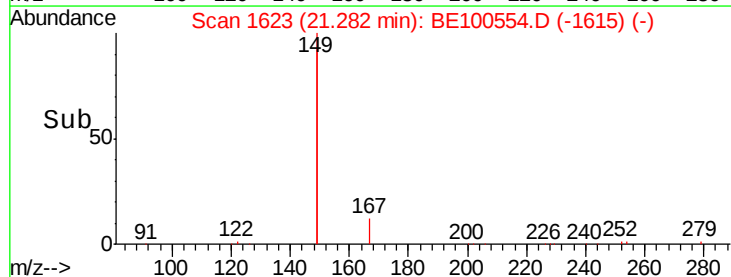
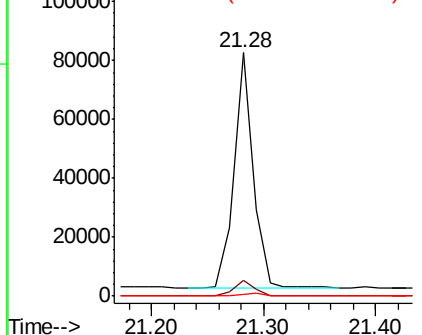


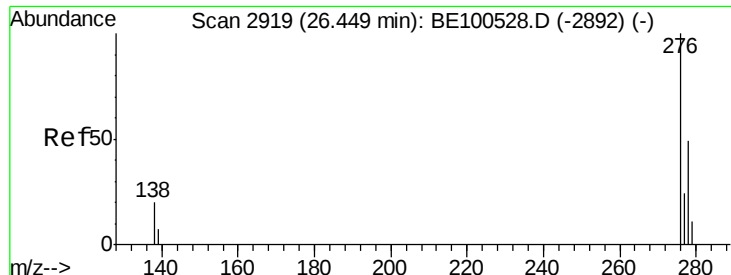
Abundance

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





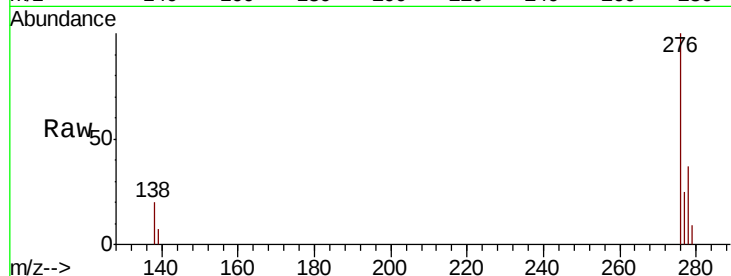
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.502 ng
RT: 26.44 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

Instrument :
BNA_E
ClientSampleId :
EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.7	26.5
277	23.9	19.9	29.9

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM

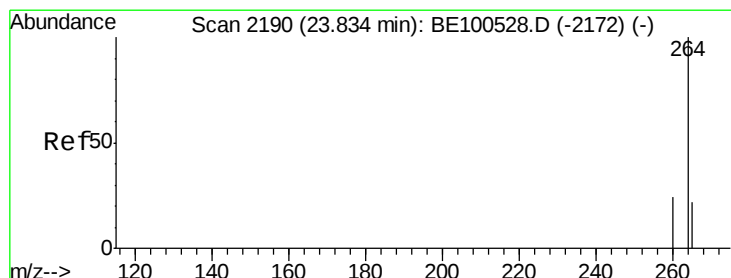
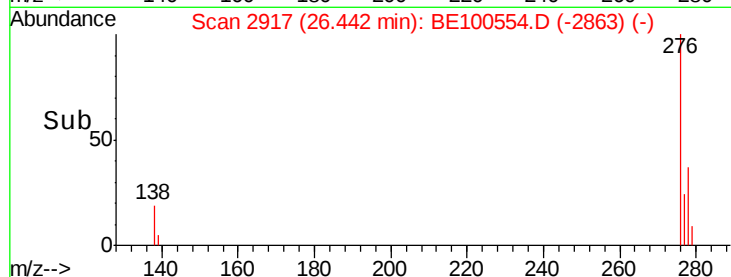
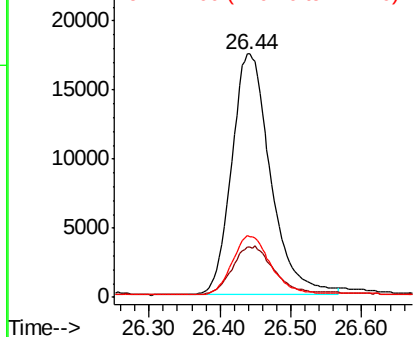


Abundance

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: 23.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BE100554.D
Acq: 25 Sep 2019 12:39

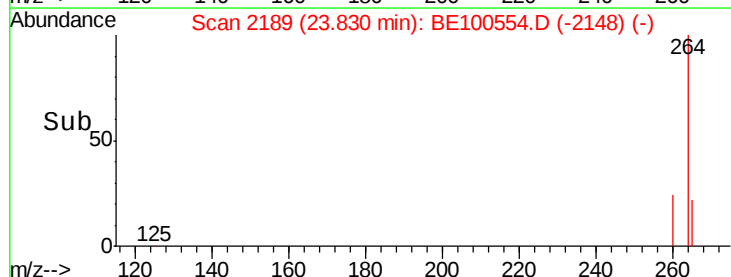
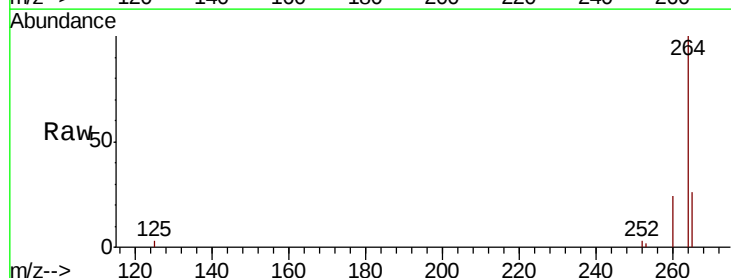
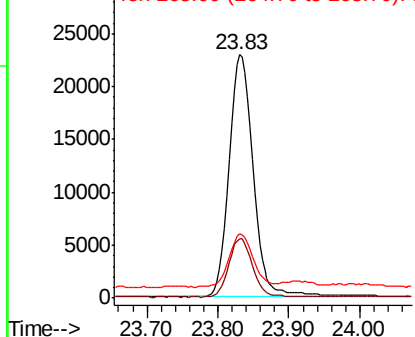
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	26.5	21.8	32.8

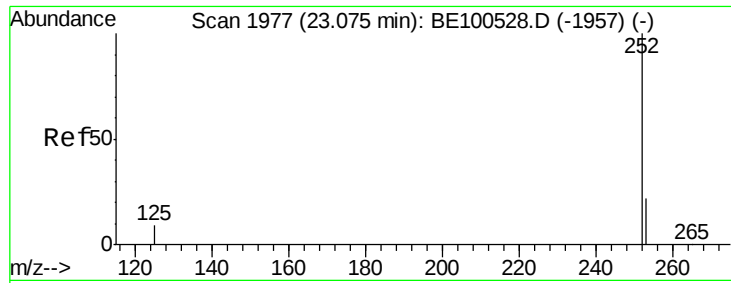
Abundance

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: 0.494 ng

RT: 23.07 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

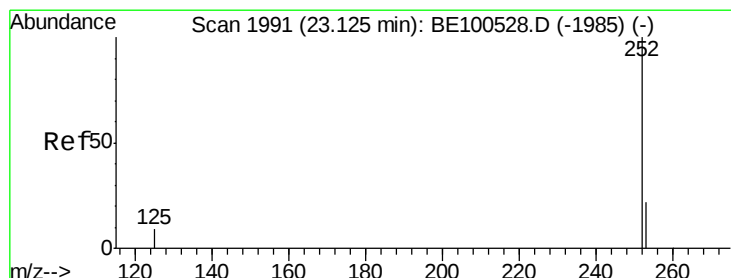
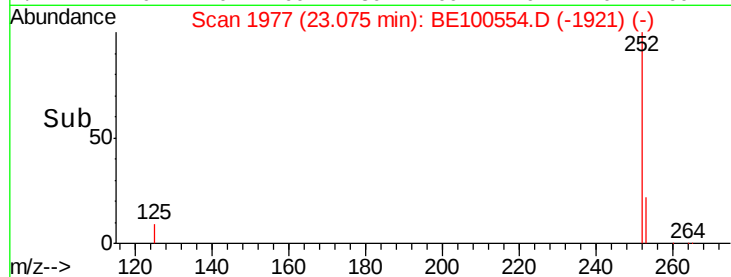
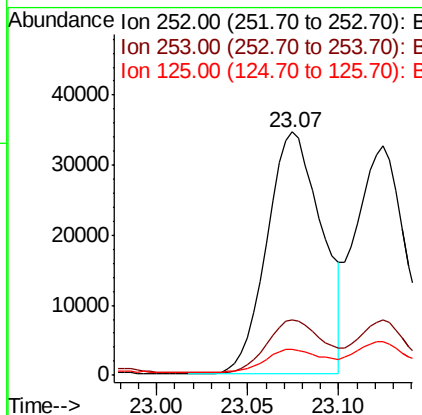
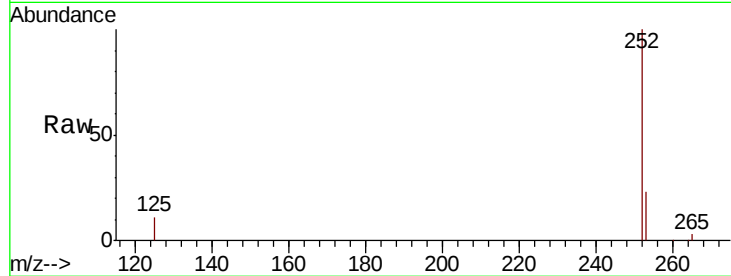
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion:	252	Resp:	72124
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	10.8	8.0	12.0

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#36

Benzo(k)fluoranthene

Concen: 0.374 ng m

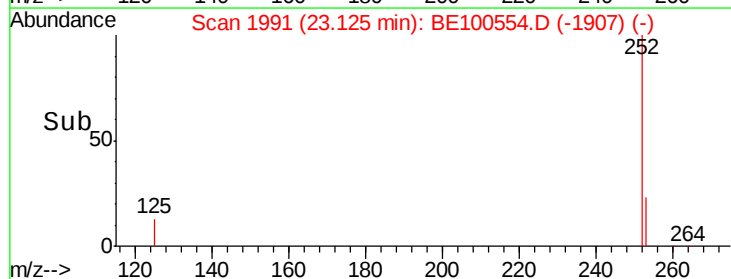
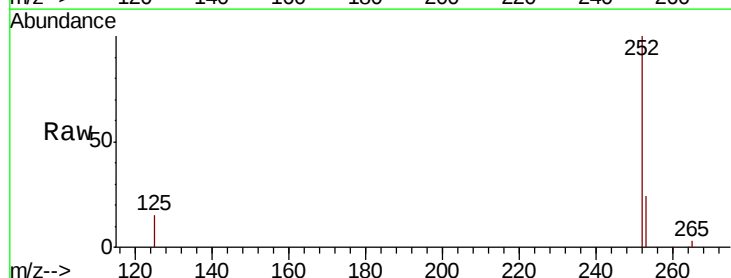
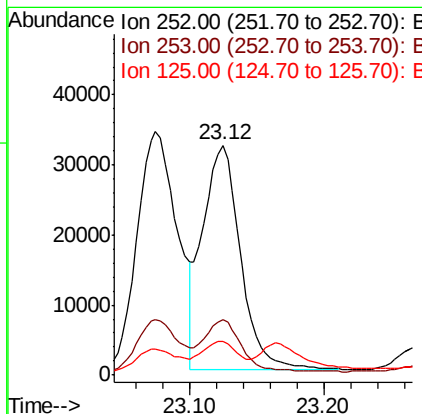
RT: 23.12 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion:	252	Resp:	63222
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.9	26.9
125	14.9	8.5	12.7#





#37

Benzo(a)pyrene

Concen: 0.482 ng

RT: 23.72 min Scan# 2159

Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Instrument :

BNA_E

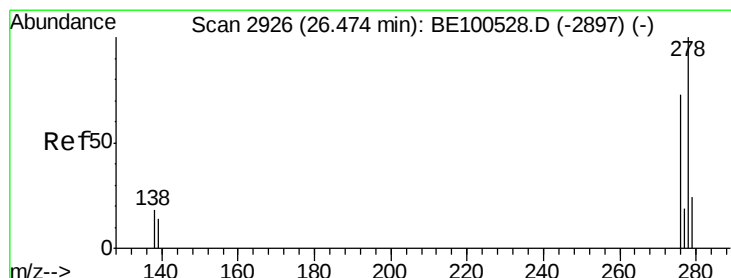
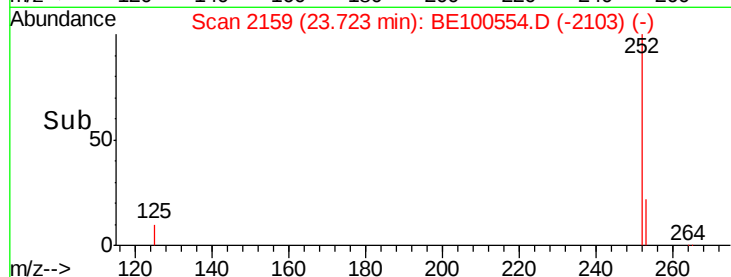
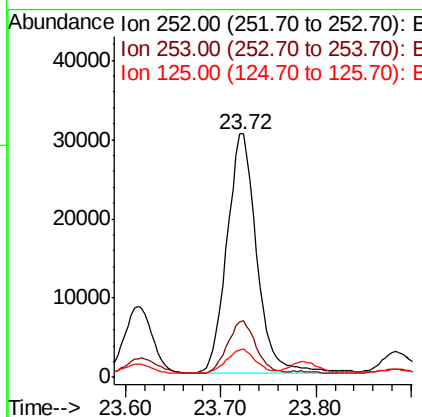
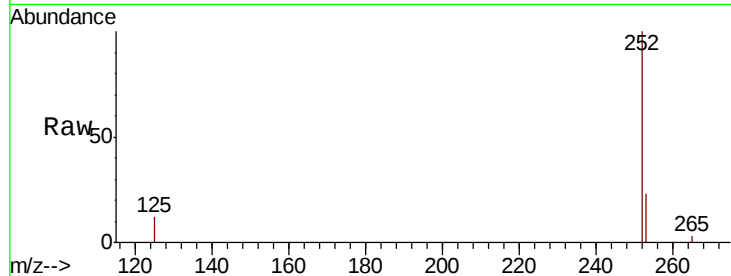
ClientSampleId :

EXT-SW177-091819-1MS

Tot Ion:	252	Resp:	65688
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.1	27.1
125	11.6	9.2	13.8

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:35 PM



#38

Dibenzo(a,h)anthracene

Concen: 0.312 ng

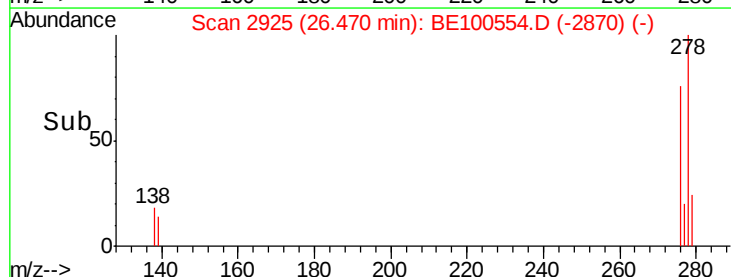
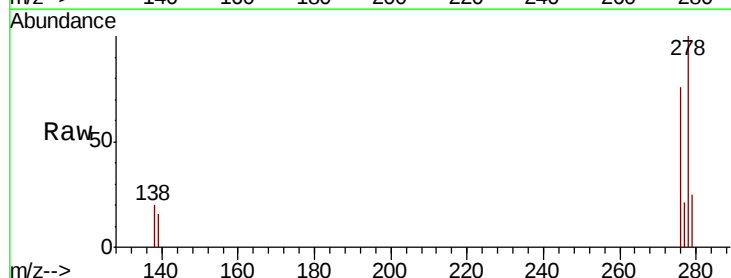
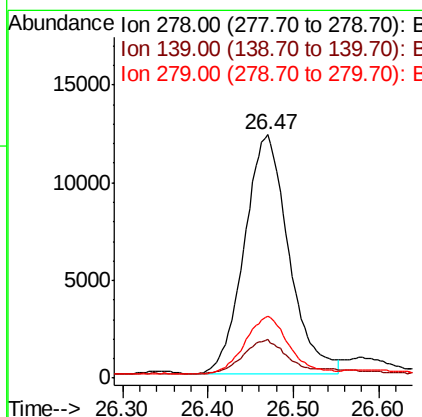
RT: 26.47 min Scan# 2925

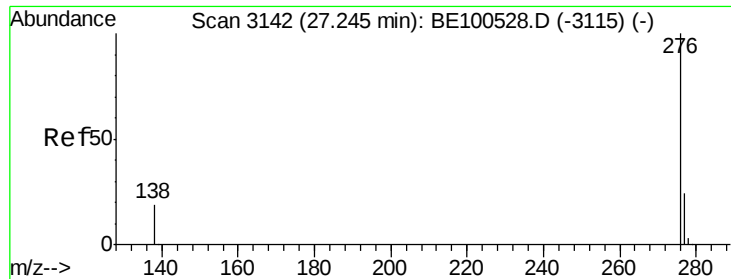
Delta R.T. -0.00 min

Lab File: BE100554.D

Acq: 25 Sep 2019 12:39

Tgt Ion:	278	Resp:	44316
Ion Ratio	Lower	Upper	
278	100		
139	15.7	11.6	17.4
279	25.3	19.7	29.5





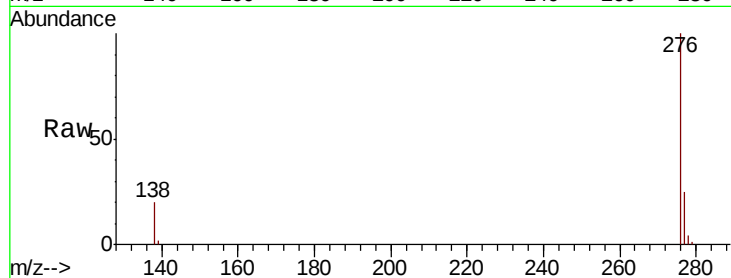
#39
 Benzo(a,h,i)perylene
 Concen: 0.403 ng
 RT: 27.24 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BE100554.D
 Acq: 25 Sep 2019 12:39

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW177-091819-1MS

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.2	28.8
138	20.3	15.7	23.5

Manual Integrations
 APPROVED

mohammad
 9/26/2019 3:55:35 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

