

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\
 Data File : BE100657.D
 Acq On : 18 Oct 2019 12:23
 Operator : JU
 Sample : K4995-10 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW085-091819-4

Manual Integrations
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Quant Time: Oct 18 15:18:56 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	8402	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	35775	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	22968	0.40	ng	-0.01
19) Phenanthrene-d10	17.20	188	43171	0.40	ng	0.00
27) Chrysene-d12	21.37	240	46627	0.40	ng	0.00
34) Perylene-d12	23.85	264	53450	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	1024	0.04	ng	0.03
5) Phenol-d6	7.02	99	1544	0.04	ng	0.01
8) Nitrobenzene-d5	8.99	82	1151	0.05	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2136	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	396	0.07	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	2945	0.04	ng	-0.01
25) Fluoranthene-d10	19.23	212	19479	0.03	ng	0.00
29) Terphenyl-d14	19.82	244	6564	0.06	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.68	128	213783	0.568	ng	99
12) 2-Methylnaphthalene	12.30	142	68629	1.070	ng	95
16) Acenaphthylene	14.20	152	162536	1.645	ng	# 97
17) Acenaphthene	14.54	154	46410	0.727	ng	# 86
18) Fluorene	15.50	166	114968	1.355	ng	# 85
23) Phenanthrene	17.24	178	2439746	20.546	ng	99
24) Anthracene	17.33	178	309256	2.807	ng	98
26) Fluoranthene	19.26	202	1998210	12.893	ng	97
28) Pyrene	19.62	202	3195745	24.532	ng	# 92
30) Benzo(a)anthracene	21.35	228	1436073	9.442	ng	91
31) Chrysene	21.40	228	1448026	9.526	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	20764	0.065	ng	# 84
33) Indeno(1,2,3-cd)pyrene	26.47	276	569301	3.047	ng	96
35) Benzo(b)fluoranthene	23.10	252	1146590m	7.357	ng	
36) Benzo(k)fluoranthene	23.14	252	386618m	2.412	ng	
37) Benzo(a)pyrene	23.74	252	993881	6.851	ng	99
38) Dibenzo(a,h)anthracene	26.49	278	187252	1.249	ng	# 91
39) Benzo(a,h,i)perylene	27.28	276	697348	4.624	ng	98

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

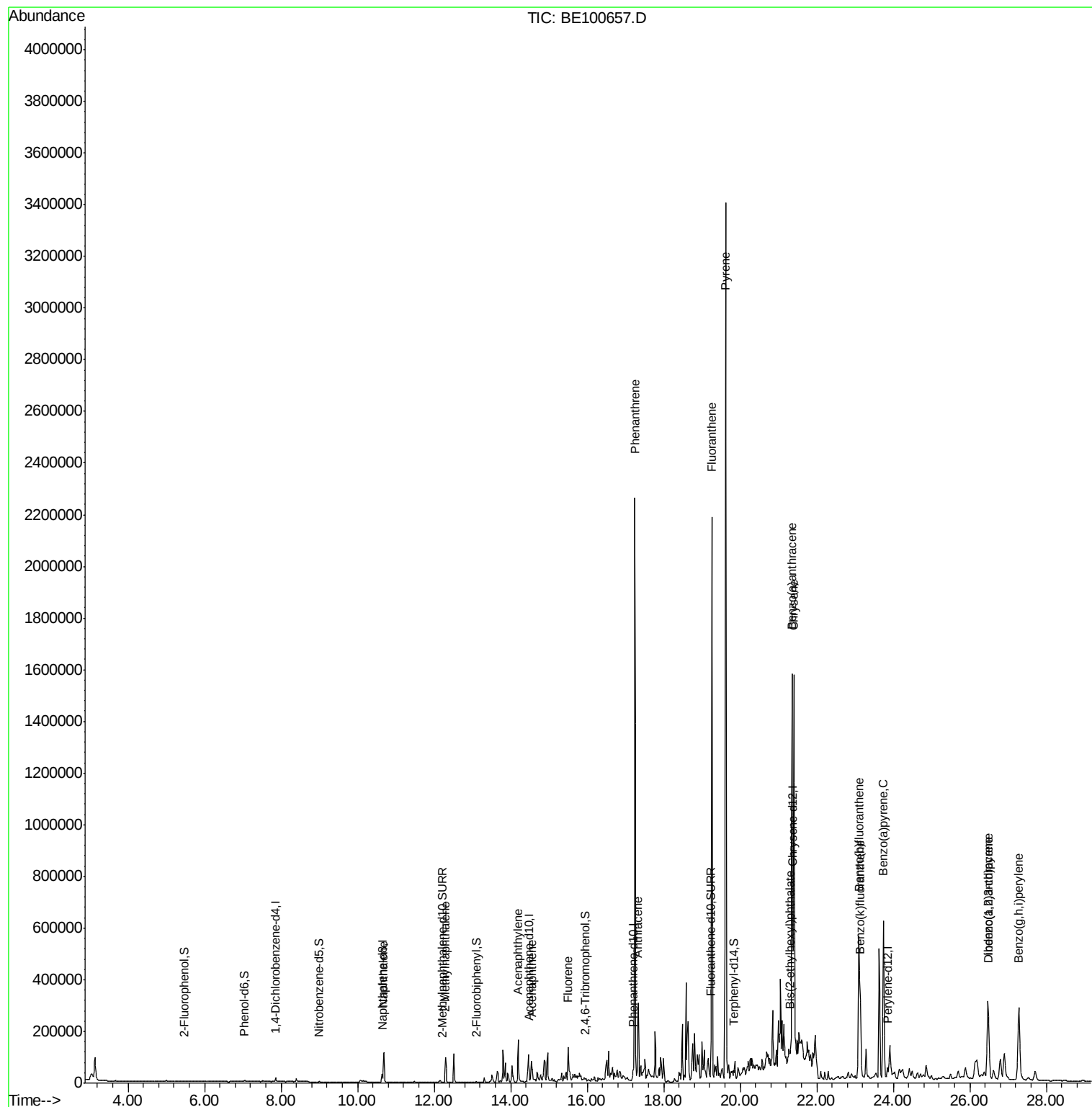
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101819\
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Operator : JU
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#1

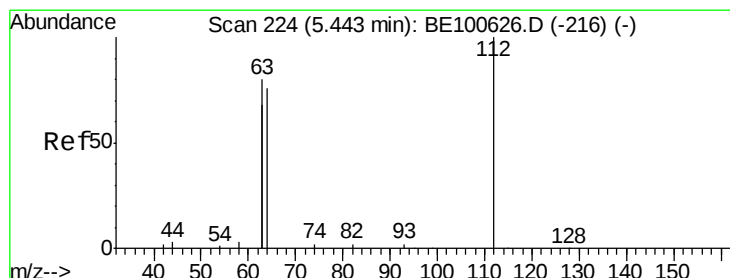
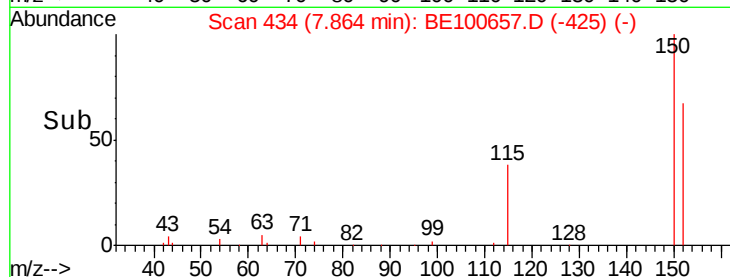
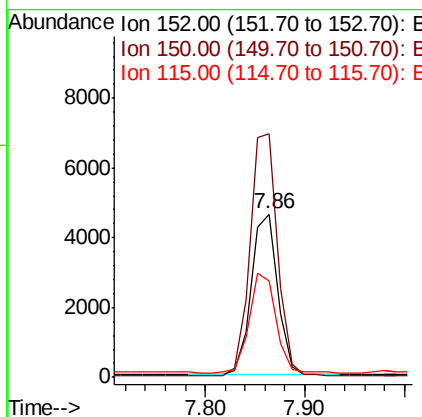
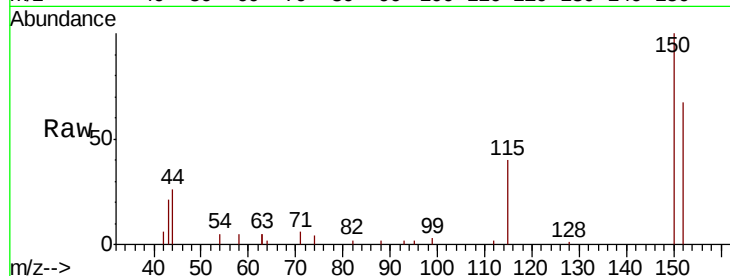
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.9	120.7	181.1
115	59.1	48.0	72.0

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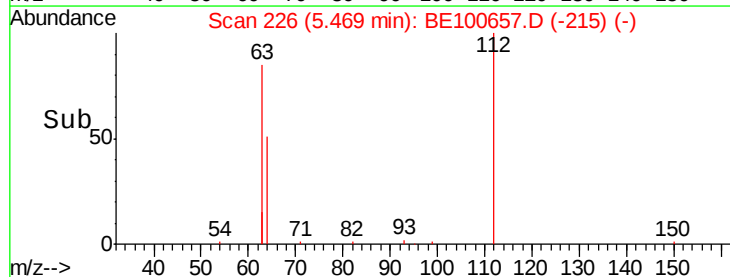
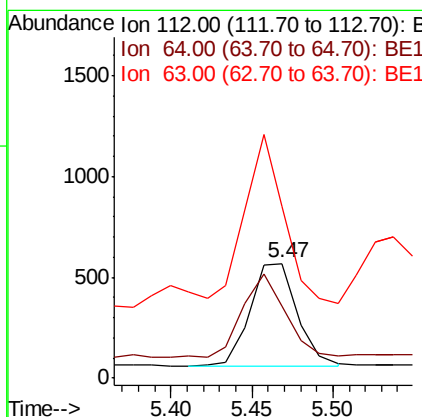
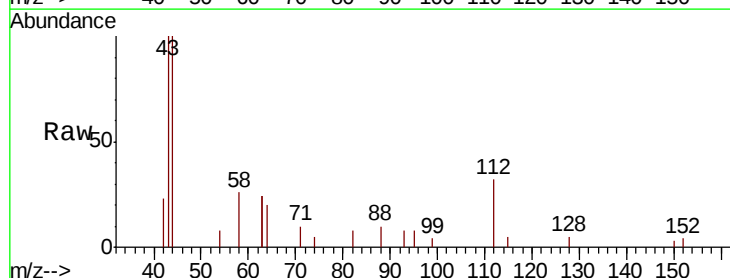
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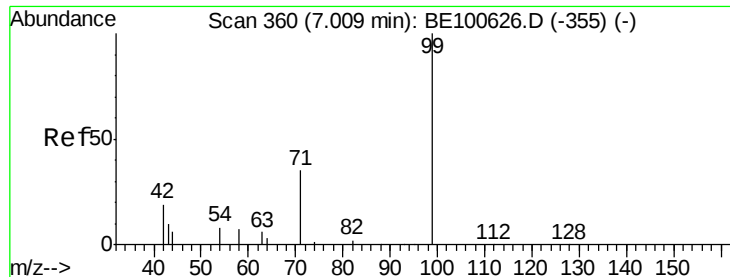


#4

2-Fluorophenol
Concen: 0.039 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.03 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	58.9	88.3
63	137.7	118.3	177.5





#5

Phenol-d6

Concen: 0.042 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.01 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Instrument :

BNA_E

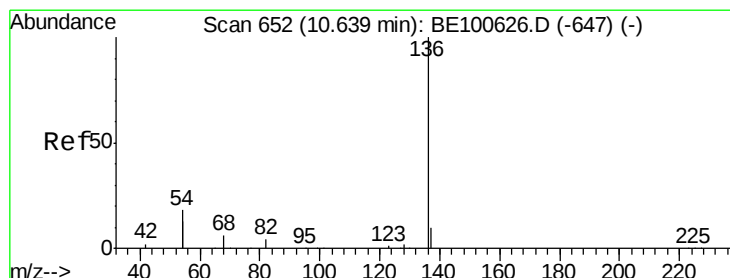
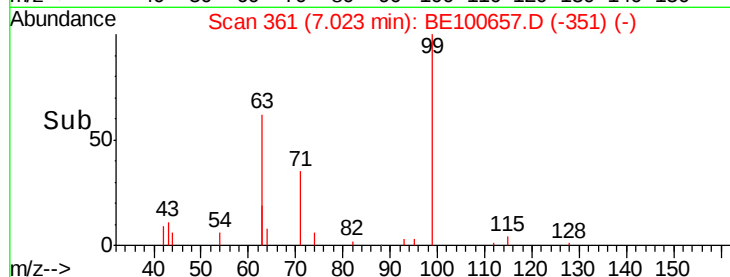
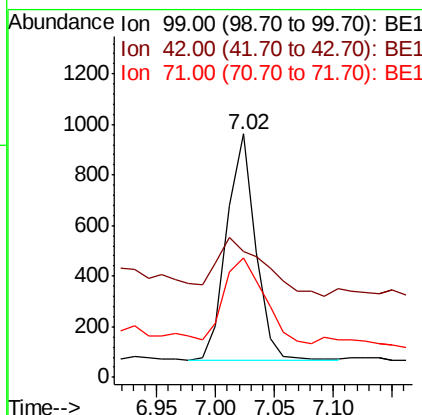
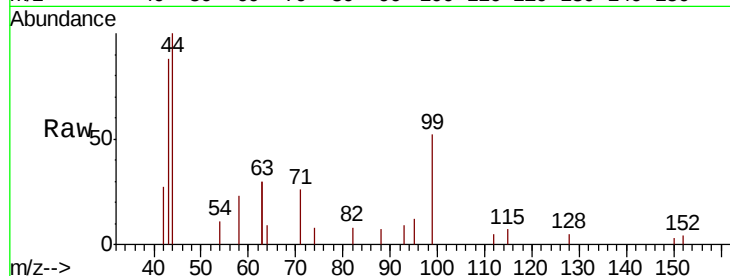
ClientSampleId :

EXT-SW085-091819-4

Tot Ion:	99	Resp:	1544
Ion	Ratio	Lower	Upper
99	100		
42	39.8	19.4	29.2#
71	51.7	26.9	40.3#

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#7

Naphthalene-d8

Concen: 0.400 ng

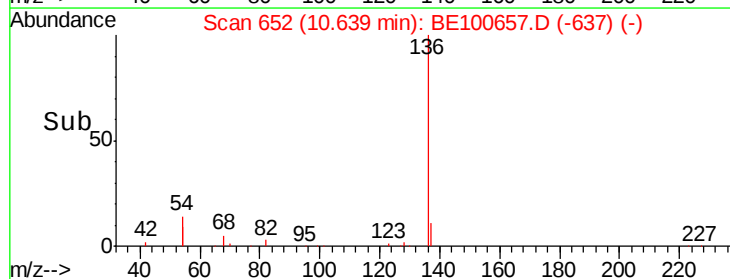
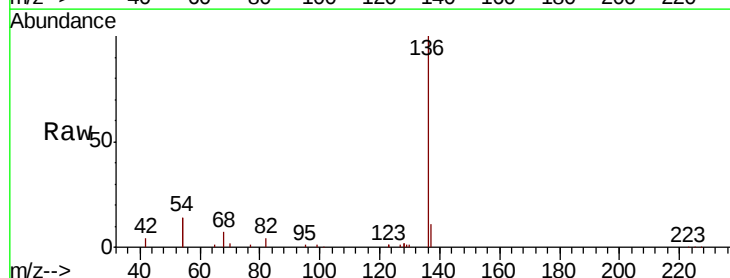
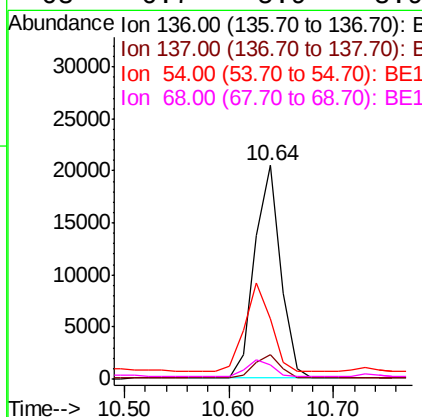
RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Tgt Ion:	136	Resp:	35775
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	28.0	28.7	43.1#
68	6.7	5.9	8.9





#8

Nitrobenzene-d5

Concen: 0.052 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Instrument :

BNA_E

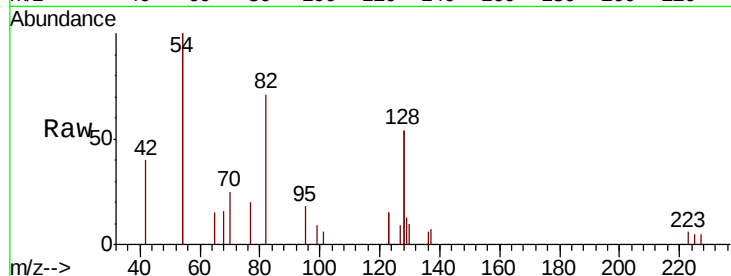
ClientSampleId :

EXT-SW085-091819-4

Tot Ion:	82	Resp:	1151
Ion Ratio	Lower	Upper	
82	100		
128	152.3	90.7	136.1#
54	280.3	210.9	316.3

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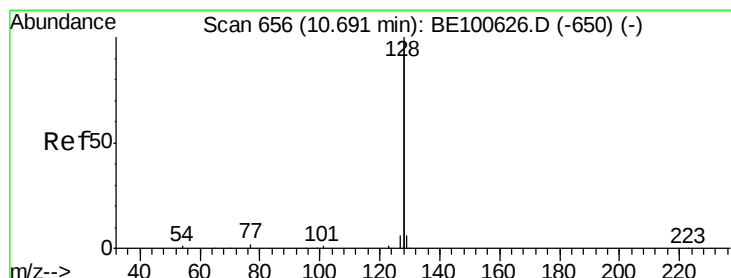
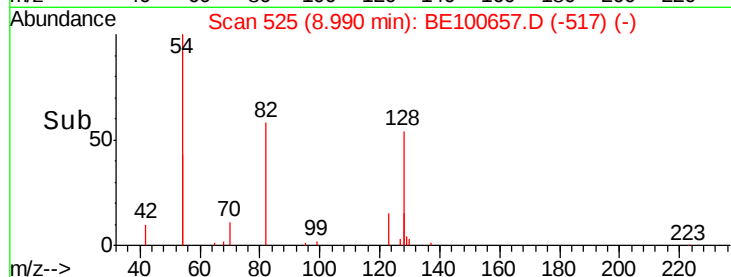
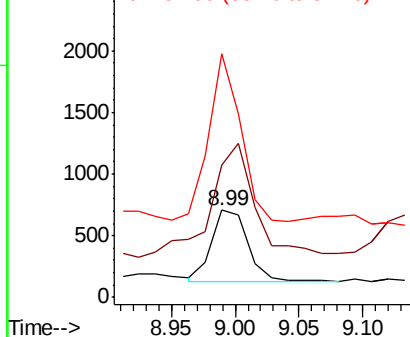


Abundance

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: 0.568 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

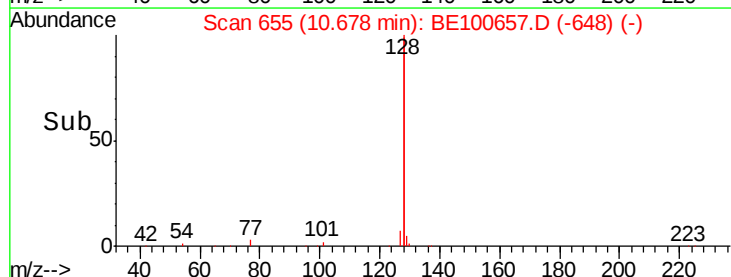
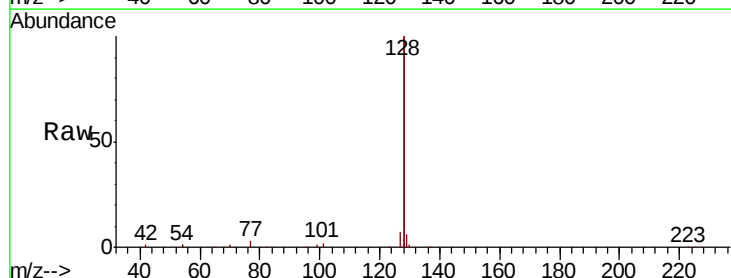
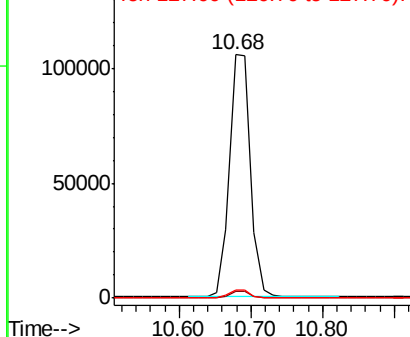
Tgt Ion:	128	Resp:	213783
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.4	3.6
127	3.4	2.6	3.8

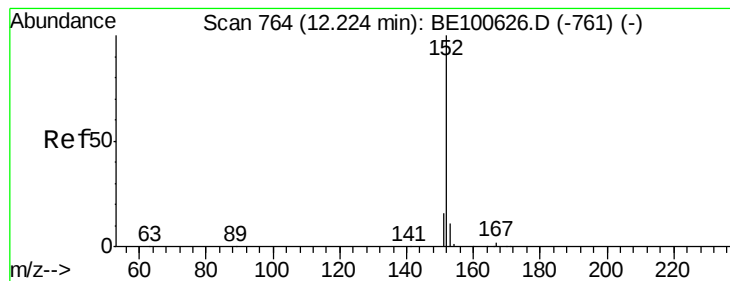
Abundance

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





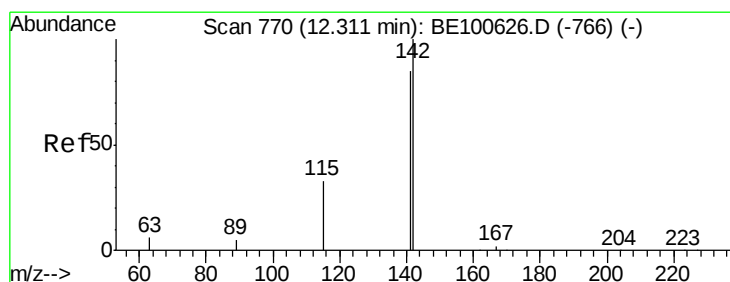
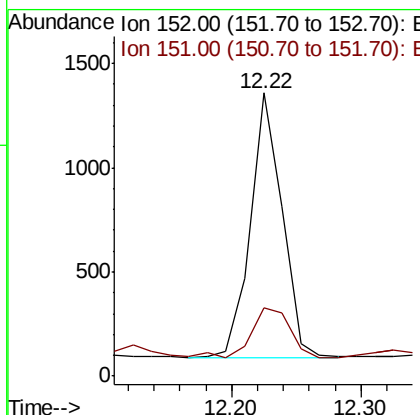
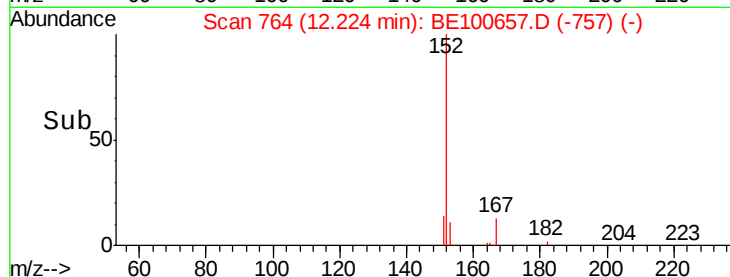
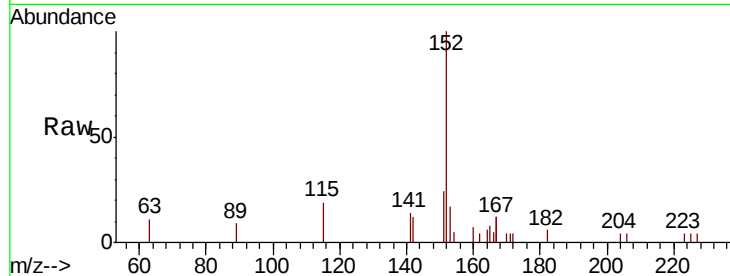
#11
2-Methylnaphthalene-d10
Concen: 0.038 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.9	15.2	22.8#

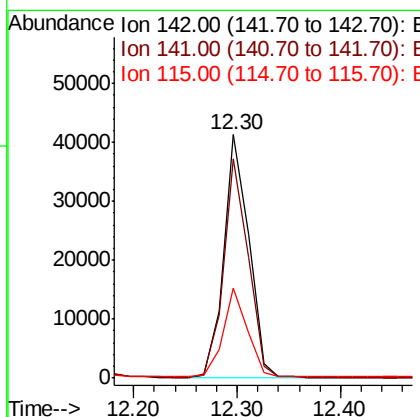
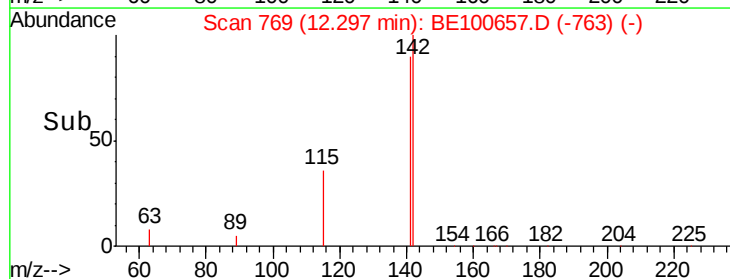
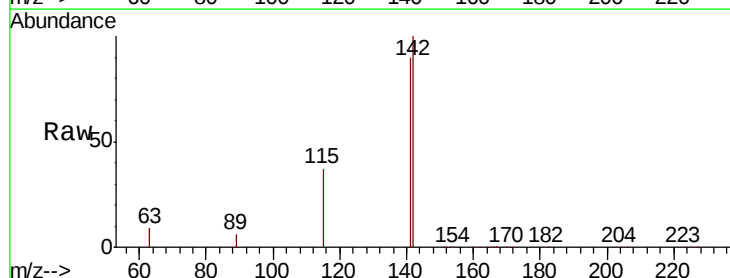
Manual Integrations
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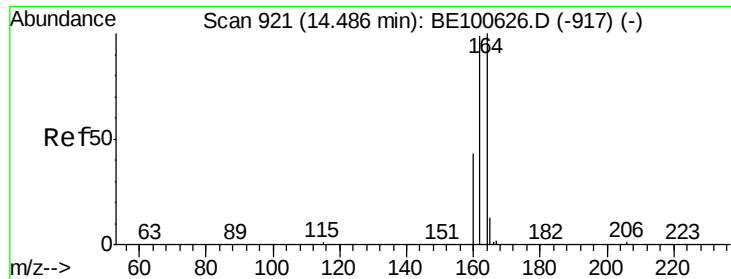
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#12
2-Methylnaphthalene
Concen: 1.070 ng
RT: 12.30 min Scan# 769
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.3	68.3	102.5
115	36.8	27.5	41.3





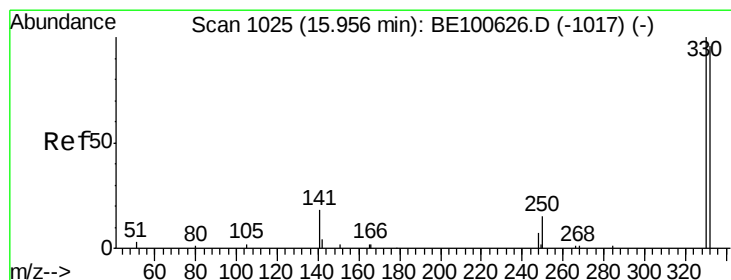
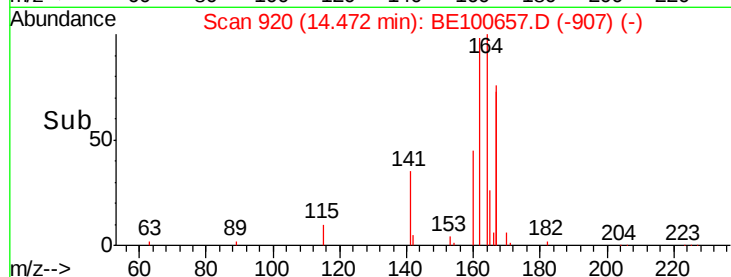
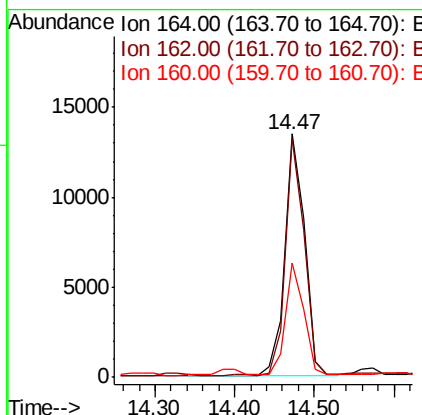
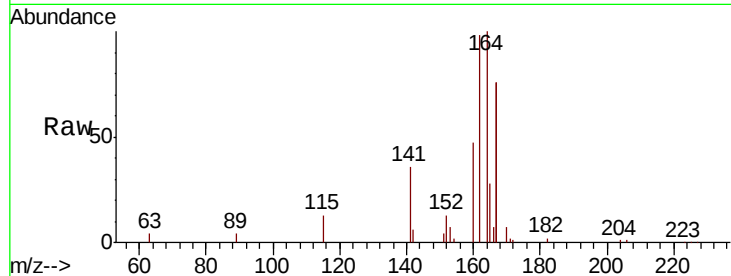
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.8	79.1	118.7
160	46.9	34.7	52.1

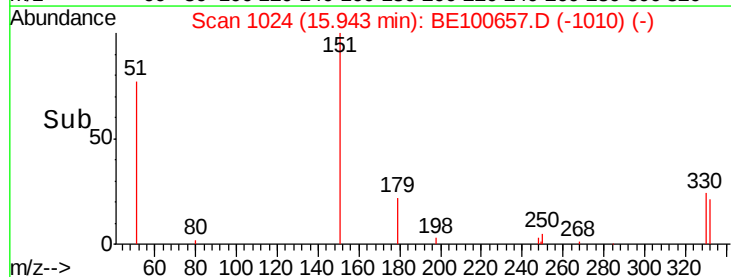
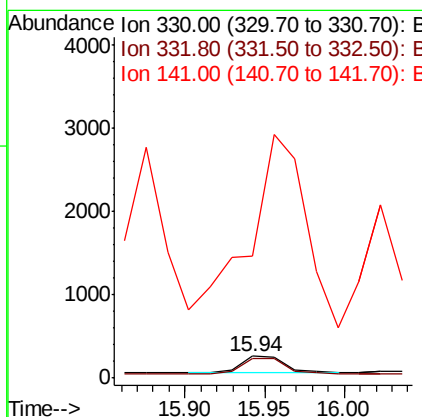
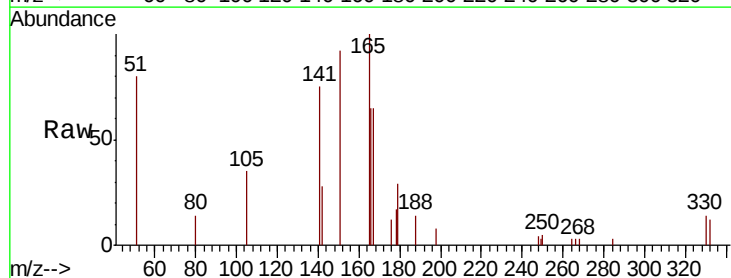
Manual Integrations
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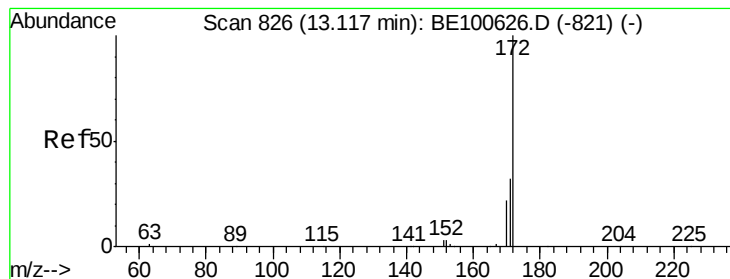
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#14
2,4,6-Tribromophenol
Concen: 0.065 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.4	75.2	112.8
141	1464.4	37.5	56.3#





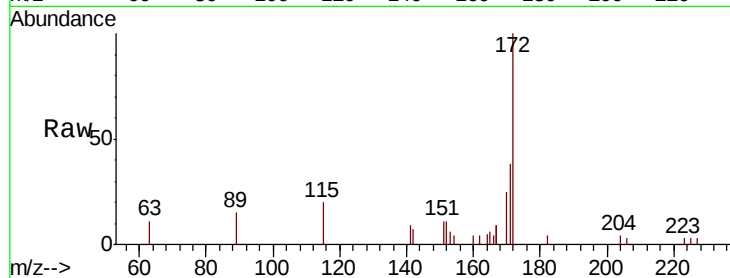
#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

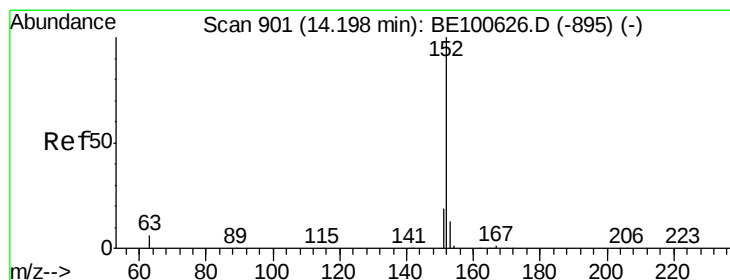
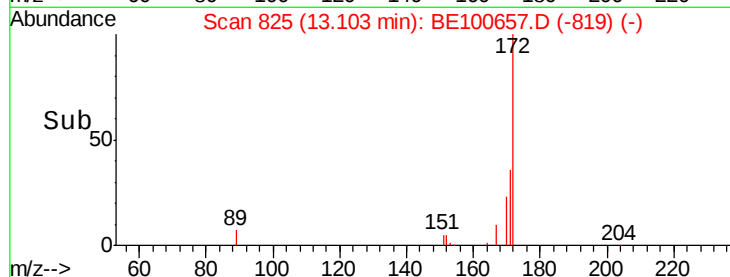
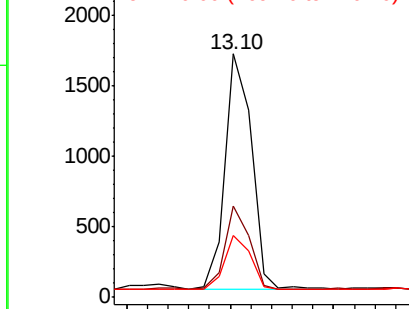
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	26.2	39.4
170	25.4	17.5	26.3

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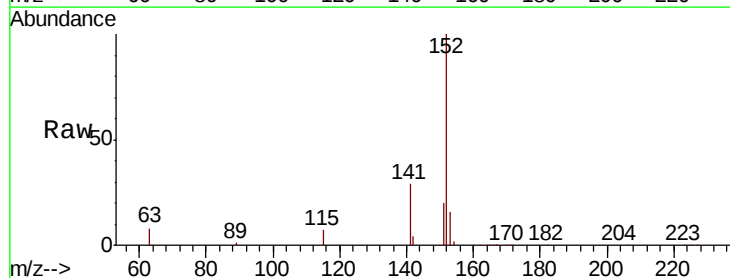


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

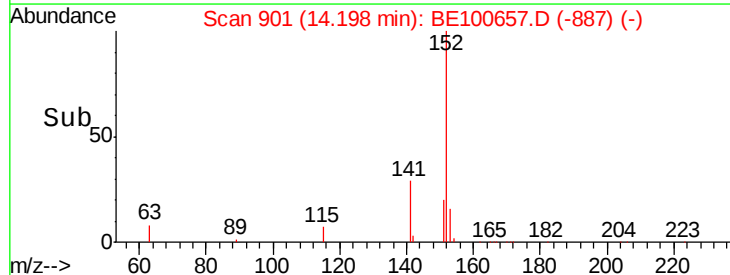
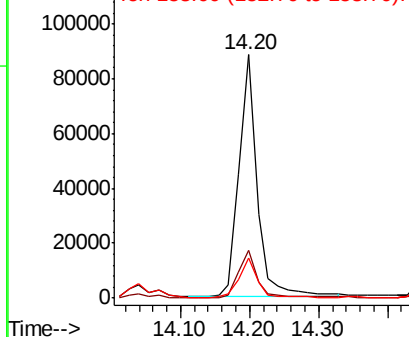


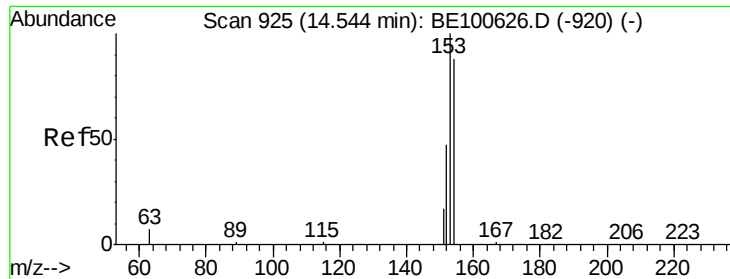
#16
Acenaphthylene
Concen: 1.645 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	16.1	10.5	15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





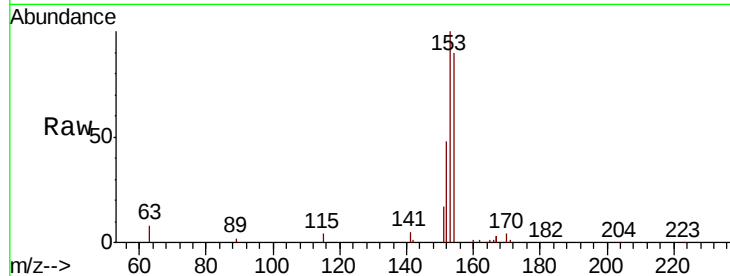
#17
Acenaphthene
Concen: 0.727 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
154	100		
153	129.4	91.4	137.2
152	66.3	44.0	66.0#

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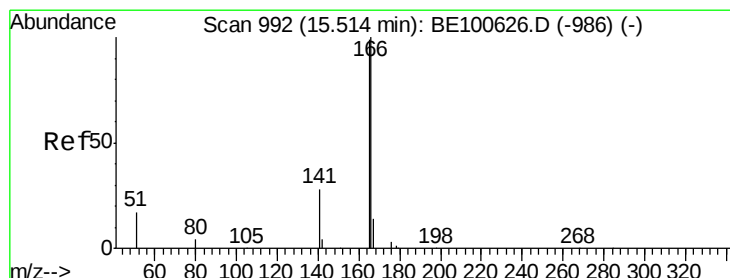
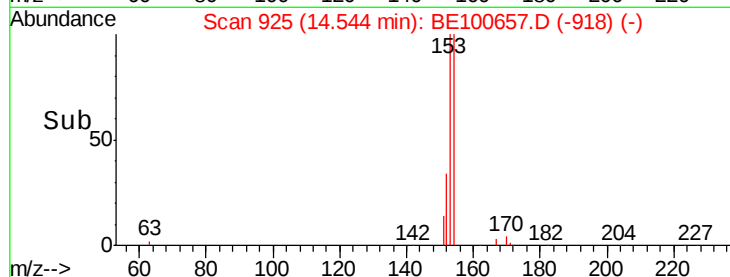
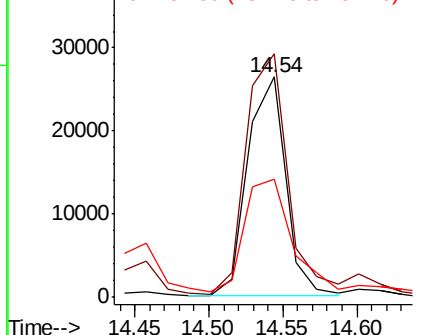


Abundance

Ion 154.00 (153.70 to 154.70): E

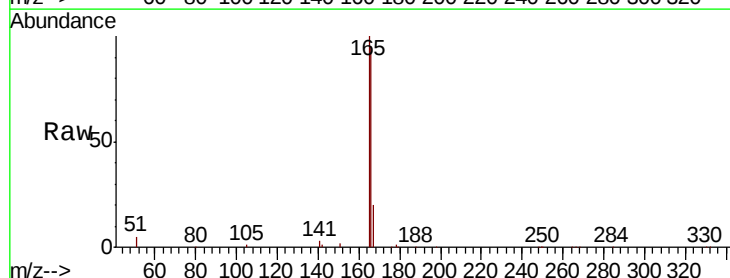
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 1.355 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	110.7	78.9	118.3
167	28.7	10.9	16.3#

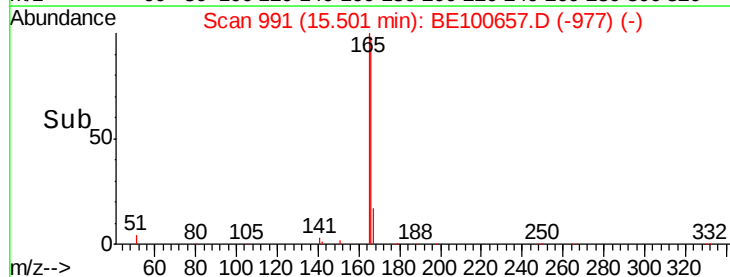
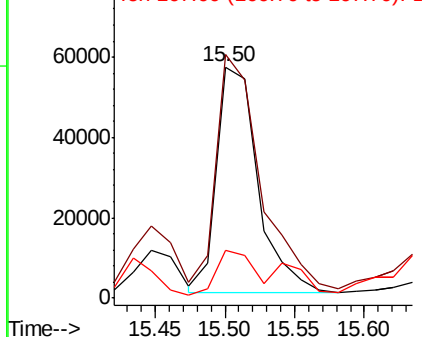


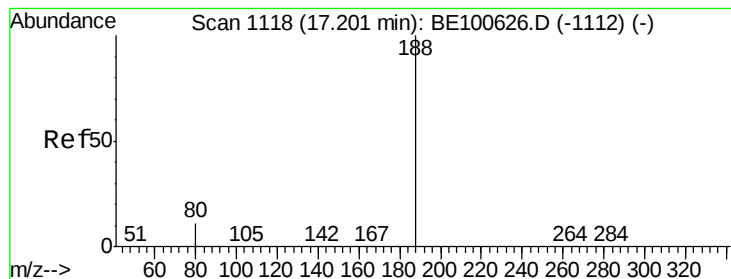
Abundance

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: BE100657.D

Acq: 18 Oct 2019 12:23

Instrument :

BNA_E

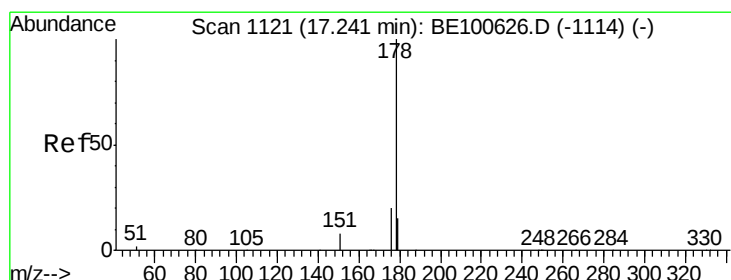
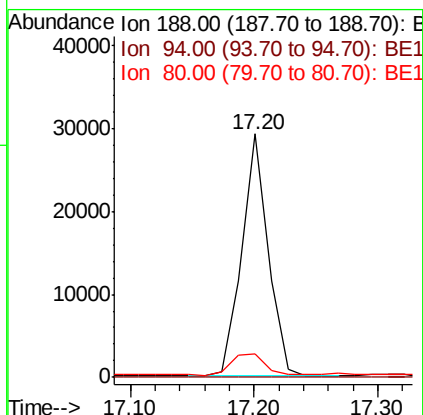
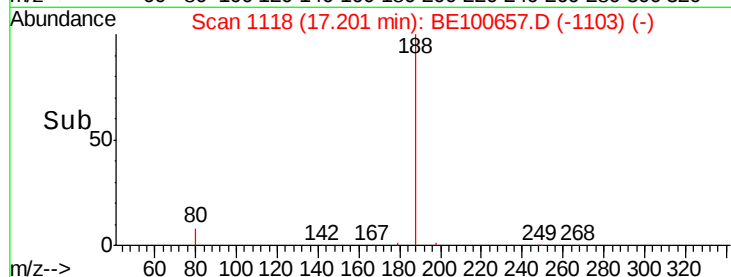
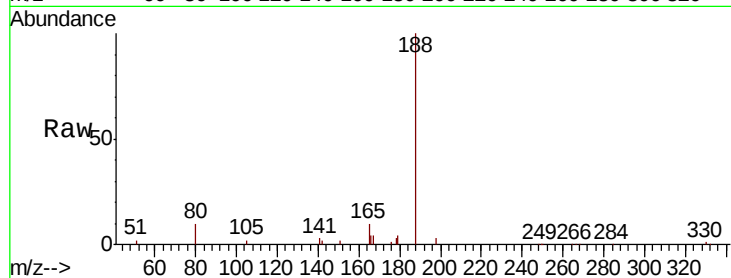
ClientSampleId :

EXT-SW085-091819-4

Tot Ion:	188	Resp:	43171
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	9.4	14.2

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#23

Phenanthrene

Concen: 20.546 ng

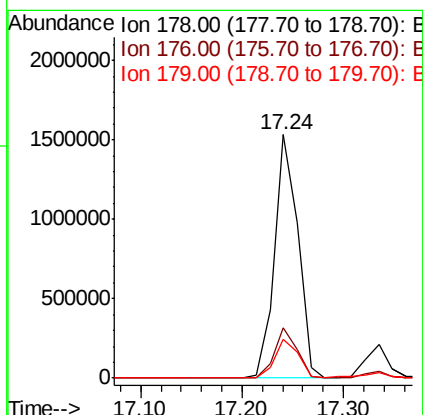
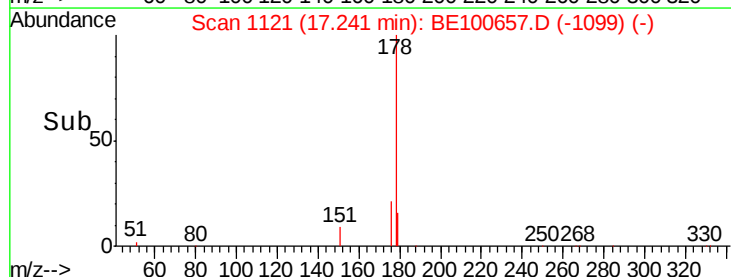
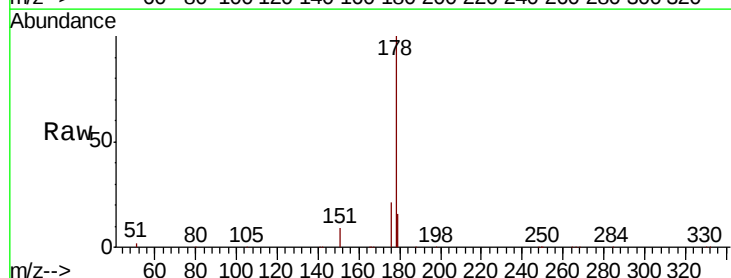
RT: 17.24 min Scan# 1121

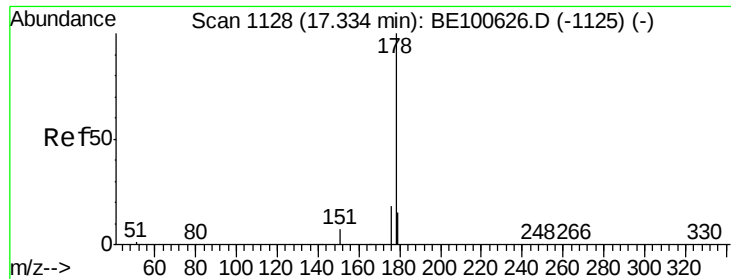
Delta R.T. 0.00 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Tgt Ion:	178	Resp:	2439746
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.6	23.4
179	16.0	12.4	18.6





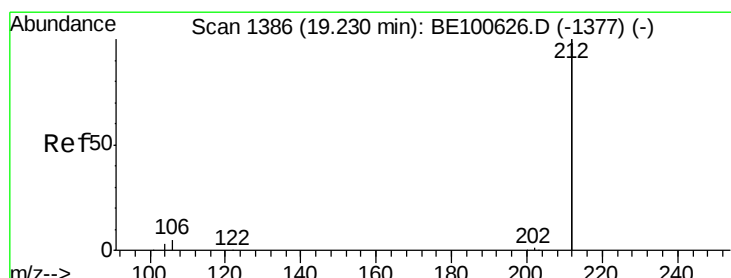
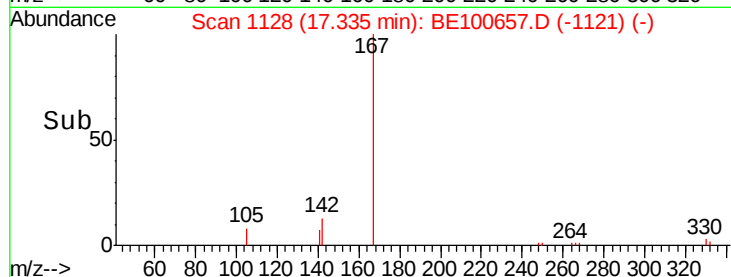
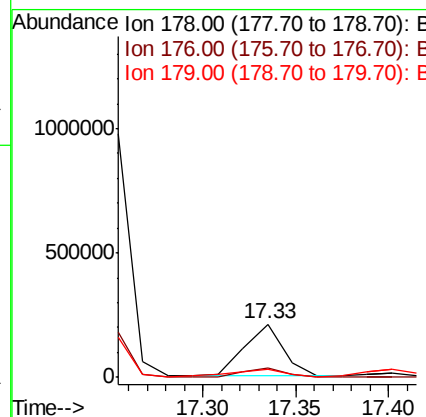
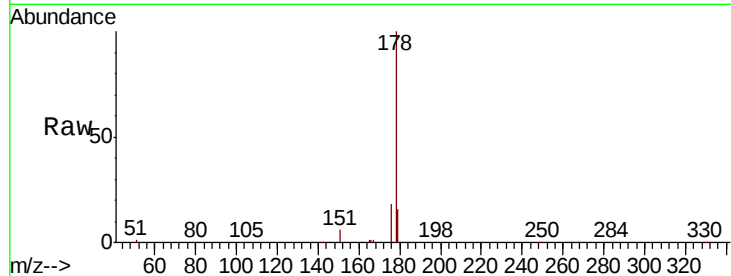
#24
 Anthracene
 Concen: 2.807 ng
 RT: 17.33 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BE100657.D
 Acq: 18 Oct 2019 12:23

Instrument :
 BNA_E
 ClientSampleId :
 EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.5	21.7
179	17.0	12.4	18.6

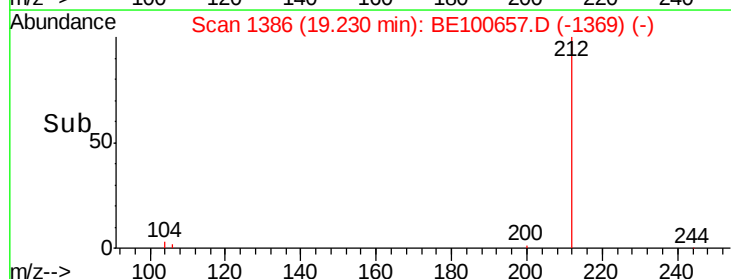
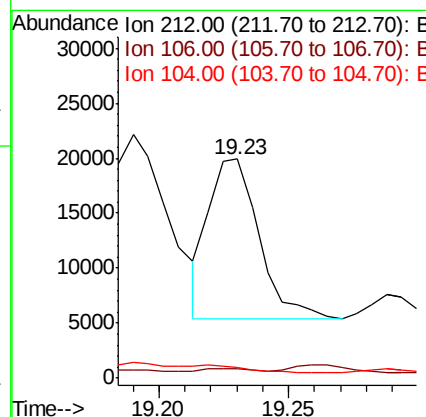
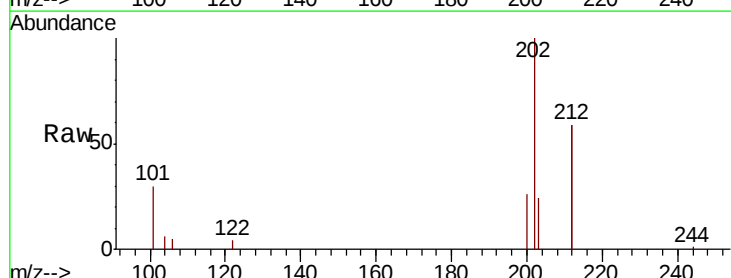
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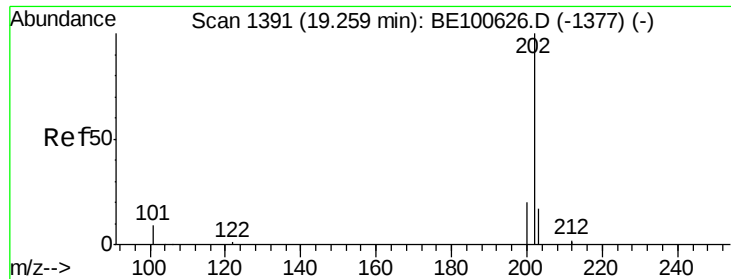
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: BE100657.D
 Acq: 18 Oct 2019 12:23

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





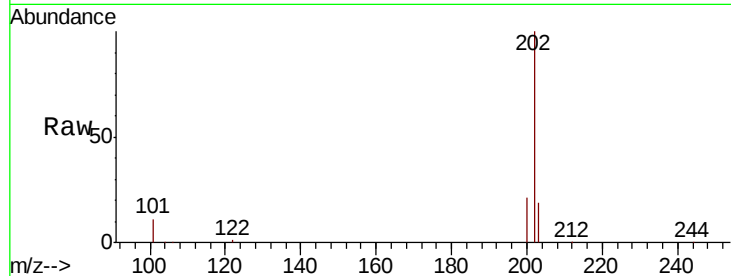
#26
Fluoranthene
Concen: 12.893 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.4	12.6
203	18.7	13.8	20.6

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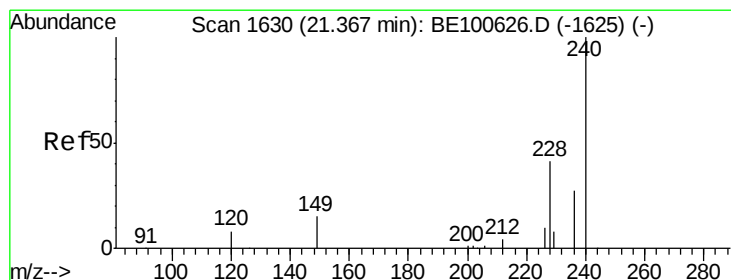
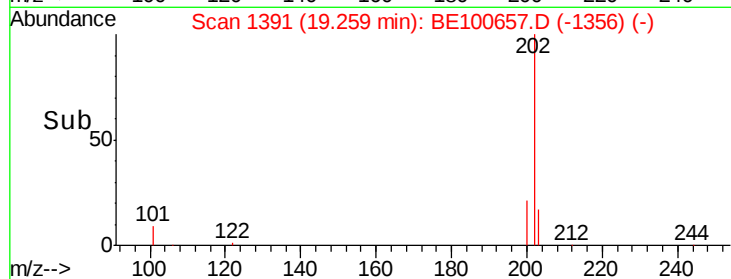
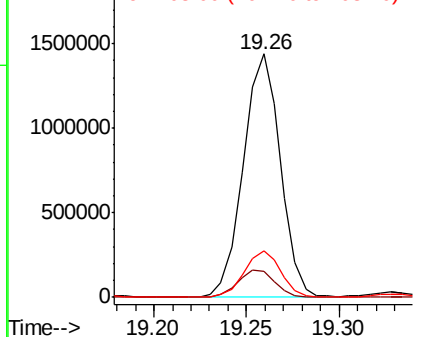


Abundance

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: BE100657.D
Acq: 18 Oct 2019 12:23

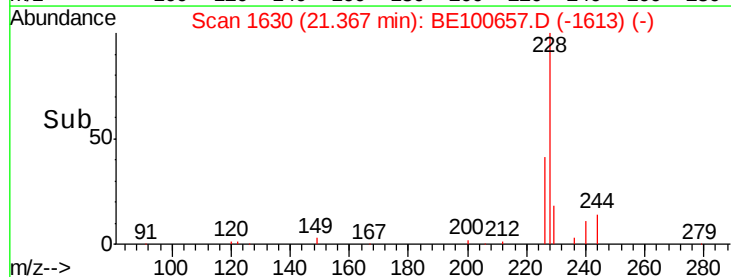
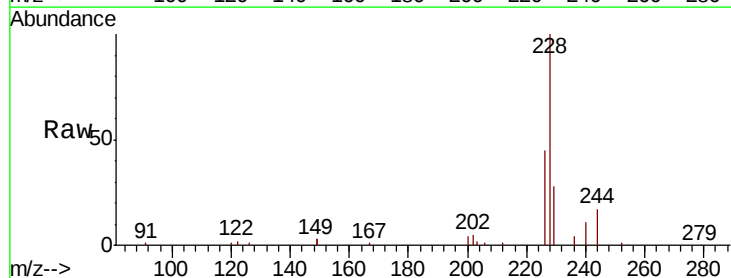
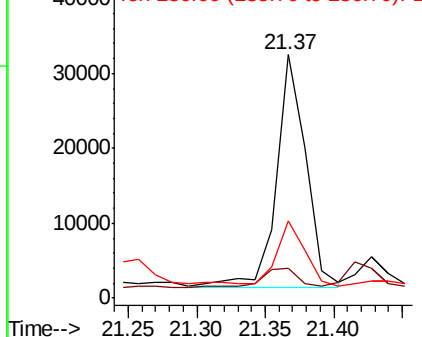
Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	7.4	11.0#
236	31.8	21.7	32.5

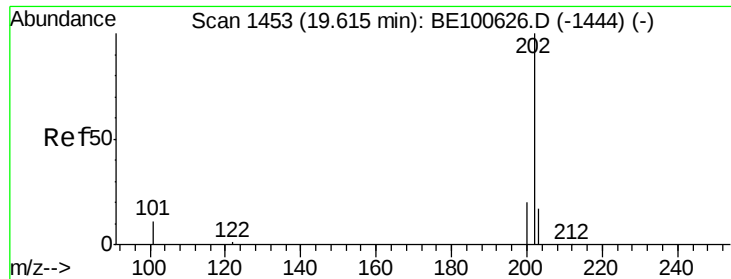
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





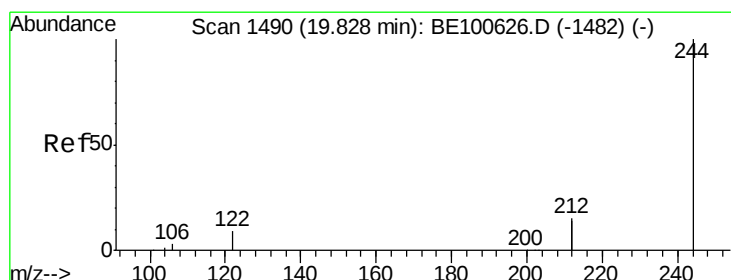
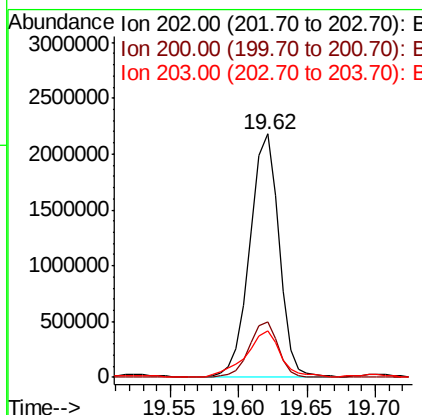
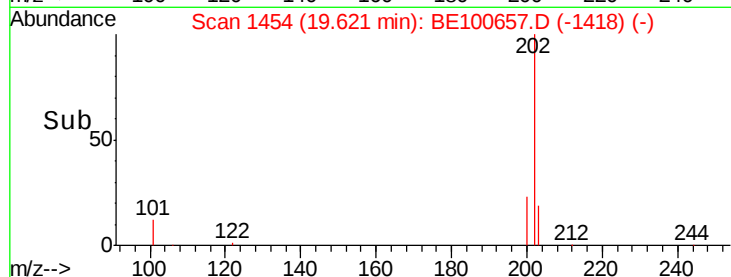
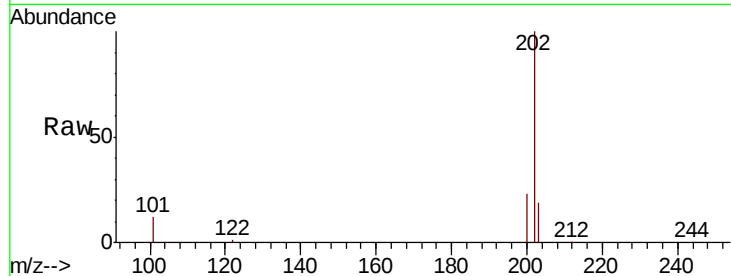
#28
Pvrene
Concen: 24.532 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.6	24.8
203	22.7	13.9	20.9

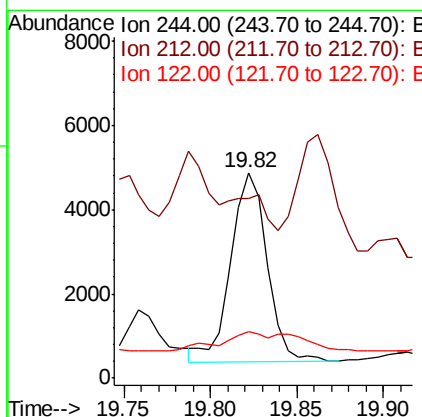
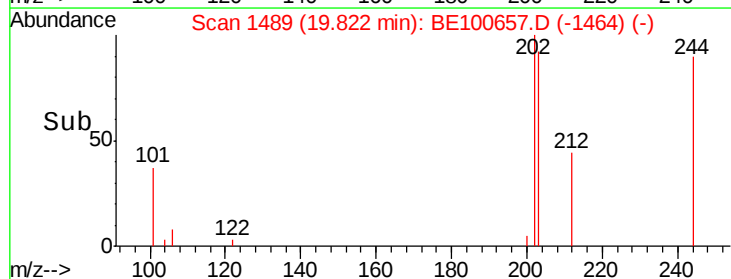
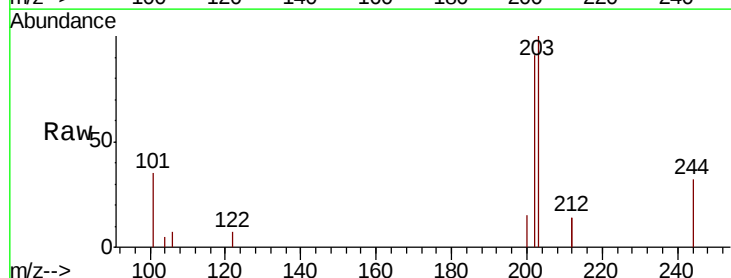
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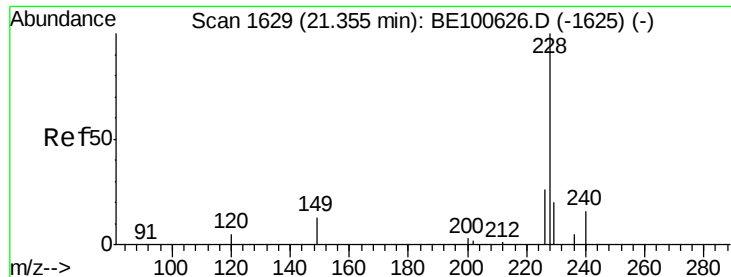
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#29
Terphenyl-d14
Concen: 0.064 ng
RT: 19.82 min Scan# 1489
Delta R.T. -0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	87.4	23.9	35.9
122	22.4	7.7	11.5





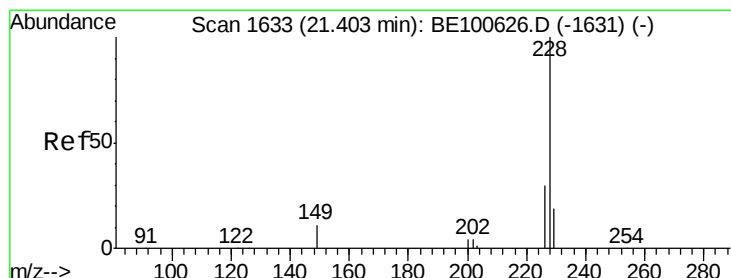
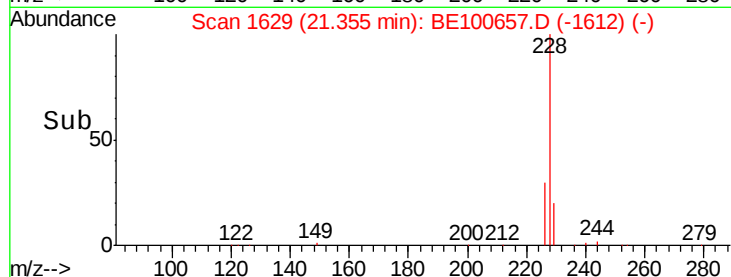
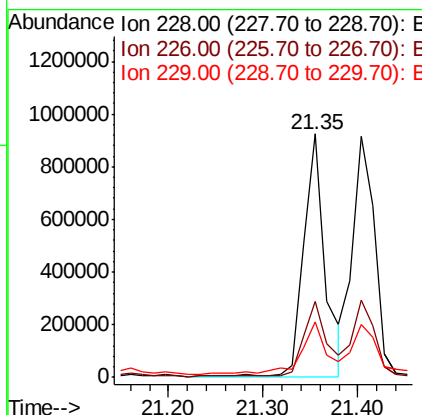
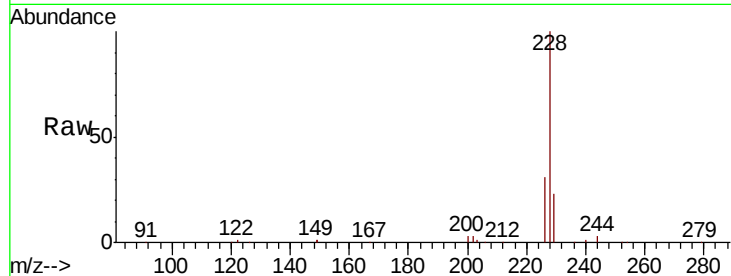
#30
Benzo(a)anthracene
Concen: 9.442 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion:228 Resp: 1436073
Ion Ratio Lower Upper
228 100
226 31.4 21.0 31.6
229 22.9 15.8 23.8

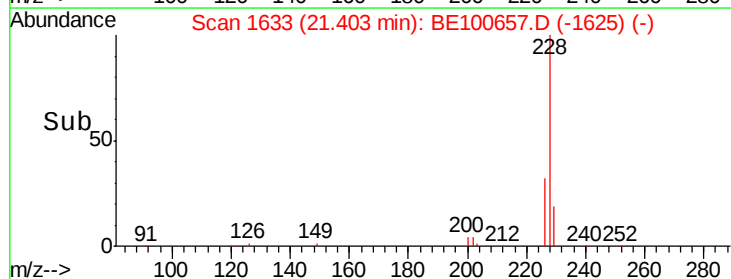
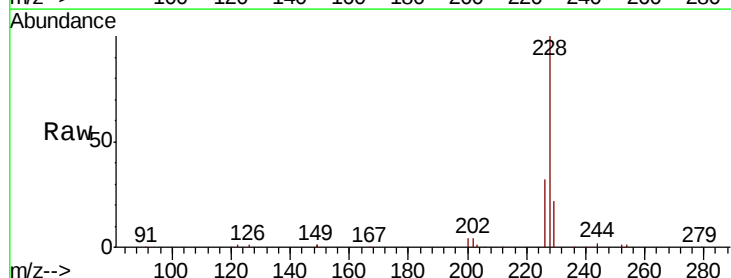
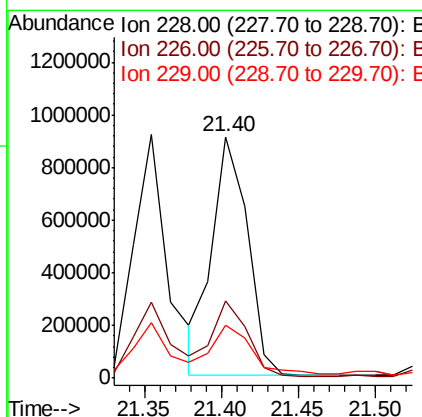
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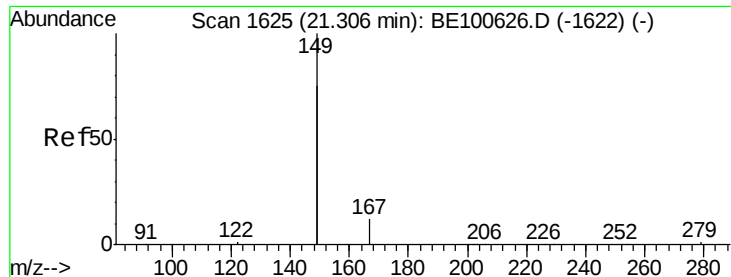
mohammad
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#31
Chrysene
Concen: 9.526 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion:228 Resp: 1448026
Ion Ratio Lower Upper
228 100
226 32.1 24.5 36.7
229 21.9 15.6 23.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.065 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Instrument :

BNA_E

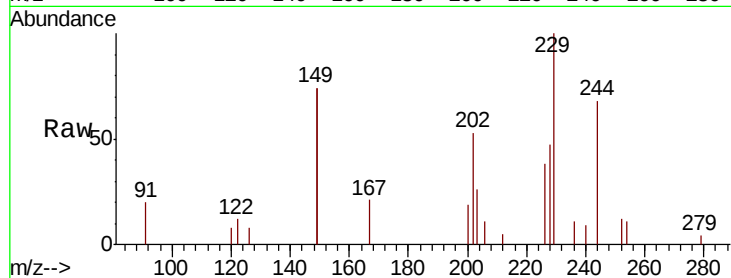
ClientSampleId :

EXT-SW085-091819-4

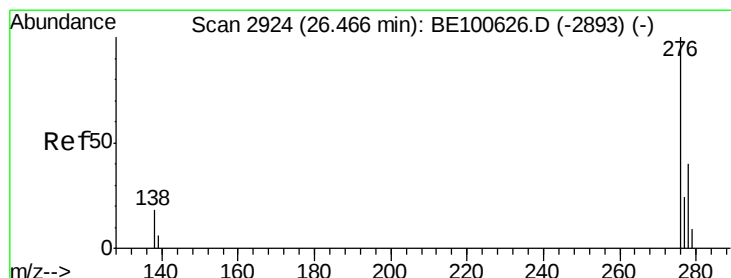
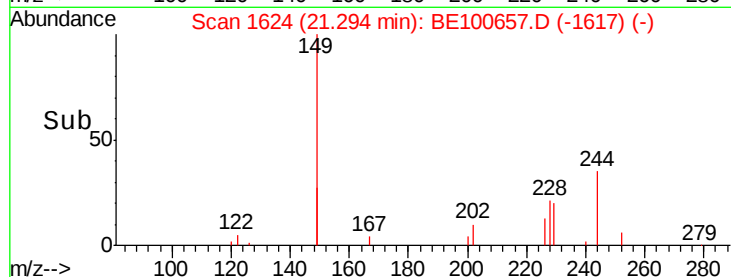
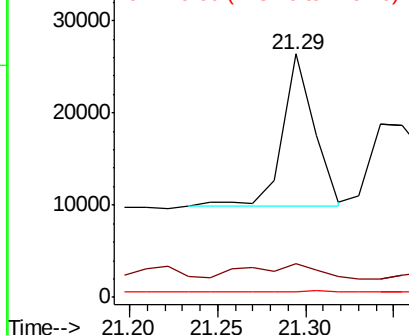
Tot Ion:	149	Resp:	20764
Ion Ratio	Lower	Upper	
149	100		
167	0.0	5.4	8.2#
279	1.5	1.5	2.3#

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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: 3.047 ng

RT: 26.47 min Scan# 2926

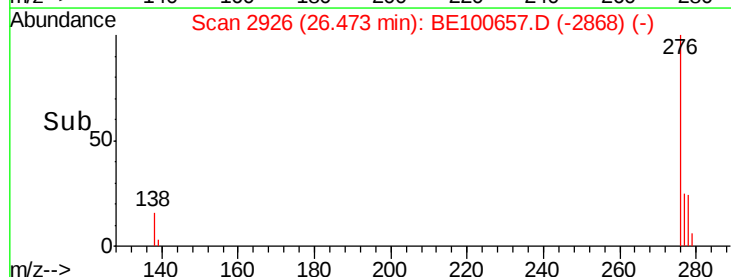
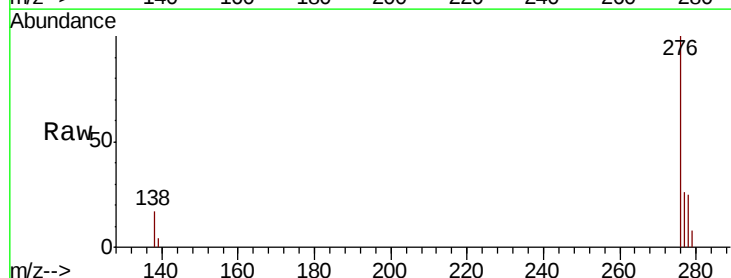
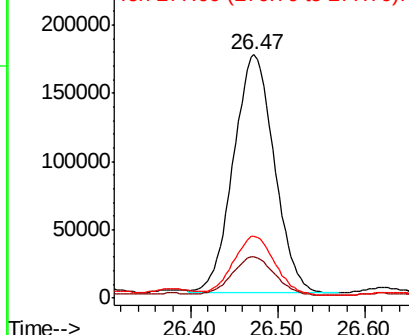
Delta R.T. 0.01 min

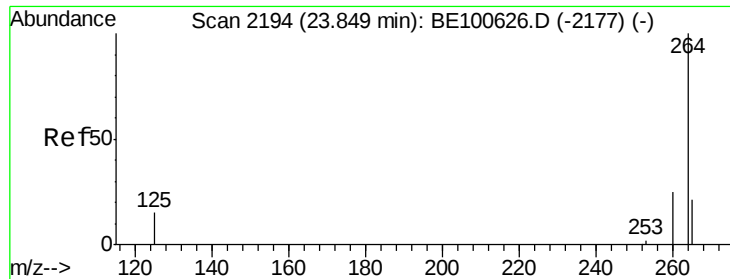
Lab File: BE100657.D

Acq: 18 Oct 2019 12:23

Tgt Ion:	276	Resp:	569301
Ion Ratio	Lower	Upper	
276	100		
138	16.8	16.0	24.0
277	25.4	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





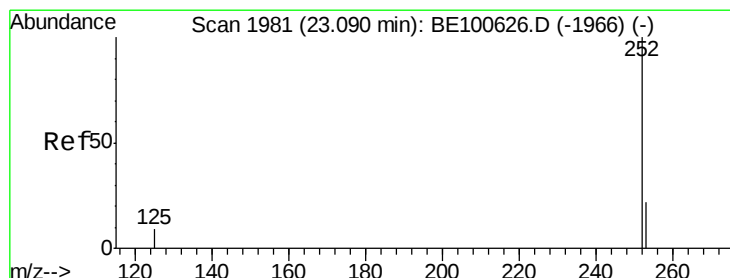
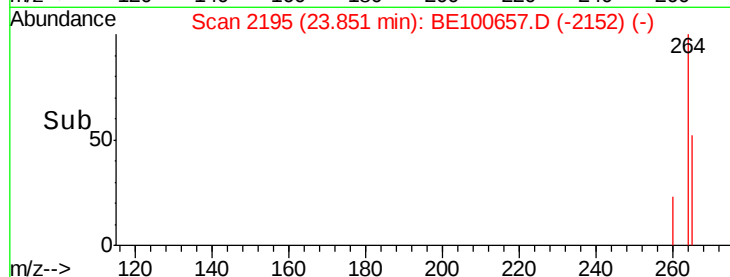
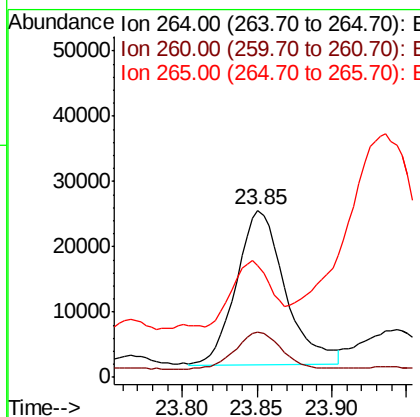
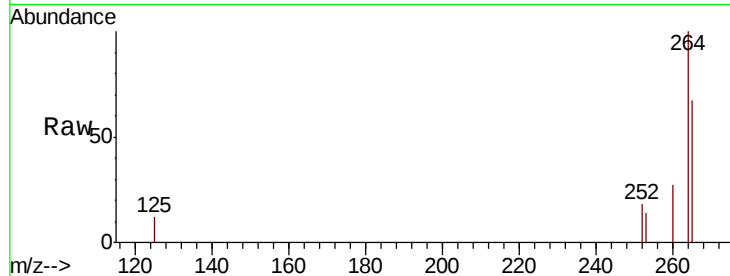
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.4	19.9	29.9
265	67.2	20.0	30.0

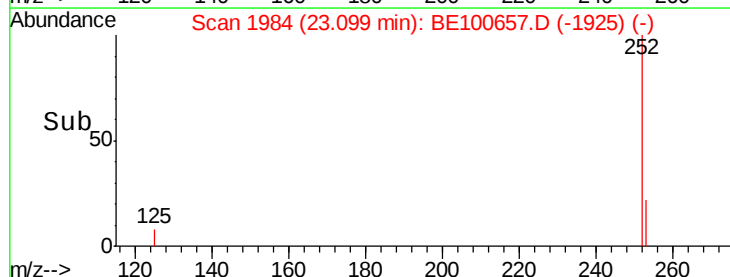
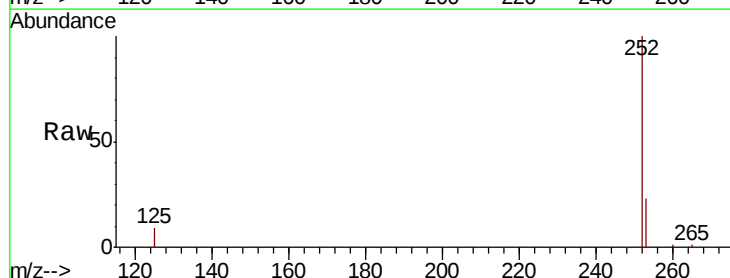
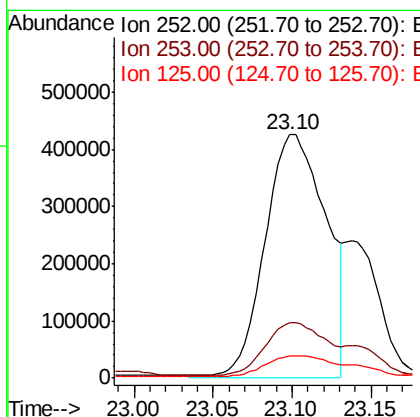
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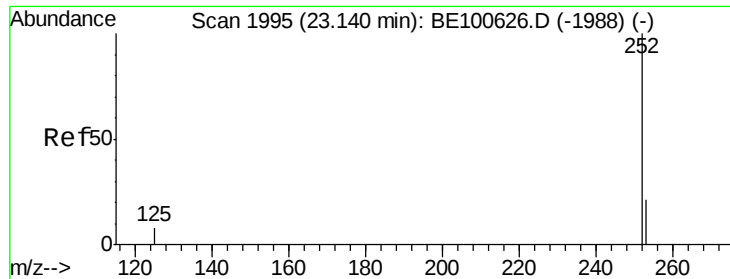
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#35
Benzo(b)fluoranthene
Concen: 7.357 ng m
RT: 23.10 min Scan# 1984
Delta R.T. 0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	9.1	7.6	11.4





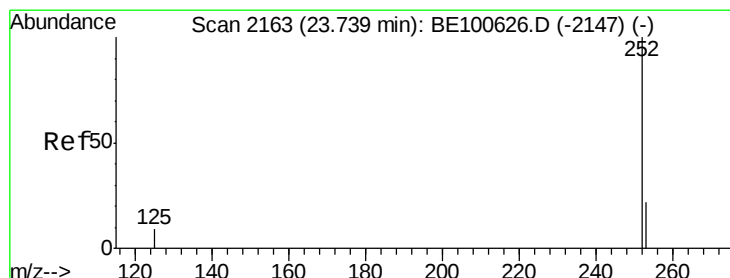
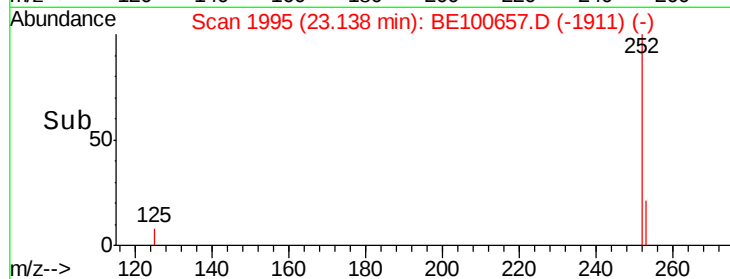
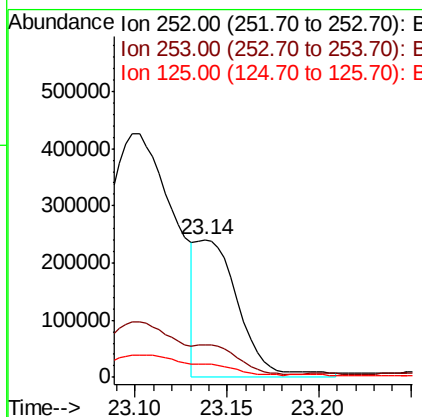
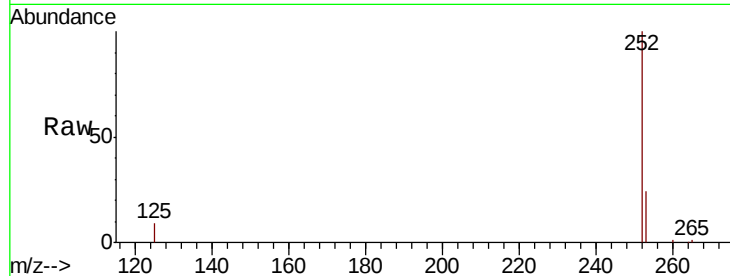
#36
Benzo(k)fluoranthene
Concen: 2.412 ng m
RT: 23.14 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	9.3	7.6	11.4

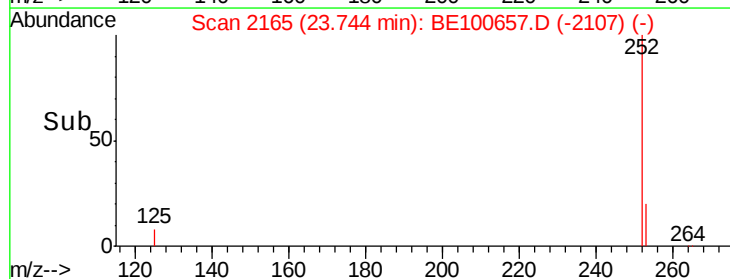
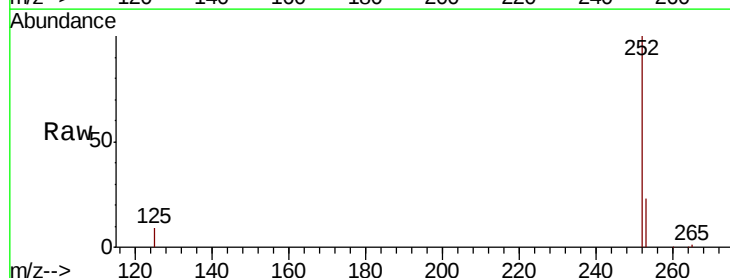
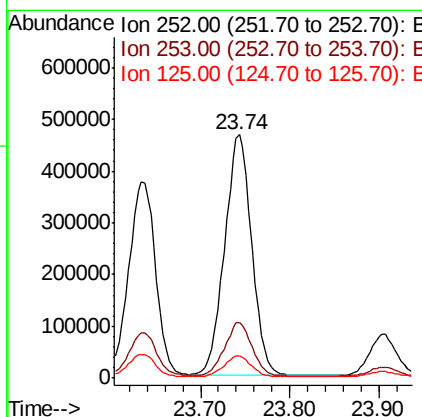
Manual Integrations
APPROVED

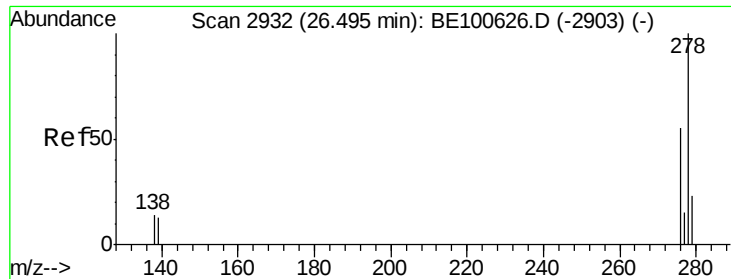
mohammad
10/20/2019 8:05:10 PM



#37
Benzo(a)pyrene
Concen: 6.851 ng
RT: 23.74 min Scan# 2165
Delta R.T. 0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.1	8.1	12.1





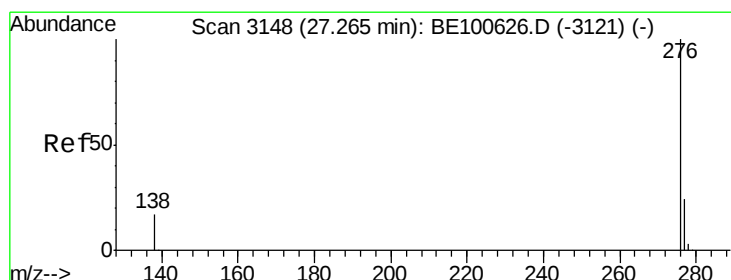
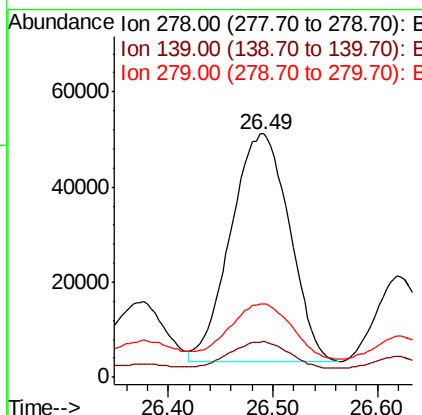
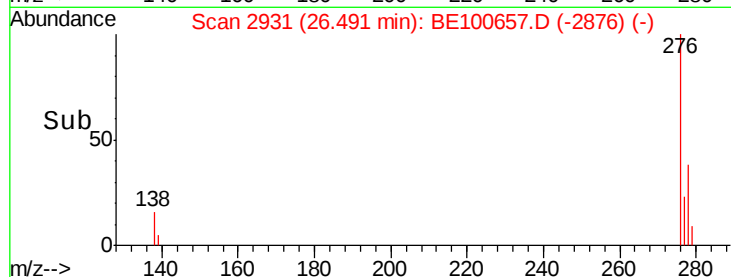
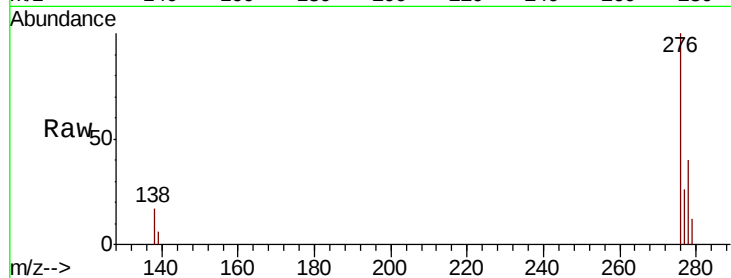
#38
Dibenzo(a,h)anthracene
Concen: 1.249 ng
RT: 26.49 min Scan# 2931
Delta R.T. -0.00 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Instrument :
BNA_E
ClientSampleId :
EXT-SW085-091819-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.2	16.8
279	30.2	19.0	28.6

Manual Integrations
APPROVED

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



#39
Benzo(g,h,i)perylene
Concen: 4.624 ng
RT: 27.28 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BE100657.D
Acq: 18 Oct 2019 12:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.3	28.9
138	16.9	14.5	21.7

