

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
 Data File : BE100648.D
 Acq On : 15 Oct 2019 14:11
 Operator : JU
 Sample : K4994-02DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW091-091819-3DL

Manual Integrations
 APPROVED

mohammad
 10/17/2019 7:56:52 AM

Quant Time: Oct 15 16:32:06 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	4919	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	22454	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	14425	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	29288	0.40	ng	0.00
27) Chrysene-d12	21.38	240	31209	0.40	ng	0.01
34) Perylene-d12	23.86	264	35676	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.46	112	352	0.02	ng	0.01
5) Phenol-d6	7.02	99	576	0.03	ng	0.01
8) Nitrobenzene-d5	9.00	82	489	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	834	0.02	ng	0.01
14) 2,4,6-Tribromophenol	15.96	330	129	0.03	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	1029	0.02	ng	0.00
25) Fluoranthene-d10	19.23	212	6986	0.02	ng	0.00
29) Terphenyl-d14	19.83	244	2059	0.03	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.69	128	78064	0.331	ng	100
12) 2-Methylnaphthalene	12.31	142	9125	0.227	ng	96
16) Acenaphthylene	14.20	152	47662	0.768	ng	98
17) Acenaphthene	14.54	154	6430	0.160	ng	97
18) Fluorene	15.51	166	27150	0.510	ng	87
23) Phenanthrene	17.25	178	485187	6.023	ng	99
24) Anthracene	17.34	178	46390	0.621	ng	99
26) Fluoranthene	19.27	202	714955	6.800	ng	99
28) Pyrene	19.62	202	830786	9.528	ng	# 96
30) Benzo(a)anthracene	21.35	228	400871m	3.938	ng	
31) Chrysene	21.41	228	485105	4.768	ng	97
32) Bis(2-ethylhexyl)phthalate	21.30	149	8909	0.042	ng	# 80
33) Indeno(1,2,3-cd)pyrene	26.48	276	231578	1.852	ng	96
35) Benzo(b)fluoranthene	23.10	252	476690	4.582	ng	98
36) Benzo(k)fluoranthene	23.15	252	166930m	1.560	ng	
37) Benzo(a)pyrene	23.75	252	370284	3.824	ng	98
38) Dibenzo(a,h)anthracene	26.51	278	65623	0.656	ng	# 83
39) Benzo(a,h,i)perylene	27.29	276	246666	2.450	ng	98

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

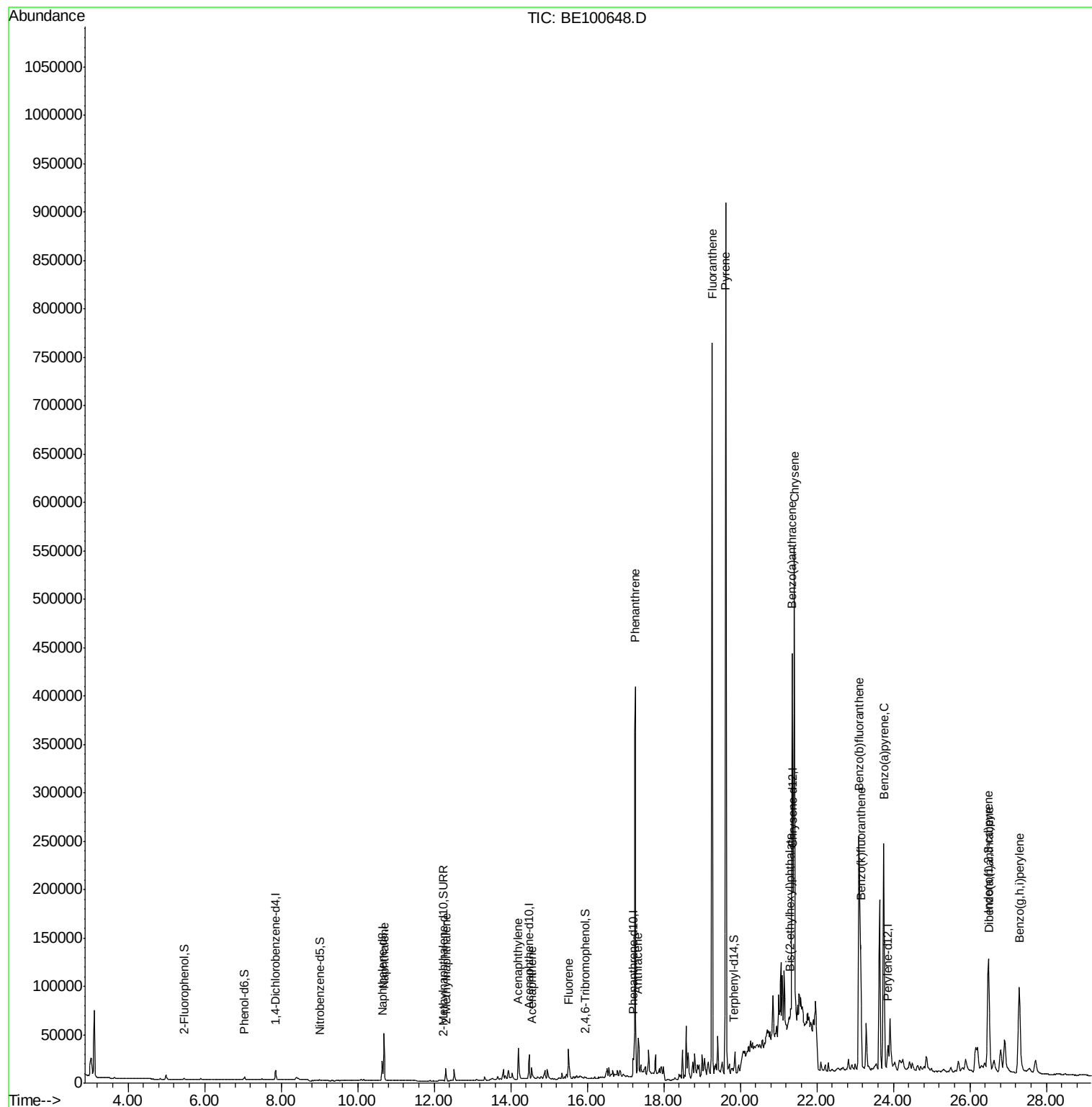
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
Data File : BE100648.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

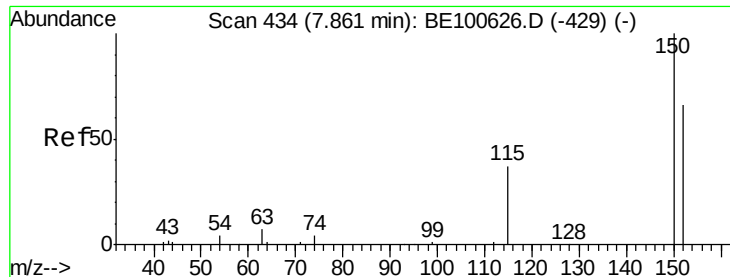
Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Manual Integrations
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10/17/2019 7:56:52 AM

Quant Time: Oct 15 16:32:06 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
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#1

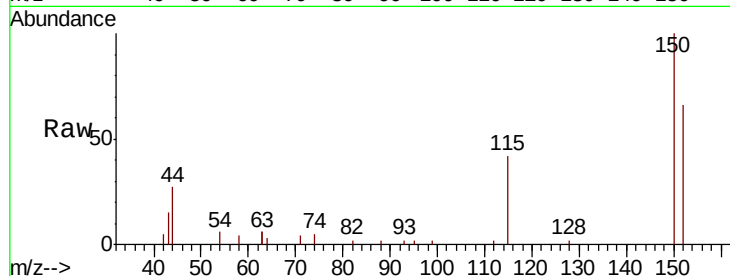
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	120.7	181.1
115	64.1	48.0	72.0

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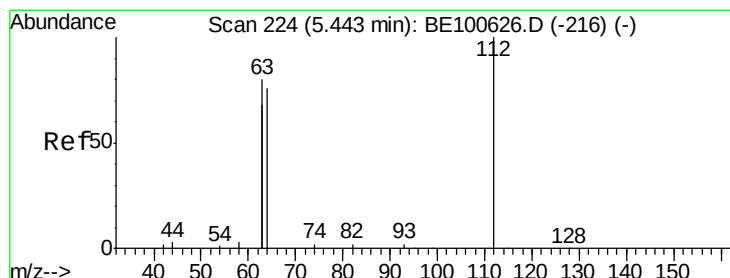
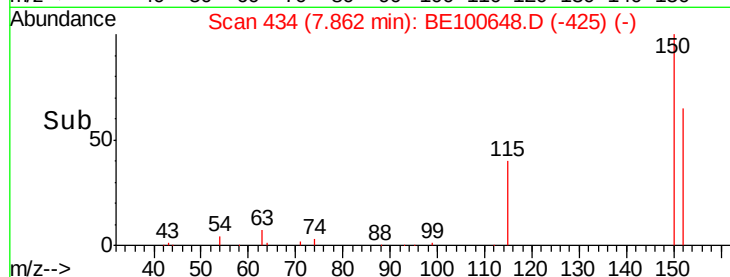
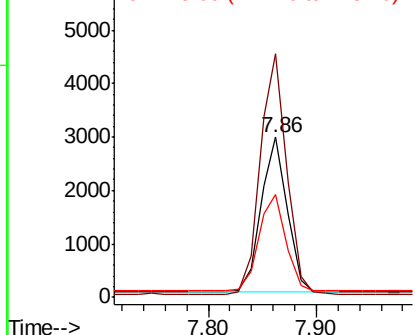


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

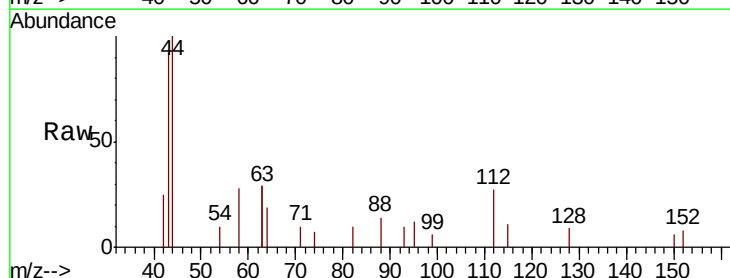
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.023 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.6	58.9	88.3
63	150.0	118.3	177.5

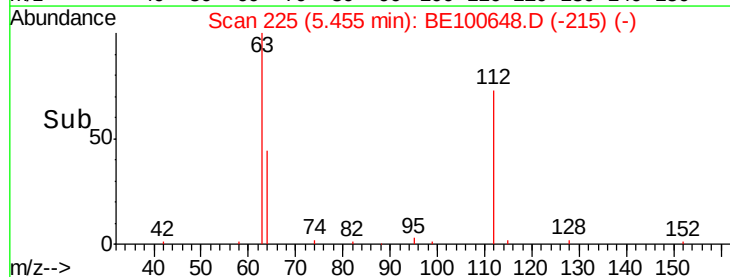
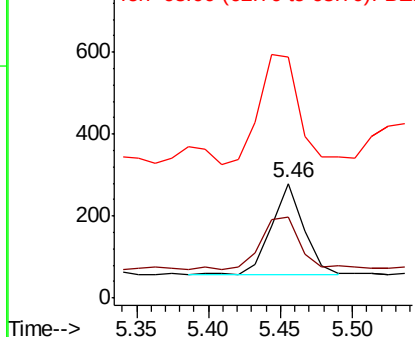


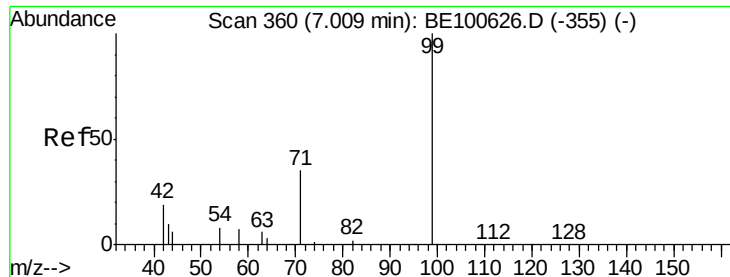
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.027 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Instrument :

BNA_E

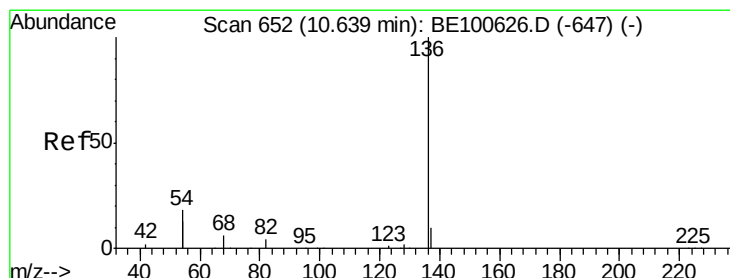
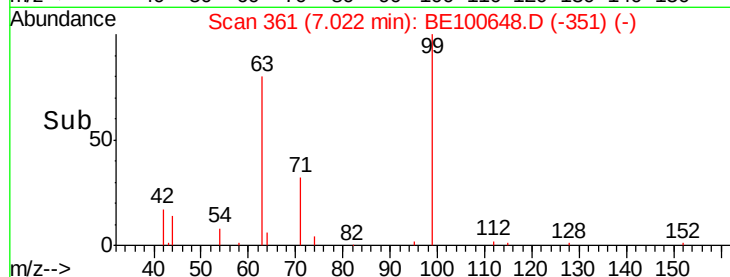
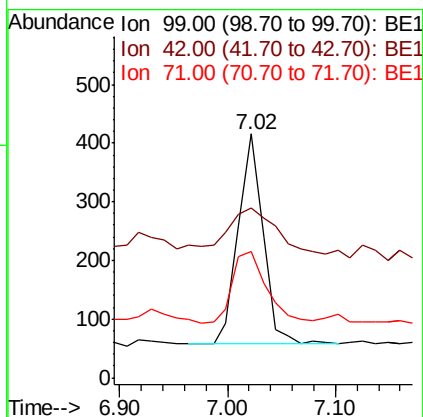
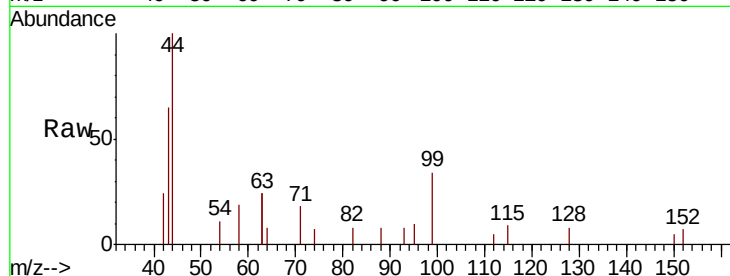
ClientSampleId :

EXT-SW091-091819-3DL

Tot Ion:	99	Resp:	576
Ion	Ratio	Lower	Upper
99	100		
42	40.6	19.4	29.2#
71	46.5	26.9	40.3#

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#7

Naphthalene-d8

Concen: 0.400 ng

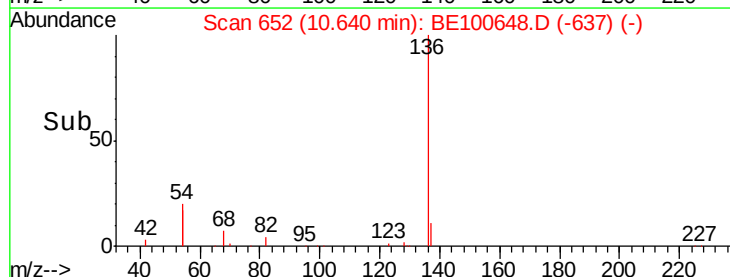
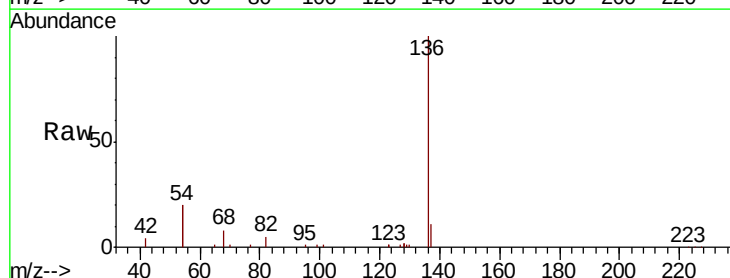
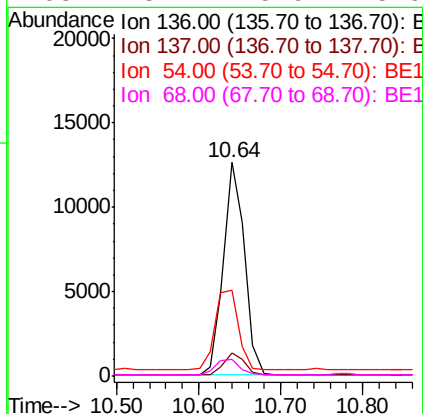
RT: 10.64 min Scan# 652

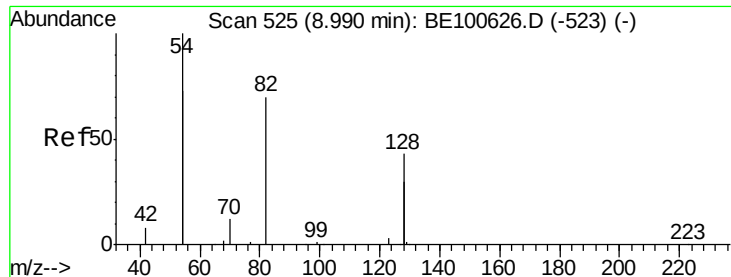
Delta R.T. 0.00 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Tgt Ion:	136	Resp:	22454
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	40.0	28.7	43.1
68	8.1	5.9	8.9





#8

Nitrobenzene-d5

Concen: 0.035 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Instrument :

BNA_E

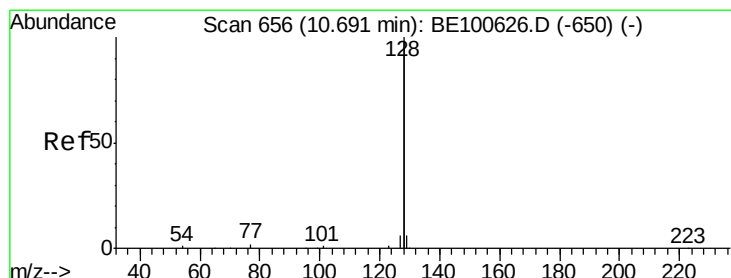
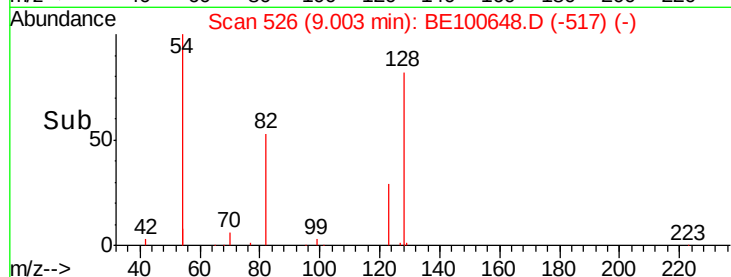
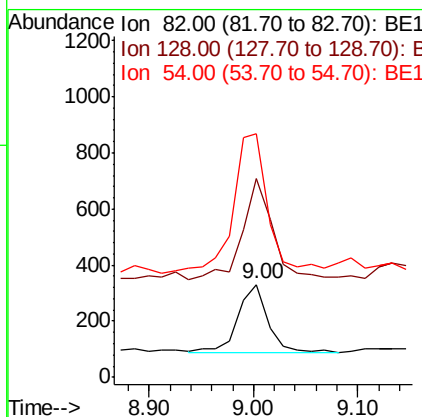
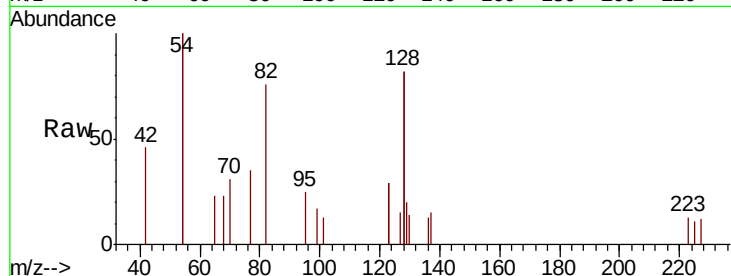
ClientSampleId :

EXT-SW091-091819-3DL

Tot Ion:	82	Resp:	489
Ion	Ratio	Lower	Upper
82	100		
128	213.9	90.7	136.1#
54	261.4	210.9	316.3

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#9

Naphthalene

Concen: 0.331 ng

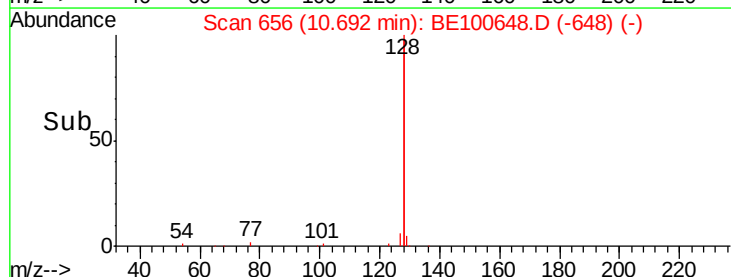
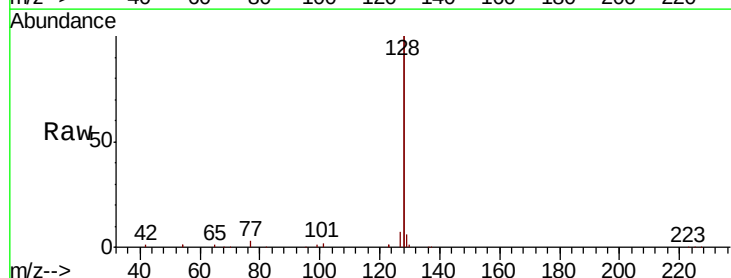
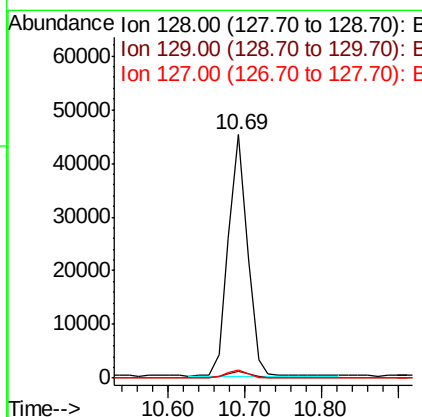
RT: 10.69 min Scan# 656

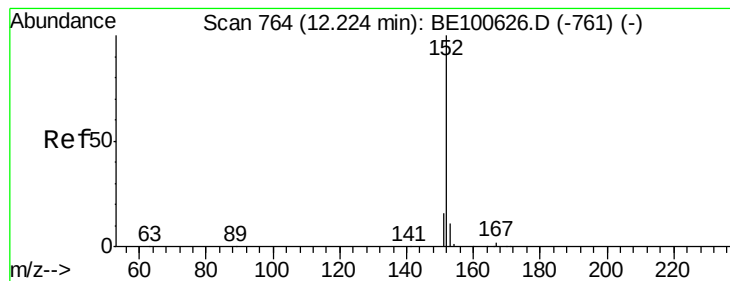
Delta R.T. 0.00 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Tgt Ion:	128	Resp:	78064
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.4	2.6	3.8





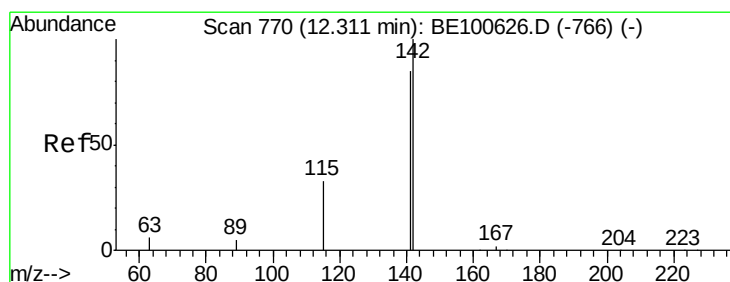
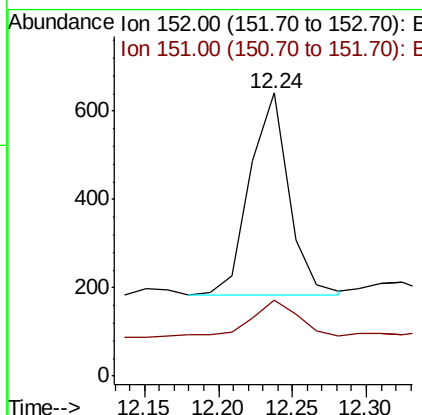
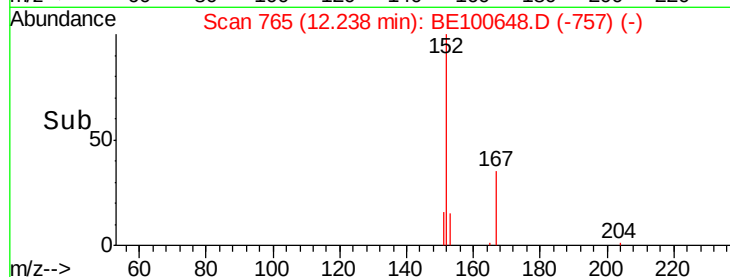
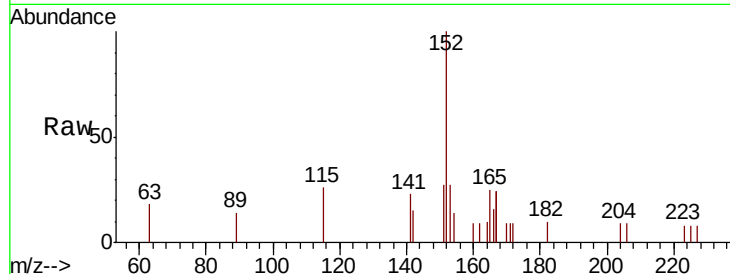
#11
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion:152 Resp: 834
Ion Ratio Lower Upper
152 100
151 23.7 15.2 22.8#

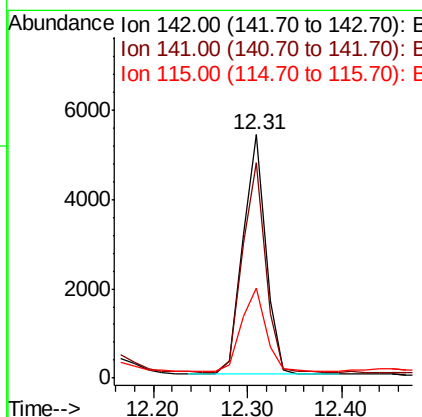
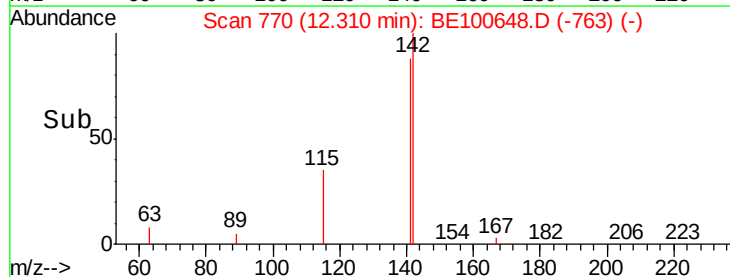
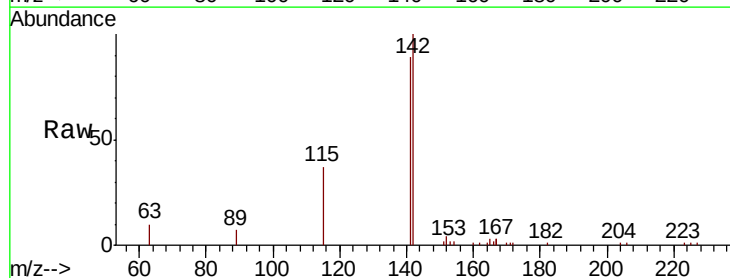
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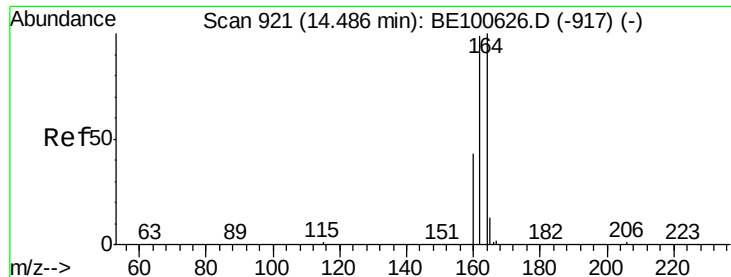
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#12
2-Methylnaphthalene
Concen: 0.227 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion:142 Resp: 9125
Ion Ratio Lower Upper
142 100
141 88.6 68.3 102.5
115 37.1 27.5 41.3





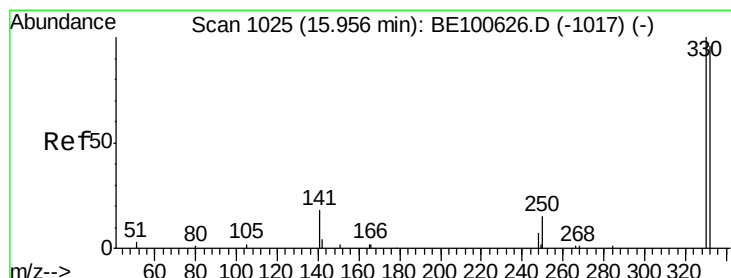
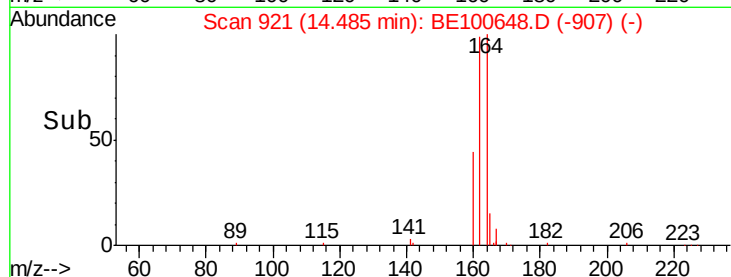
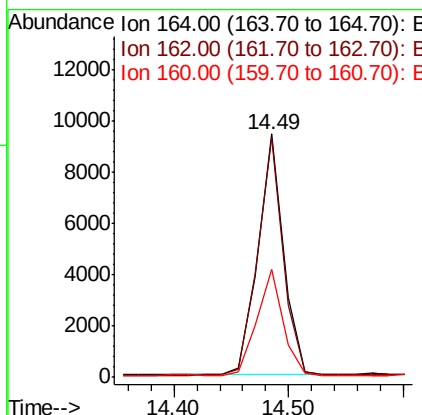
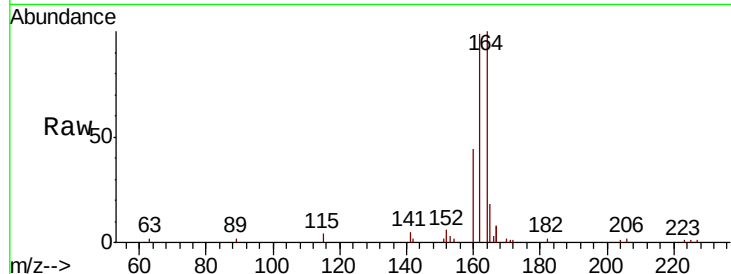
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.1	118.7
160	44.3	34.7	52.1

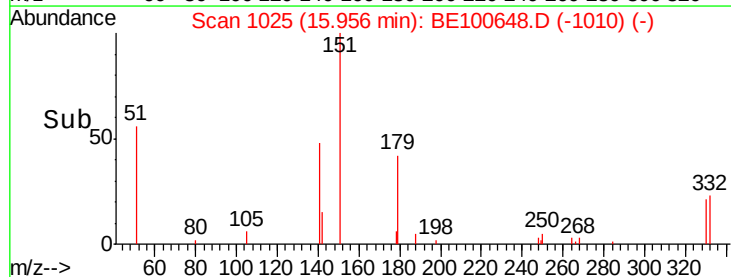
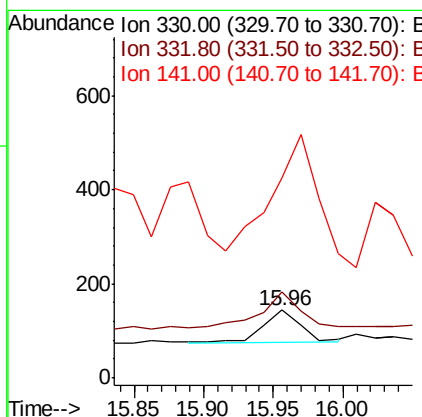
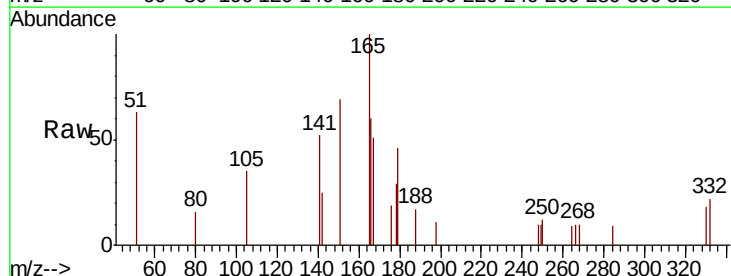
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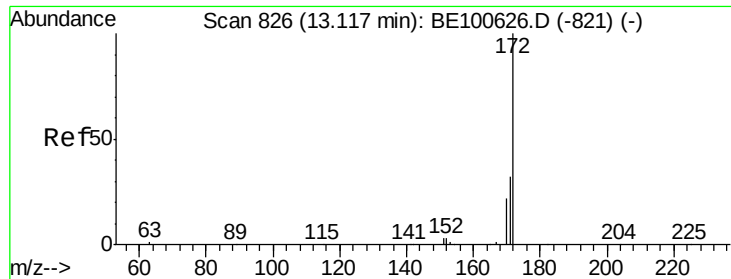
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#14
2,4,6-Tribromophenol
Concen: 0.034 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	153.5	75.2	112.8#
141	529.5	37.5	56.3#





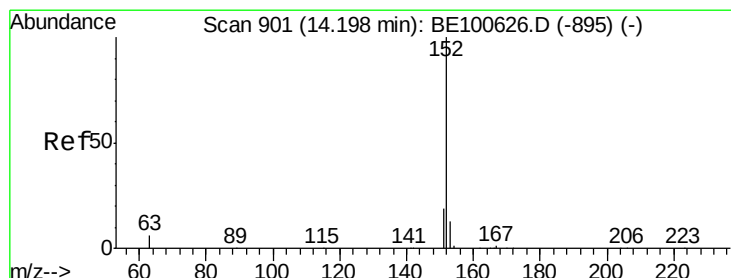
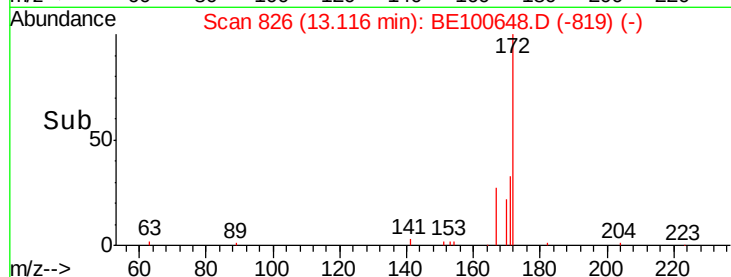
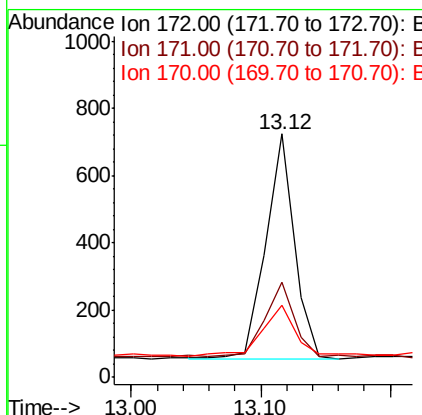
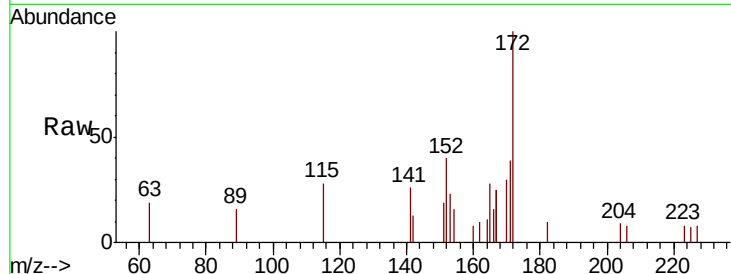
#15
2-Fluorobiphenyl
Concen: 0.020 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	26.2	39.4
170	29.5	17.5	26.3

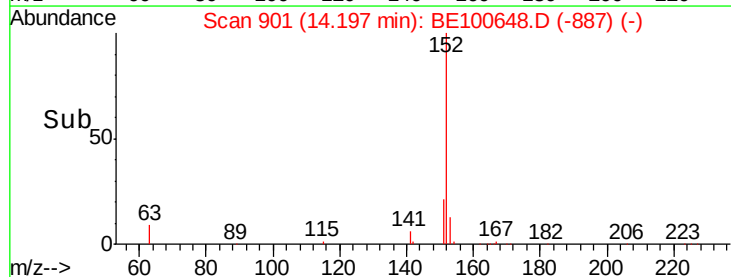
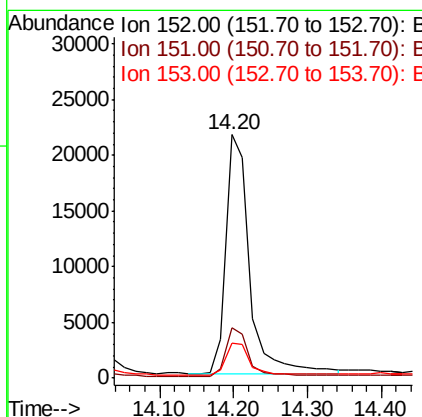
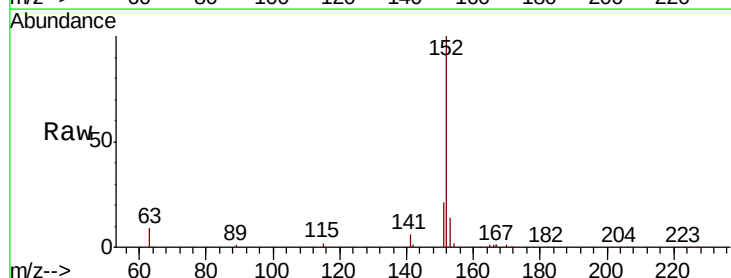
Manual Integrations
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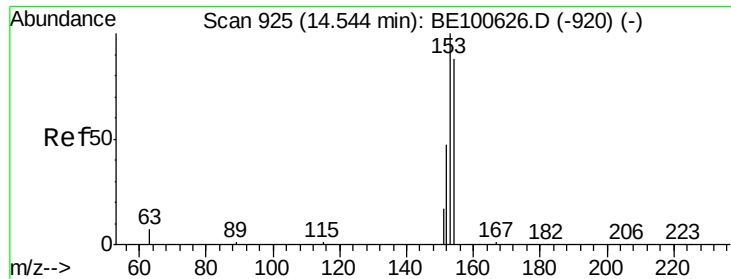
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#16
Acenaphthylene
Concen: 0.768 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.6	23.4
153	14.6	10.5	15.7





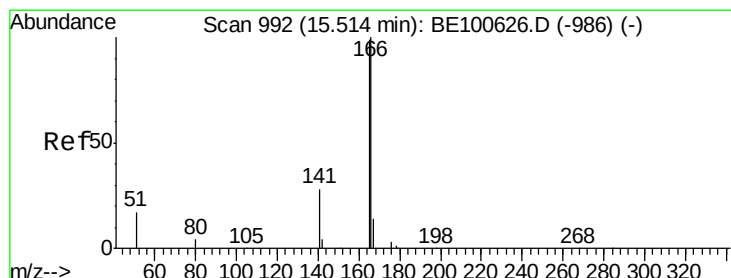
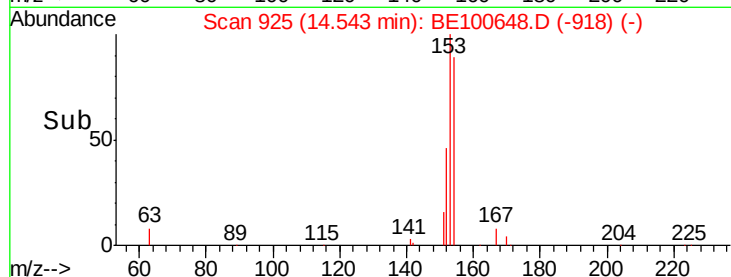
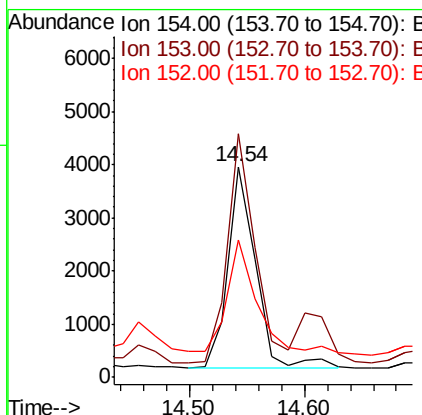
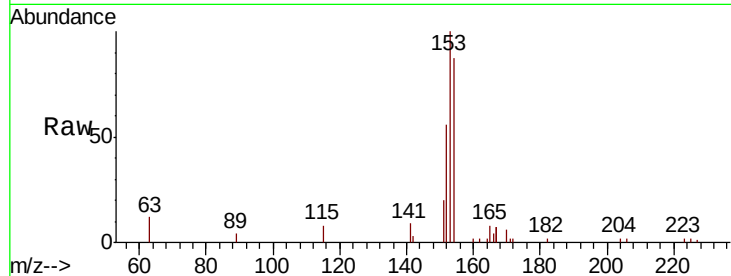
#17
Acenaphthene
Concen: 0.160 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.4	137.2
152	57.5	44.0	66.0

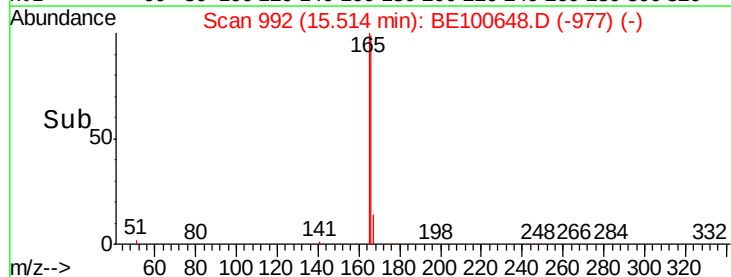
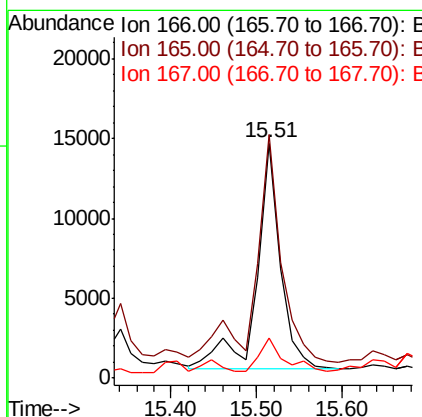
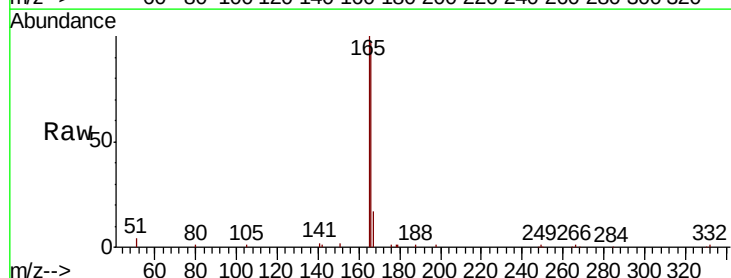
Manual Integrations
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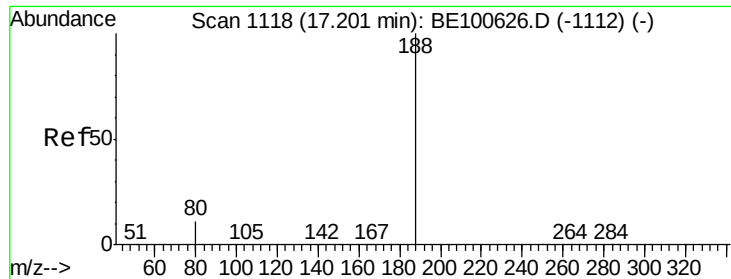
mohammad
10/17/2019 7:56:52 AM



#18
Fluorene
Concen: 0.510 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	112.7	78.9	118.3
167	15.9	10.9	16.3





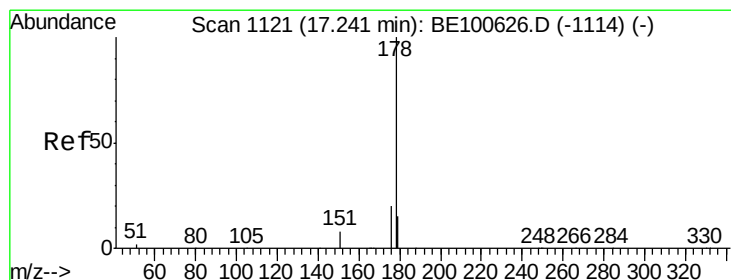
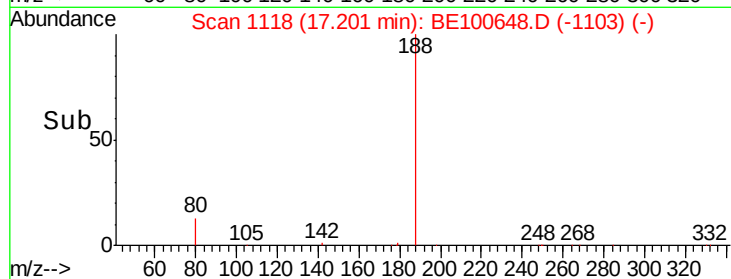
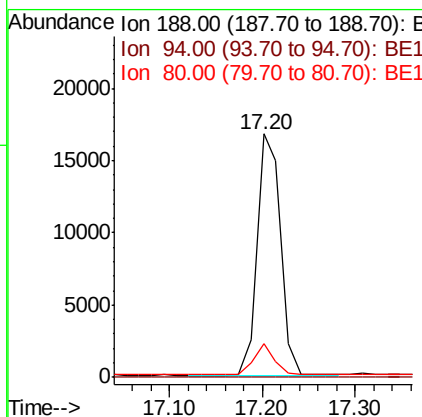
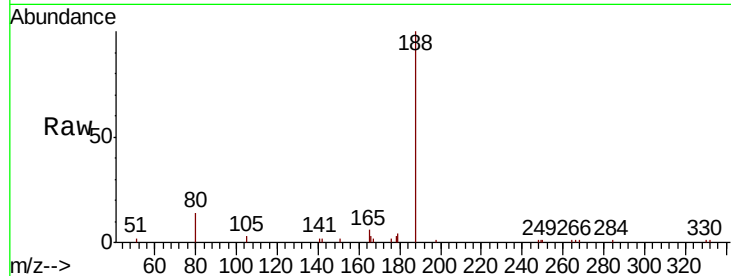
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	29288		
94	0.0	0.0	0.0	0.0
80	14.0	9.4	14.2	

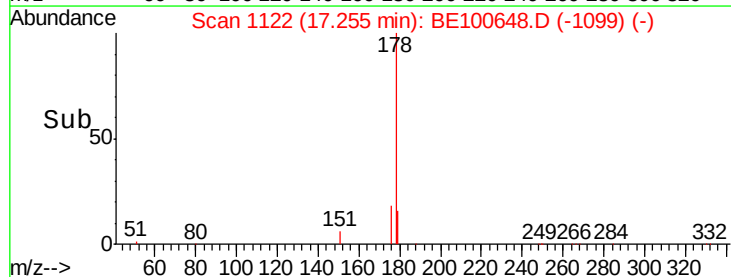
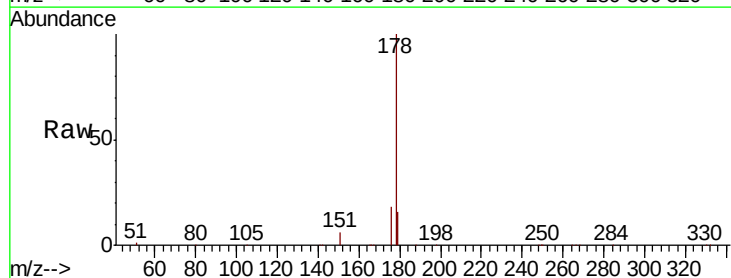
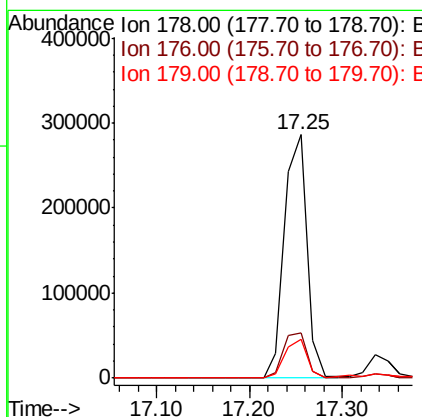
Manual Integrations
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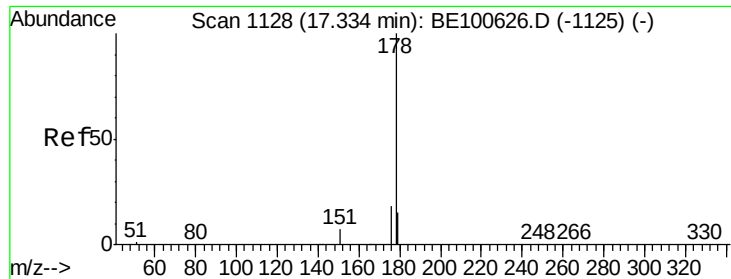
mohammad
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#23
Phenanthrene
Concen: 6.023 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	485187		
176	19.3	15.6	23.4	
179	15.8	12.4	18.6	





#24

Anthracene

Concen: 0.621 ng

RT: 17.34 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Instrument :

BNA_E

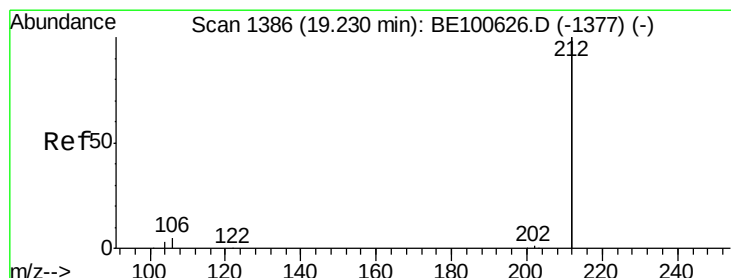
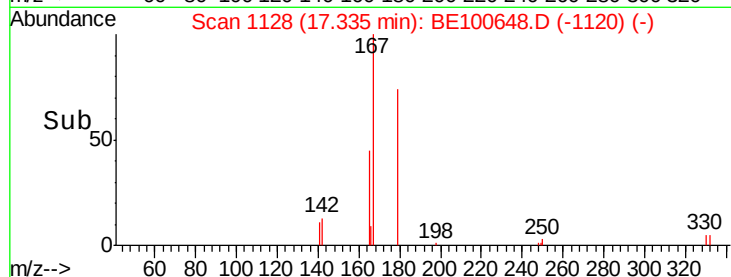
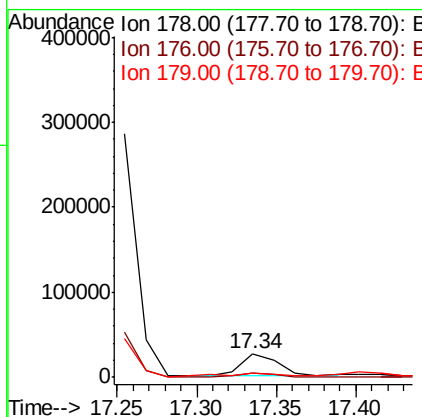
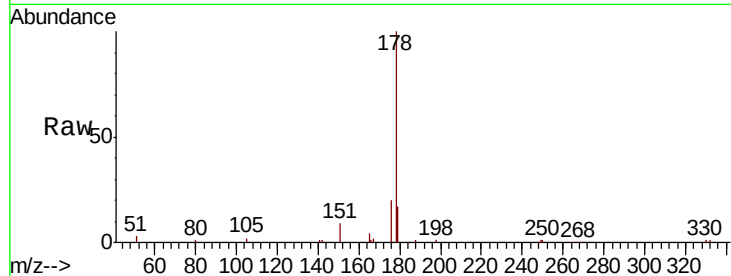
ClientSampleId :

EXT-SW091-091819-3DL

Tot Ion:	178	Resp:	46390
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.5	21.7
179	15.7	12.4	18.6

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.018 ng

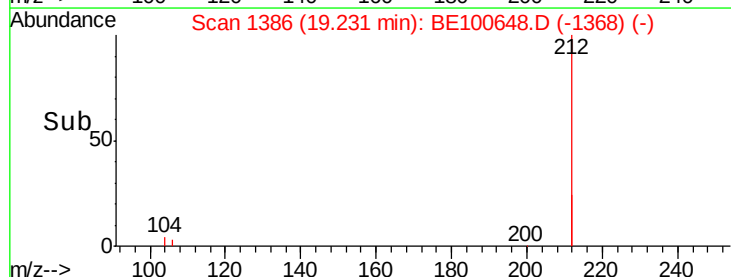
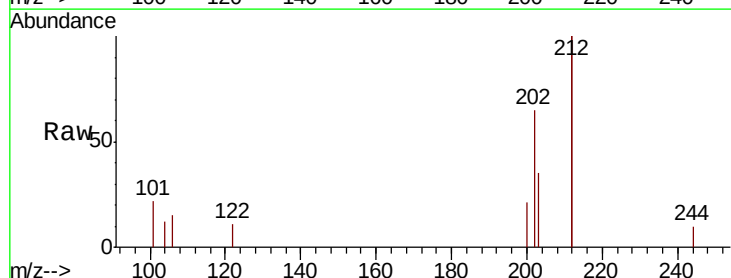
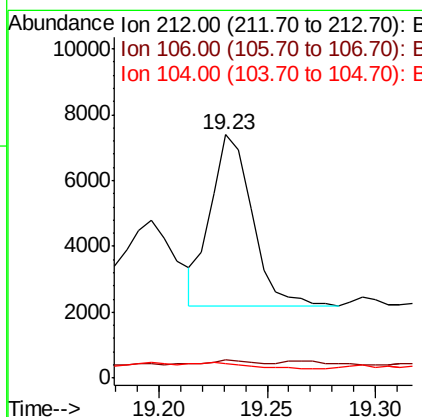
RT: 19.23 min Scan# 1386

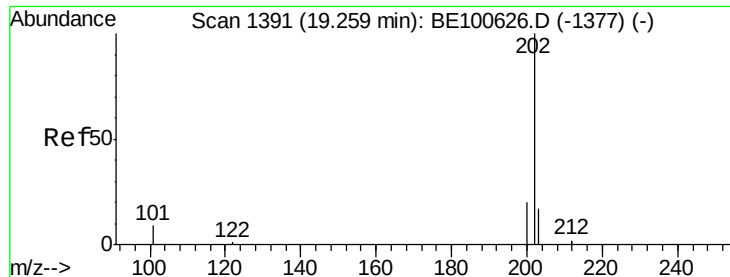
Delta R.T. 0.00 min

Lab File: BE100648.D

Acq: 15 Oct 2019 14:11

Tgt Ion:	212	Resp:	6986
Ion Ratio	Lower	Upper	
212	100		
106	2.8	2.2	3.4
104	4.4	1.3	1.9#





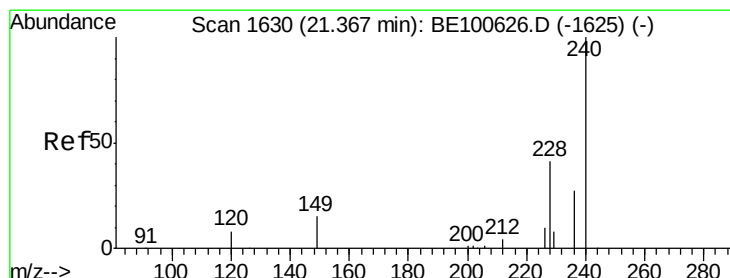
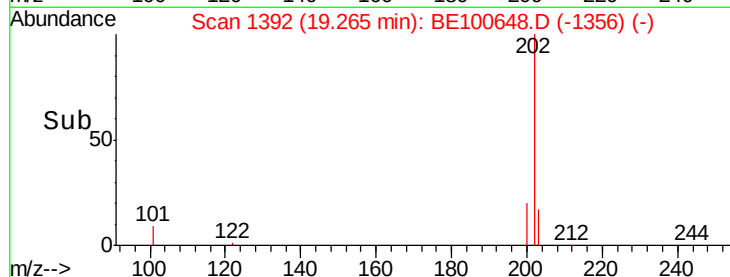
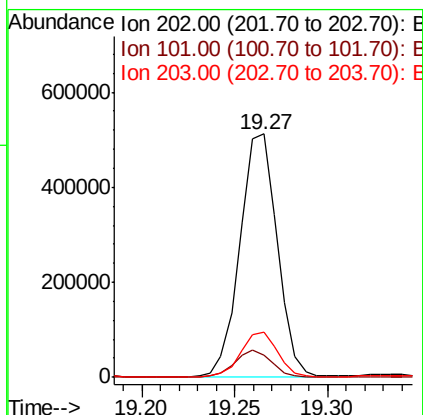
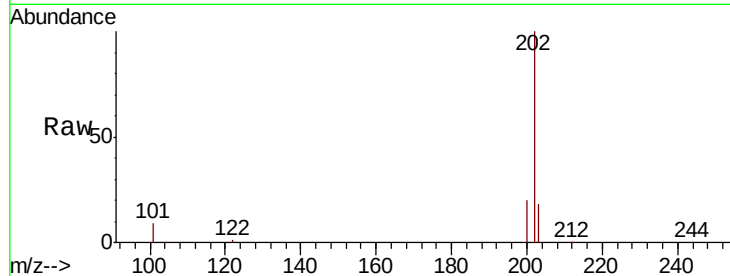
#26
Fluoranthene
Concen: 6.800 ng
RT: 19.27 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	714955		
101	10.7		8.4	12.6
203	17.9		13.8	20.6

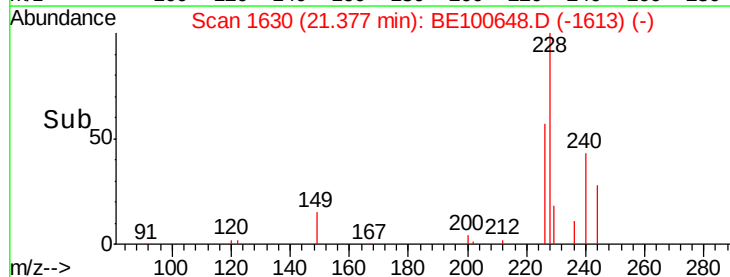
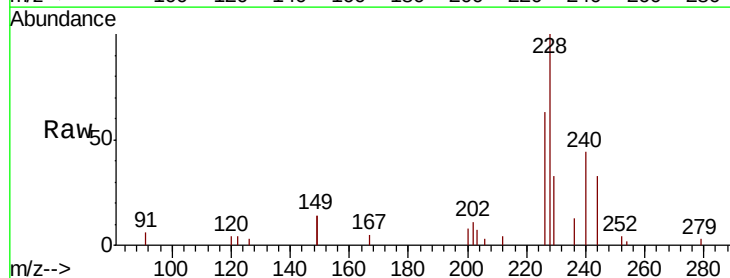
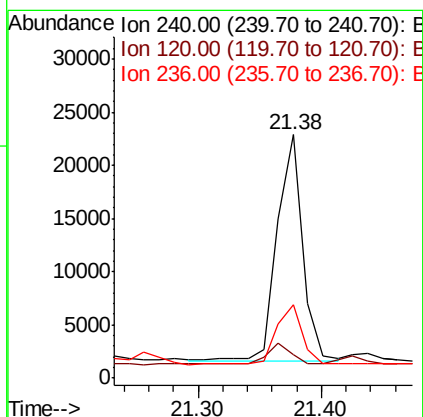
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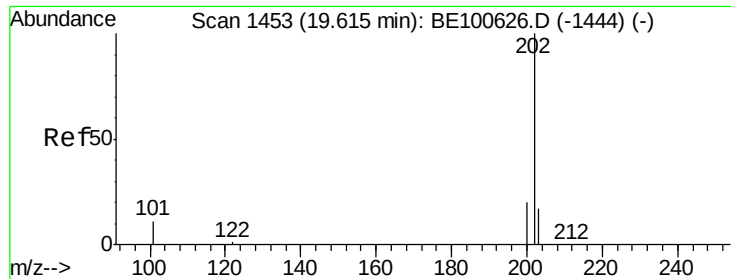
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31209		
120	9.5		7.4	11.0
236	30.2		21.7	32.5





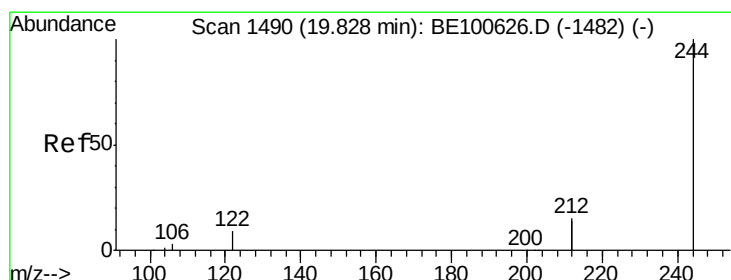
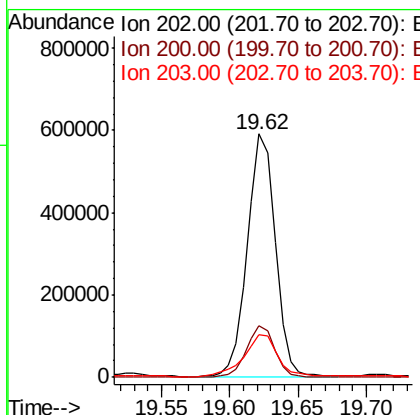
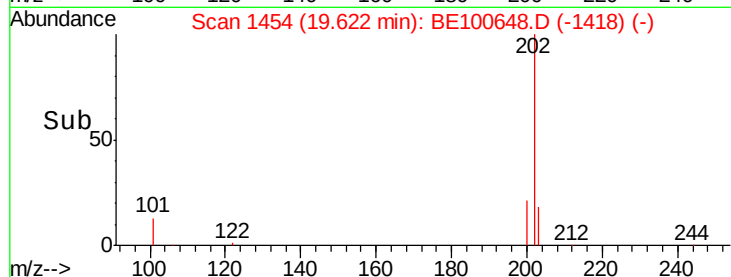
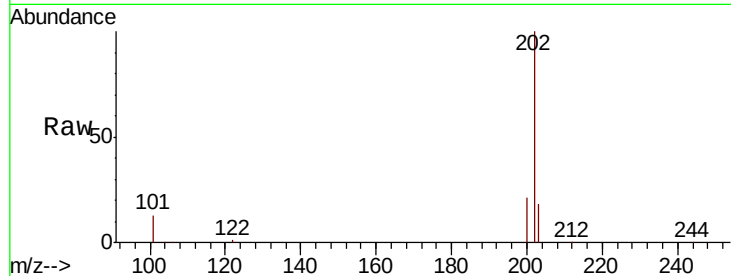
#28
Pvrene
Concen: 9.528 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

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

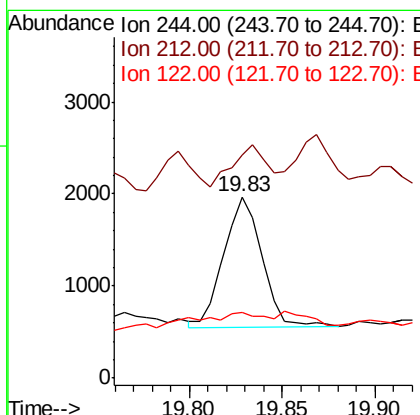
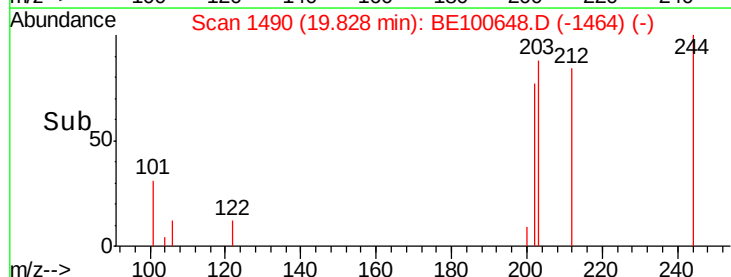
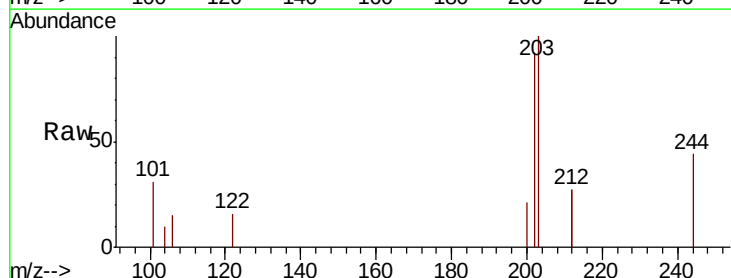
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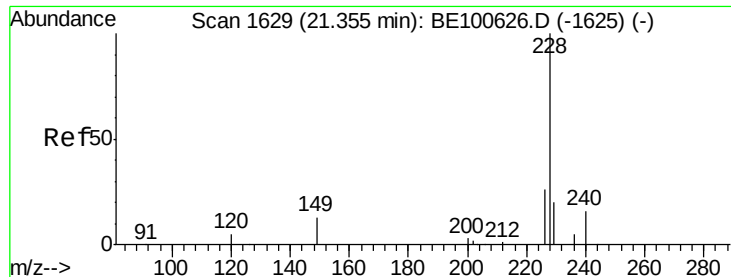
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#29
Terphenyl-d14
Concen: 0.030 ng
RT: 19.83 min Scan# 1490
Delta R.T. 0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	123.1	23.9	35.9#
122	36.1	7.7	11.5#





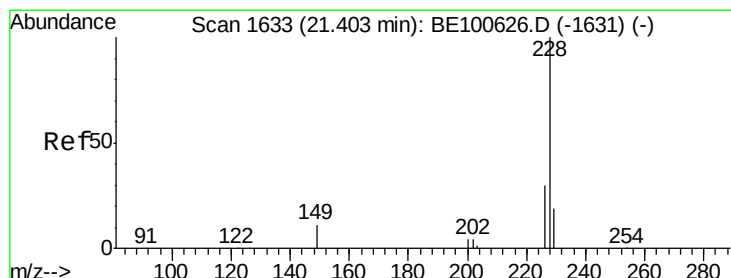
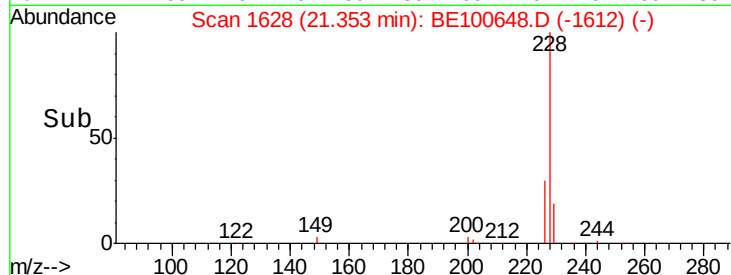
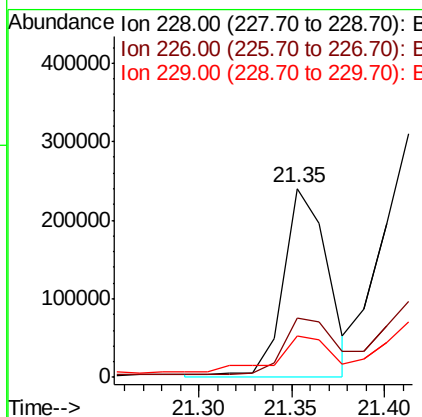
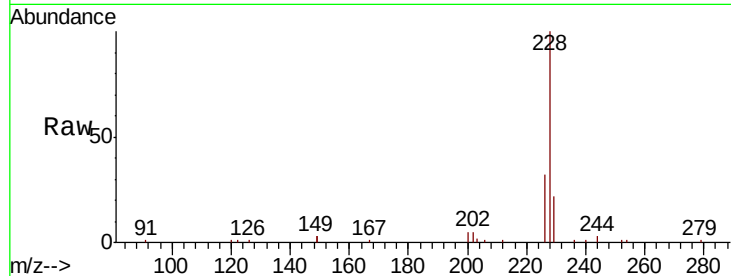
#30
Benzo(a)anthracene
Concen: 3.938 ng m
RT: 21.35 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion:228 Resp: 400871
Ion Ratio Lower Upper
228 100
226 31.7 21.0 31.6#
229 22.2 15.8 23.8

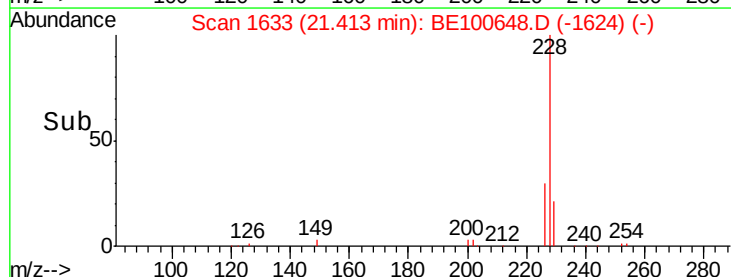
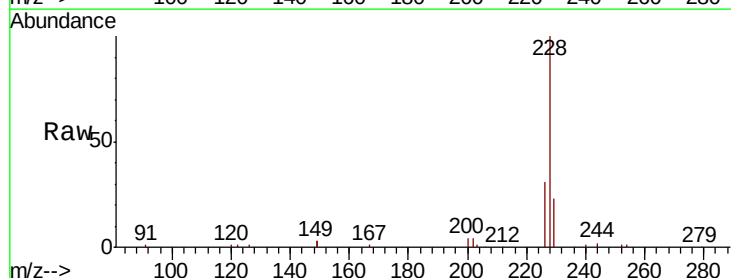
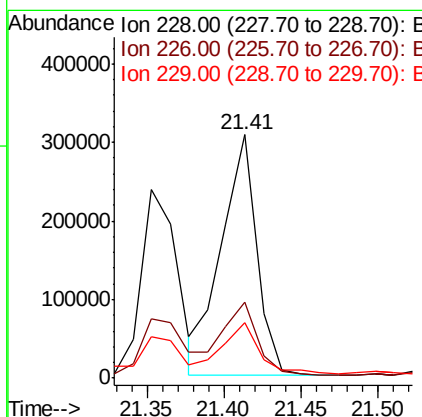
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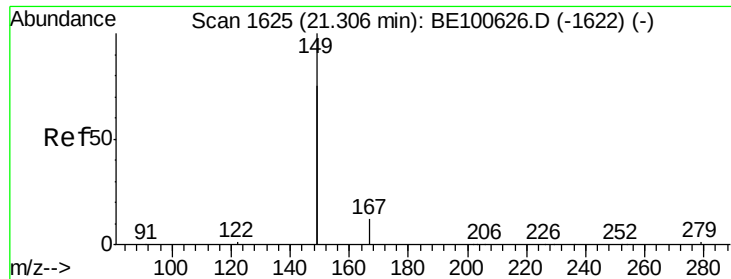
mohammad
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#31
Chrysene
Concen: 4.768 ng
RT: 21.41 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion:228 Resp: 485105
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 22.7 15.6 23.4





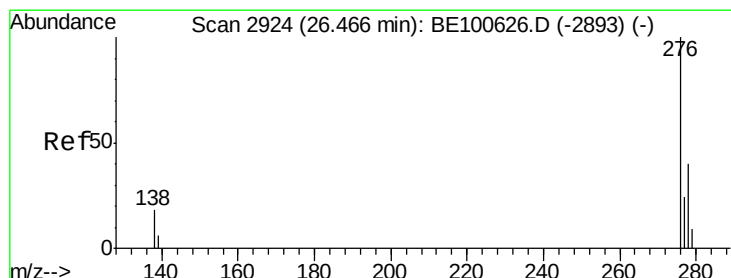
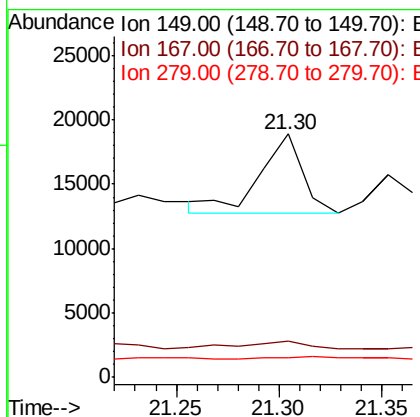
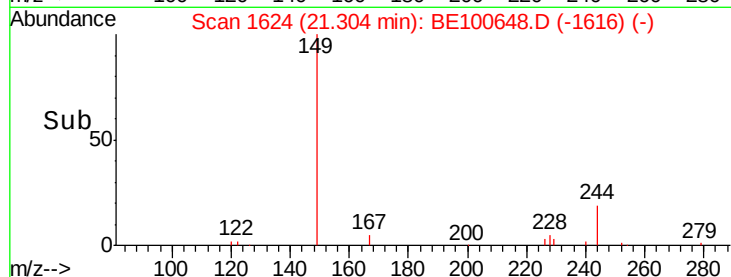
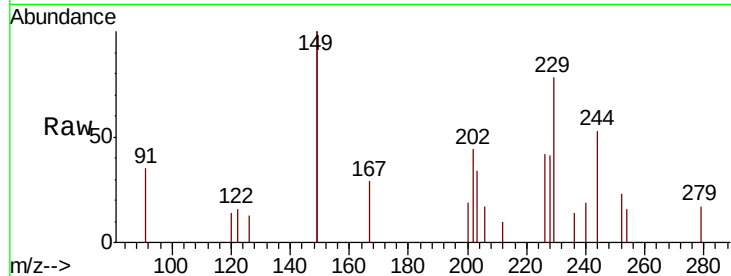
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.042 ng
 RT: 21.30 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE100648.D
 Acq: 15 Oct 2019 14:11

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	14.4	5.4	8.2#
279	5.8	1.5	2.3#

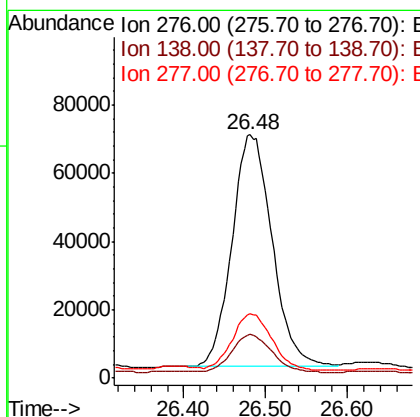
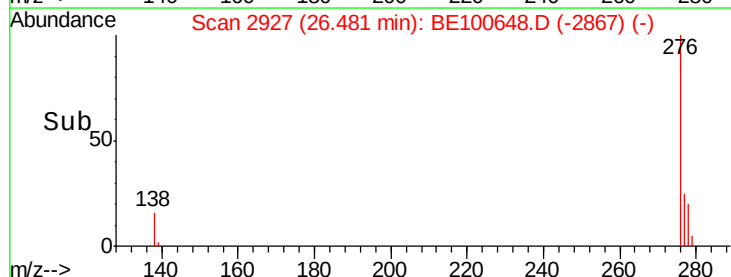
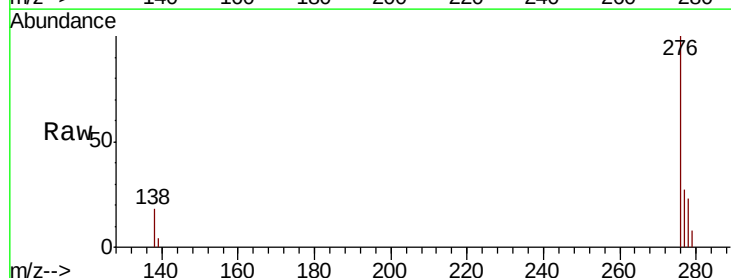
Manual Integrations
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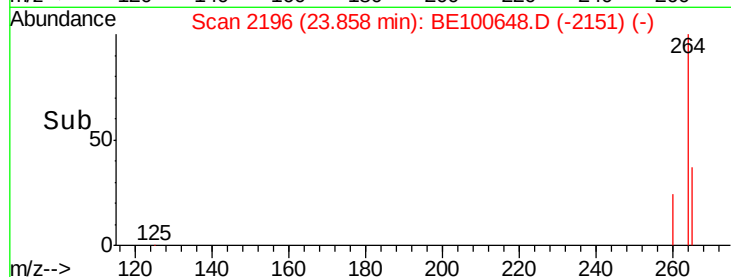
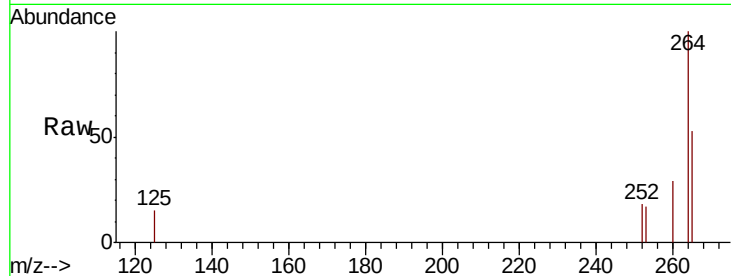
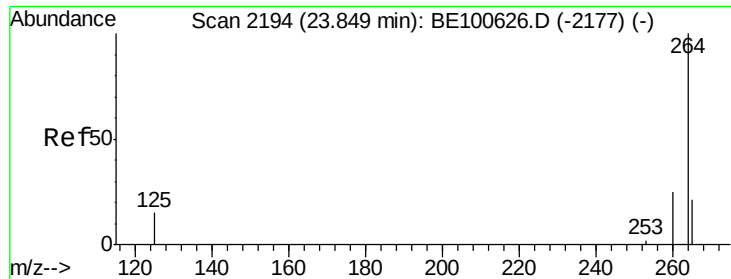
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.852 ng
 RT: 26.48 min Scan# 2927
 Delta R.T. 0.01 min
 Lab File: BE100648.D
 Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	16.0	24.0
277	24.3	19.7	29.5





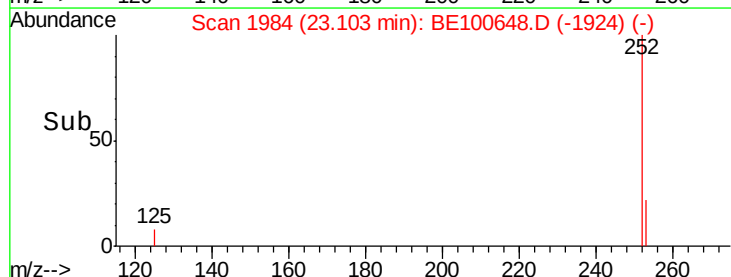
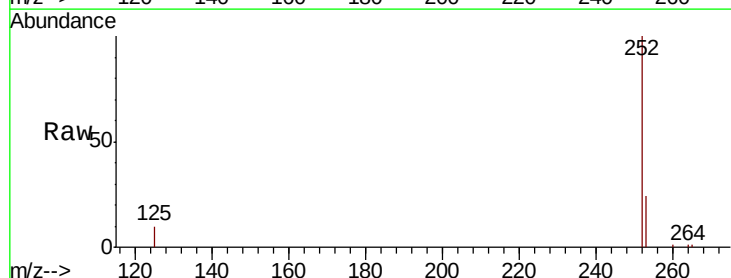
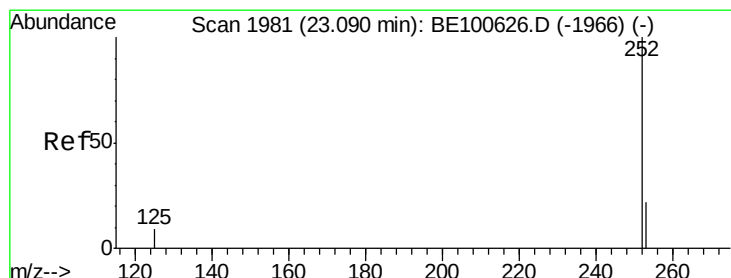
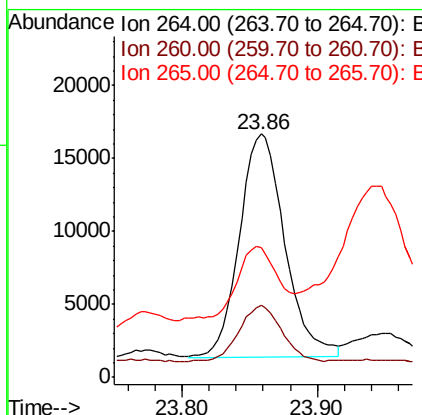
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: BE100648.D
 Acq: 15 Oct 2019 14:11

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.3	19.9	29.9
265	53.1	20.0	30.0

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW091-091819-3DL

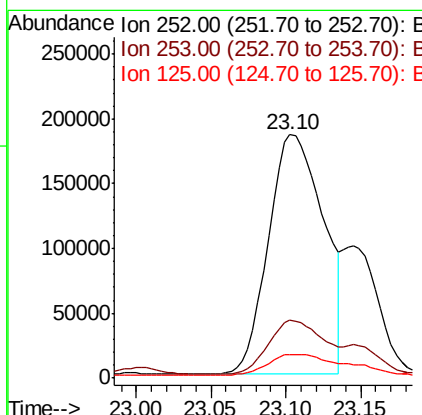
Manual Integrations
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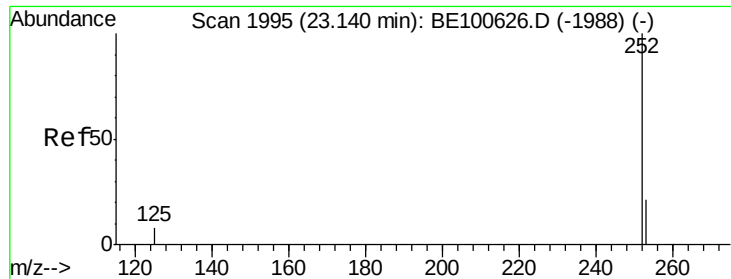
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#35
 Benzo(b)fluoranthene
 Concen: 4.582 ng
 RT: 23.10 min Scan# 1984
 Delta R.T. 0.01 min
 Lab File: BE100648.D
 Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	9.7	7.6	11.4





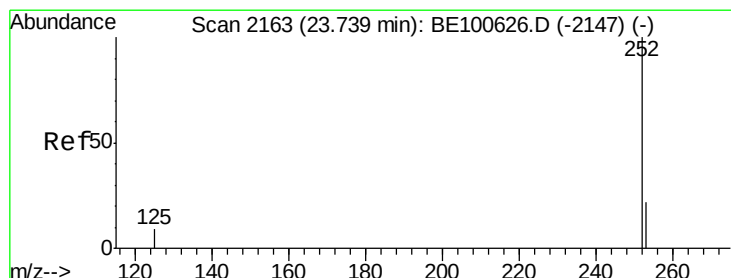
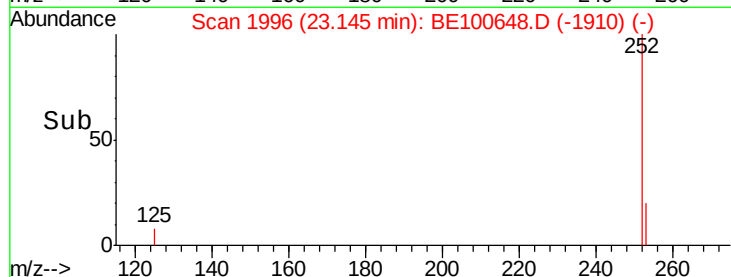
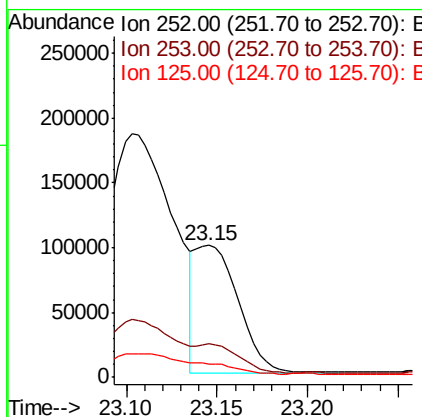
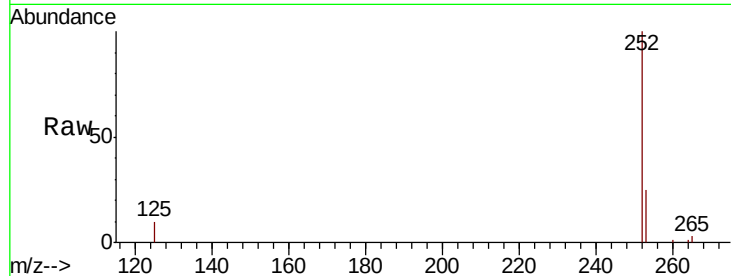
#36
Benzo(k)fluoranthene
Concen: 1.560 ng m
RT: 23.15 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion:252 Resp: 166930
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 10.4 7.6 11.4

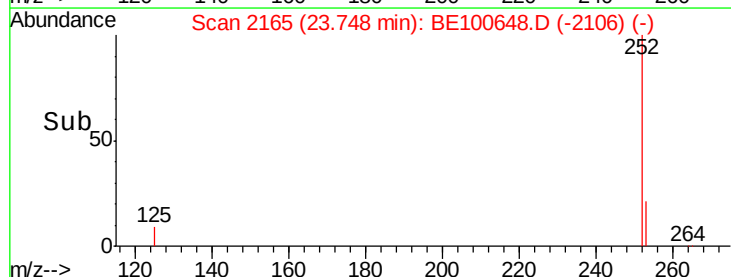
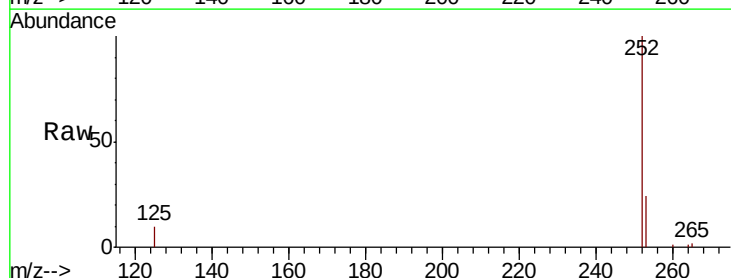
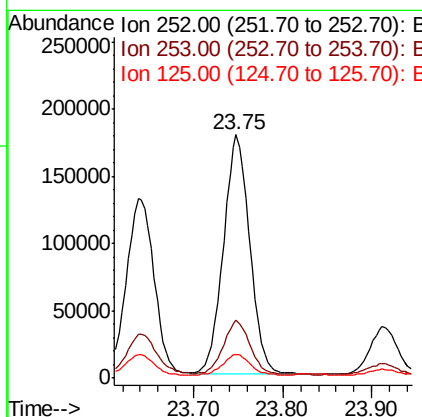
Manual Integrations
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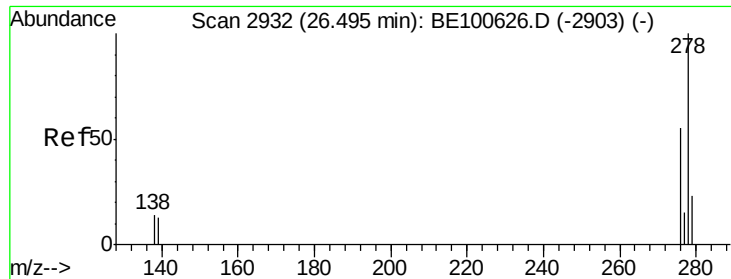
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#37
Benzo(a)pyrene
Concen: 3.824 ng
RT: 23.75 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion:252 Resp: 370284
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 9.8 8.1 12.1





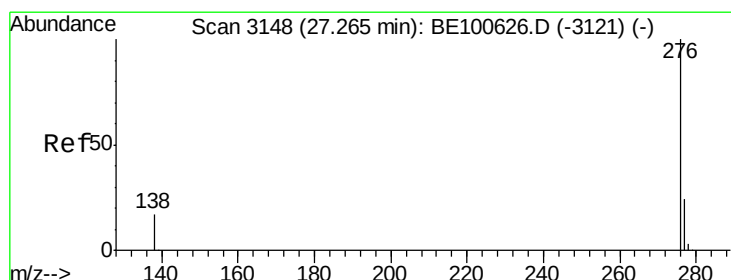
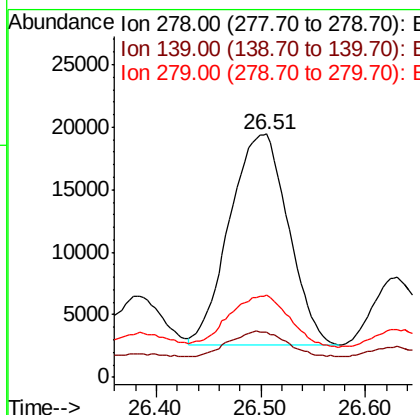
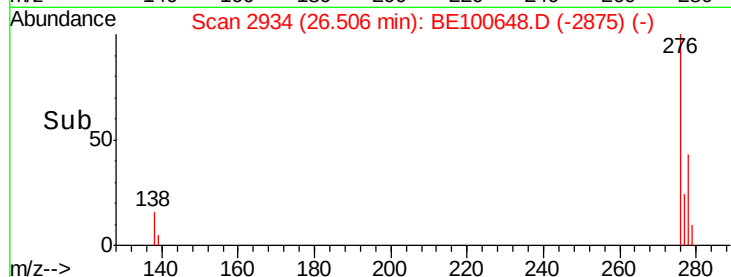
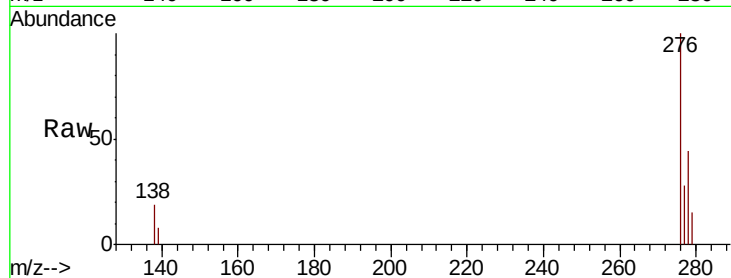
#38
Dibenzo(a,h)anthracene
Concen: 0.656 ng
RT: 26.51 min Scan# 2934
Delta R.T. 0.01 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Instrument :
BNA_E
ClientSampleId :
EXT-SW091-091819-3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.5	11.2	16.8#
279	33.6	19.0	28.6#

Manual Integrations
APPROVED

mohammad
10/17/2019 7:56:52 AM



#39
Benzo(g,h,i)perylene
Concen: 2.450 ng
RT: 27.29 min Scan# 3154
Delta R.T. 0.03 min
Lab File: BE100648.D
Acq: 15 Oct 2019 14:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.3	28.9
138	18.0	14.5	21.7

