

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100343.D
 Acq On : 3 Jul 2019 23:57
 Operator : JU/SJ
 Sample : K3560-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW147-062419

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:44 AM

Quant Time: Jul 04 01:45:49 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	7.63	152	639	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	2142	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1801	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	5727	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7488	0.40	ng	0.00
34) Perylene-d12	23.66	264	8894	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	601	0.37	ng	-0.01
5) Phenol-d6	6.83	99	817	0.38	ng	-0.01
8) Nitrobenzene-d5	8.81	82	695	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1499	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	507	0.40	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2340	0.33	ng	-0.01
25) Fluoranthene-d10	19.09	212	24767	0.30	ng	0.00
29) Terphenyl-d14	19.69	244	5587	0.36	ng	-0.01
Target Compounds						
9) Naphthalene	10.48	128	1155	0.049	ng	# 83
12) 2-Methylnaphthalene	12.11	142	178	0.043	ng	# 85
16) Acenaphthylene	14.04	152	1319	0.153	ng	98
17) Acenaphthene	14.37	154	247	0.050	ng	# 83
18) Fluorene	15.35	166	498	0.069	ng	# 96
23) Phenanthrene	17.09	178	15400	1.109	ng	100
24) Anthracene	17.19	178	2161	0.173	ng	99
26) Fluoranthene	19.12	202	37989	1.718	ng	99
28) Pyrene	19.48	202	43599	2.199	ng	96
30) Benzo(a)anthracene	21.22	228	24390	0.991	ng	97
31) Chrysene	21.27	228	28412	1.149	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	4411	0.069	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.21	276	14222	0.435	ng	# 97
35) Benzo(b)fluoranthene	22.92	252	29392	1.219	ng	# 98
36) Benzo(k)fluoranthene	22.96	252	9014m	0.335	ng	
37) Benzo(a)pyrene	23.55	252	20758	0.859	ng	# 97
38) Dibenzo(a,h)anthracene	26.22	278	3597	0.143	ng	# 79
39) Benzo(a,h,i)perylene	27.01	276	15783	0.609	ng	100

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

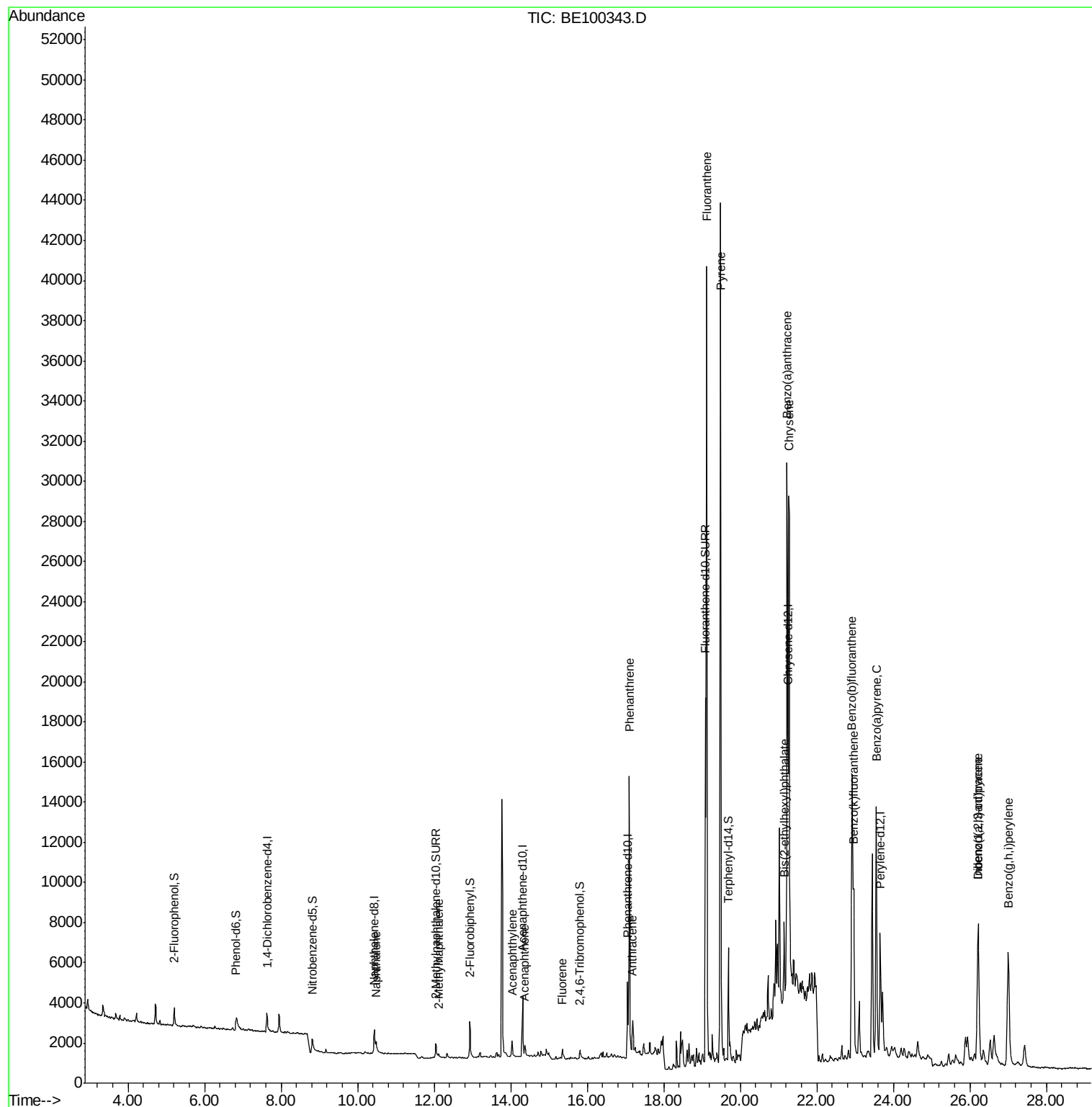
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
Data File : BE100343.D
Acq On : 3 Jul 2019 23:57
Operator : JU/SJ
Sample : K3560-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

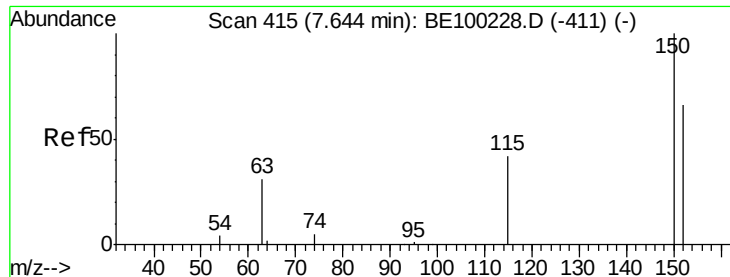
Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

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7/5/2019 8:54:44 AM

Quant Time: Jul 04 01:45:49 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

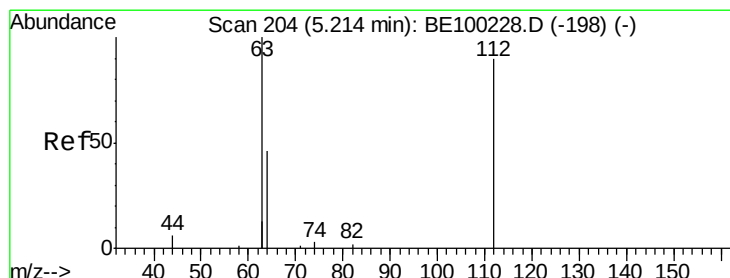
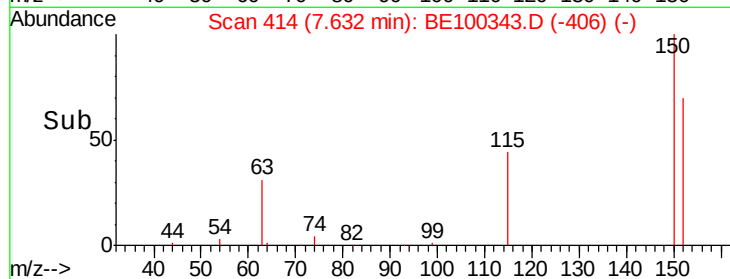
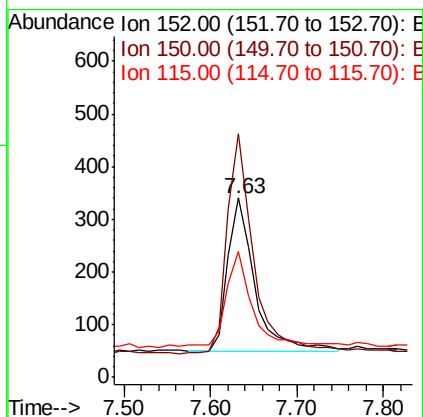
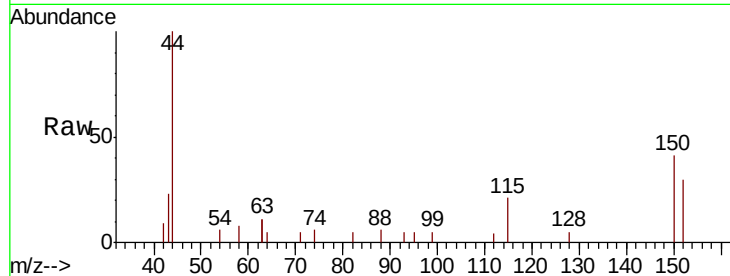
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	135.9	114.5	171.7
115	70.0	57.1	85.7

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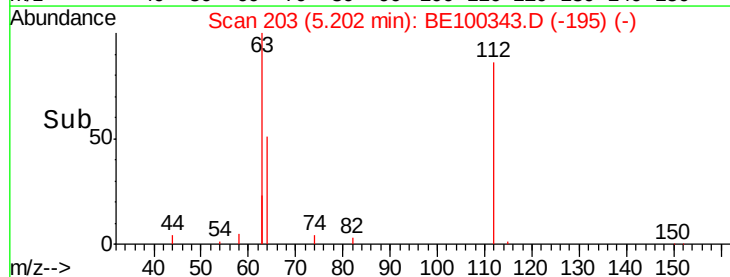
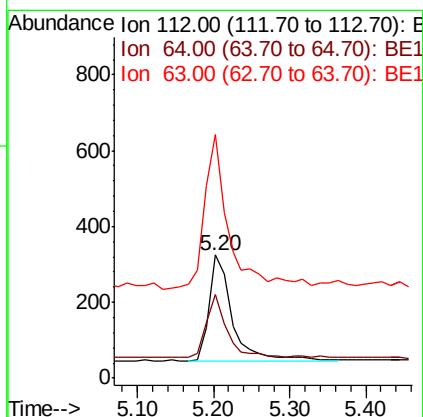
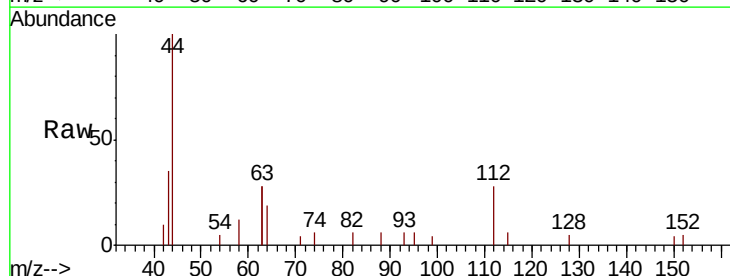
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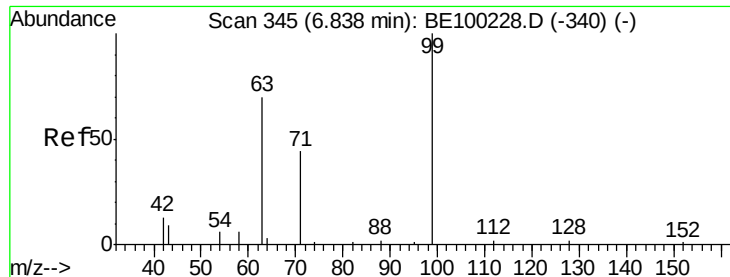


#4

2-Fluorophenol
Concen: 0.369 ng
RT: 5.20 min Scan# 203
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	39.4	59.0
63	146.3	104.5	156.7





#5

Phenol-d6

Concen: 0.381 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

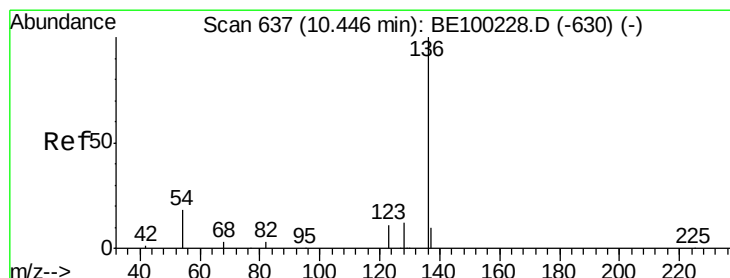
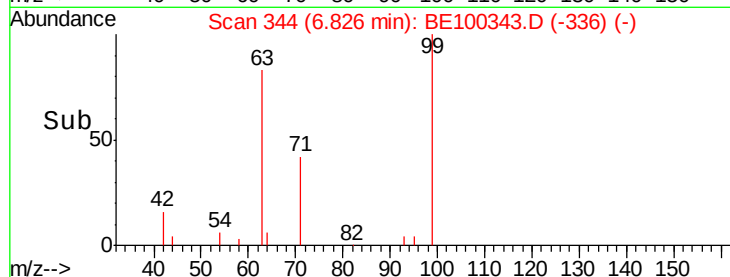
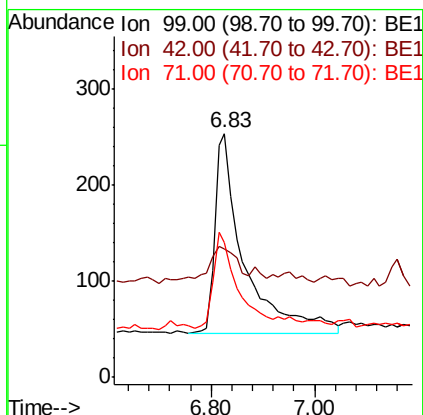
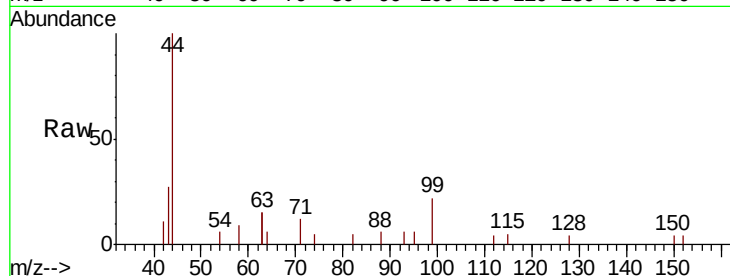
ClientSampleId :

EXT-009-SW147-062419

Tot Ion:	99	Resp:	817
Ion	Ratio	Lower	Upper
99	100		
42	13.6	11.2	16.8
71	38.4	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

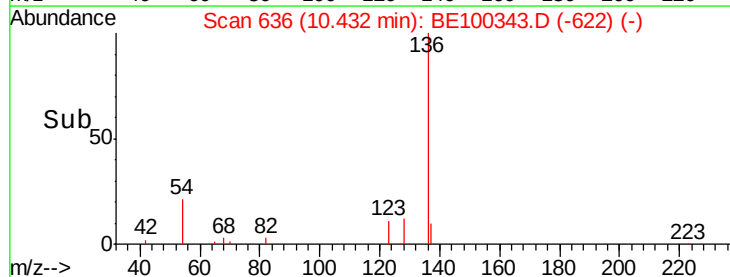
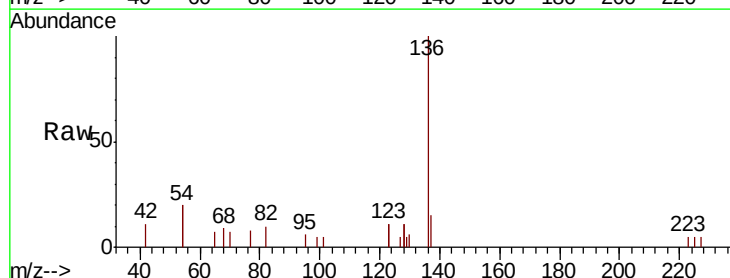
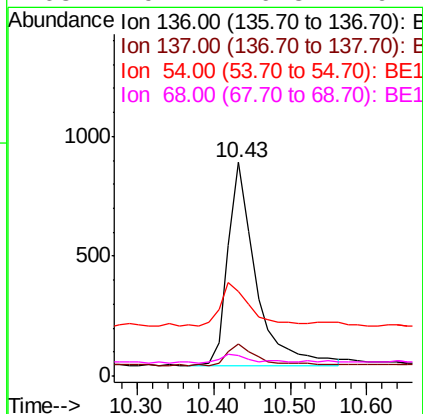
RT: 10.43 min Scan# 636

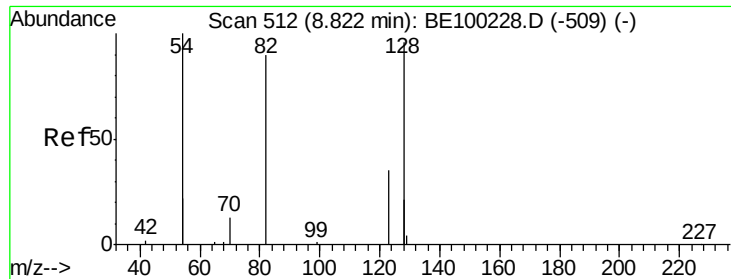
Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Tgt Ion:	136	Resp:	2142
Ion	Ratio	Lower	Upper
136	100		
137	15.0	11.8	17.8
54	39.5	27.7	41.5
68	9.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

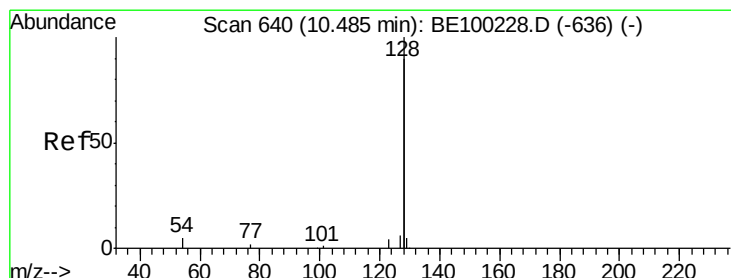
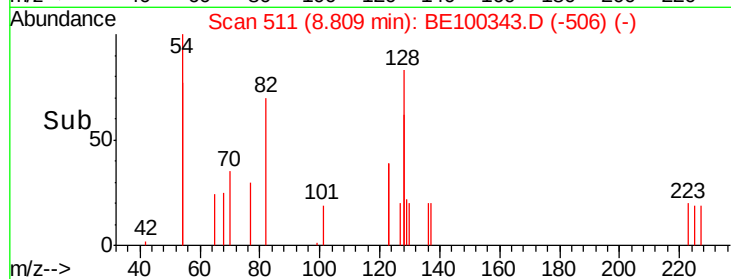
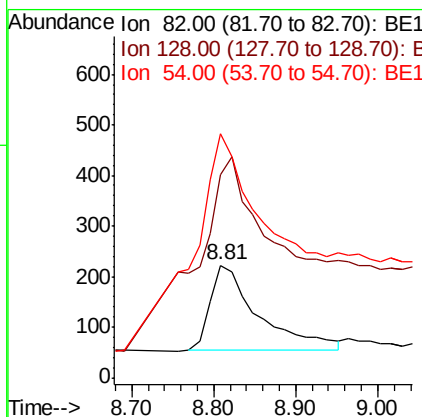
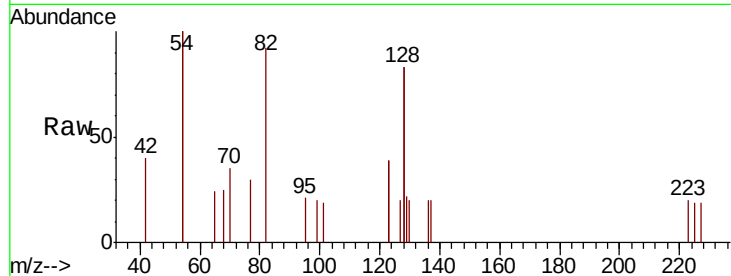
ClientSampleId :

EXT-009-SW147-062419

Tot Ion:	82	Resp:	695
Ion Ratio	Lower	Upper	
82	100		
128	181.1	140.9	211.3
54	217.1	146.2	219.2

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#9

Naphthalene

Concen: 0.049 ng

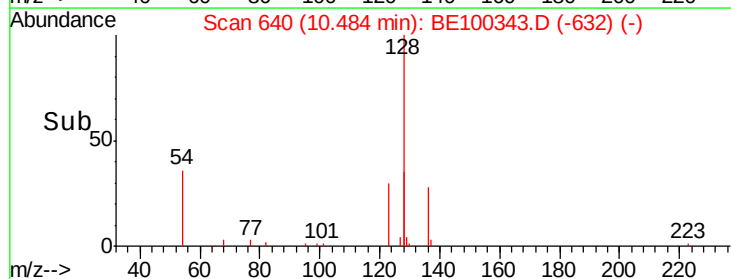
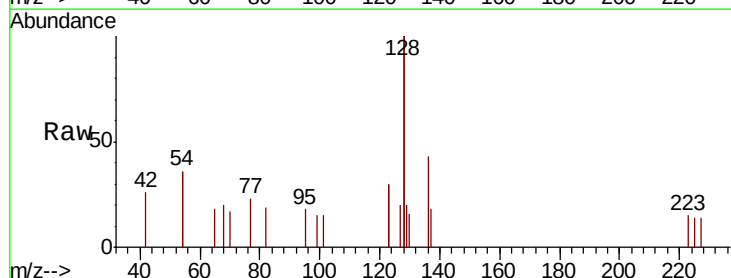
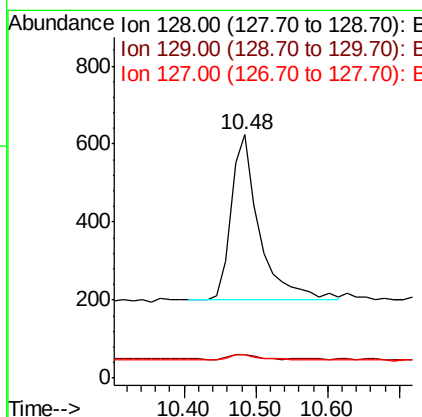
RT: 10.48 min Scan# 640

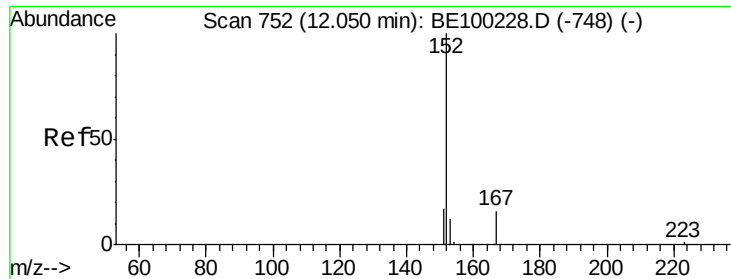
Delta R.T. -0.00 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Tgt Ion:	128	Resp:	1155
Ion Ratio	Lower	Upper	
128	100		
129	9.8	3.0	4.6#
127	9.8	3.5	5.3#





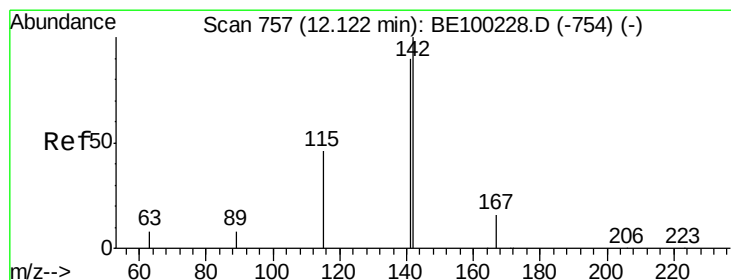
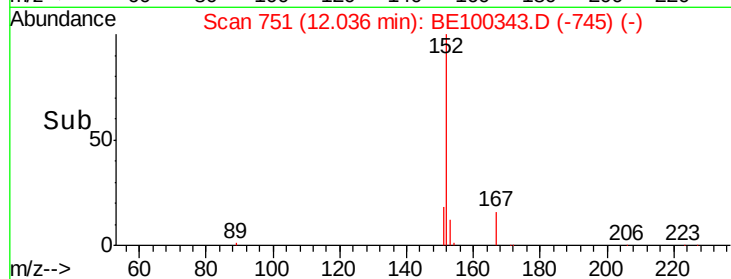
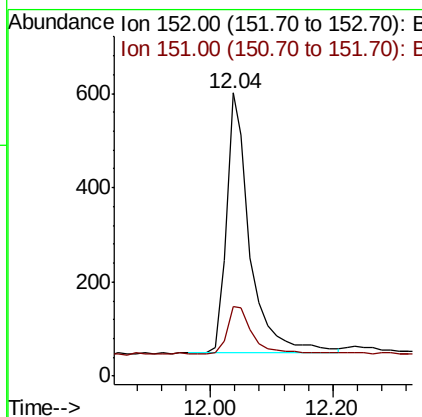
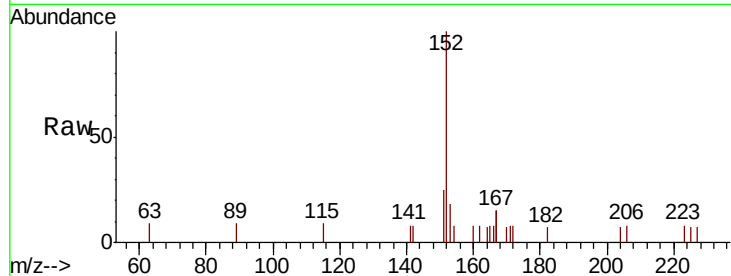
#11
2-Methylnaphthalene-d10
Concen: 0.372 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion:152 Resp: 1499
Ion Ratio Lower Upper
152 100
151 19.5 15.1 22.7

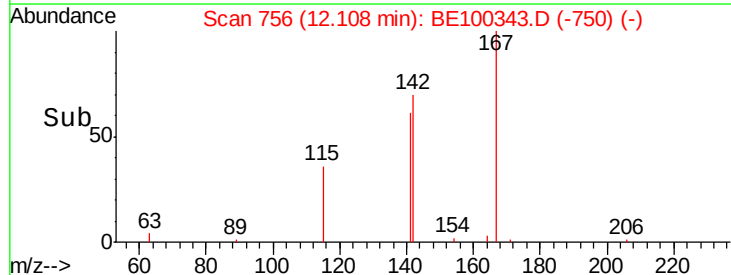
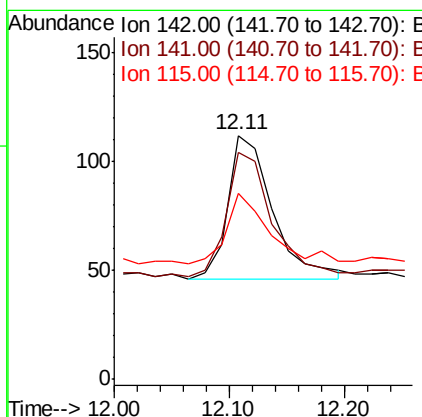
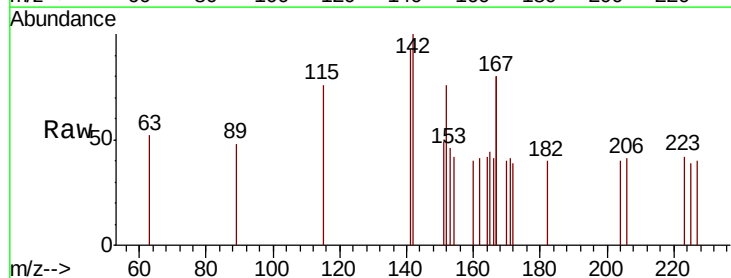
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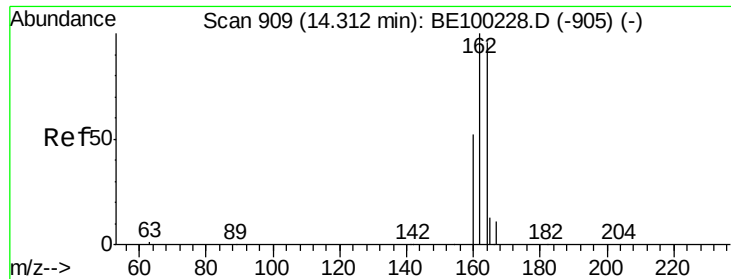
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#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion:142 Resp: 178
Ion Ratio Lower Upper
142 100
141 92.9 72.4 108.6
115 75.9 40.4 60.6#





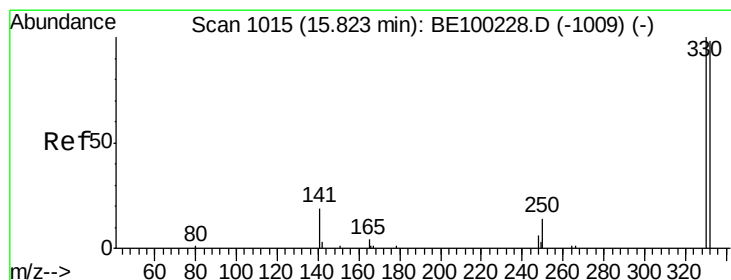
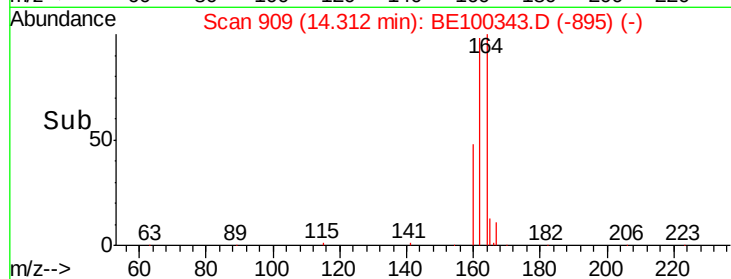
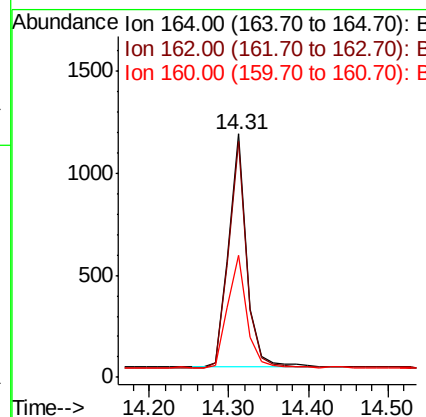
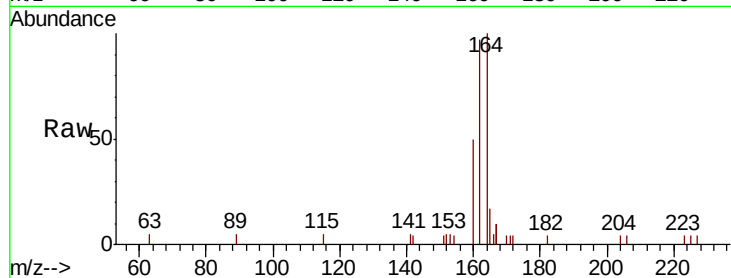
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.1	83.4	125.0
160	49.9	45.0	67.6

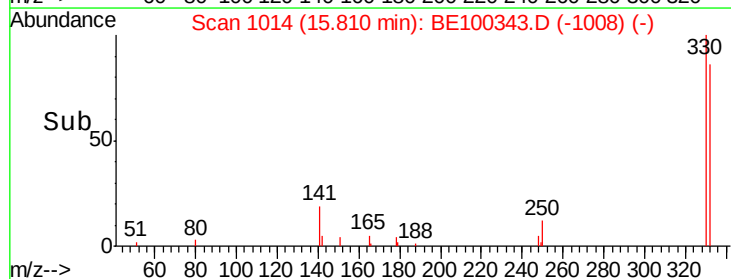
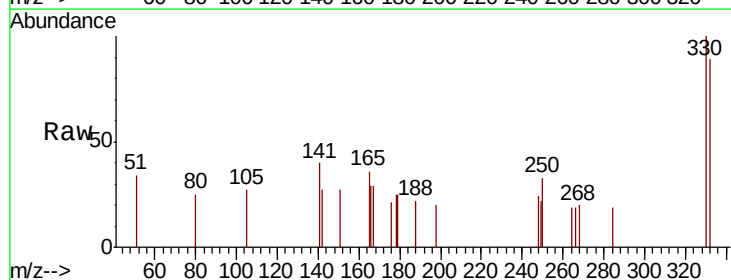
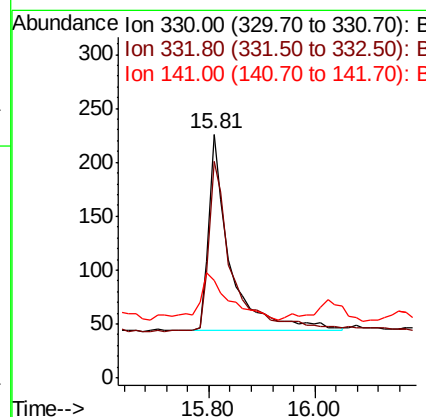
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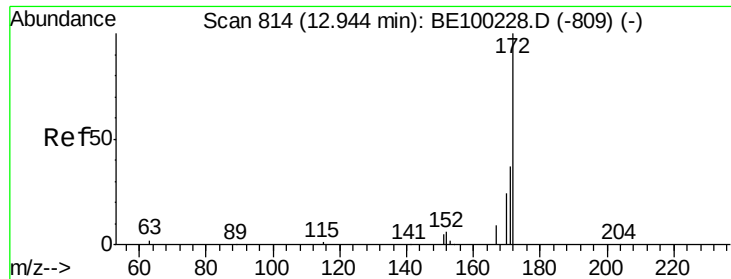
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#14
2,4,6-Tribromophenol
Concen: 0.402 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.4
141	30.2	22.0	33.0





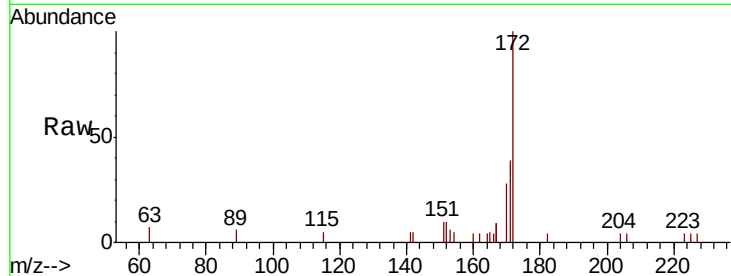
#15
2-Fluorobiphenyl
Concen: 0.333 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.9	47.9
170	28.3	22.2	33.2

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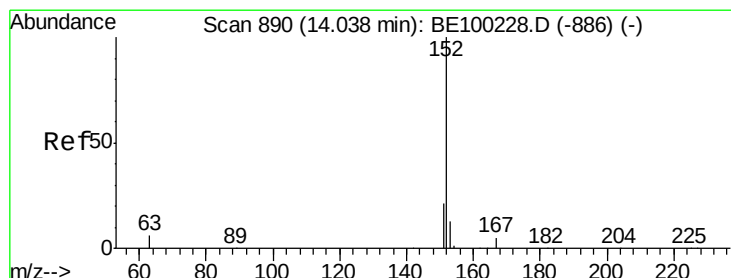
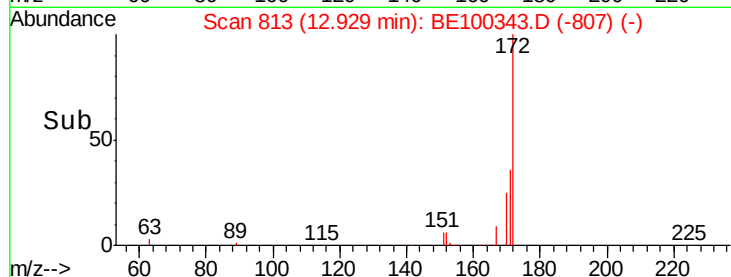
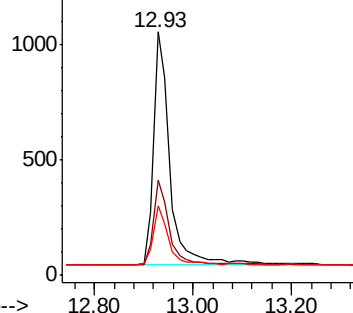


Abundance

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: 0.153 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

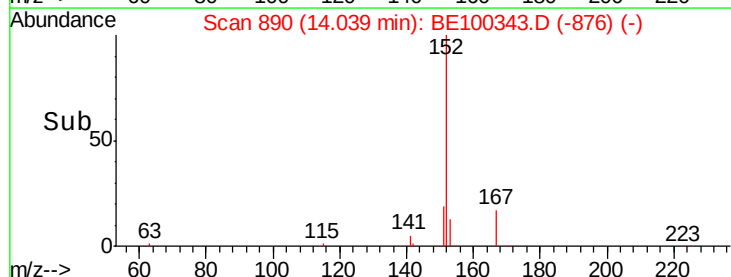
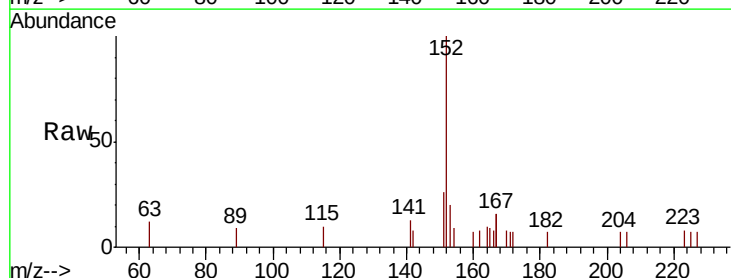
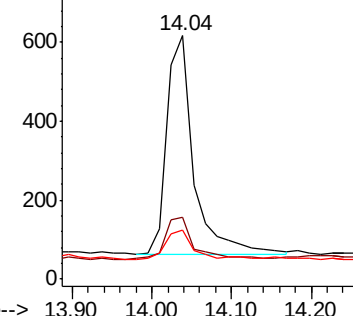
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	14.7	10.5	15.7

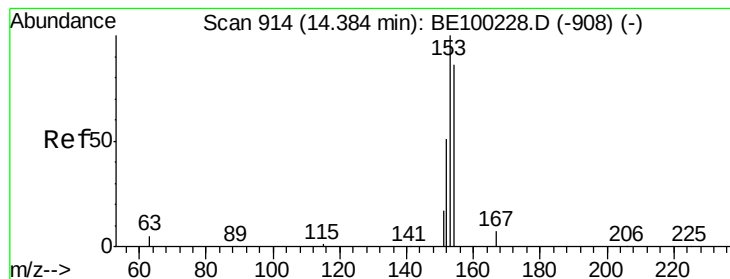
Abundance

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: 0.050 ng

RT: 14.37 min Scan# 913

Delta R.T. -0.01 min

Lab File: BE100343.D

Acq: 3 Jul 2019 23:57

Instrument :

BNA_E

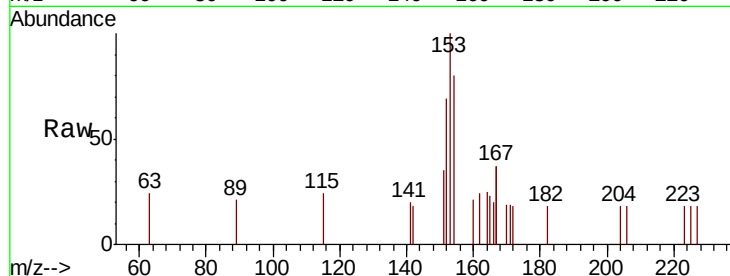
ClientSampleId :

EXT-009-SW147-062419

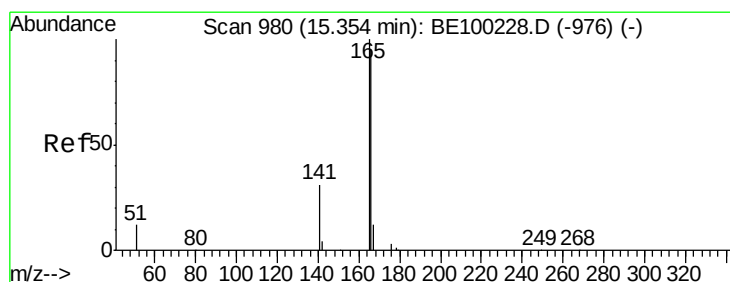
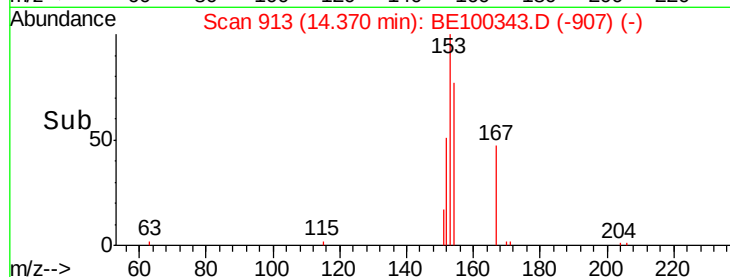
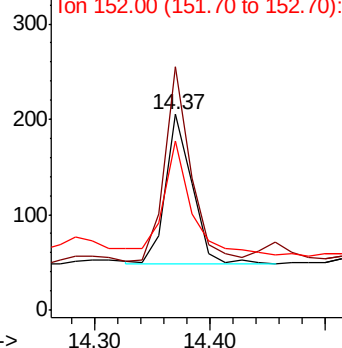
Tot Ion:	154	Resp:	247
Ion Ratio	Lower	Upper	
154	100		
153	130.4	93.4	140.2
152	81.0	49.4	74.2#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.069 ng

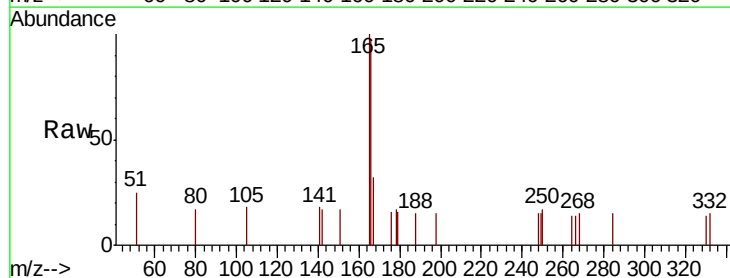
RT: 15.35 min Scan# 980

Delta R.T. 0.00 min

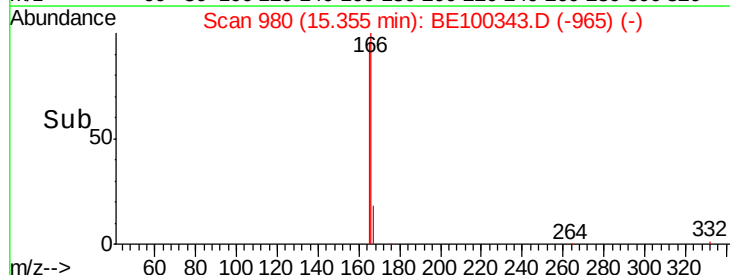
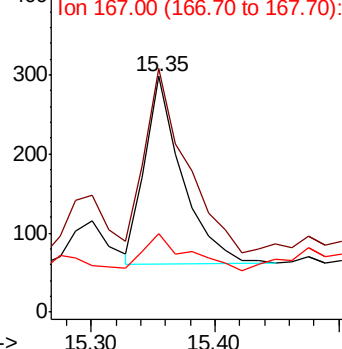
Lab File: BE100343.D

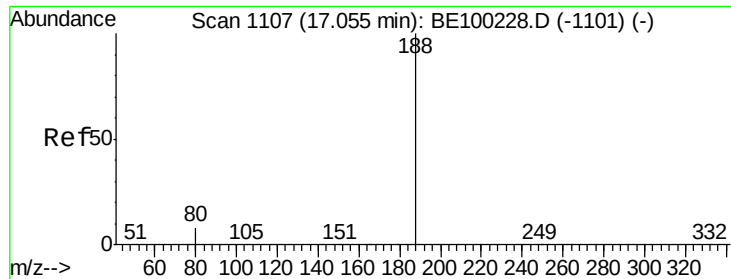
Acq: 3 Jul 2019 23:57

Tgt Ion:	166	Resp:	498
Ion Ratio	Lower	Upper	
166	100		
165	103.2	81.1	121.7
167	22.3	10.7	16.1#



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





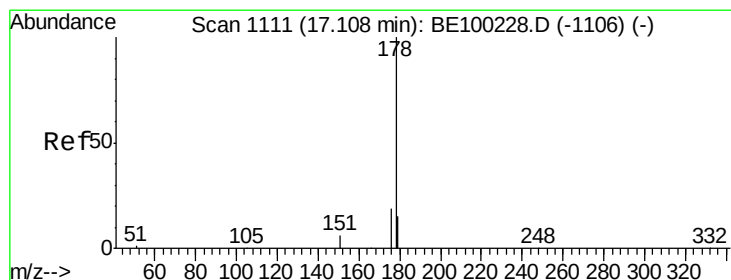
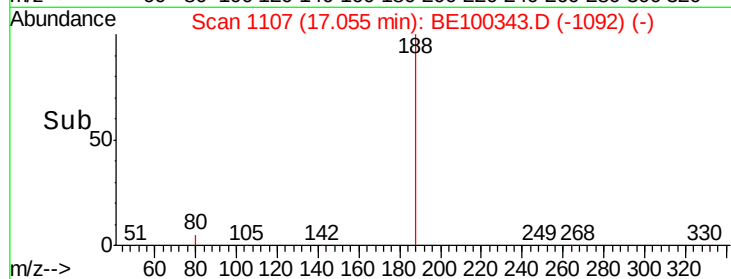
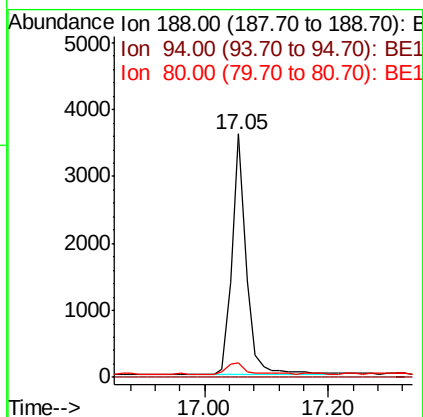
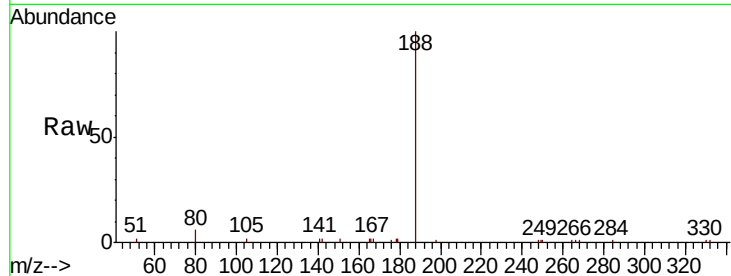
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Resp	Lower	Upper
188	100	5727		
94	0.0	0.0	0.0	
80	6.2	7.6	11.4	

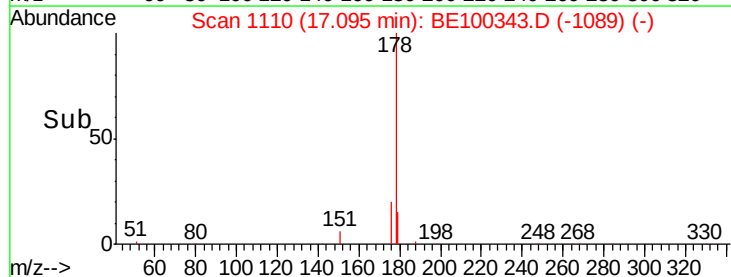
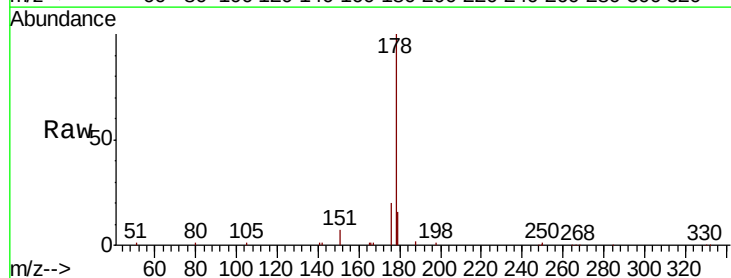
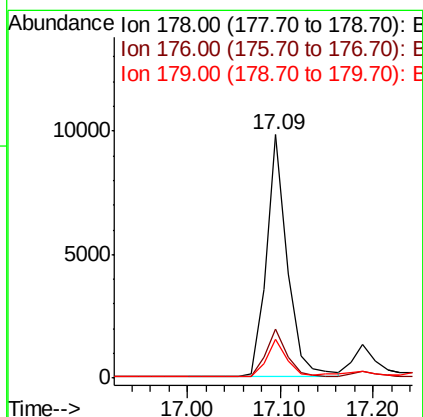
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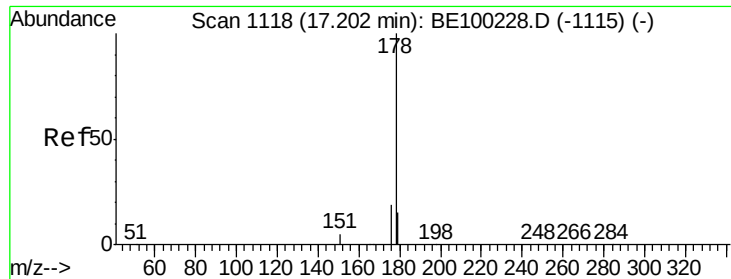
mohammad
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#23
Phenanthrene
Concen: 1.109 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	15400		
176	19.8	15.9	23.9	
179	15.2	12.2	18.2	





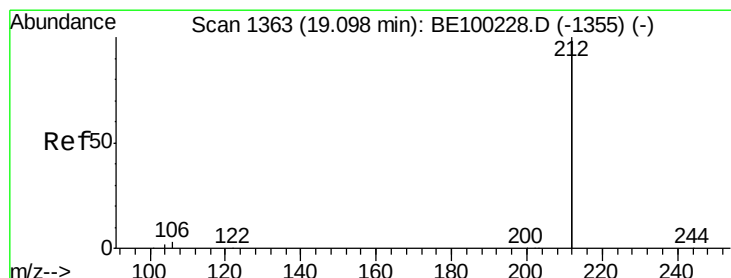
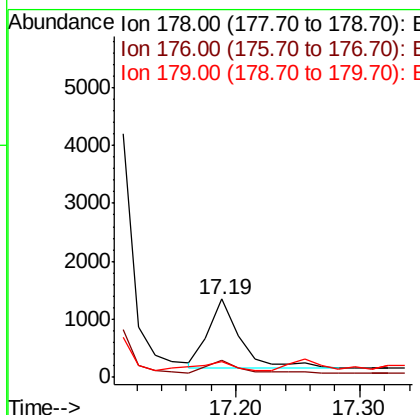
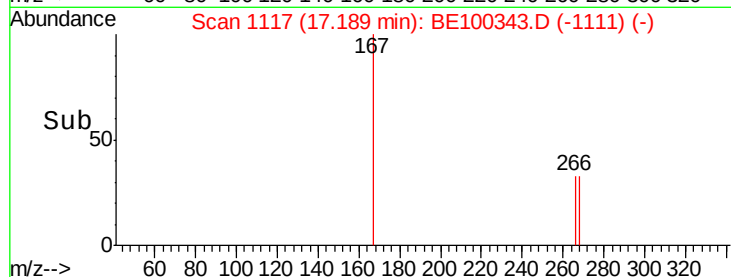
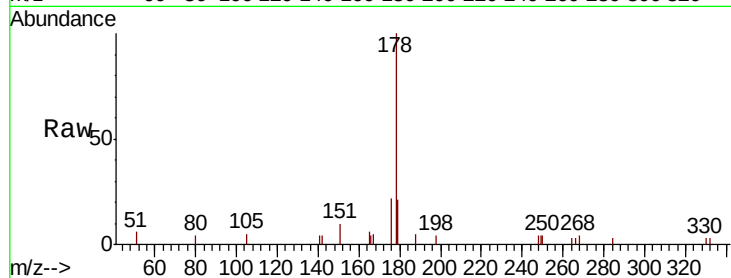
#24
 Anthracene
 Concen: 0.173 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.2	18.2

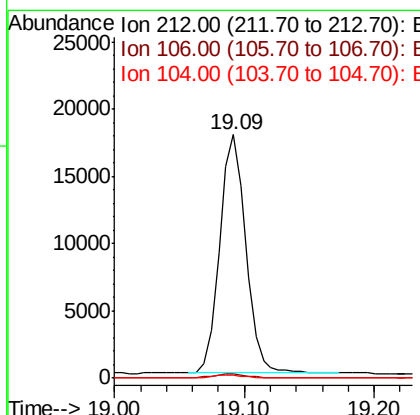
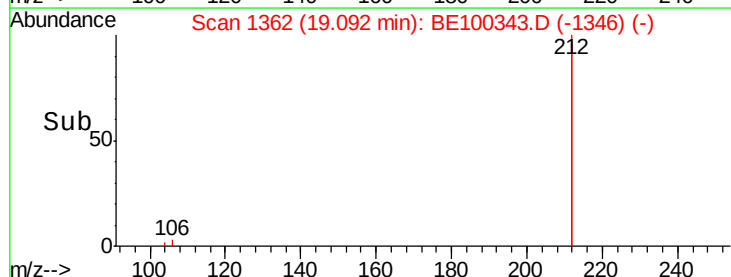
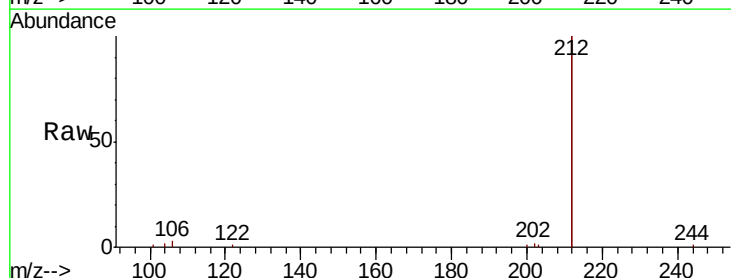
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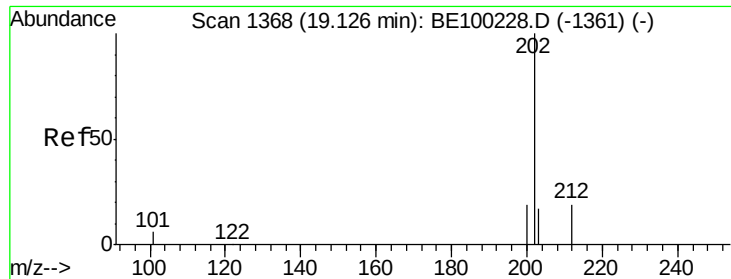
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#25
 Fluoranthene-d10
 Concen: 0.298 ng
 RT: 19.09 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2





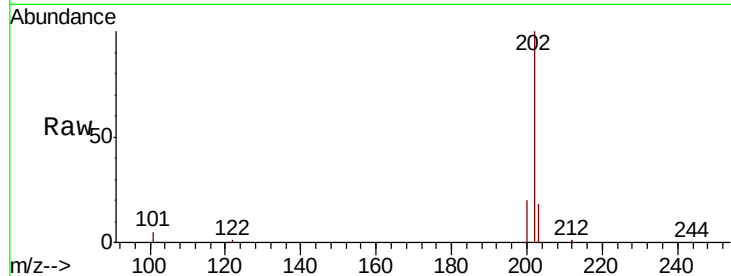
#26
Fluoranthene
Concen: 1.718 ng
RT: 19.12 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.6	7.0
203	17.4	13.7	20.5

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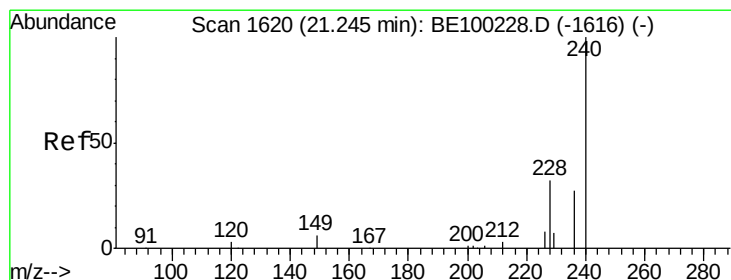
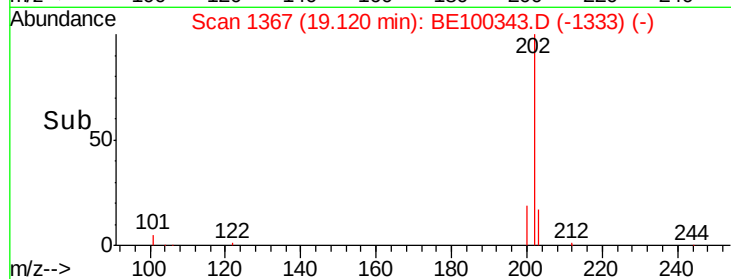
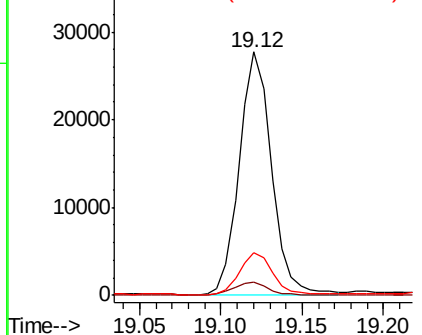


Abundance

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: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

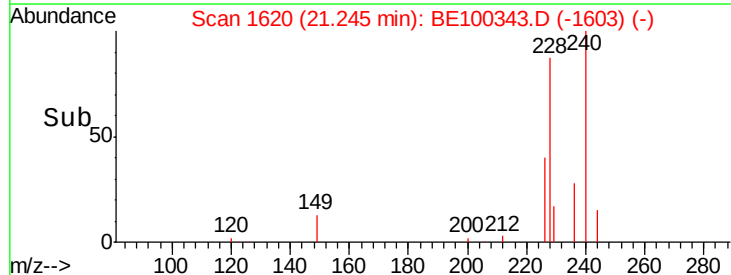
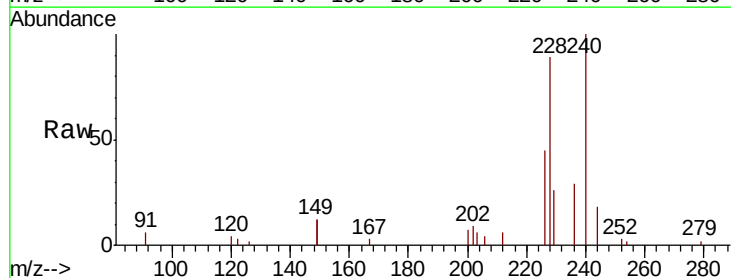
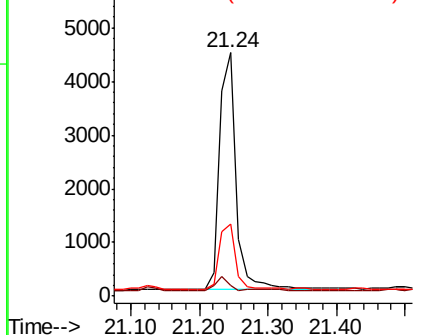
Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.3	3.3	4.9
236	29.5	22.6	34.0

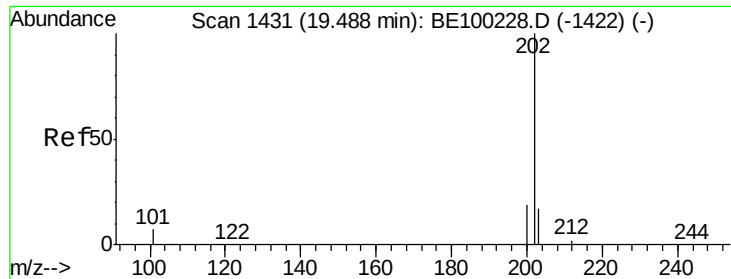
Abundance

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





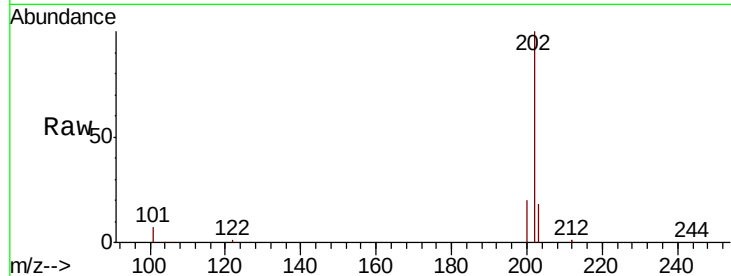
#28
Pvrene
Concen: 2.199 ng
RT: 19.48 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	19.8	15.6	23.4	
203	20.5	14.0	21.0	

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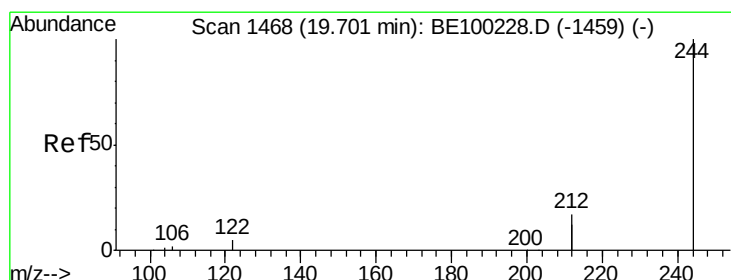
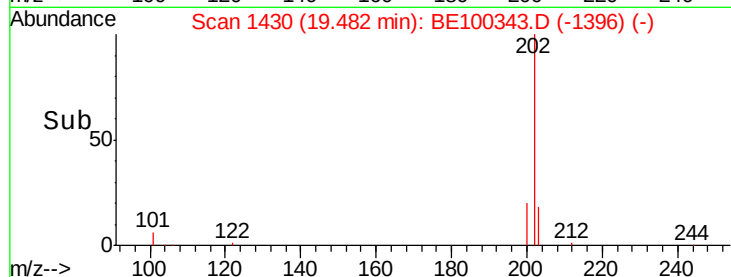
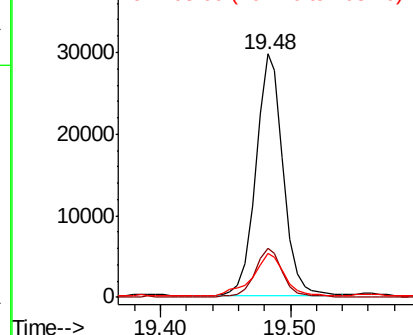


Abundance

Ion 202.00 (201.70 to 202.70): E

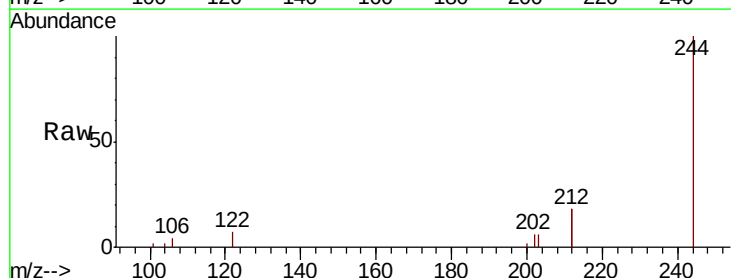
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.360 ng
RT: 19.69 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	36.8	27.3	40.9	
122	6.6	4.7	7.1	

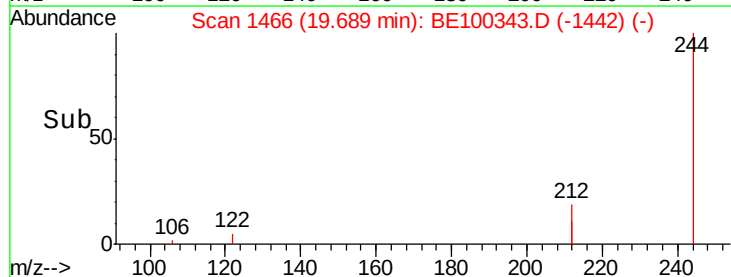
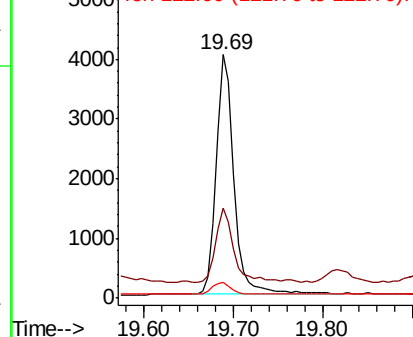


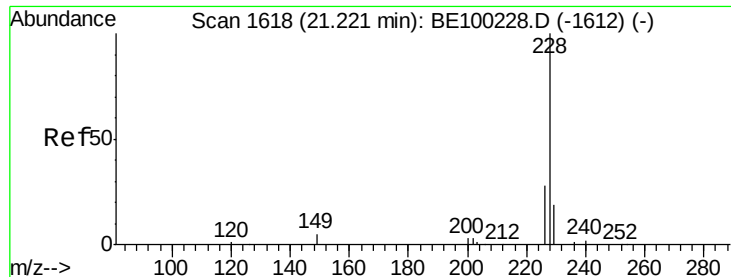
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





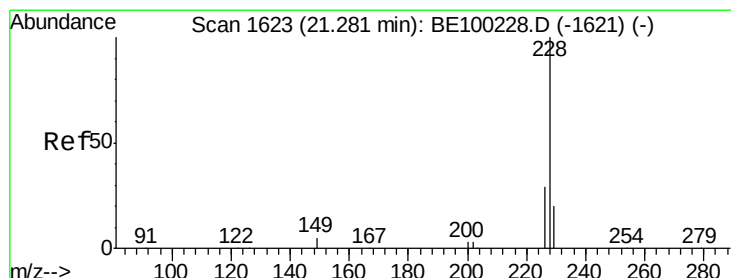
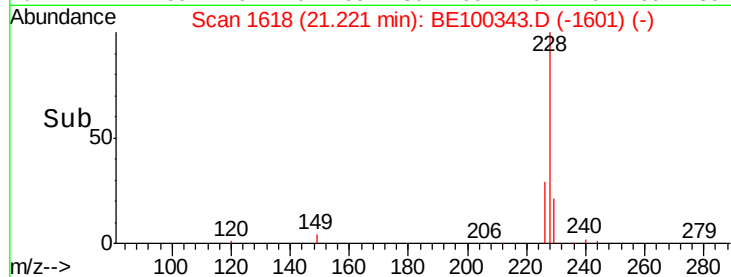
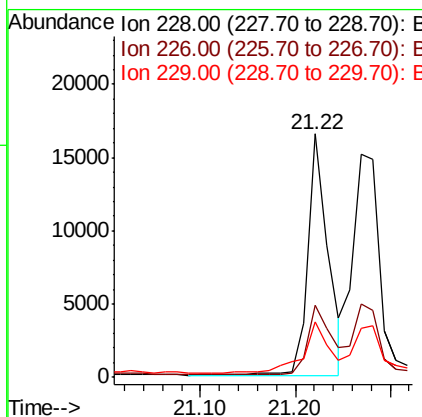
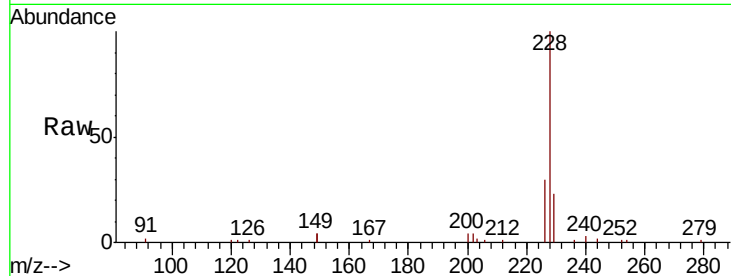
#30
Benzo(a)anthracene
Concen: 0.991 ng
RT: 21.22 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.2	34.8
229	22.6	15.7	23.5

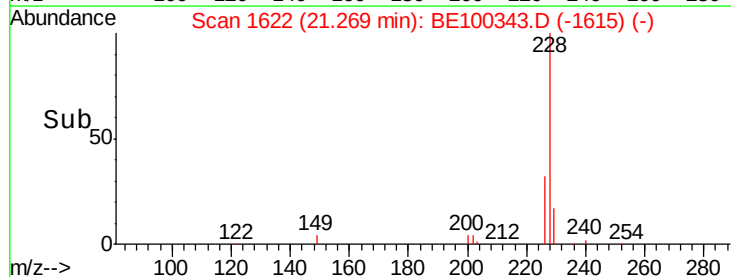
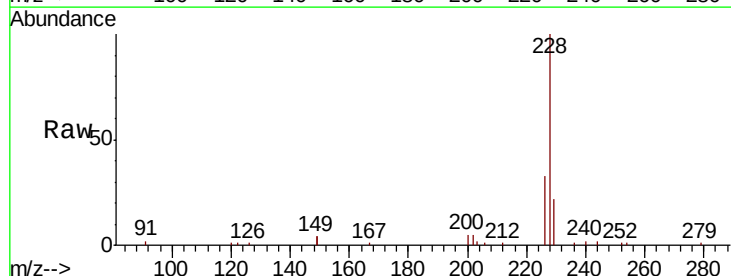
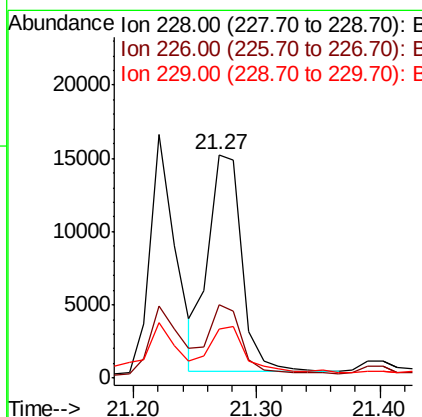
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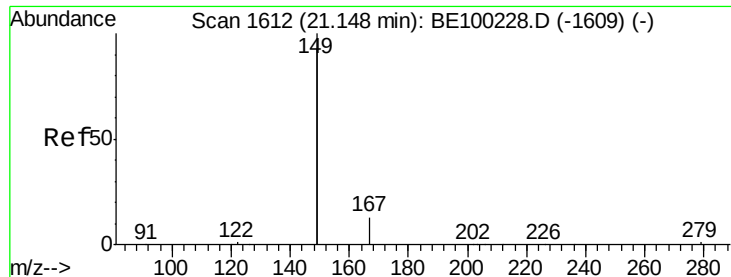
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#31
Chrysene
Concen: 1.149 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.9	35.9
229	22.1	16.5	24.7





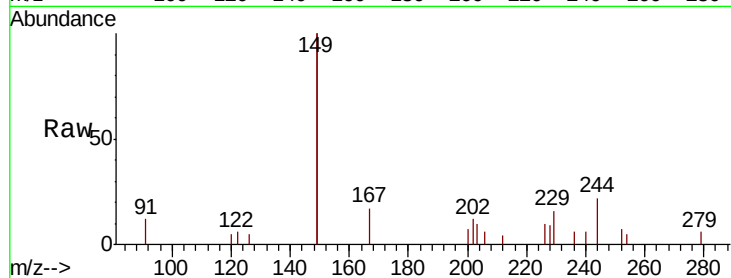
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.069 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.8
279	2.1	1.1	1.7#

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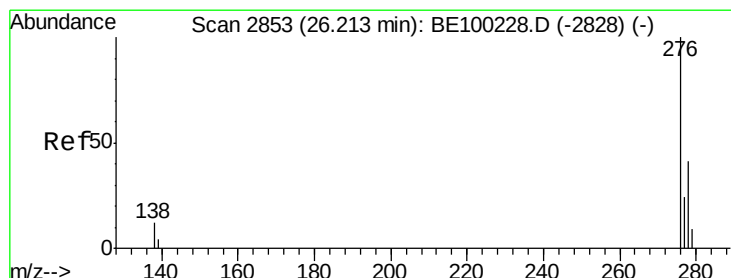
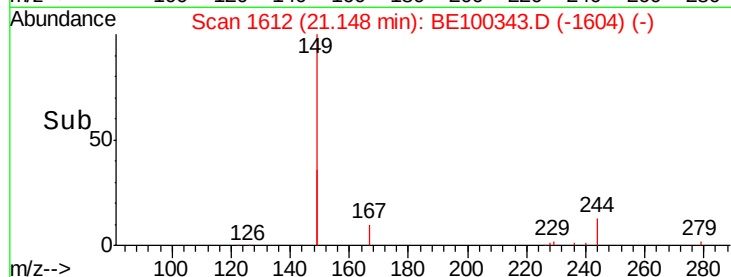
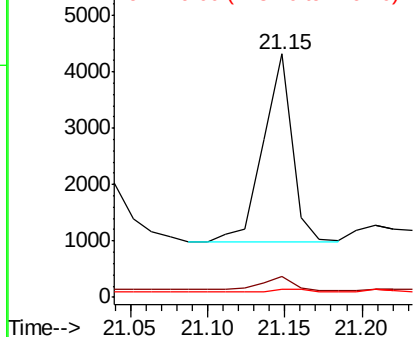


Abundance

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: 0.435 ng
RT: 26.21 min Scan# 2853
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

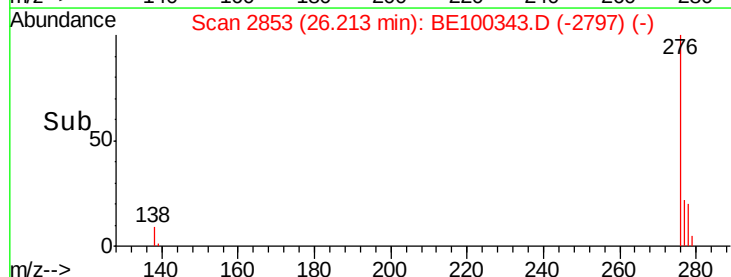
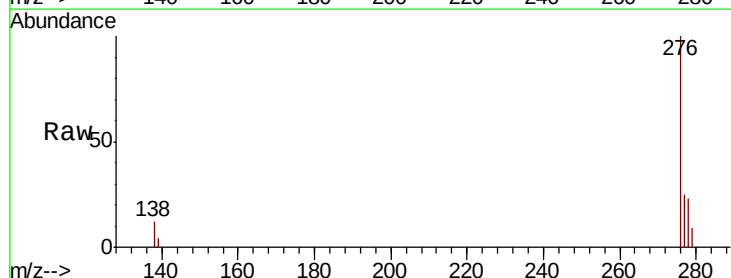
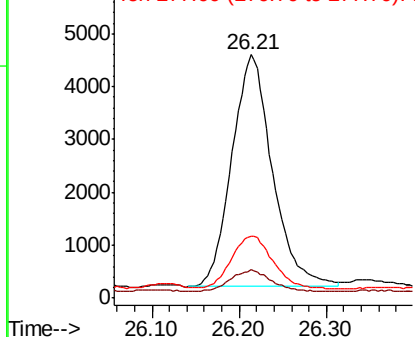
Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.4	9.4	14.0#
277	23.3	19.2	28.8

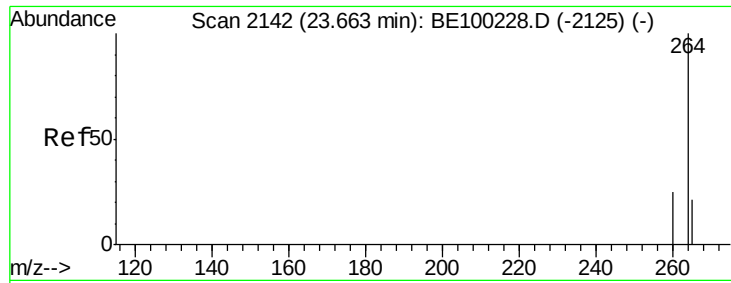
Abundance

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





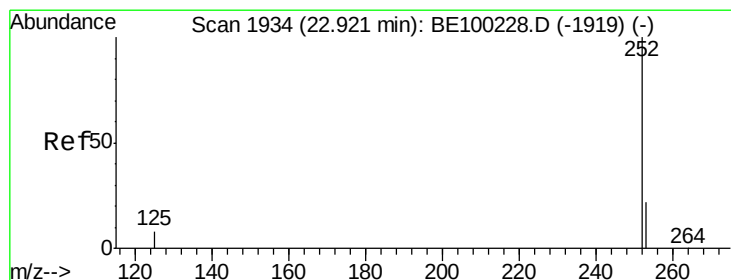
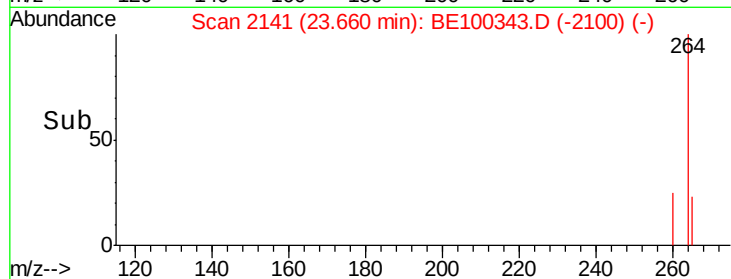
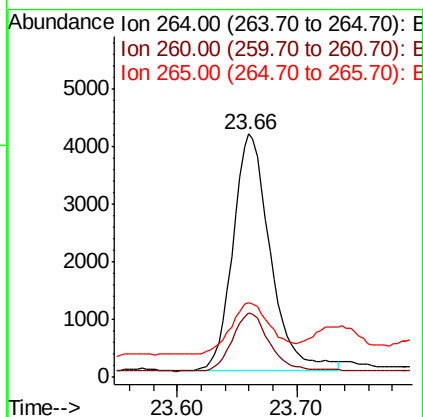
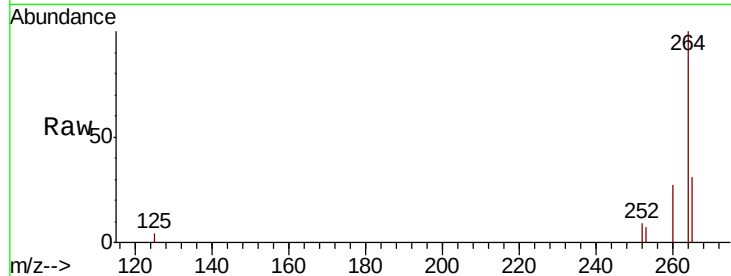
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.66 min Scan# 2141
Delta R.T. -0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.8	31.2
265	30.9	21.8	32.6

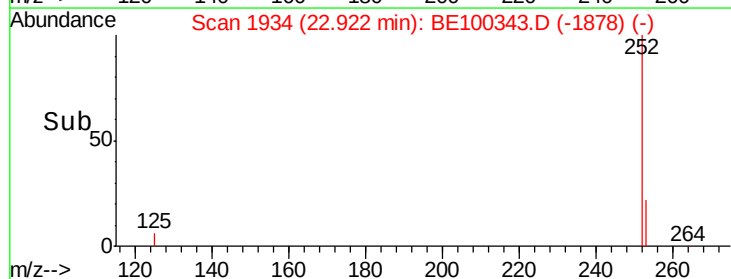
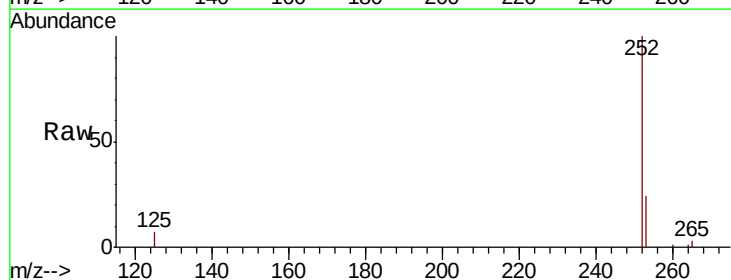
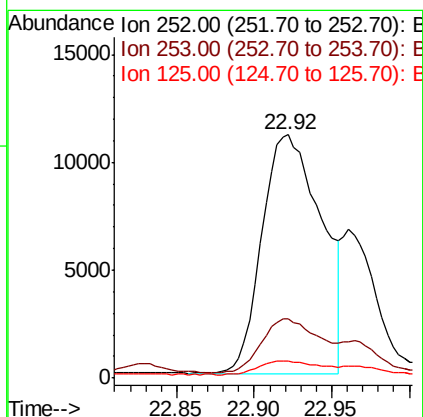
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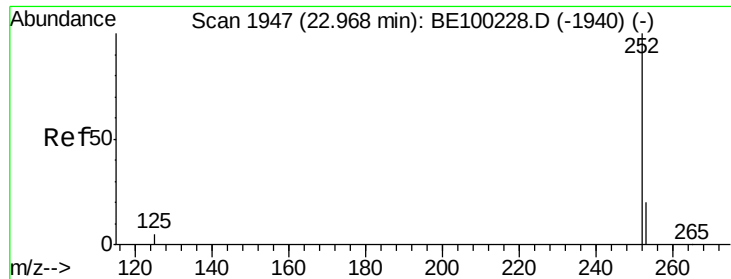
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.219 ng
RT: 22.92 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.2	28.8
125	7.2	7.4	11.0#





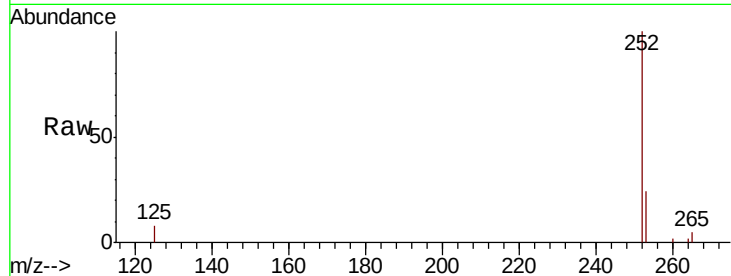
#36
Benzo(k)fluoranthene
Concen: 0.335 ng m
RT: 22.96 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Instrument :
BNA_E
ClientSampleId :
EXT-009-SW147-062419

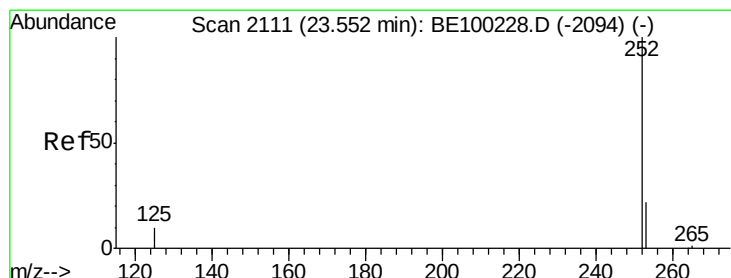
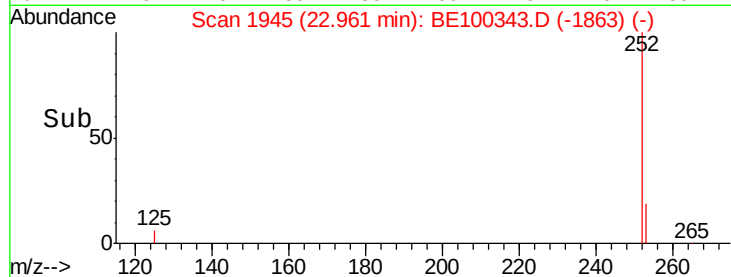
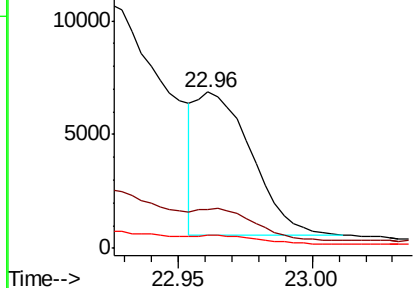
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	8.2	5.0	7.4

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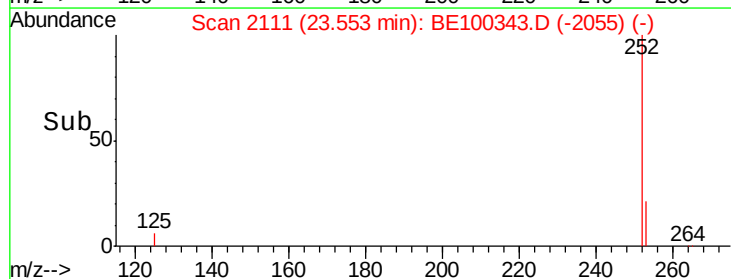
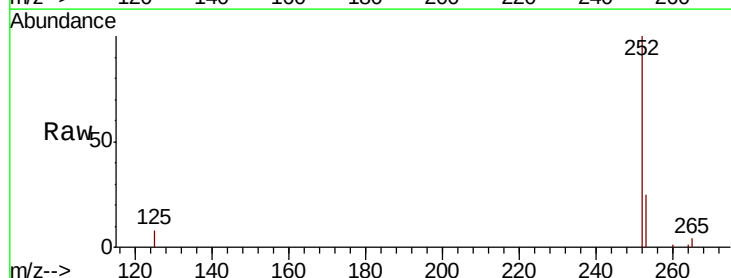
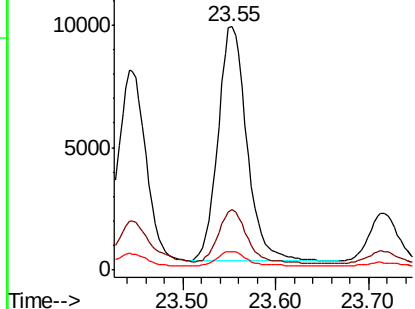
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

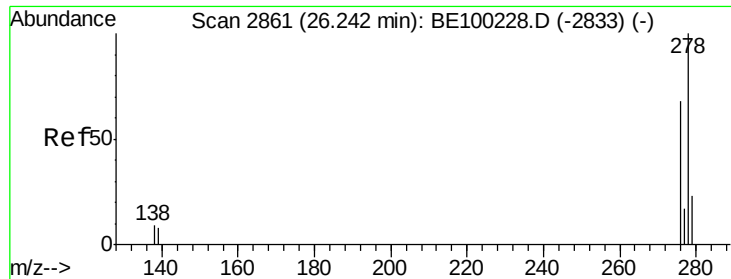


#37
Benzo(a)pyrene
Concen: 0.859 ng
RT: 23.55 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100343.D
Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.6	29.4
125	7.8	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





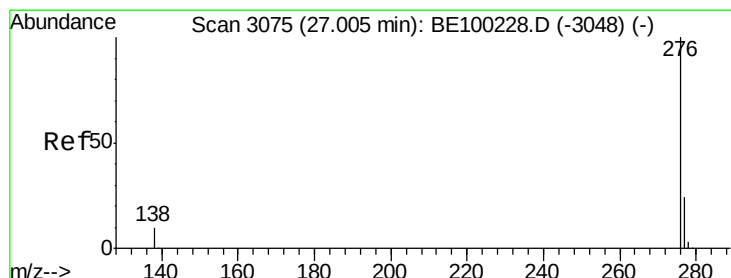
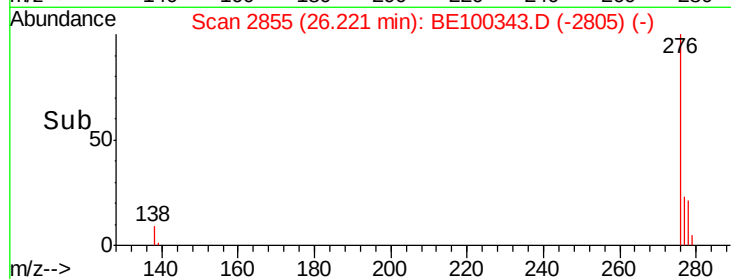
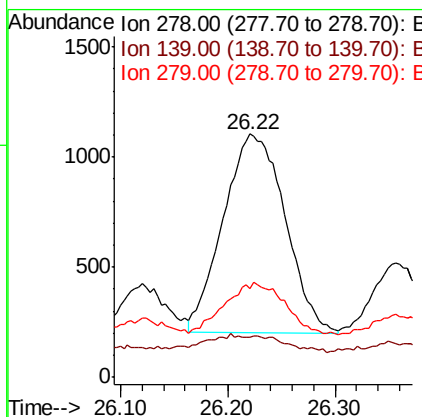
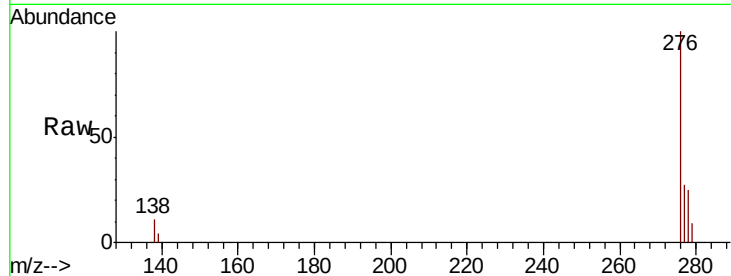
#38
 Dibenzo(a,h)anthracene
 Concen: 0.143 ng
 RT: 26.22 min Scan# 2855
 Delta R.T. -0.02 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Instrument :
 BNA_E
 ClientSampleId :
 EXT-009-SW147-062419

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	8.2	12.2#
279	36.6	20.3	30.5#

Manual Integrations
 APPROVED

mohammad
 7/5/2019 8:54:44 AM



#39
 Benzo(g,h,i)perylene
 Concen: 0.609 ng
 RT: 27.01 min Scan# 3075
 Delta R.T. 0.00 min
 Lab File: BE100343.D
 Acq: 3 Jul 2019 23:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.2	30.2
138	11.4	9.0	13.6

