

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100336.D
 Acq On : 3 Jul 2019 19:40
 Operator : JU/SJ
 Sample : K3560-04 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW145-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:19 AM

Quant Time: Jul 04 01:30:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	611	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2293	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1992	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5730	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7700	0.40	ng	0.00
34) Perylene-d12	23.66	264	8702	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	66	0.04	ng	0.00
5) Phenol-d6	6.85	99	84m	0.04	ng	0.00
8) Nitrobenzene-d5	8.83	82	72	0.03	ng	0.01
11) 2-Methylnaphthalene-d10	12.05	152	255	0.06	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	80	0.06	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	404	0.05	ng	0.00
25) Fluoranthene-d10	19.09	212	4082	0.05	ng	0.00
29) Terphenyl-d14	19.69	244	1997	0.13	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	3684	0.146	ng	# 95
12) 2-Methylnaphthalene	12.12	142	656	0.148	ng	92
16) Acenaphthylene	14.04	152	6365	0.666	ng	99
17) Acenaphthene	14.37	154	461	0.085	ng	93
18) Fluorene	15.35	166	1778	0.222	ng	# 90
23) Phenanthrene	17.10	178	40248	2.898	ng	100
24) Anthracene	17.19	178	5054	0.404	ng	# 95
26) Fluoranthene	19.12	202	91297	4.127	ng	99
28) Pyrene	19.48	202	111233	5.456	ng	97
30) Benzo(a)anthracene	21.22	228	55760	2.202	ng	96
31) Chrysene	21.28	228	66453	2.614	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	7730	0.158	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.21	276	37765	1.123	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	75866	3.216	ng	# 96
36) Benzo(k)fluoranthene	22.96	252	25725m	0.977	ng	
37) Benzo(a)pyrene	23.55	252	48682m	2.059	ng	
38) Dibenzo(a,h)anthracene	26.22	278	9122	0.369	ng	# 88
39) Benzo(a,h,i)perylene	27.00	276	42761	1.686	ng	99

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

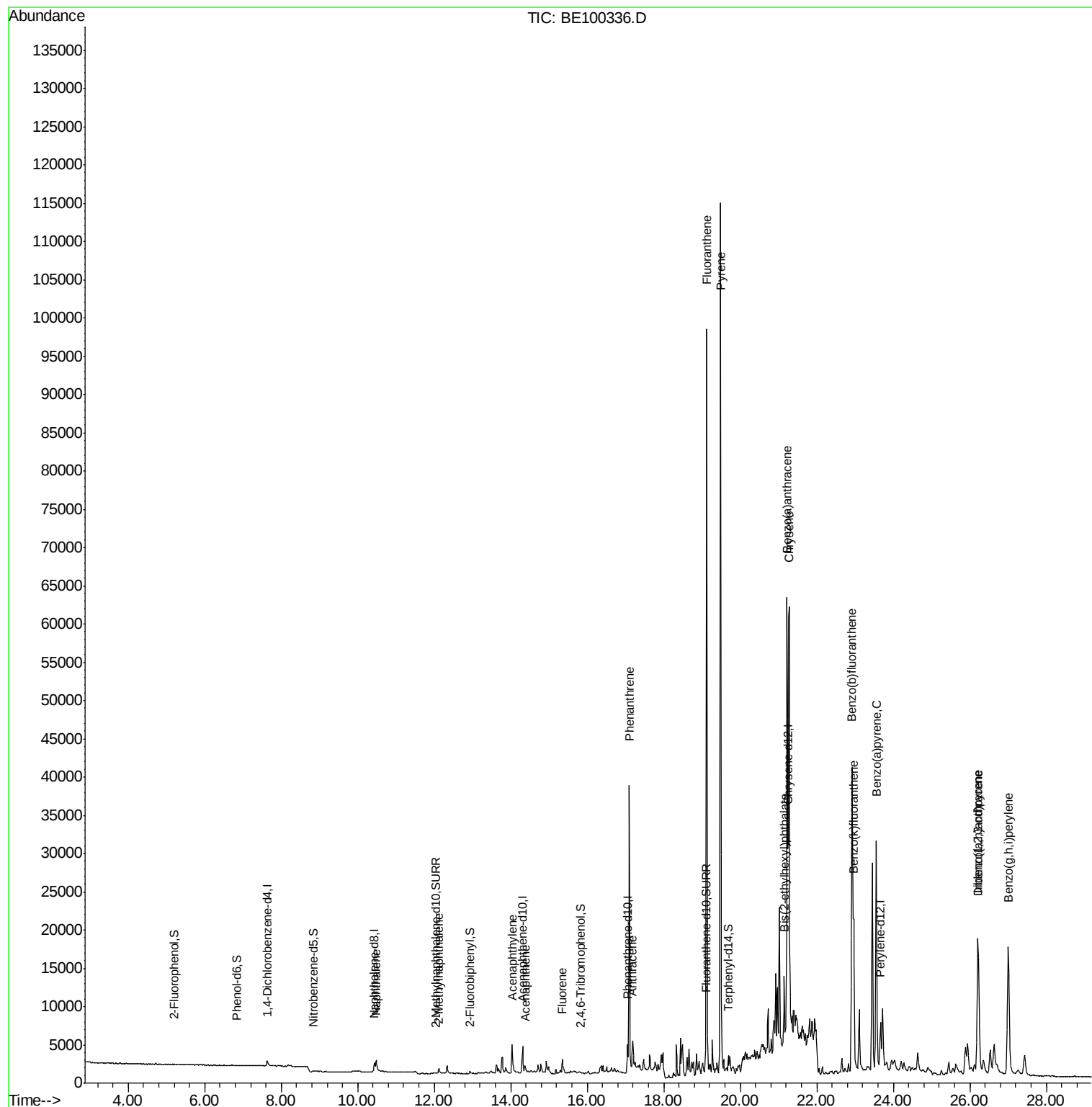
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100336.D
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Operator : JU/SJ
Sample : K3560-04 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

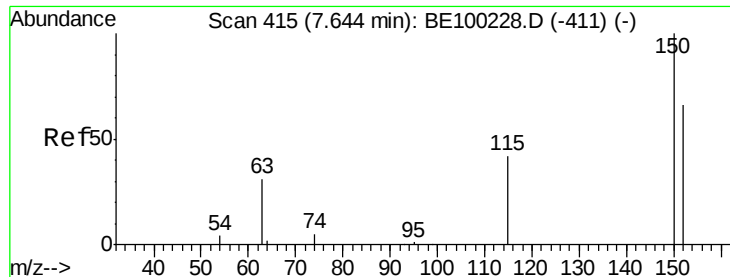
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

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7/5/2019 8:54:19 AM

Quant Time: Jul 04 01:30:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

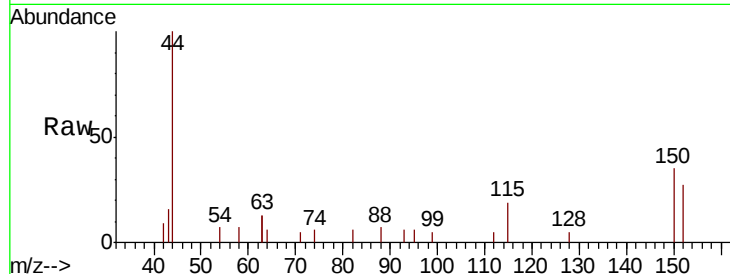
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	132.7	114.5	171.7
115	69.6	57.1	85.7

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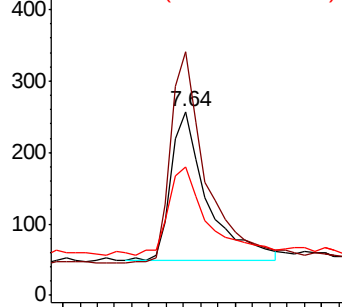


Abundance

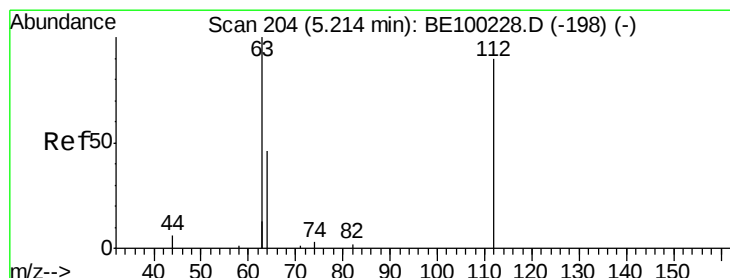
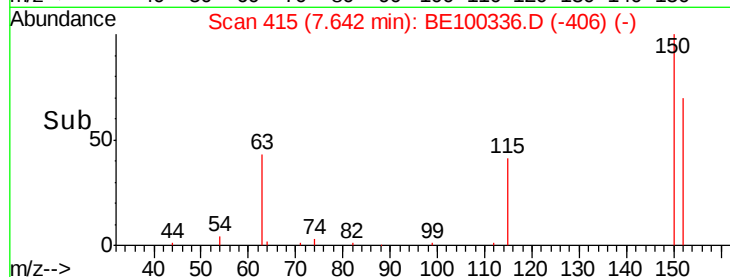
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



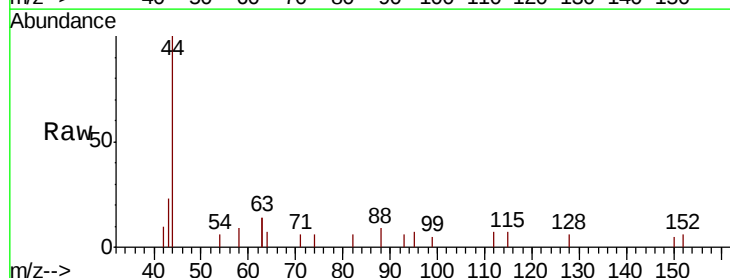
Time-->



#4

2-Fluorophenol
Concen: 0.042 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	39.4	59.0#
63	168.2	104.5	156.7#

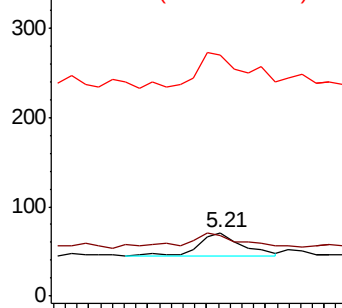


Abundance

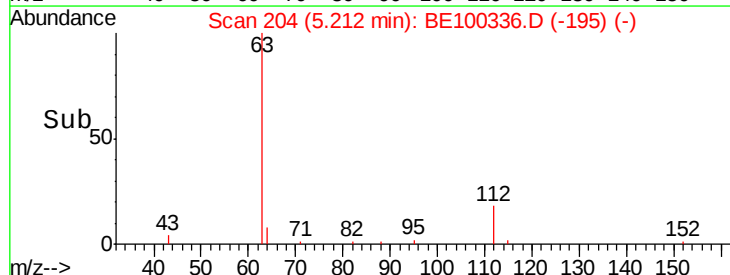
Ion 112.00 (111.70 to 112.70): E

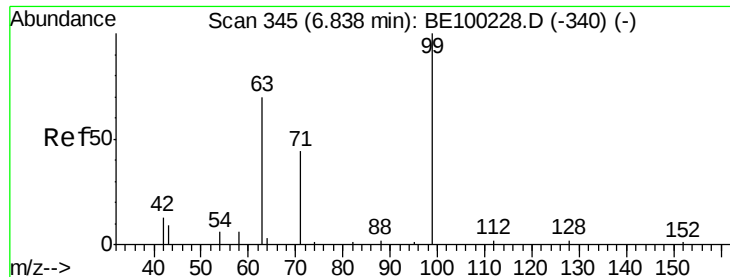
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.041 ng/ml

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Instrument :

BNA_E

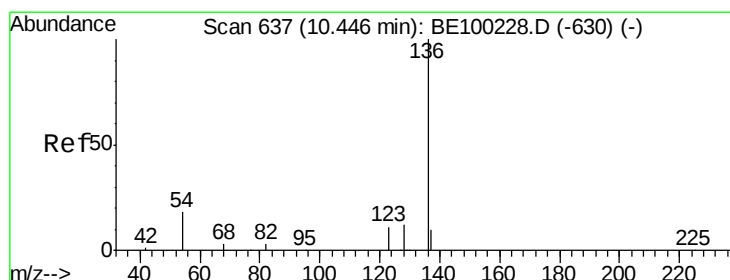
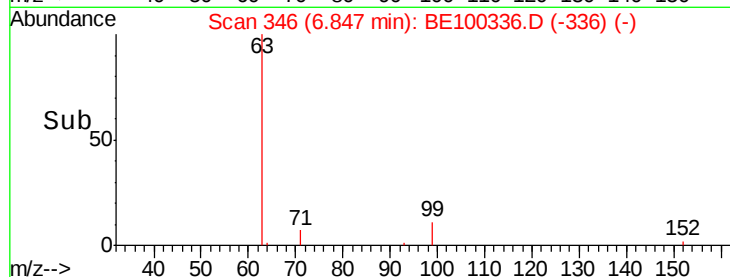
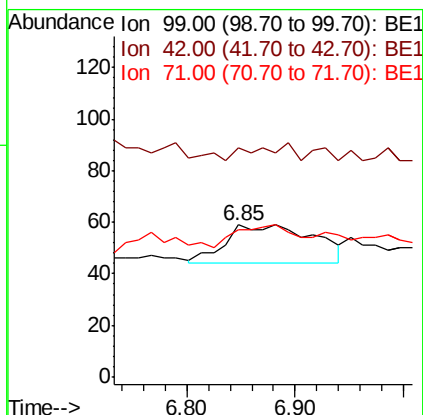
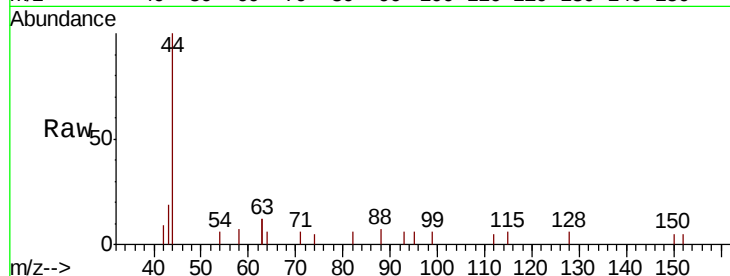
ClientSampleId :

EXT-009-SW145-062419

Tot Ion:	99	Resp:	84
Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.2	16.8#
71	0.0	37.2	55.8#

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#7

Naphthalene-d8

Concen: 0.400 ng

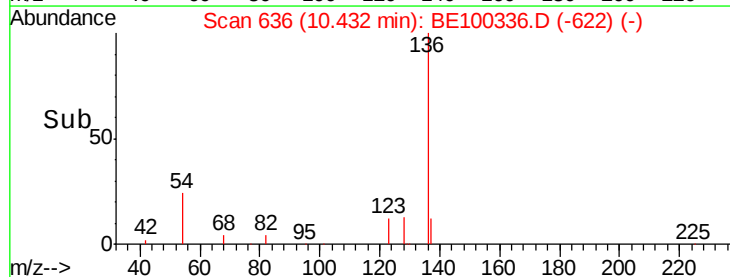
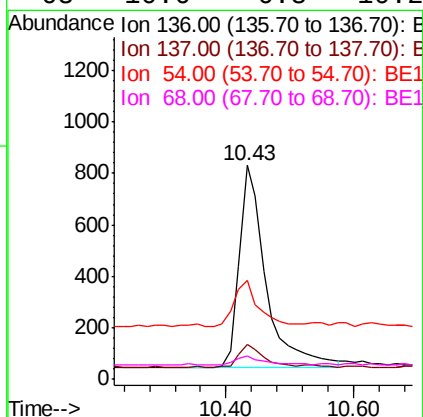
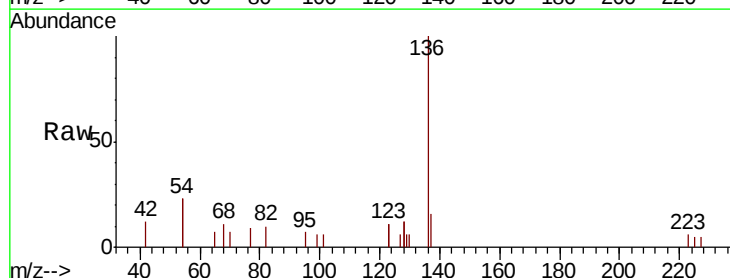
RT: 10.43 min Scan# 636

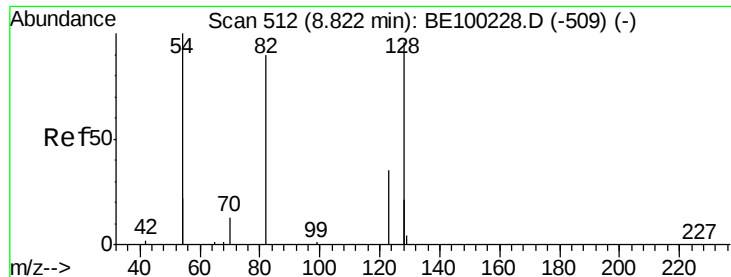
Delta R.T. -0.01 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Tgt Ion:	136	Resp:	2293
Ion	Ratio	Lower	Upper
136	100		
137	16.5	11.8	17.8
54	46.2	27.7	41.5#
68	10.6	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.032 ng

RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Instrument :

BNA_E

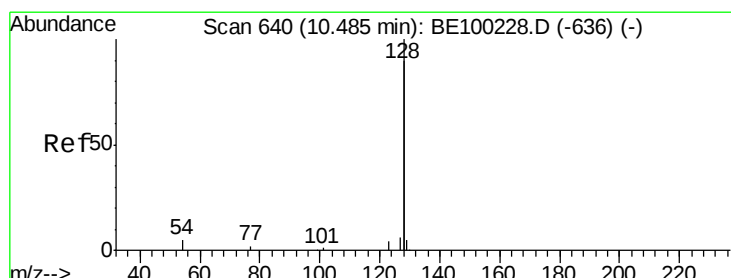
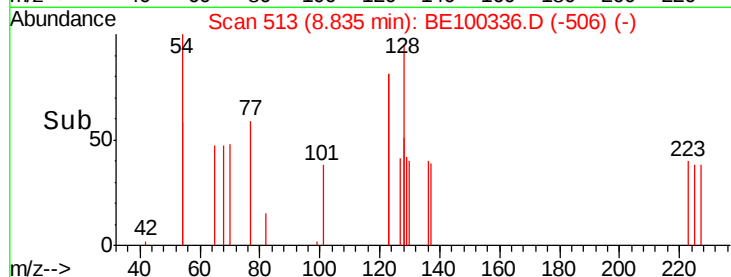
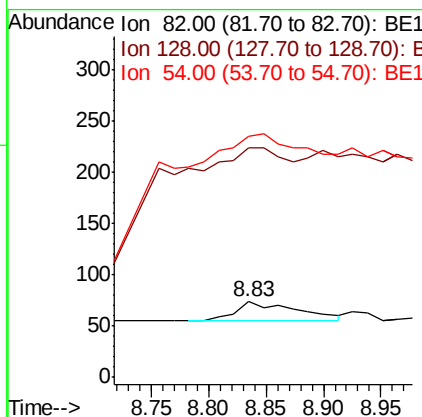
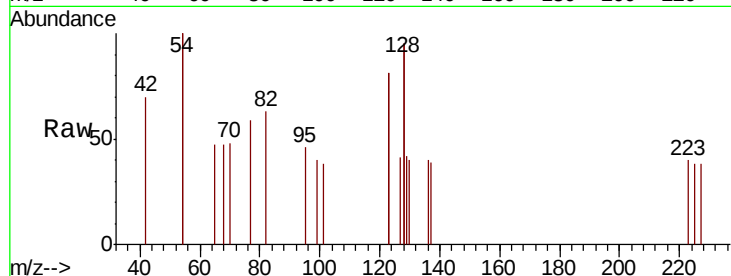
ClientSampleId :

EXT-009-SW145-062419

Tot Ion:	82	Resp:	72
Ion	Ratio	Lower	Upper
82	100		
128	302.7	140.9	211.3#
54	318.9	146.2	219.2#

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#9

Naphthalene

Concen: 0.146 ng

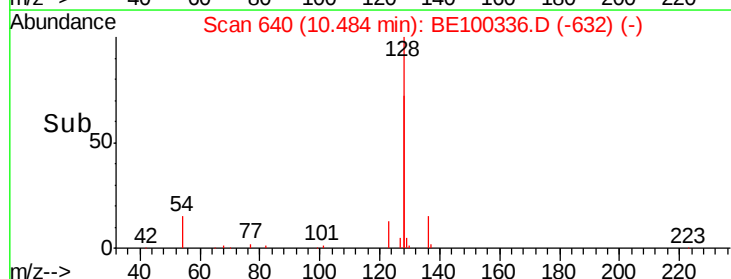
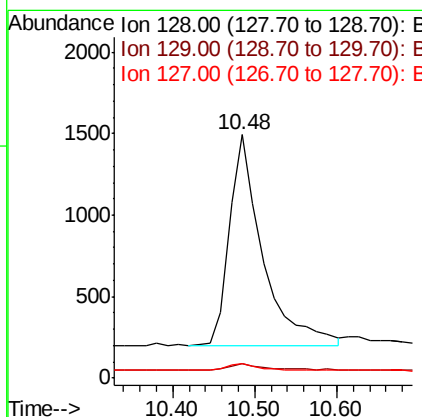
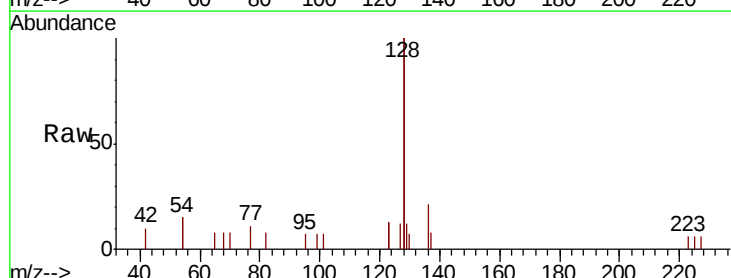
RT: 10.48 min Scan# 640

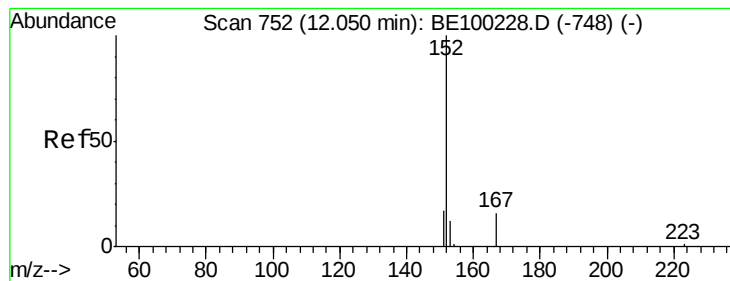
Delta R.T. -0.00 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Tgt Ion:	128	Resp:	3684
Ion	Ratio	Lower	Upper
128	100		
129	5.9	3.0	4.6#
127	5.9	3.5	5.3#





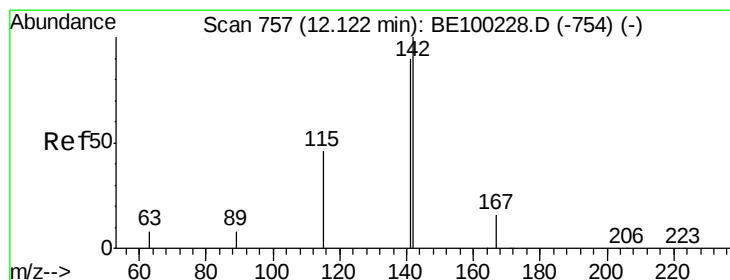
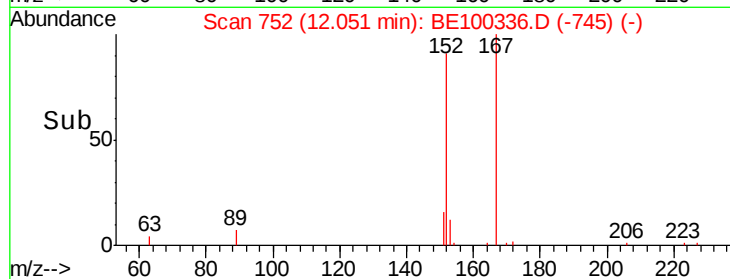
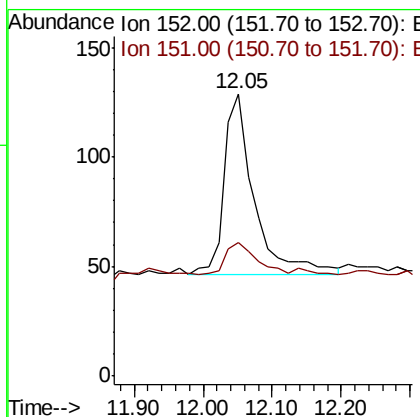
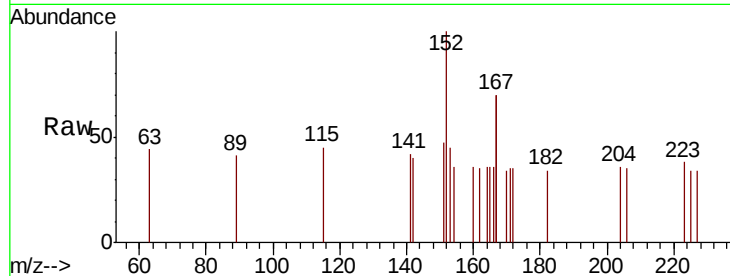
#11
2-Methylnaphthalene-d10
Concen: 0.059 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.1	22.7

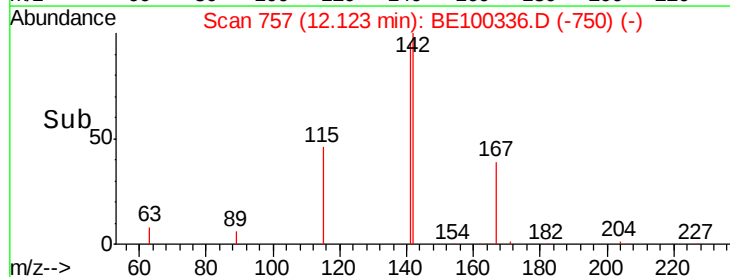
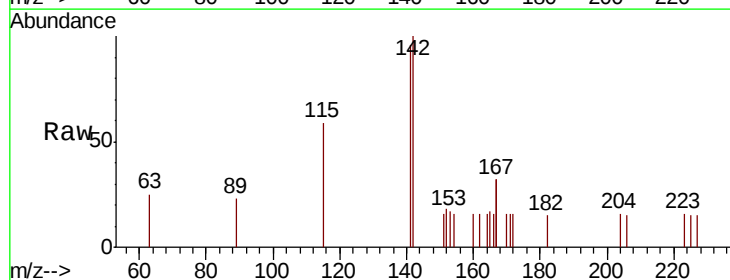
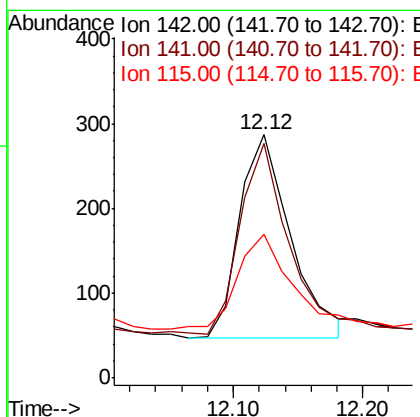
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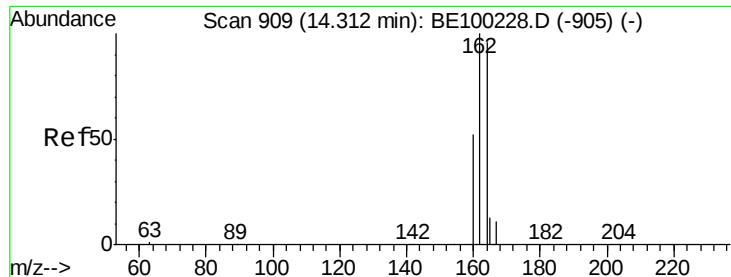
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#12
2-Methylnaphthalene
Concen: 0.148 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	96.2	72.4	108.6
115	58.9	40.4	60.6





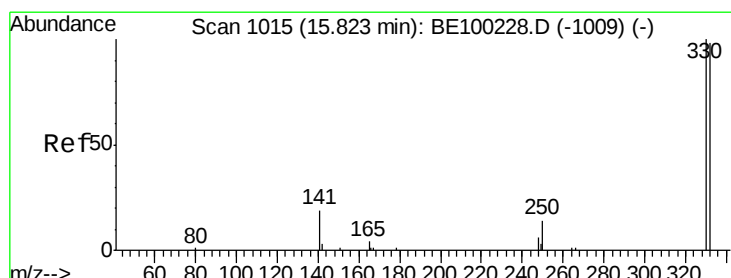
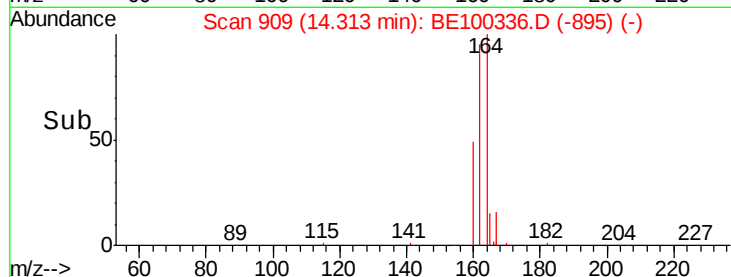
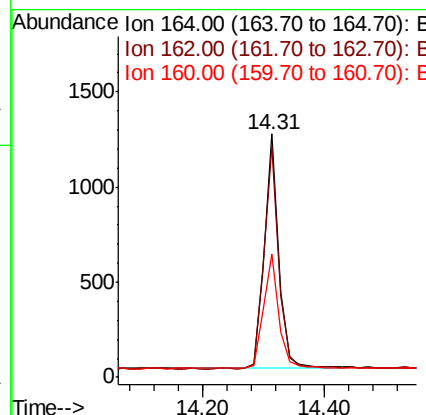
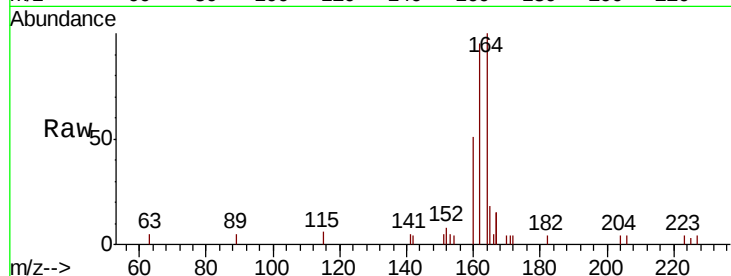
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	94.8	83.4	125.0
160	50.8	45.0	67.6

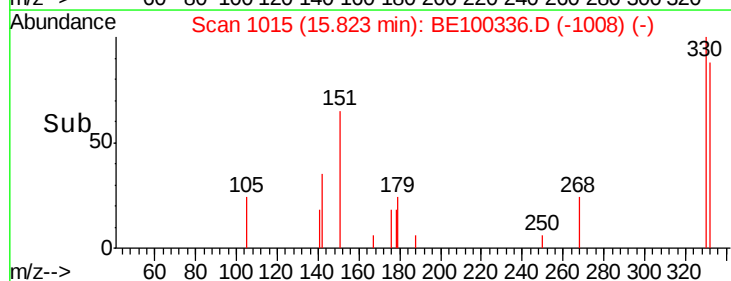
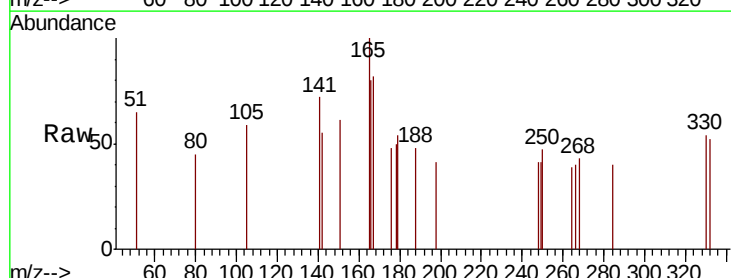
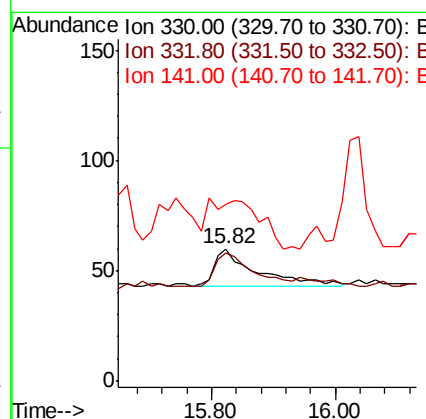
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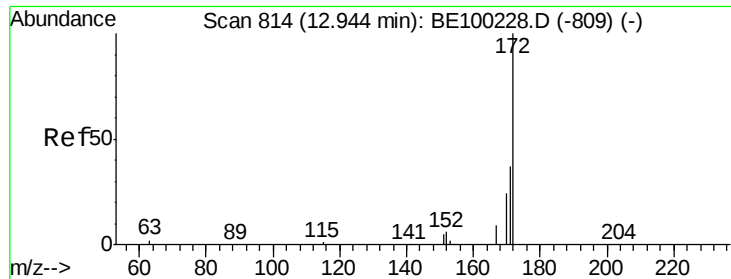
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#14
2,4,6-Tribromophenol
Concen: 0.057 ng
RT: 15.82 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	78.8	77.0	115.4
141	0.0	22.0	33.0#





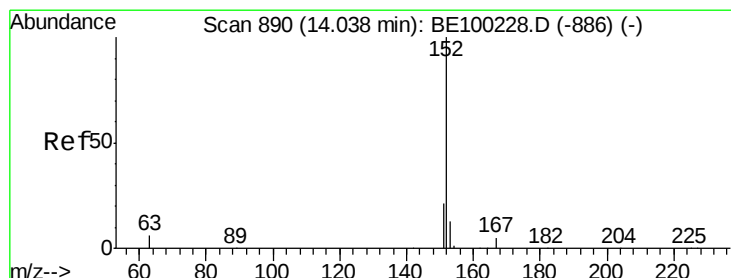
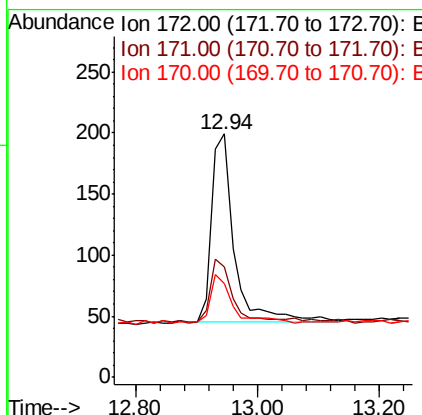
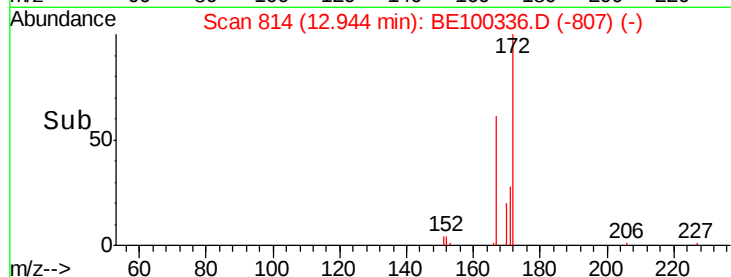
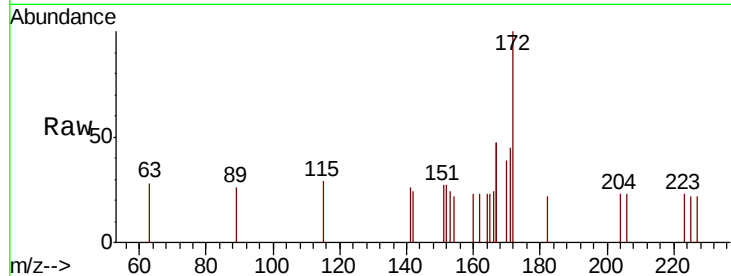
#15
2-Fluorobiphenyl
Concen: 0.052 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	45.2	31.9	47.9
170	38.7	22.2	33.2

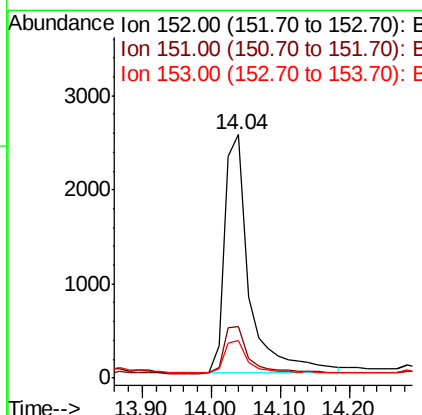
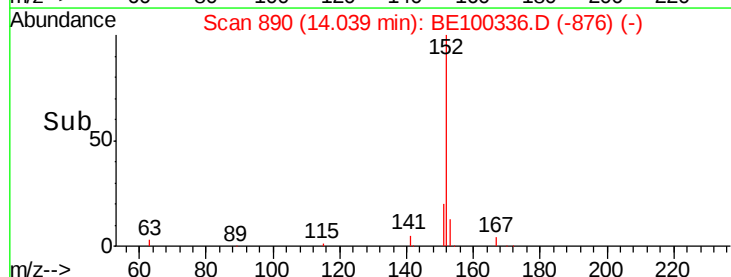
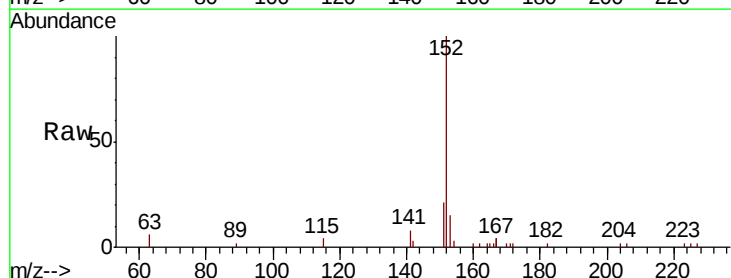
Manual Integrations
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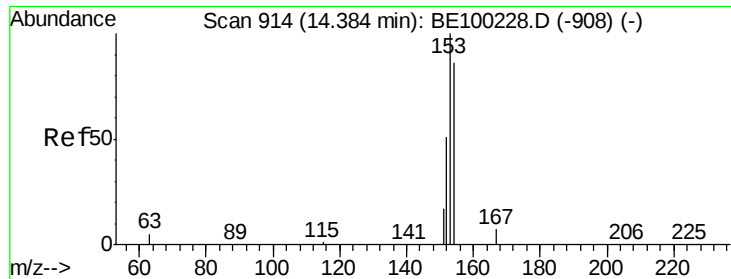
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#16
Acenaphthylene
Concen: 0.666 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.6	25.0
153	13.4	10.5	15.7





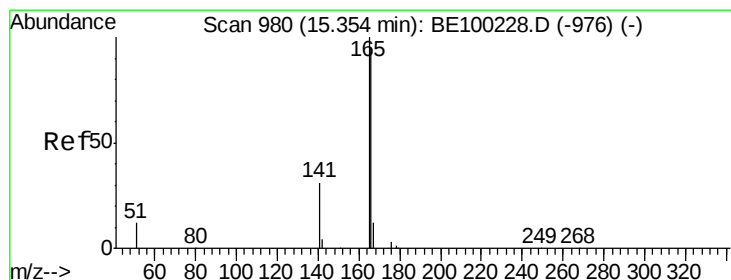
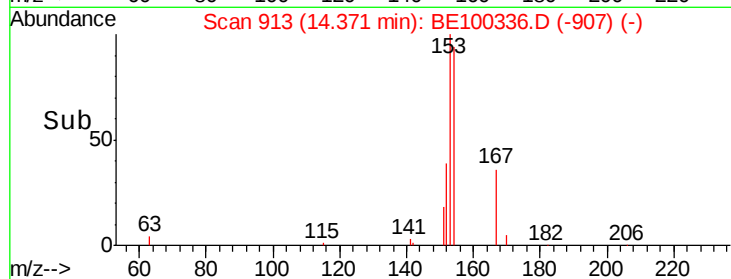
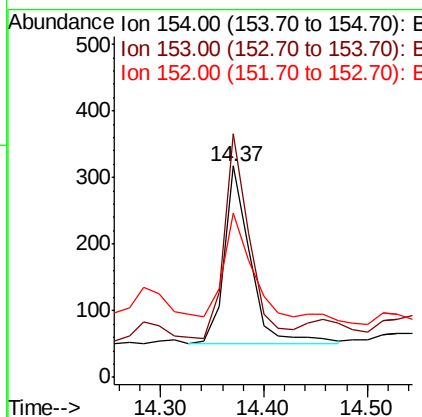
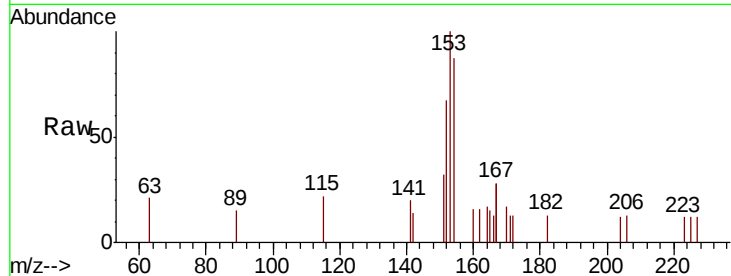
#17
Acenaphthene
Concen: 0.085 ng
RT: 14.37 min Scan# 913
Delta R.T. -0.01 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
154	100		
153	110.0	93.4	140.2
152	68.3	49.4	74.2

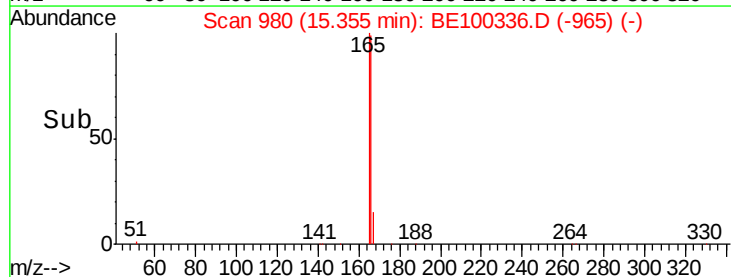
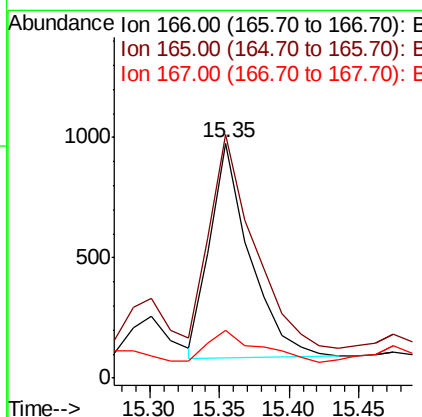
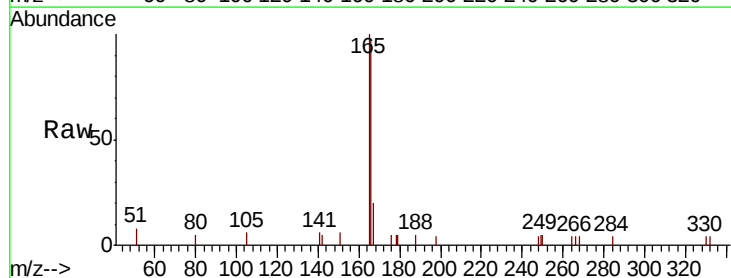
Manual Integrations
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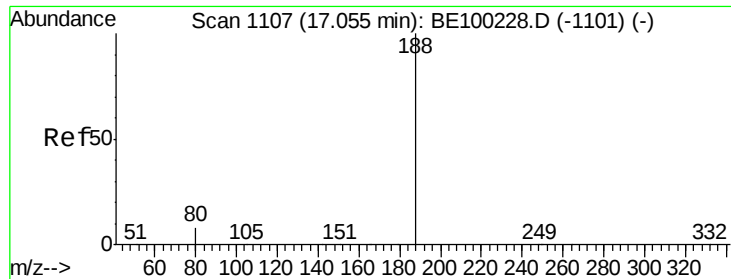
mohammad
7/5/2019 8:54:19 AM



#18
Fluorene
Concen: 0.222 ng
RT: 15.35 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.4	81.1	121.7
167	18.3	10.7	16.1#





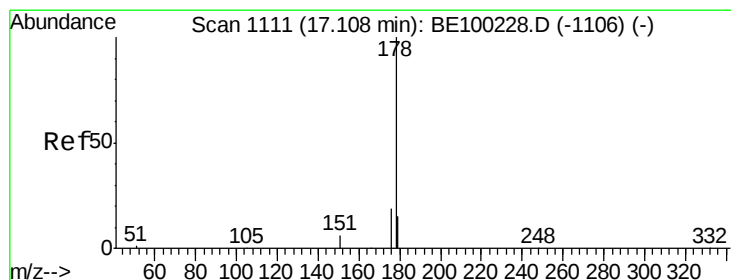
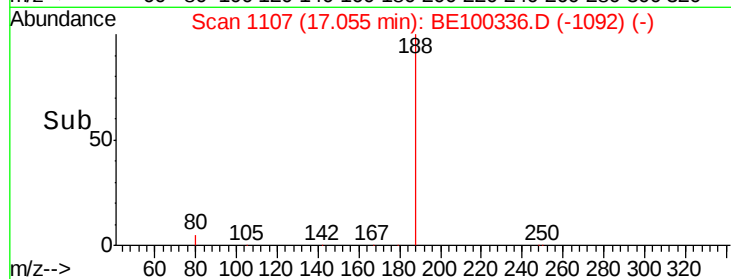
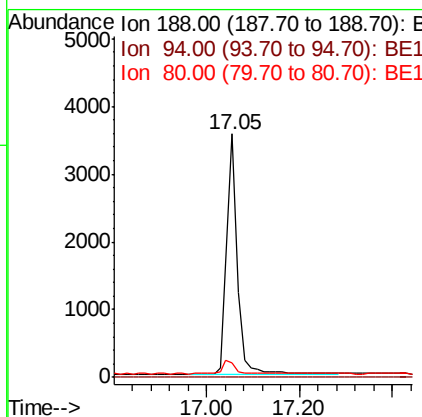
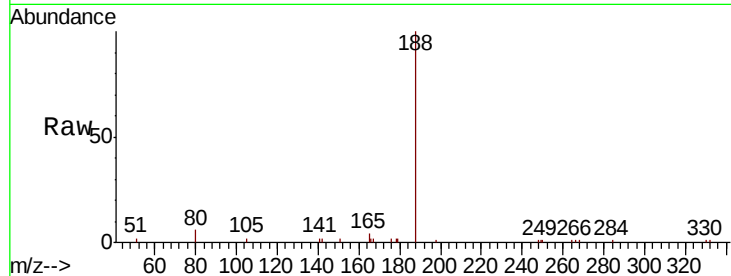
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5730		
94	0.0	0.0	0.0	
80	6.1	7.6	11.4	

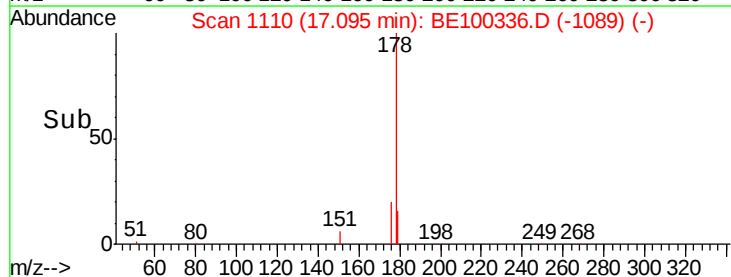
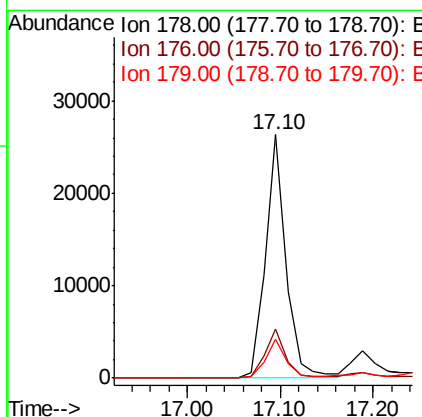
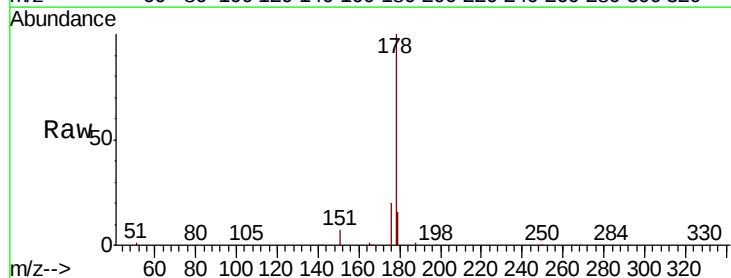
Manual Integrations
APPROVED

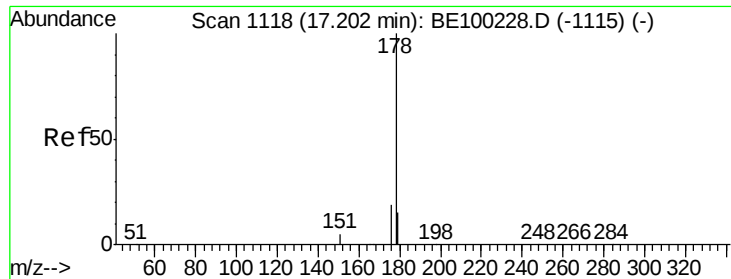
mohammad
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#23
Phenanthrene
Concen: 2.898 ng
RT: 17.10 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	40248		
176	19.8	15.9	23.9	
179	15.4	12.2	18.2	





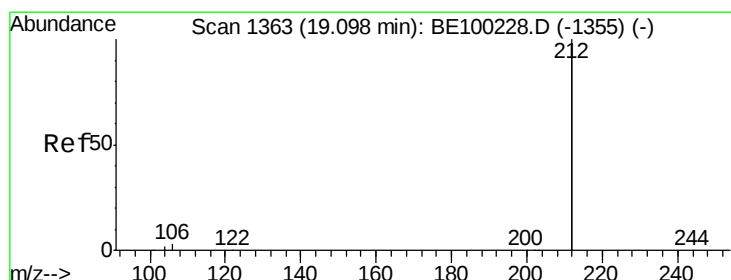
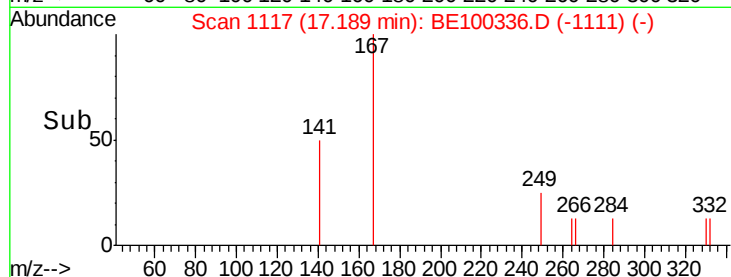
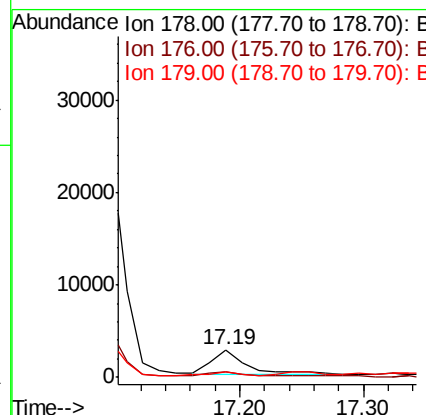
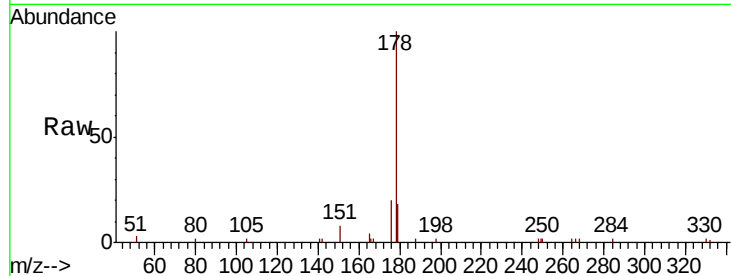
#24
 Anthracene
 Concen: 0.404 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100336.D
 Acq: 3 Jul 2019 19:40

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.3	22.9
179	12.1	12.2	18.2#

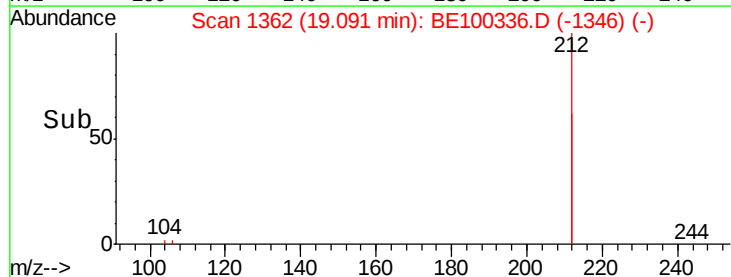
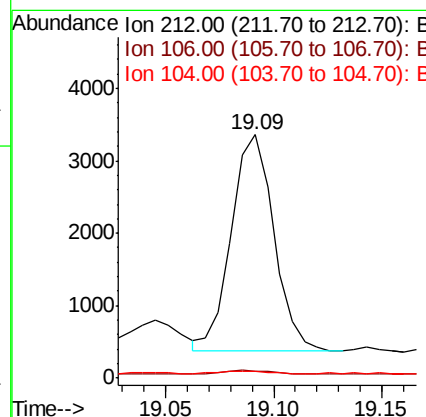
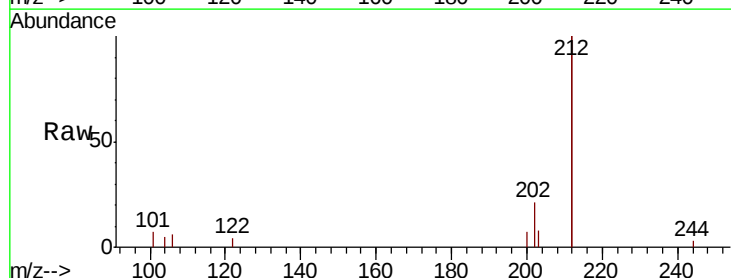
Manual Integrations
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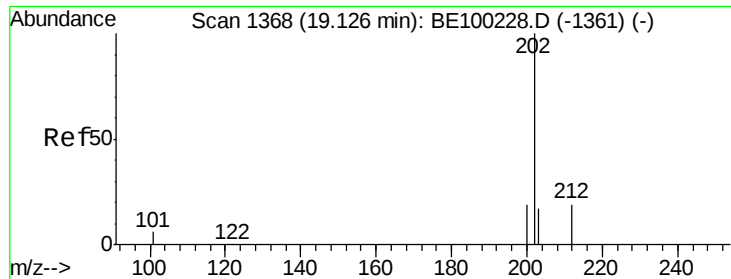
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.049 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100336.D
 Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.3	1.9
104	1.2	0.8	1.2#





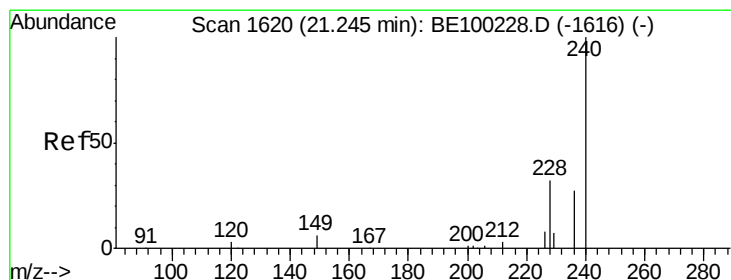
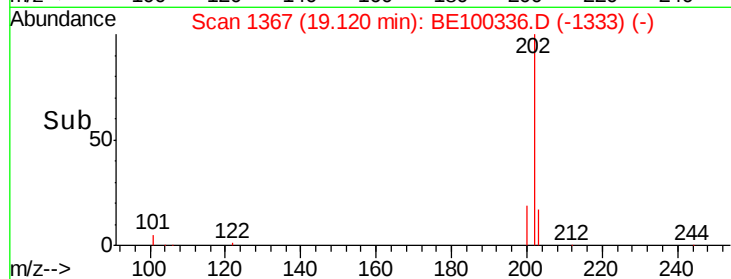
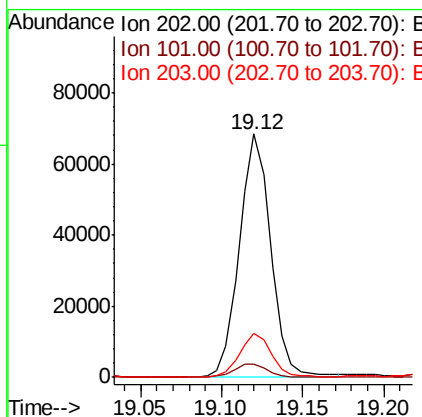
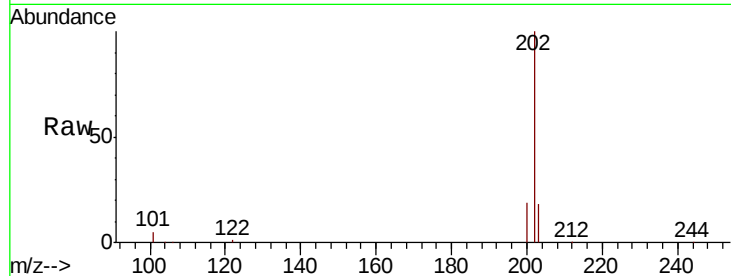
#26
Fluoranthene
Concen: 4.127 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.6	7.0
203	17.7	13.7	20.5

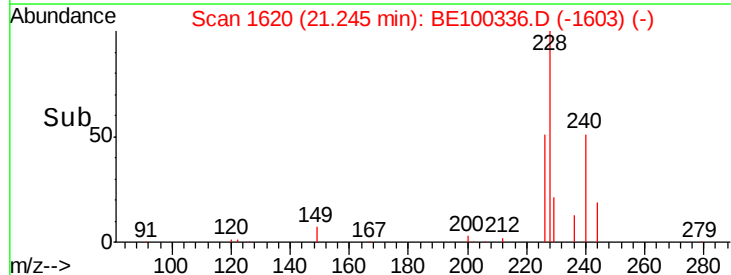
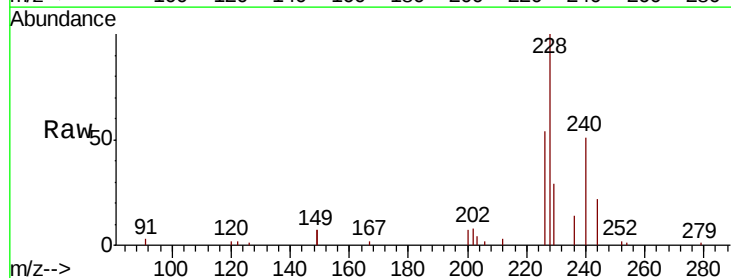
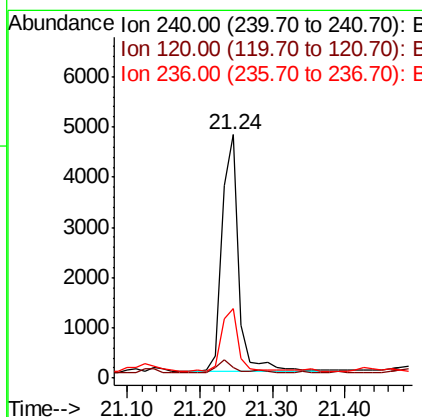
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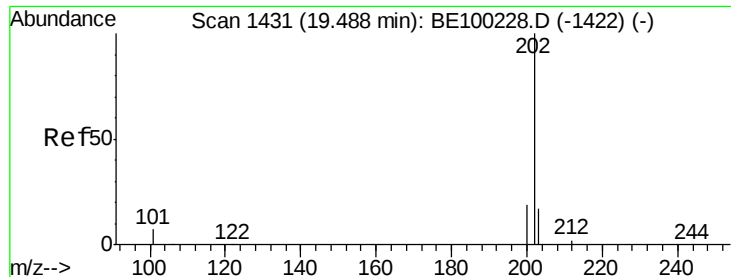
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.2	3.3	4.9
236	28.5	22.6	34.0





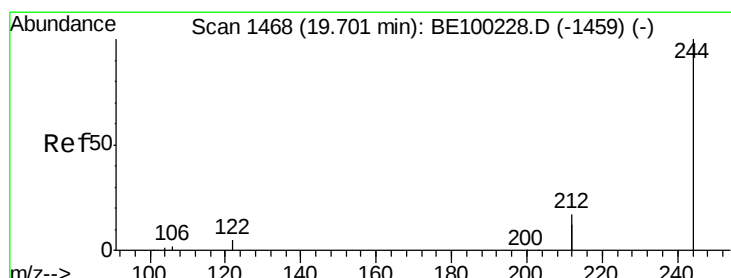
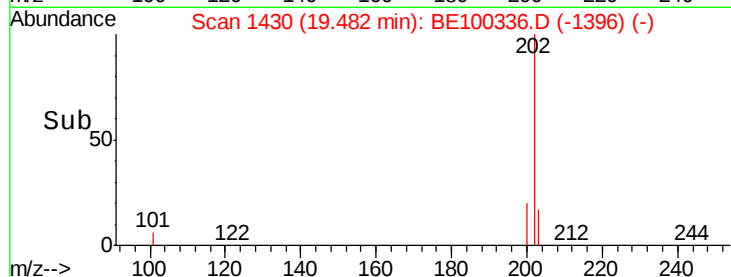
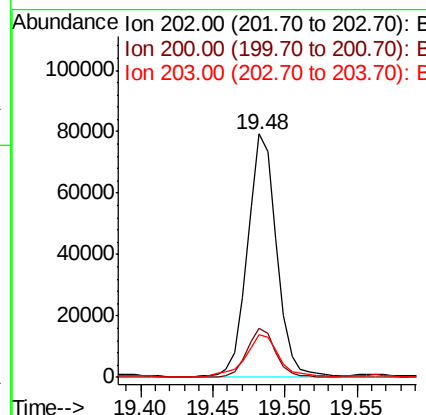
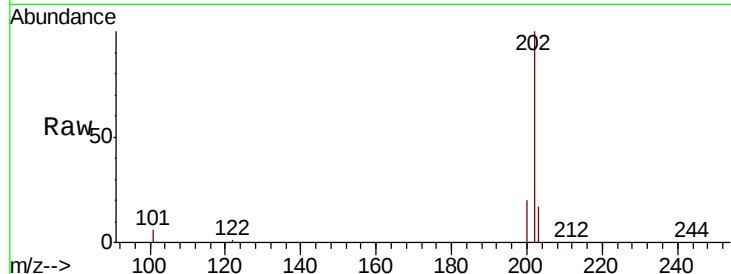
#28
Pvrene
Concen: 5.456 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.7	15.6	23.4	
203	19.7	14.0	21.0	

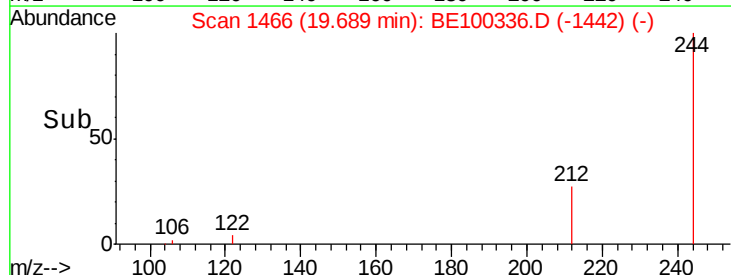
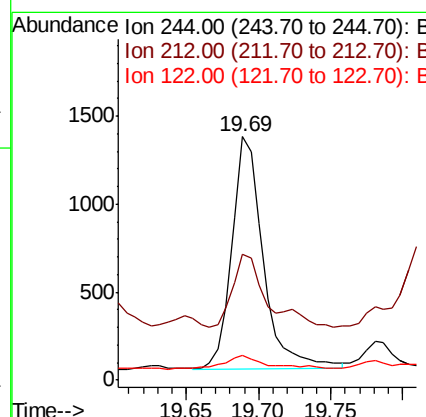
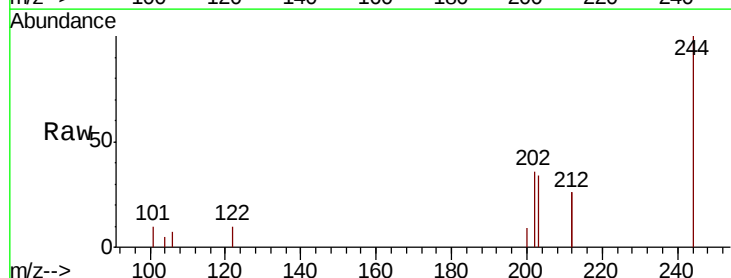
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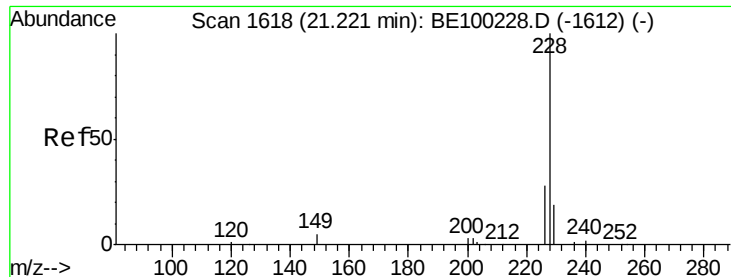
mohammad
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#29
Terphenyl-d14
Concen: 0.125 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	51.7	27.3	40.9#	
122	10.0	4.7	7.1#	





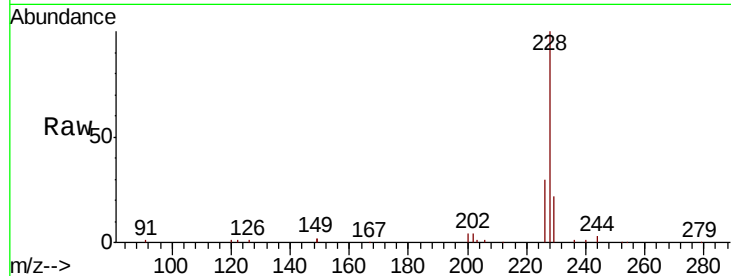
#30
Benzo(a)anthracene
Concen: 2.202 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.2	34.8
229	22.3	15.7	23.5

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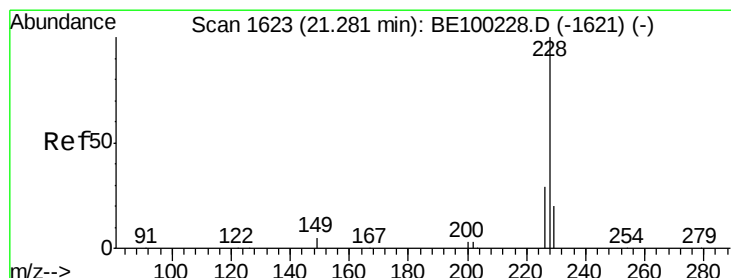
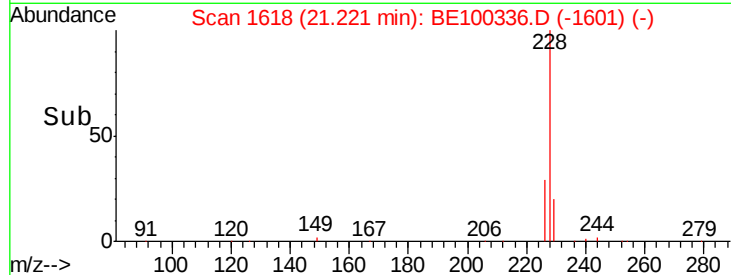
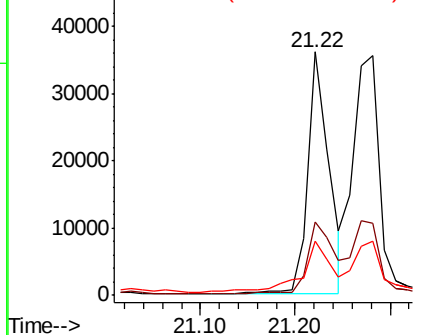


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 2.614 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

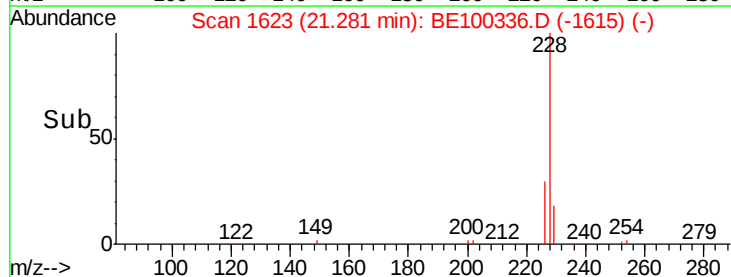
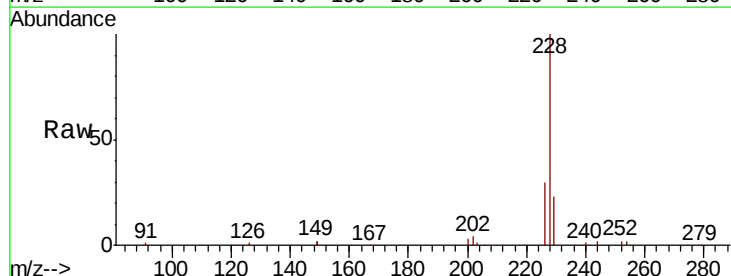
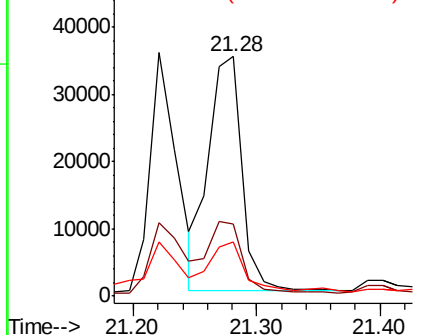
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	22.6	16.5	24.7

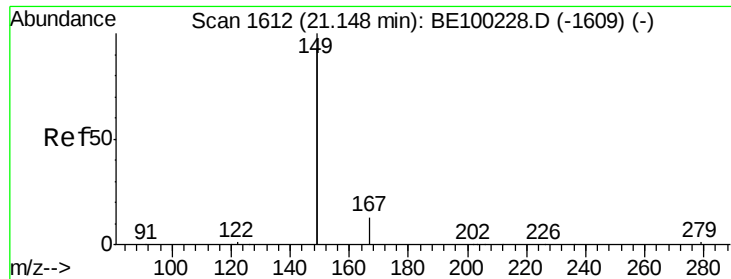
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.158 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Instrument :

BNA_E

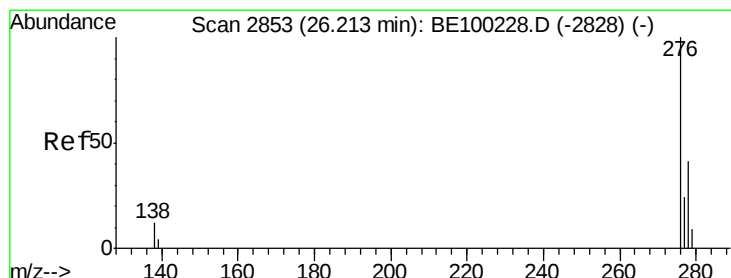
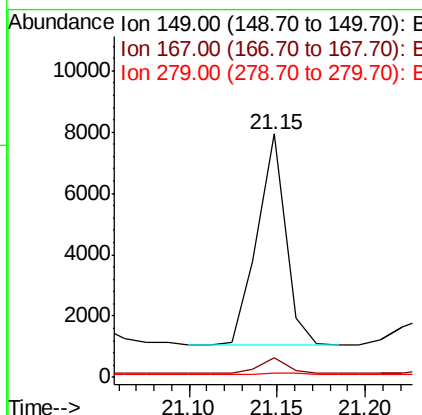
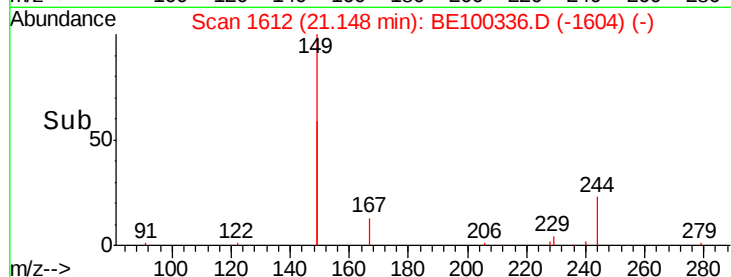
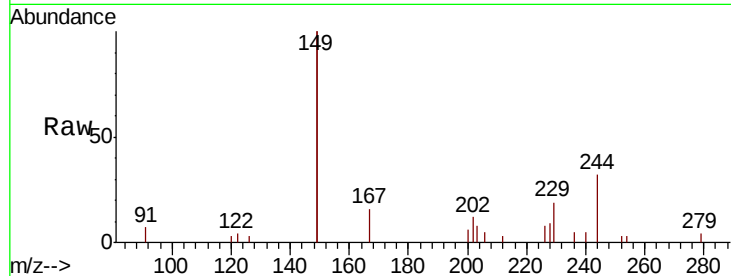
ClientSampleId :

EXT-009-SW145-062419

Tot Ion:	149	Resp:	7730
Ion Ratio	Lower	Upper	
149	100		
167	7.6	5.8	8.8
279	2.1	1.1	1.7#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.123 ng

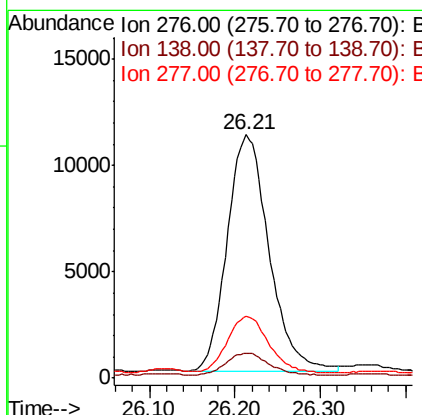
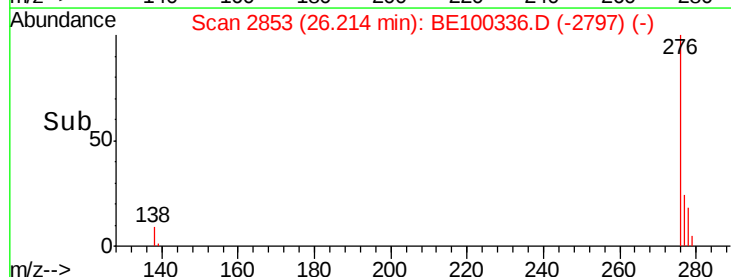
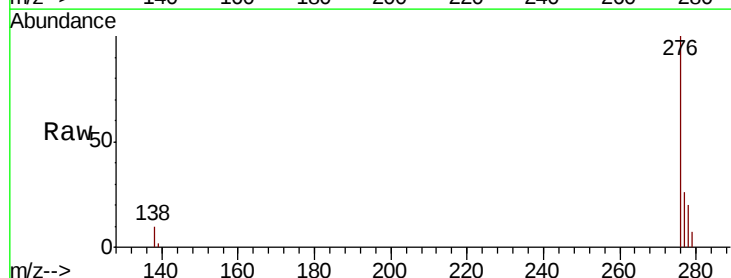
RT: 26.21 min Scan# 2853

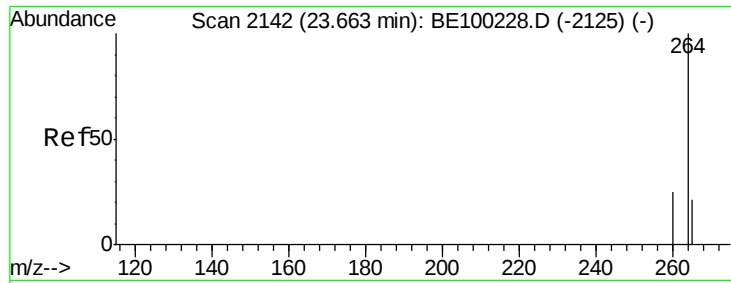
Delta R.T. 0.00 min

Lab File: BE100336.D

Acq: 3 Jul 2019 19:40

Tgt Ion:	276	Resp:	37765
Ion Ratio	Lower	Upper	
276	100		
138	9.1	9.4	14.0#
277	23.5	19.2	28.8





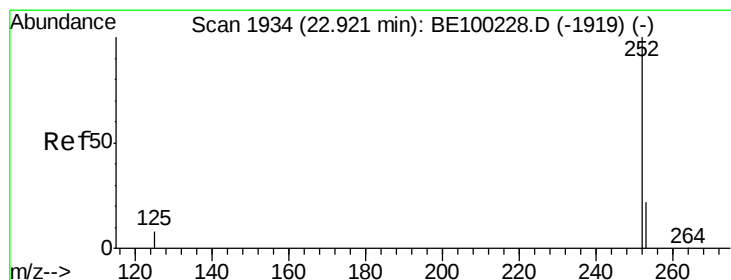
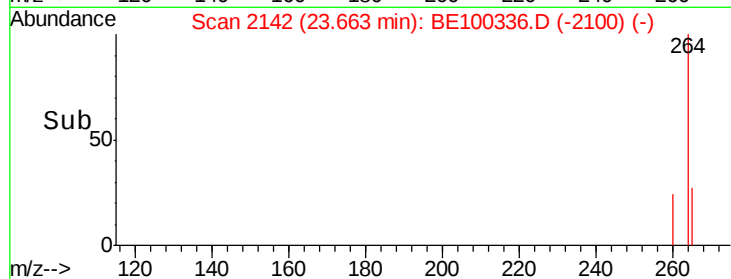
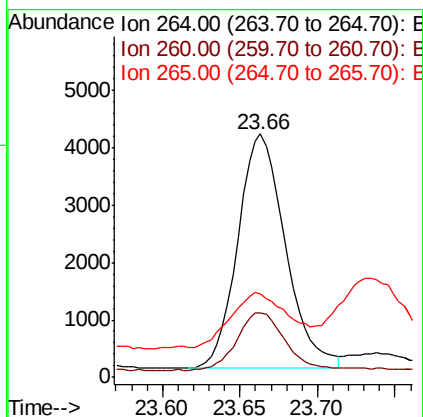
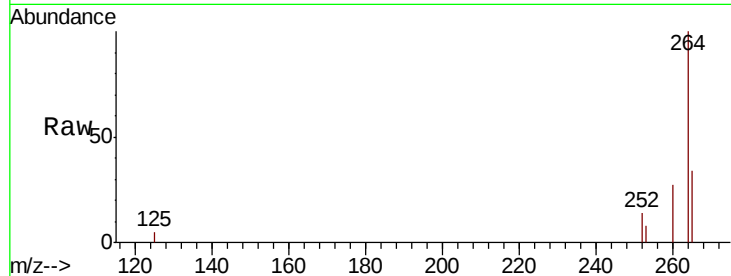
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2142
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	34.4	21.8	32.6

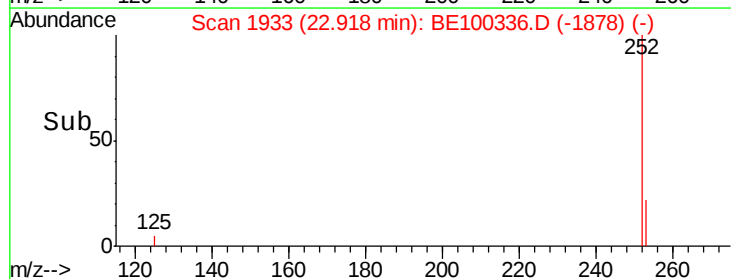
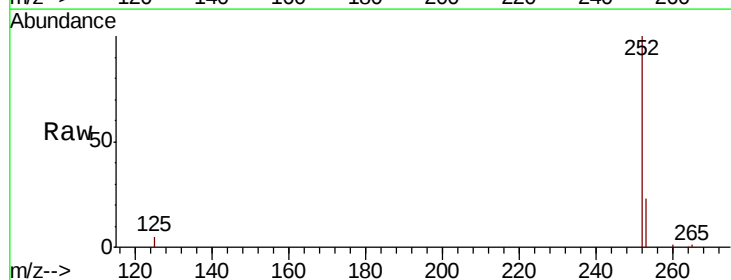
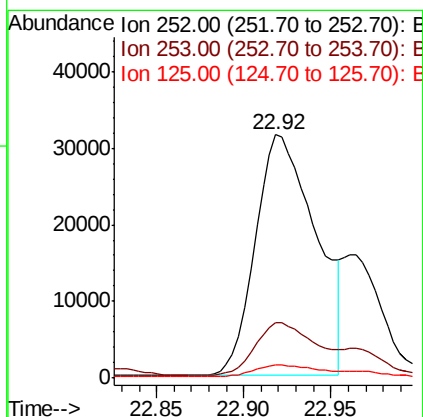
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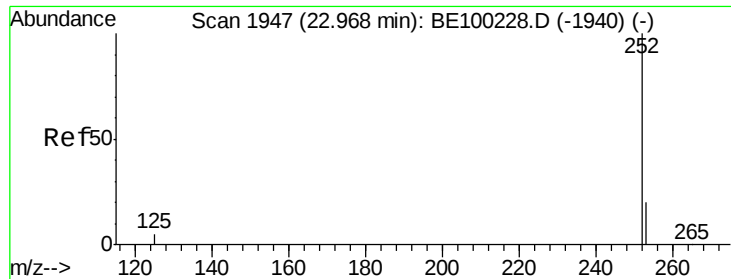
mohammad
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#35
Benzo(b)fluoranthene
Concen: 3.216 ng
RT: 22.92 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	5.4	7.4	11.0





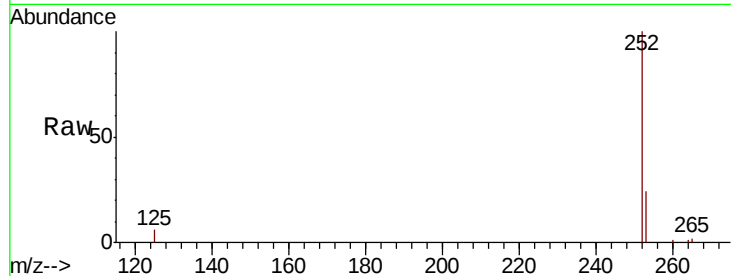
#36
Benzo(k)fluoranthene
Concen: 0.977 ng m
RT: 22.96 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	5.5	5.0	7.4

Manual Integrations
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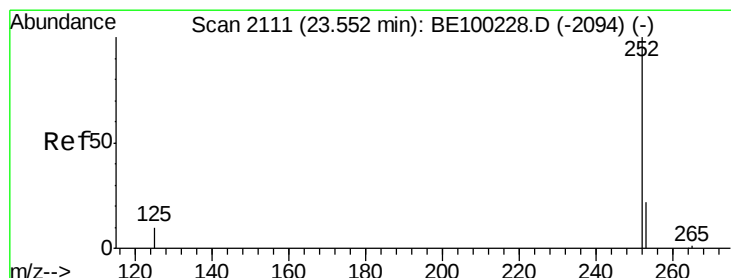
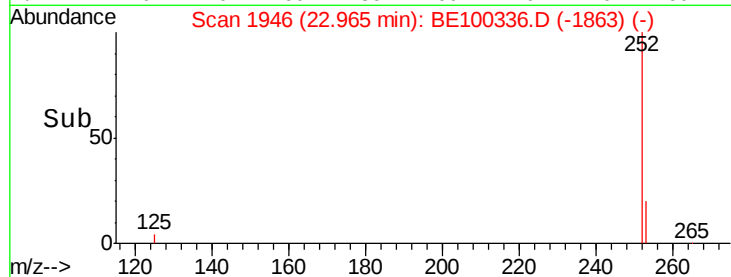
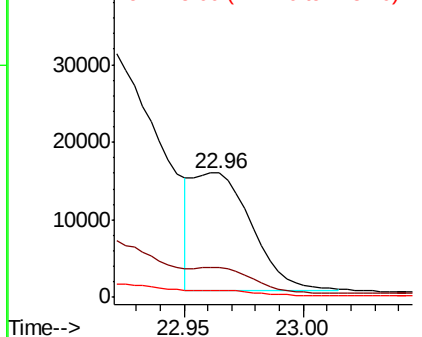


Abundance

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



#37
Benzo(a)pyrene
Concen: 2.059 ng m
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

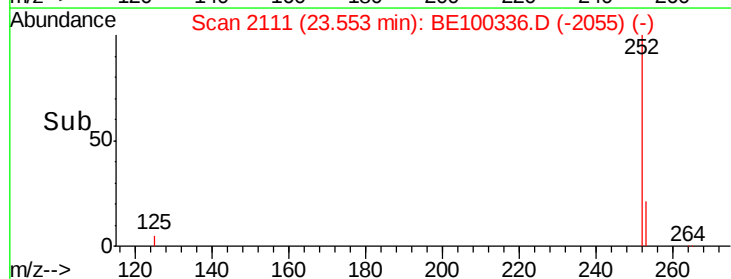
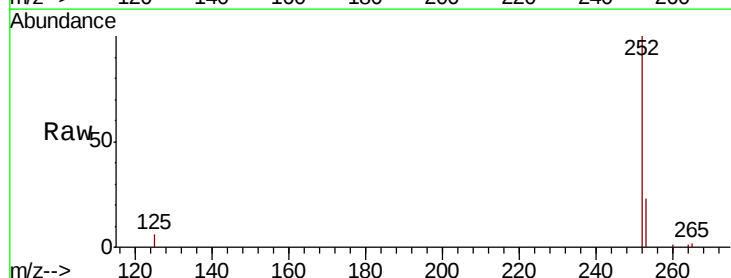
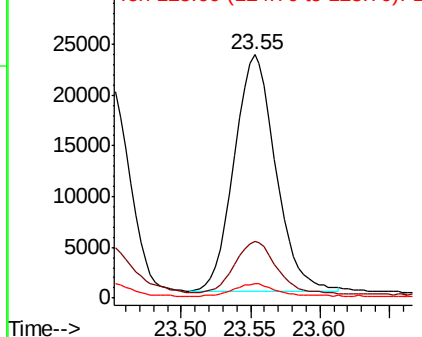
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.6	29.4
125	5.7	9.0	13.6

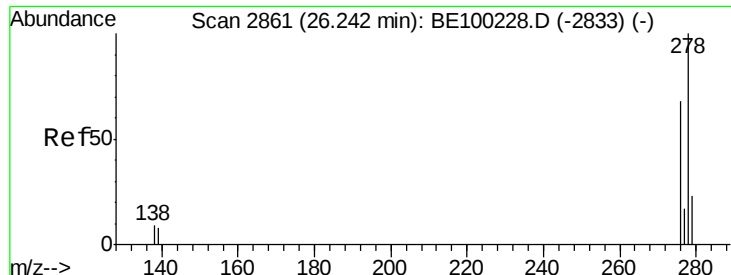
Abundance

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





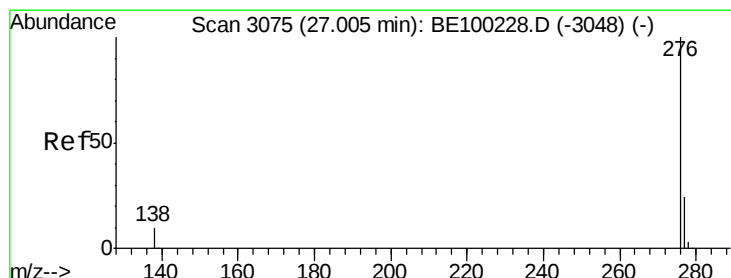
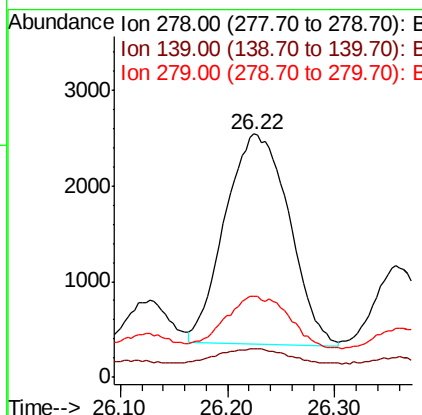
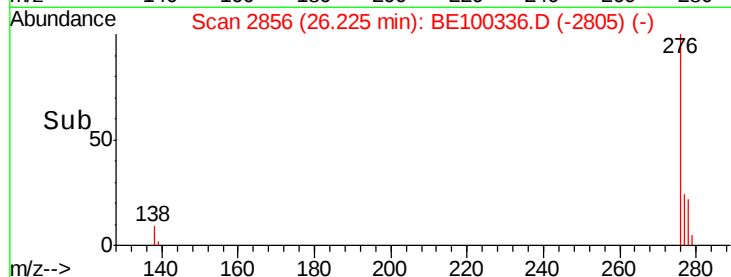
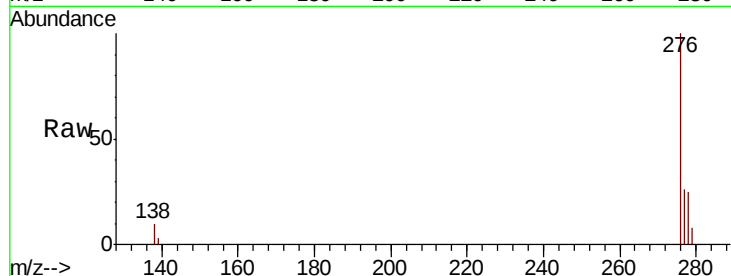
#38
Dibenzo(a,h)anthracene
Concen: 0.369 ng
RT: 26.22 min Scan# 2856
Delta R.T. -0.02 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW145-062419

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.6	8.2	12.2
279	33.4	20.3	30.5

Manual Integrations
APPROVED

mohammad
7/5/2019 8:54:19 AM



#39
Benzo(g,h,i)perylene
Concen: 1.686 ng
RT: 27.00 min Scan# 3074
Delta R.T. -0.00 min
Lab File: BE100336.D
Acq: 3 Jul 2019 19:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.2	30.2
138	10.2	9.0	13.6

