

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100558.D
 Acq On : 25 Sep 2019 16:02
 Operator : JU
 Sample : K4995-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW164-091819-1

Manual Integrations
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mohammad
 9/26/2019 3:55:43 PM

Quant Time: Sep 26 01:11:03 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	7597	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	36431	0.40	ng	-0.01
13) Acenaphthene-d10	14.48	164	22376	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	51103	0.40	ng	0.00
27) Chrysene-d12	21.37	240	58672	0.40	ng	0.00
34) Perylene-d12	23.84	264	67238	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	6484	0.36	ng	0.00
5) Phenol-d6	7.01	99	9354	0.38	ng	-0.01
8) Nitrobenzene-d5	9.00	82	7336	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	15839	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	2034	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	19801	0.25	ng	0.00
25) Fluoranthene-d10	19.22	212	182998	0.30	ng	0.00
29) Terphenyl-d14	19.82	244	43531	0.31	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.69	128	82003	0.217	ng	100
12) 2-Methylnaphthalene	12.31	142	16445	0.274	ng	99
16) Acenaphthylene	14.21	152	69427	0.754	ng	99
17) Acenaphthene	14.54	154	4583	0.074	ng	93
18) Fluorene	15.51	166	13232	0.170	ng	# 84
22) Pentachlorophenol	16.85	266	864	0.349	ng	96
23) Phenanthrene	17.24	178	305191	2.143	ng	100
24) Anthracene	17.34	178	43722	0.365	ng	97
26) Fluoranthene	19.25	202	556708	3.242	ng	98
28) Pvrene	19.62	202	669061	3.963	ng	96
30) Benzo(a)anthracene	21.34	228	330137	2.107	ng	94
31) Chrysene	21.40	228	399470	2.237	ng	96
32) Bis(2-ethylhexyl)phthalate	21.28	149	604417	3.579	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	231960	1.169	ng	97
35) Benzo(b)fluoranthene	23.08	252	463738	2.549	ng	# 97
36) Benzo(k)fluoranthene	23.12	252	167086m	0.794	ng	
37) Benzo(a)pvrene	23.73	252	330167	1.945	ng	97
38) Dibenzo(a,h)anthracene	26.46	278	64665	0.366	ng	# 83
39) Benzo(g,h,i)perylene	27.25	276	249541	1.352	ng	96

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

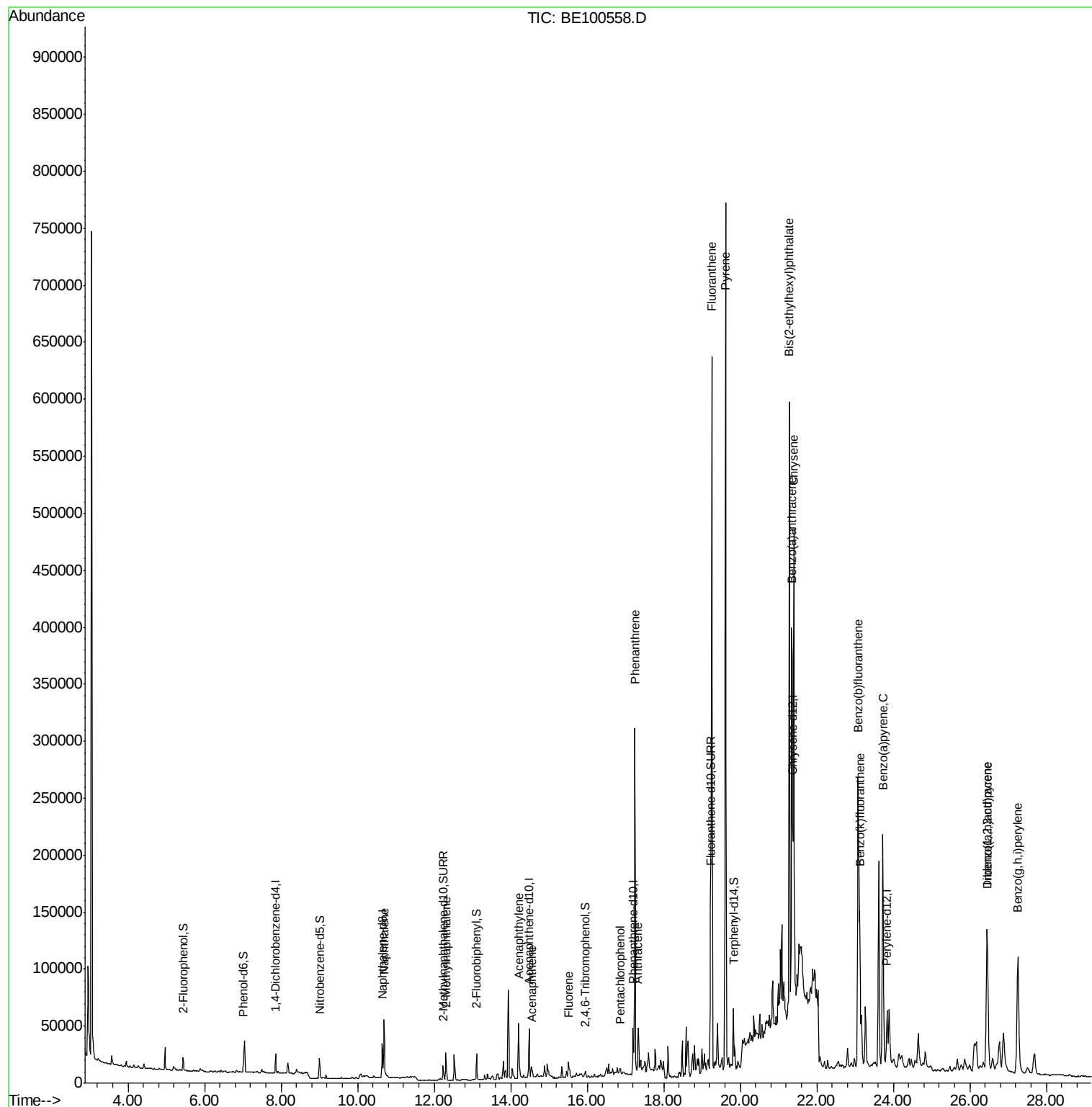
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
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#1

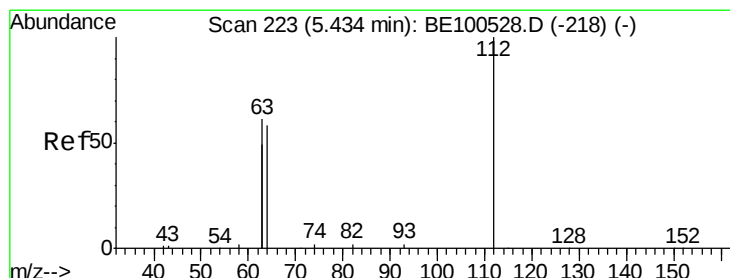
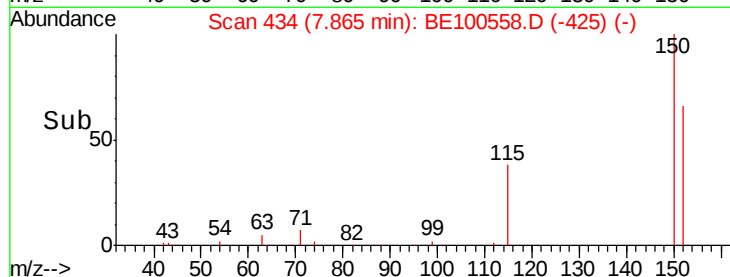
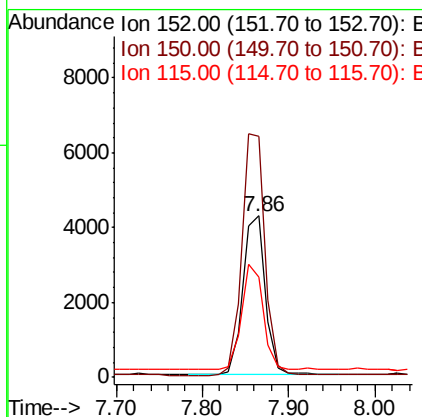
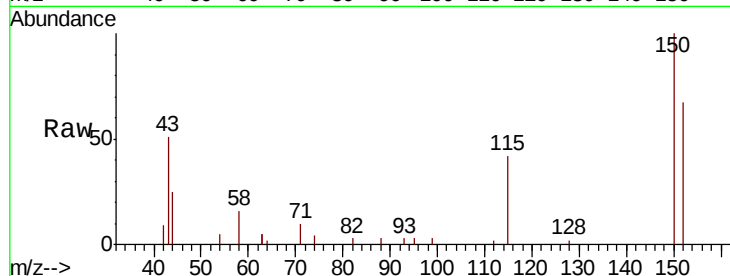
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	121.6	182.4
115	62.3	48.2	72.4

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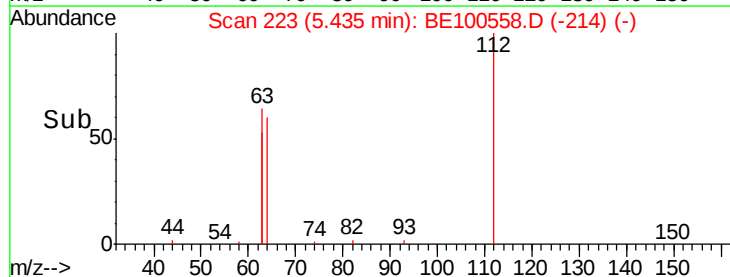
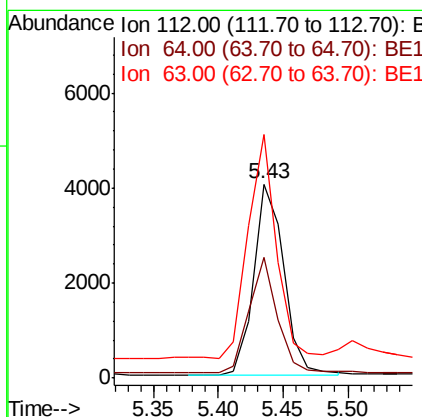
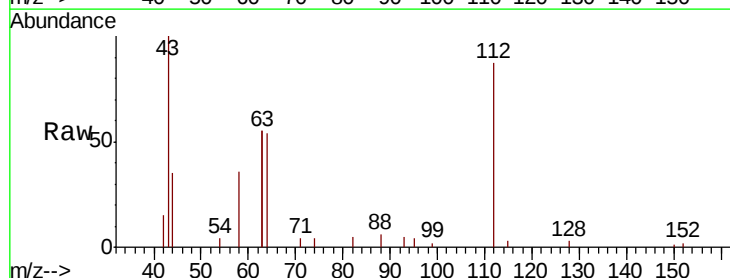
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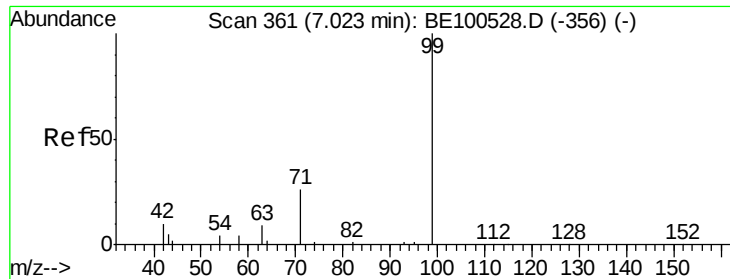


#4

2-Fluorophenol
Concen: 0.365 ng
RT: 5.43 min Scan# 223
Delta R.T. 0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.1	66.1
63	110.5	86.5	129.7





#5

Phenol-d6

Concen: 0.384 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

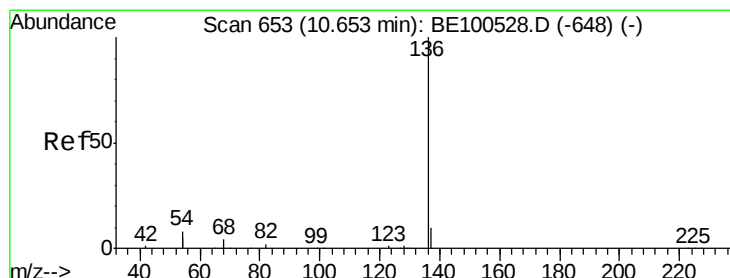
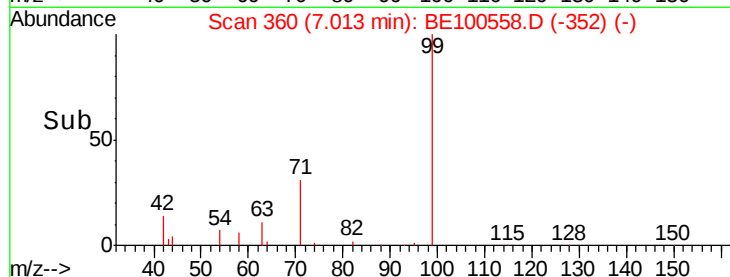
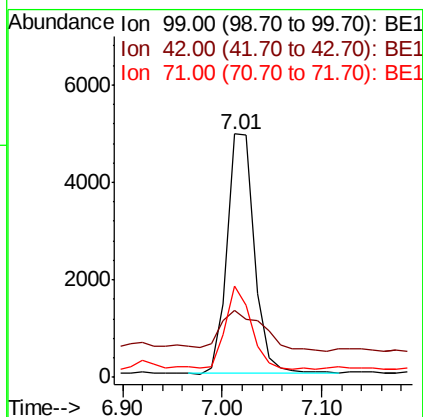
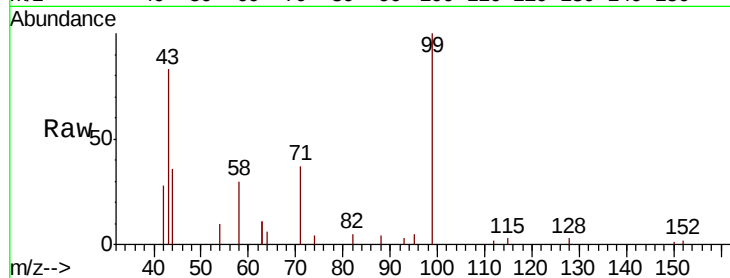
ClientSampleId :

EXT-SW164-091819-1

Tot Ion:	99	Resp:	9354
Ion	Ratio	Lower	Upper
99	100		
42	25.6	13.0	19.6#
71	32.3	23.4	35.0

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#7

Naphthalene-d8

Concen: 0.400 ng

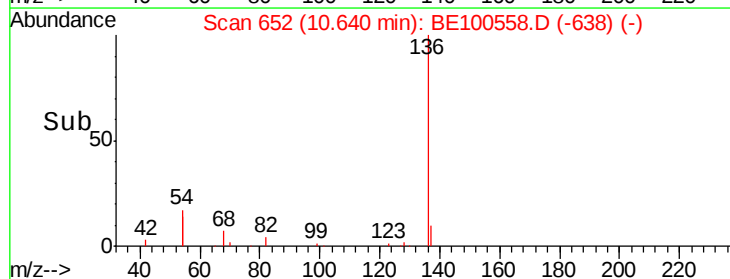
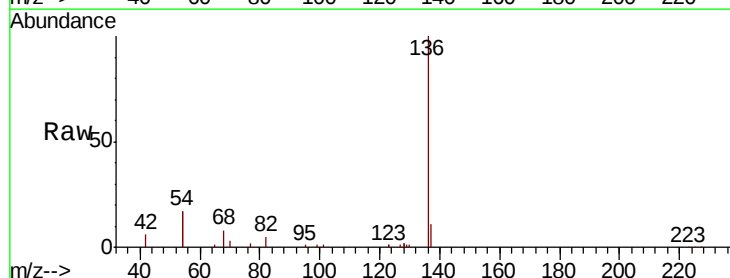
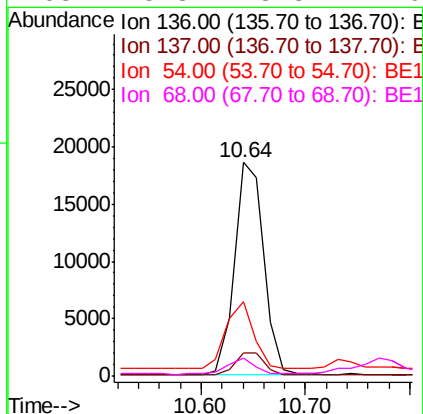
RT: 10.64 min Scan# 652

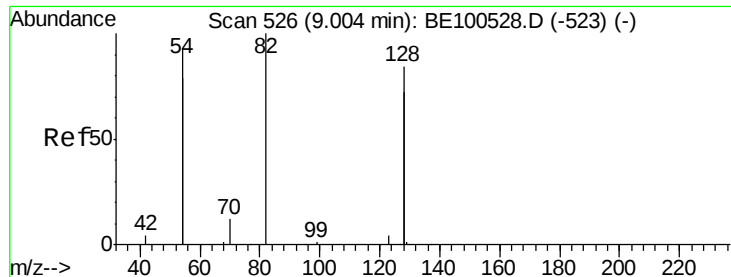
Delta R.T. -0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Tgt Ion:	136	Resp:	36431
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	34.8	12.4	18.6#
68	8.3	3.3	4.9#





#8

Nitrobenzene-d5

Concen: 0.349 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

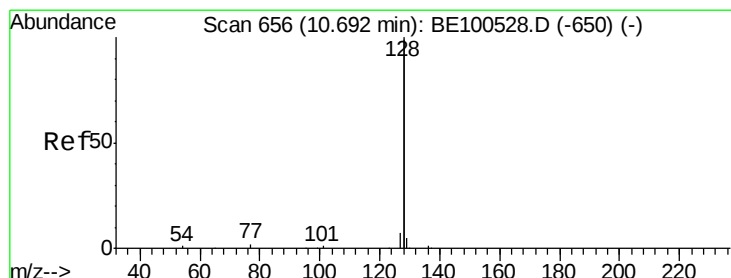
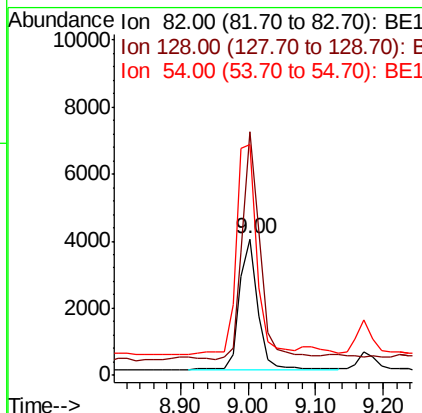
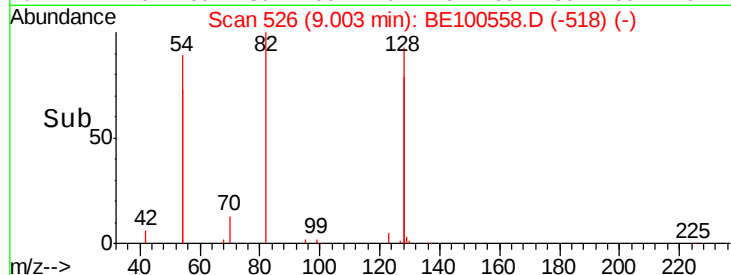
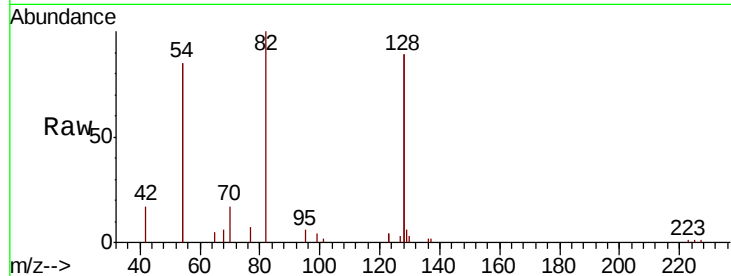
ClientSampleId :

EXT-SW164-091819-1

Tot Ion:	82	Resp:	7336
Ion	Ratio	Lower	Upper
82	100		
128	178.6	129.4	194.2
54	169.8	143.3	214.9

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#9

Naphthalene

Concen: 0.217 ng

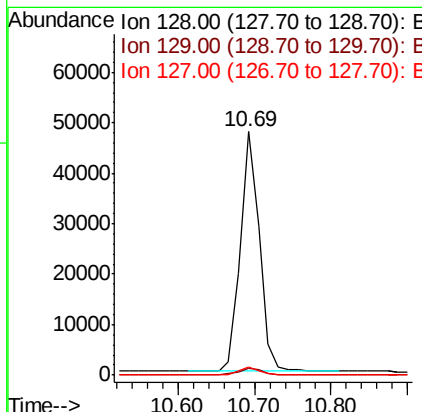
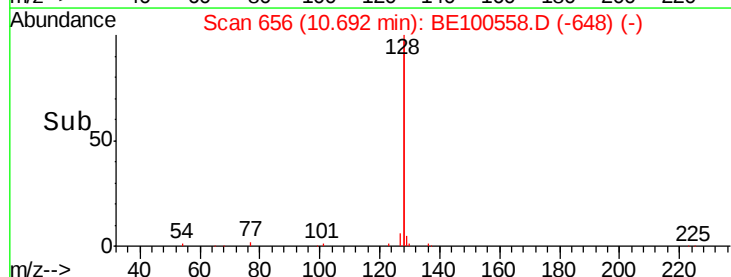
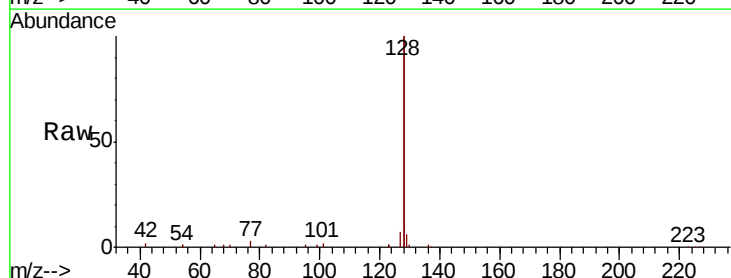
RT: 10.69 min Scan# 656

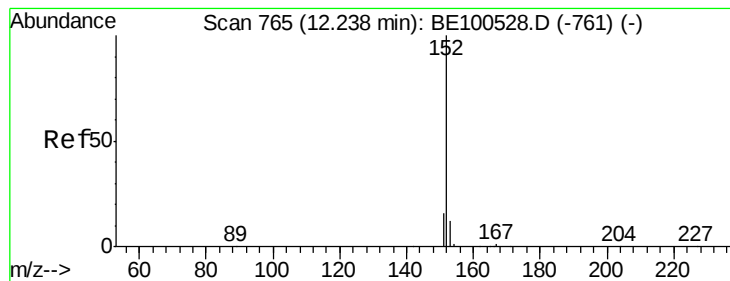
Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Tgt Ion:	128	Resp:	82003
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.4	2.7	4.1





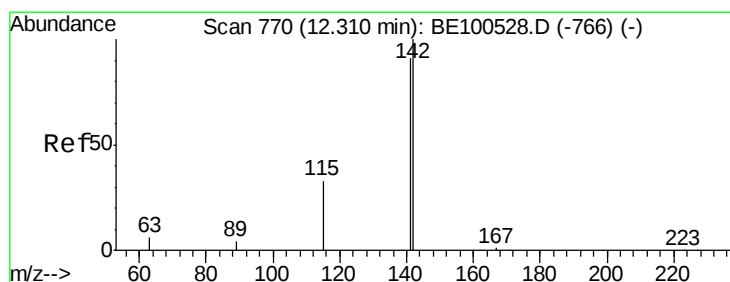
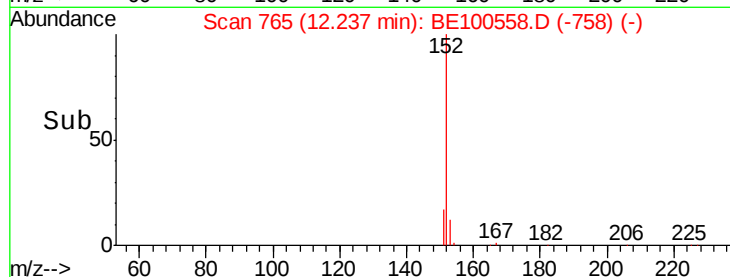
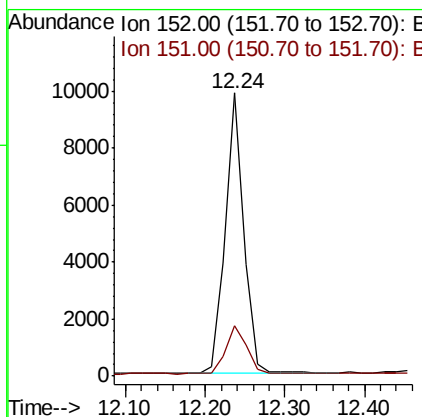
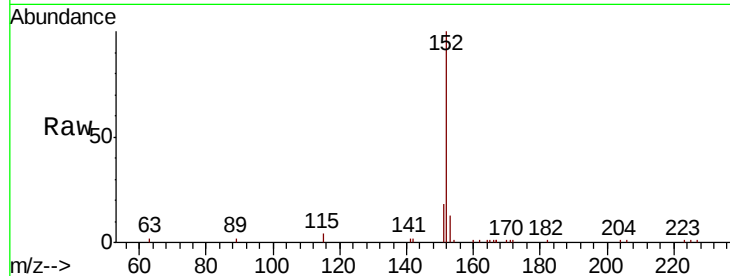
#11
2-Methylnaphthalene-d10
Concen: 0.291 ng
RT: 12.24 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.3	22.9

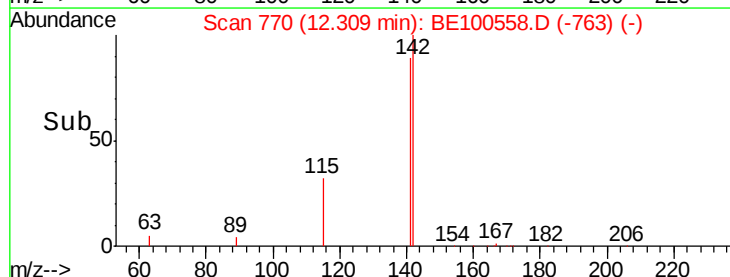
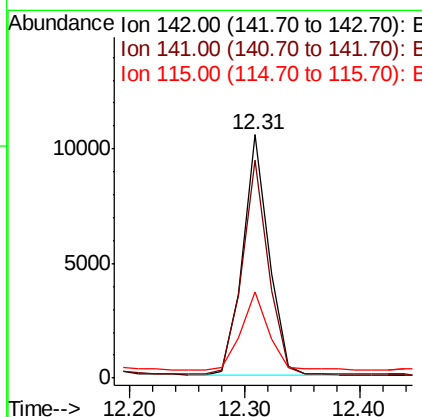
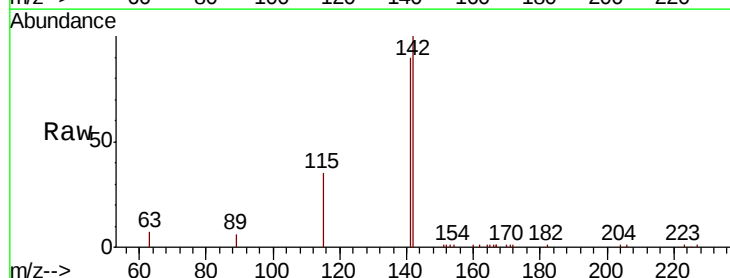
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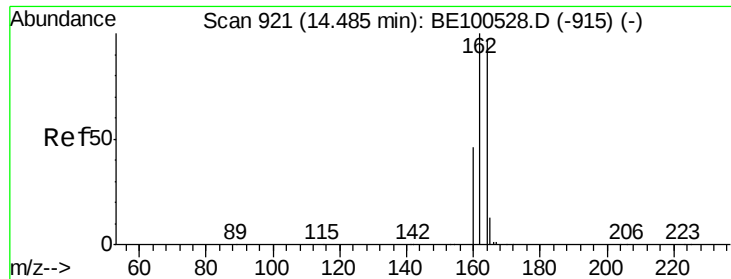
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#12
2-Methylnaphthalene
Concen: 0.274 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.5	108.7
115	35.2	27.2	40.8





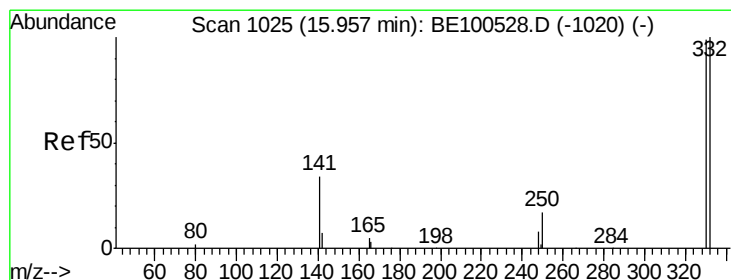
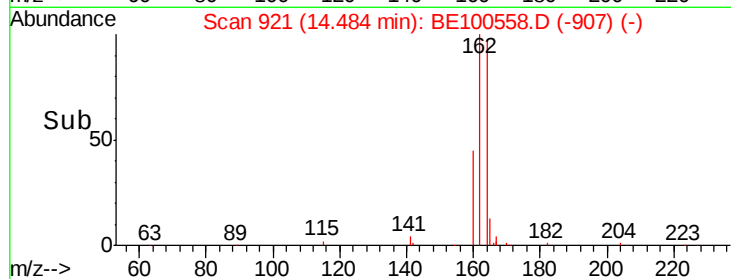
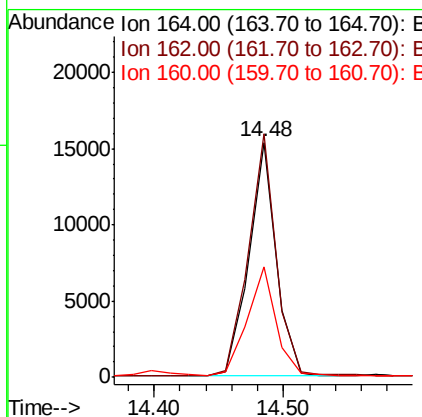
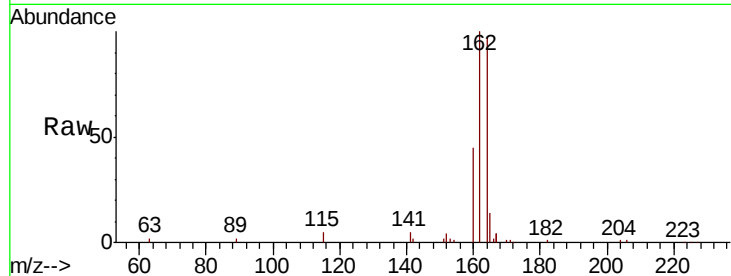
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.1	123.1
160	47.0	37.6	56.4

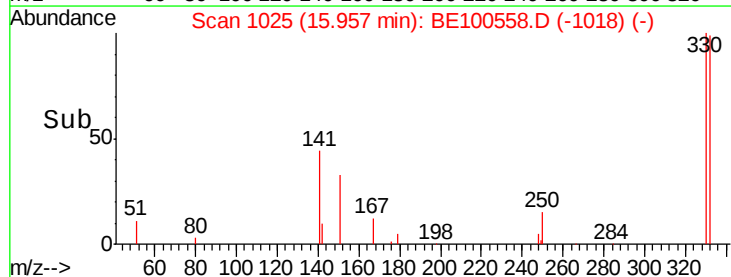
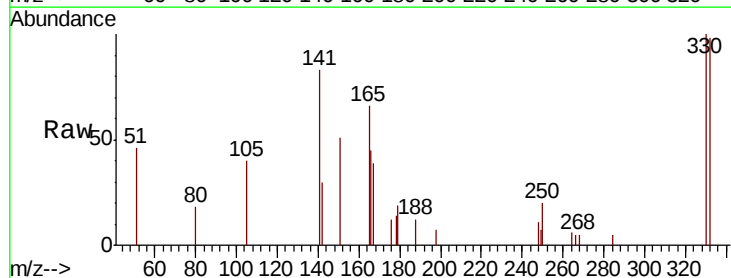
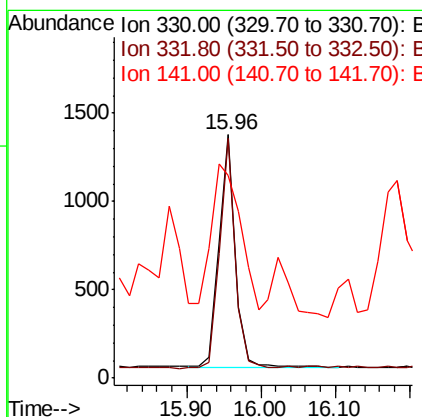
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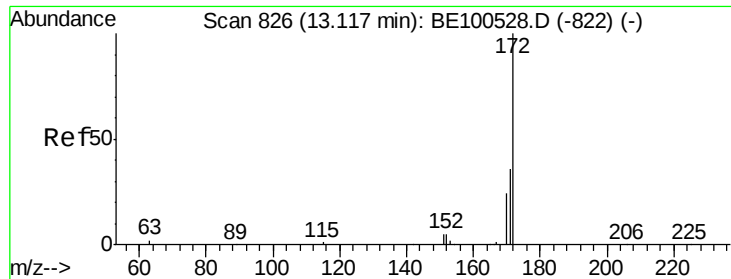
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#14
2,4,6-Tribromophenol
Concen: 0.562 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.9	75.5	113.3
141	108.3	42.3	63.5#





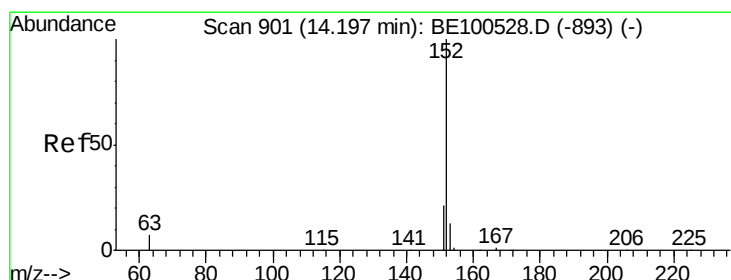
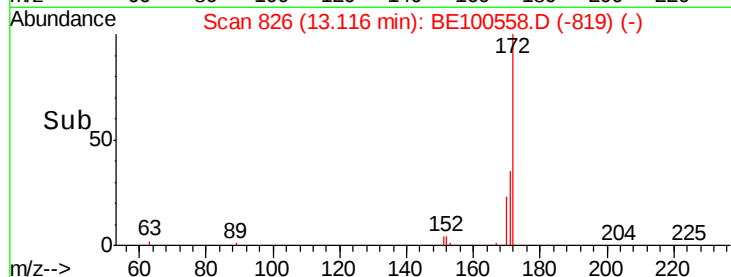
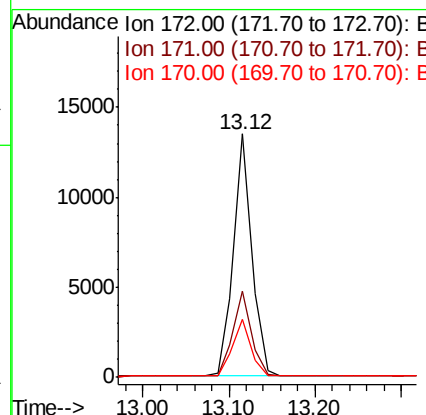
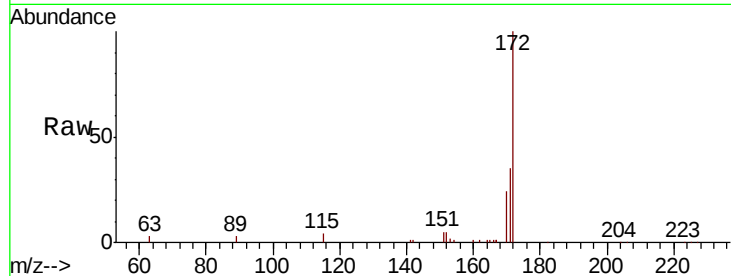
#15
2-Fluorobiphenyl
Concen: 0.248 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.8	19.4	29.0

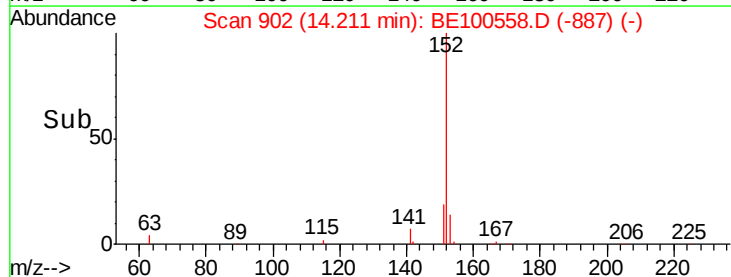
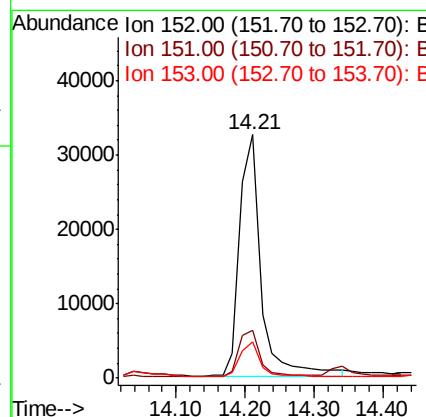
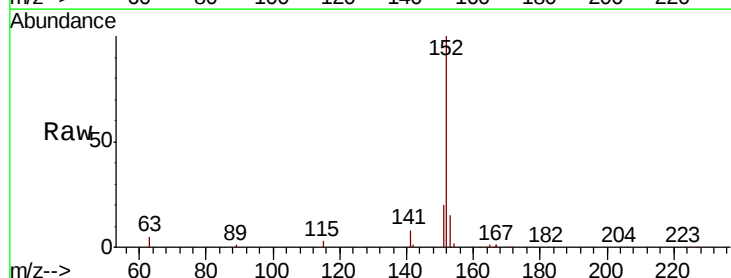
Manual Integrations
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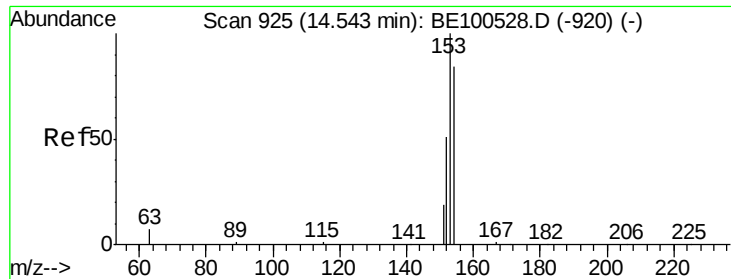
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#16
Acenaphthylene
Concen: 0.754 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.9	10.7	16.1





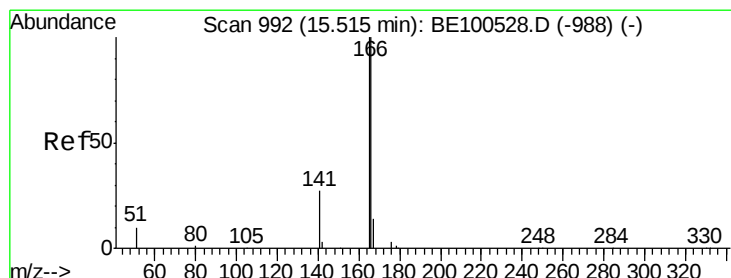
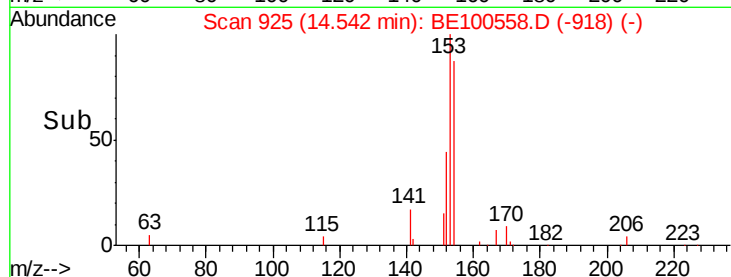
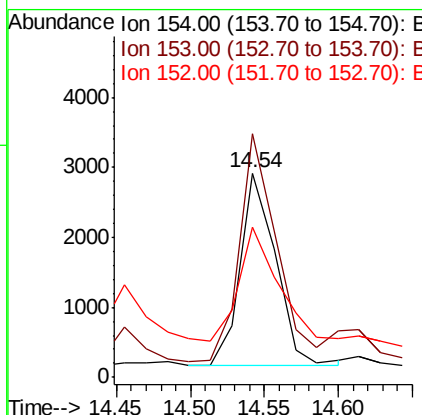
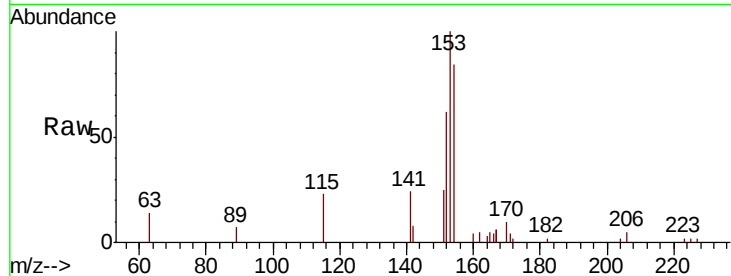
#17
Acenaphthene
Concen: 0.074 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	122.8	93.7	140.5
152	67.8	47.3	70.9

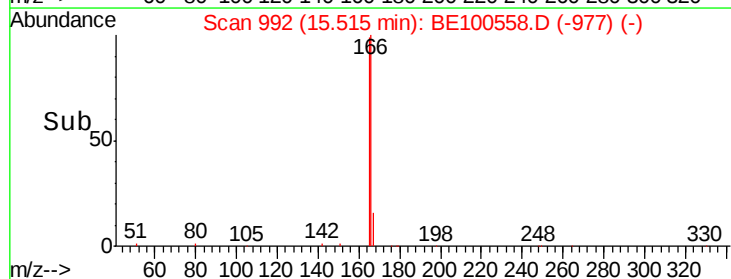
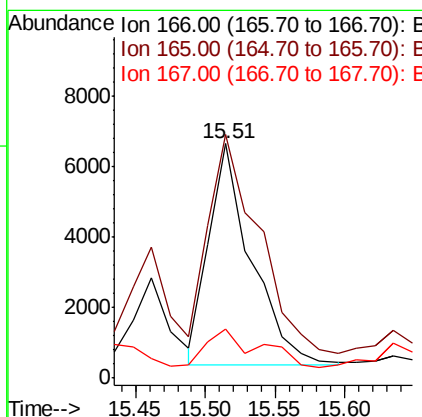
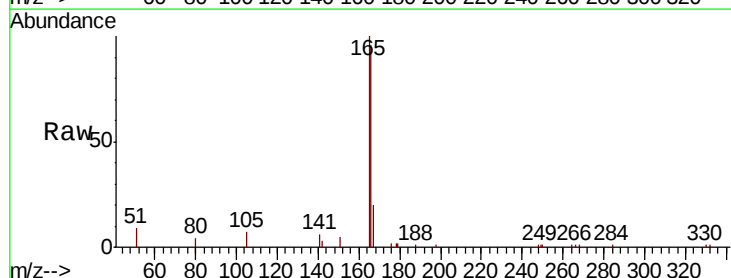
Manual Integrations
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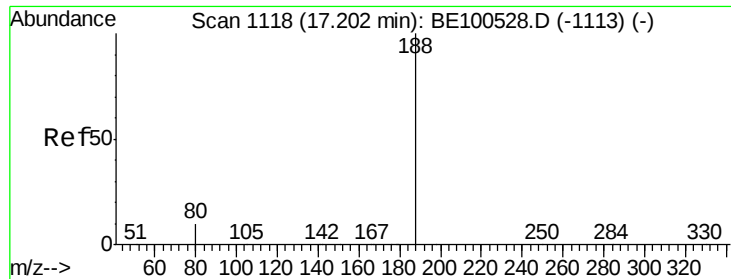
mohammad
9/26/2019 3:55:43 PM



#18
Fluorene
Concen: 0.170 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	115.4	80.1	120.1
167	21.8	10.9	16.3#





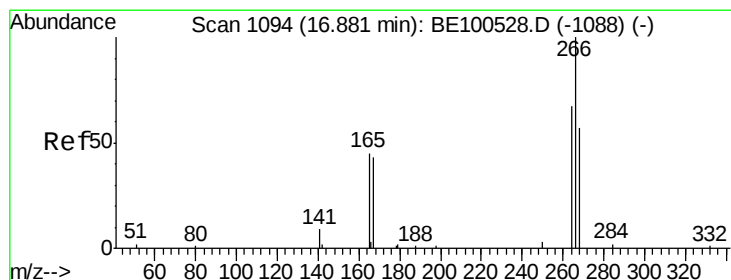
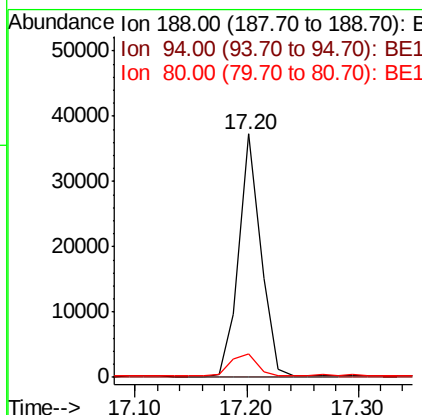
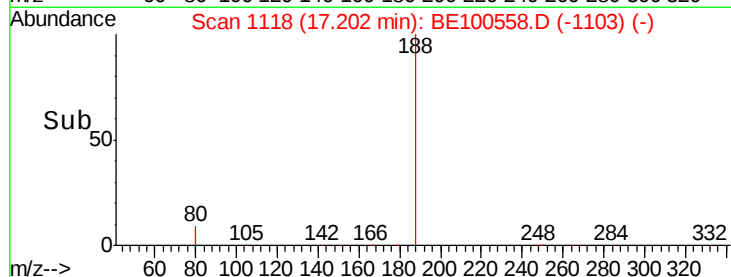
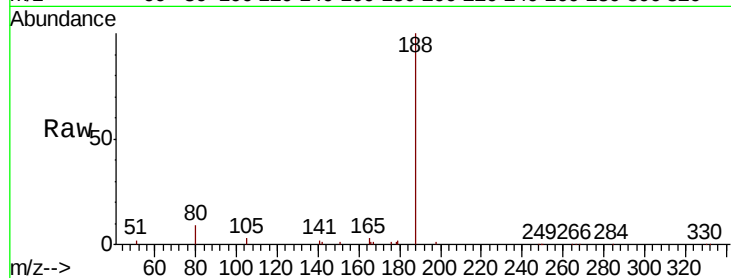
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion:	188	Resp:	51103
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.4	8.0	12.0

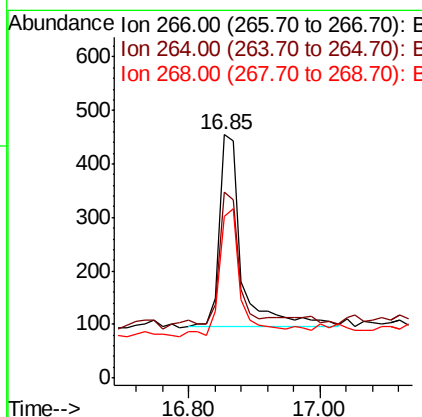
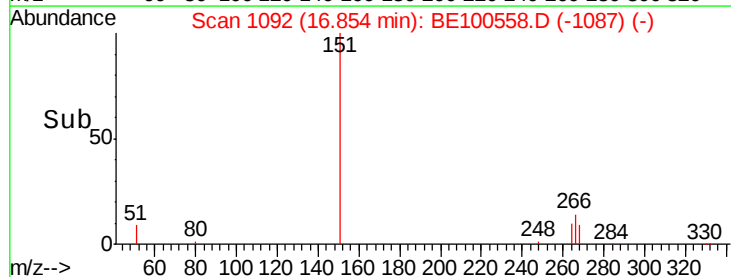
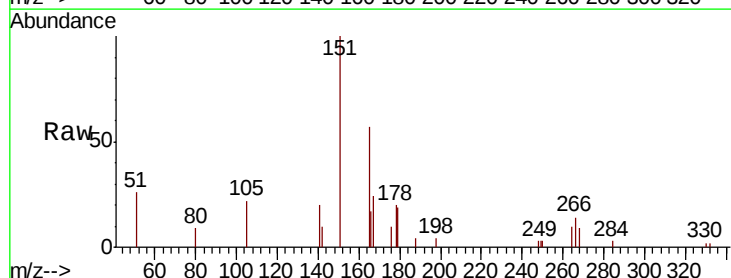
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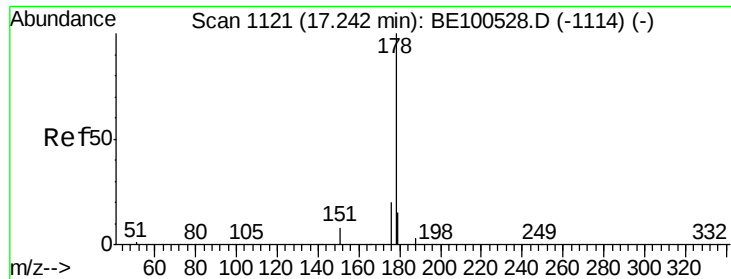
mohammad
9/26/2019 3:55:43 PM



#22
Pentachlorophenol
Concen: 0.349 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.03 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion:	266	Resp:	864
Ion Ratio	Lower	Upper	
266	100		
264	76.5	57.6	86.4
268	66.4	55.1	82.7





#23

Phenanthrene

Concen: 2.143 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

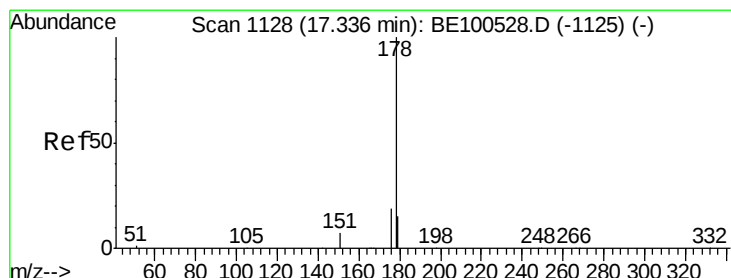
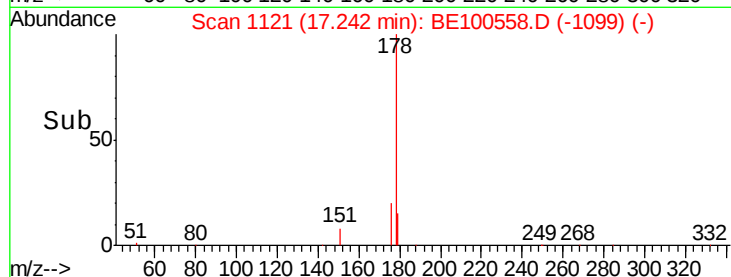
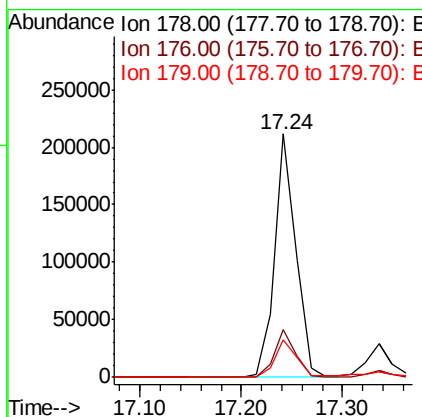
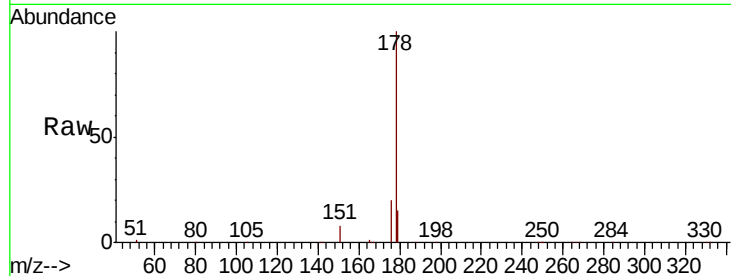
ClientSampleId :

EXT-SW164-091819-1

Tot Ion:	178	Resp:	305191
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.4	23.2
179	15.8	12.6	18.8

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#24

Anthracene

Concen: 0.365 ng

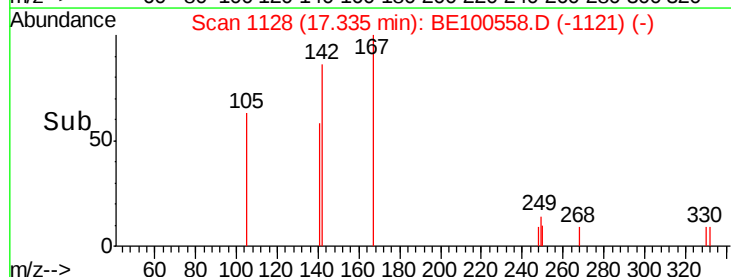
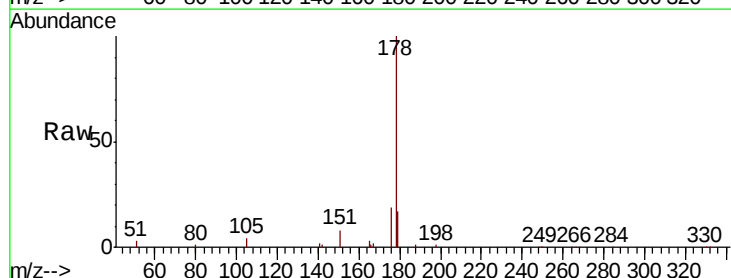
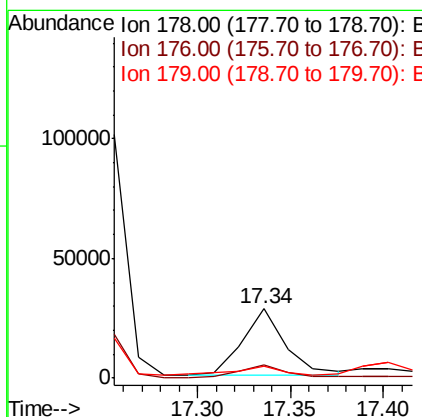
RT: 17.34 min Scan# 1128

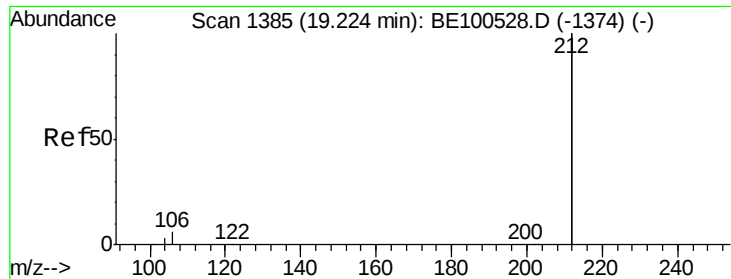
Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Tgt Ion:	178	Resp:	43722
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.2	22.8
179	17.9	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.301 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

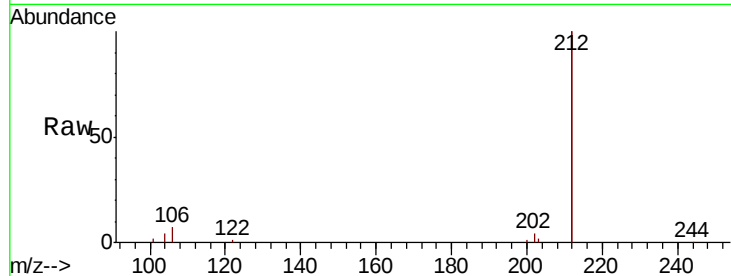
ClientSampleId :

EXT-SW164-091819-1

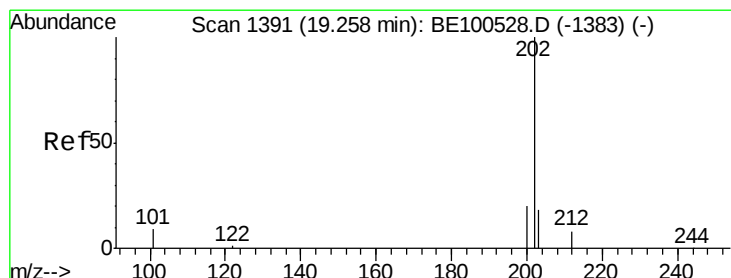
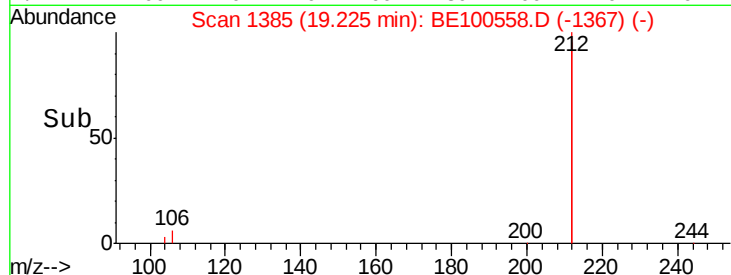
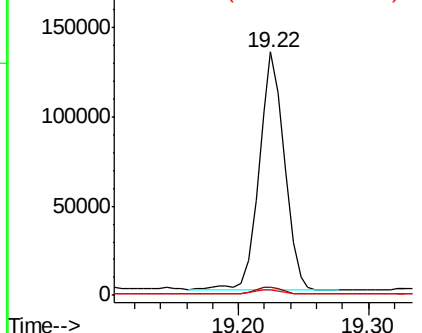
Tot Ion	Ion	Ratio	Resp	Lower	Upper
212	100				
106	3.2	2.3	3.5		
104	2.0	1.3	1.9		

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 3.242 ng

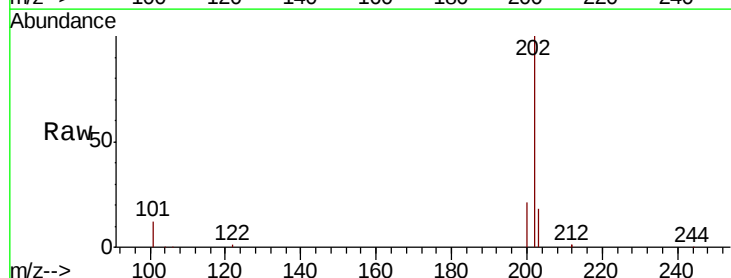
RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

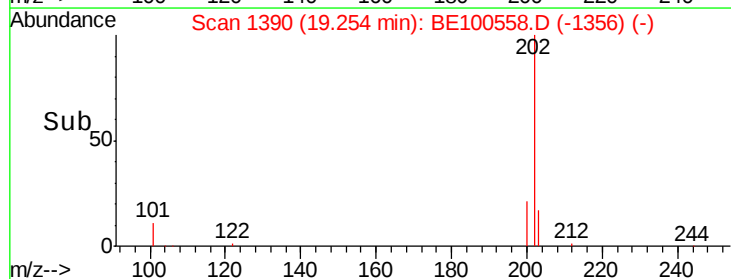
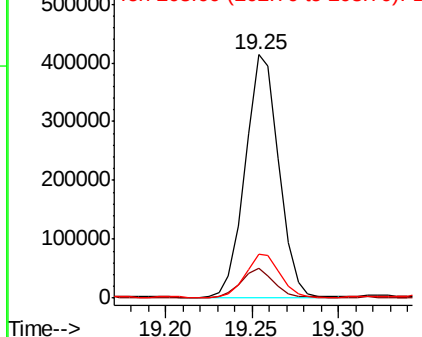
Lab File: BE100558.D

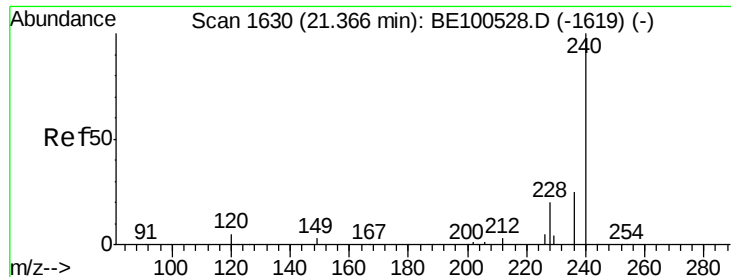
Acq: 25 Sep 2019 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.0	8.8	13.2		
203	17.9	13.7	20.5		



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





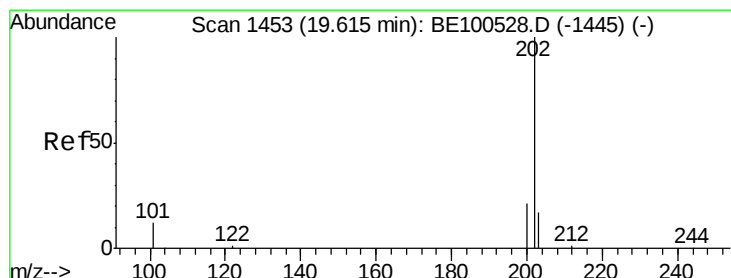
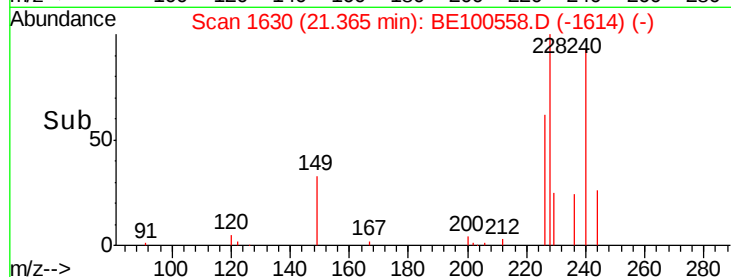
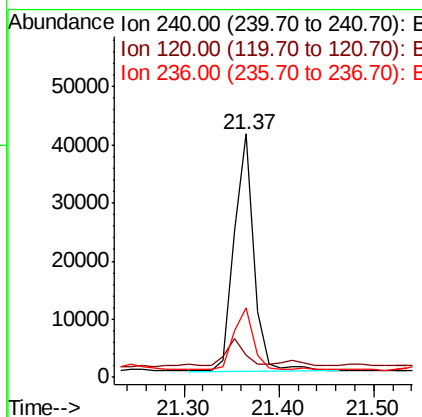
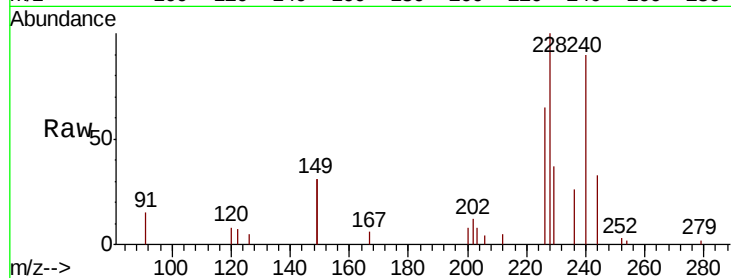
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	4.5	6.7#
236	28.7	20.6	30.8

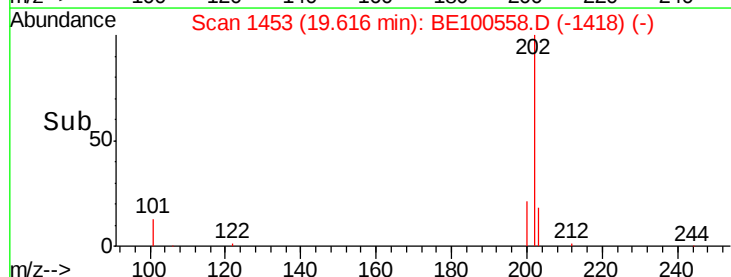
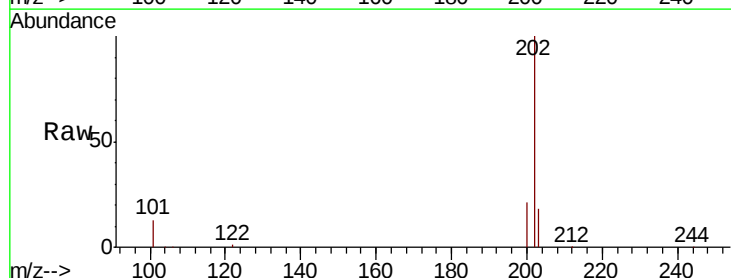
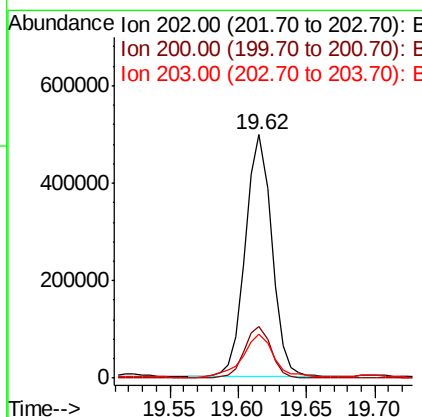
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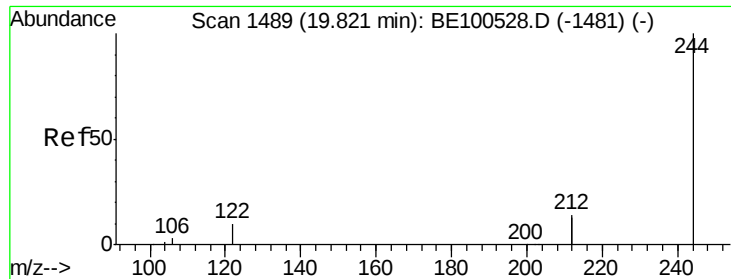
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#28
Pyrene
Concen: 3.963 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	20.8	14.0	21.0





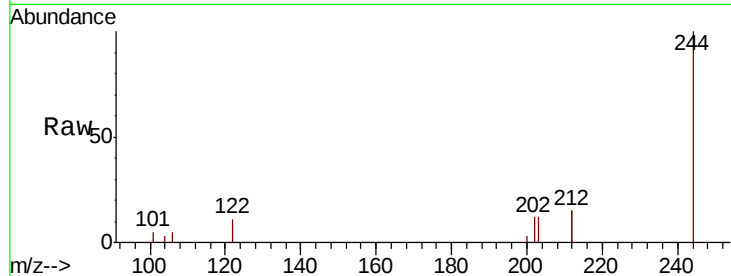
#29
 Terphenyl-d14
 Concen: 0.313 ng
 RT: 19.82 min Scan# 1489
 Delta R.T. 0.00 min
 Lab File: BE100558.D
 Acq: 25 Sep 2019 16:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	30.9	22.2	33.2
122	11.4	8.3	12.5

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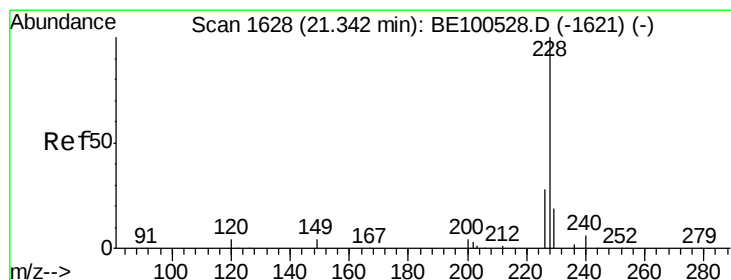
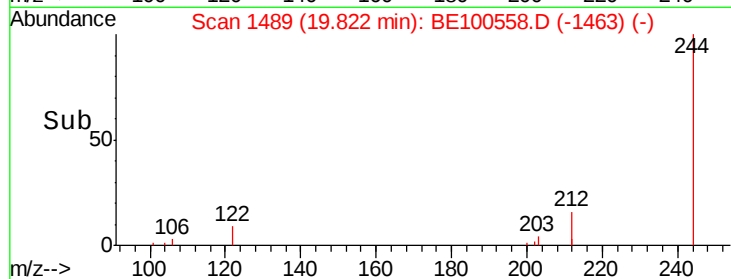
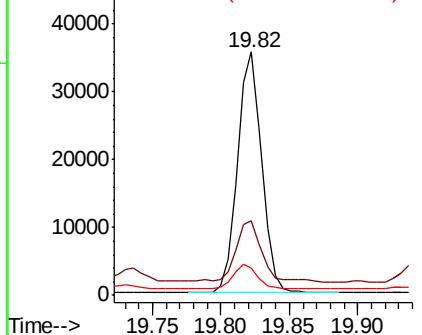


Abundance

Ion 244.00 (243.70 to 244.70): E

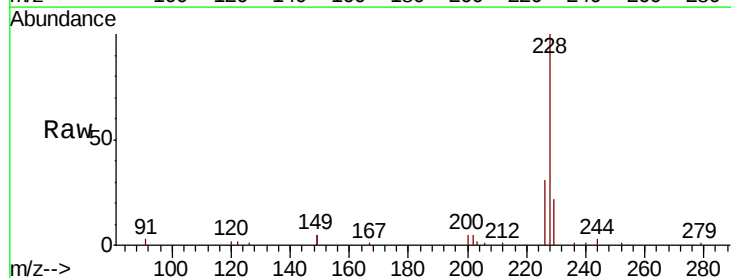
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30
 Benzo(a)anthracene
 Concen: 2.107 ng
 RT: 21.34 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: BE100558.D
 Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.5	33.7
229	22.2	15.4	23.2

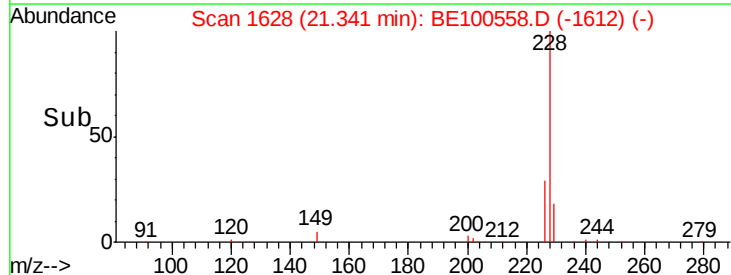
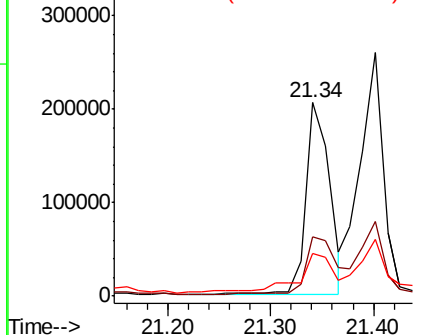


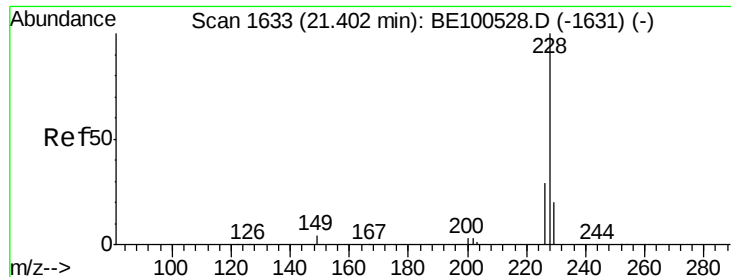
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





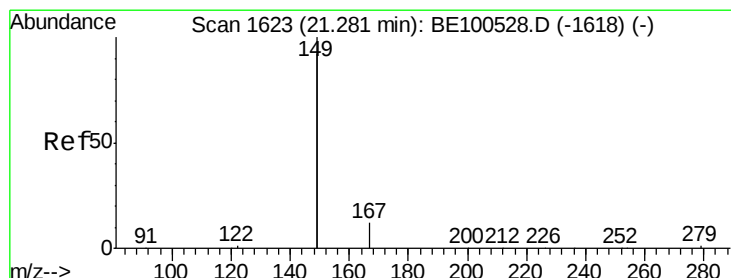
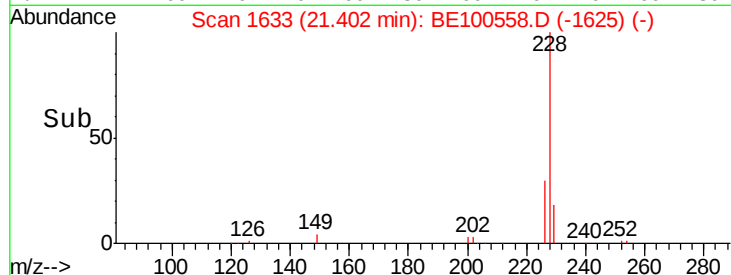
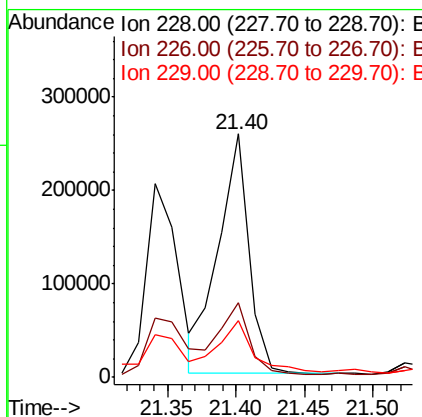
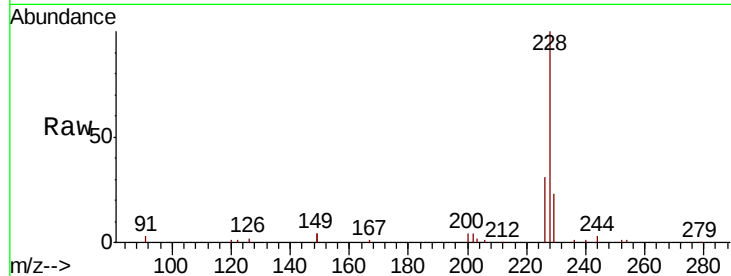
#31
 Chrysene
 Concen: 2.237 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BE100558.D
 Acq: 25 Sep 2019 16:02

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.3	34.9
229	23.4	16.3	24.5

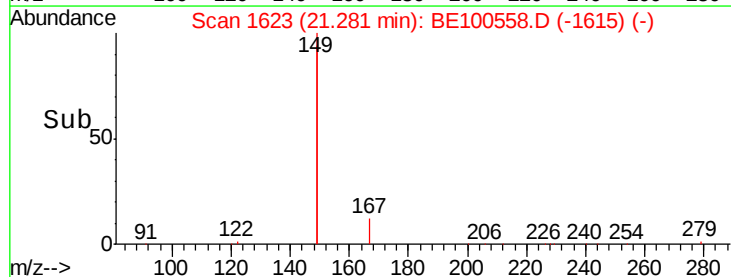
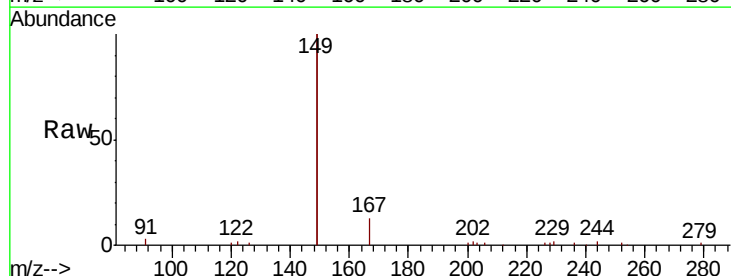
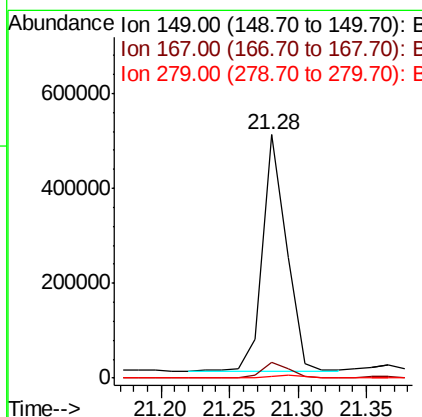
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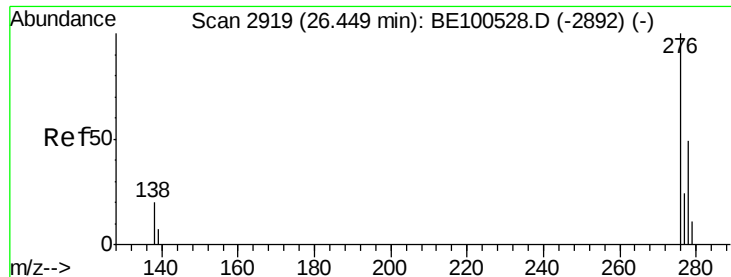
mohammad
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 3.579 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. -0.00 min
 Lab File: BE100558.D
 Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	1.1	1.0	1.4





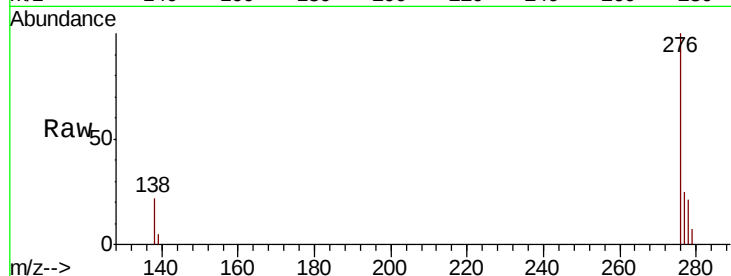
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.169 ng
RT: 26.45 min Scan# 2919
Delta R.T. -0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	17.7	26.5
277	25.3	19.9	29.9

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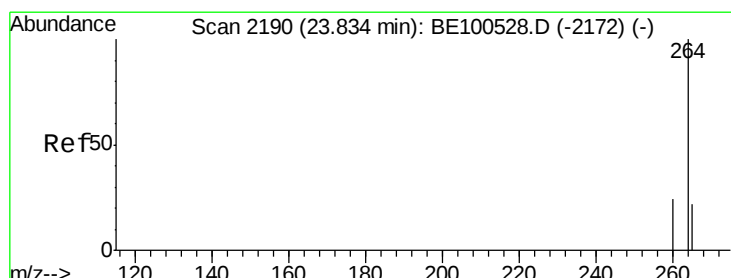
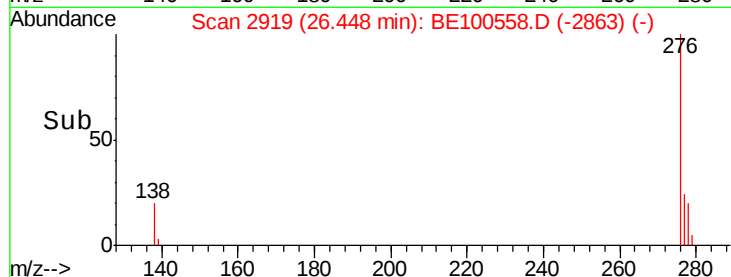
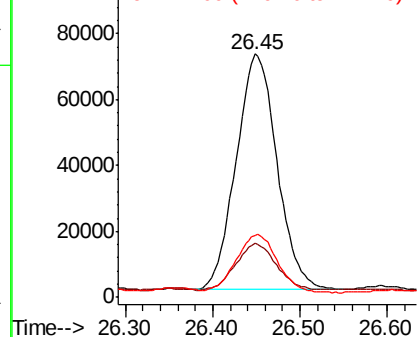


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

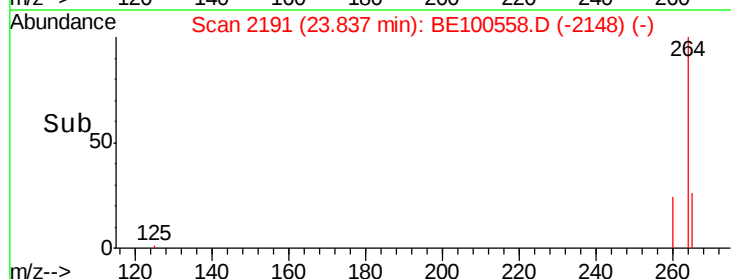
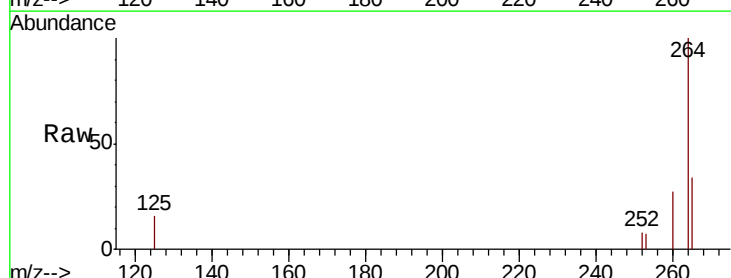
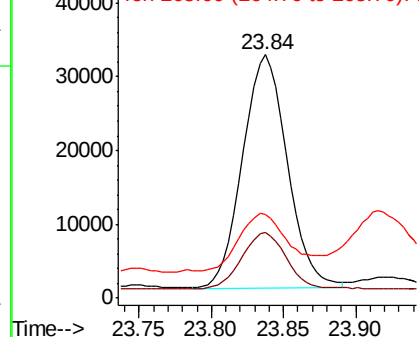
Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.6	29.4
265	34.2	21.8	32.8

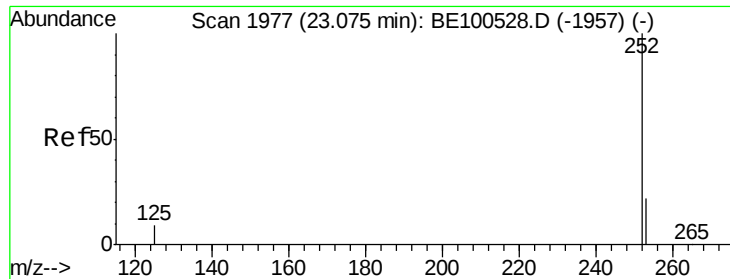
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 2.549 ng

RT: 23.08 min Scan# 1979

Delta R.T. 0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

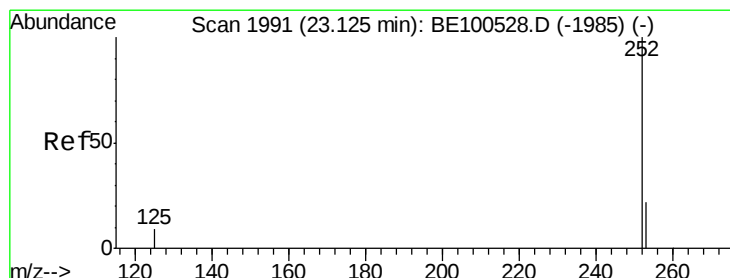
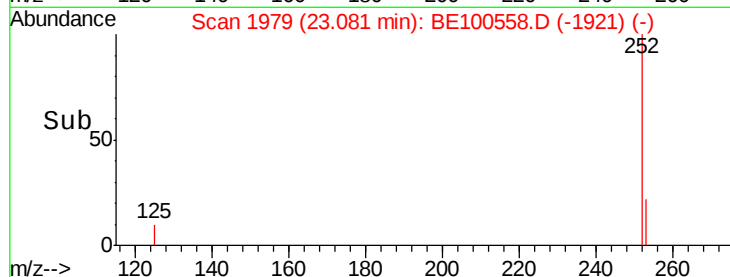
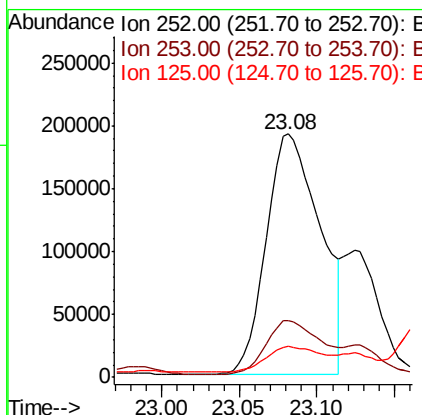
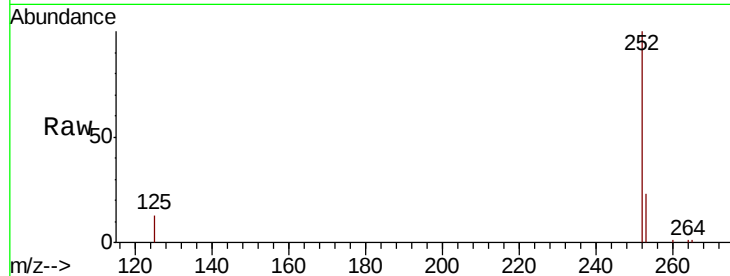
ClientSampleId :

EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	12.6	8.0	12.0

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#36

Benzo(k)fluoranthene

Concen: 0.794 ng m

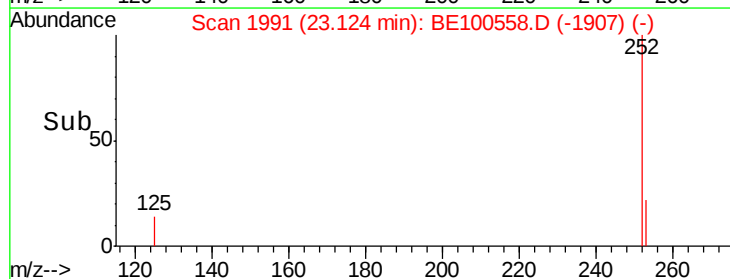
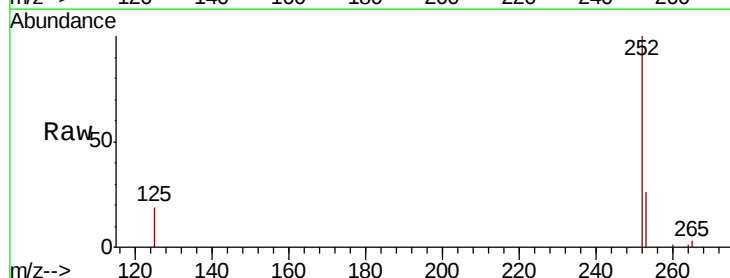
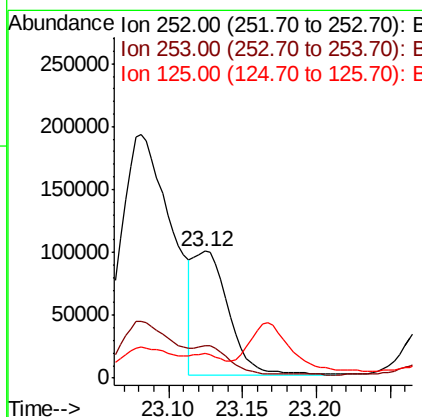
RT: 23.12 min Scan# 1991

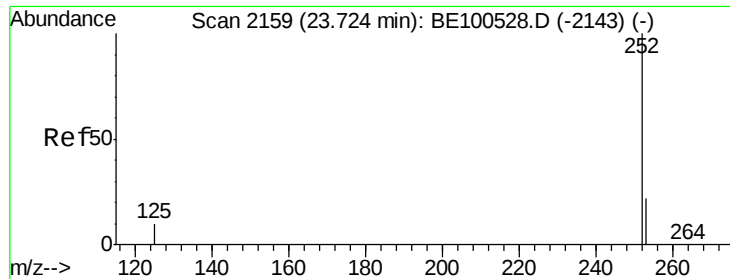
Delta R.T. -0.00 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	19.1	8.5	12.7





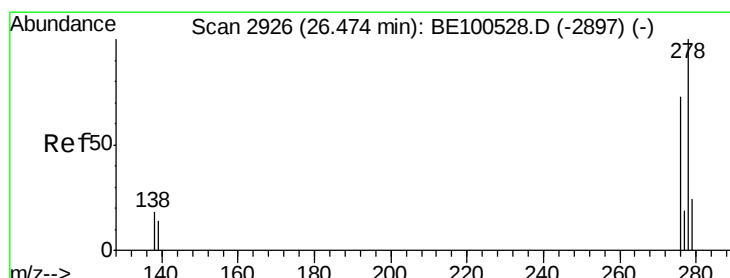
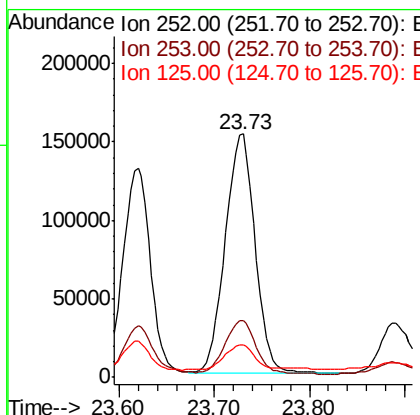
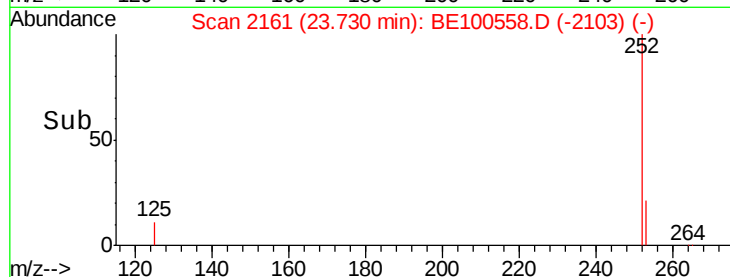
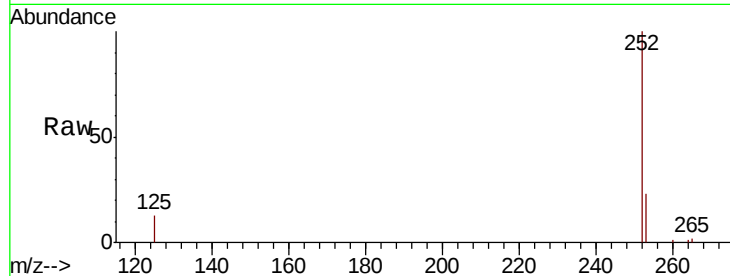
#37
Benzo(a)pyrene
Concen: 1.945 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Instrument :
BNA_E
ClientSampleId :
EXT-SW164-091819-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.5	9.2	13.8

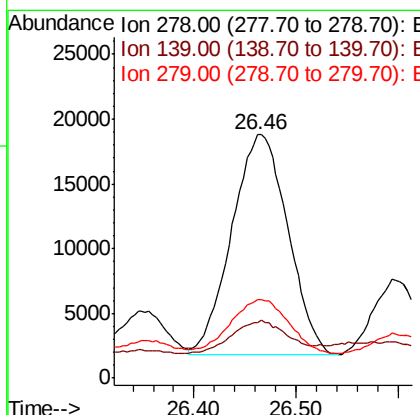
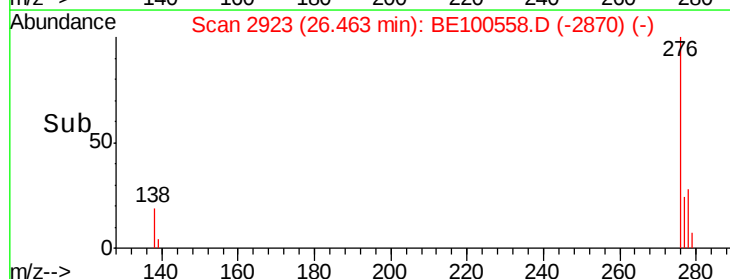
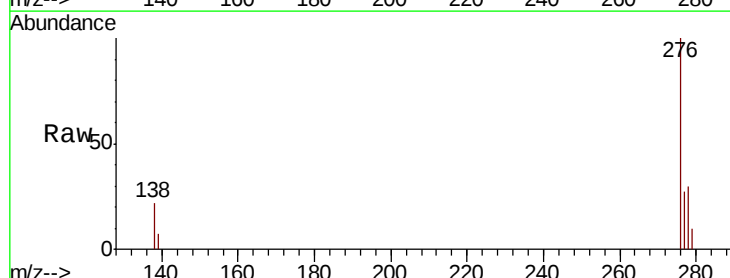
Manual Integrations
APPROVED

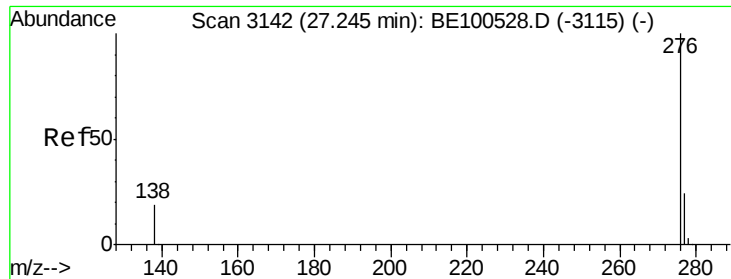
mohammad
9/26/2019 3:55:43 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.366 ng
RT: 26.46 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BE100558.D
Acq: 25 Sep 2019 16:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.9	11.6	17.4#
279	32.1	19.7	29.5#





#39

Benzo(a,h,i)perylene

Concen: 1.352 ng

RT: 27.25 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BE100558.D

Acq: 25 Sep 2019 16:02

Instrument :

BNA_E

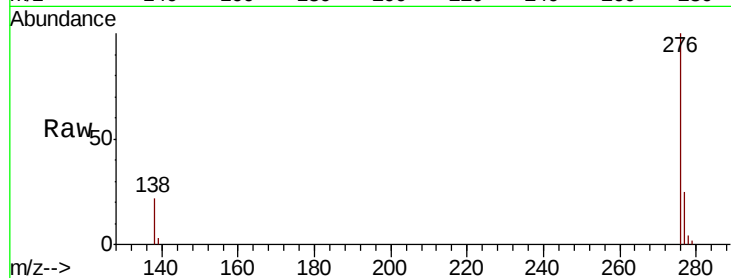
ClientSampleId :

EXT-SW164-091819-1

Tot Ion:	276	Resp:	249541
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.2	28.8
138	22.5	15.7	23.5

Manual Integrations
APPROVED

mohammad
9/26/2019 3:55:43 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

