

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
 Data File : BE100650.D
 Acq On : 15 Oct 2019 15:25
 Operator : JU
 Sample : K4994-06DL 25X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW093-091819-2DL

Manual Integrations
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mohammad
 10/17/2019 7:56:57 AM

Quant Time: Oct 15 16:35:55 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	4655	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	21353	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	13996	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29130	0.40	ng	0.00
27) Chrysene-d12	21.38	240	31311	0.40	ng	0.01
34) Perylene-d12	23.86	264	35678	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.46	112	122	0.01	ng	0.01
5) Phenol-d6	7.02	99	218	0.01	ng	0.01
8) Nitrobenzene-d5	9.00	82	185	0.01	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	317	0.01	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	100	0.03	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	401	0.01	ng	0.00
25) Fluoranthene-d10	19.23	212	2618	0.01	ng	0.00
29) Terphenyl-d14	19.83	244	1084	0.02	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.69	128	30718	0.137	ng	99
12) 2-Methylnaphthalene	12.31	142	6879	0.180	ng	97
16) Acenaphthylene	14.20	152	31888m	0.529	ng	
17) Acenaphthene	14.54	154	9832	0.253	ng	97
18) Fluorene	15.52	166	24489	0.474	ng	# 89
23) Phenanthrene	17.24	178	560018	6.989	ng	100
24) Anthracene	17.34	178	67788	0.912	ng	97
26) Fluoranthene	19.26	202	725752	6.940	ng	98
28) Pyrene	19.62	202	998360	11.413	ng	# 95
30) Benzo(a)anthracene	21.35	228	445966	4.366	ng	94
31) Chrysene	21.41	228	487818	4.779	ng	97
32) Bis(2-ethylhexyl)phthalate	21.31	149	5101	0.024	ng	# 67
33) Indeno(1,2,3-cd)pyrene	26.48	276	214902	1.713	ng	97
35) Benzo(b)fluoranthene	23.10	252	447389	4.300	ng	99
36) Benzo(k)fluoranthene	23.14	252	158136m	1.478	ng	
37) Benzo(a)pyrene	23.74	252	366059	3.780	ng	99
38) Dibenzo(a,h)anthracene	26.50	278	62749	0.627	ng	# 86
39) Benzo(a,h,i)perylene	27.29	276	238161	2.366	ng	98

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

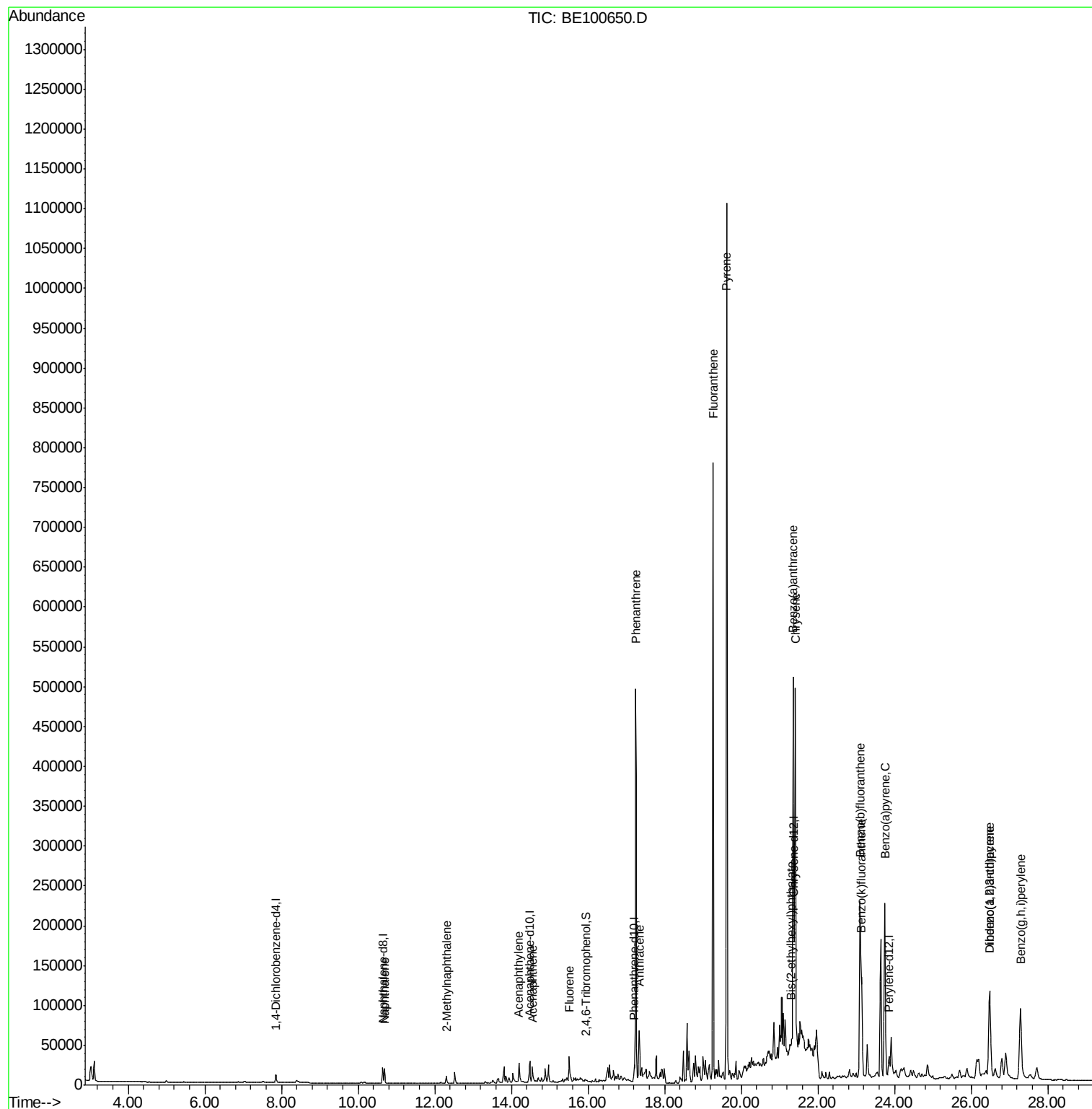
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
Data File : BE100650.D
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#1

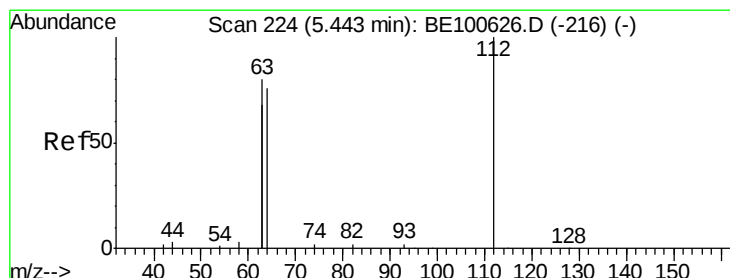
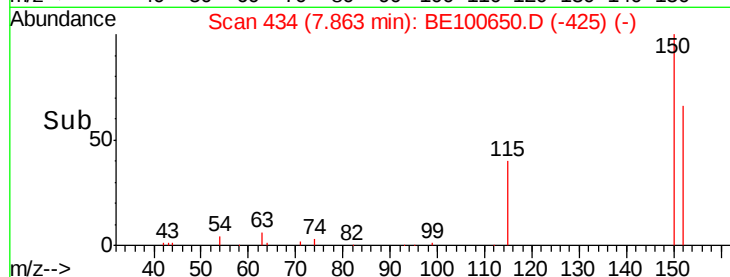
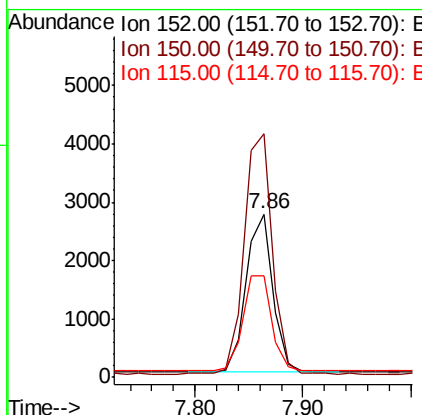
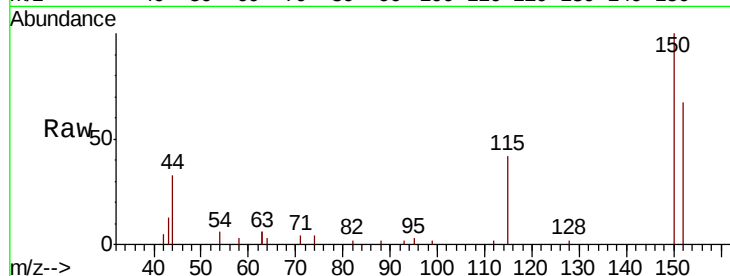
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.2	120.7	181.1
115	62.5	48.0	72.0

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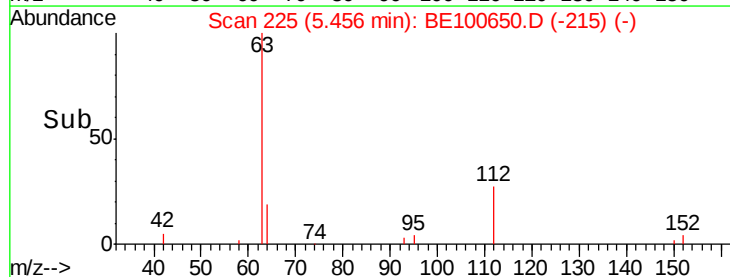
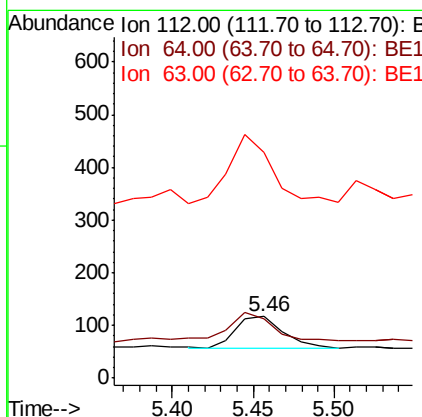
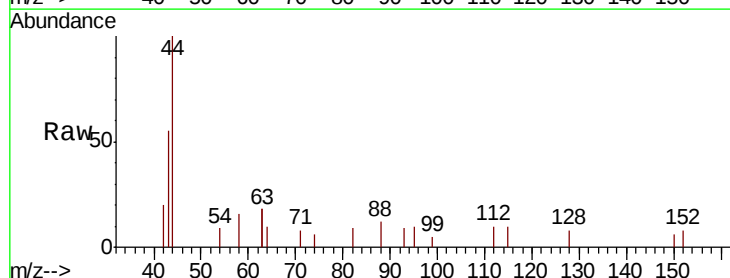
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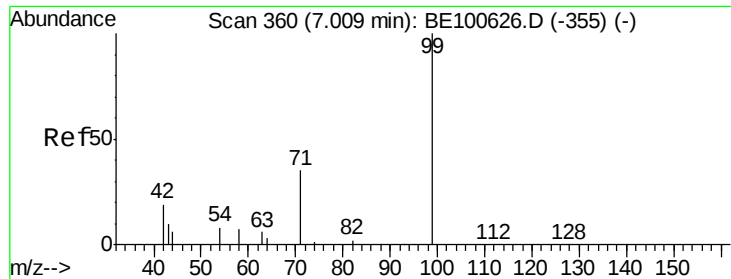


#4

2-Fluorophenol
Concen: 0.008 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	98.4	58.9	88.3#
63	198.4	118.3	177.5#





#5

Phenol-d6

Concen: 0.011 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Instrument :

BNA_E

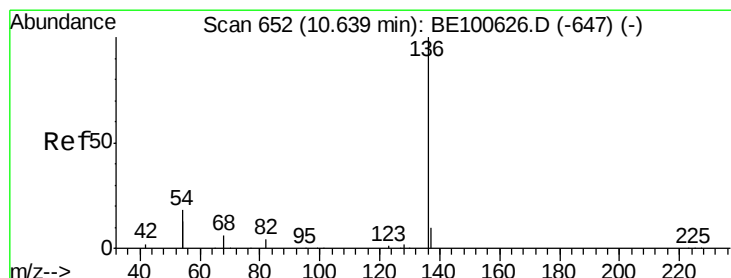
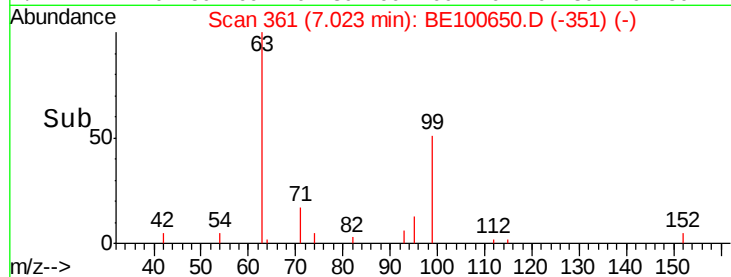
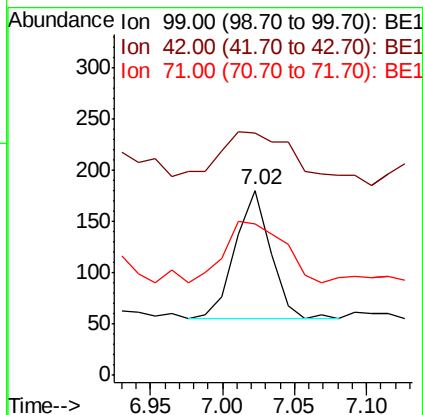
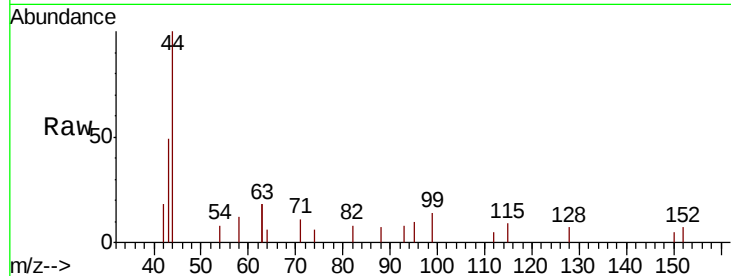
ClientSampleId :

EXT-SW093-091819-2DL

Tot Ion:	99	Resp:	218
Ion	Ratio	Lower	Upper
99	100		
42	86.2	19.4	29.2#
71	80.3	26.9	40.3#

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#7

Naphthalene-d8

Concen: 0.400 ng

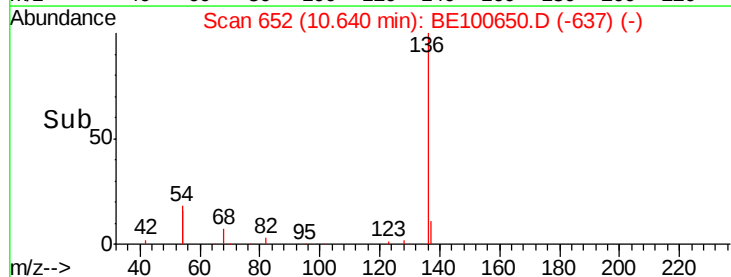
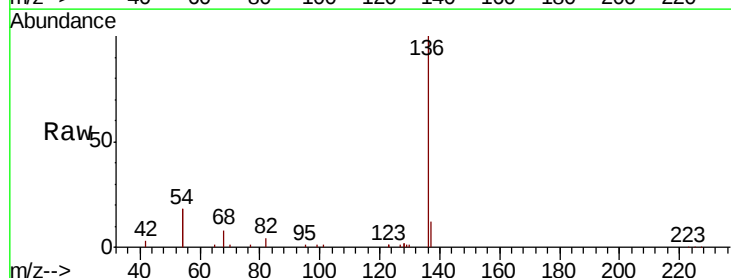
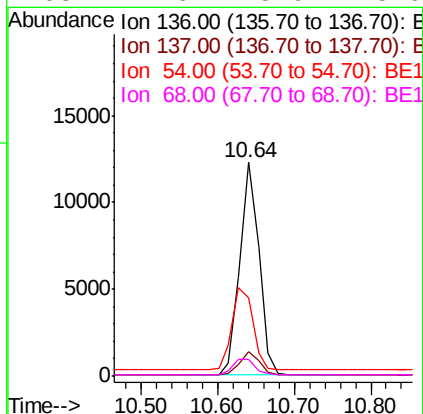
RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Tgt Ion:	136	Resp:	21353
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.6	13.0
54	36.6	28.7	43.1
68	7.6	5.9	8.9





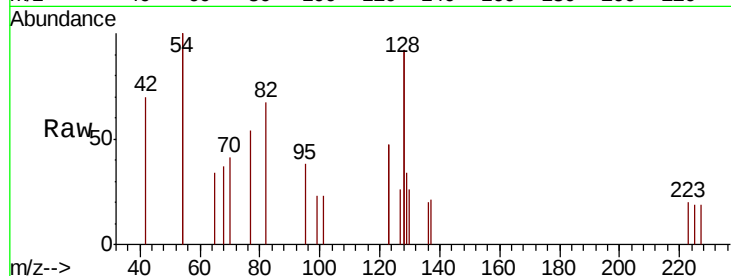
#8
Nitrobenzene-d5
Concen: 0.014 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

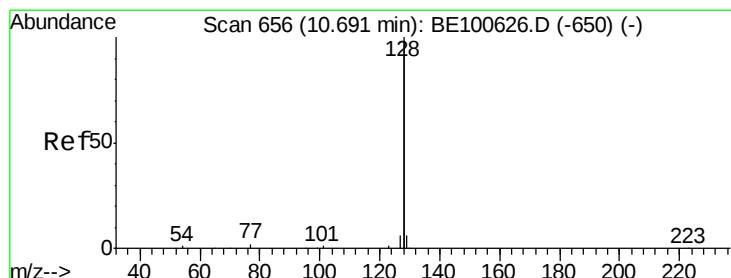
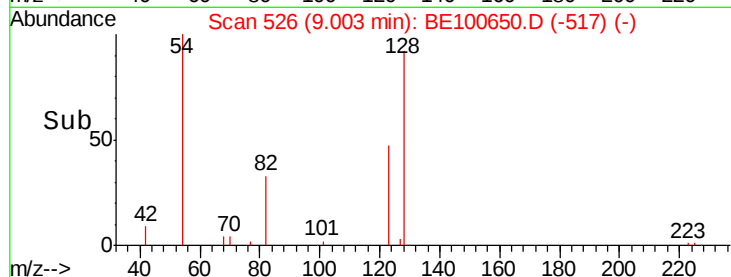
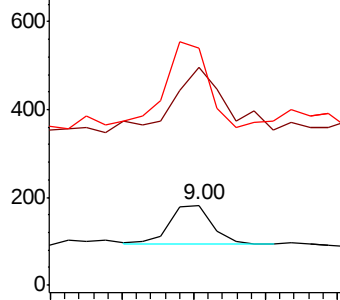
Tot Ion	Ratio	Lower	Upper
82	100		
128	272.5	90.7	136.1#
54	296.7	210.9	316.3

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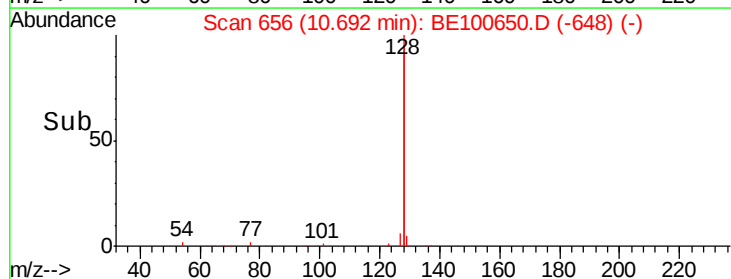
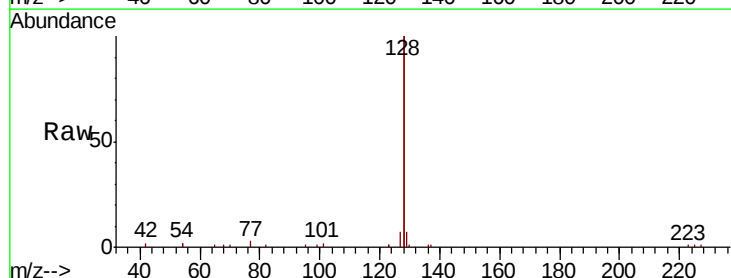
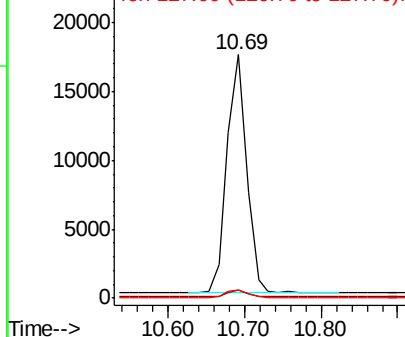
Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE1

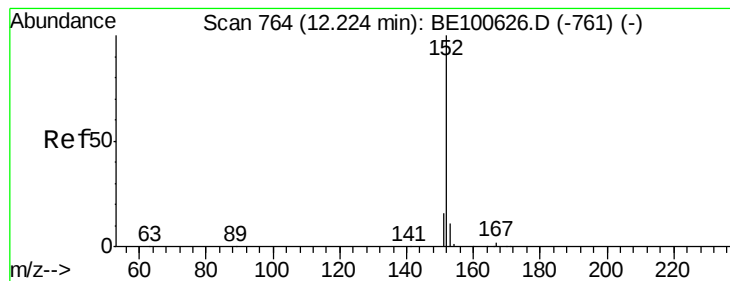


#9
Naphthalene
Concen: 0.137 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.4	3.6
127	3.4	2.6	3.8

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





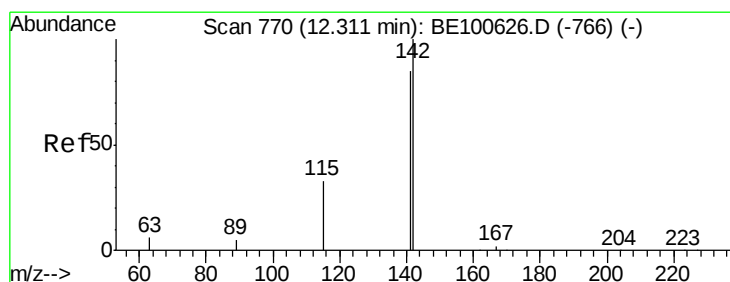
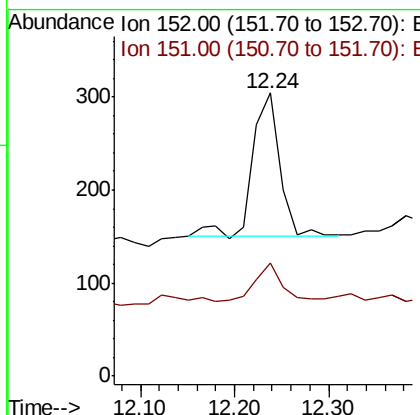
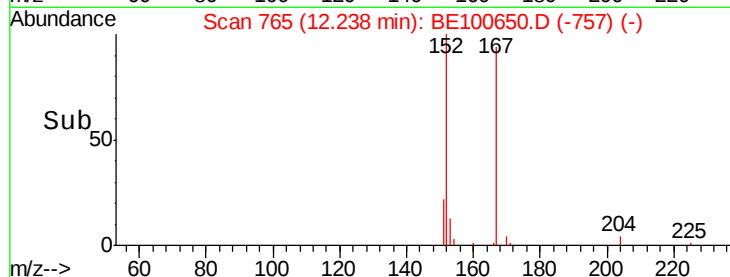
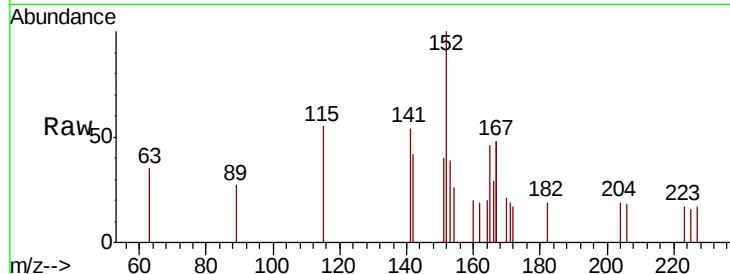
#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion:152 Resp: 317
Ion Ratio Lower Upper
152 100
151 24.9 15.2 22.8#

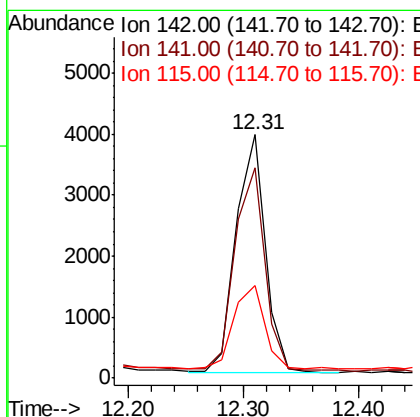
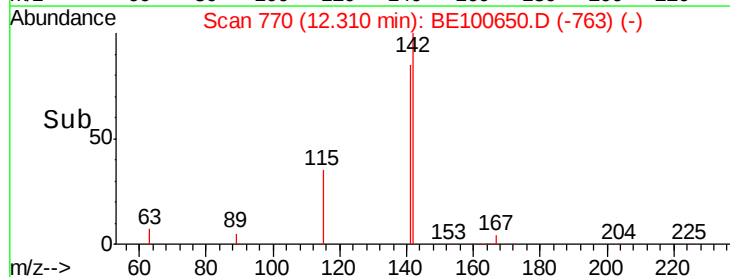
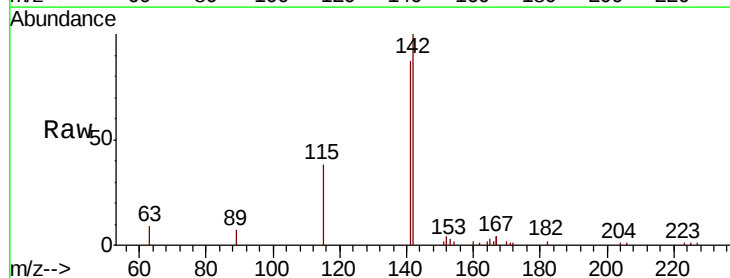
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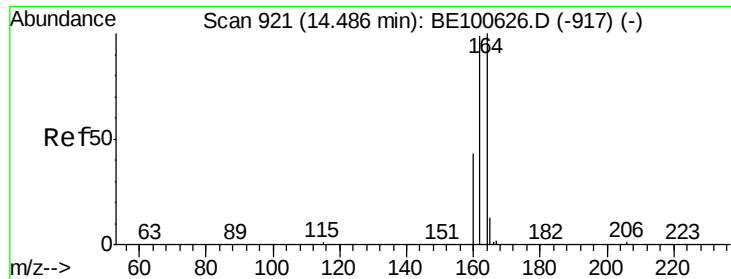
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#12
2-Methylnaphthalene
Concen: 0.180 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion:142 Resp: 6879
Ion Ratio Lower Upper
142 100
141 86.5 68.3 102.5
115 38.0 27.5 41.3





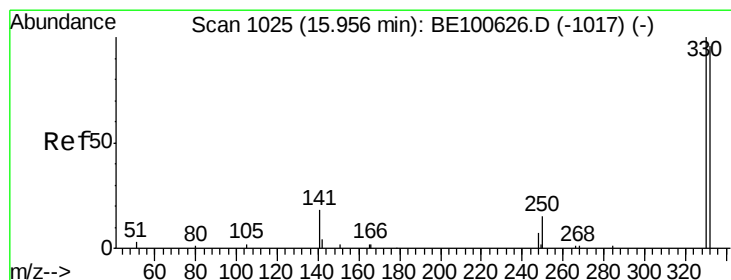
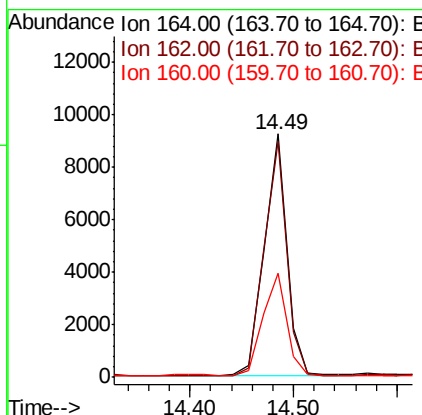
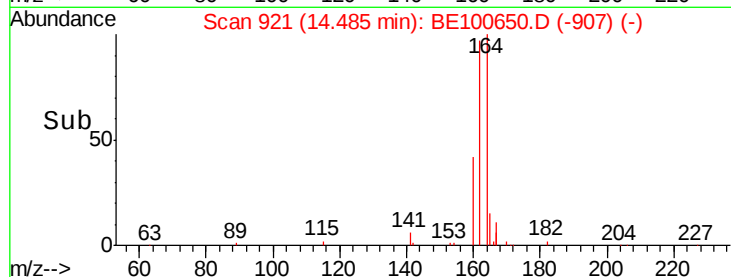
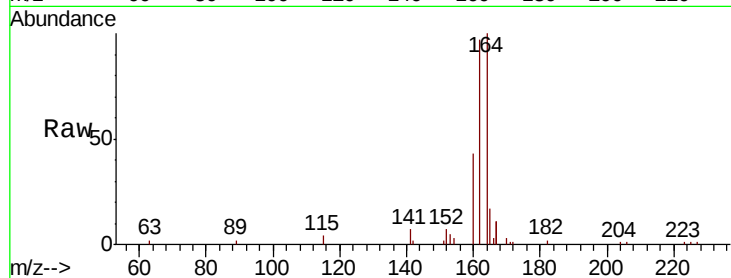
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.1	118.7
160	43.0	34.7	52.1

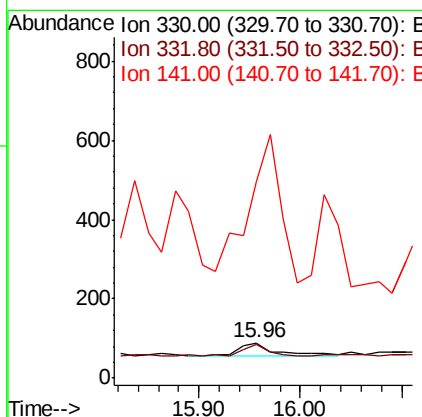
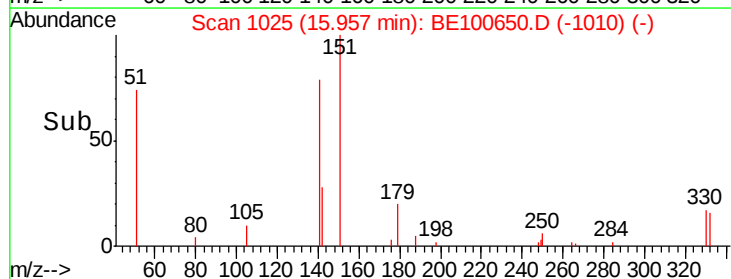
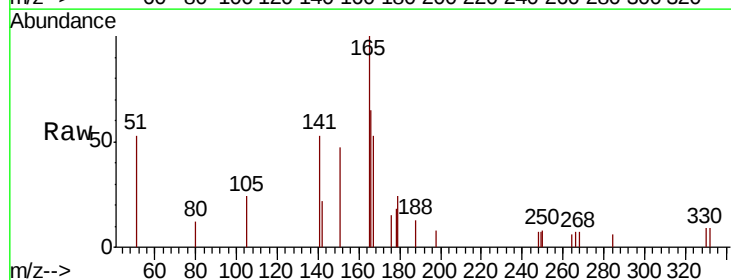
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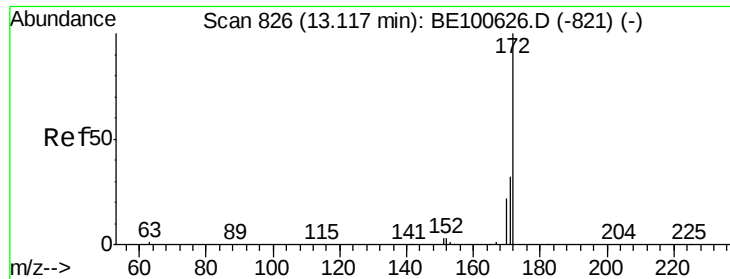
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#14
2,4,6-Tribromophenol
Concen: 0.027 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	53.0	75.2	112.8#
141	836.0	37.5	56.3#





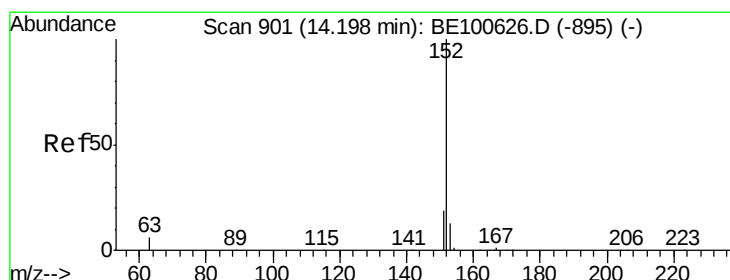
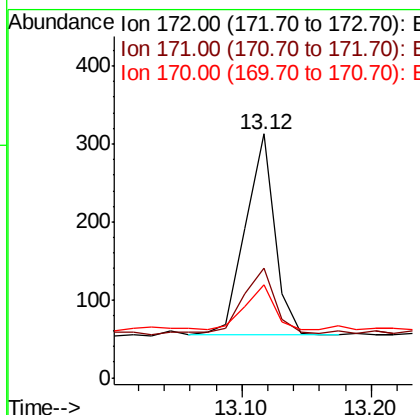
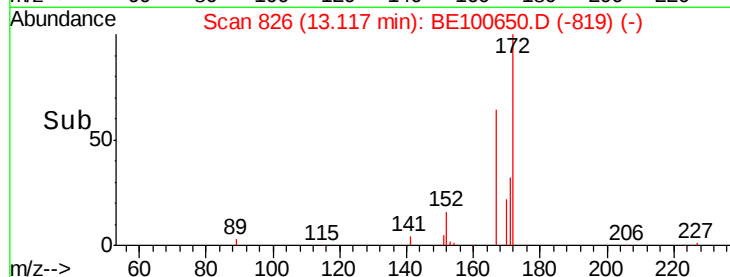
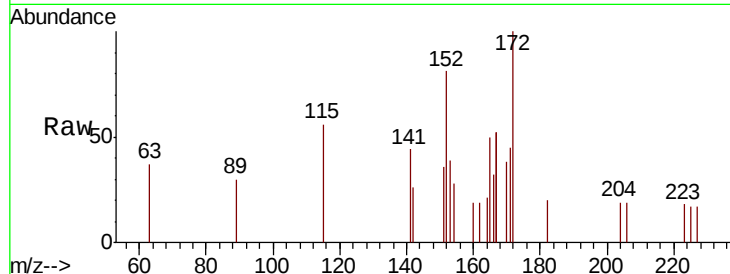
#15
2-Fluorobiphenyl
Concen: 0.008 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.0	26.2	39.4#
170	38.0	17.5	26.3#

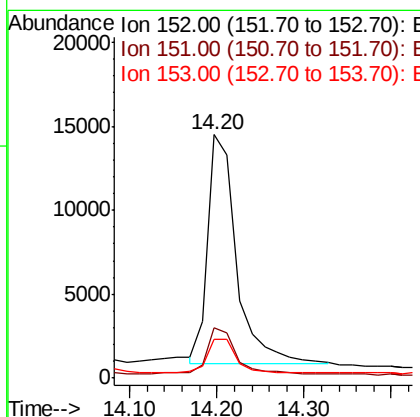
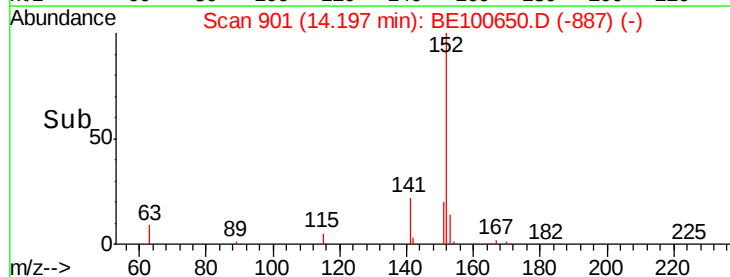
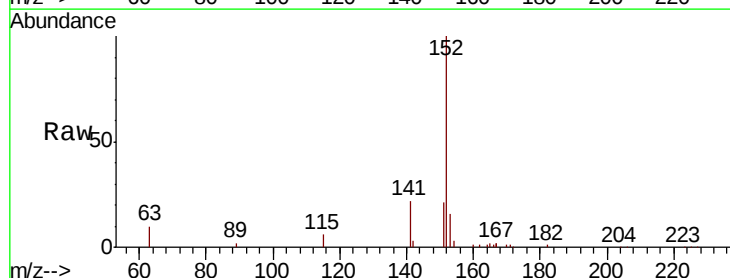
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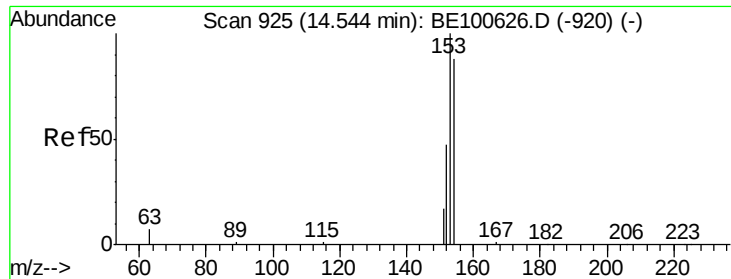
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#16
Acenaphthylene
Concen: 0.529 ng m
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.6	23.4
153	15.3	10.5	15.7





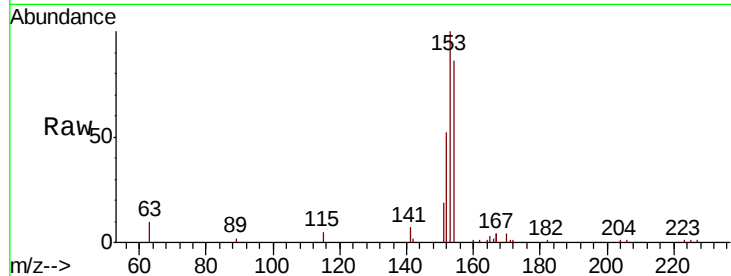
#17
Acenaphthene
Concen: 0.253 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.2	91.4	137.2
152	58.2	44.0	66.0

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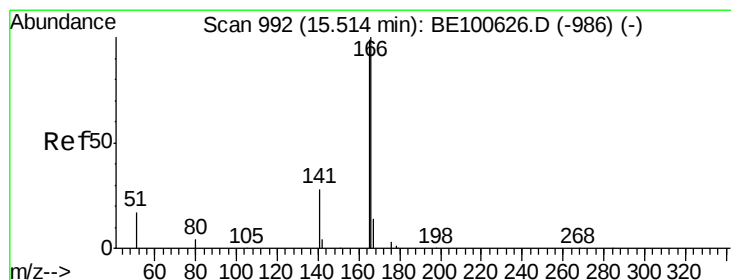
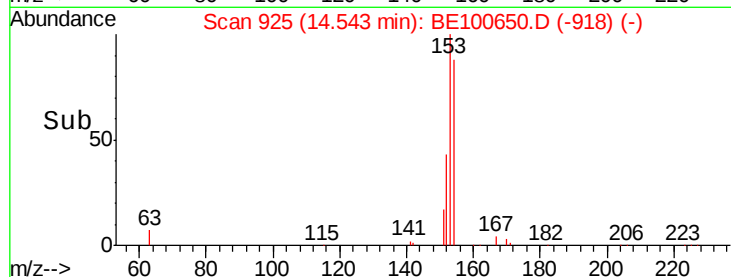
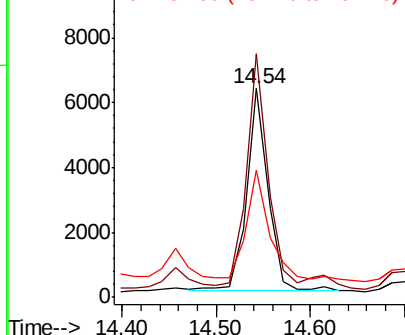


Abundance

Ion 154.00 (153.70 to 154.70): E

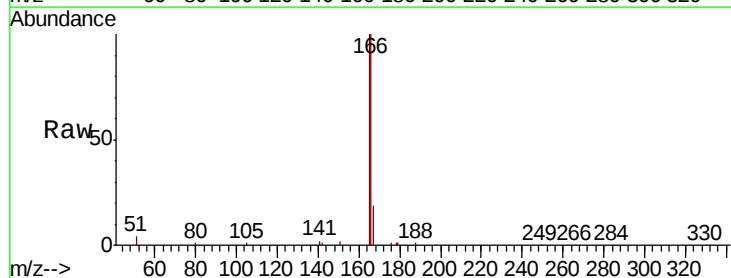
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.474 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.1	78.9	118.3
167	23.7	10.9	16.3#

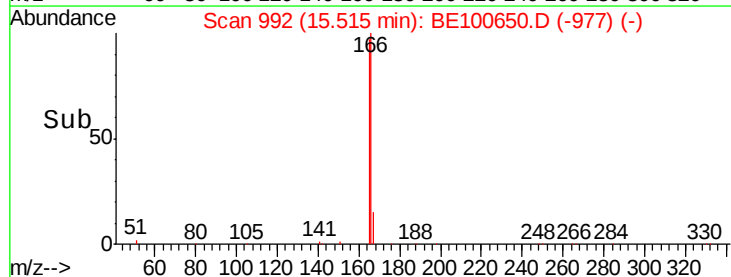
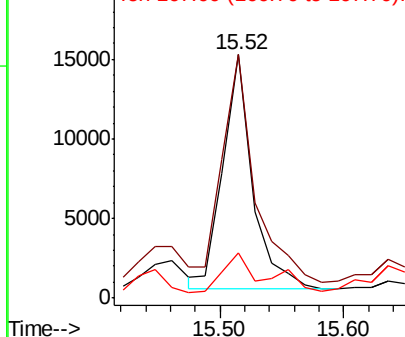


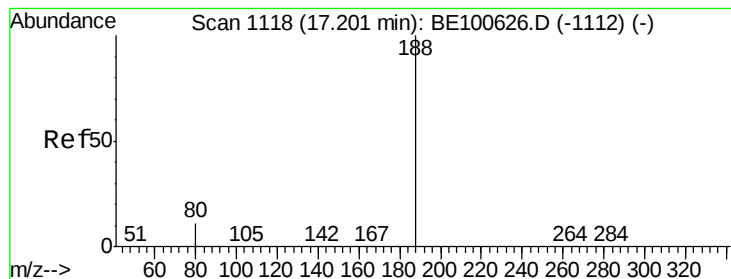
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Instrument :

BNA_E

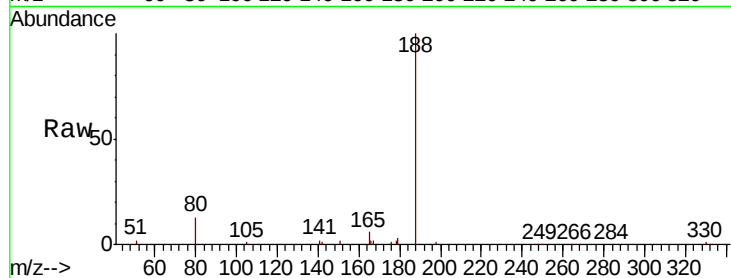
ClientSampleId :

EXT-SW093-091819-2DL

Tot Ion:	188	Resp:	29130
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.3	9.4	14.2

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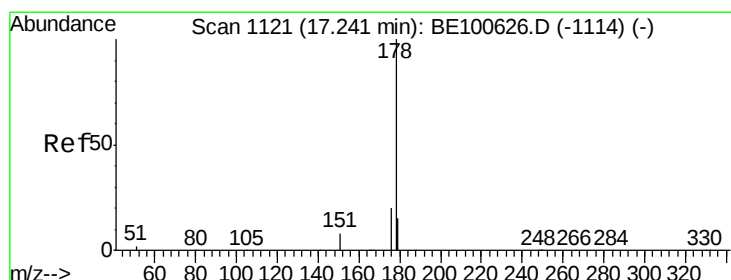
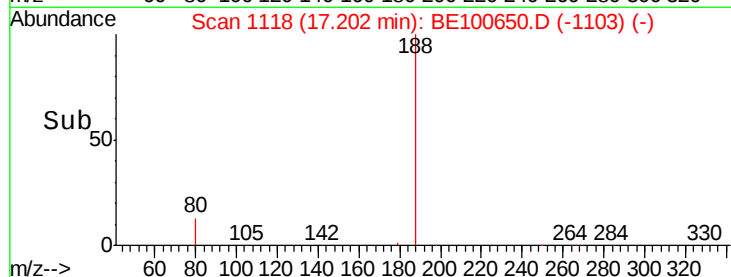
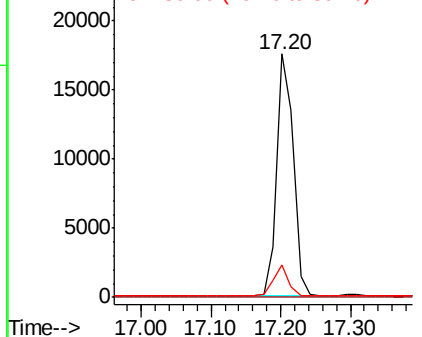
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 6.989 ng

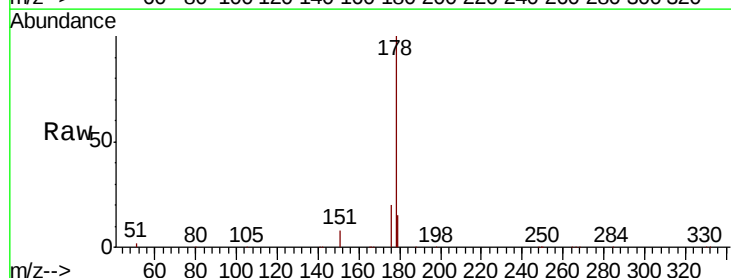
RT: 17.24 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

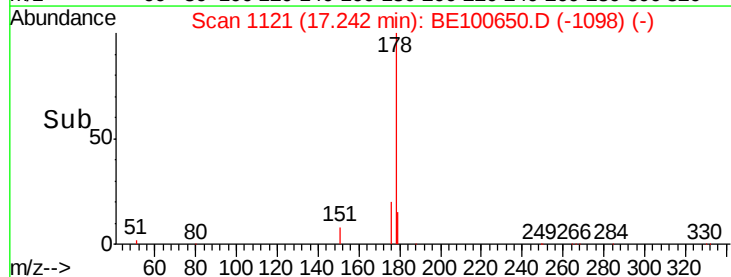
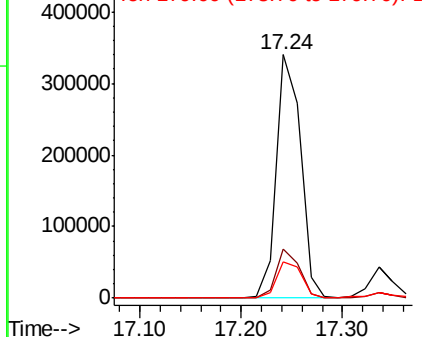
Tgt Ion:	178	Resp:	560018
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.6	23.4
179	15.7	12.4	18.6

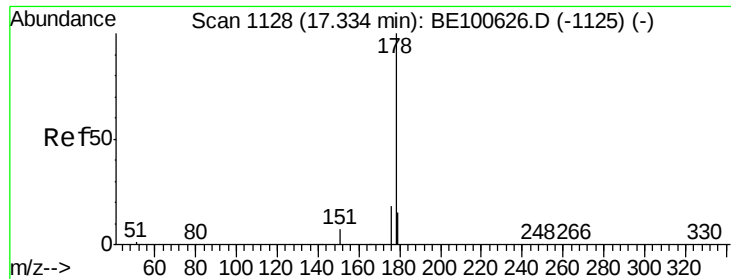


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.912 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Instrument :

BNA_E

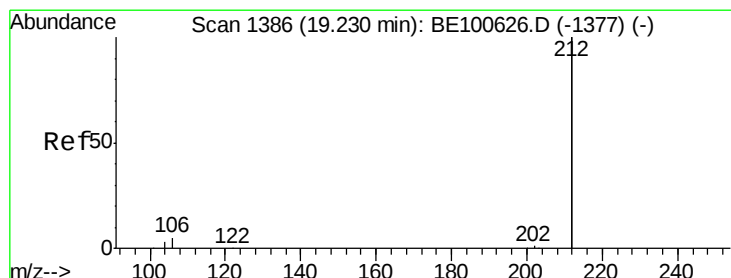
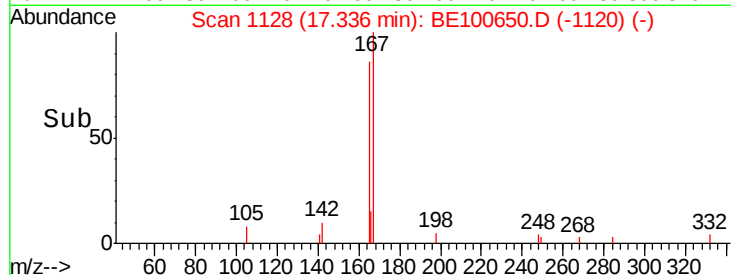
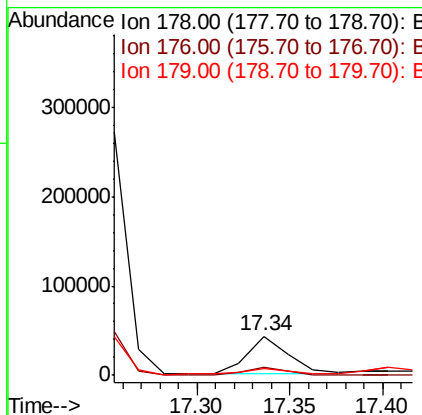
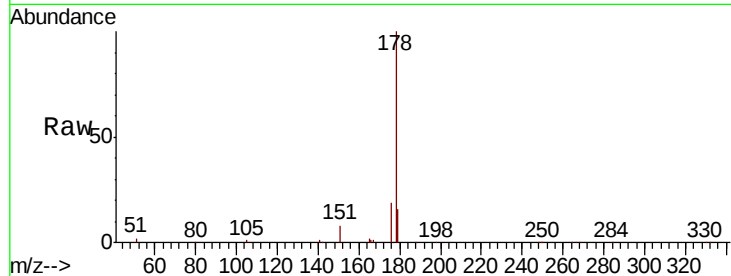
ClientSampleId :

EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	13.2	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.007 ng

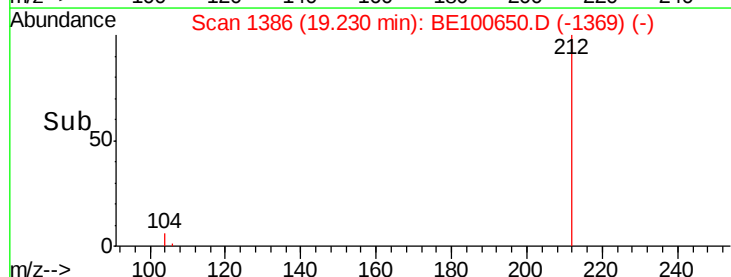
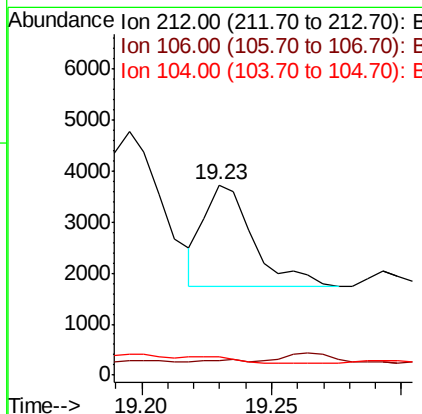
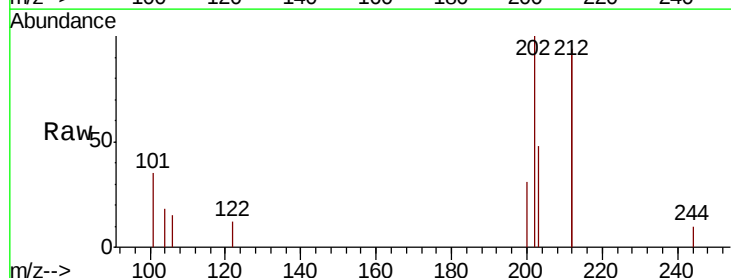
RT: 19.23 min Scan# 1386

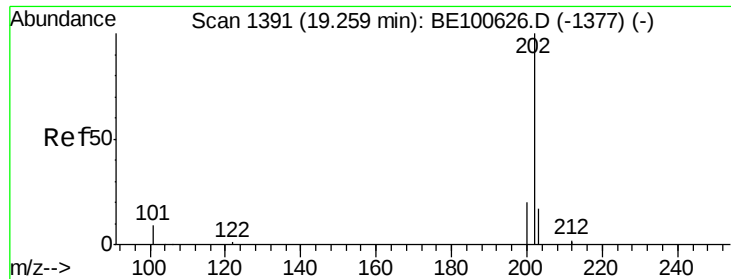
Delta R.T. -0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

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





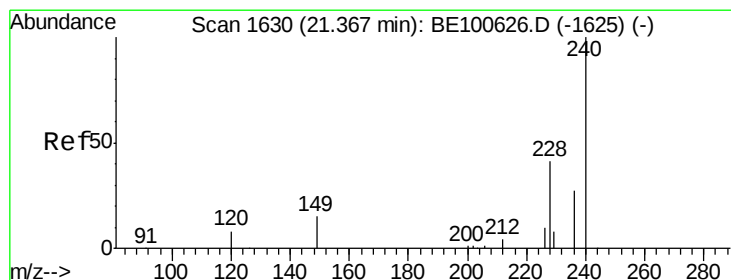
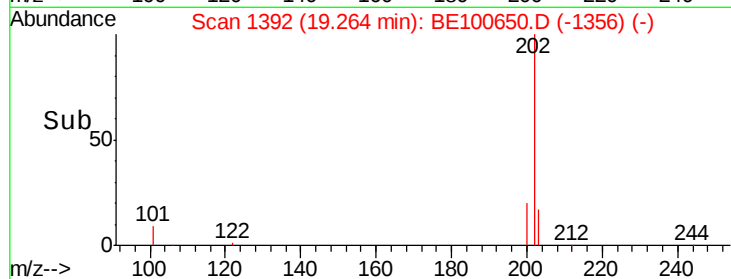
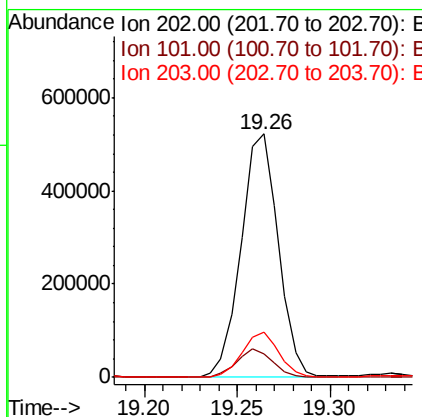
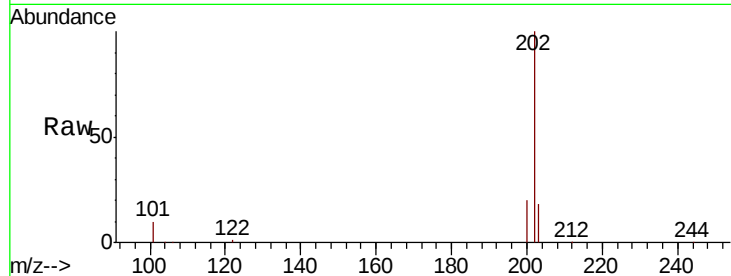
#26
Fluoranthene
Concen: 6.940 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.9	8.4	12.6
203	18.0	13.8	20.6

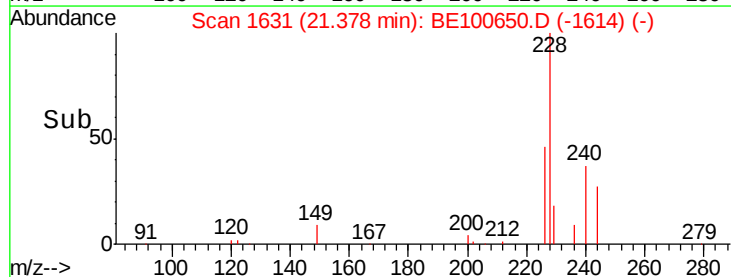
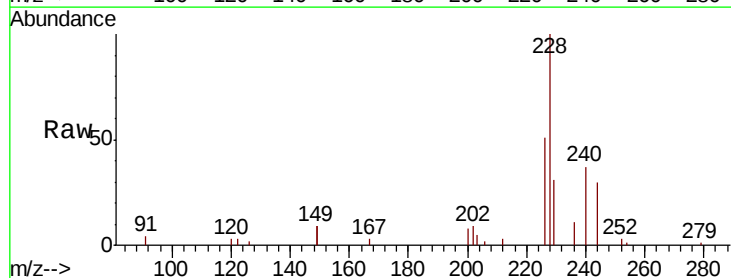
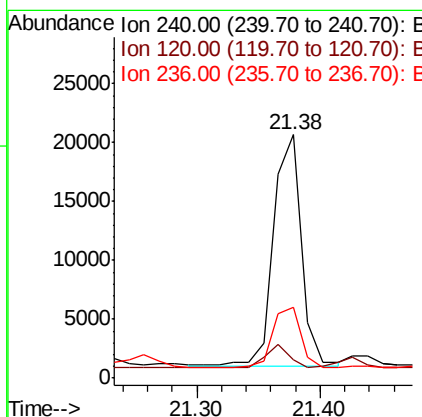
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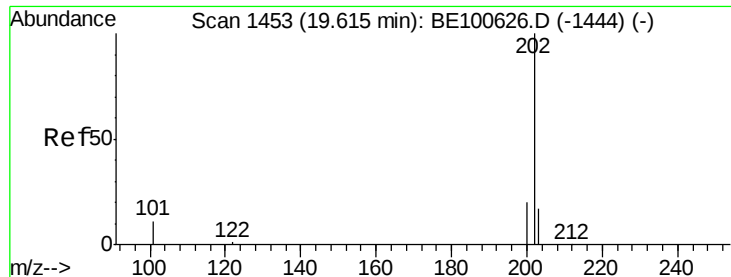
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	7.7	7.4	11.0
236	29.0	21.7	32.5





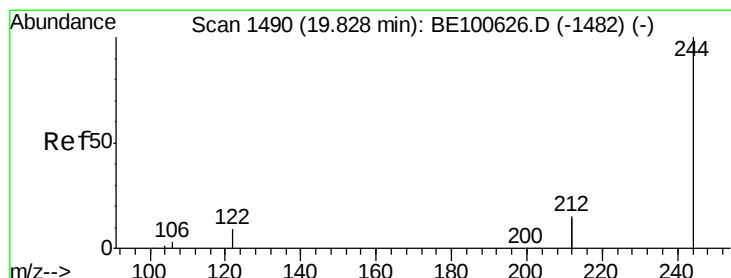
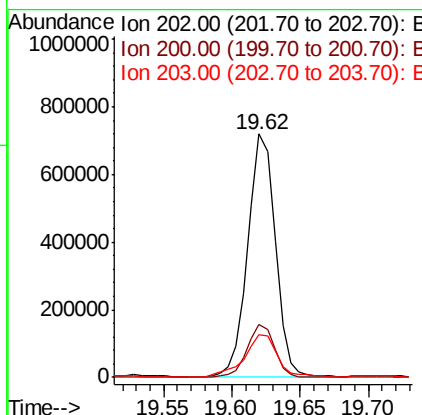
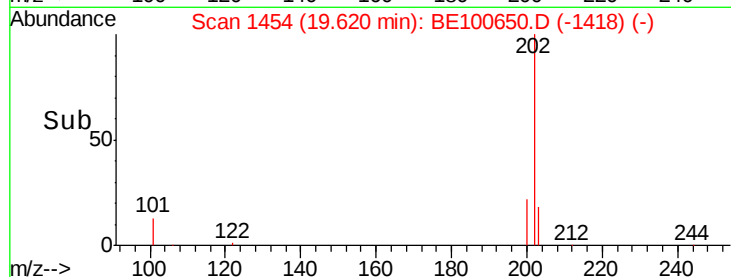
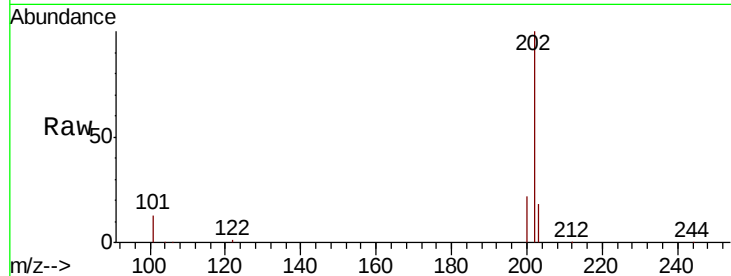
#28
Pvrene
Concen: 11.413 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	16.6	24.8
203	21.0	13.9	20.9

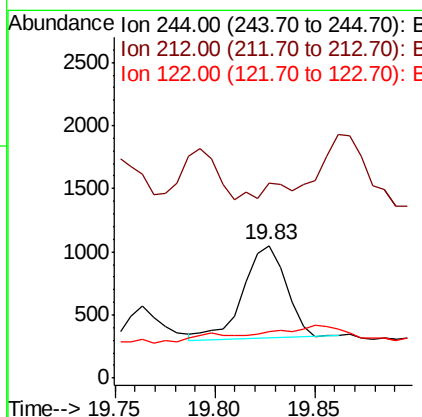
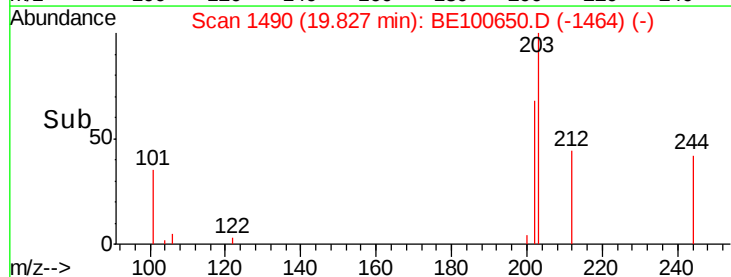
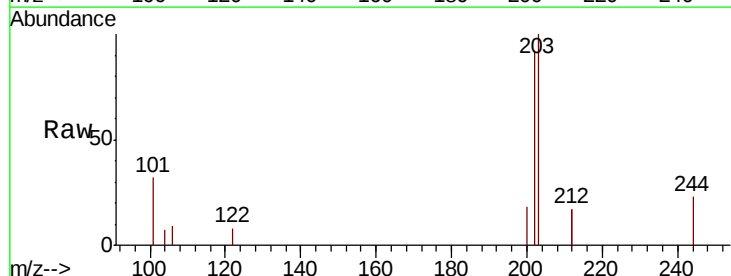
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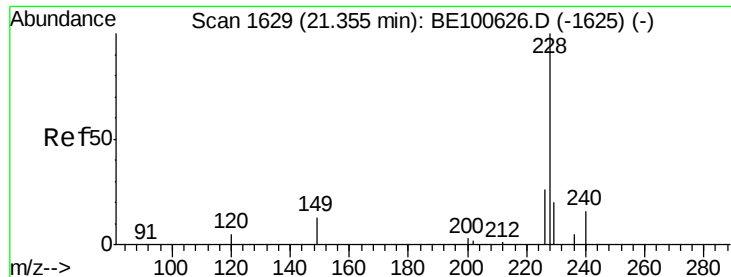
mohammad
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#29
Terphenyl-d14
Concen: 0.016 ng
RT: 19.83 min Scan# 1490
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	147.3	23.9	35.9
122	35.4	7.7	11.5





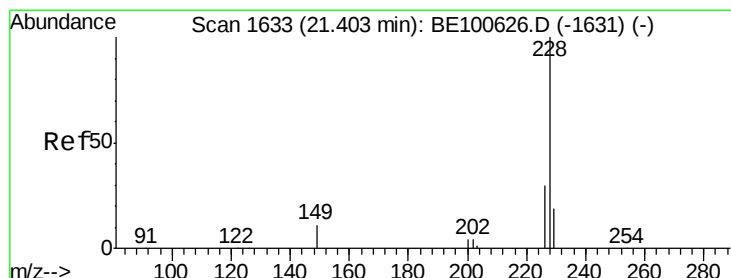
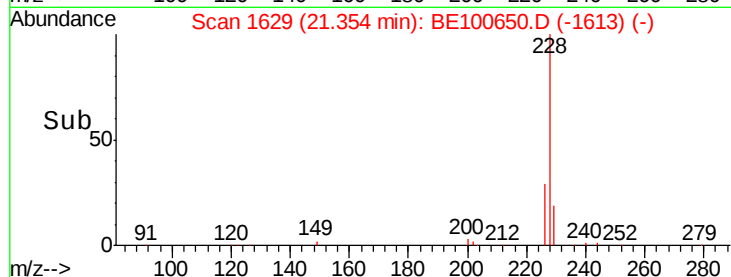
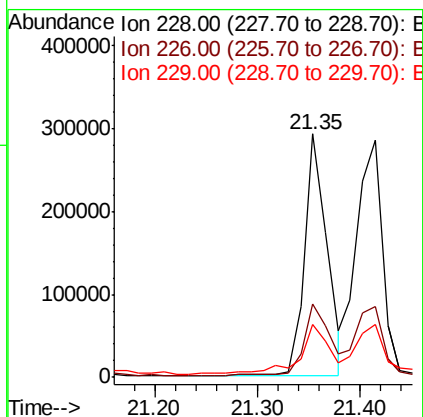
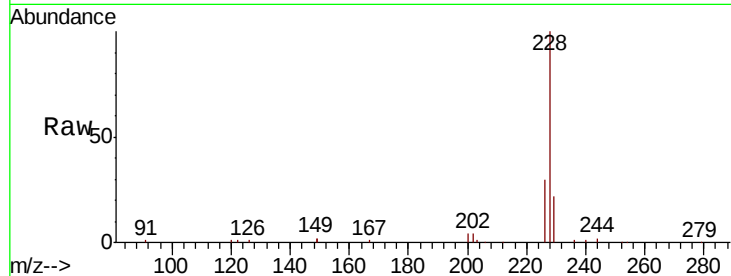
#30
Benzo(a)anthracene
Concen: 4.366 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	21.0	31.6
229	21.7	15.8	23.8

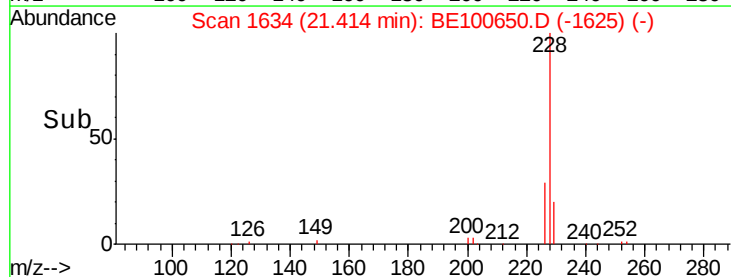
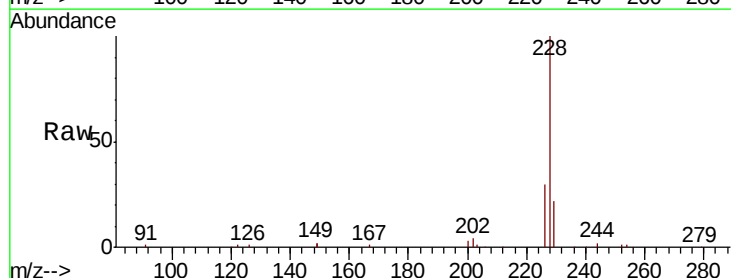
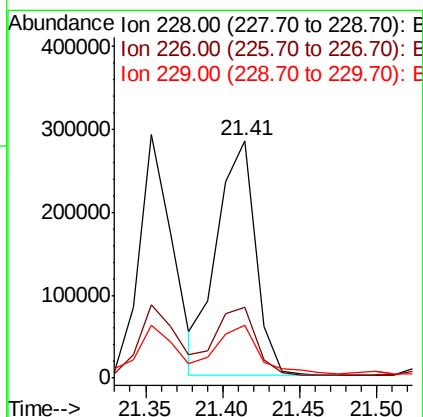
Manual Integrations
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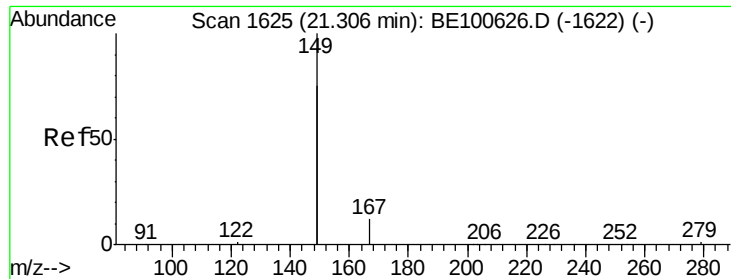
mohammad
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#31
Chrysene
Concen: 4.779 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.5	36.7
229	22.5	15.6	23.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.024 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Instrument :

BNA_E

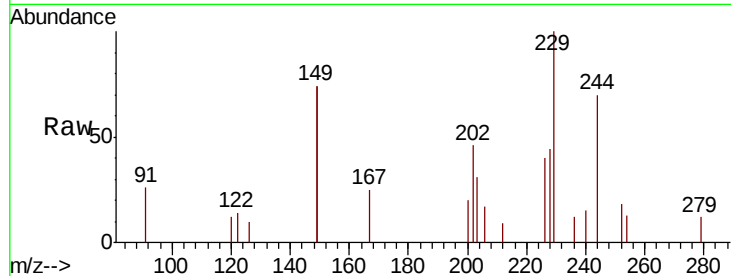
ClientSampleId :

EXT-SW093-091819-2DL

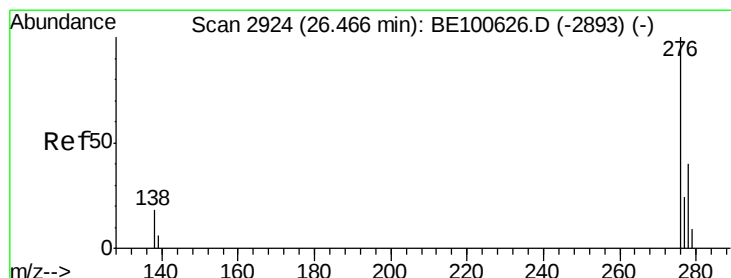
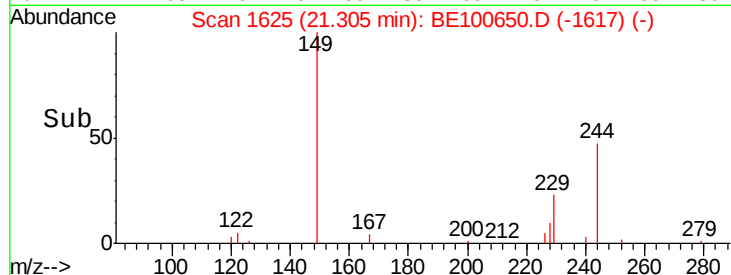
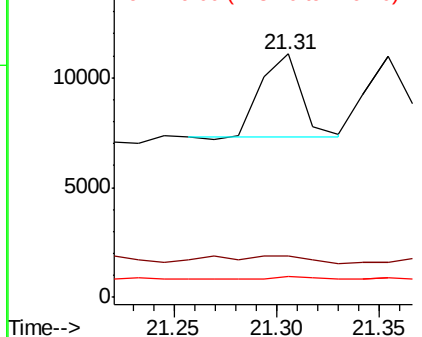
Tot Ion:	149	Resp:	5101
Ion Ratio	Lower	Upper	
149	100		
167	20.8	5.4	8.2#
279	3.6	1.5	2.3#

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



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.713 ng

RT: 26.48 min Scan# 2927

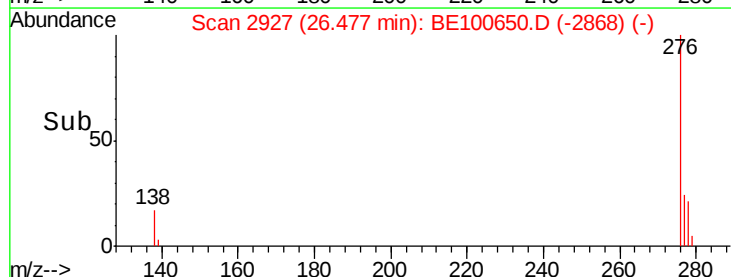
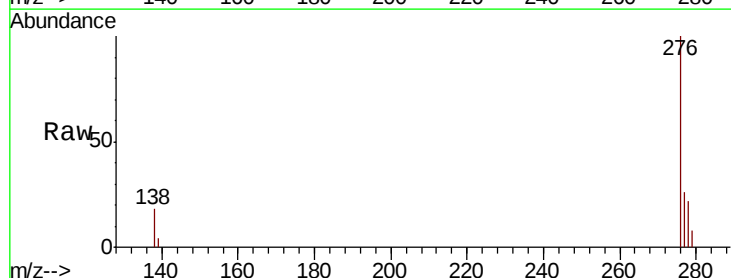
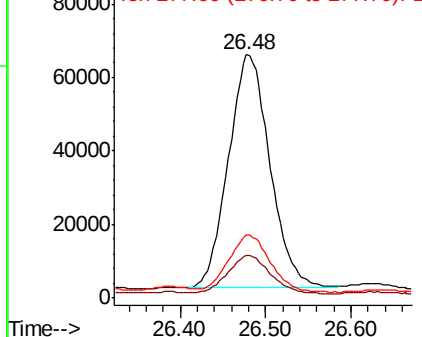
Delta R.T. 0.01 min

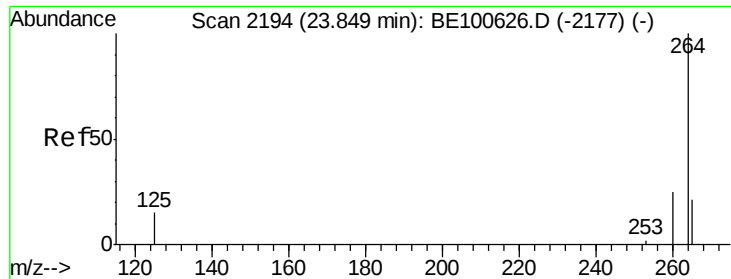
Lab File: BE100650.D

Acq: 15 Oct 2019 15:25

Tgt Ion:	276	Resp:	214902
Ion Ratio	Lower	Upper	
276	100		
138	16.6	16.0	24.0
277	24.7	19.7	29.5

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





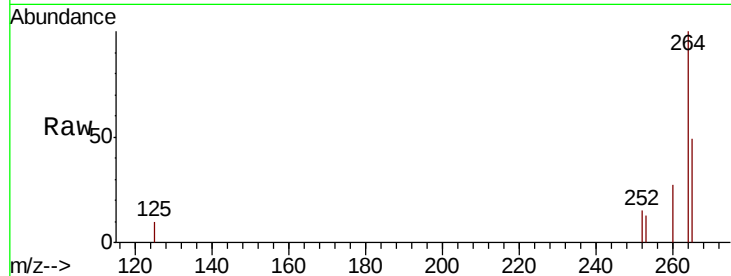
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.9	29.9
265	49.5	20.0	30.0

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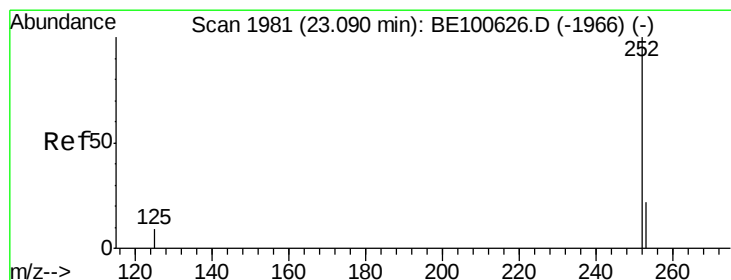
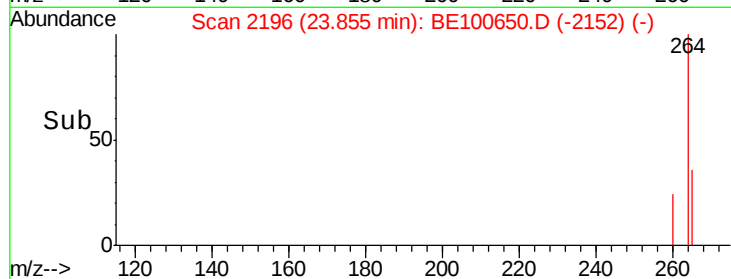
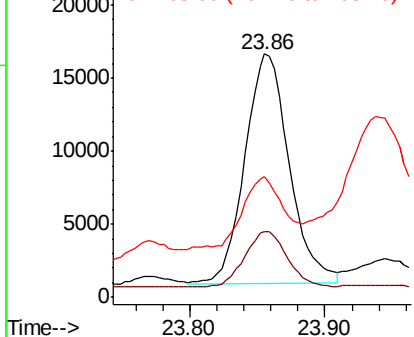


Abundance

Ion 264.00 (263.70 to 264.70): E

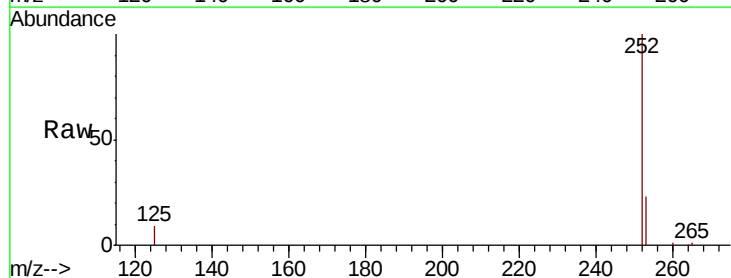
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 4.300 ng
RT: 23.10 min Scan# 1985
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	9.3	7.6	11.4

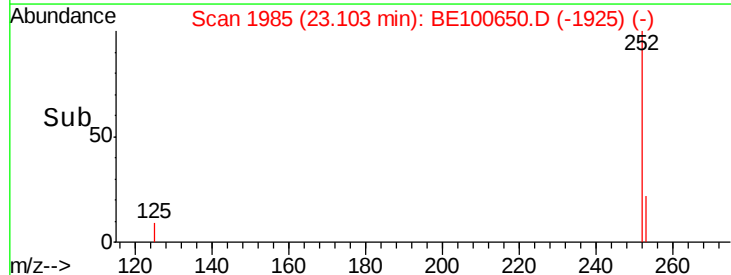
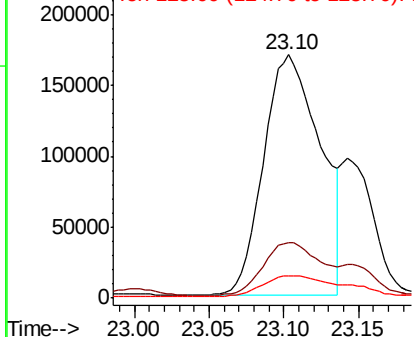


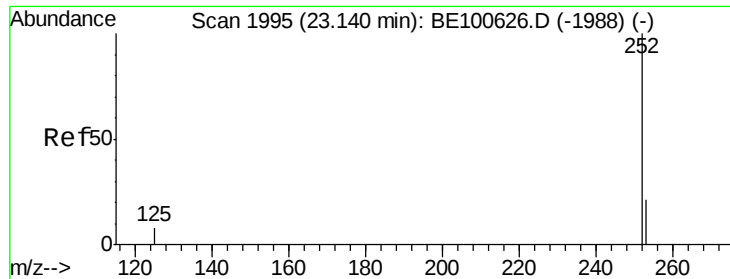
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





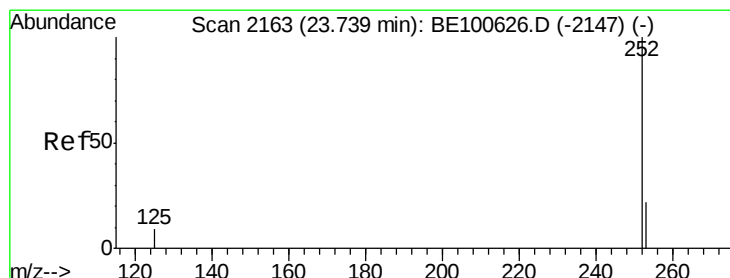
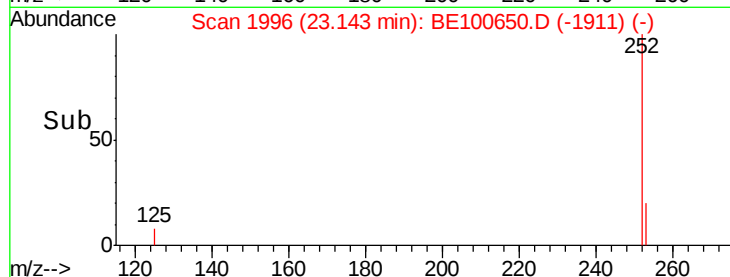
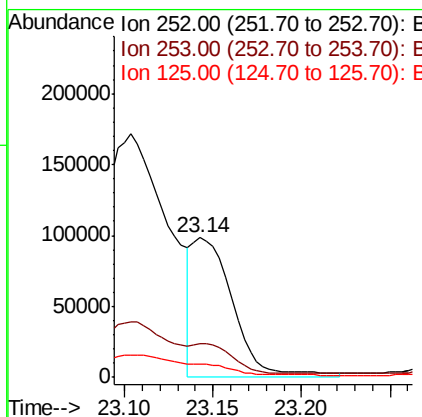
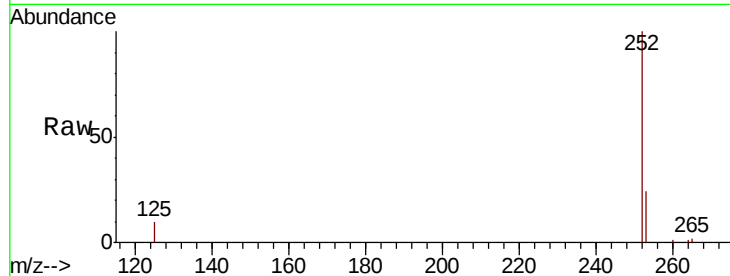
#36
Benzo(k)fluoranthene
Concen: 1.478 ng m
RT: 23.14 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	9.7	7.6	11.4

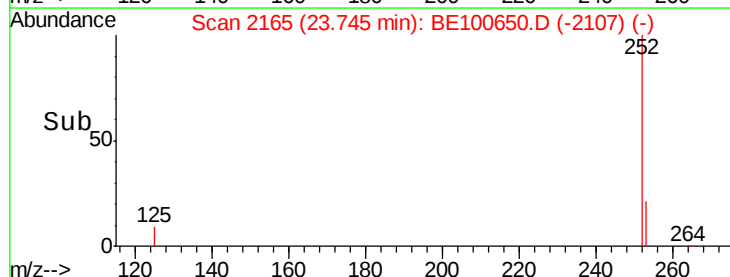
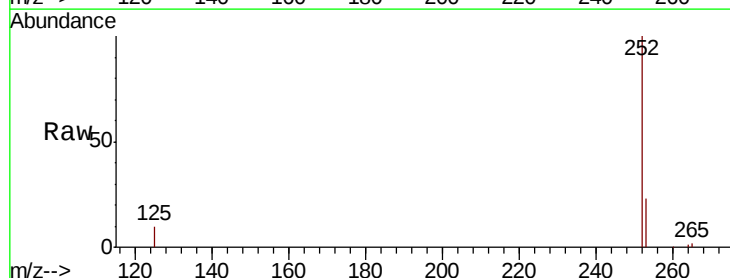
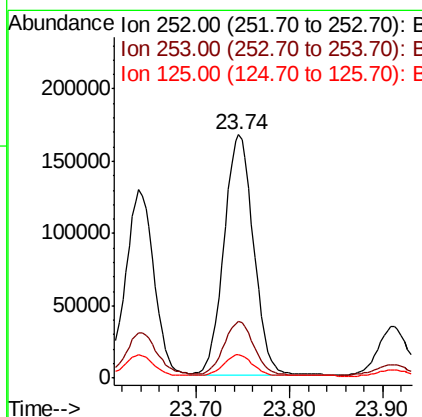
Manual Integrations
APPROVED

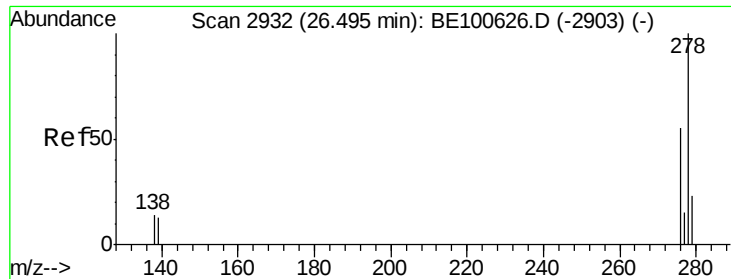
mohammad
10/17/2019 7:56:57 AM



#37
Benzo(a)pyrene
Concen: 3.780 ng
RT: 23.74 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.6	8.1	12.1





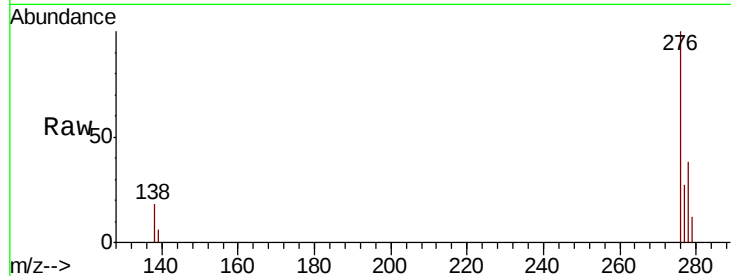
#38
Dibenzo(a,h)anthracene
Concen: 0.627 ng
RT: 26.50 min Scan# 2933
Delta R.T. 0.00 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Instrument :
BNA_E
ClientSampleId :
EXT-SW093-091819-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.2	16.8#
279	32.4	19.0	28.6#

Manual Integrations
APPROVED

mohammad
10/17/2019 7:56:57 AM

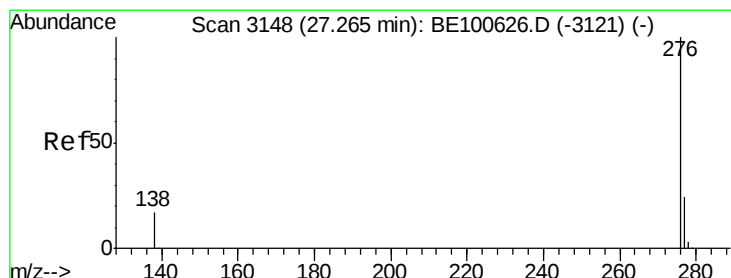
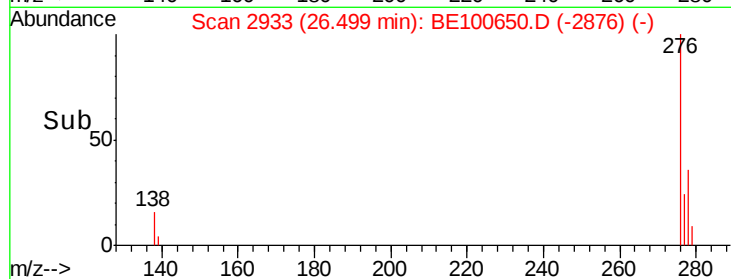
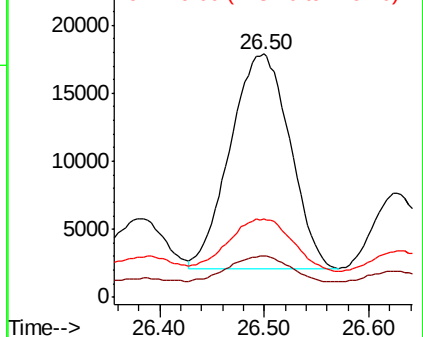


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 2.366 ng
RT: 27.29 min Scan# 3154
Delta R.T. 0.02 min
Lab File: BE100650.D
Acq: 15 Oct 2019 15:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.3	28.9
138	17.6	14.5	21.7

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

