

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\
 Data File : BE100658.D
 Acq On : 18 Oct 2019 16:49
 Operator : JU
 Sample : K4995-02DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW167-091819-2DL

Manual Integrations
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mohammad
 10/20/2019 8:05:15 PM

Quant Time: Oct 18 23:54:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	7148	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	30780	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	17846	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	36719	0.40	ng	0.00
27) Chrysene-d12	21.37	240	37475	0.40	ng	0.00
34) Perylene-d12	23.85	264	42898	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	209	0.01	ng	0.02
5) Phenol-d6	7.02	99	330	0.01	ng	0.01
8) Nitrobenzene-d5	9.00	82	291	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	12.22	152	408	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	84	0.02	ng	-0.01
15) 2-Fluorobiphenyl	13.12	172	536	0.01	ng	0.00
25) Fluoranthene-d10	19.22	212	3342	0.01	ng	0.00
29) Terphenyl-d14	19.82	244	1296	0.02	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.69	128	32807	0.101	ng	99
12) 2-Methylnaphthalene	12.31	142	7571	0.137	ng	95
16) Acenaphthylene	14.20	152	78685	1.025	ng	99
17) Acenaphthene	14.54	154	6792	0.137	ng	97
18) Fluorene	15.52	166	22424	0.340	ng	# 82
23) Phenanthrene	17.24	178	348630	3.452	ng	100
24) Anthracene	17.34	178	64221	0.685	ng	99
26) Fluoranthene	19.26	202	447783	3.397	ng	98
28) Pyrene	19.61	202	596973	5.702	ng	96
30) Benzo(a)anthracene	21.35	228	289282m	2.366	ng	
31) Chrysene	21.40	228	277445	2.271	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	15937	0.062	ng	97
33) Indeno(1,2,3-cd)pyrene	26.46	276	147397	0.982	ng	96
35) Benzo(b)fluoranthene	23.09	252	278502	2.226	ng	98
36) Benzo(k)fluoranthene	23.13	252	78657m	0.611	ng	
37) Benzo(a)pyrene	23.73	252	227354	1.953	ng	98
38) Dibenzo(a,h)anthracene	26.48	278	40693	0.338	ng	# 84
39) Benzo(a,h,i)perylene	27.27	276	166242	1.373	ng	99

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

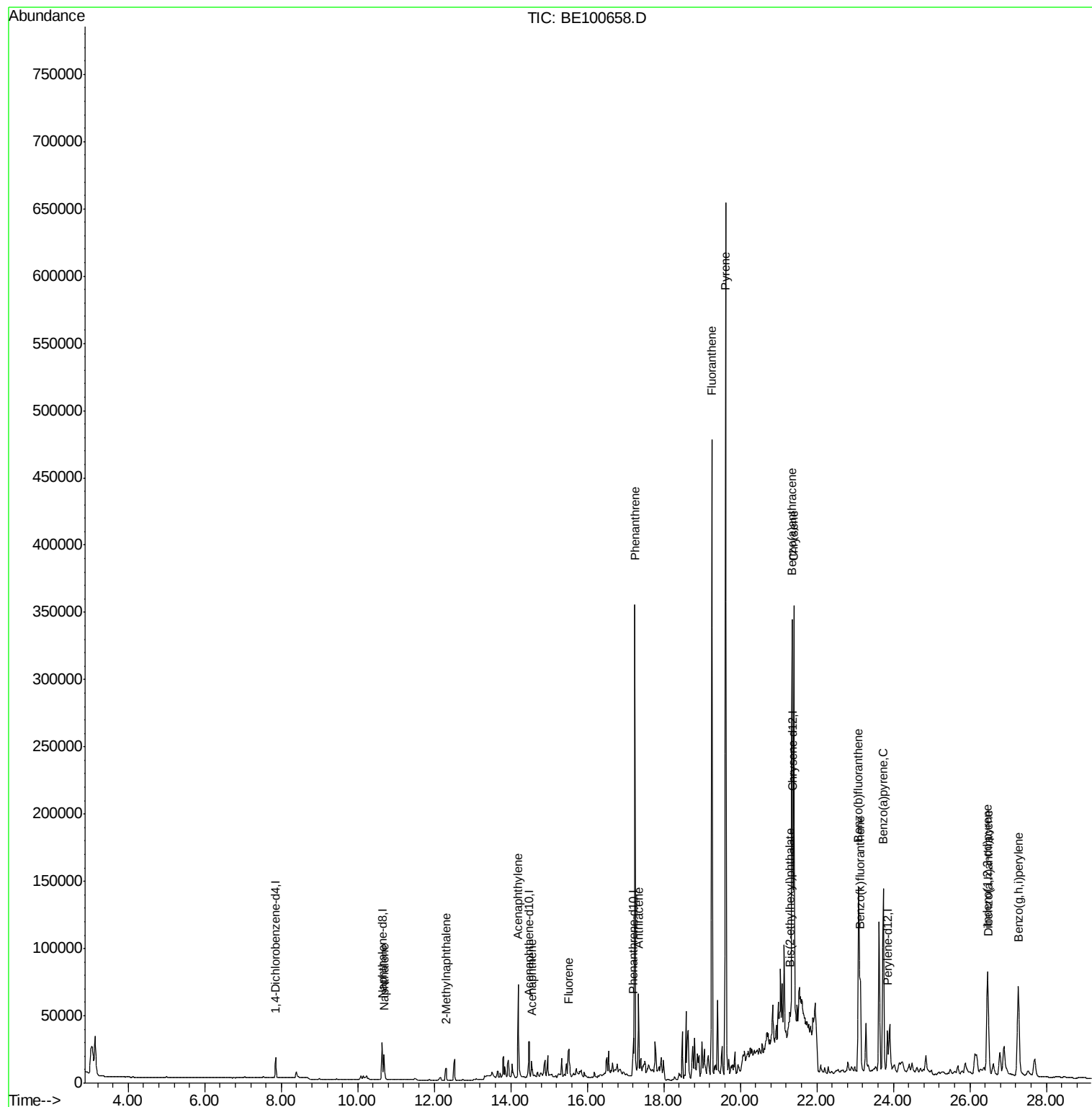
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\
Data File : BE100658.D
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Sample : K4995-02DL 25X
Misc :
ALS Vial : 7 Sample Multiplier: 1

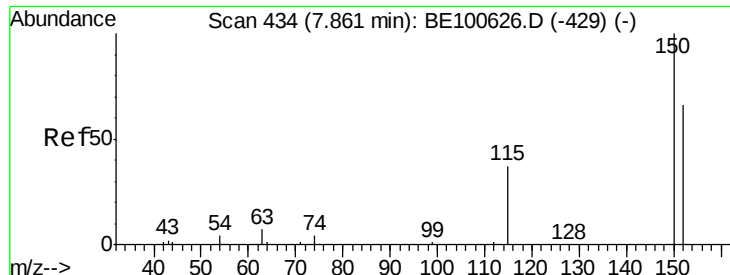
Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

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Quant Time: Oct 18 23:54:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 10 14:01:52 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA_E

ClientSampleId :

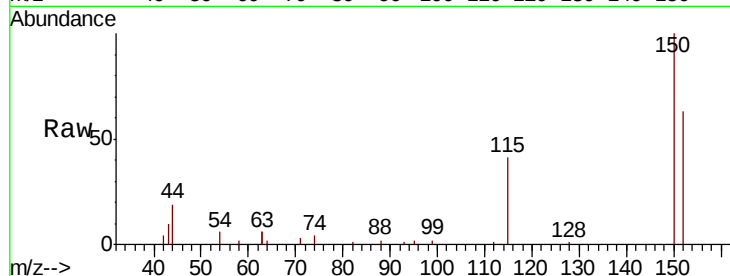
EXT-SW167-091819-2DL

Tot Ion:152 Resp: 7148

Ion	Ratio	Lower	Upper
152	100		
150	158.9	120.7	181.1
115	65.8	48.0	72.0

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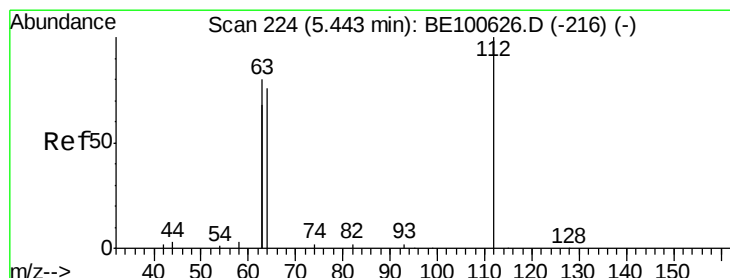
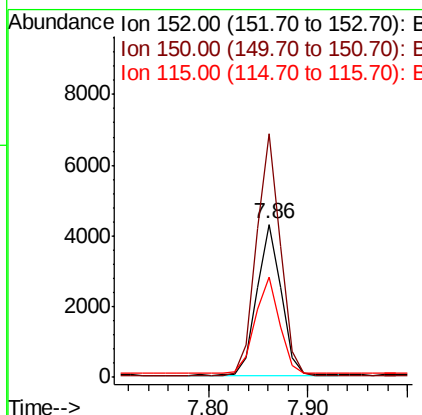
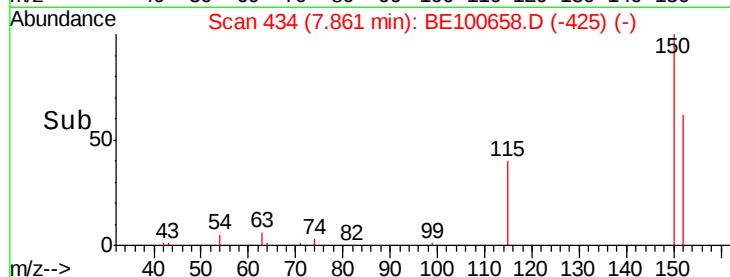
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 0.009 ng

RT: 5.47 min Scan# 226

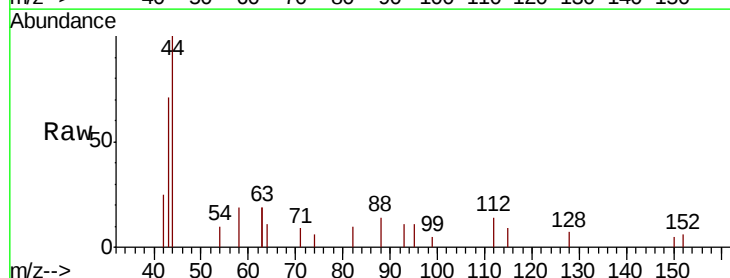
Delta R.T. 0.02 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Tgt Ion:112 Resp: 209

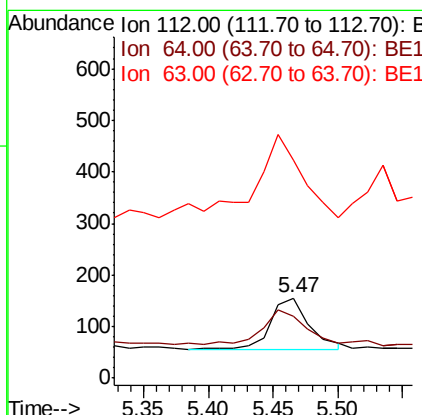
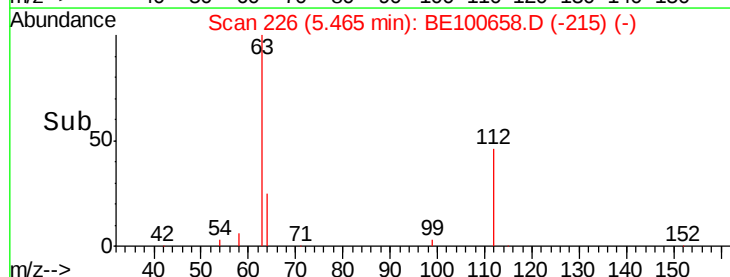
Ion	Ratio	Lower	Upper
112	100		
64	69.9	58.9	88.3
63	202.4	118.3	177.5#

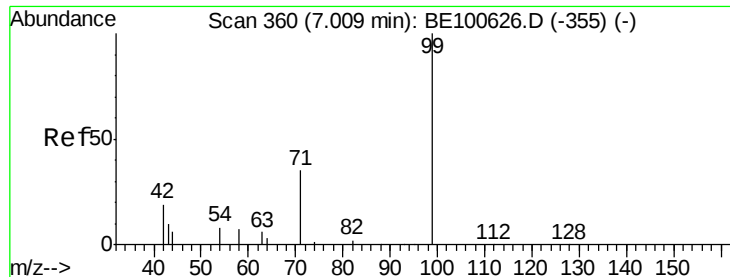


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.011 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA_E

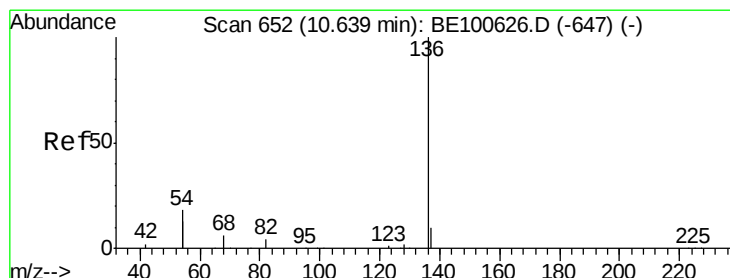
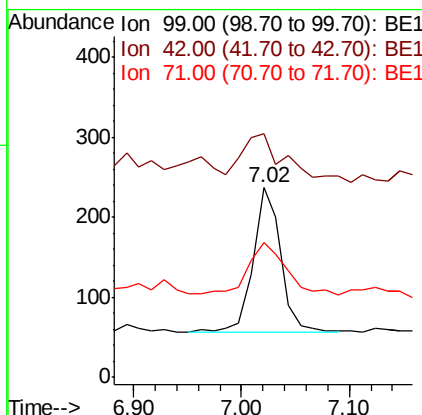
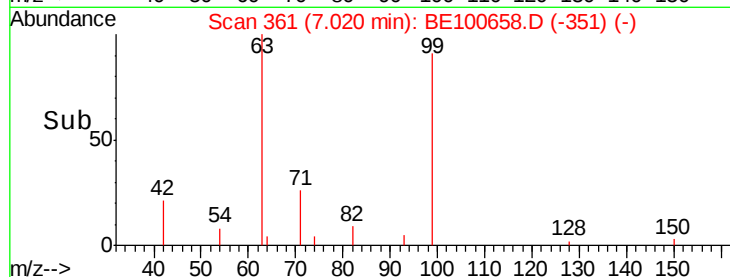
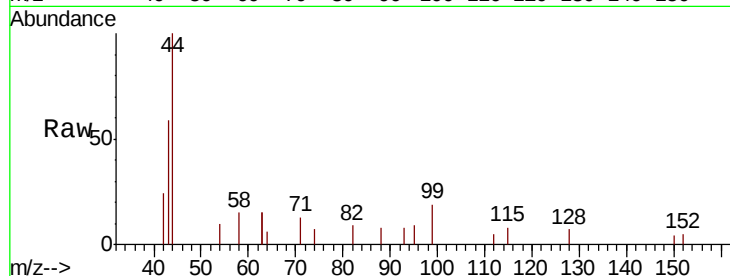
ClientSampleId :

EXT-SW167-091819-2DL

Tot Ion:	99	Resp:	330
Ion	Ratio	Lower	Upper
99	100		
42	50.3	19.4	29.2#
71	47.9	26.9	40.3#

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#7

Naphthalene-d8

Concen: 0.400 ng

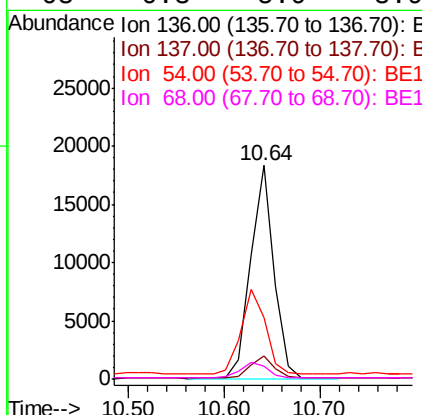
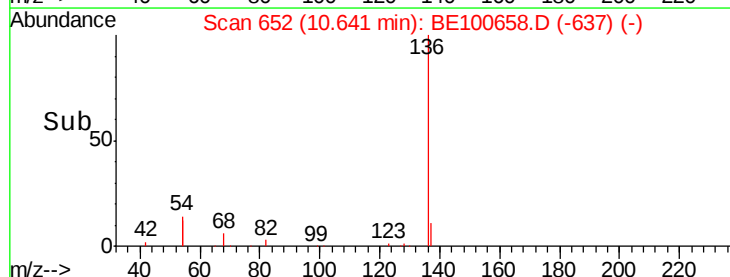
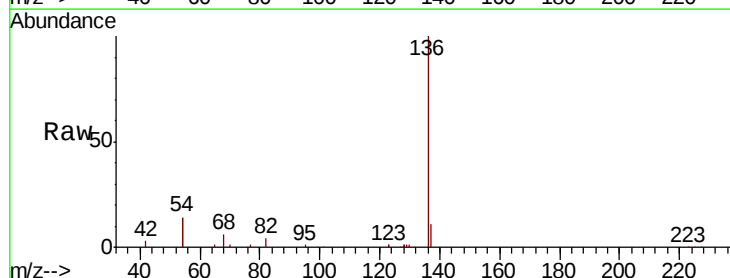
RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Tgt Ion:	136	Resp:	30780
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	28.7	28.7	43.1#
68	6.3	5.9	8.9





#8

Nitrobenzene-d5

Concen: 0.015 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Instrument :

BNA_E

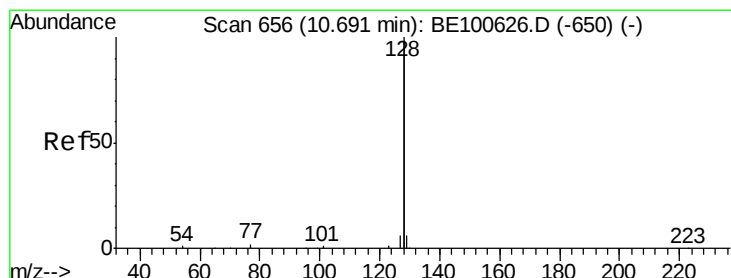
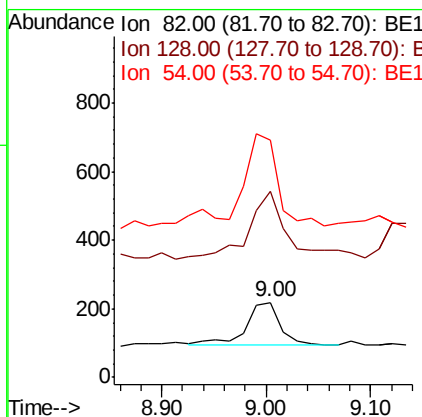
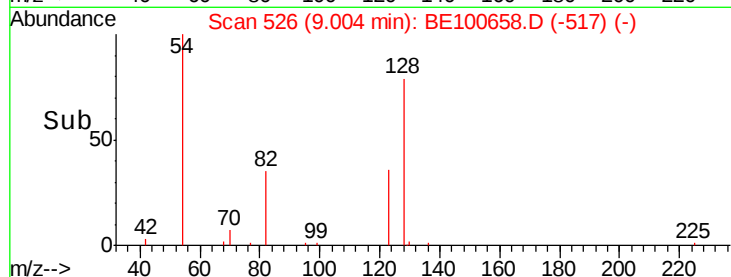
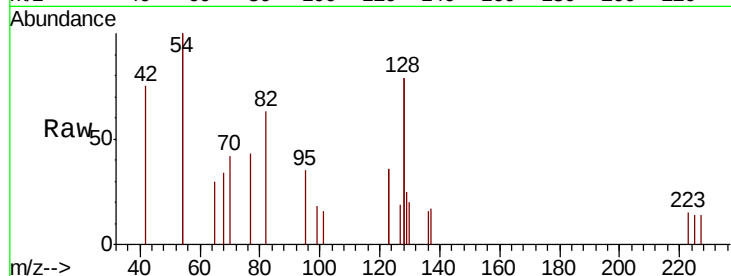
ClientSampleId :

EXT-SW167-091819-2DL

Tot Ion:	82	Resp:	291
Ion	Ratio	Lower	Upper
82	100		
128	249.5	90.7	136.1#
54	316.5	210.9	316.3#

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#9

Naphthalene

Concen: 0.101 ng

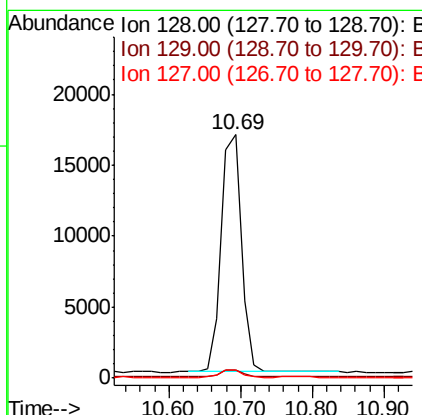
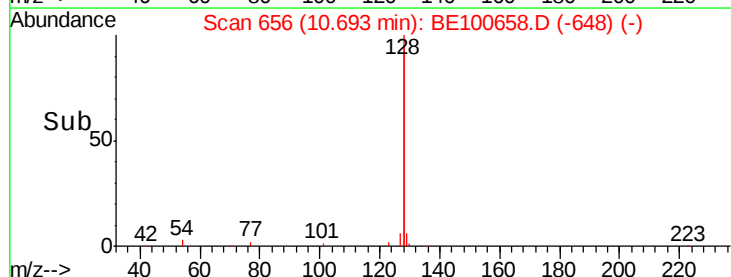
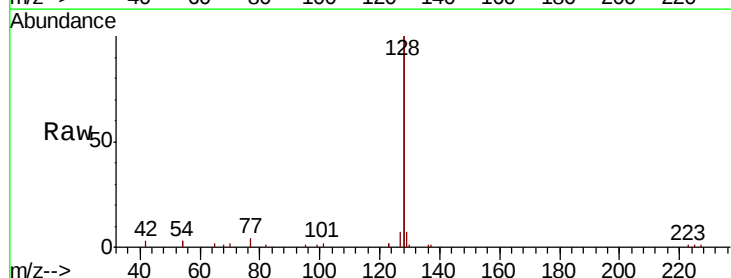
RT: 10.69 min Scan# 656

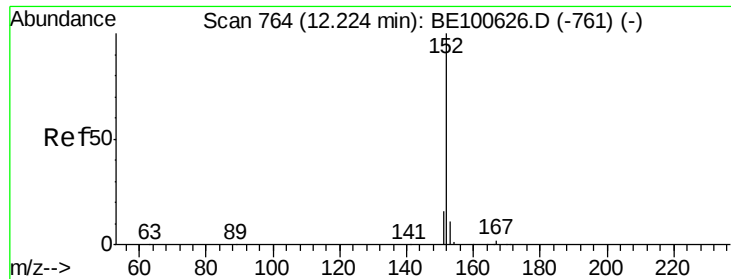
Delta R.T. 0.00 min

Lab File: BE100658.D

Acq: 18 Oct 2019 16:49

Tgt Ion:	128	Resp:	32807
Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.4	3.6
127	3.5	2.6	3.8





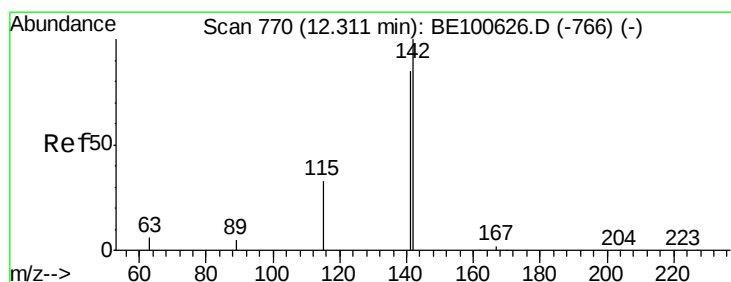
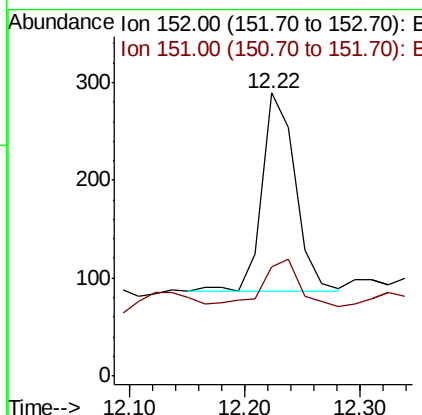
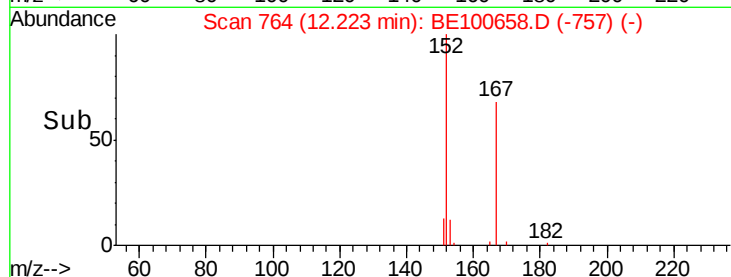
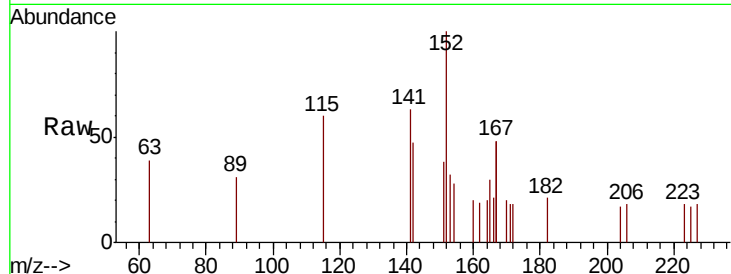
#11
2-Methylnaphthalene-d10
Concen: 0.008 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion:152 Resp: 408
Ion Ratio Lower Upper
152 100
151 25.0 15.2 22.8#

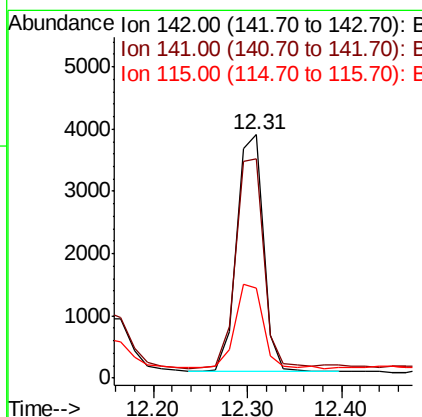
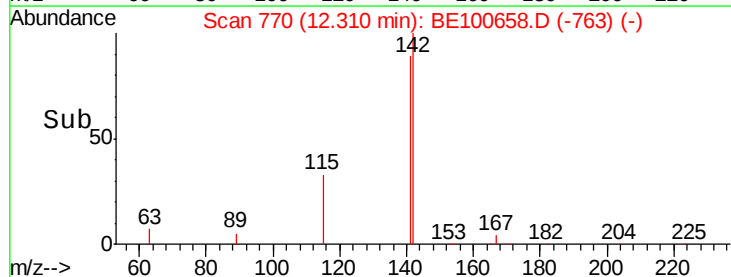
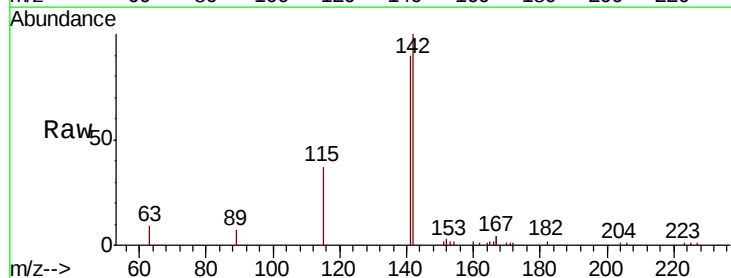
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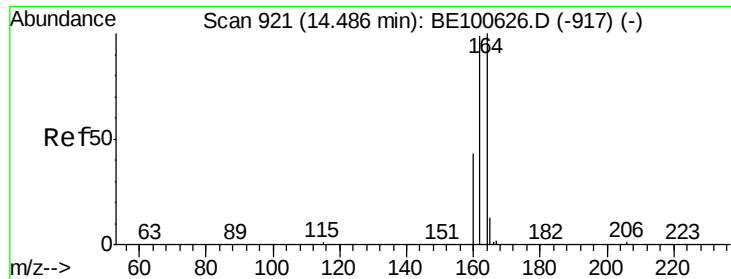
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#12
2-Methylnaphthalene
Concen: 0.137 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion:142 Resp: 7571
Ion Ratio Lower Upper
142 100
141 90.0 68.3 102.5
115 36.8 27.5 41.3





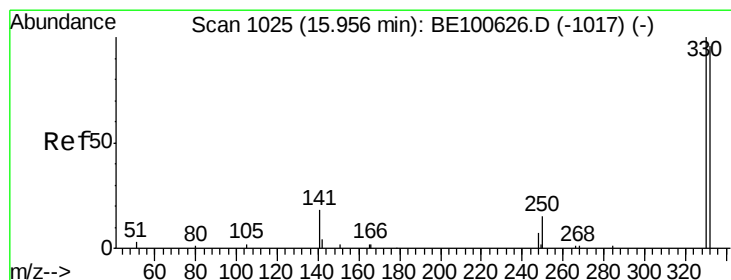
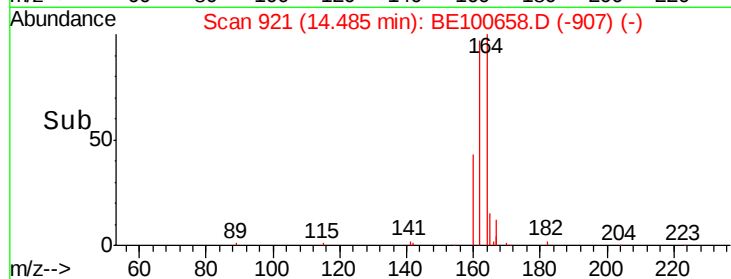
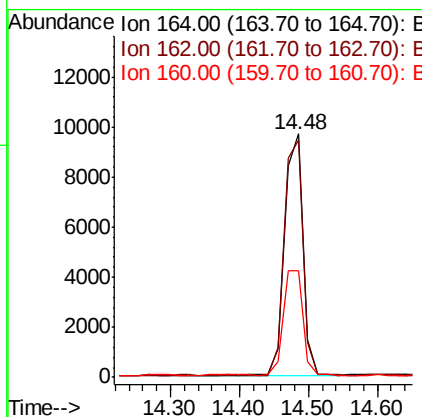
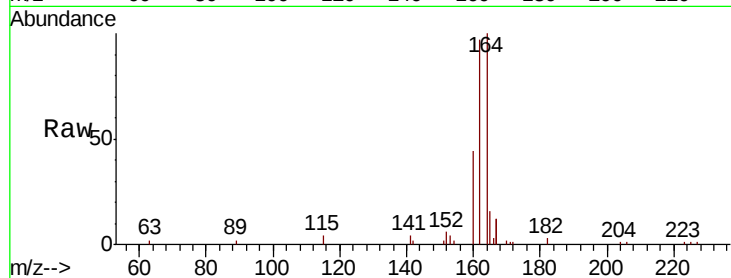
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion:164 Resp: 17846
Ion Ratio Lower Upper
164 100
162 97.2 79.1 118.7
160 43.6 34.7 52.1

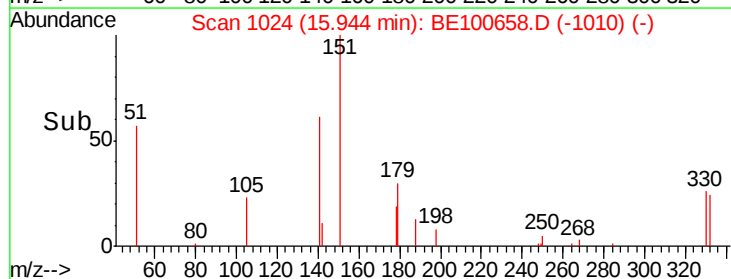
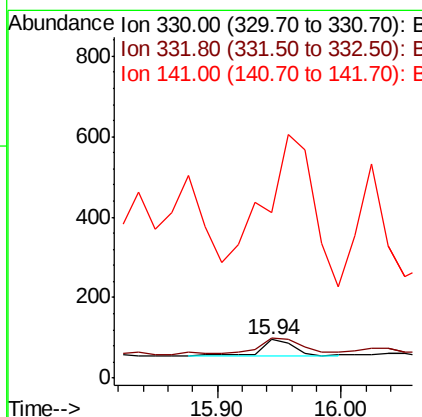
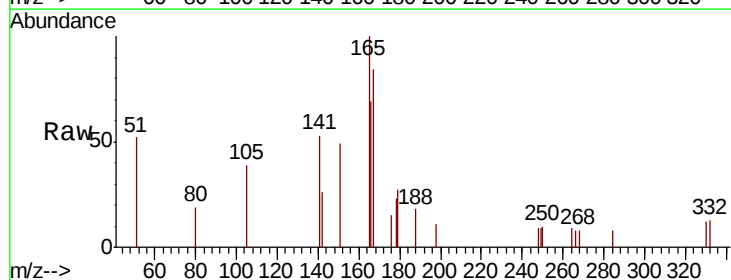
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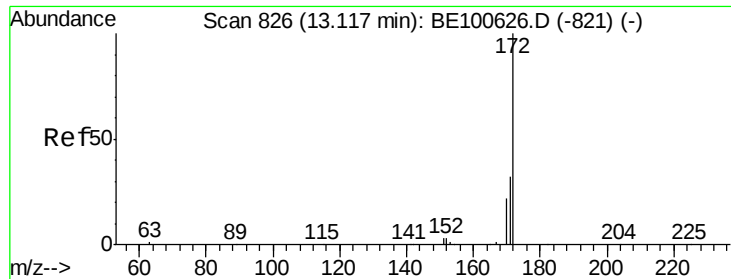
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#14
2,4,6-Tribromophenol
Concen: 0.018 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion:330 Resp: 84
Ion Ratio Lower Upper
330 100
332 109.5 75.2 112.8
141 1261.9 37.5 56.3#





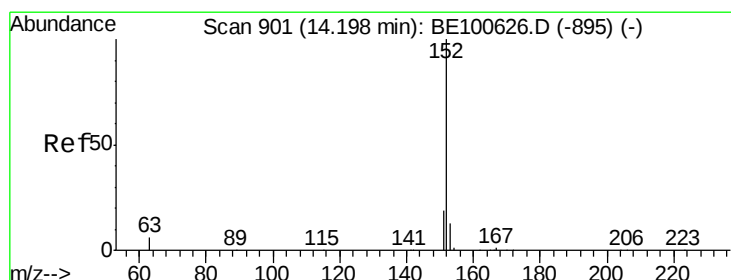
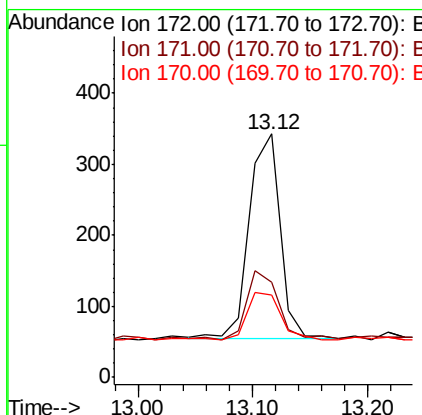
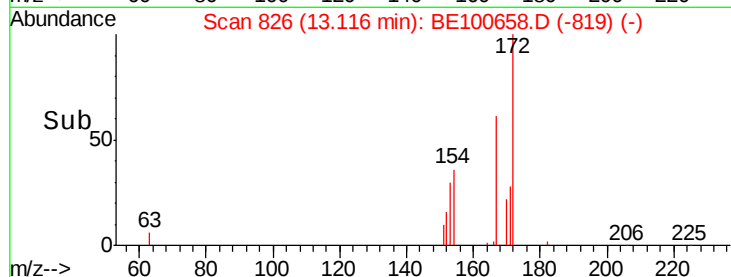
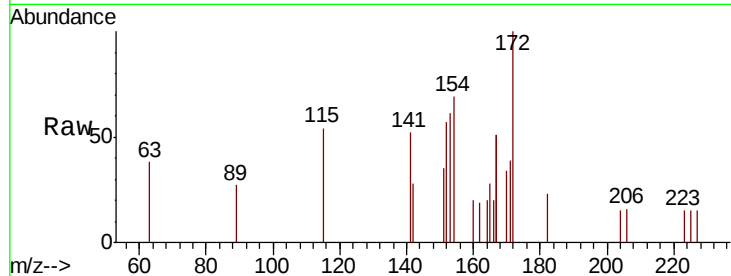
#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.1	26.2	39.4
170	34.1	17.5	26.3

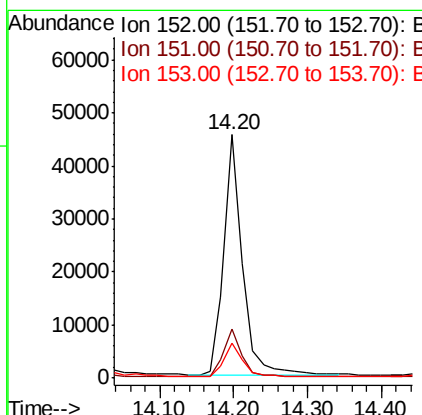
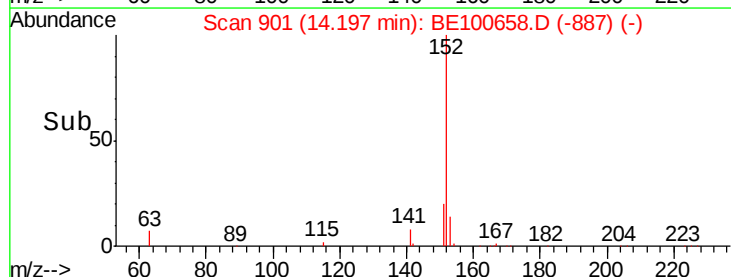
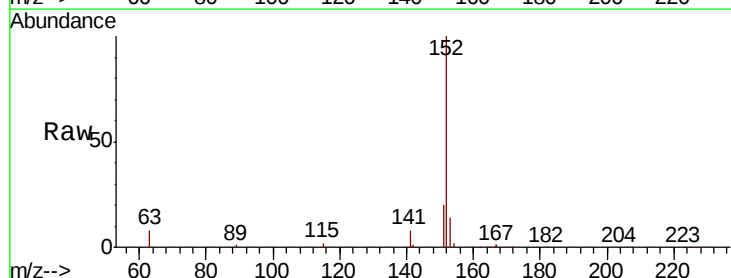
Manual Integrations
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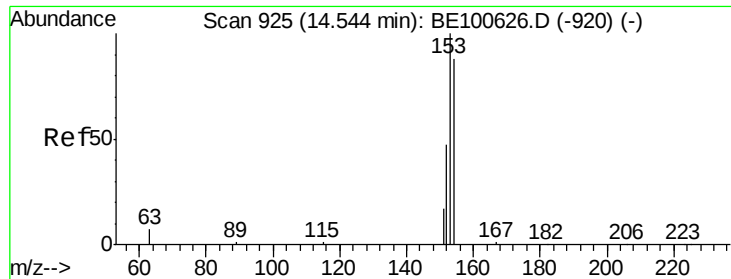
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#16
Acenaphthylene
Concen: 1.025 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.6	23.4
153	13.9	10.5	15.7





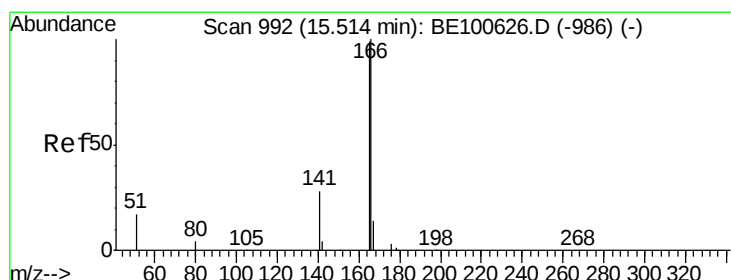
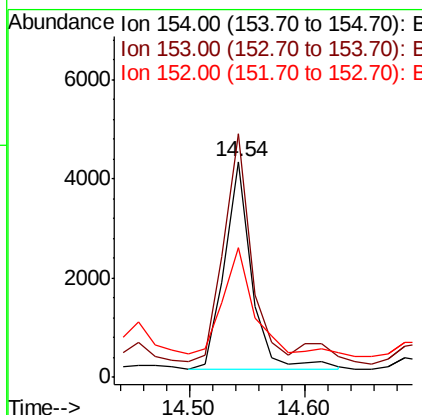
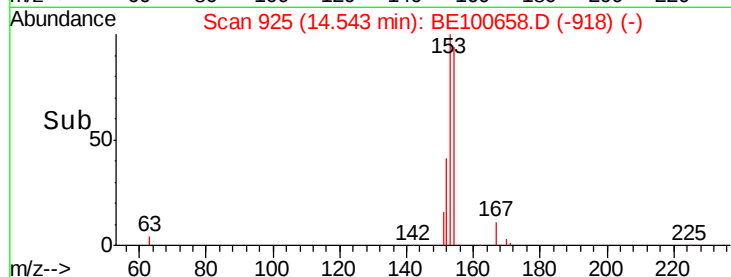
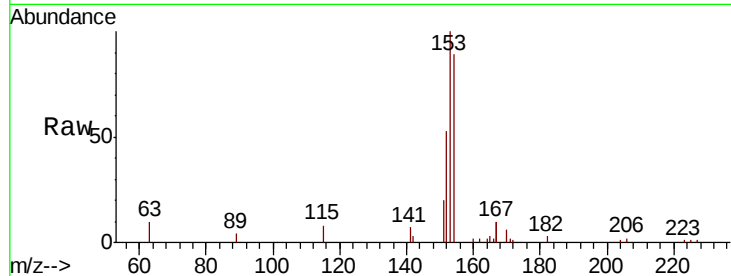
#17
Acenaphthene
Concen: 0.137 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.2	91.4	137.2
152	57.9	44.0	66.0

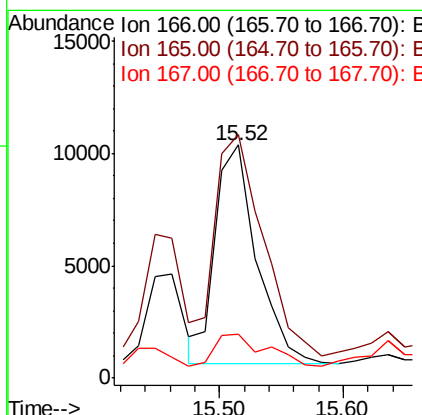
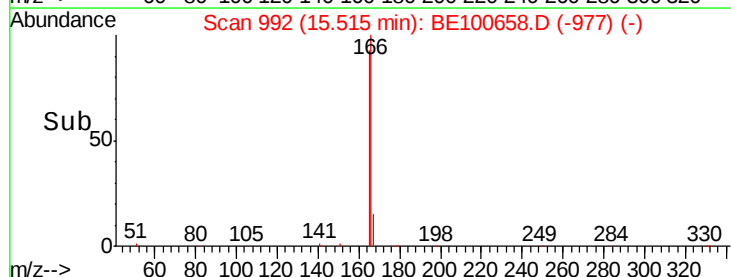
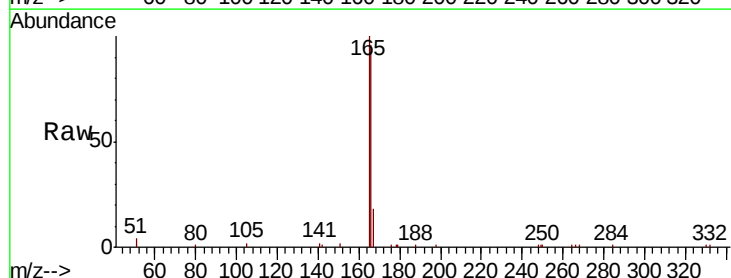
Manual Integrations
APPROVED

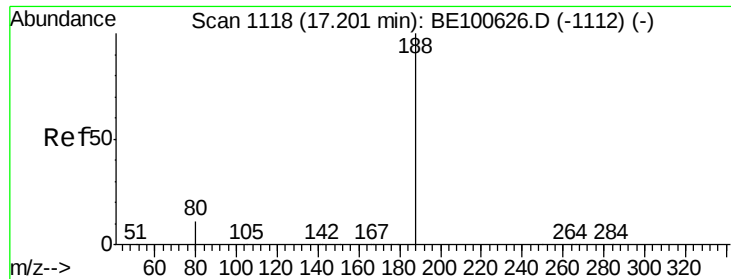
mohammad
10/20/2019 8:05:15 PM



#18
Fluorene
Concen: 0.340 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	117.6	78.9	118.3
167	17.7	10.9	16.3#





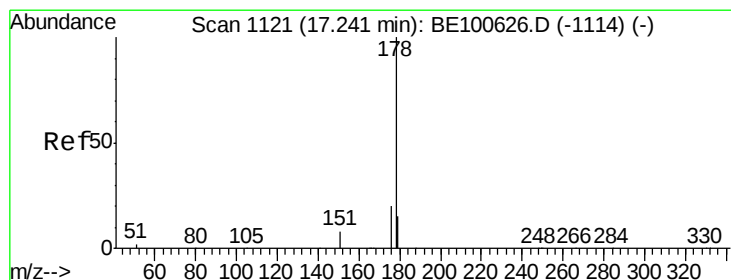
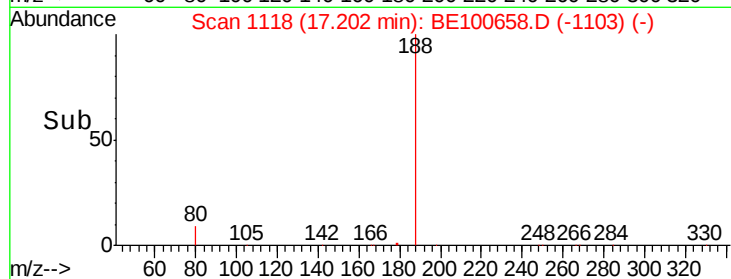
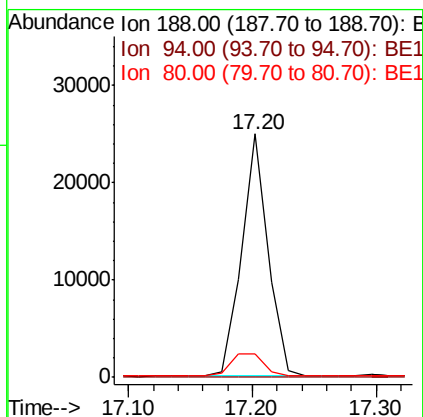
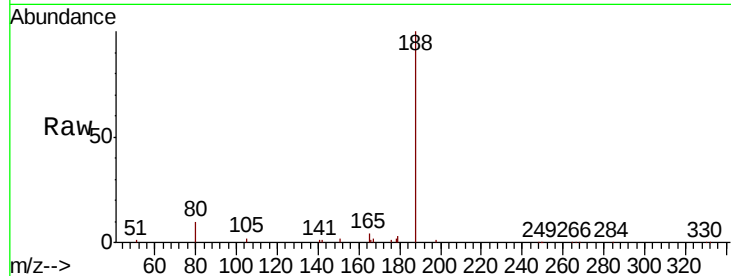
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	9.4	14.2

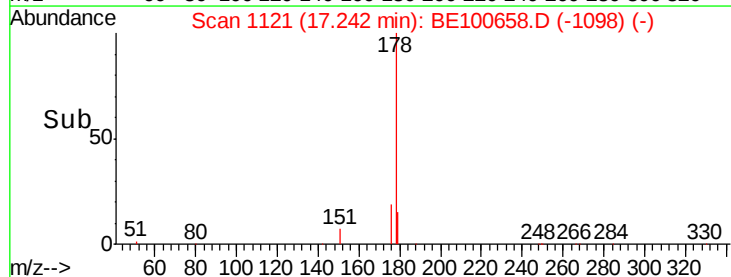
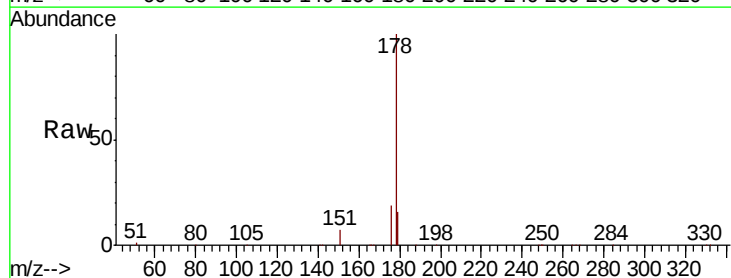
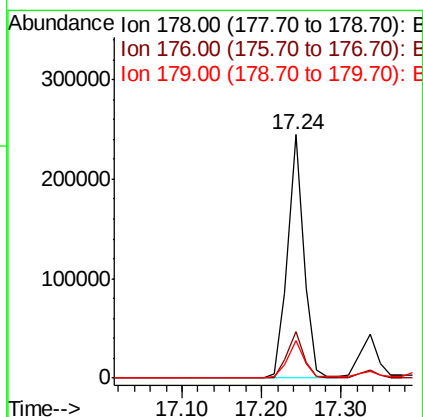
Manual Integrations
APPROVED

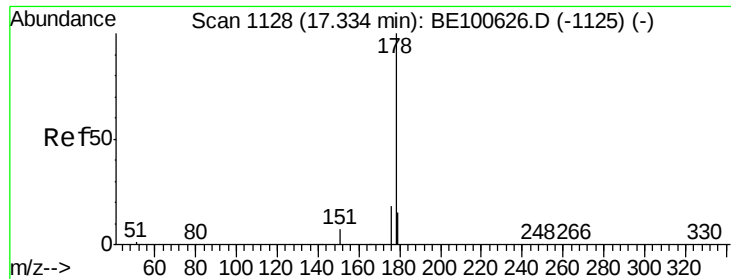
mohammad
10/20/2019 8:05:15 PM



#23
Phenanthrene
Concen: 3.452 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.7	12.4	18.6





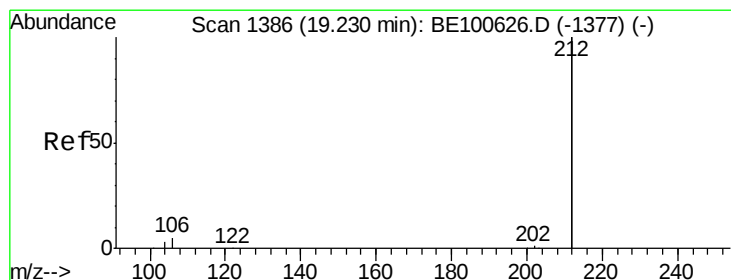
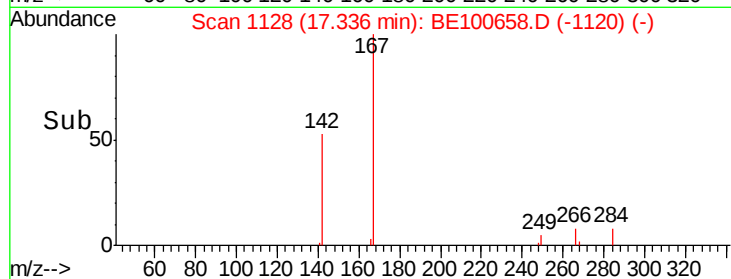
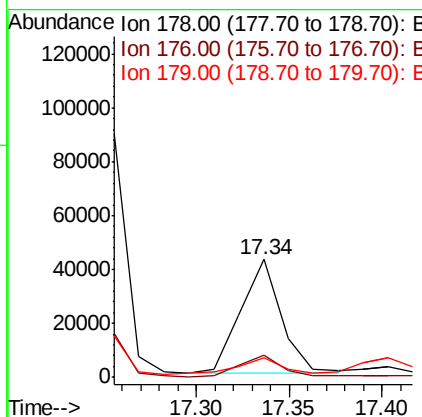
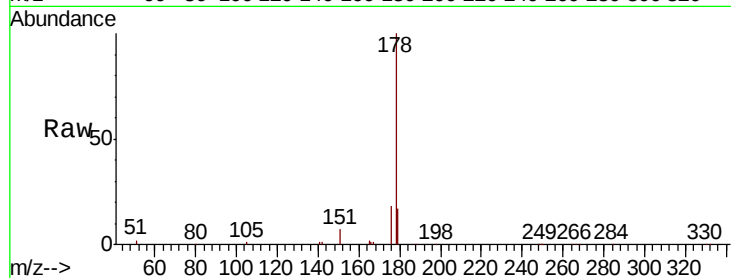
#24
 Anthracene
 Concen: 0.685 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BE100658.D
 Acq: 18 Oct 2019 16:49

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	16.0	12.4	18.6

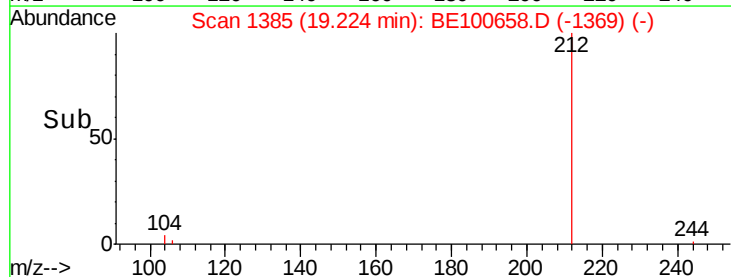
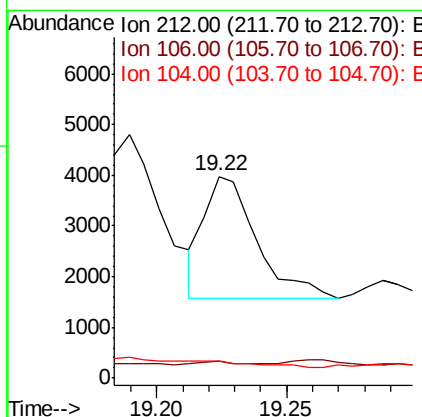
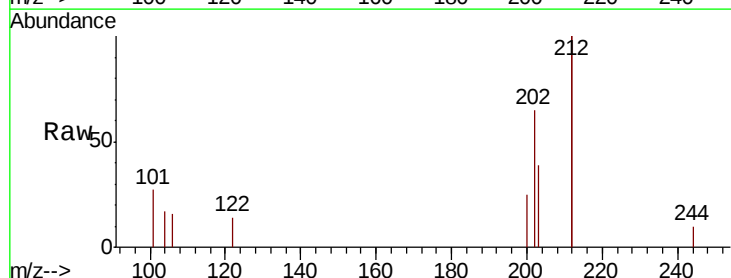
Manual Integrations
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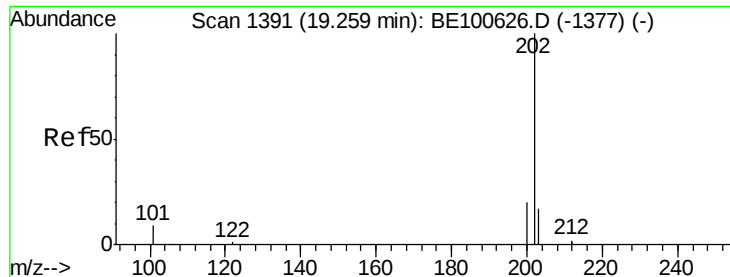
mohammad
 10/20/2019 8:05:15 PM



#25
 Fluoranthene-d10
 Concen: 0.007 ng
 RT: 19.22 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BE100658.D
 Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	2.2	3.4#
104	0.0	1.3	1.9#





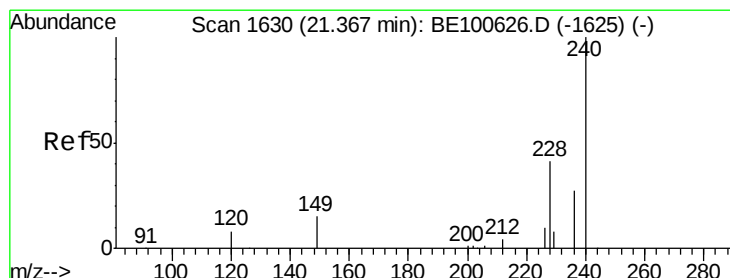
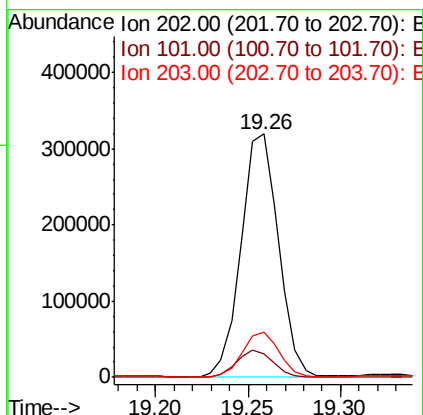
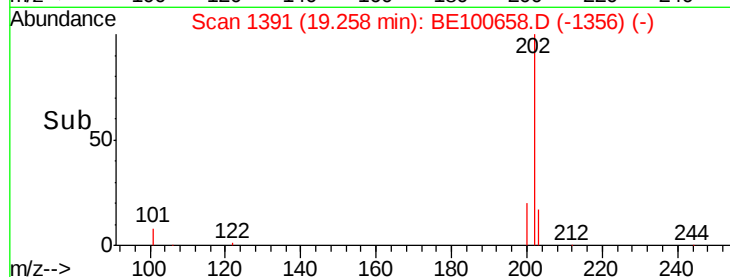
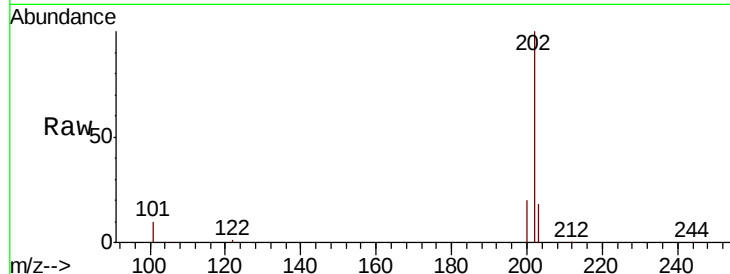
#26
Fluoranthene
Concen: 3.397 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	447783		
101	10.8		8.4	12.6
203	18.0		13.8	20.6

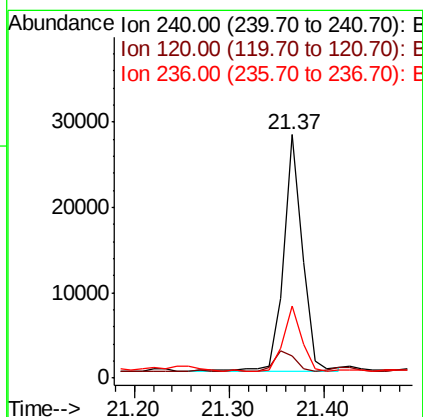
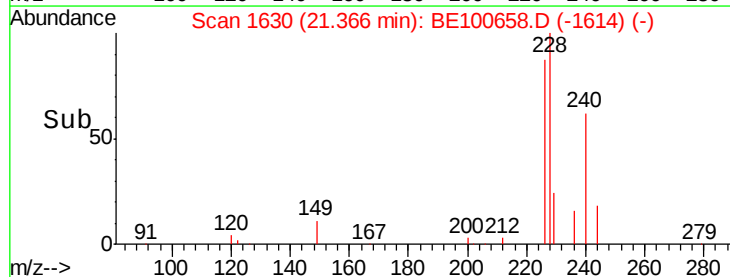
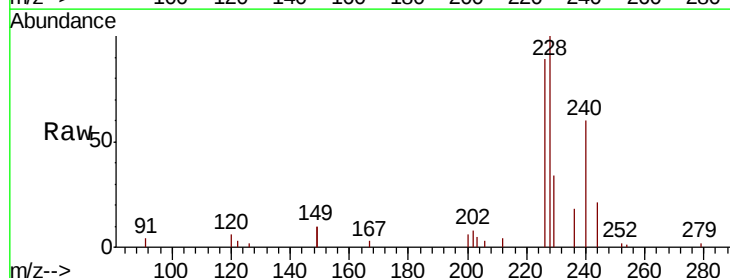
Manual Integrations
APPROVED

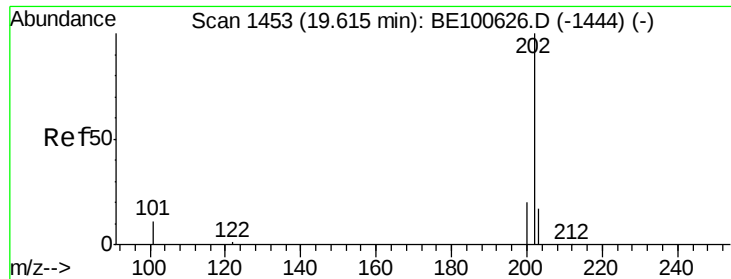
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	37475		
120	9.1		7.4	11.0
236	29.6		21.7	32.5





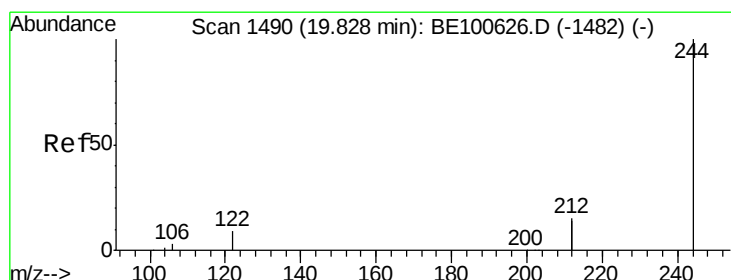
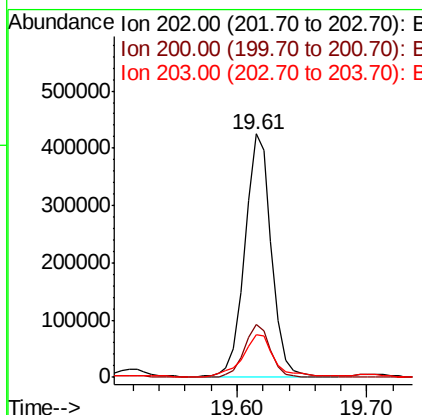
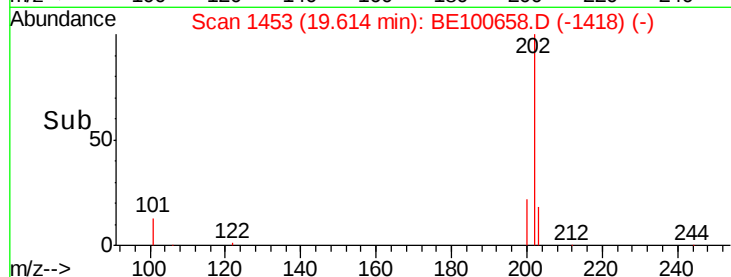
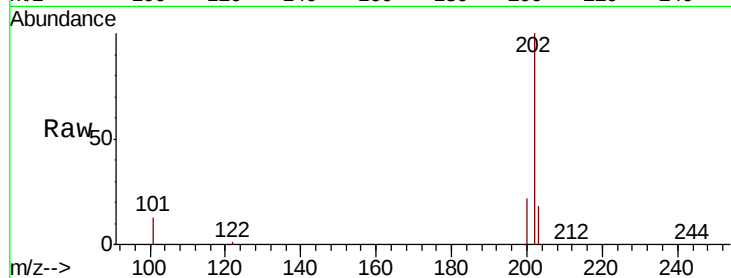
#28
Pvrene
Concen: 5.702 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	24.8
203	20.7	13.9	20.9

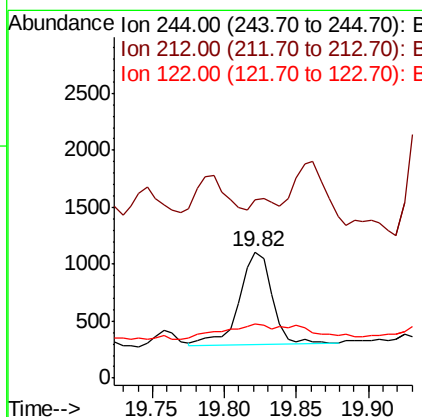
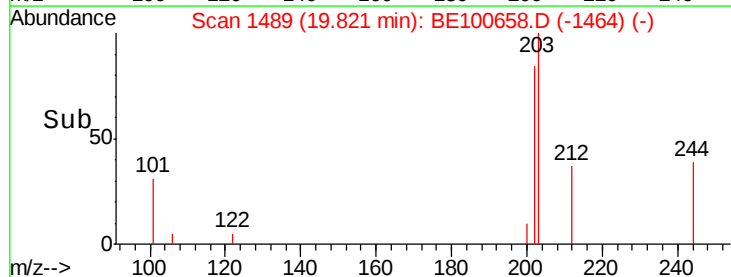
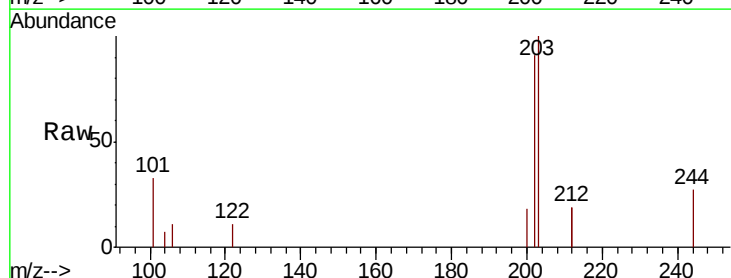
Manual Integrations
APPROVED

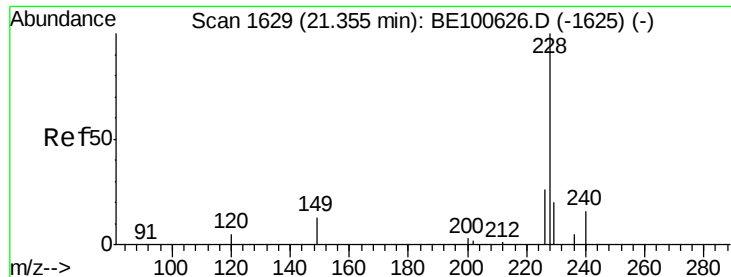
mohammad
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#29
Terphenyl-d14
Concen: 0.016 ng
RT: 19.82 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	141.3	23.9	35.9#
122	42.6	7.7	11.5#





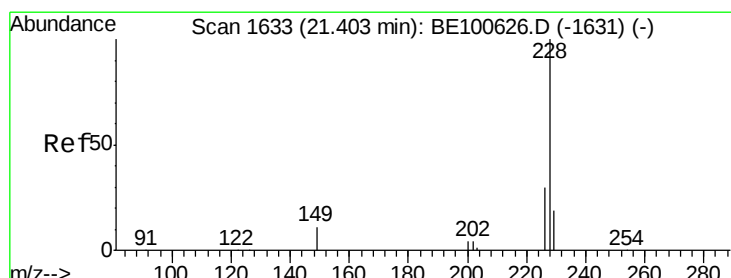
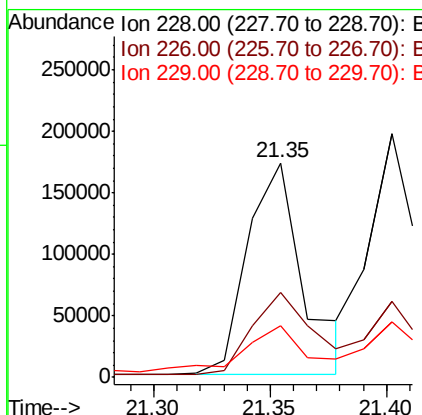
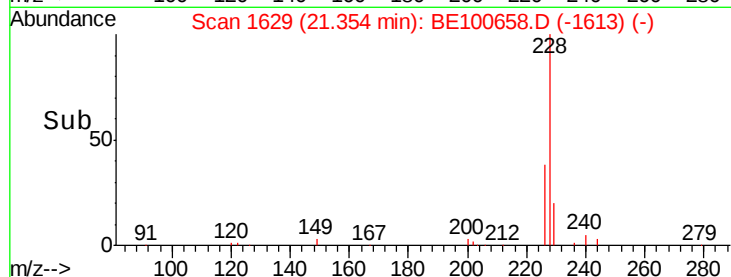
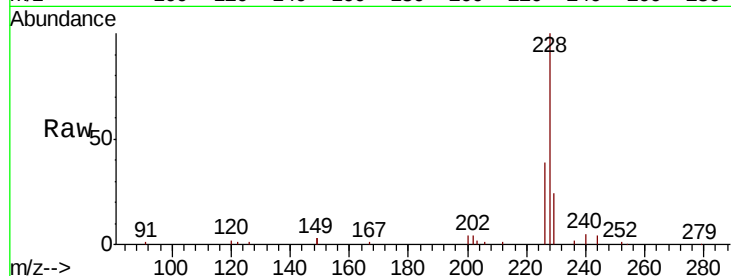
#30
Benzo(a)anthracene
Concen: 2.366 ng m
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.3	21.0	31.6#
229	23.8	15.8	23.8#

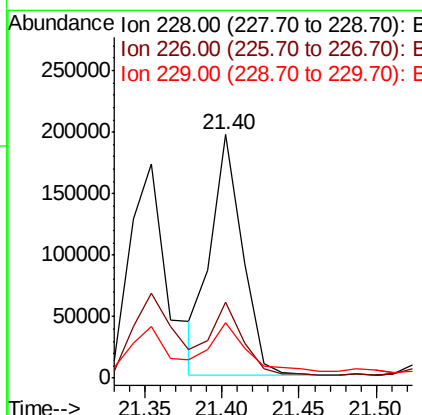
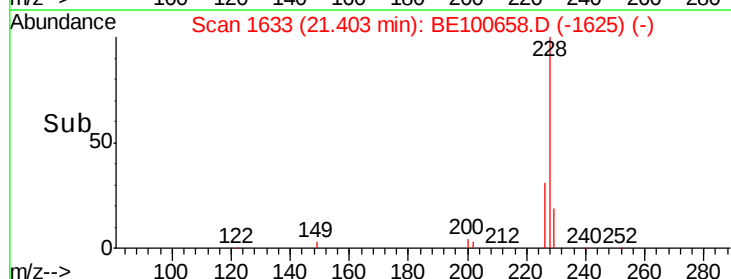
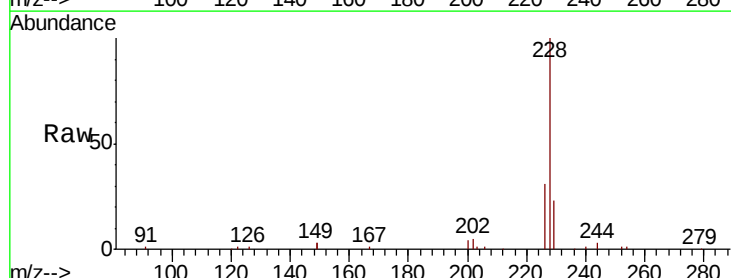
Manual Integrations
APPROVED

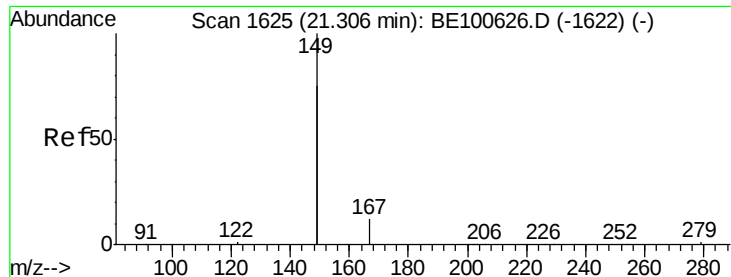
mohammad
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#31
Chrysene
Concen: 2.271 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.5	36.7
229	22.6	15.6	23.4





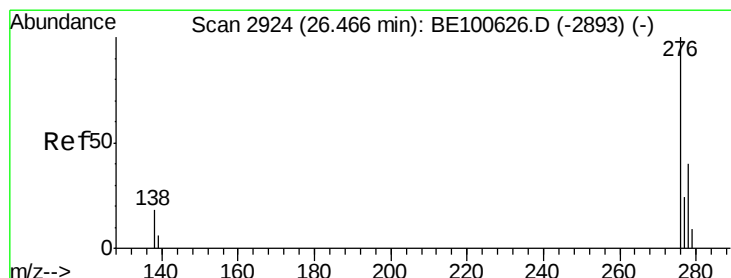
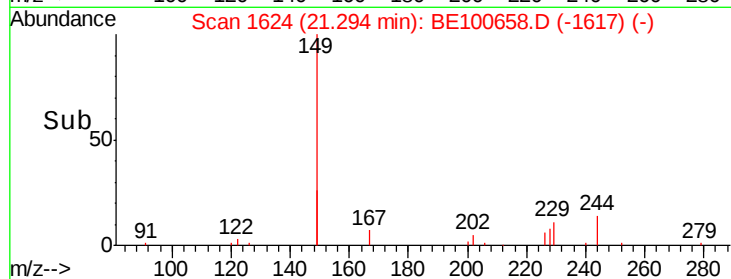
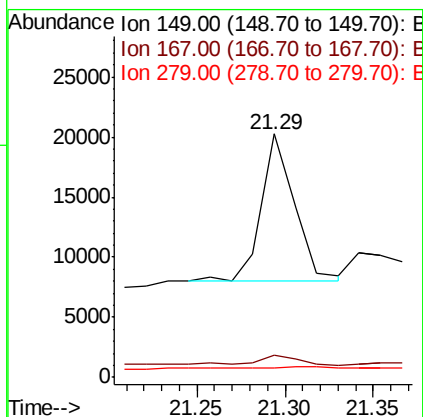
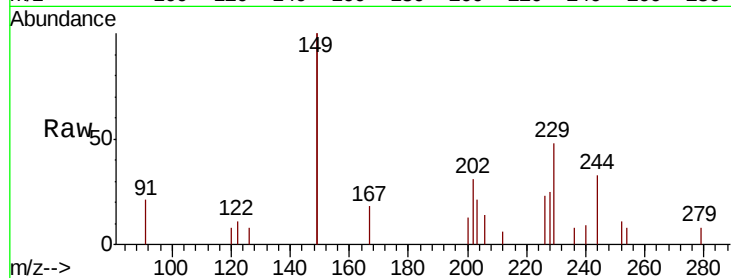
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.062 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	8.1	5.4	8.2
279	1.9	1.5	2.3

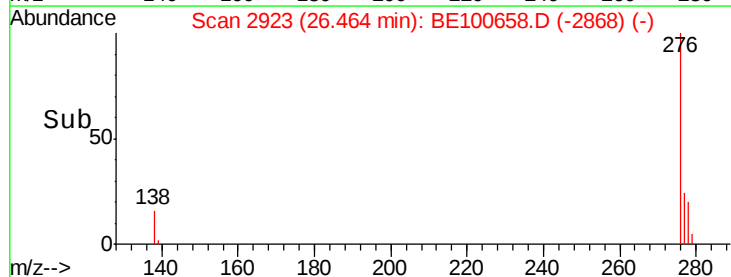
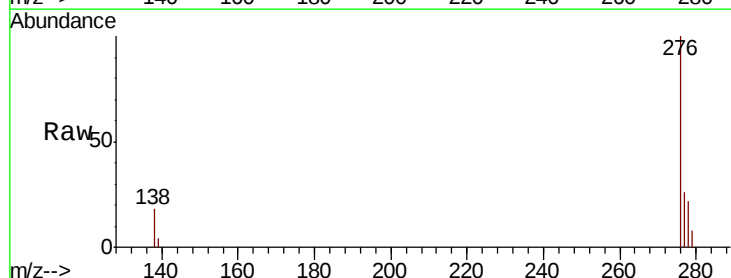
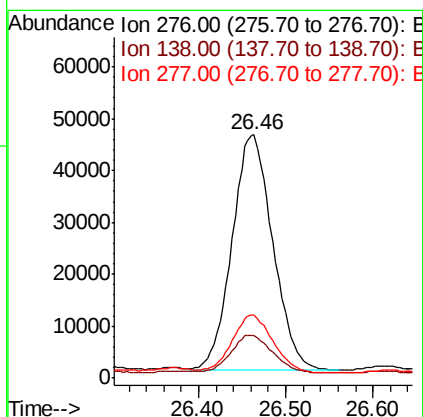
Manual Integrations
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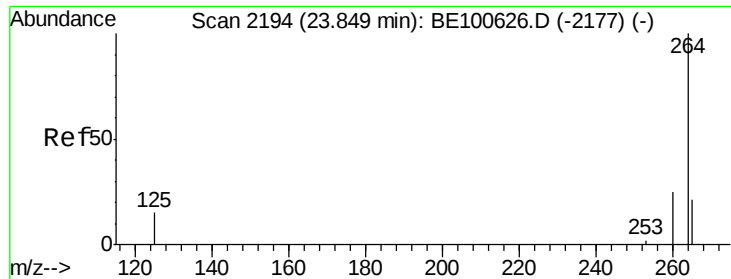
mohammad
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#33
Indeno(1,2,3-cd)pyrene
Concen: 0.982 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	16.0	24.0
277	25.0	19.7	29.5





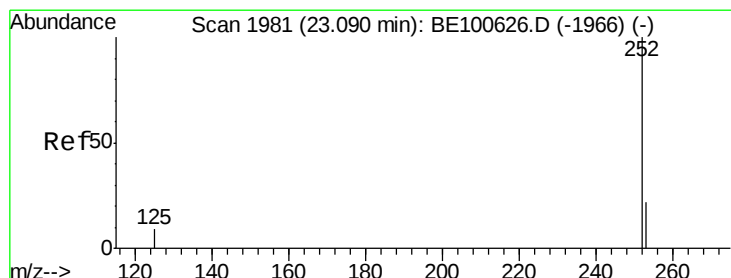
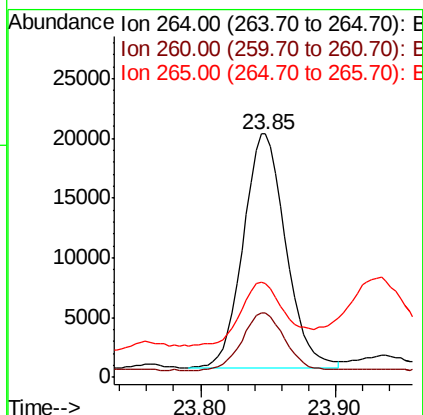
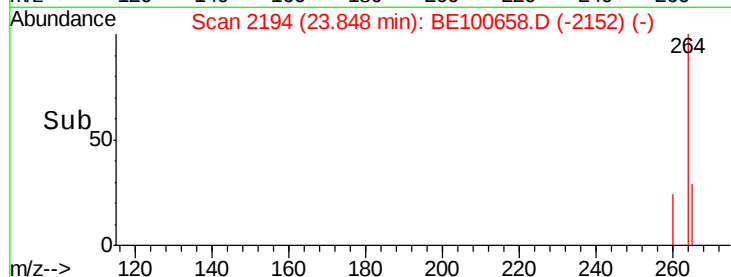
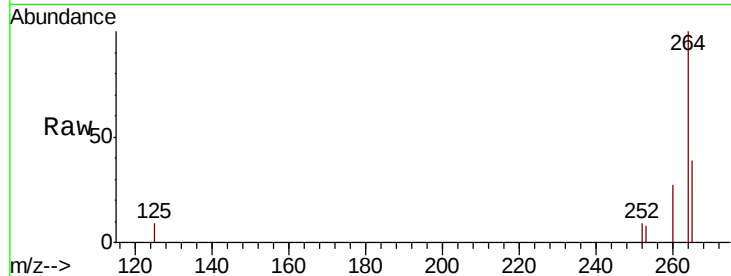
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.5	19.9	29.9
265	38.8	20.0	30.0

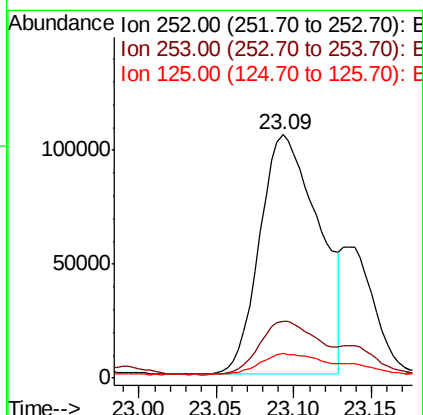
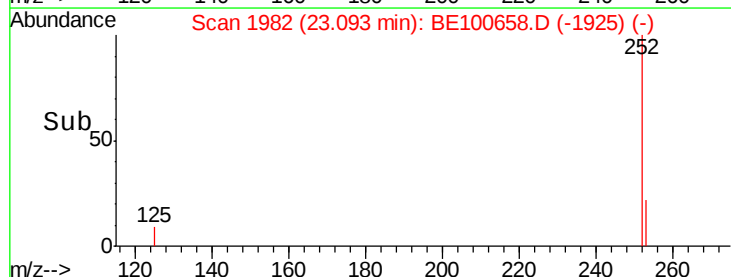
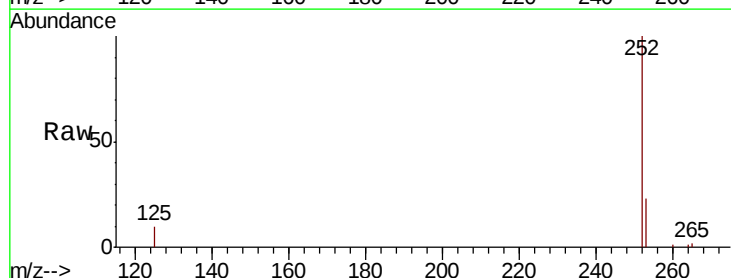
Manual Integrations
APPROVED

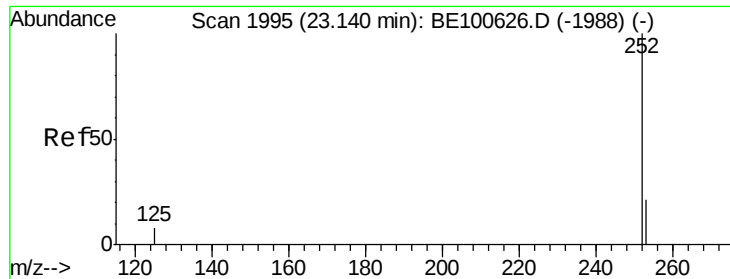
mohammad
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#35
Benzo(b)fluoranthene
Concen: 2.226 ng
RT: 23.09 min Scan# 1982
Delta R.T. 0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	10.0	7.6	11.4





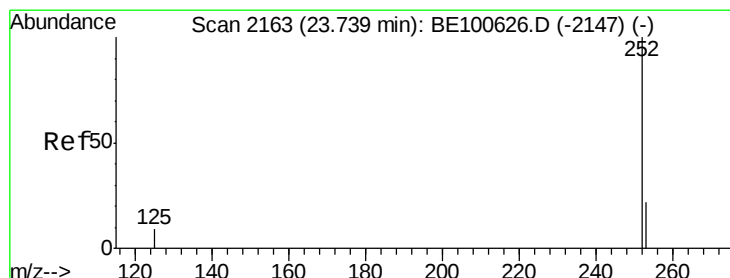
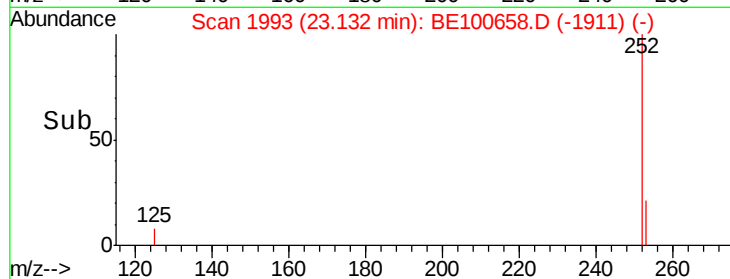
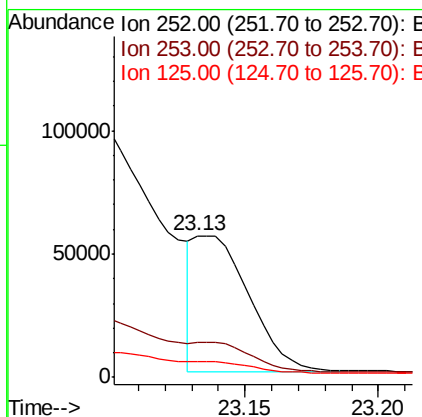
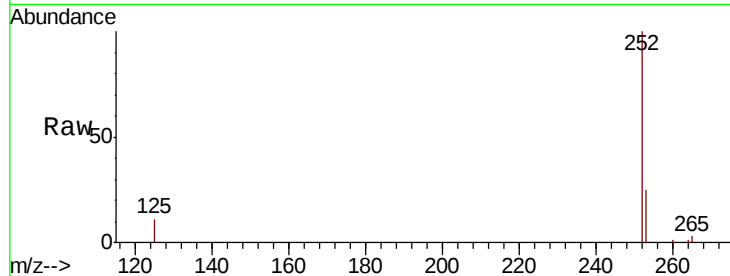
#36
Benzo(k)fluoranthene
Concen: 0.611 ng m
RT: 23.13 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	11.1	7.6	11.4

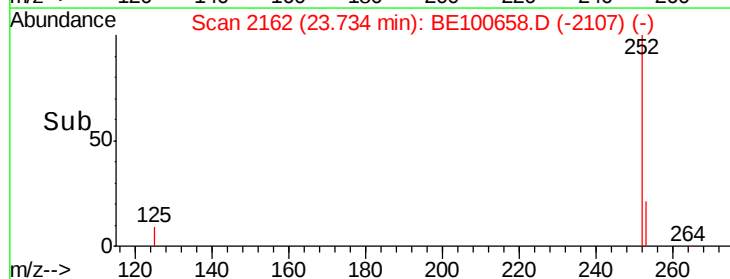
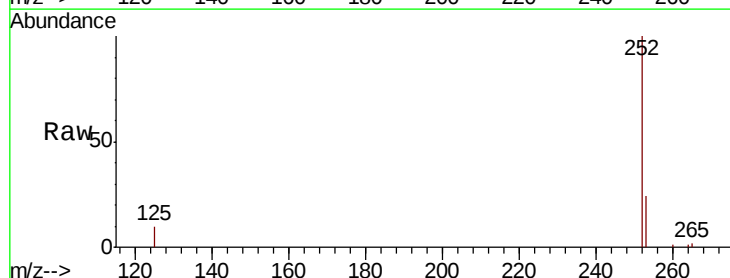
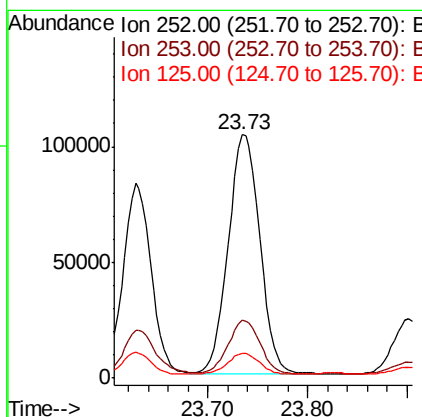
Manual Integrations
APPROVED

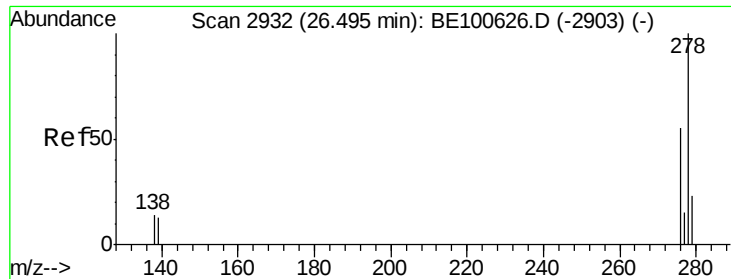
mohammad
10/20/2019 8:05:15 PM



#37
Benzo(a)pyrene
Concen: 1.953 ng
RT: 23.73 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	10.1	8.1	12.1





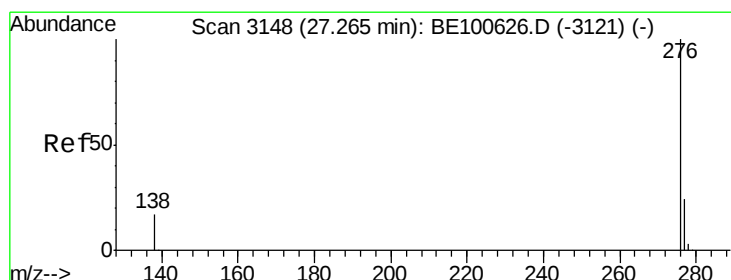
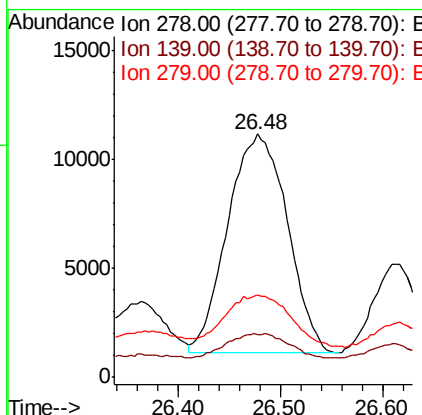
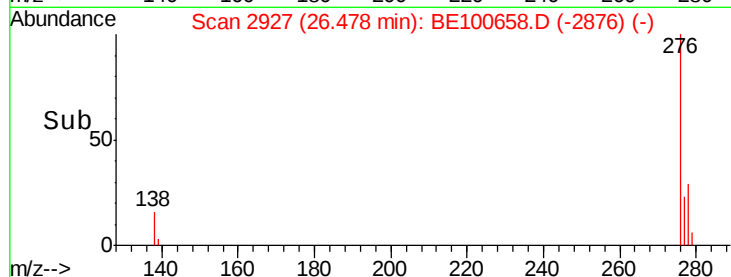
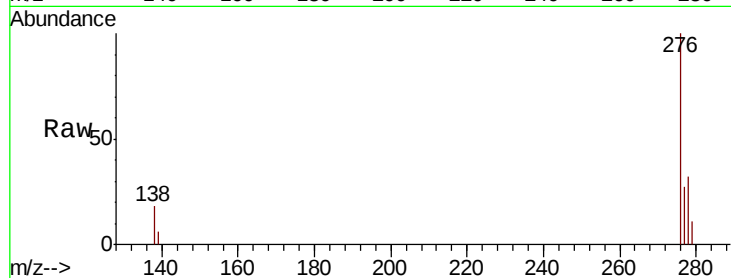
#38
Dibenzo(a,h)anthracene
Concen: 0.338 ng
RT: 26.48 min Scan# 2927
Delta R.T. -0.02 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Instrument :
BNA_E
ClientSampleId :
EXT-SW167-091819-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	11.2	16.8#
279	33.8	19.0	28.6#

Manual Integrations
APPROVED

mohammad
10/20/2019 8:05:15 PM



#39
Benzo(g,h,i)perylene
Concen: 1.373 ng
RT: 27.27 min Scan# 3148
Delta R.T. 0.00 min
Lab File: BE100658.D
Acq: 18 Oct 2019 16:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.3	28.9
138	18.0	14.5	21.7

