

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100557.D
 Acq On : 25 Sep 2019 15:26
 Operator : JU
 Sample : K4995-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW162-091819-1

Manual Integrations
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mohammad
 9/26/2019 3:55:40 PM

Quant Time: Sep 26 07:03:06 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	7649	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	34126	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	19994	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	46331	0.40	ng	0.00
27) Chrysene-d12	21.37	240	65369	0.40	ng	0.00
34) Perylene-d12	23.84	264	68866	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	6113	0.34	ng	0.00
5) Phenol-d6	7.01	99	8097	0.33	ng	-0.01
8) Nitrobenzene-d5	9.00	82	6423	0.33	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	14547	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1819	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	17464	0.24	ng	0.00
25) Fluoranthene-d10	19.23	212	179031	0.32	ng	0.00
29) Terphenyl-d14	19.82	244	41041	0.27	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.69	128	166667	0.471	ng	100
12) 2-Methylnaphthalene	12.31	142	22577	0.401	ng	98
16) Acenaphthylene	14.20	152	236449	2.872	ng	100
17) Acenaphthene	14.54	154	30090	0.541	ng	99
18) Fluorene	15.51	166	52144	0.750	ng	# 84
23) Phenanthrene	17.24	178	1718529	13.312	ng	99
24) Anthracene	17.34	178	389054	3.580	ng	96
26) Fluoranthene	19.26	202	3381044	21.718	ng	95
28) Pyrene	19.61	202	3225245	17.148	ng	# 91
30) Benzo(a)anthracene	21.35	228	2774687	15.893	ng	# 92
31) Chrysene	21.40	228	2101405	10.563	ng	93
32) Bis(2-ethylhexyl)phthalate	21.28	149	342225	1.819	ng	100
33) Indeno(1,2,3-cd)pyrene	26.46	276	1205894	5.452	ng	98
35) Benzo(b)fluoranthene	23.09	252	2925641	15.701	ng	97
36) Benzo(k)fluoranthene	23.13	252	1111573m	5.156	ng	
37) Benzo(a)pyrene	23.73	252	2063854	11.872	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	393183	2.171	ng	93
39) Benzo(a,h,i)perylene	27.26	276	1065894	5.636	ng	98

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

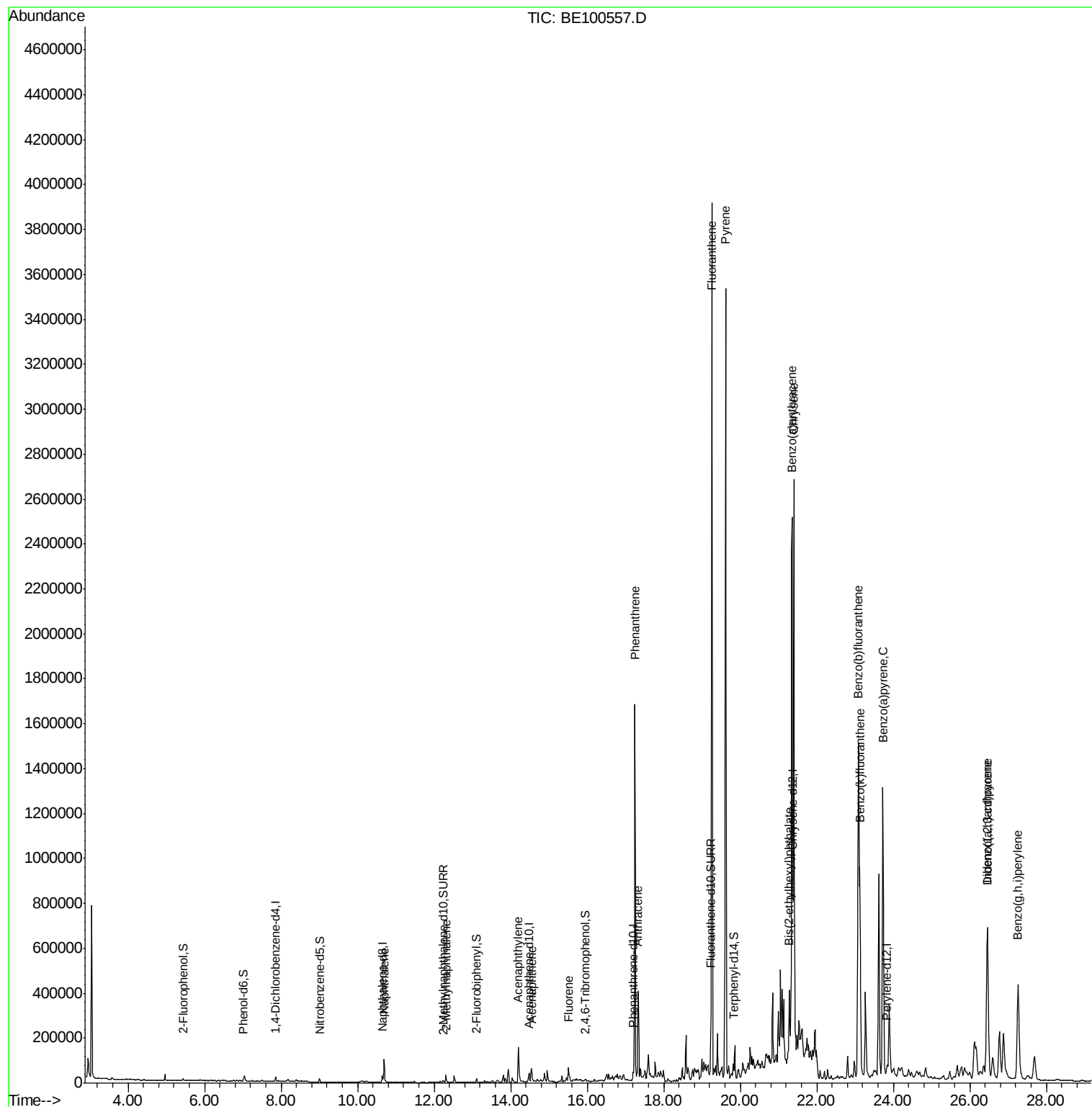
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
Data File : BE100557.D
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Operator : JU
Sample : K4995-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

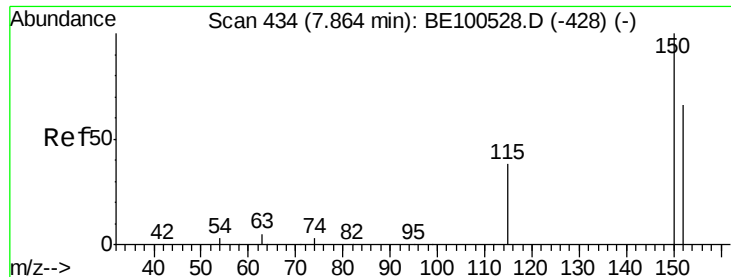
Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

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Quant Time: Sep 26 07:03:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

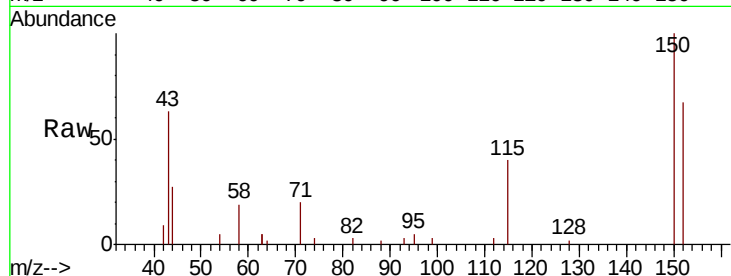
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.87 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	121.6	182.4
115	59.8	48.2	72.4

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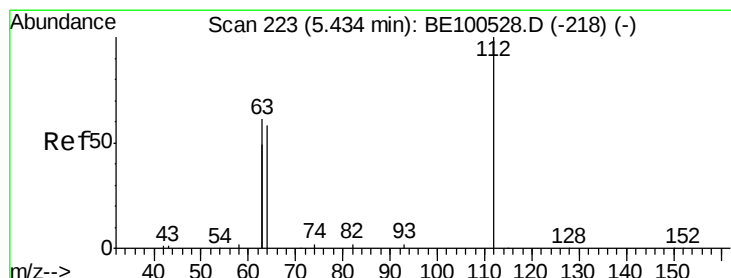
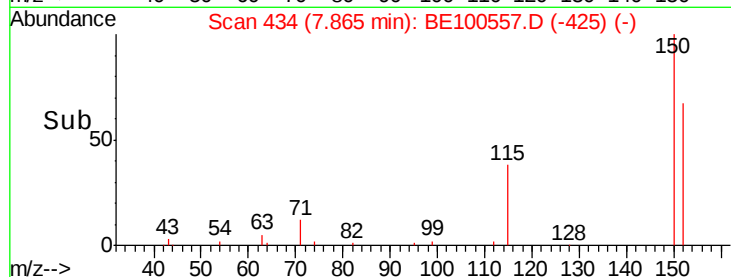
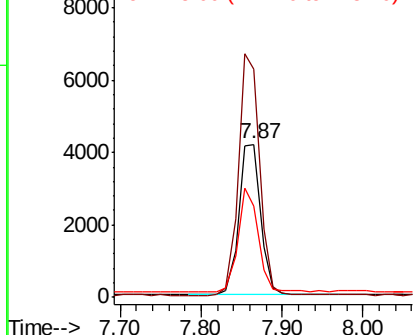


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

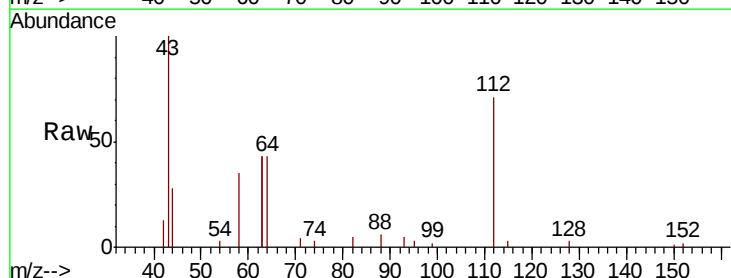
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.341 ng
RT: 5.44 min Scan# 223
Delta R.T. 0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	44.1	66.1
63	107.8	86.5	129.7

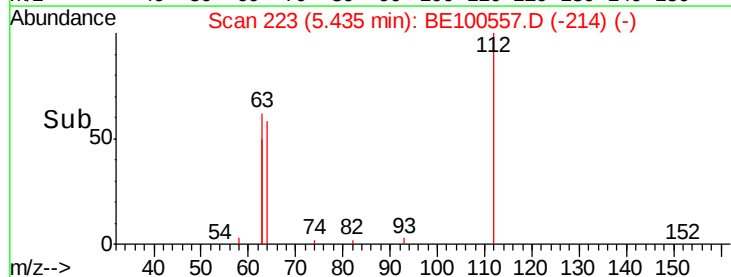
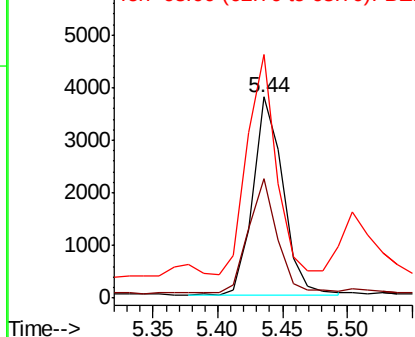


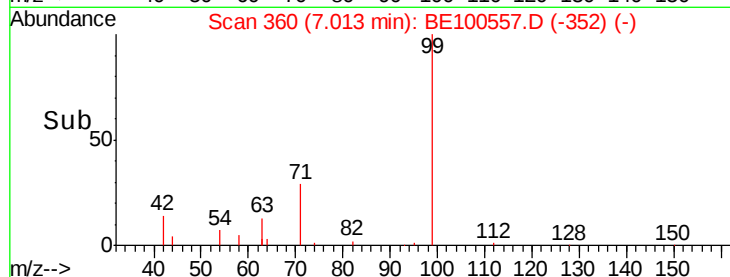
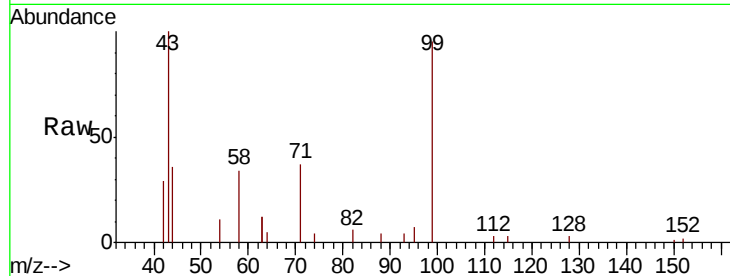
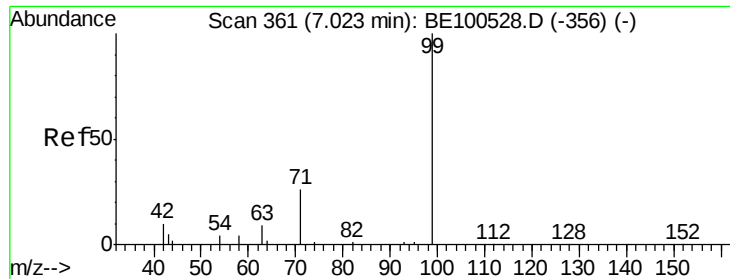
Abundance

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: 0.330 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Tot Ion:	99	Resp:	8097
Ion Ratio	Lower	Upper	
99	100		
42	26.5	13.0	19.6#
71	40.9	23.4	35.0#

Instrument :

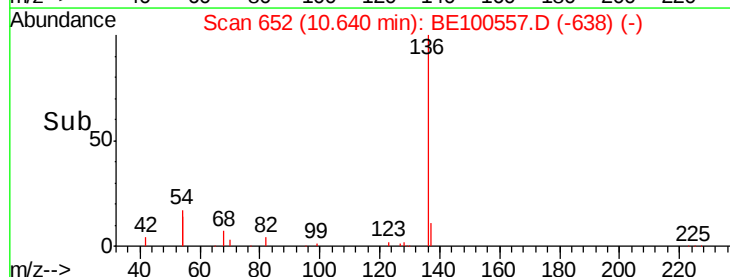
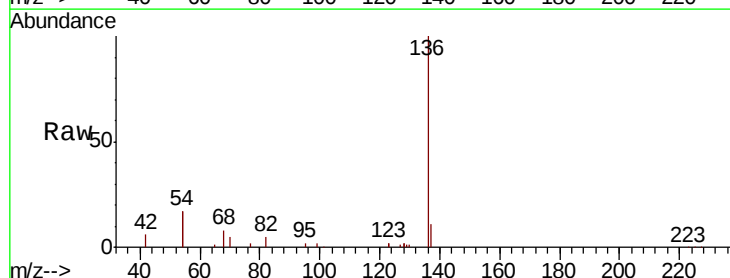
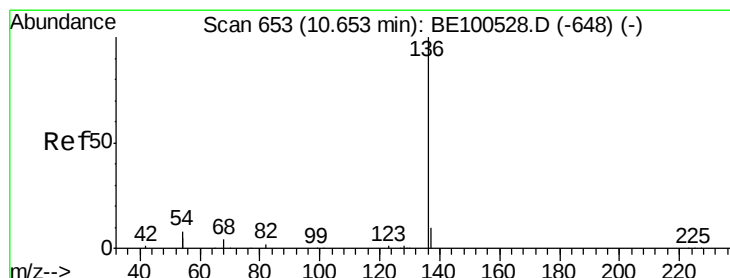
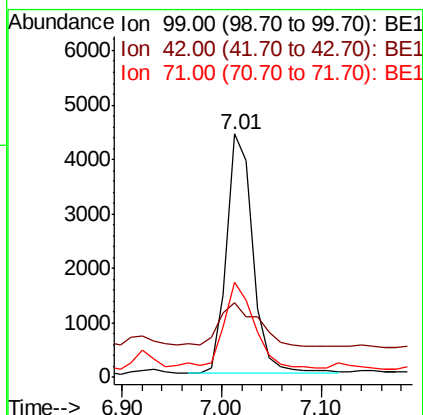
BNA_E

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

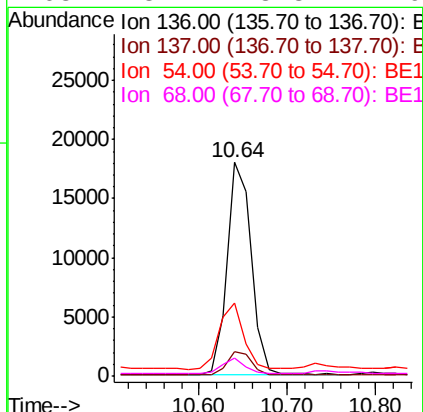
RT: 10.64 min Scan# 652

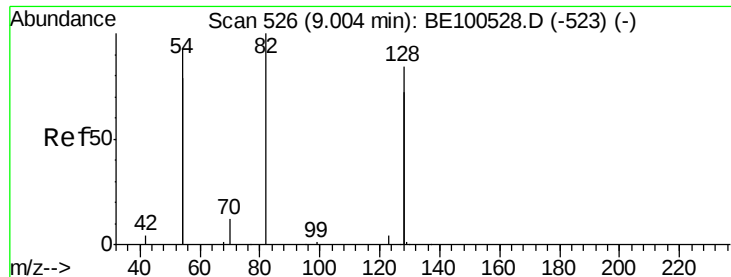
Delta R.T. -0.01 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Tgt Ion:	136	Resp:	34126
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.6	13.0
54	34.1	12.4	18.6#
68	8.1	3.3	4.9#





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Instrument :

BNA_E

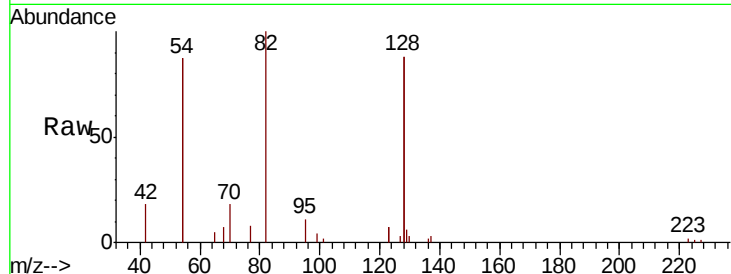
ClientSampleId :

EXT-SW162-091819-1

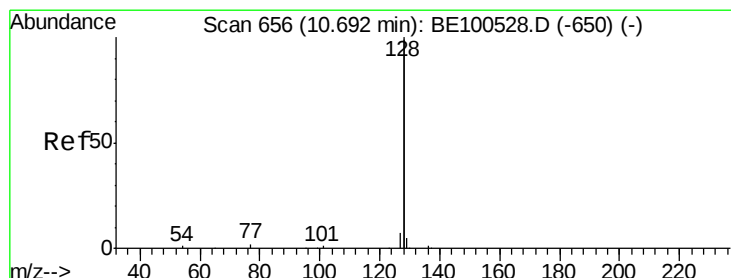
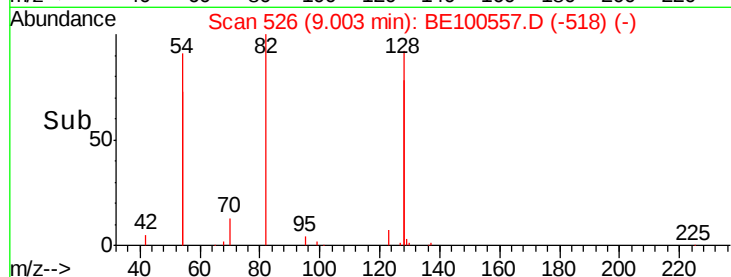
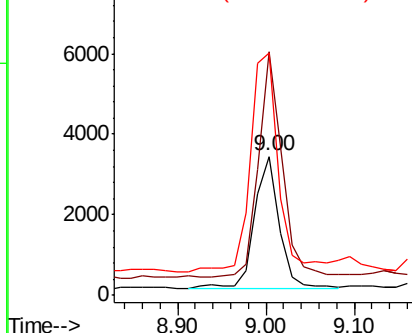
Tot Ion:	82	Resp:	6423
Ion	Ratio	Lower	Upper
82	100		
128	175.1	129.4	194.2
54	174.0	143.3	214.9

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



#9

Naphthalene

Concen: 0.471 ng

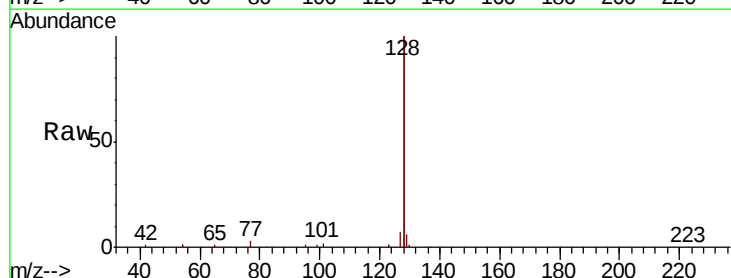
RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

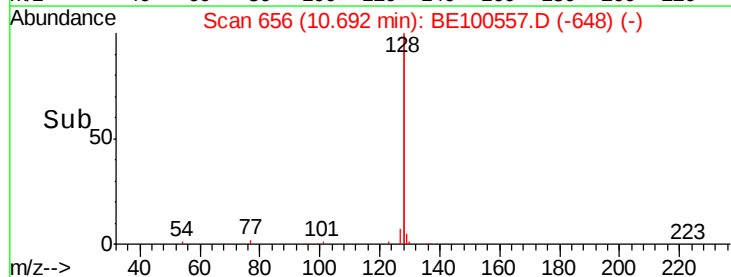
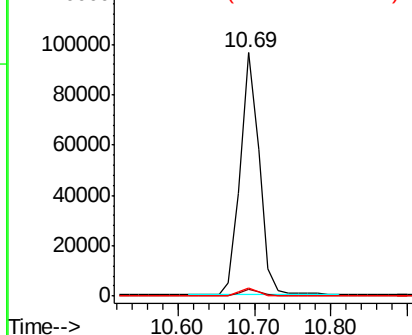
Lab File: BE100557.D

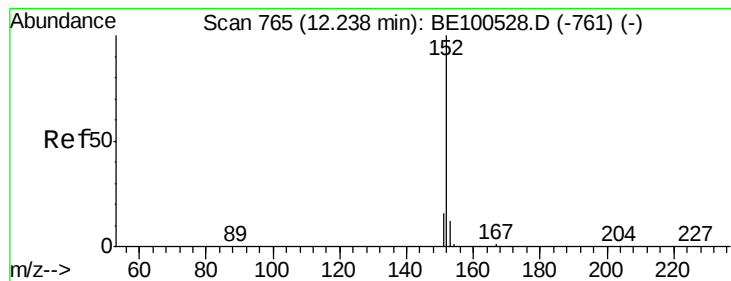
Acq: 25 Sep 2019 15:26

Tgt Ion:	128	Resp:	166667
Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.4	2.7	4.1



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





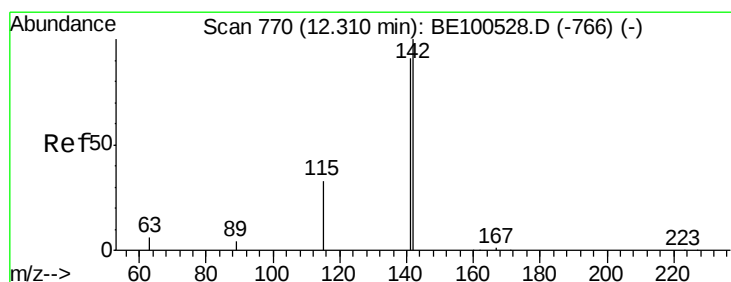
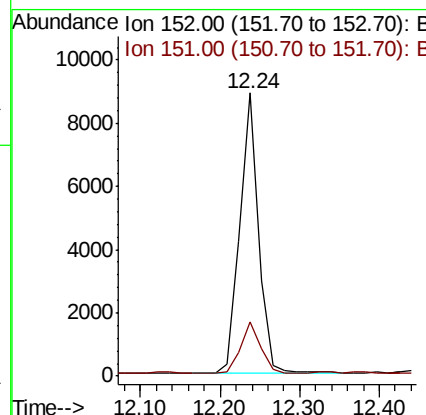
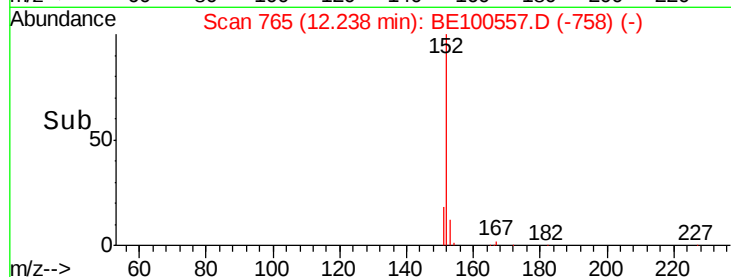
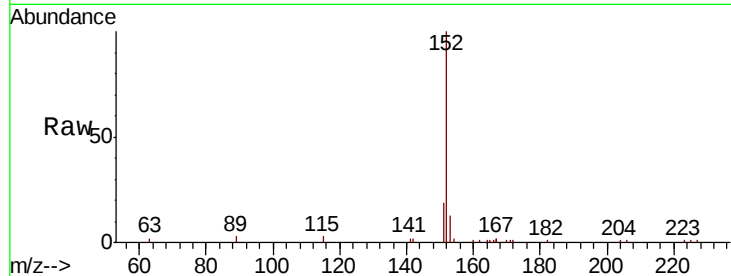
#11
 2-Methylnaphthalene-d10
 Concen: 0.285 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE100557.D
 Acq: 25 Sep 2019 15:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.3	22.9

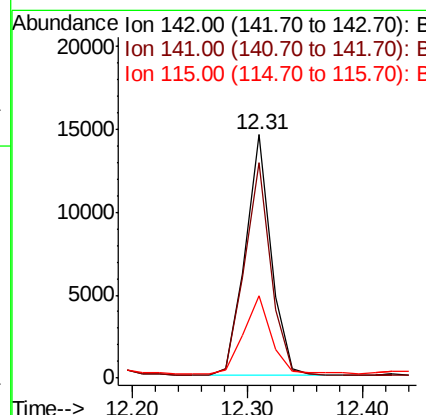
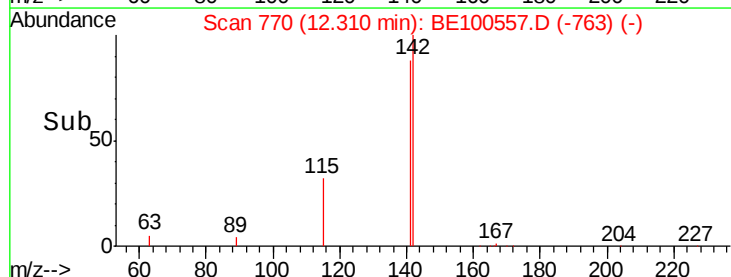
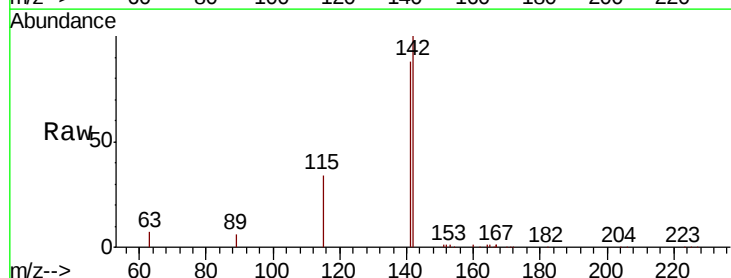
Manual Integrations
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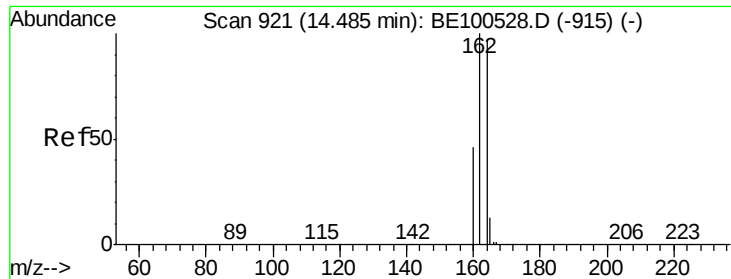
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#12
 2-Methylnaphthalene
 Concen: 0.401 ng
 RT: 12.31 min Scan# 770
 Delta R.T. -0.00 min
 Lab File: BE100557.D
 Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.5	108.7
115	33.6	27.2	40.8





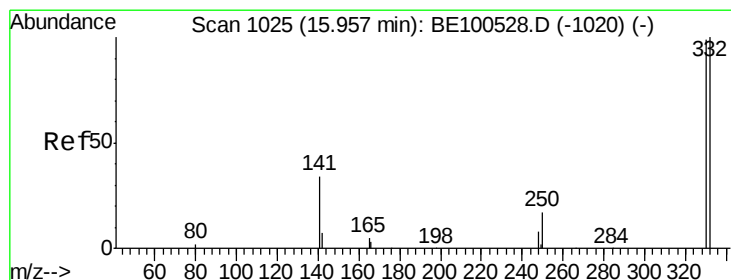
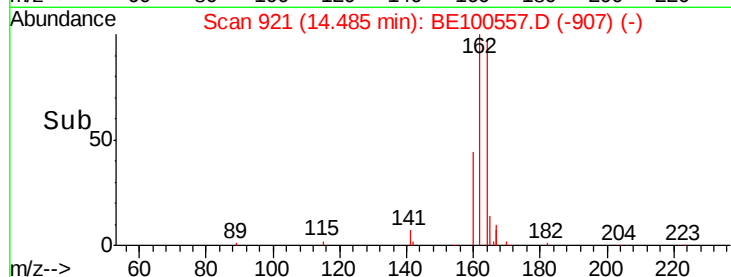
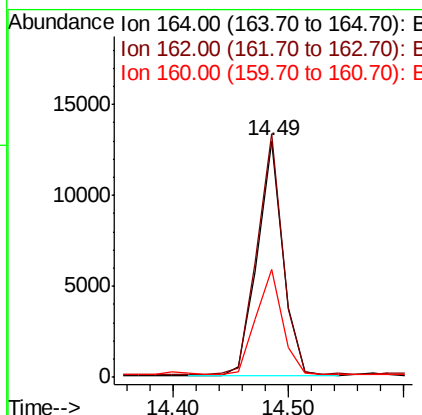
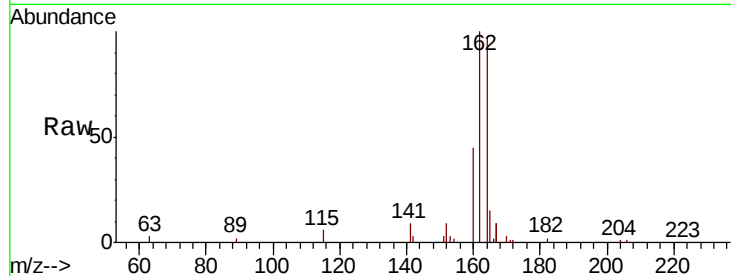
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	82.1	123.1
160	45.9	37.6	56.4

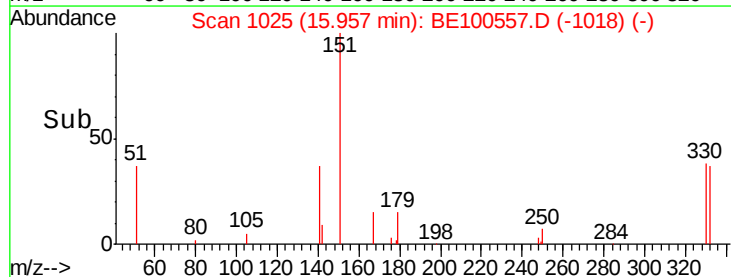
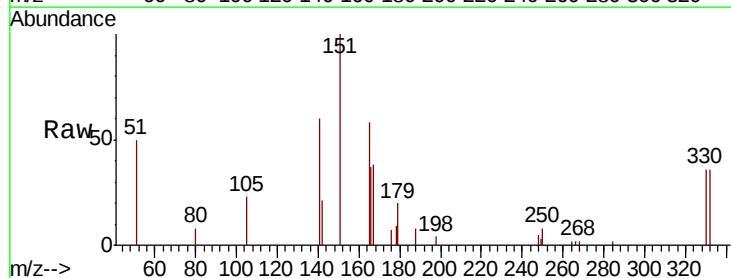
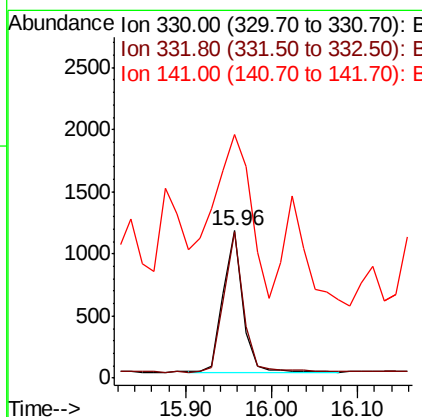
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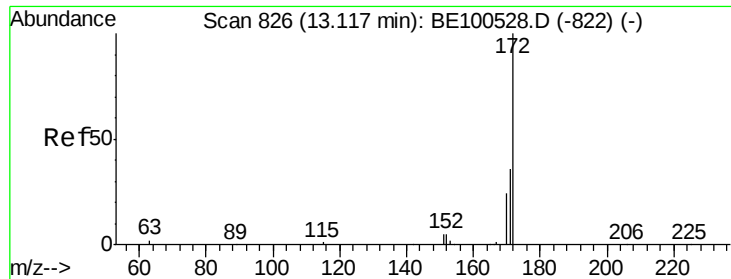
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#14
2,4,6-Tribromophenol
Concen: 0.563 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.5	75.5	113.3
141	221.2	42.3	63.5#





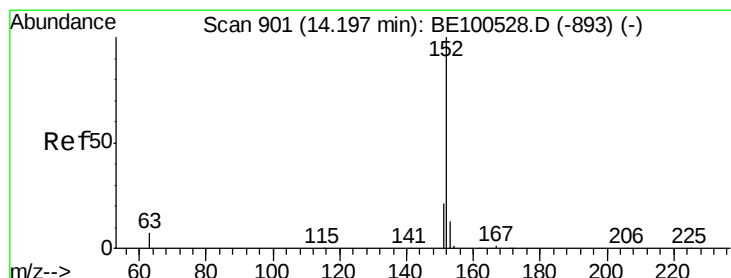
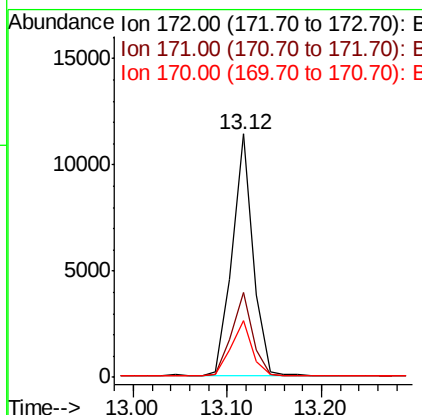
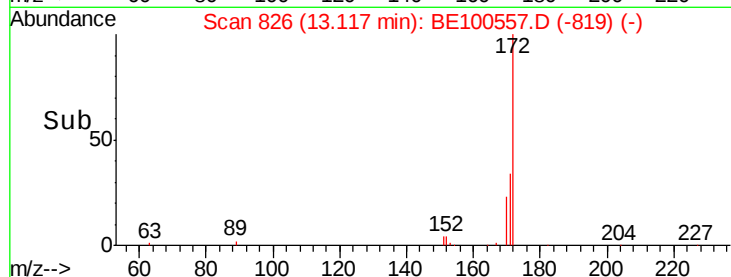
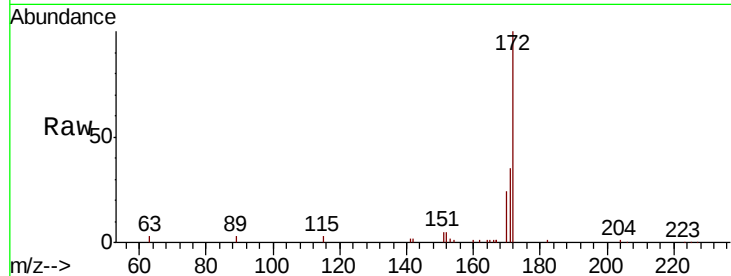
#15
2-Fluorobiphenyl
Concen: 0.245 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	23.5	19.4	29.0

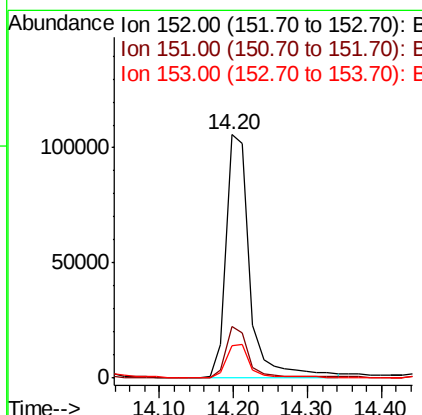
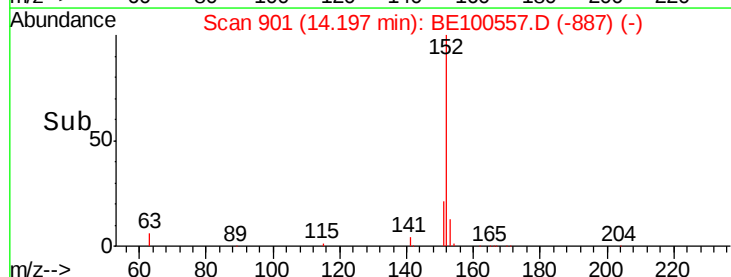
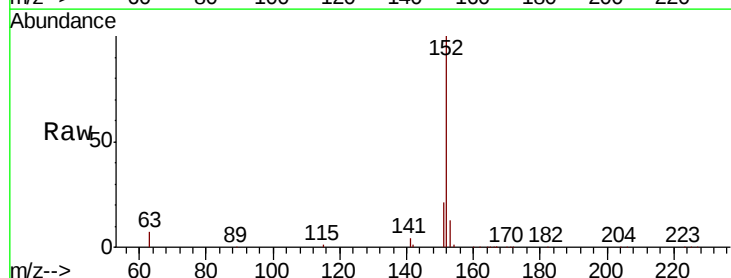
Manual Integrations
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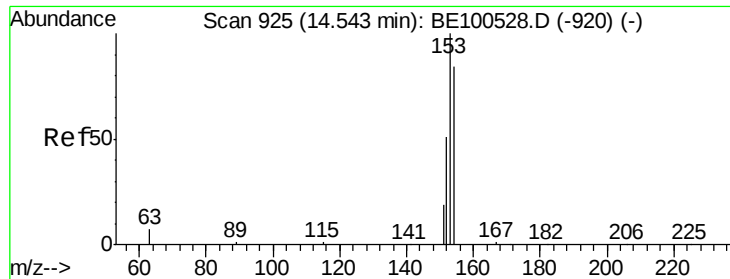
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#16
Acenaphthylene
Concen: 2.872 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.7	10.7	16.1





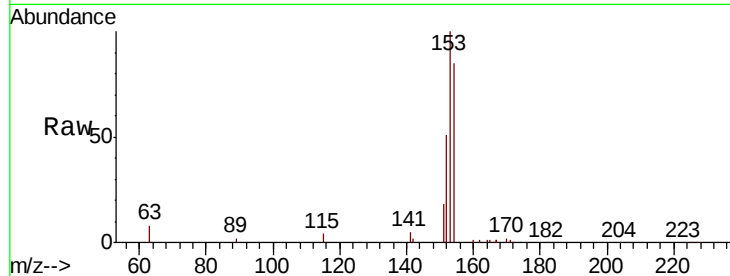
#17
Acenaphthene
Concen: 0.541 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	93.7	140.5
152	60.1	47.3	70.9

Manual Integrations
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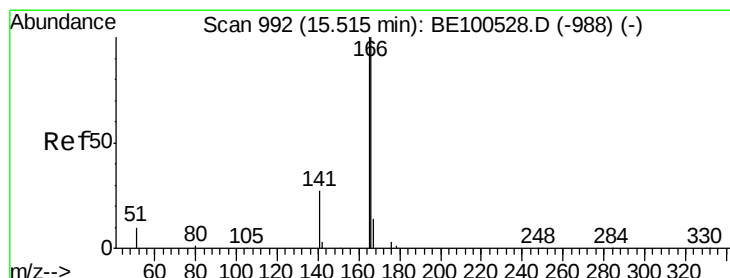
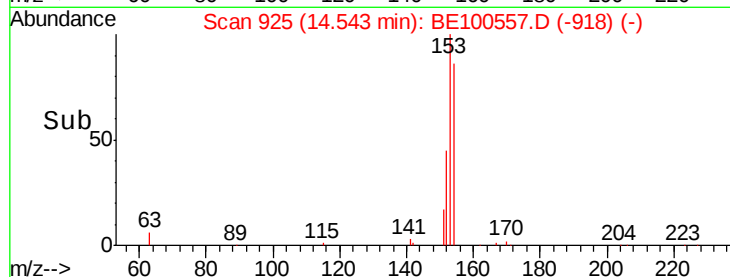
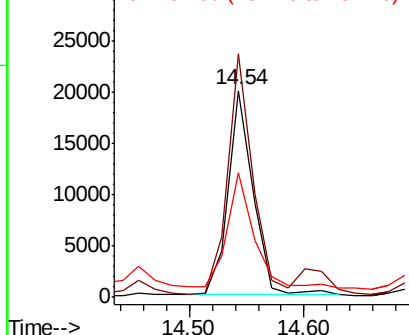


Abundance

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: 0.750 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

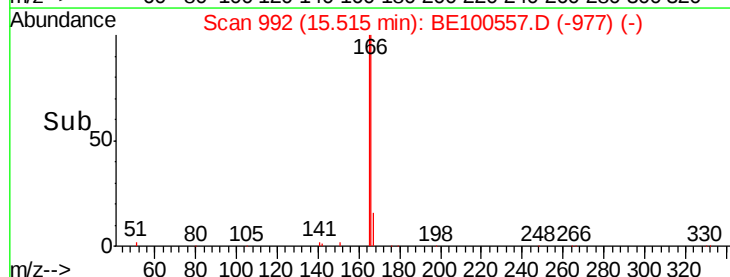
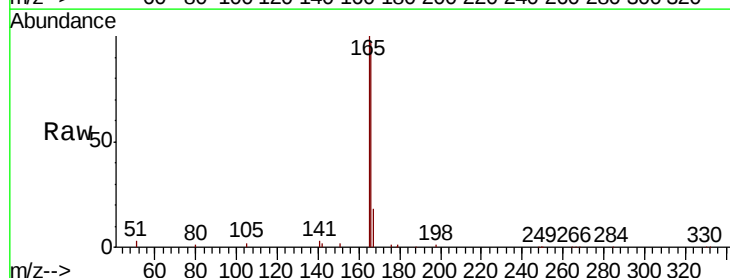
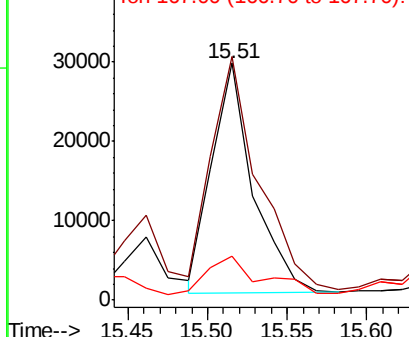
Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.0	80.1	120.1
167	23.5	10.9	16.3

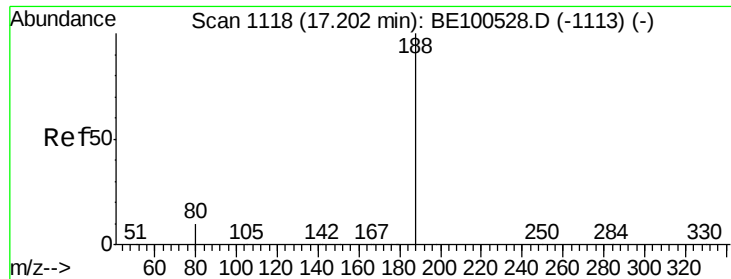
Abundance

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





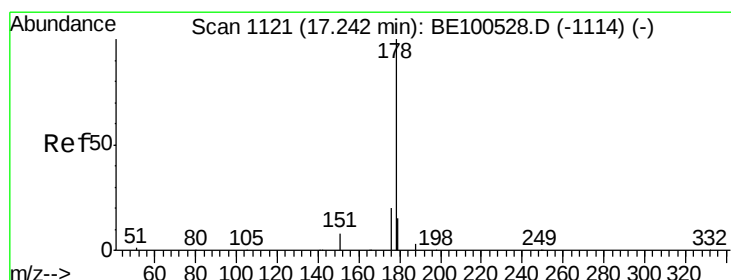
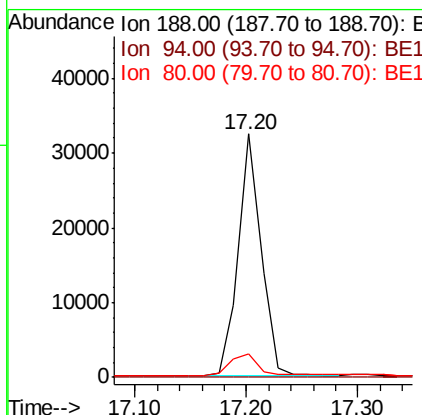
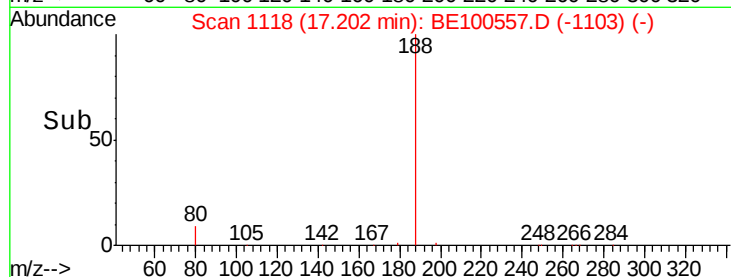
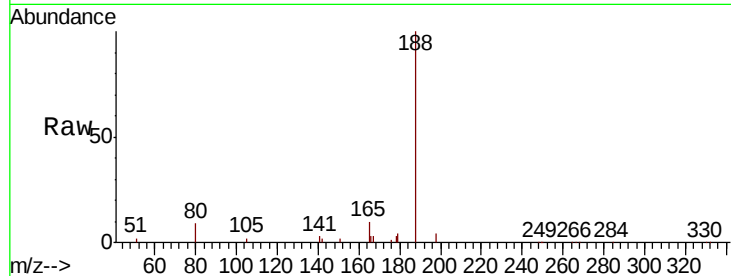
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	46331		
94	0.0	0.0	0.0	0.0
80	9.5	8.0	12.0	

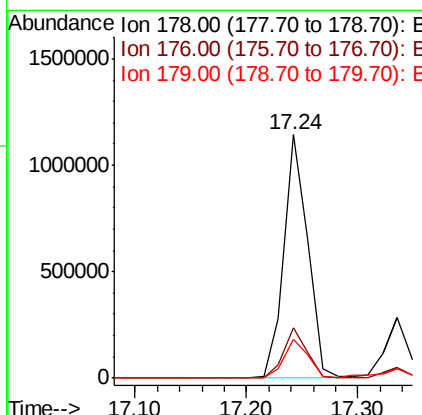
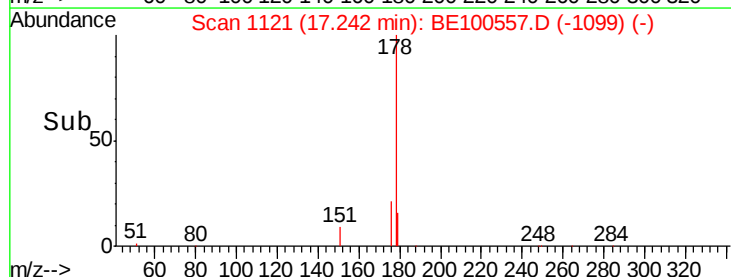
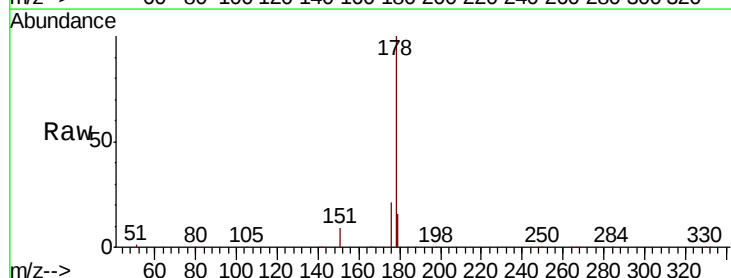
Manual Integrations
APPROVED

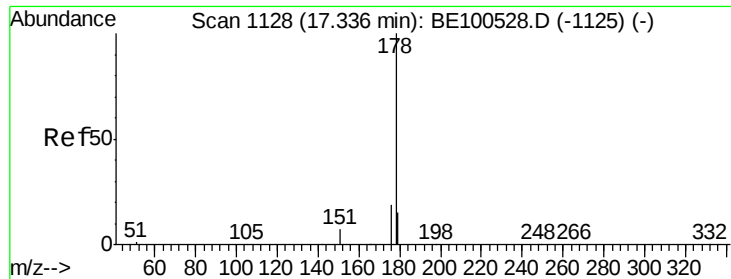
mohammad
9/26/2019 3:55:40 PM



#23
Phenanthrene
Concen: 13.312 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1718529		
176	20.1	15.4	23.2	
179	16.1	12.6	18.8	





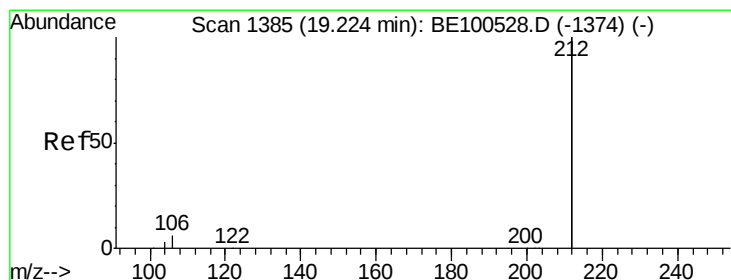
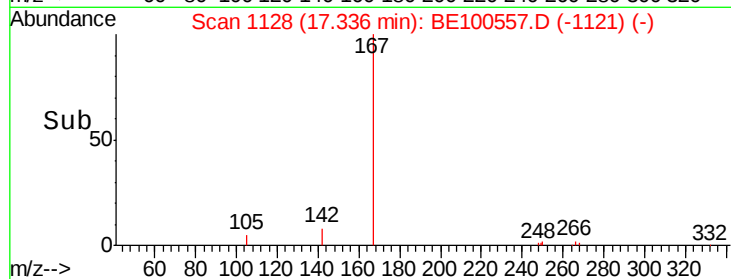
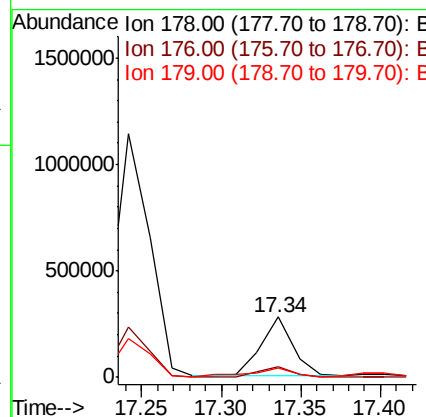
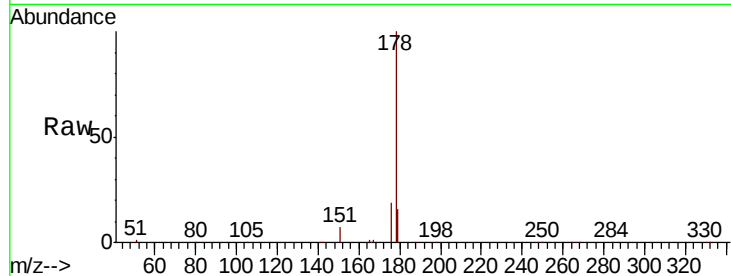
#24
 Anthracene
 Concen: 3.580 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BE100557.D
 Acq: 25 Sep 2019 15:26

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.2	22.8
179	18.4	12.2	18.4

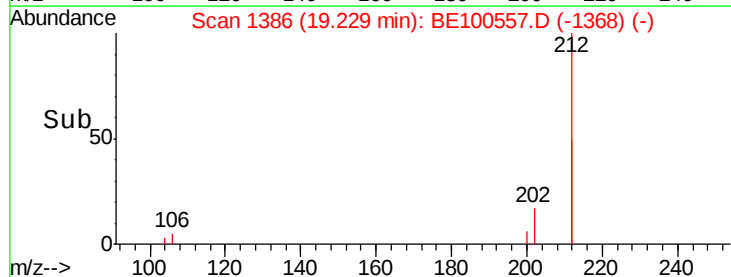
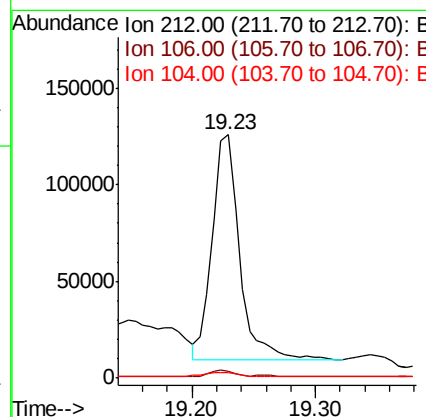
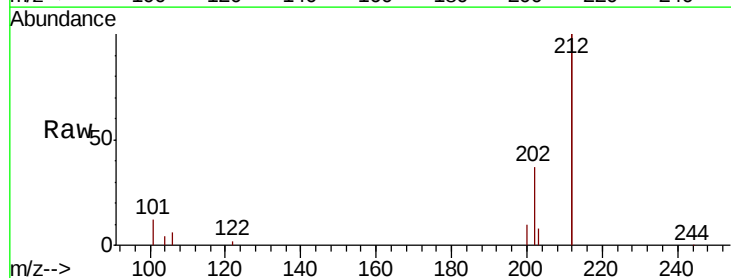
Manual Integrations
 APPROVED

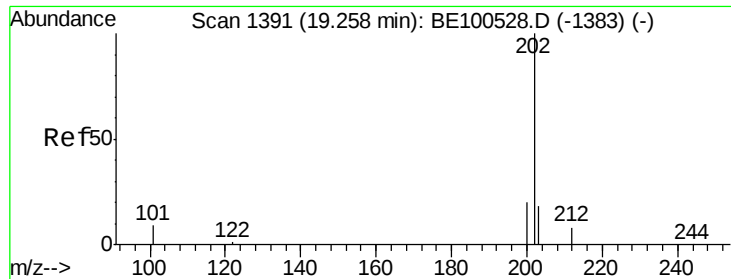
mohammad
 9/26/2019 3:55:40 PM



#25
 Fluoranthene-d10
 Concen: 0.325 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE100557.D
 Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.3	3.5
104	2.4	1.3	1.9





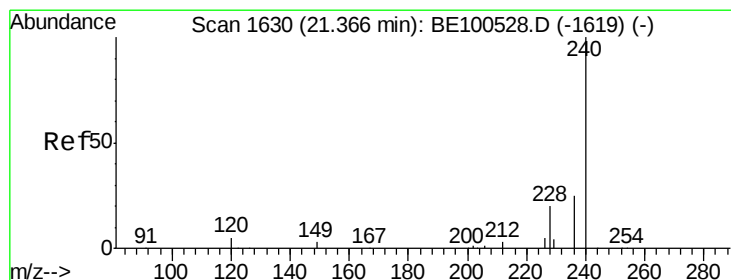
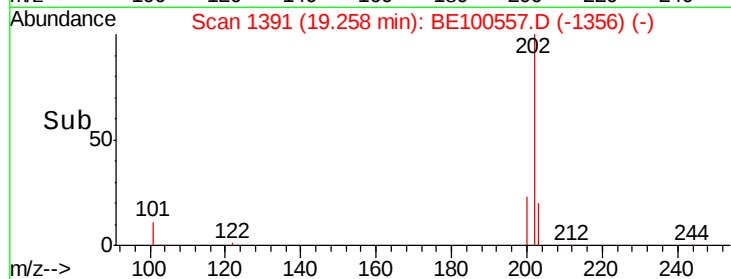
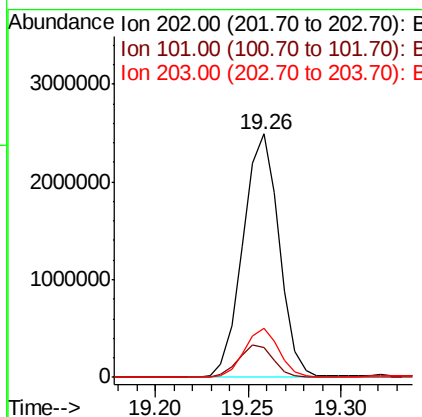
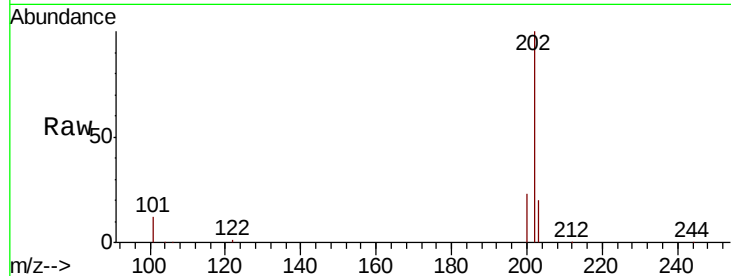
#26
Fluoranthene
Concen: 21.718 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.0	8.8	13.2
203	19.3	13.7	20.5

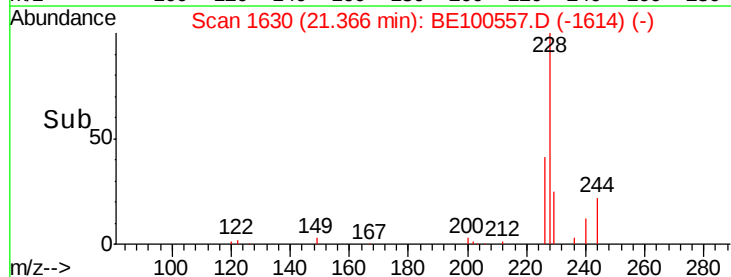
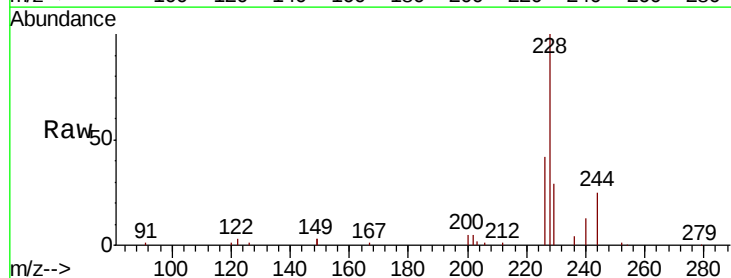
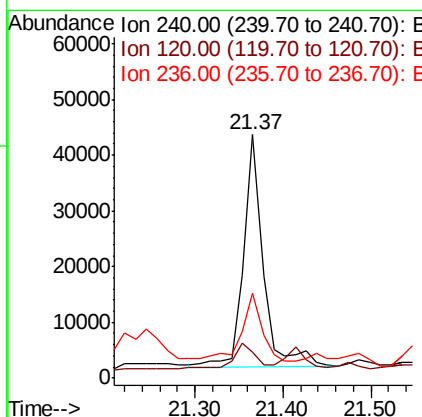
Manual Integrations
APPROVED

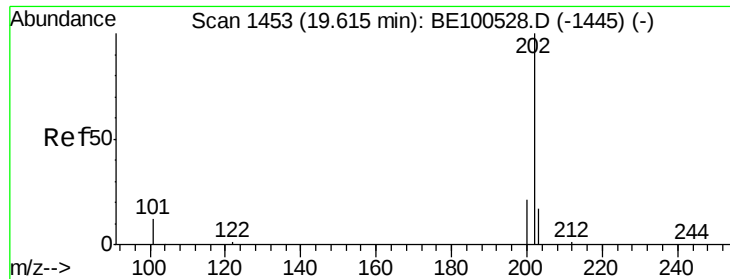
mohammad
9/26/2019 3:55:40 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	4.5	6.7#
236	34.7	20.6	30.8#





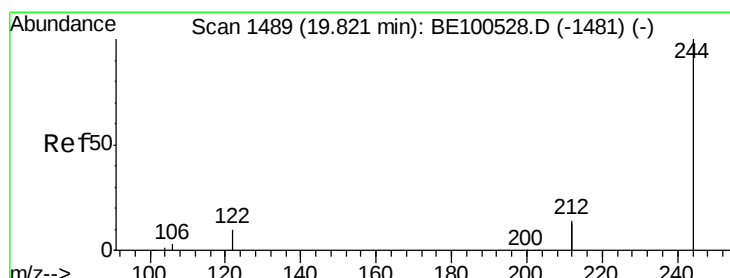
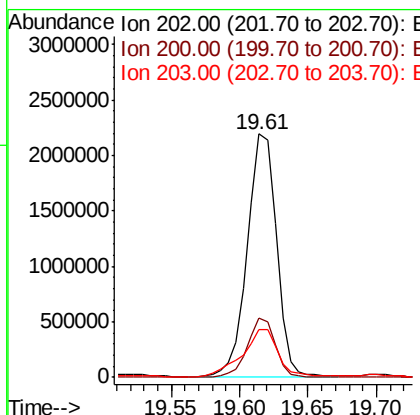
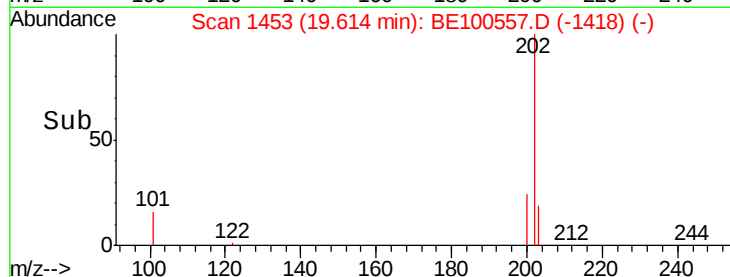
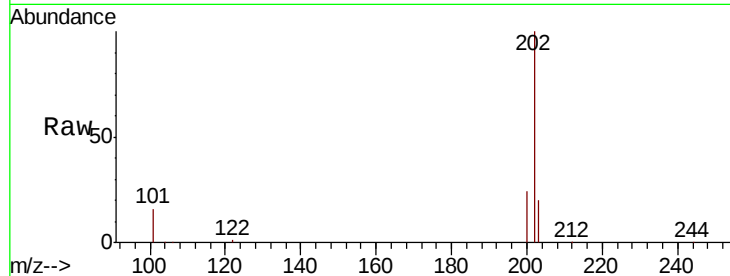
#28
Pvrene
Concen: 17.148 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.6	25.0
203	23.9	14.0	21.0

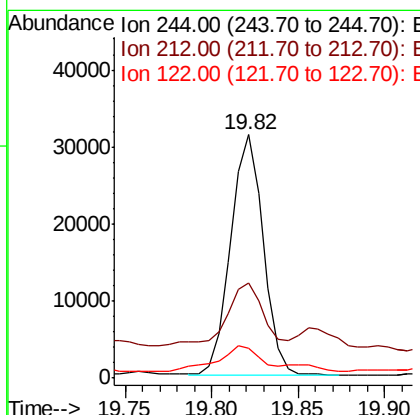
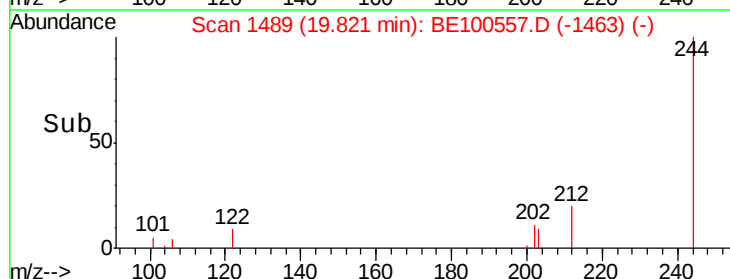
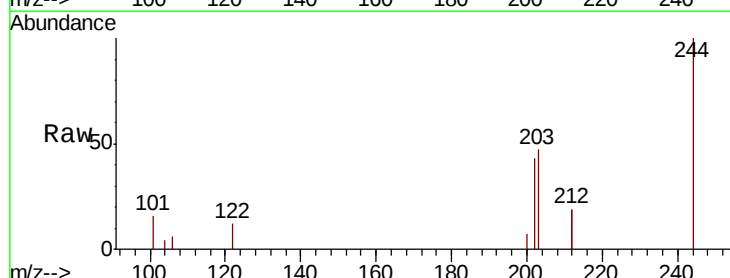
Manual Integrations
APPROVED

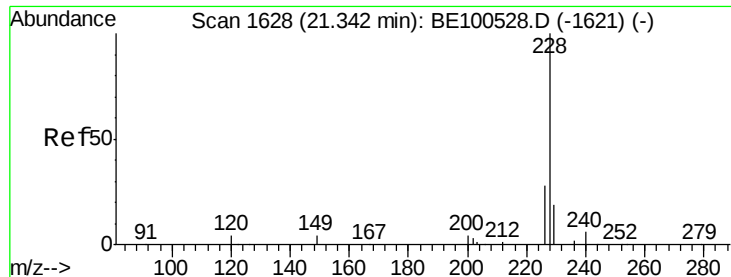
mohammad
9/26/2019 3:55:40 PM



#29
Terphenyl-d14
Concen: 0.265 ng
RT: 19.82 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	39.0	22.2	33.2
122	12.0	8.3	12.5





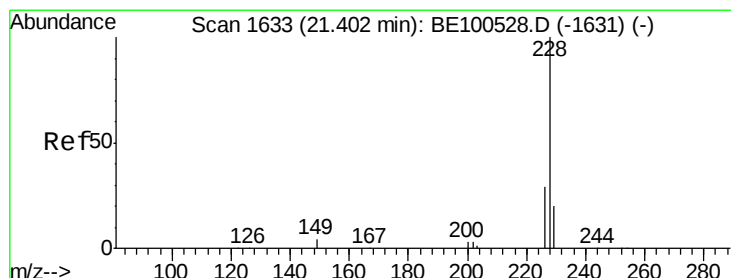
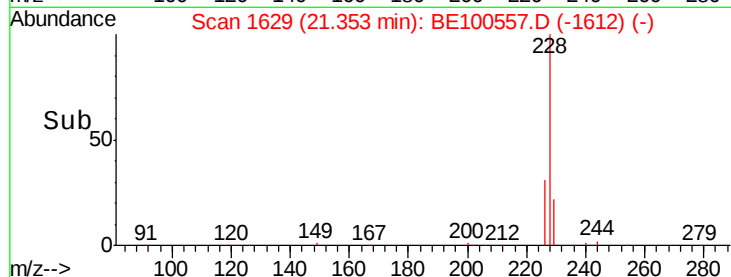
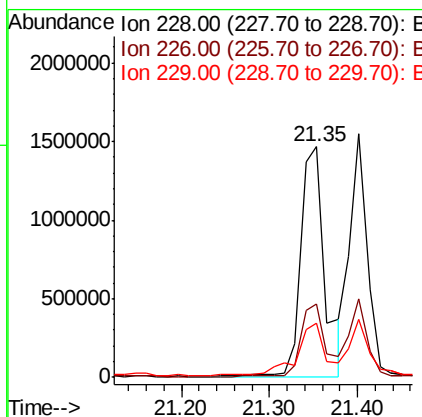
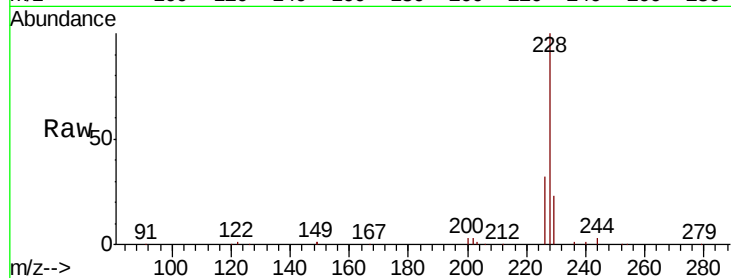
#30
Benzo(a)anthracene
Concen: 15.893 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.5	33.7
229	23.5	15.4	23.2

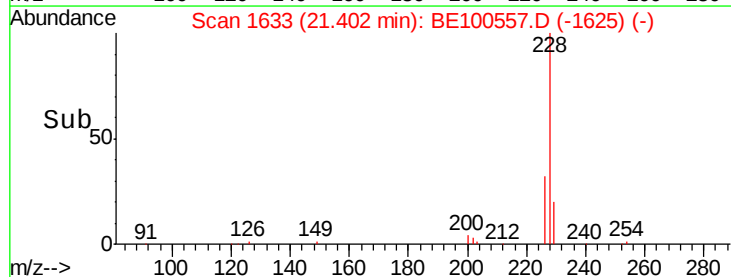
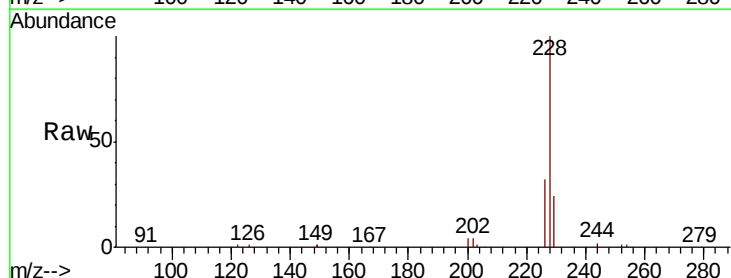
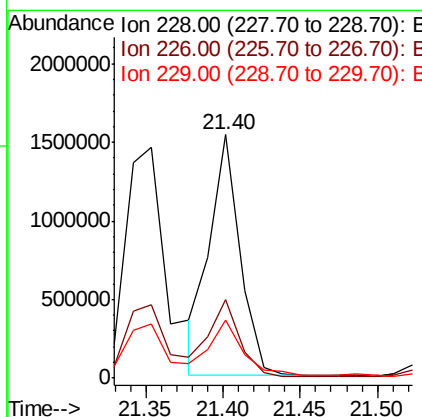
Manual Integrations
APPROVED

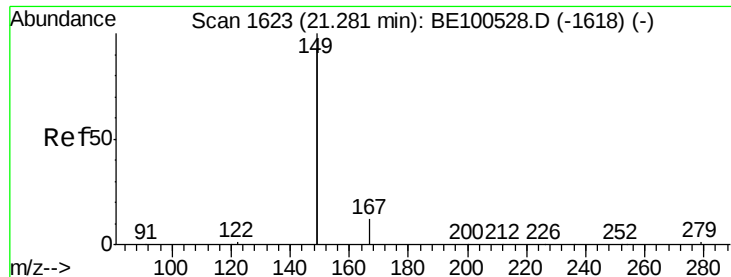
mohammad
9/26/2019 3:55:40 PM



#31
Chrysene
Concen: 10.563 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	23.3	34.9
229	24.0	16.3	24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.819 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Instrument :

BNA_E

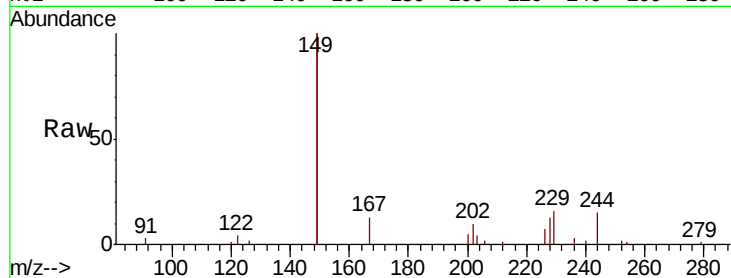
ClientSampleId :

EXT-SW162-091819-1

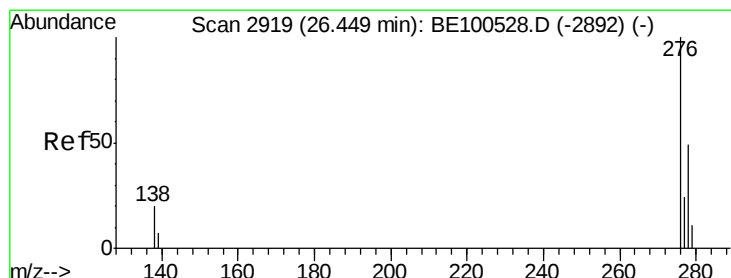
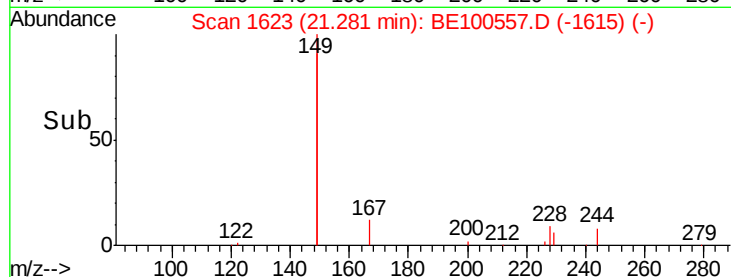
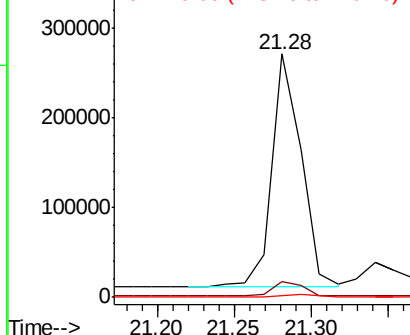
Tot Ion:	149	Resp:	342225
Ion Ratio	Lower	Upper	
149	100		
167	6.5	5.2	7.8
279	1.1	1.0	1.4

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 5.452 ng

RT: 26.46 min Scan# 2921

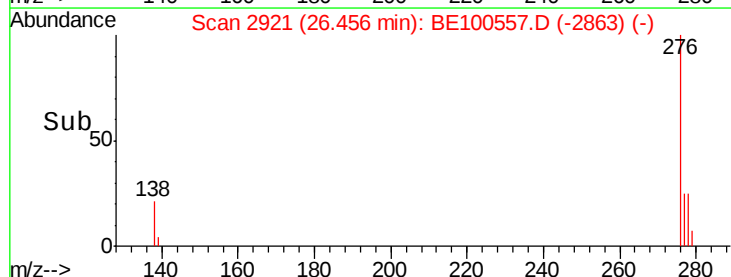
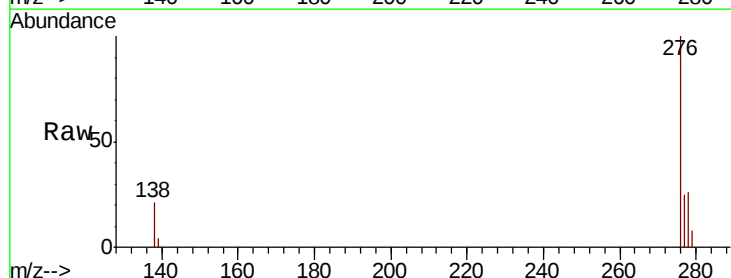
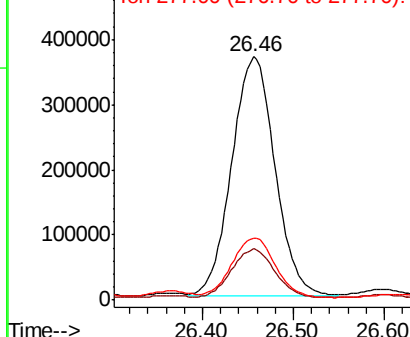
Delta R.T. 0.01 min

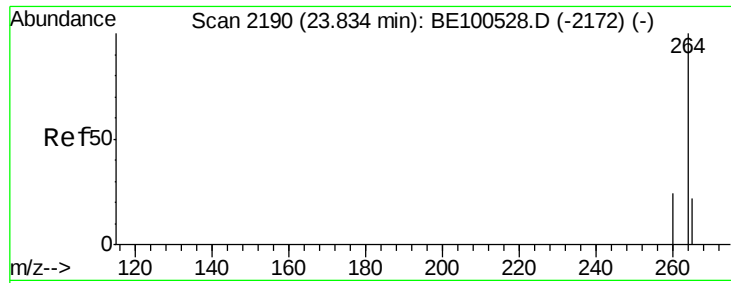
Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Tgt Ion:	276	Resp:	1205894
Ion Ratio	Lower	Upper	
276	100		
138	20.6	17.7	26.5
277	25.5	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





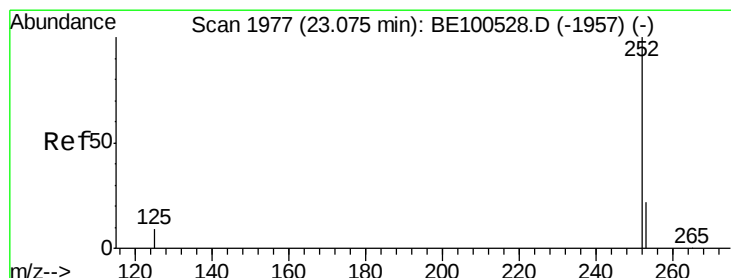
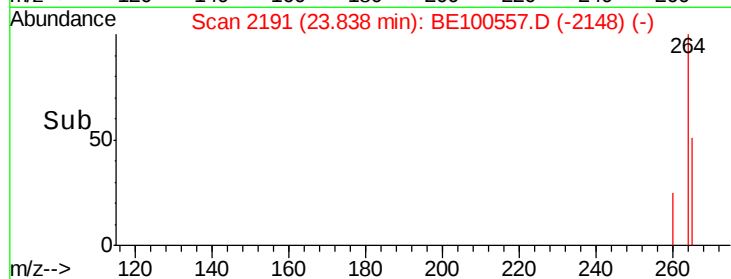
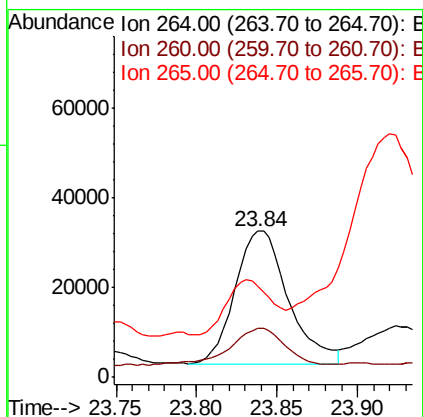
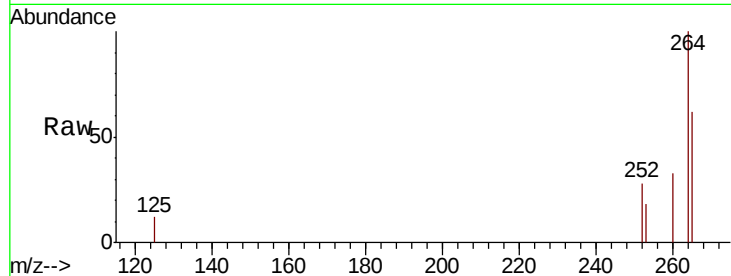
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	33.3	19.6	29.4#
265	62.1	21.8	32.8#

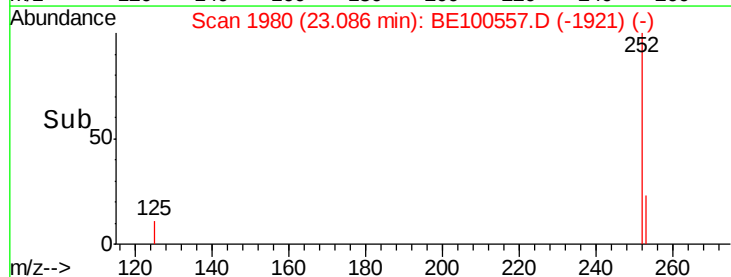
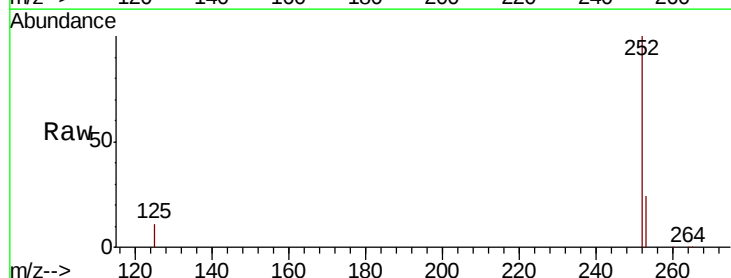
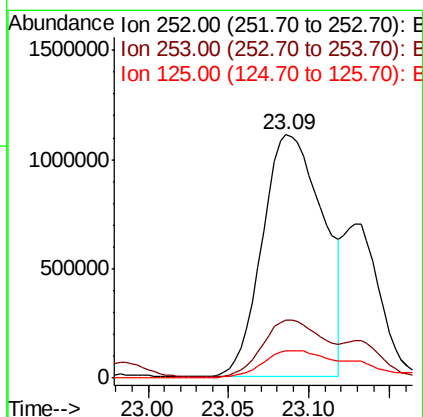
Manual Integrations
APPROVED

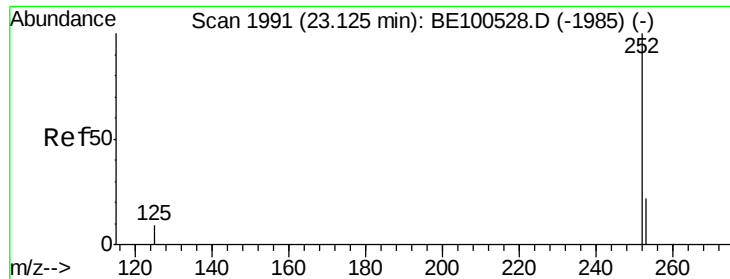
mohammad
9/26/2019 3:55:40 PM



#35
Benzo(b)fluoranthene
Concen: 15.701 ng
RT: 23.09 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	11.1	8.0	12.0





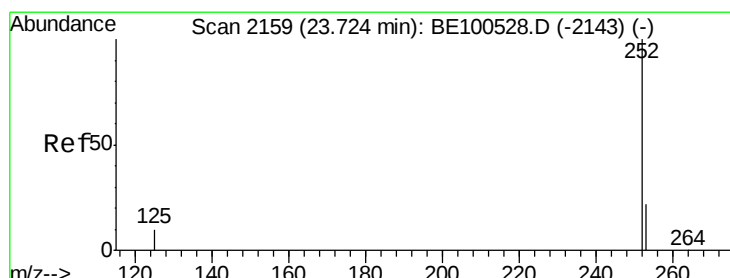
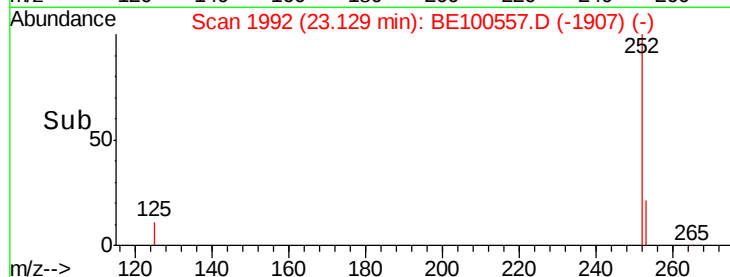
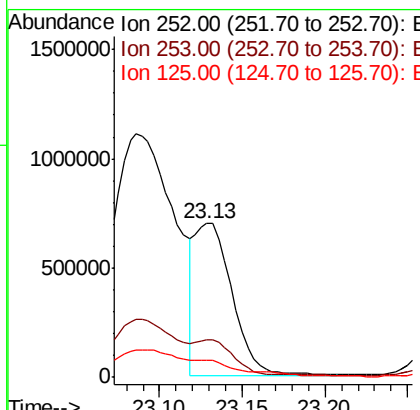
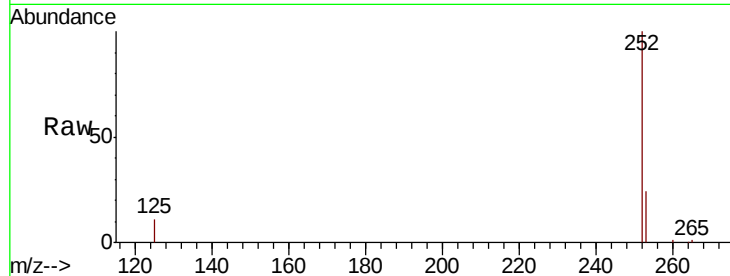
#36
Benzo(k)fluoranthene
Concen: 5.156 ng m
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Instrument :
BNA_E
ClientSampleId :
EXT-SW162-091819-1

Tot Ion:252 Resp: 1111573
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 11.2 8.5 12.7

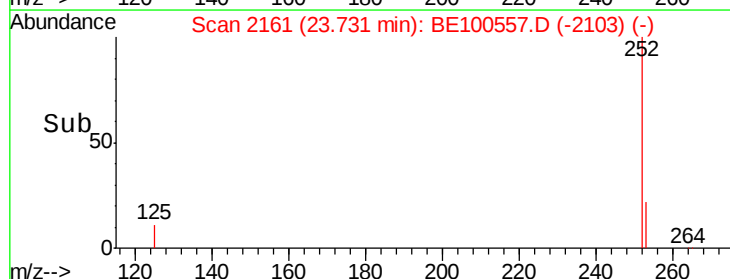
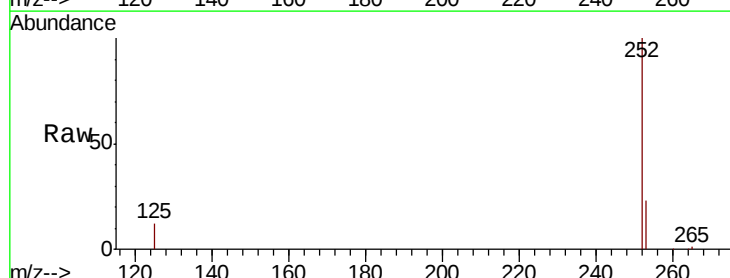
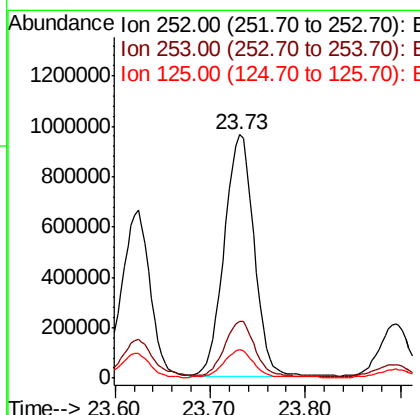
Manual Integrations
APPROVED

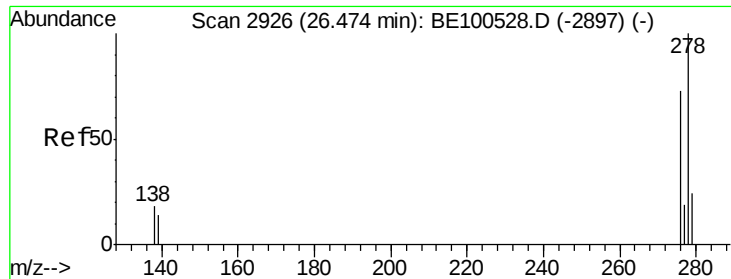
mohammad
9/26/2019 3:55:40 PM



#37
Benzo(a)pyrene
Concen: 11.872 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BE100557.D
Acq: 25 Sep 2019 15:26

Tgt Ion:252 Resp: 2063854
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 11.5 9.2 13.8





#38

Dibenzo(a,h)anthracene

Concen: 2.171 ng

RT: 26.47 min Scan# 2925

Delta R.T. -0.00 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Instrument :

BNA_E

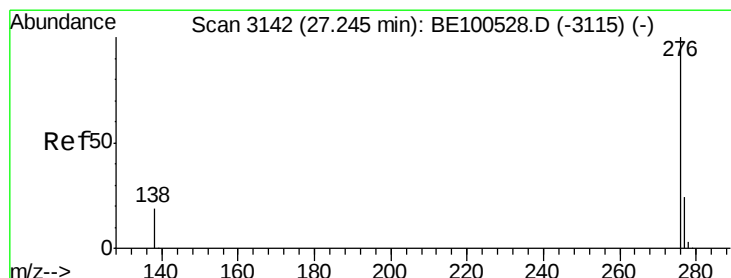
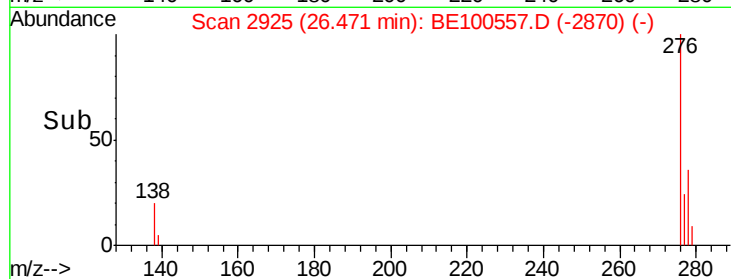
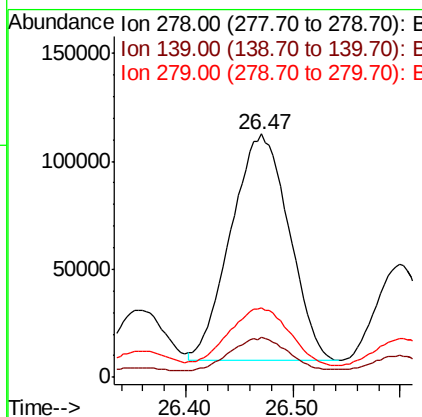
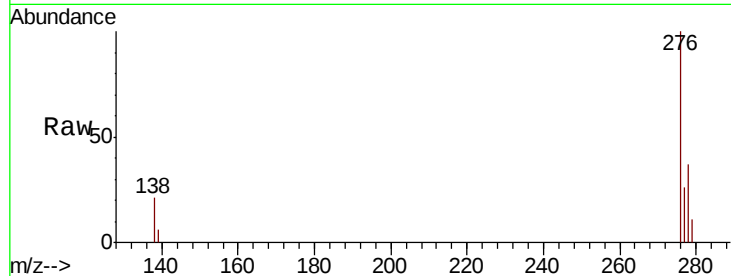
ClientSampleId :

EXT-SW162-091819-1

Tot Ion:	278	Resp:	393183
Ion Ratio	Lower	Upper	
278	100		
139	16.2	11.6	17.4
279	28.6	19.7	29.5

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:40 PM



#39

Benzo(g,h,i)perylene

Concen: 5.636 ng

RT: 27.26 min Scan# 3147

Delta R.T. 0.02 min

Lab File: BE100557.D

Acq: 25 Sep 2019 15:26

Tgt Ion:	276	Resp:	1065894
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.2	28.8
138	20.8	15.7	23.5

