

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100559.D
 Acq On : 25 Sep 2019 16:37
 Operator : JU
 Sample : K4995-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW166-091819-1

Manual Integrations
 APPROVED

mohammad
 9/26/2019 3:55:47 PM

Quant Time: Sep 26 01:28:20 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	7.86	152	7028	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	32416	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	18418	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	42797	0.40	ng	0.00
27) Chrysene-d12	21.37	240	51202	0.40	ng	0.00
34) Perylene-d12	23.84	264	61043	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	5467	0.33	ng	0.00
5) Phenol-d6	7.02	99	7571	0.34	ng	0.00
8) Nitrobenzene-d5	9.00	82	5826	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	12024	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1779	0.60	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14890	0.23	ng	0.00
25) Fluoranthene-d10	19.22	212	138398	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	28099	0.23	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.69	128	56558	0.168	ng	99
12) 2-Methylnaphthalene	12.31	142	10078	0.188	ng	98
16) Acenaphthylene	14.21	152	139321	1.837	ng	99
17) Acenaphthene	14.54	154	6310	0.123	ng	98
18) Fluorene	15.51	166	24582	0.384	ng	# 84
23) Phenanthrene	17.24	178	553163	4.639	ng	99
24) Anthracene	17.34	178	84407	0.841	ng	94
26) Fluoranthene	19.26	202	1001767	6.966	ng	97
28) Pyrene	19.61	202	1278435	8.678	ng	96
30) Benzo(a)anthracene	21.34	228	561355	4.105	ng	95
31) Chrysene	21.40	228	688151	4.416	ng	96
32) Bis(2-ethylhexyl)phthalate	21.28	149	551471	3.741	ng	99
33) Indeno(1,2,3-cd)pyrene	26.45	276	393746	2.273	ng	98
35) Benzo(b)fluoranthene	23.08	252	708010	4.287	ng	98
36) Benzo(k)fluoranthene	23.13	252	266414m	1.394	ng	
37) Benzo(a)pyrene	23.73	252	571417	3.708	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	103139	0.643	ng	# 88
39) Benzo(a,h,i)perylene	27.26	276	447408	2.669	ng	98

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

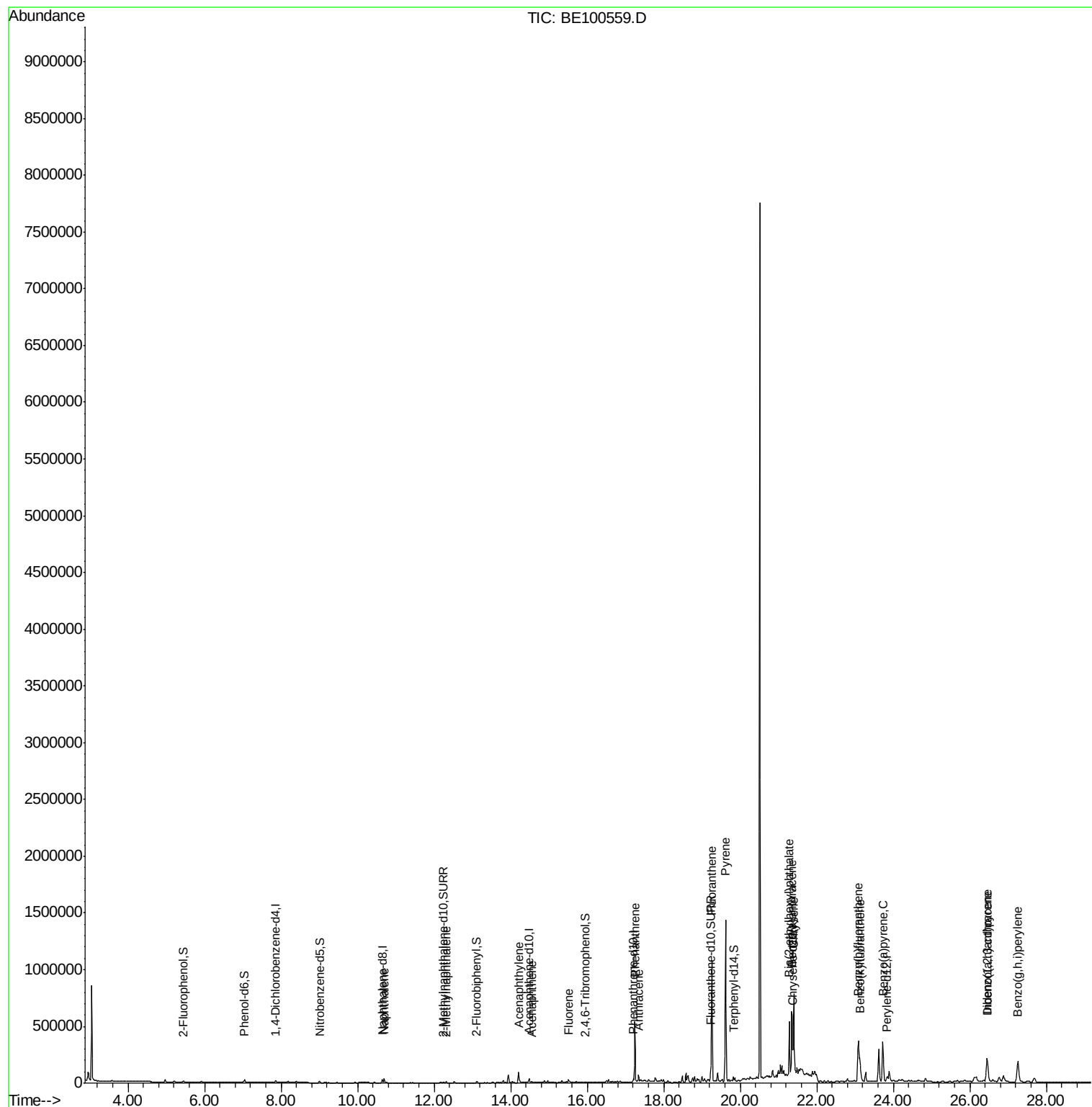
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
Data File : BE100559.D
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Sample : K4995-19
Misc :
ALS Vial : 11 Sample Multiplier: 1

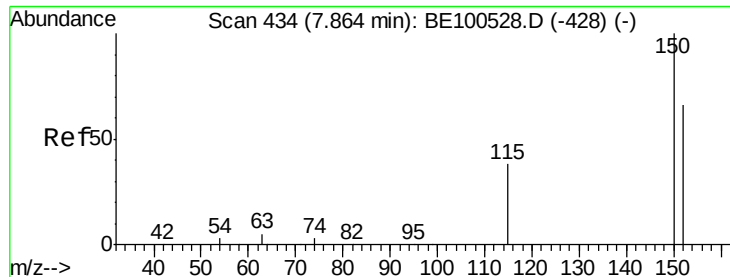
Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

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Quant Time: Sep 26 01:28:20 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

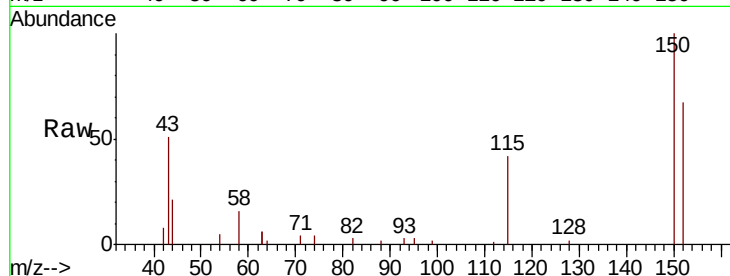
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.4	121.6	182.4
115	63.0	48.2	72.4

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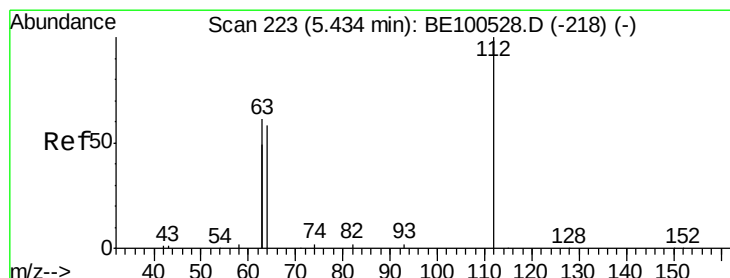
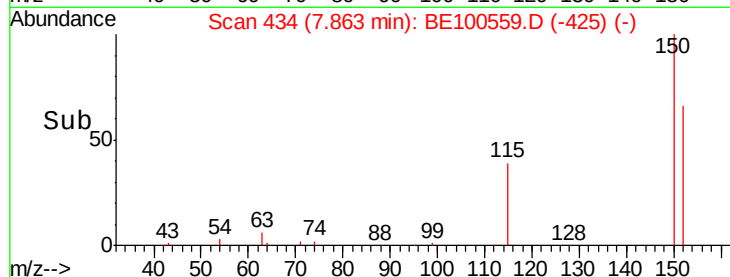
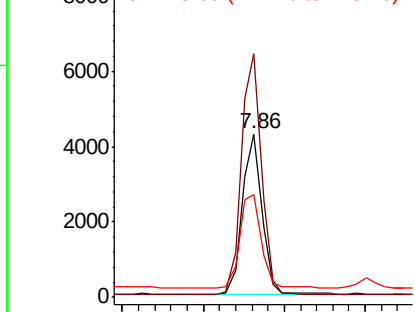


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

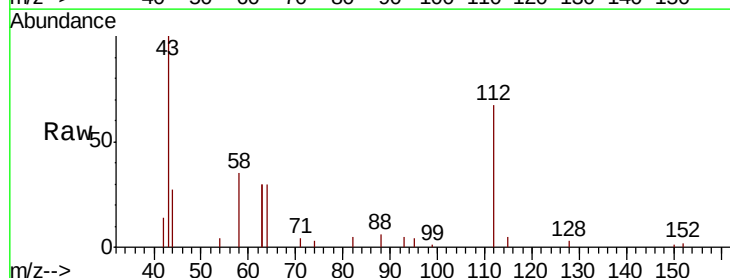
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.332 ng
RT: 5.44 min Scan# 224
Delta R.T. 0.01 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	44.1	66.1
63	110.1	86.5	129.7

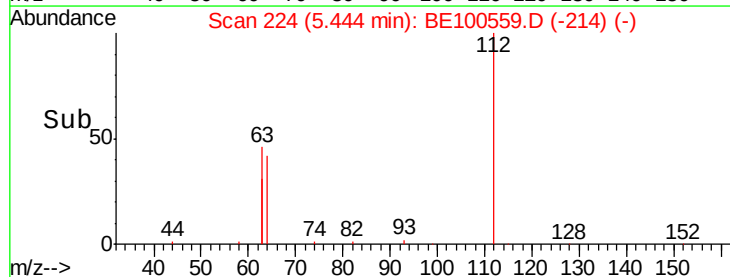
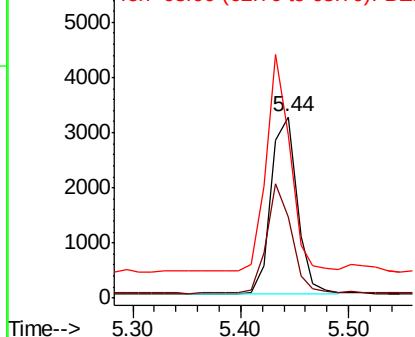


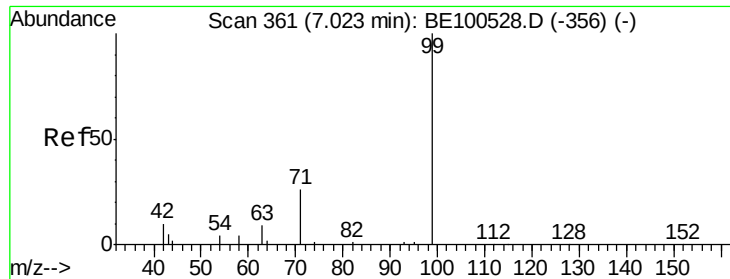
Abundance

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: 0.336 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.00 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Instrument :

BNA_E

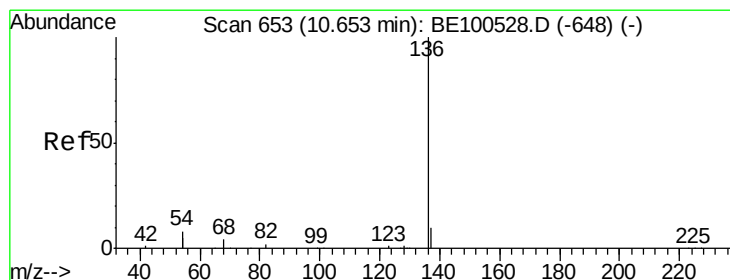
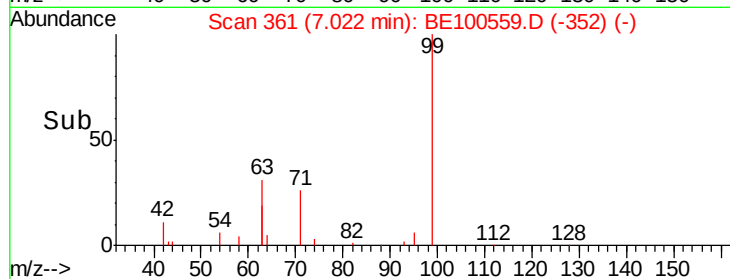
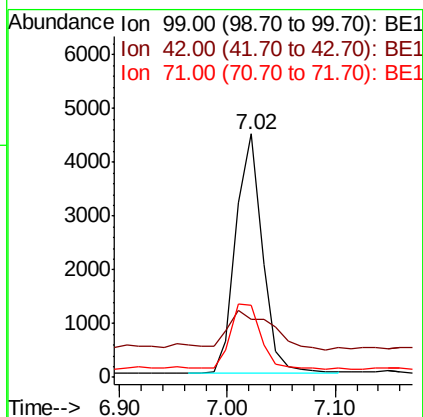
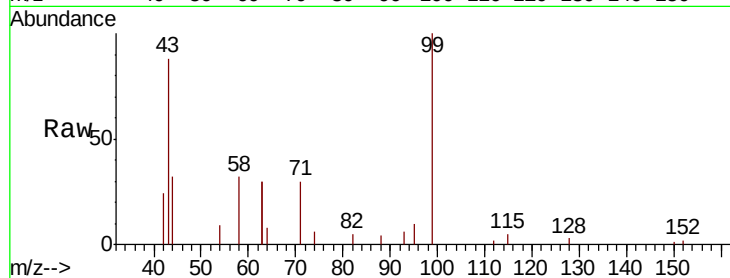
ClientSampleId :

EXT-SW166-091819-1

Tot Ion:	99	Resp:	7571
Ion	Ratio	Lower	Upper
99	100		
42	28.1	13.0	19.6#
71	30.5	23.4	35.0

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#7

Naphthalene-d8

Concen: 0.400 ng

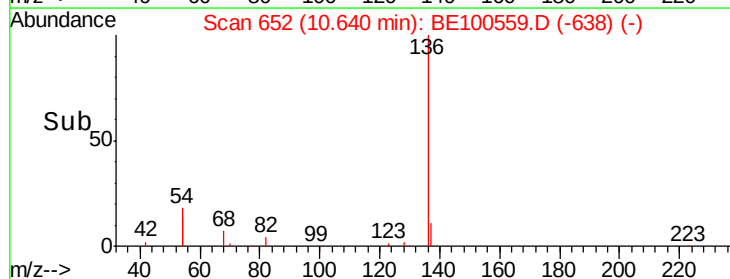
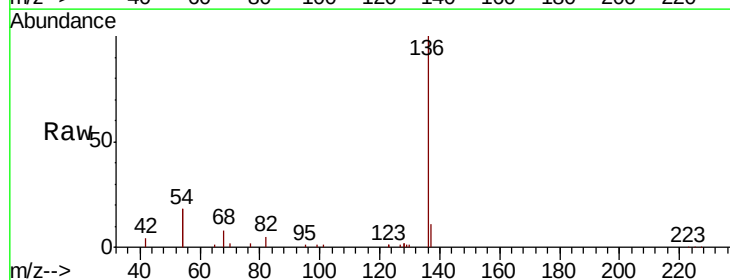
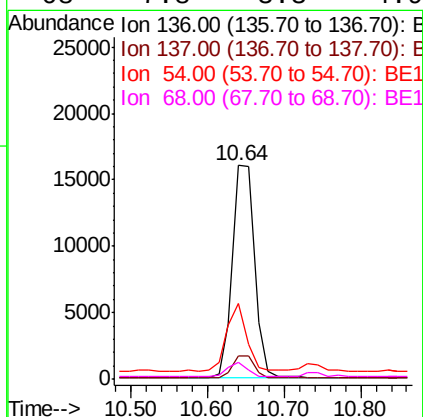
RT: 10.64 min Scan# 652

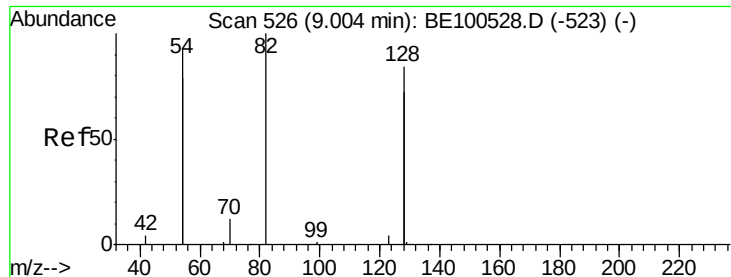
Delta R.T. -0.01 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Tgt Ion:	136	Resp:	32416
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	35.4	12.4	18.6#
68	7.8	3.3	4.9#





#8

Nitrobenzene-d5

Concen: 0.312 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Instrument :

BNA_E

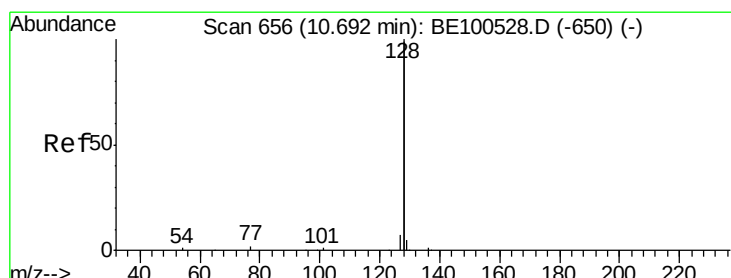
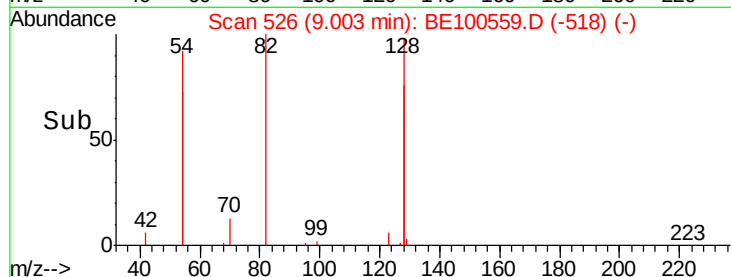
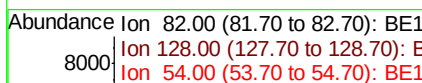
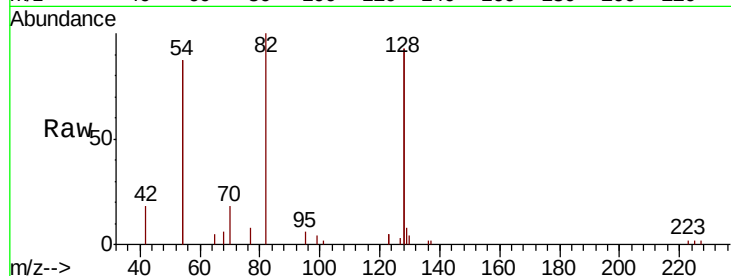
ClientSampleId :

EXT-SW166-091819-1

Tot Ion:	82	Resp:	5826
Ion	Ratio	Lower	Upper
82	100		
128	186.5	129.4	194.2
54	174.8	143.3	214.9

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#9

Naphthalene

Concen: 0.168 ng

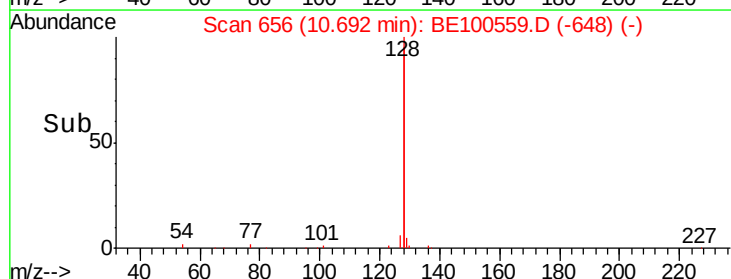
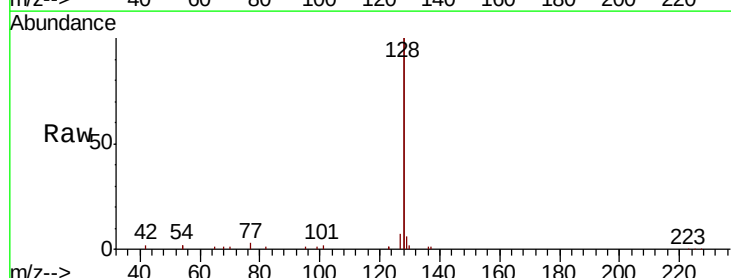
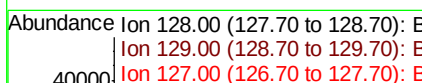
RT: 10.69 min Scan# 656

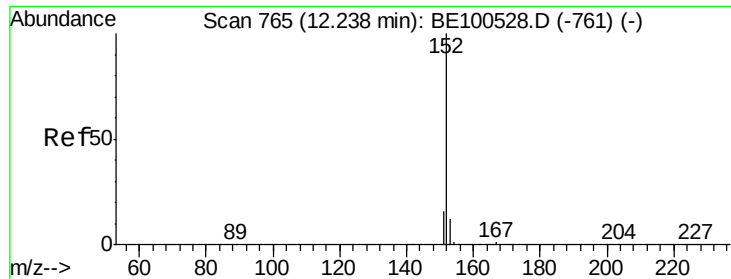
Delta R.T. -0.00 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Tgt Ion:	128	Resp:	56558
Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.2	3.4
127	3.5	2.7	4.1





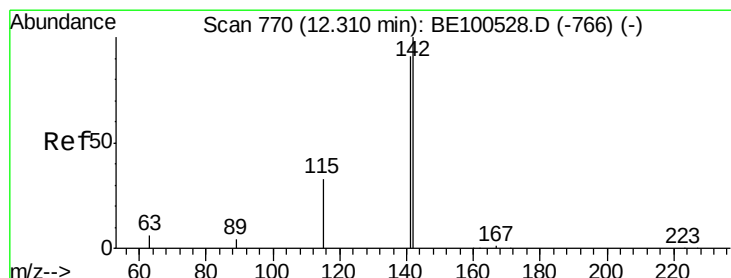
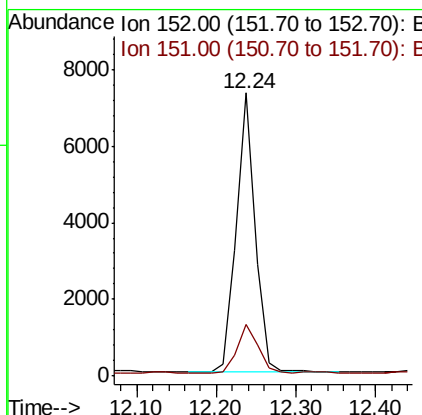
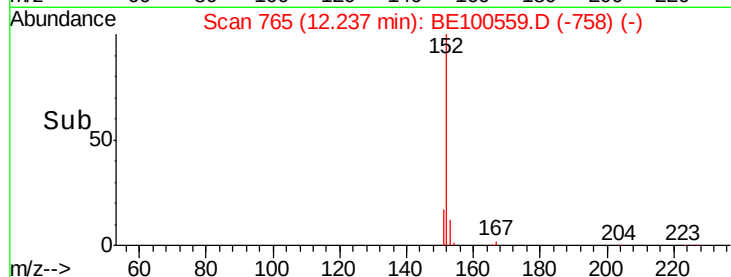
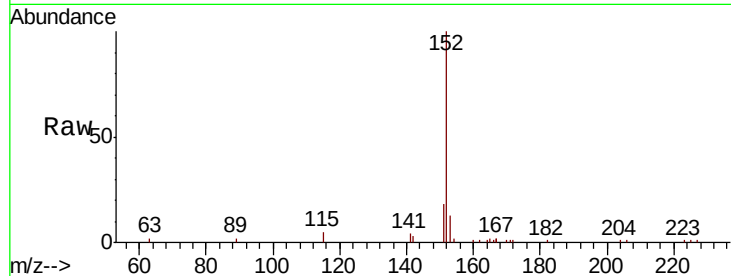
#11
2-Methylnaphthalene-d10
Concen: 0.248 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9

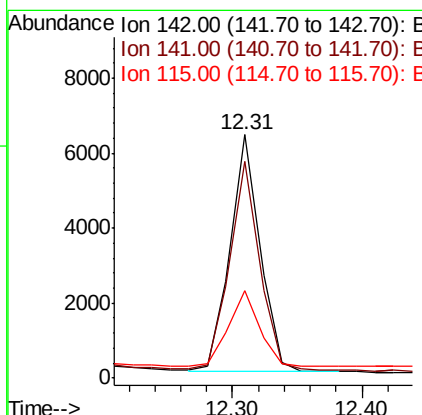
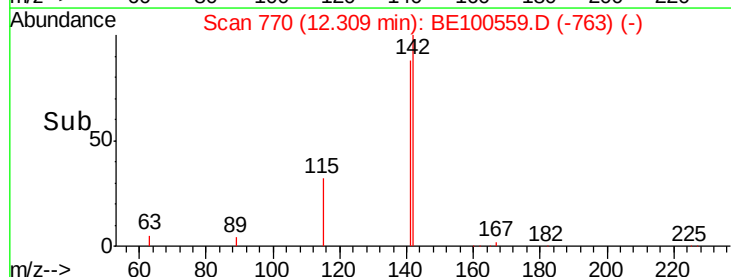
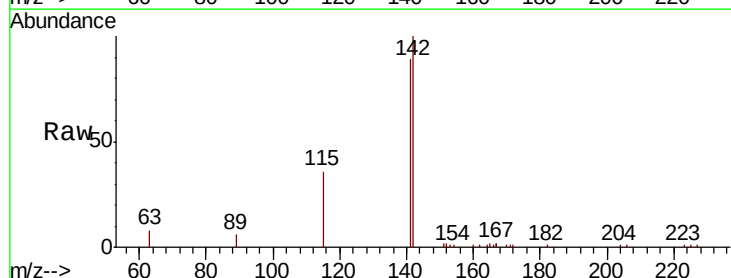
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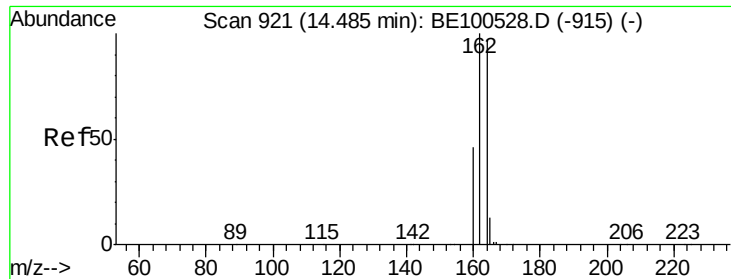
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#12
2-Methylnaphthalene
Concen: 0.188 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.5	108.7
115	36.0	27.2	40.8





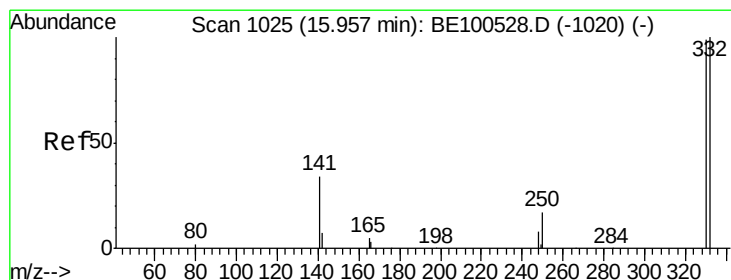
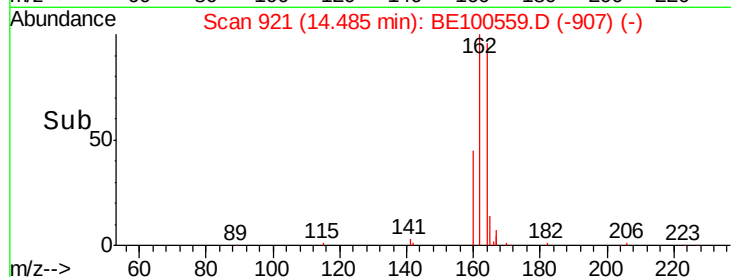
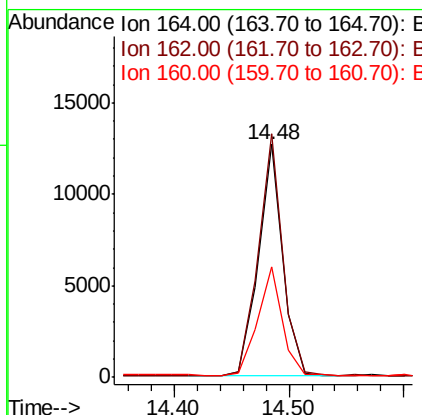
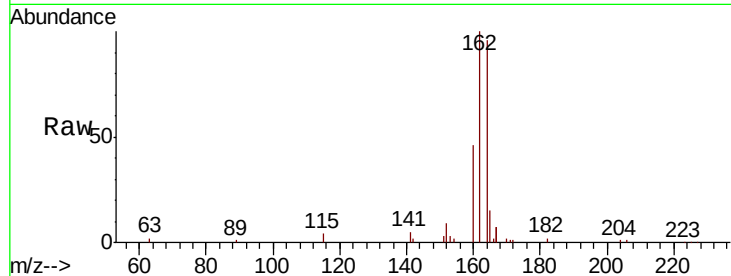
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.1	123.1
160	47.6	37.6	56.4

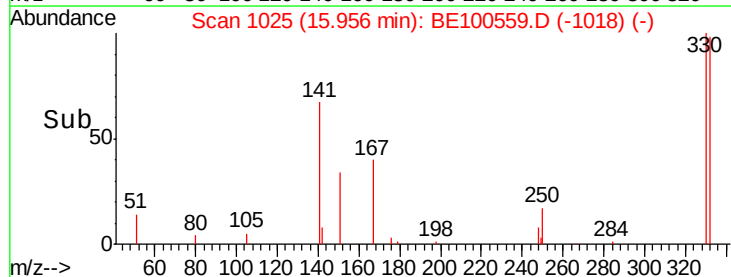
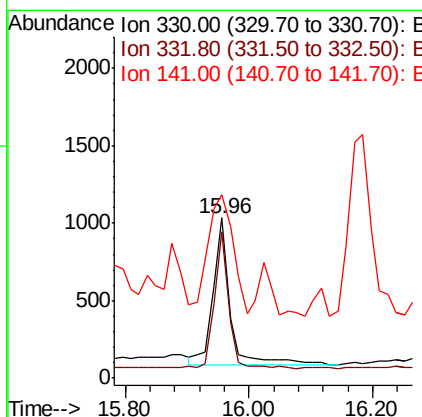
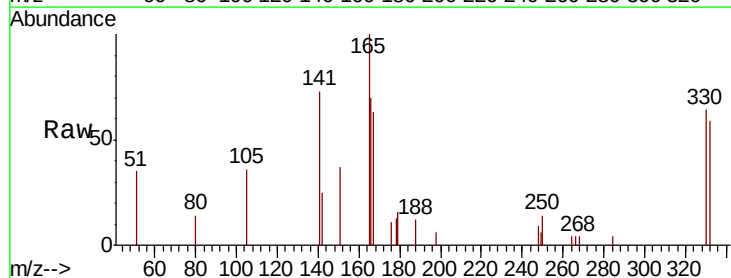
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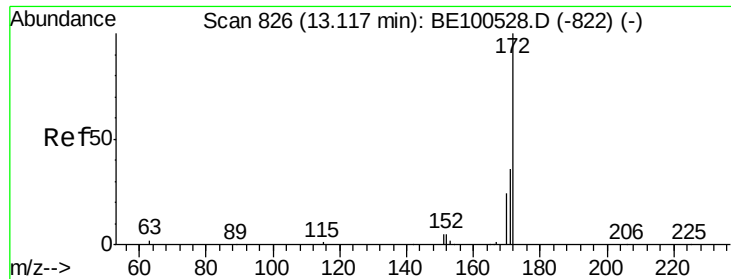
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#14
2,4,6-Tribromophenol
Concen: 0.597 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
330	100		
332	79.0	75.5	113.3
141	120.6	42.3	63.5#





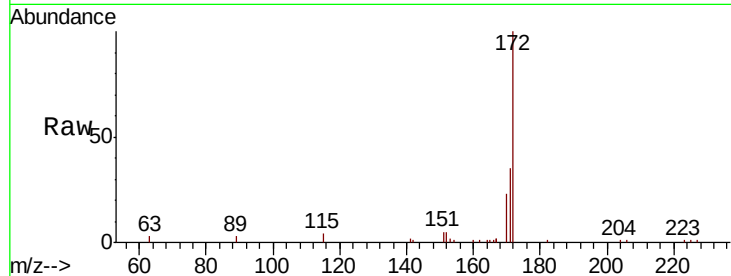
#15
2-Fluorobiphenyl
Concen: 0.226 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.0	19.4	29.0

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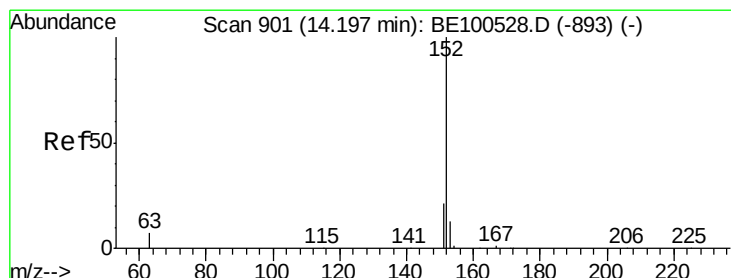
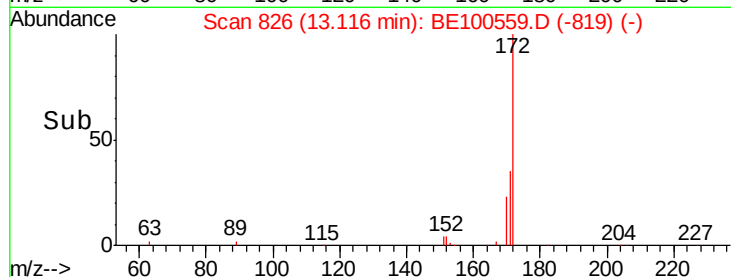
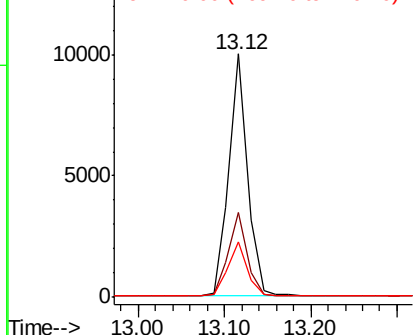


Abundance

Ion 172.00 (171.70 to 172.70): E

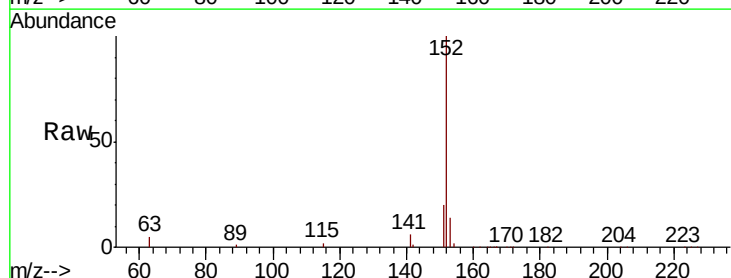
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 1.837 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	13.3	10.7	16.1

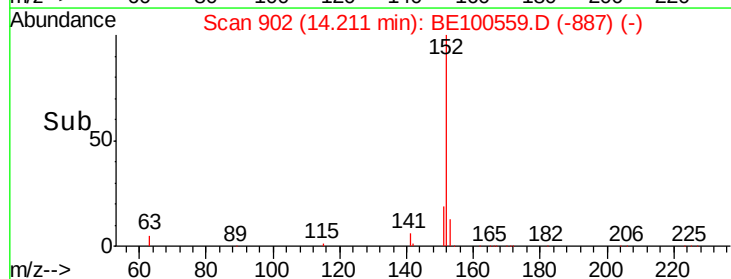
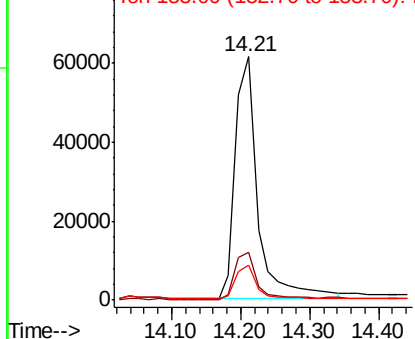


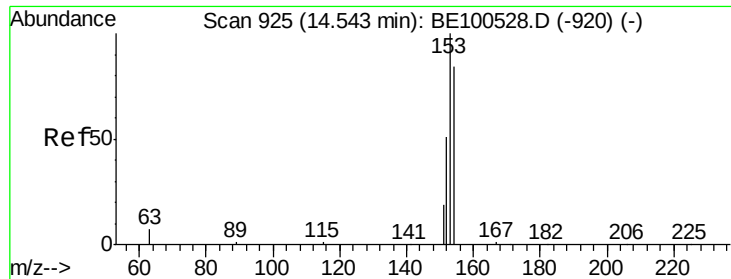
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





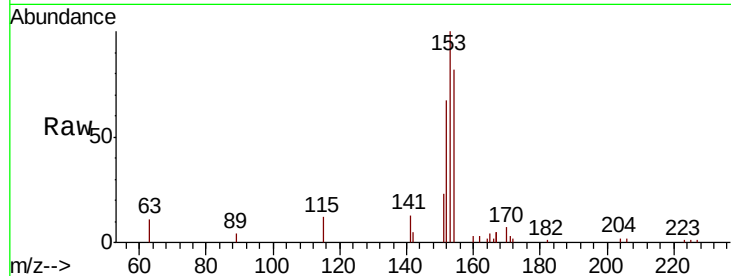
#17
Acenaphthene
Concen: 0.123 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.3	93.7	140.5
152	57.9	47.3	70.9

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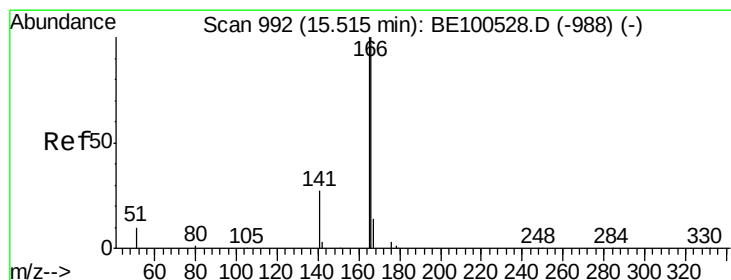
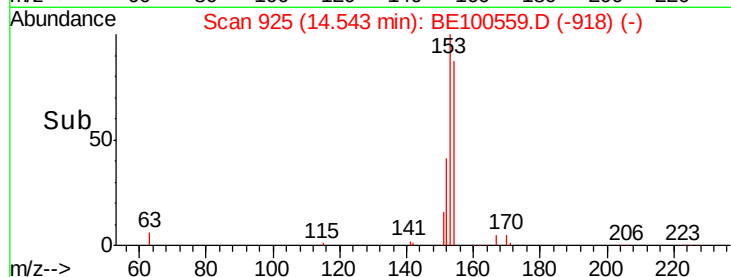
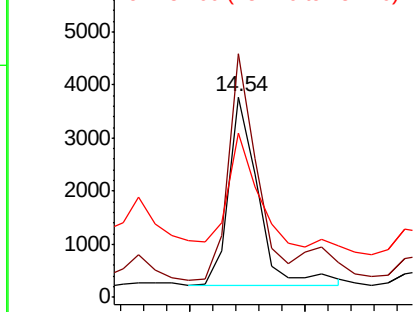


Abundance

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: 0.384 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

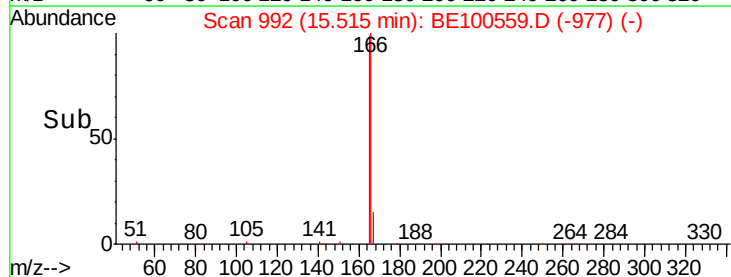
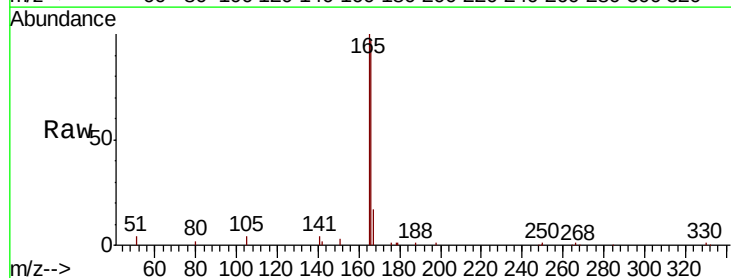
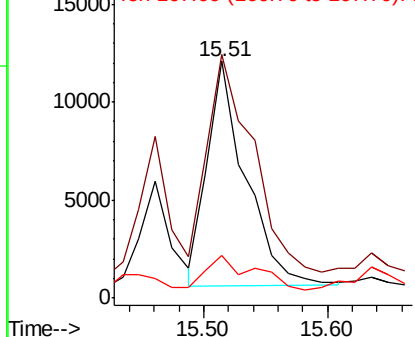
Tgt Ion	Ratio	Lower	Upper
166	100		
165	116.3	80.1	120.1
167	18.3	10.9	16.3#

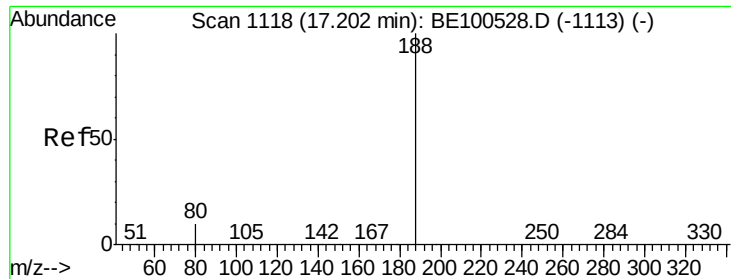
Abundance

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





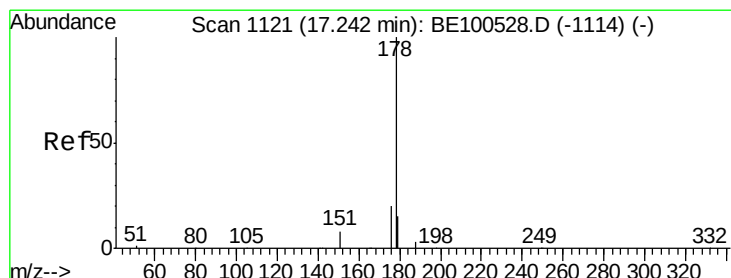
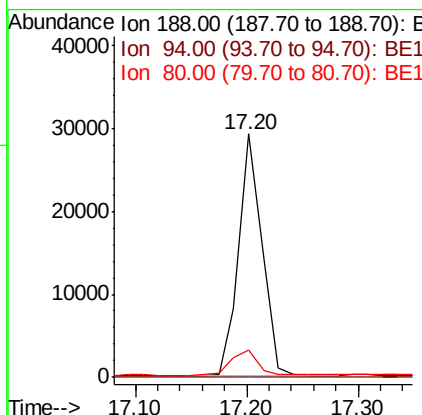
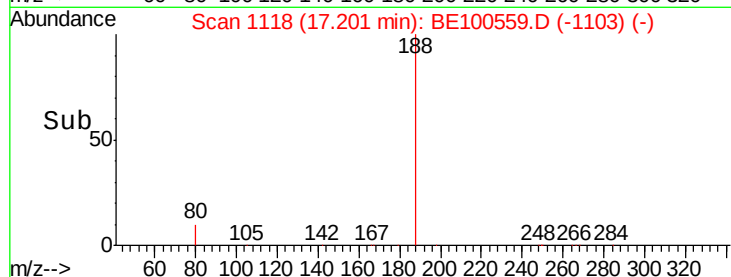
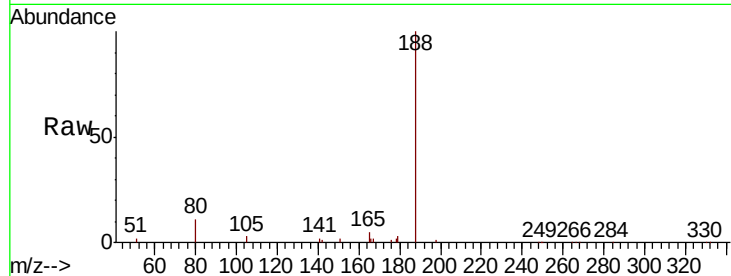
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	42797		
94	0.0	0.0	0.0	0.0
80	11.0	8.0	12.0	

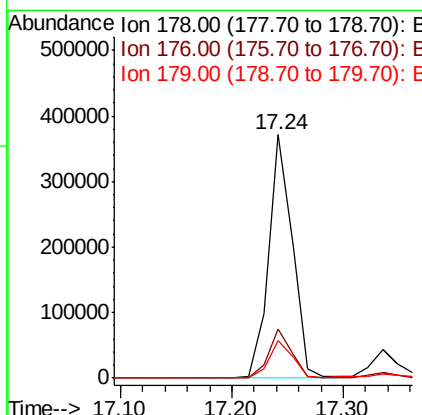
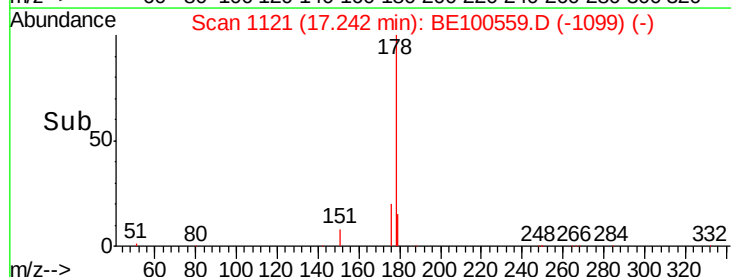
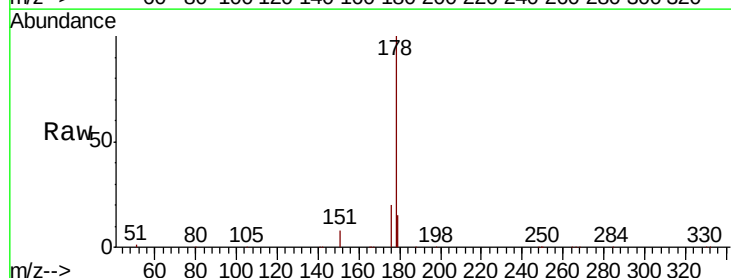
Manual Integrations
APPROVED

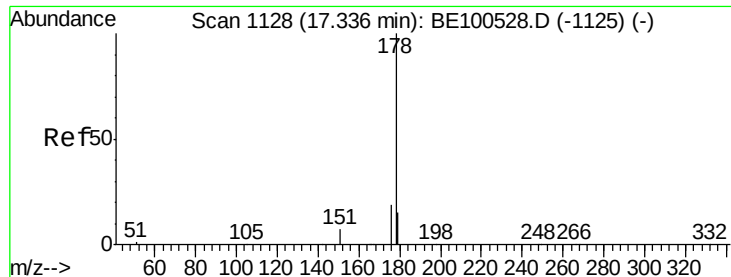
mohammad
9/26/2019 3:55:47 PM



#23
Phenanthrene
Concen: 4.639 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	553163		
176	19.6	15.4	23.2	
179	15.6	12.6	18.8	





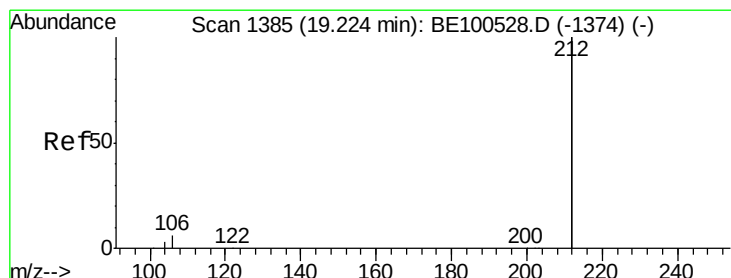
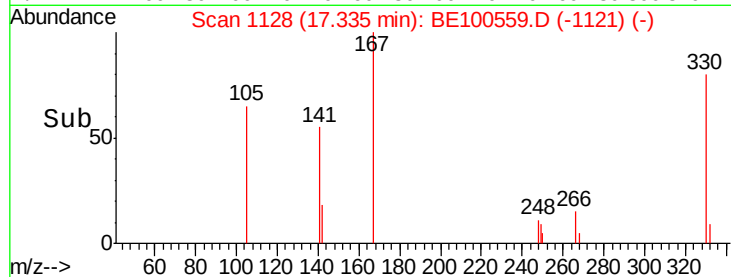
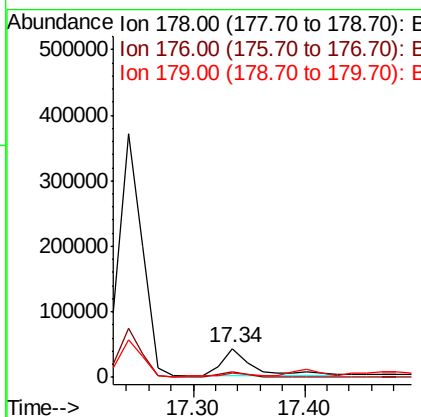
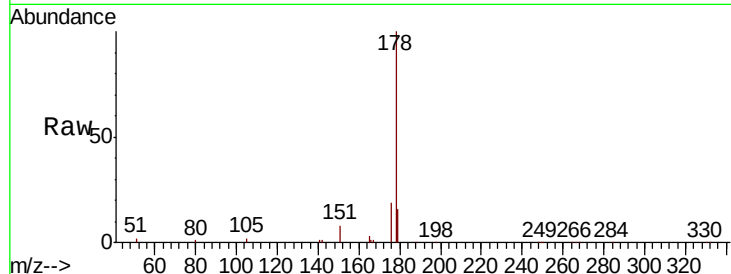
#24
 Anthracene
 Concen: 0.841 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BE100559.D
 Acq: 25 Sep 2019 16:37

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	15.6	15.2	22.8
179	13.4	12.2	18.4

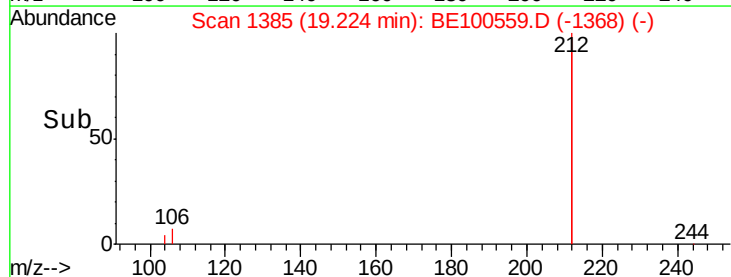
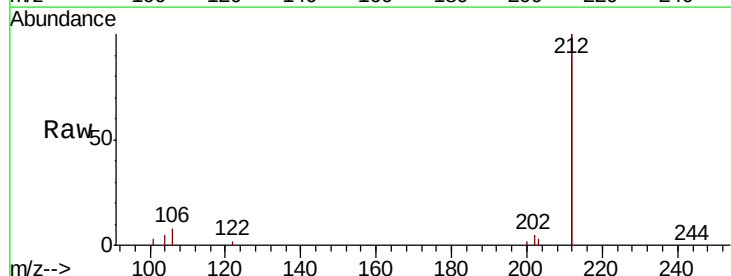
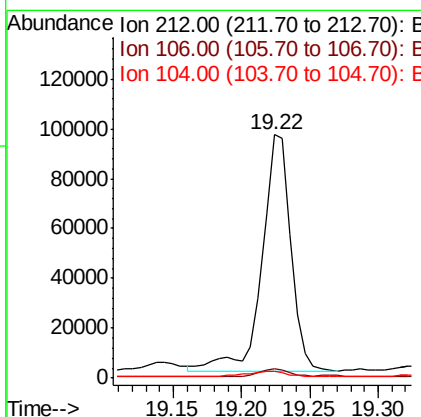
Manual Integrations
 APPROVED

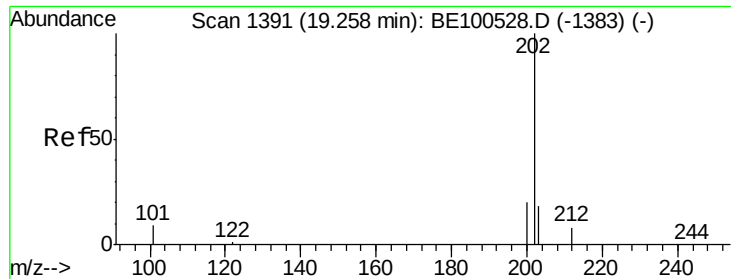
mohammad
 9/26/2019 3:55:47 PM



#25
 Fluoranthene-d10
 Concen: 0.272 ng
 RT: 19.22 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: BE100559.D
 Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.3	3.5
104	3.3	1.3	1.9#





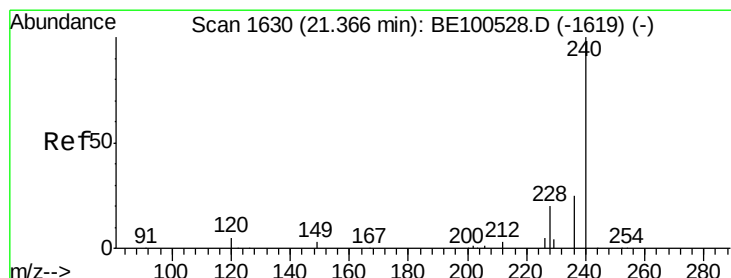
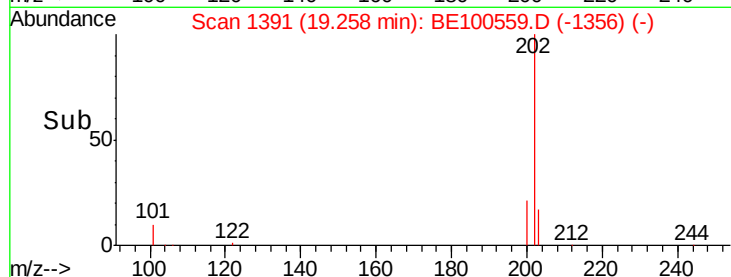
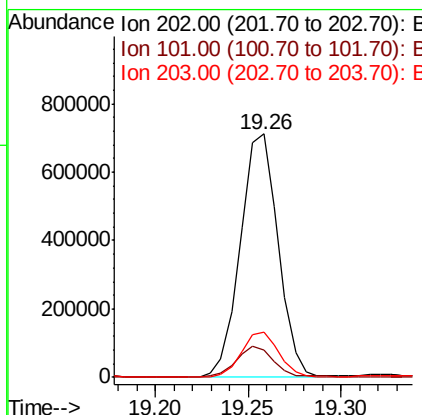
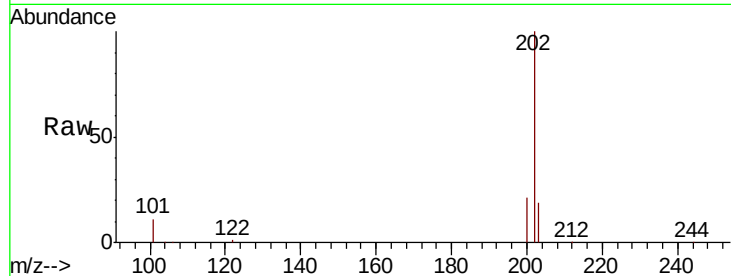
#26
Fluoranthene
Concen: 6.966 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	8.8	13.2
203	18.1	13.7	20.5

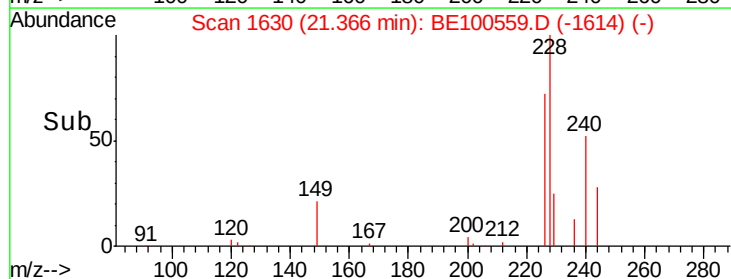
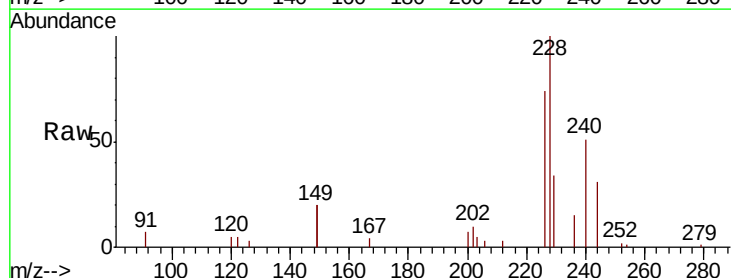
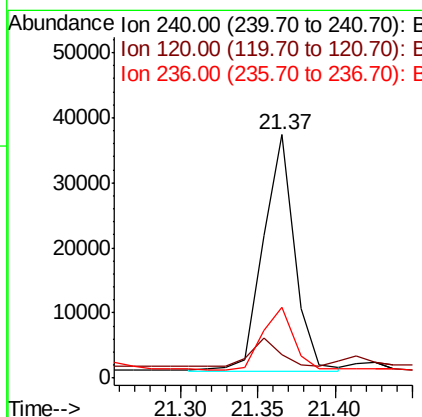
Manual Integrations
APPROVED

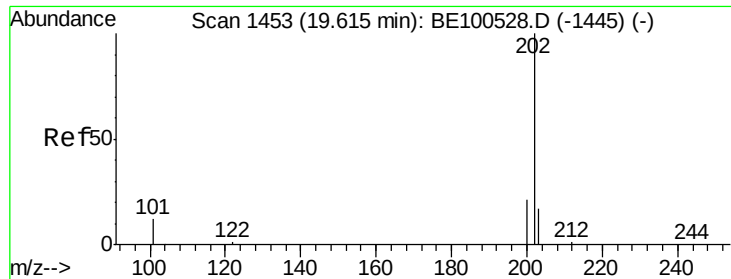
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	4.5	6.7#
236	29.0	20.6	30.8





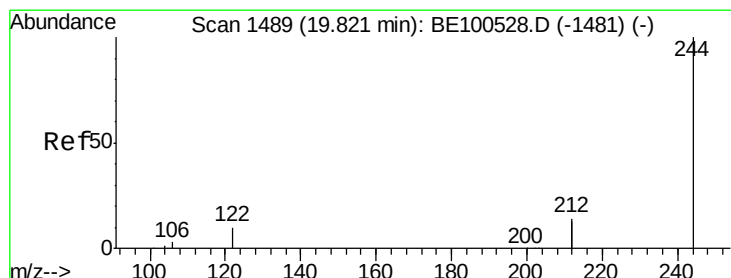
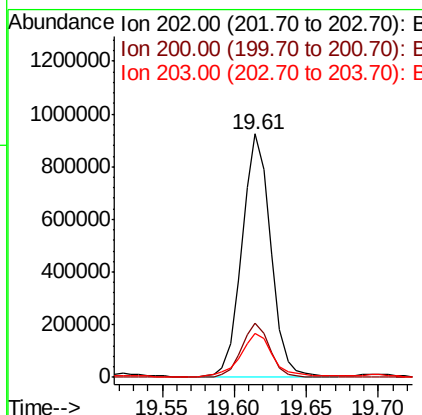
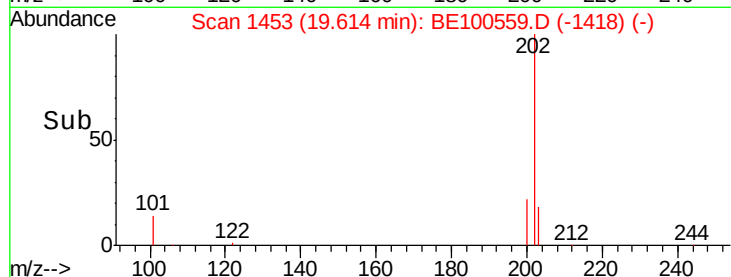
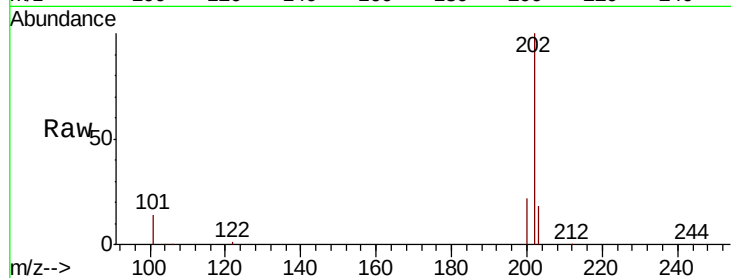
#28
Pvrene
Concen: 8.678 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.6	25.0
203	20.1	14.0	21.0

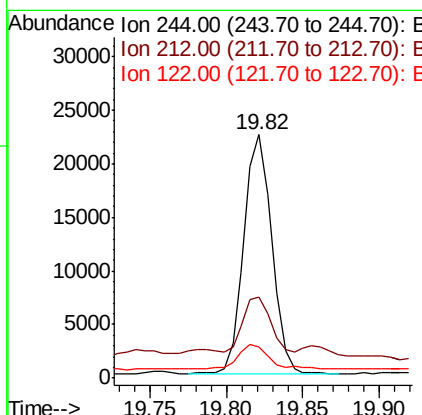
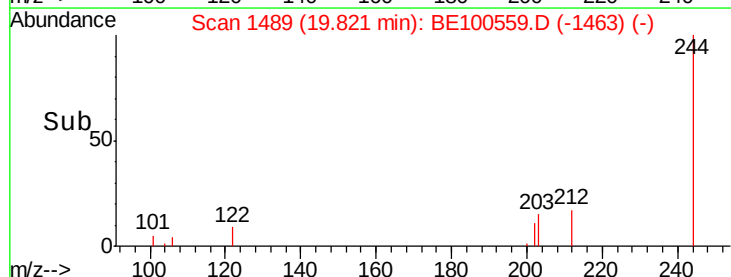
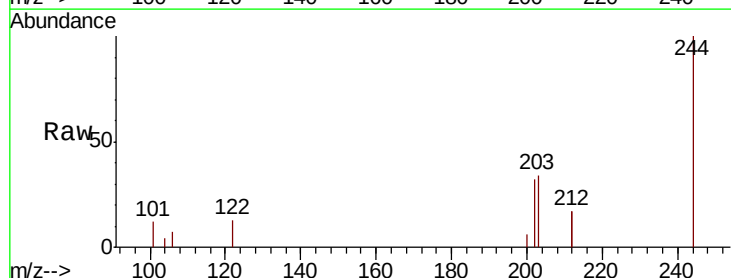
Manual Integrations
APPROVED

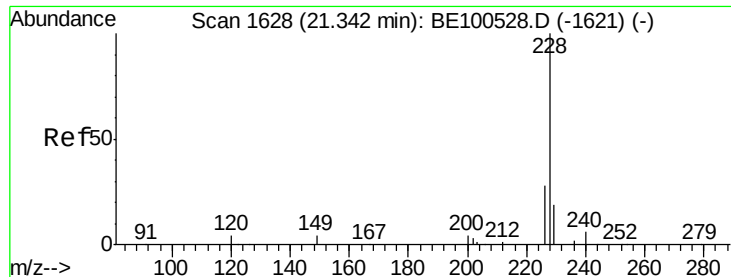
mohammad
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#29
Terphenyl-d14
Concen: 0.232 ng
RT: 19.82 min Scan# 1489
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	33.5	22.2	33.2#
122	12.8	8.3	12.5#





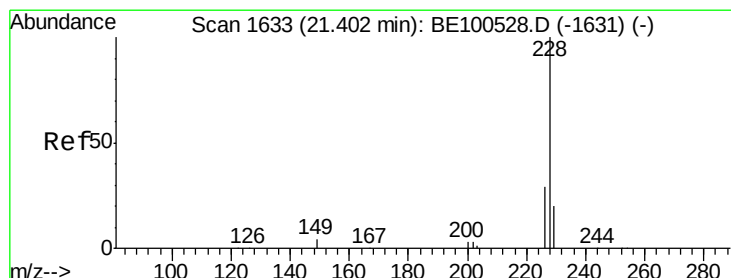
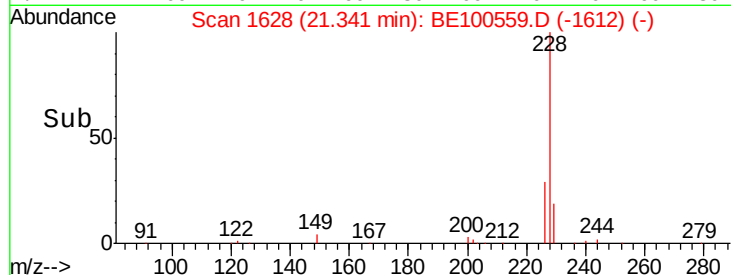
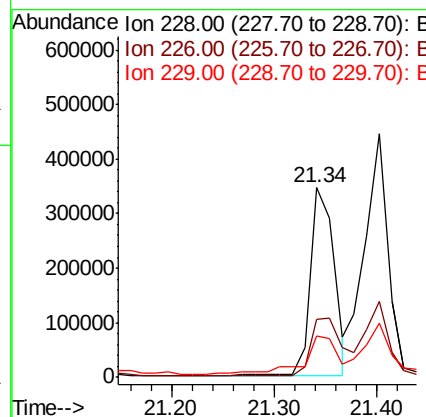
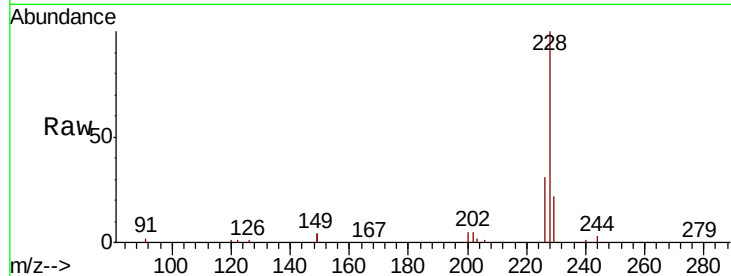
#30
Benzo(a)anthracene
Concen: 4.105 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.5	33.7
229	22.0	15.4	23.2

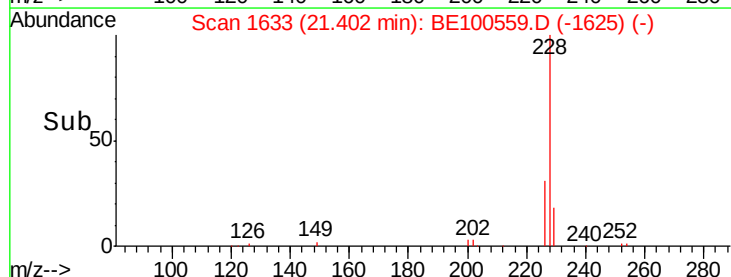
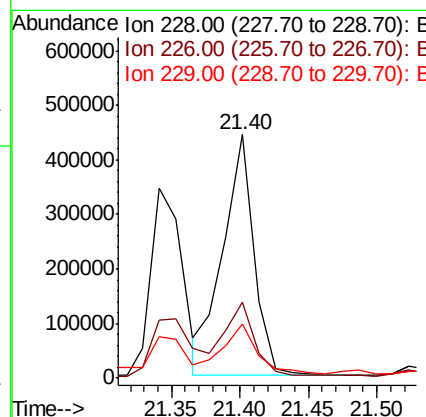
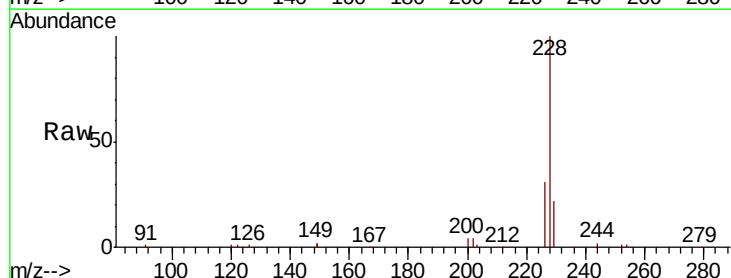
Manual Integrations
APPROVED

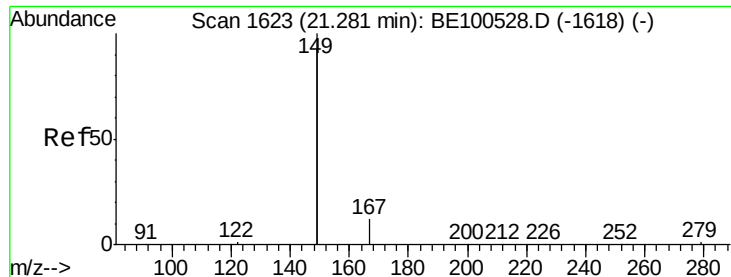
mohammad
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#31
Chrysene
Concen: 4.416 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.3	34.9
229	22.4	16.3	24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.741 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Instrument :

BNA_E

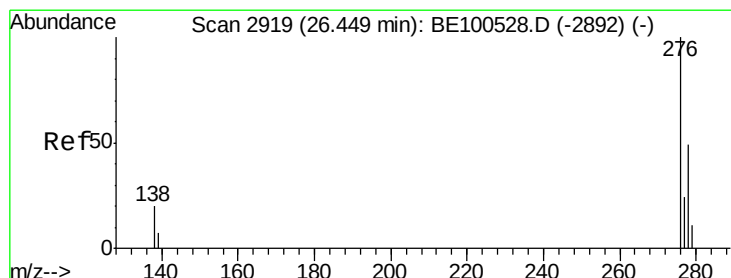
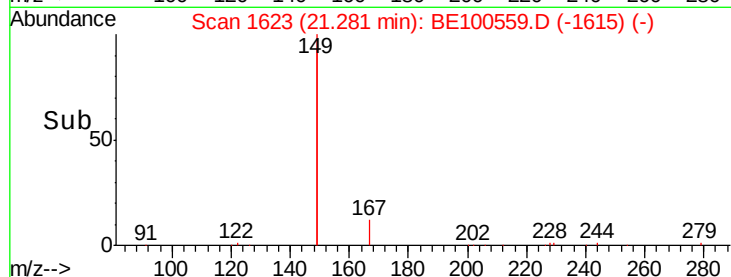
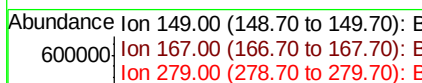
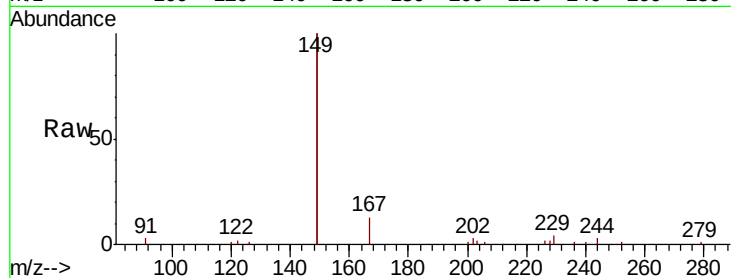
ClientSampleId :

EXT-SW166-091819-1

Tot Ion:	149	Resp:	551471
Ion Ratio	Lower	Upper	
149	100		
167	6.3	5.2	7.8
279	1.0	1.0	1.4

Manual Integrations
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#33

Indeno(1,2,3-cd)pyrene

Concen: 2.273 ng

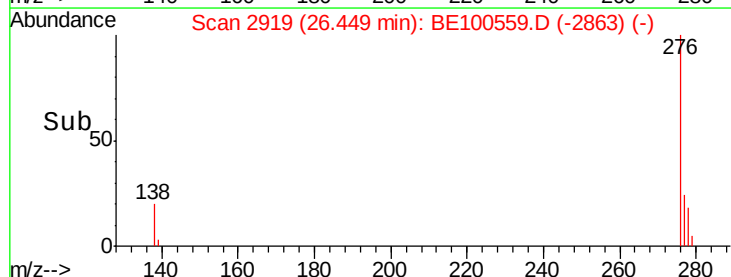
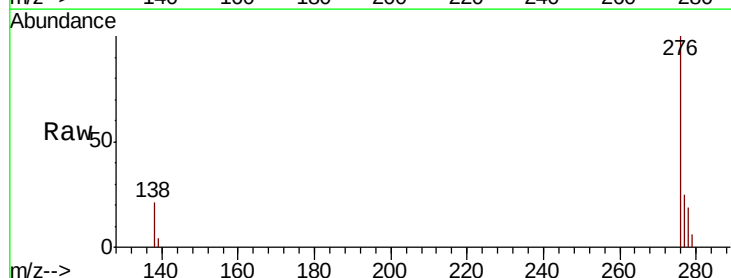
RT: 26.45 min Scan# 2919

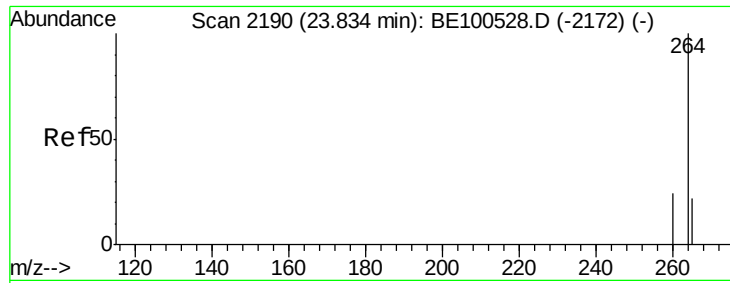
Delta R.T. -0.00 min

Lab File: BE100559.D

Acq: 25 Sep 2019 16:37

Tgt Ion:	276	Resp:	393746
Ion Ratio	Lower	Upper	
276	100		
138	20.8	17.7	26.5
277	25.3	19.9	29.9





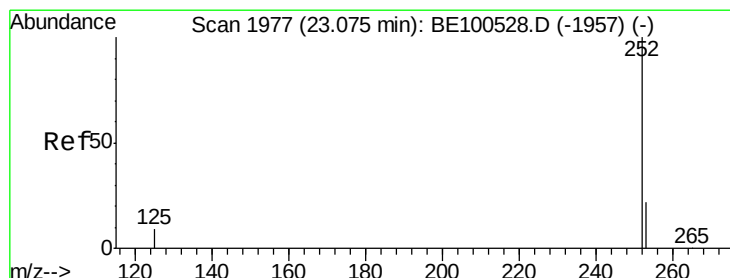
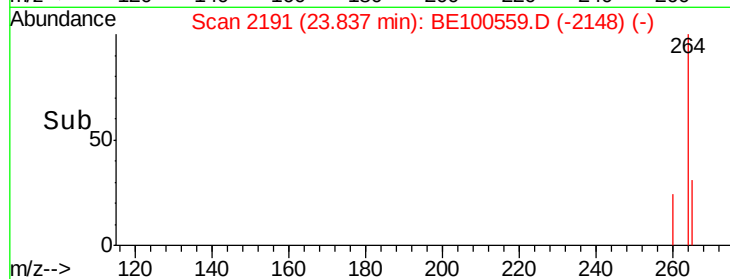
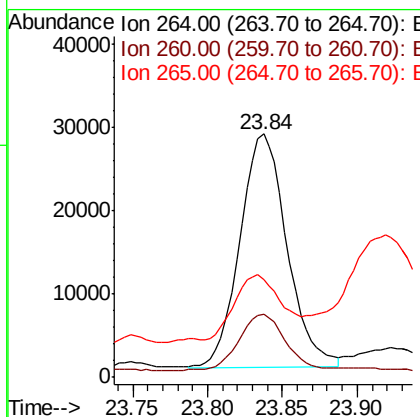
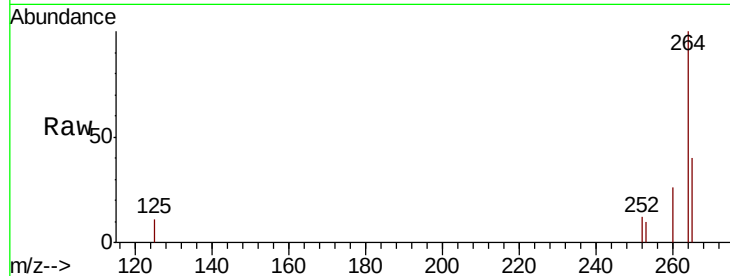
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.6	29.4
265	40.3	21.8	32.8

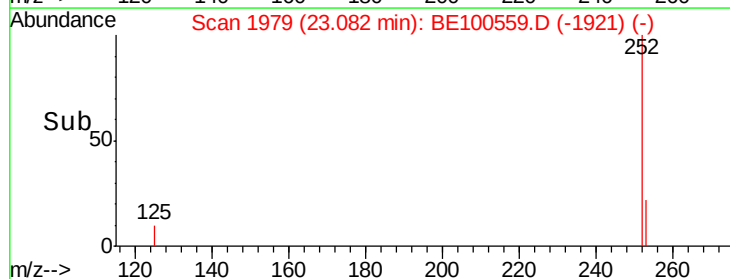
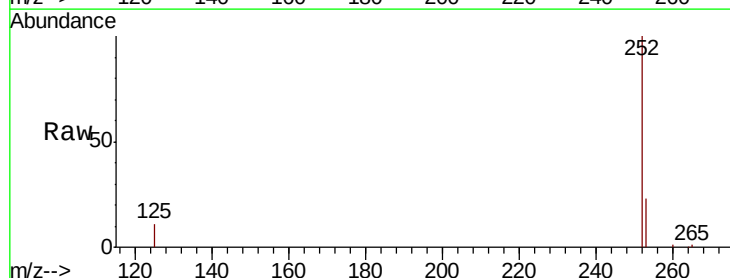
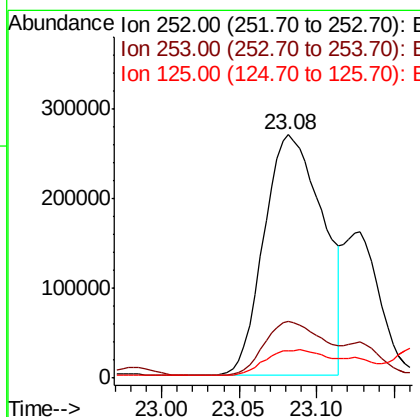
Manual Integrations
APPROVED

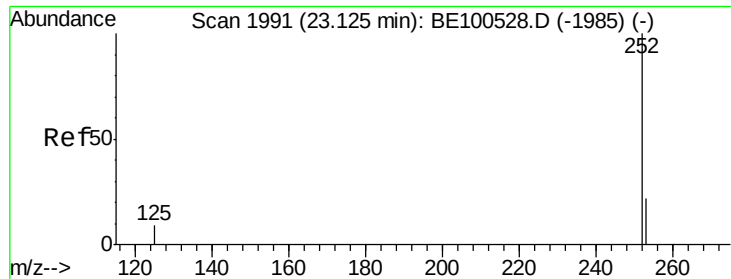
mohammad
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#35
Benzo(b)fluoranthene
Concen: 4.287 ng
RT: 23.08 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.4	8.0	12.0





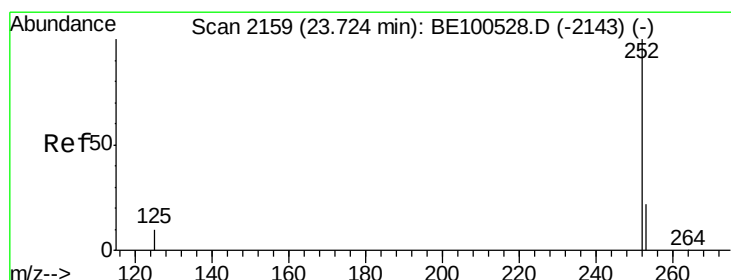
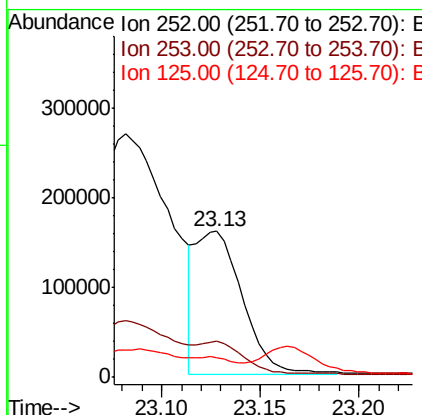
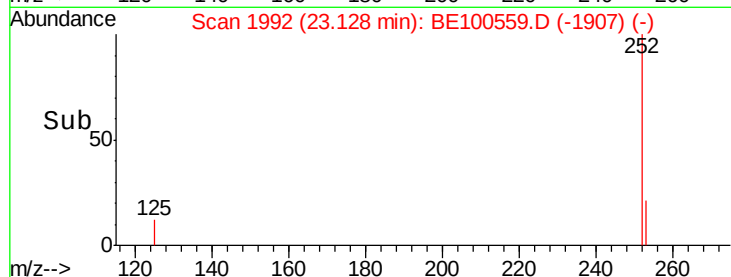
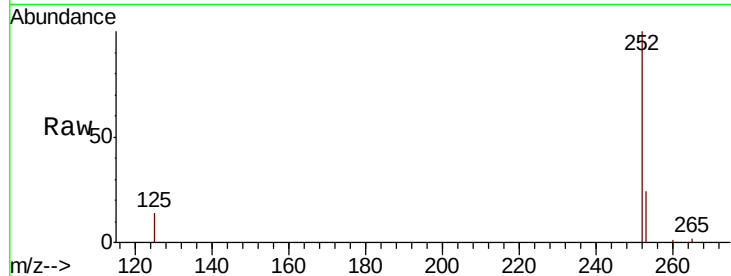
#36
Benzo(k)fluoranthene
Concen: 1.394 ng m
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	13.6	8.5	12.7

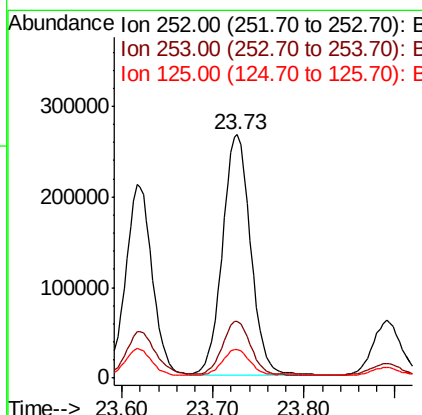
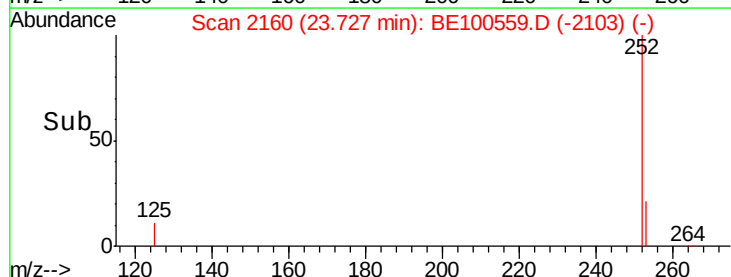
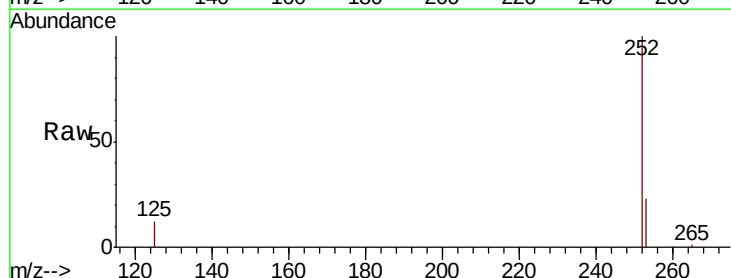
Manual Integrations
APPROVED

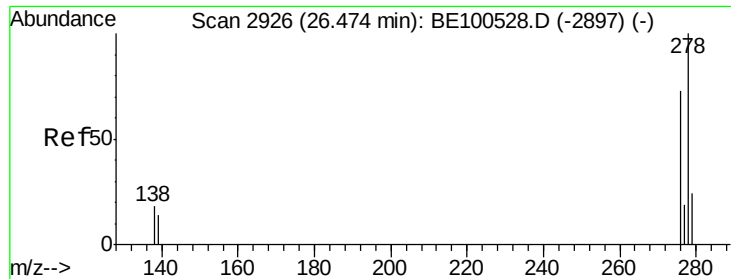
mohammad
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#37
Benzo(a)pyrene
Concen: 3.708 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.7	9.2	13.8





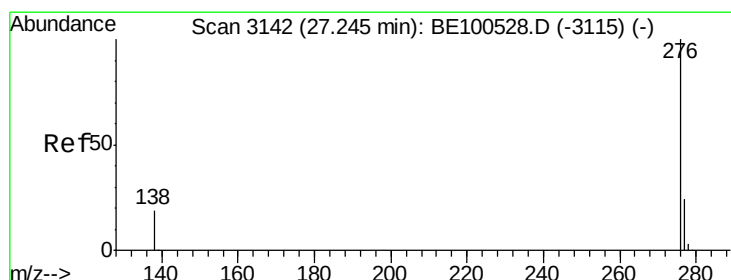
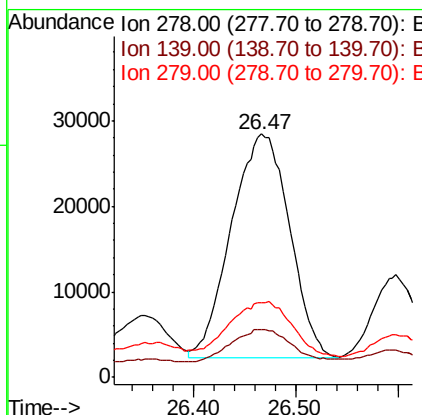
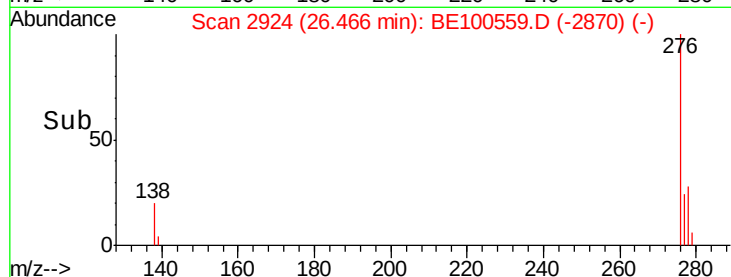
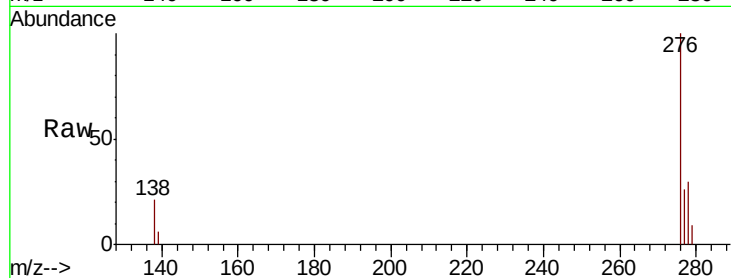
#38
Dibenzo(a,h)anthracene
Concen: 0.643 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Instrument :
BNA_E
ClientSampleId :
EXT-SW166-091819-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.5	11.6	17.4#
279	30.4	19.7	29.5#

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:47 PM



#39
Benzo(g,h,i)perylene
Concen: 2.669 ng
RT: 27.26 min Scan# 3146
Delta R.T. 0.01 min
Lab File: BE100559.D
Acq: 25 Sep 2019 16:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	21.2	15.7	23.5

