

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
 Data File : BE100444.D
 Acq On : 16 Jul 2019 16:34
 Operator : HP/JU
 Sample : K3818-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Manual Integrations
 APPROVED

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Quant Time: Jul 16 17:12:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 16 14:03:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	8915	0.80	ng	0.00
7) Naphthalene-d8	10.68	136	35632	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	21290	0.80	ng	0.00
19) Phenanthrene-d10	17.23	188	56783	0.80	ng	0.00
27) Chrysene-d12	21.40	240	75405	0.80	ng	0.01
34) Perylene-d12	23.89	264	82374	0.80	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	3834	0.45	ng	0.00
5) Phenol-d6	7.04	99	5587	0.45	ng	0.00
8) Nitrobenzene-d5	9.03	82	3683	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	7771	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1078	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	9904	0.21	ng	0.00
25) Fluoranthene-d10	19.26	212	83826	0.25	ng	0.00
29) Terphenyl-d14	19.85	244	16614	0.18	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.72	128	413612	2.383	ng	100
12) 2-Methylnaphthalene	12.34	142	32606	1.124	ng	99
16) Acenaphthylene	14.23	152	112279	2.608	ng	98
17) Acenaphthene	14.57	154	95278	3.221	ng	97
18) Fluorene	15.54	166	148105	3.882	ng	97
22) Pentachlorophenol	16.88	266	690	0.539	ng	# 86
23) Phenanthrene	17.27	178	2444879	32.319	ng	98
24) Anthracene	17.36	178	621467	9.954	ng	97
26) Fluoranthene	19.29	202	4216300	43.853	ng	97
28) Pvrene	19.65	202	4096824	37.145	ng	# 89
30) Benzo(a)anthracene	21.38	228	2627694	25.679	ng	94
31) Chrysene	21.44	228	2327932	19.157	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	200137	2.727	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.54	276	1464883	13.559	ng	# 95
35) Benzo(b)fluoranthene	23.14	252	2892228	22.983	ng	96
36) Benzo(k)fluoranthene	23.17	252	1170632m	8.791	ng	
37) Benzo(a)pvrene	23.78	252	2357160m	22.780	ng	
38) Dibenzo(a,h)anthracene	26.56	278	380807	3.452	ng	93
39) Benzo(g,h,i)perylene	27.35	276	1422643	12.330	ng	98

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

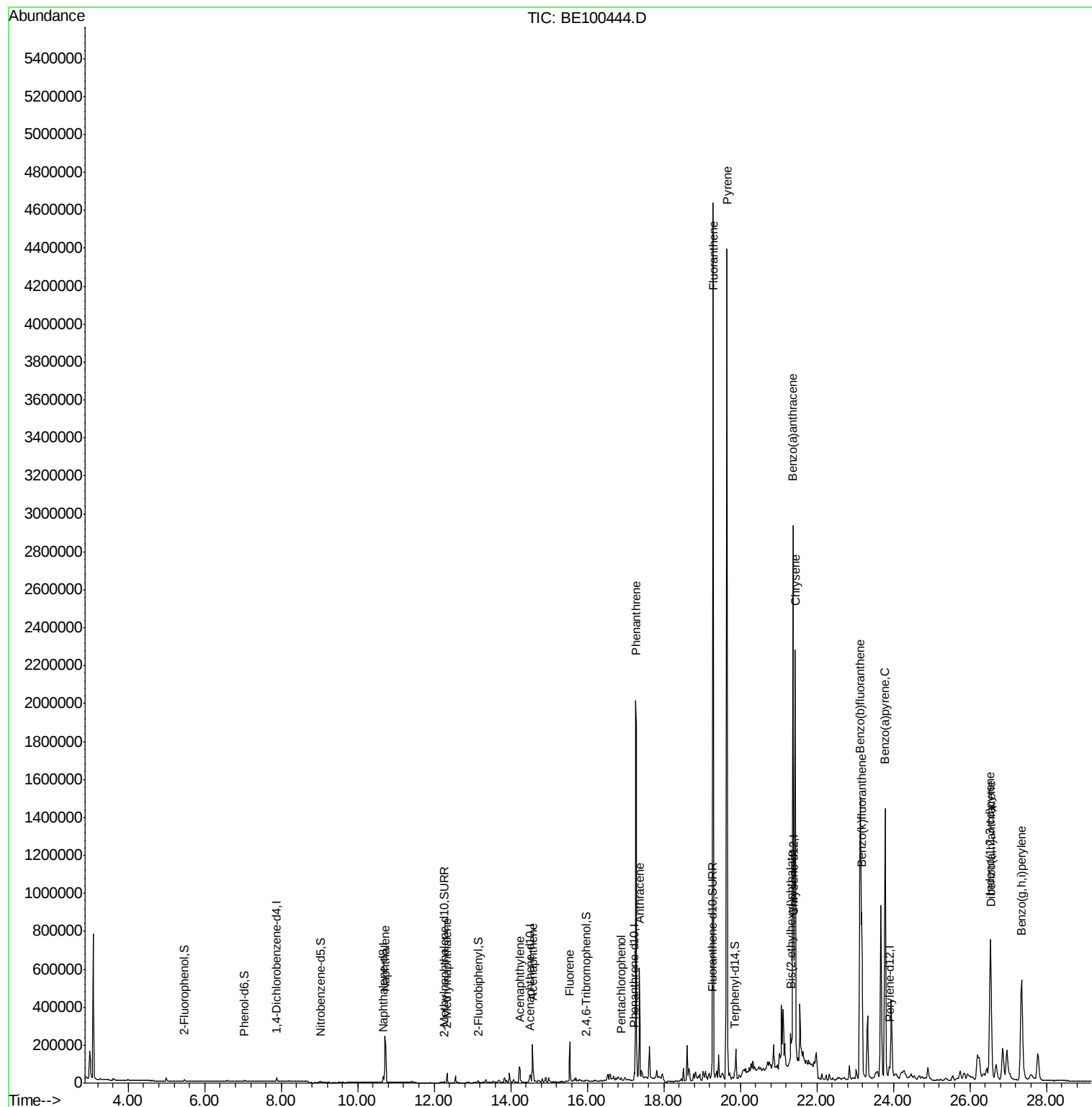
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
Data File : BE100444.D
Acq On : 16 Jul 2019 16:34
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Misc :
ALS Vial : 10 Sample Multiplier: 2

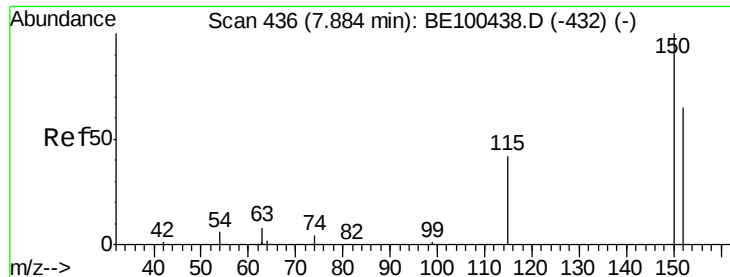
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

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#1

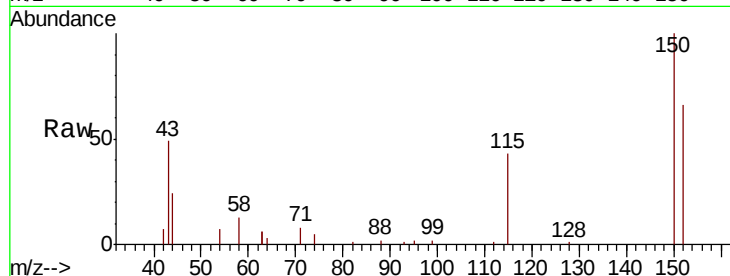
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	121.7	182.5
115	64.4	52.4	78.6

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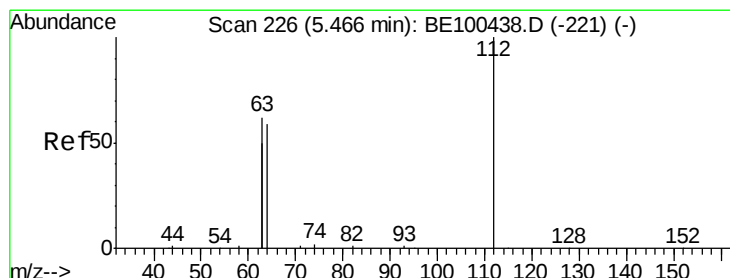
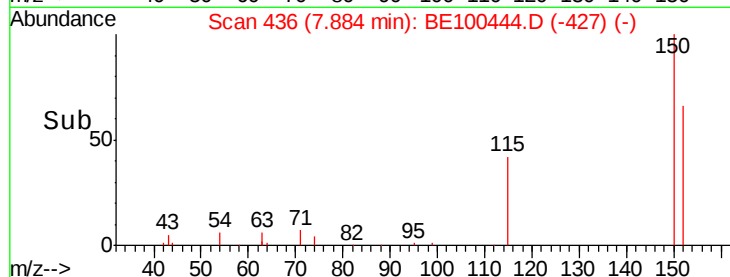
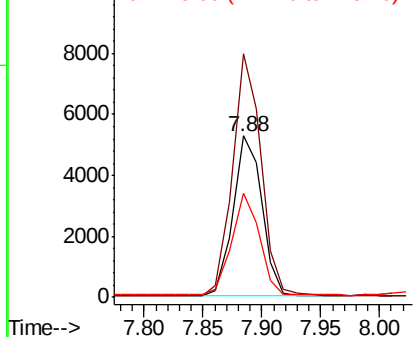


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

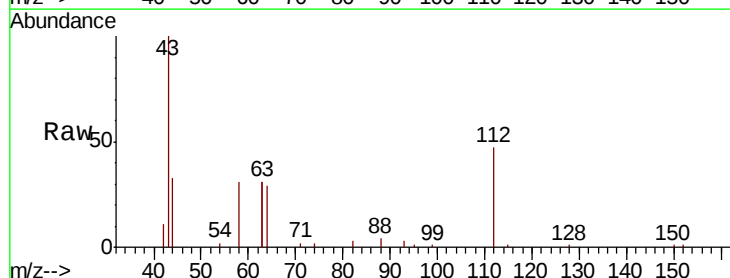
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.452 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	55.0	82.4
63	136.3	114.8	172.2

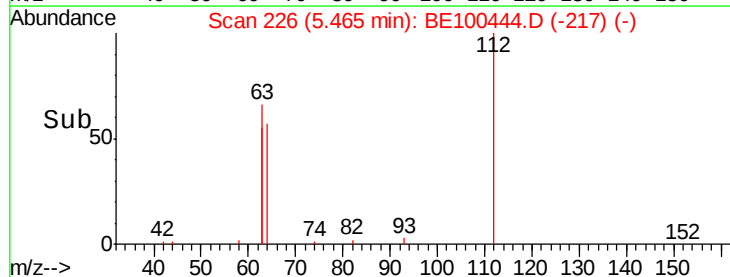
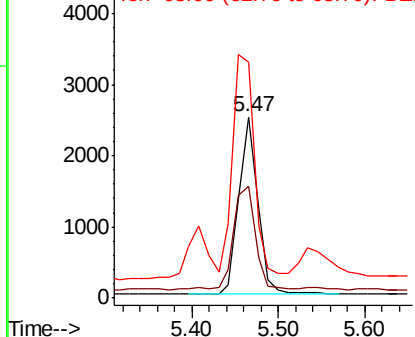


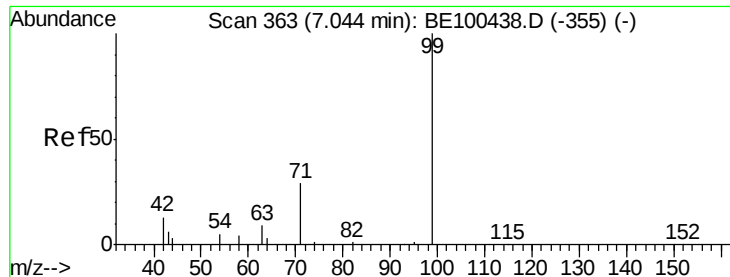
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.446 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

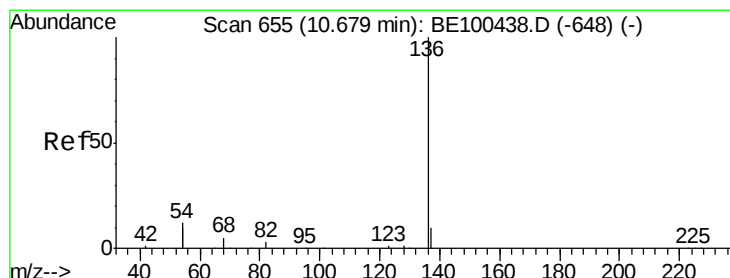
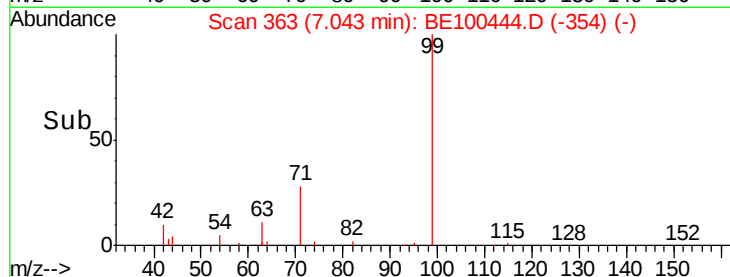
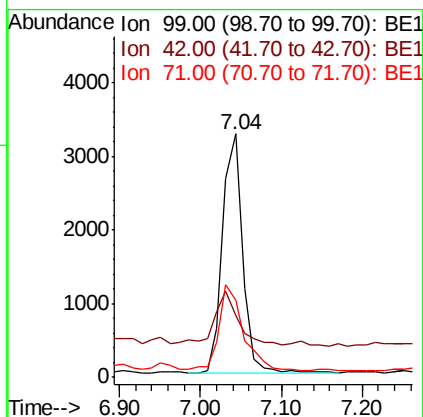
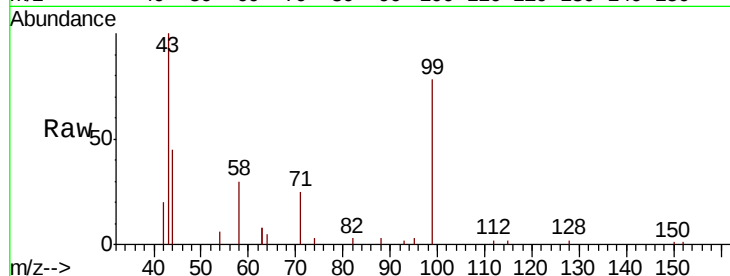
ClientSampleId :

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Tot Ion:	99	Resp:	5587
Ion	Ratio	Lower	Upper
99	100		
42	25.9	17.4	26.2
71	41.7	28.2	42.4

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#7

Naphthalene-d8

Concen: 0.800 ng

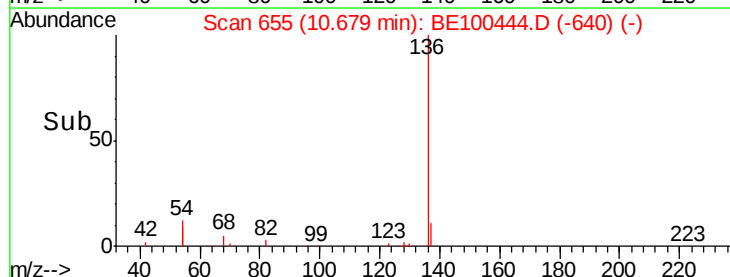
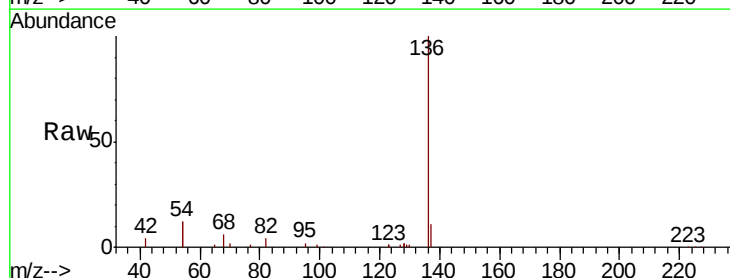
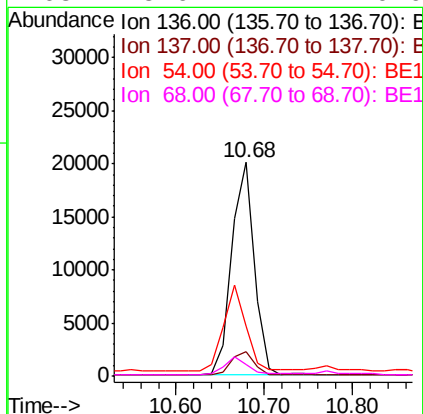
RT: 10.68 min Scan# 655

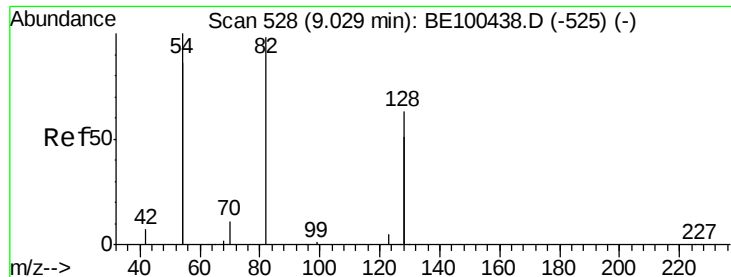
Delta R.T. 0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Tgt Ion:	136	Resp:	35632
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	23.5	19.6	29.4
68	5.6	4.4	6.6





#8

Nitrobenzene-d5

Concen: 0.375 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

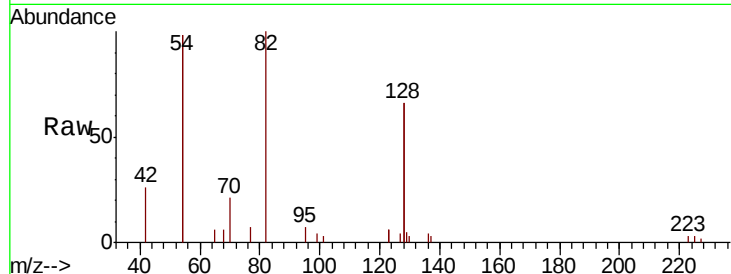
ClientSampleId :

HJDC-COMP4

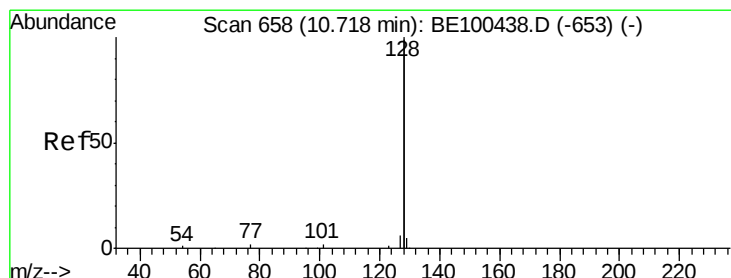
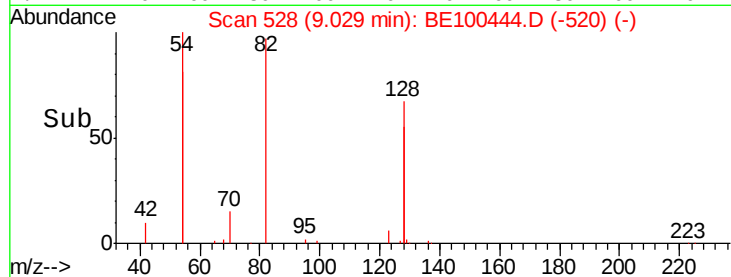
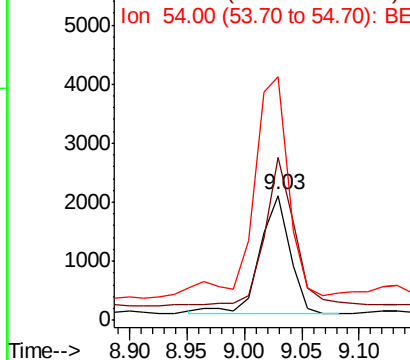
Tot Ion:	82	Resp:	3683
Ion Ratio	Lower	Upper	
82	100		
128	131.1	97.9	146.9
54	195.4	155.0	232.6

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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: 2.383 ng

RT: 10.72 min Scan# 658

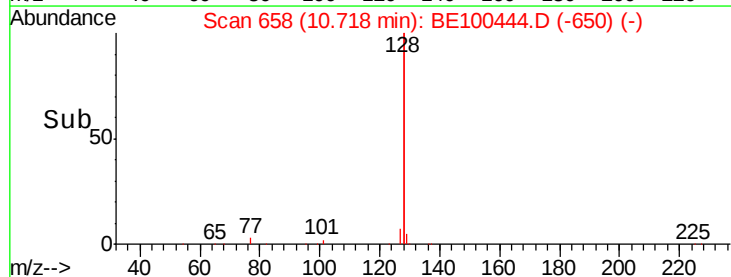
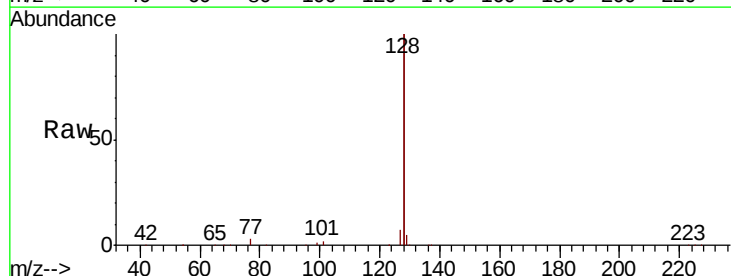
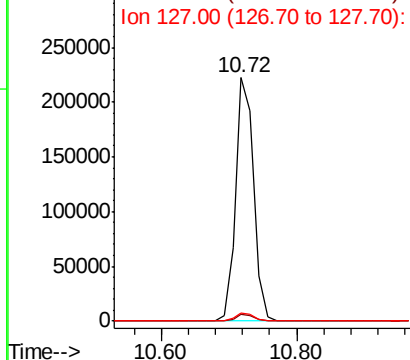
Delta R.T. 0.00 min

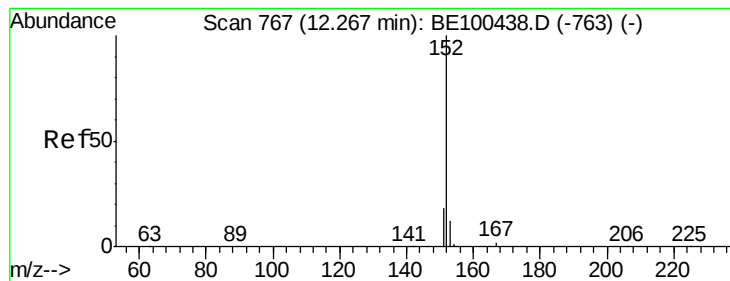
Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Tgt Ion:	128	Resp:	413612
Ion Ratio	Lower	Upper	
128	100		
129	2.7	2.2	3.4
127	3.4	2.7	4.1

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





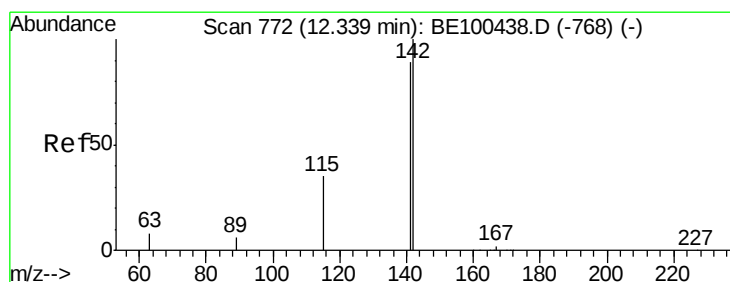
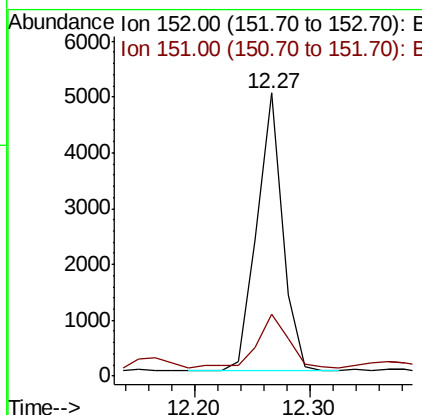
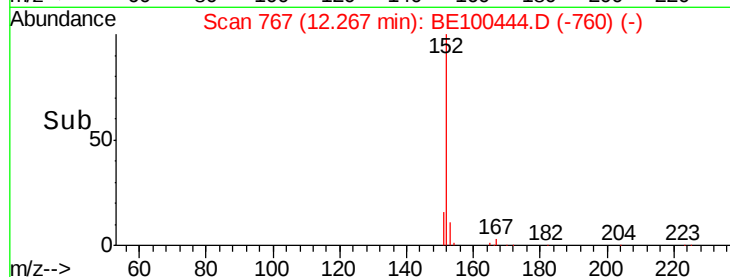
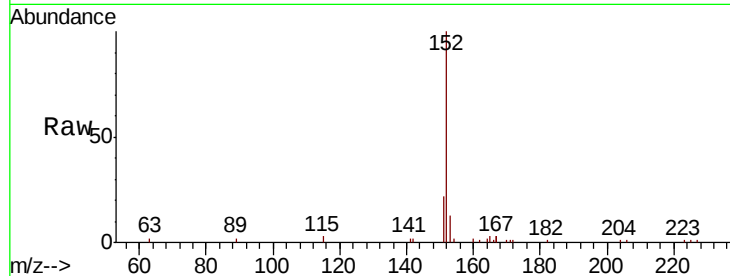
#11
 2-Methylnaphthalene-d10
 Concen: 0.288 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.0	24.0

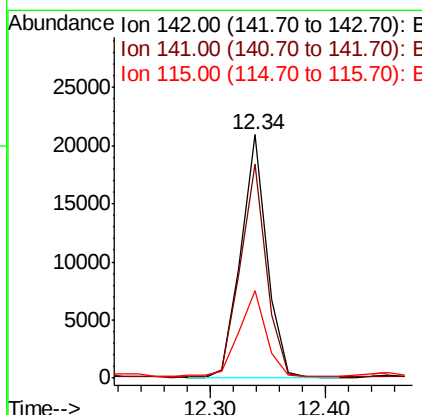
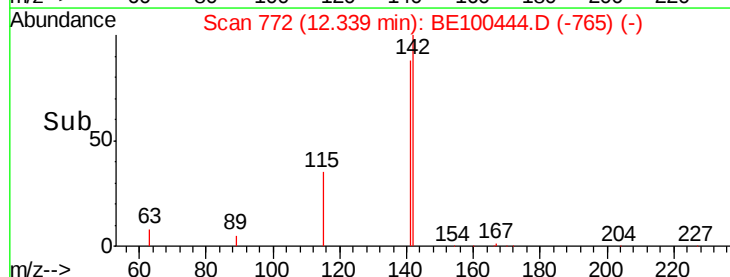
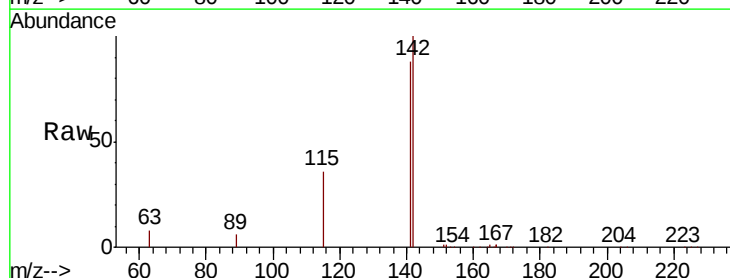
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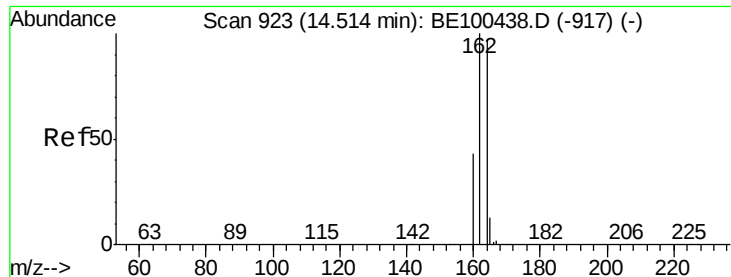
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#12
 2-Methylnaphthalene
 Concen: 1.124 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.9	106.3
115	35.9	29.0	43.4





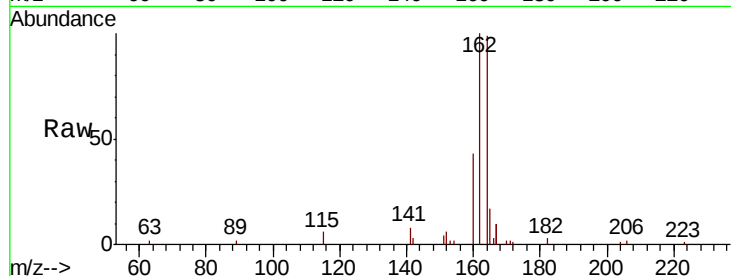
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.6	124.0
160	43.6	35.6	53.4

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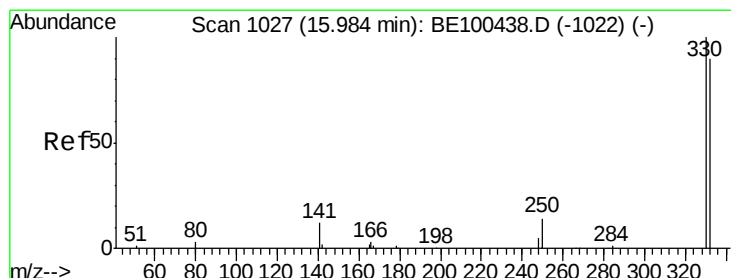
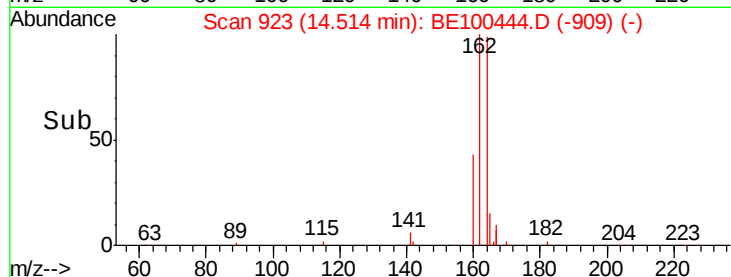
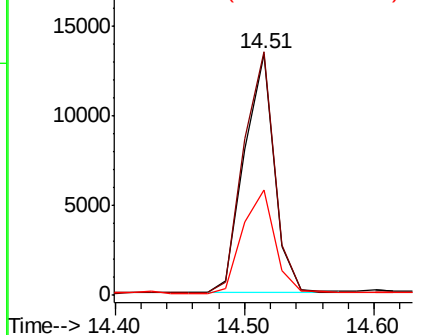


Abundance

Ion 164.00 (163.70 to 164.70): E

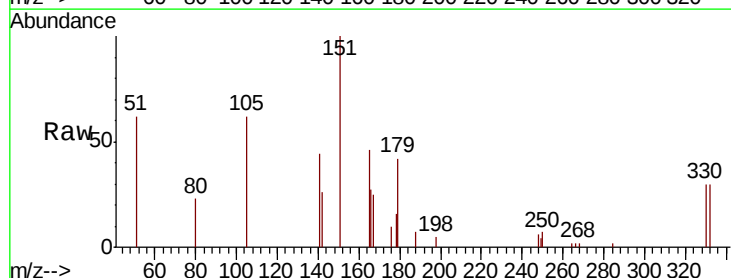
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.448 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.3	114.5
141	72.9	28.1	42.1#

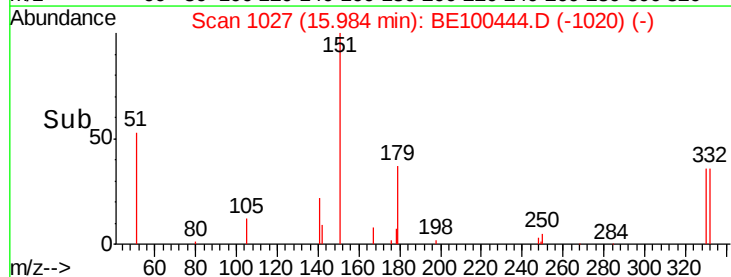
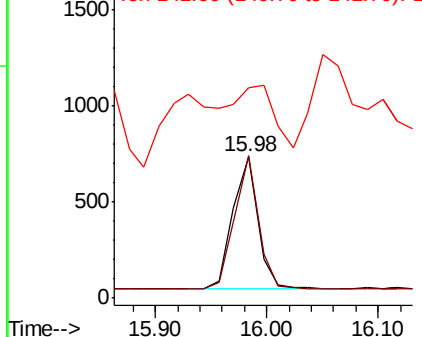


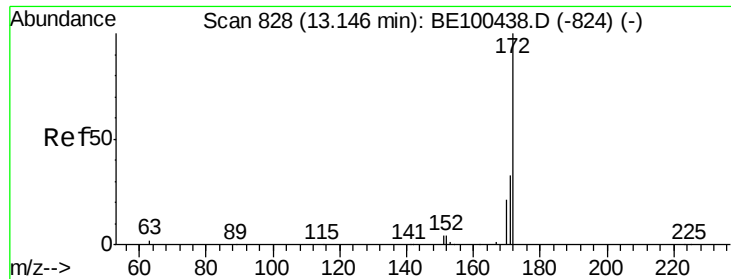
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





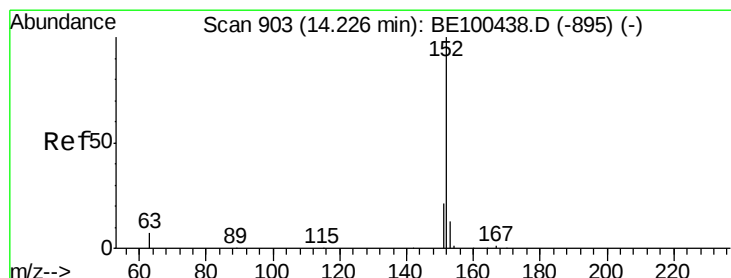
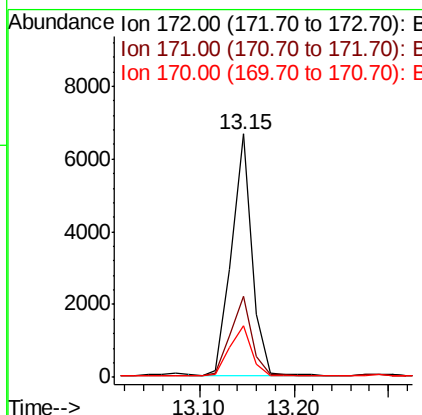
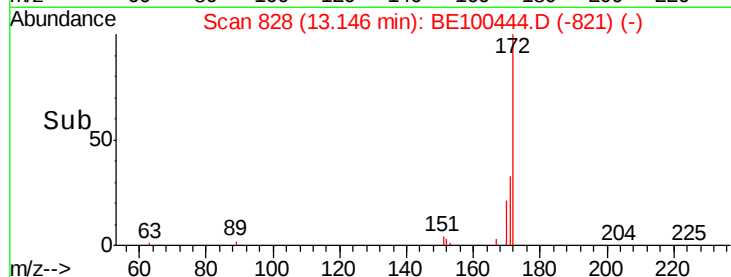
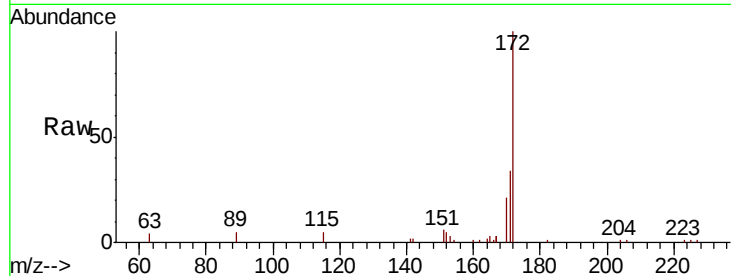
#15
2-Fluorobiphenyl
Concen: 0.208 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.0	40.4
170	21.3	17.4	26.0

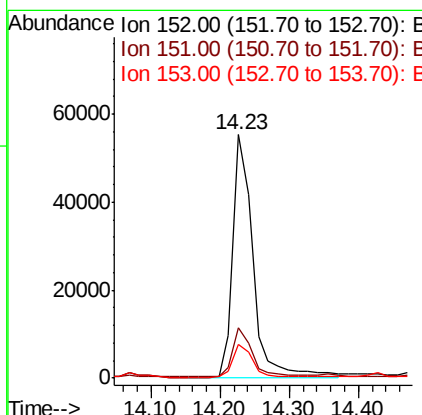
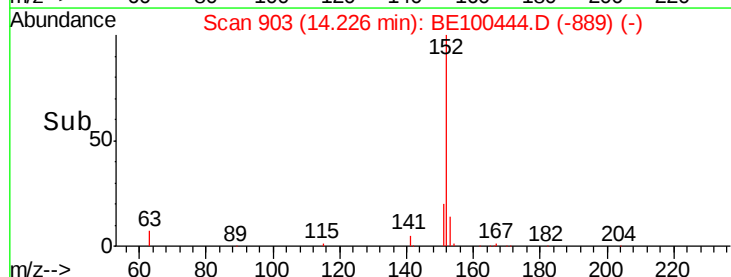
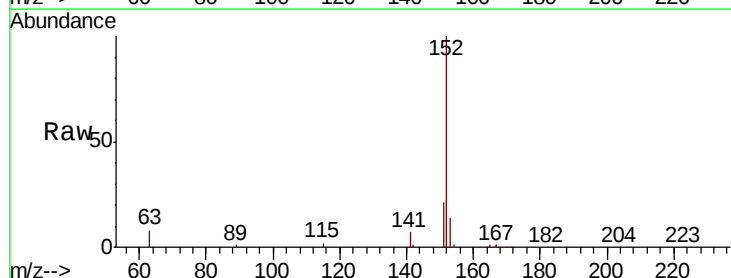
Manual Integrations
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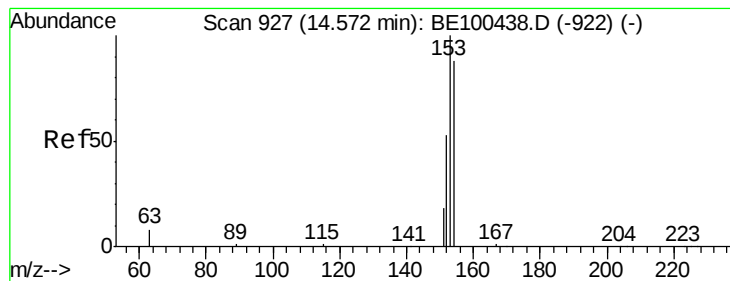
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#16
Acenaphthylene
Concen: 2.608 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	14.4	10.4	15.6





#17

Acenaphthene

Concen: 3.221 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

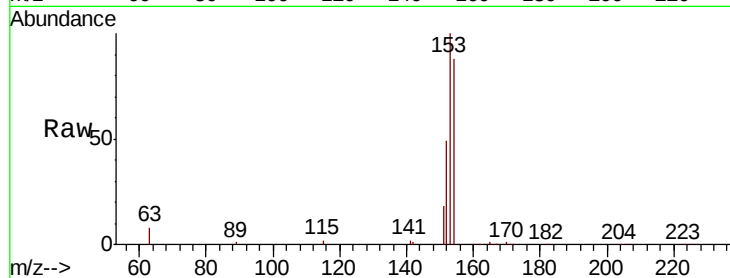
ClientSampleId :

HJDC-COMP4

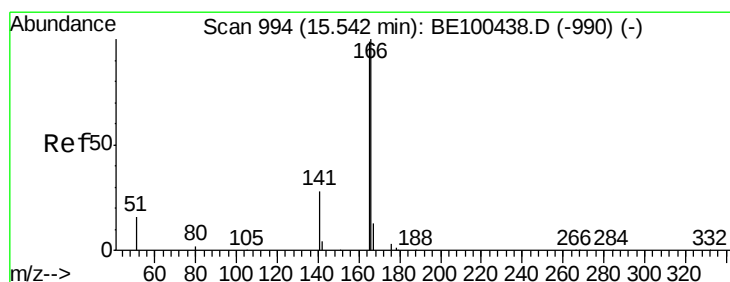
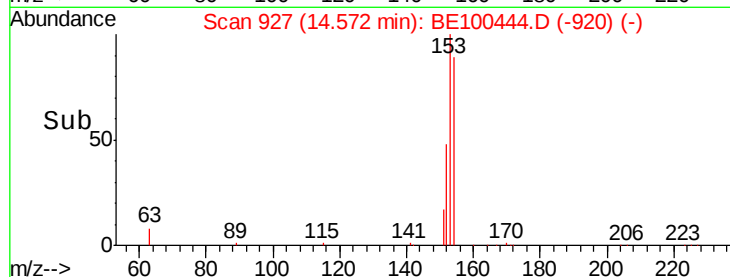
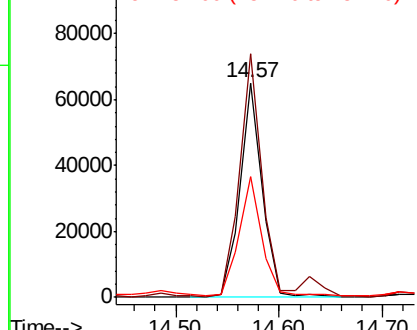
Tot Ion:	154	Resp:	95278
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.0	136.4
152	56.7	49.4	74.2

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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: 3.882 ng

RT: 15.54 min Scan# 994

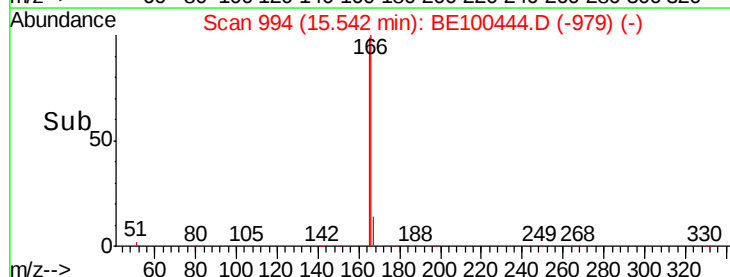
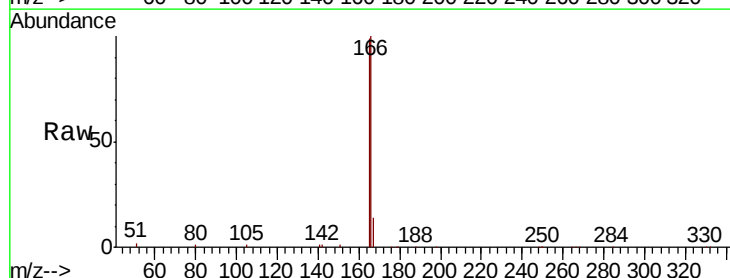
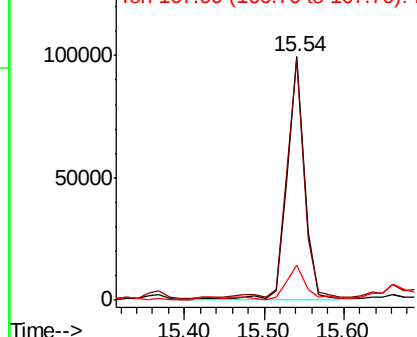
Delta R.T. -0.00 min

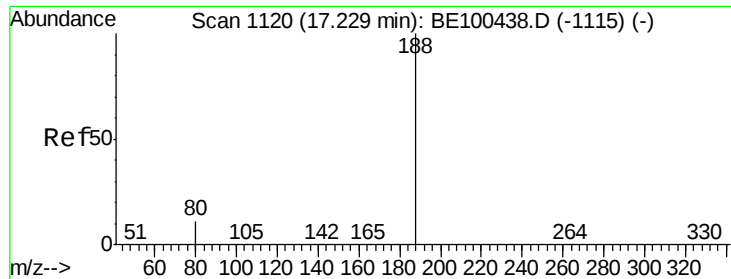
Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Tgt Ion:	166	Resp:	148105
Ion Ratio	Lower	Upper	
166	100		
165	102.2	79.6	119.4
167	15.4	10.6	15.8

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





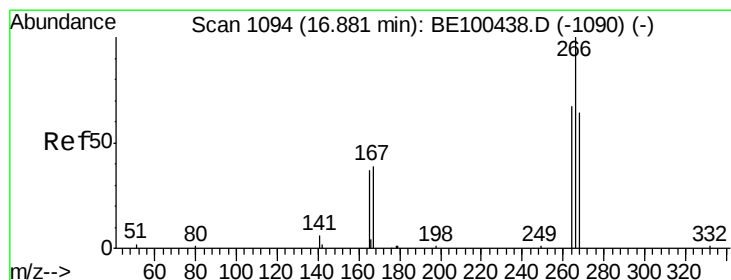
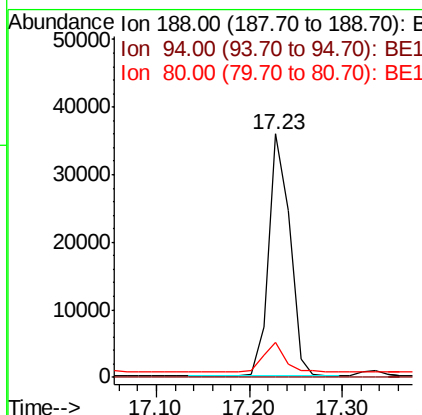
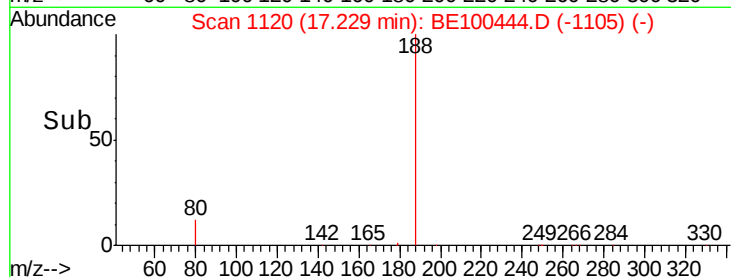
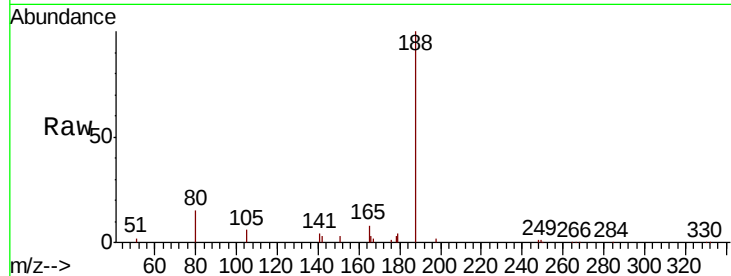
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.6	9.2	13.8

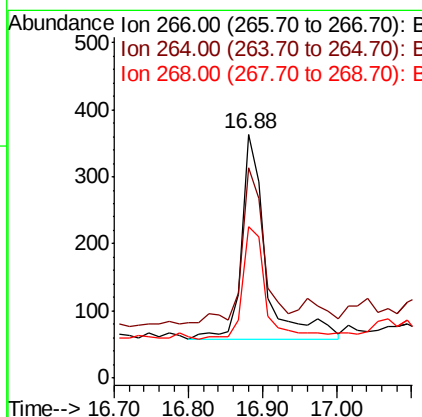
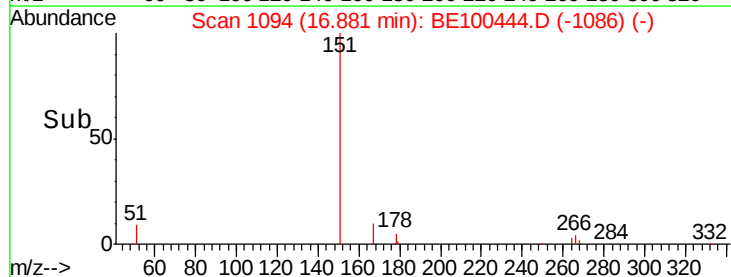
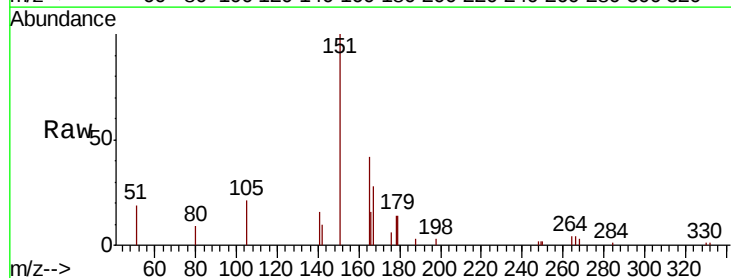
Manual Integrations
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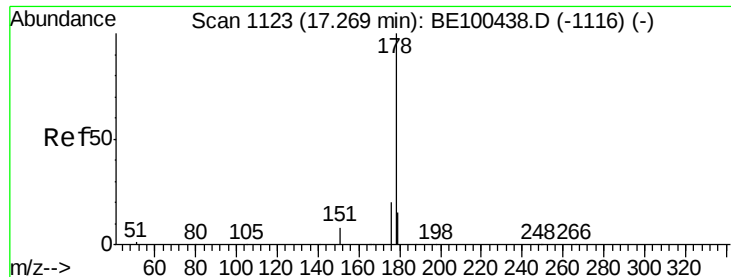
mohammad
7/19/2019 2:27:05 PM



#22
Pentachlorophenol
Concen: 0.539 ng
RT: 16.88 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
264	86.5	56.2	84.2
268	62.0	54.9	82.3





#23

Phenanthrene

Concen: 32.319 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP4

Tot Ion:178 Resp: 2444879

Ion Ratio Lower Upper

178 100

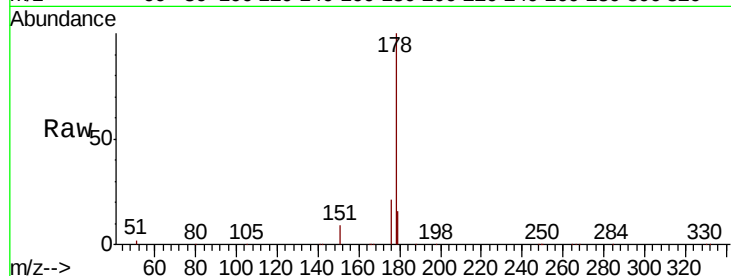
176 20.5 15.5 23.3

179 16.1 12.4 18.6

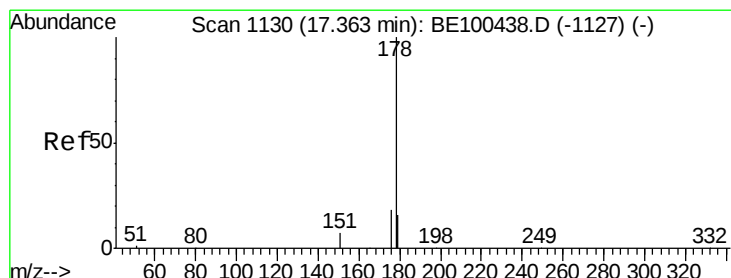
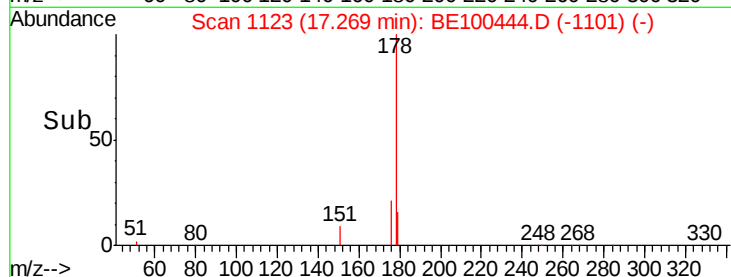
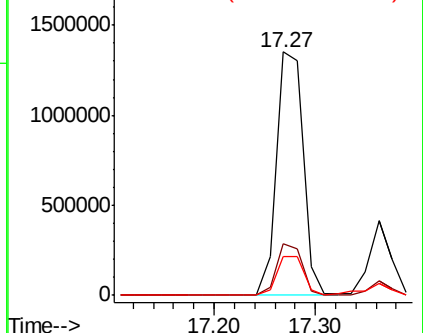
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 9.954 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

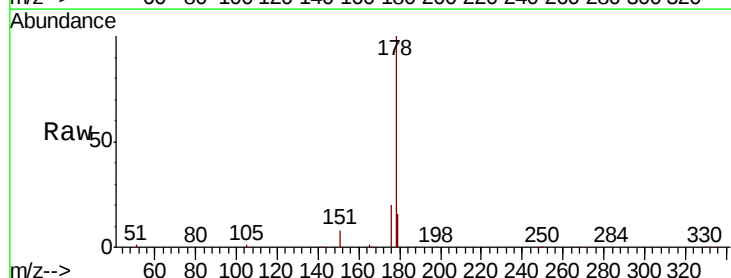
Tgt Ion:178 Resp: 621467

Ion Ratio Lower Upper

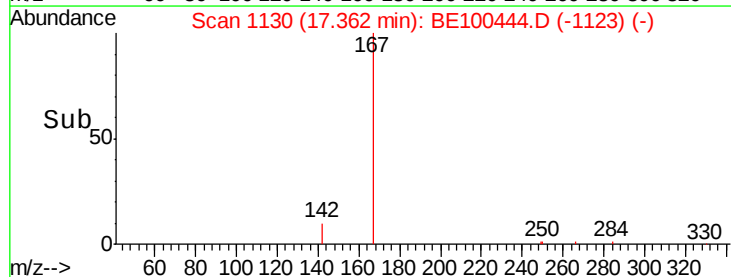
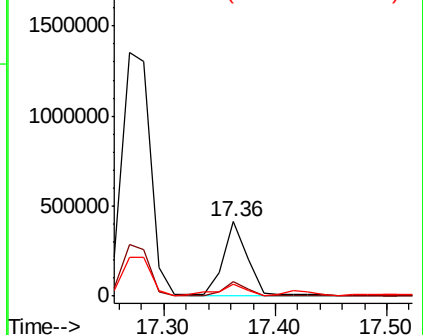
178 100

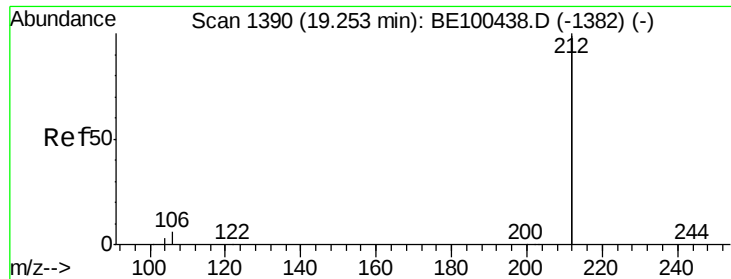
176 18.9 15.0 22.4

179 17.7 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.248 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

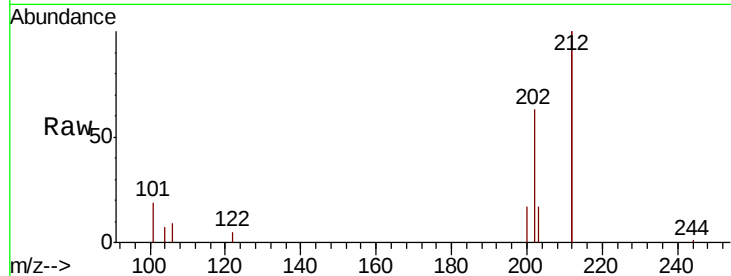
ClientSampleId :

HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.6	3.8
104	4.5	1.4	2.2#

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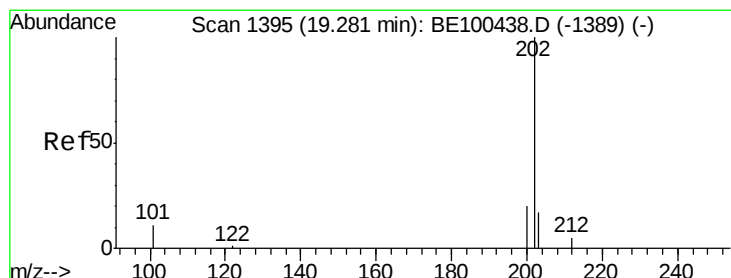
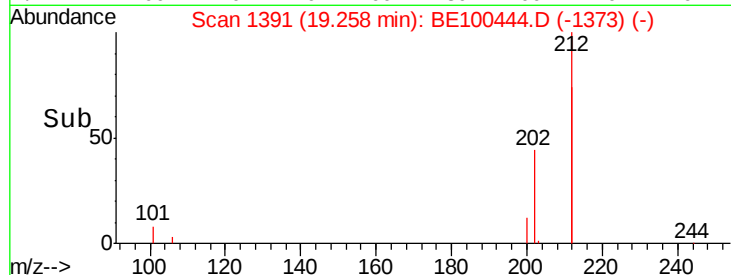
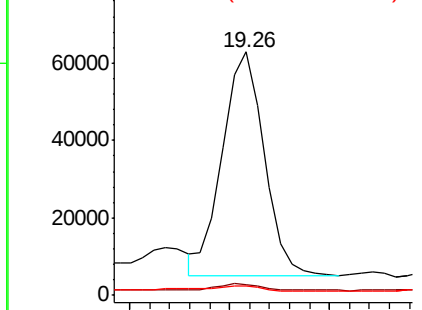


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 43.853 ng

RT: 19.29 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

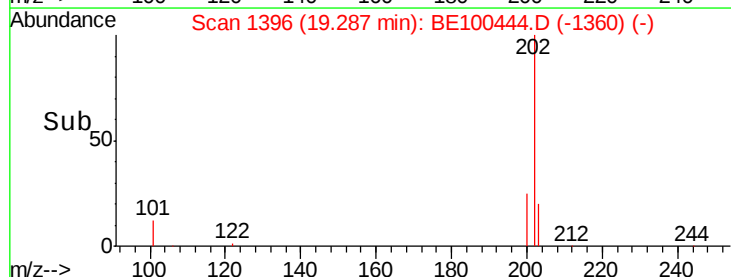
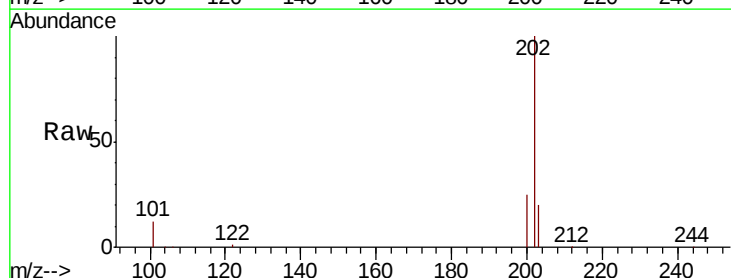
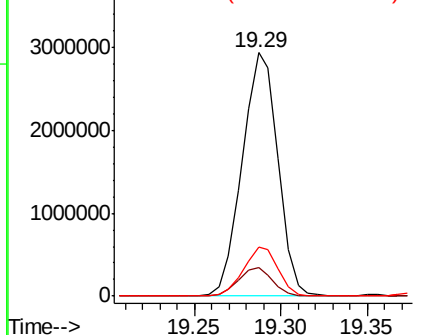
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	8.9	13.3
203	19.2	13.8	20.6

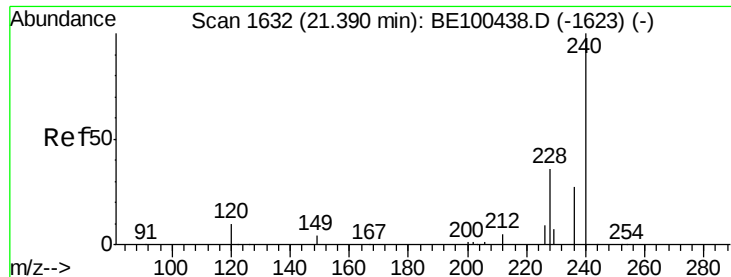
Abundance

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





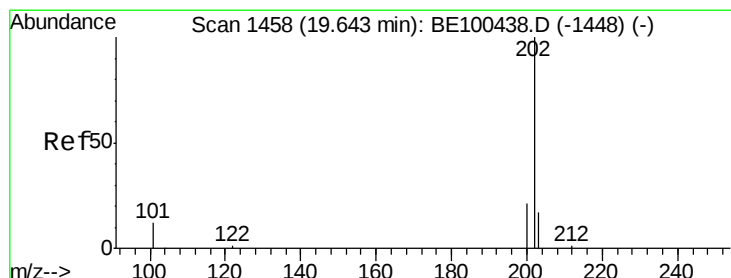
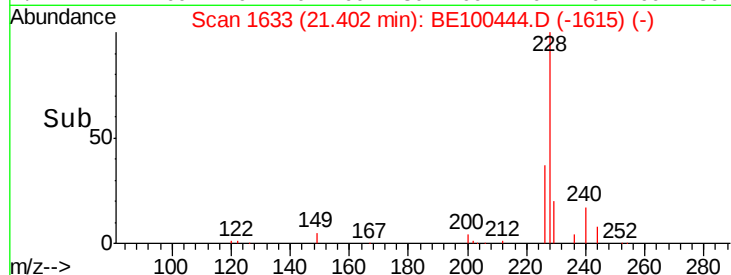
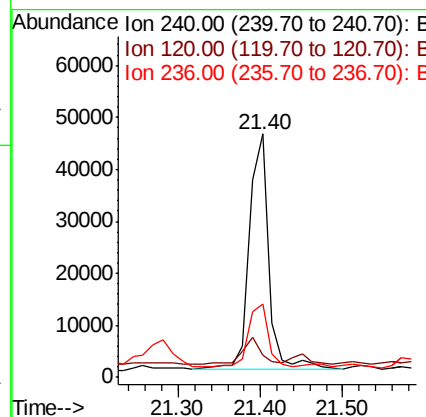
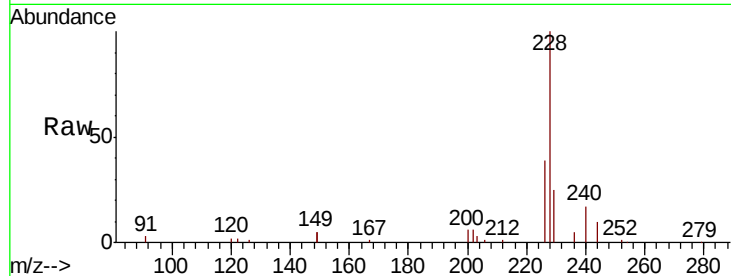
#27
 Chrysene-d12
 Concen: 0.800 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.2	8.8	13.2
236	30.1	22.0	33.0

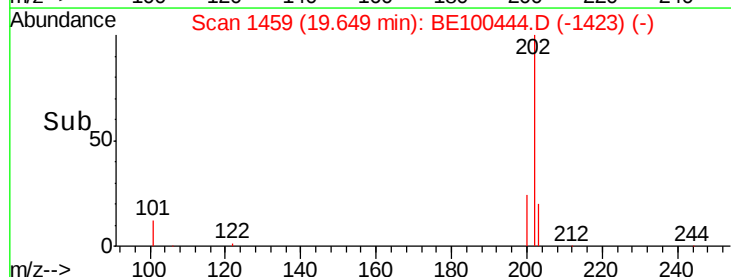
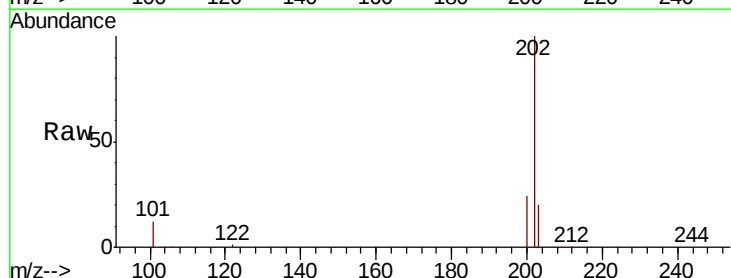
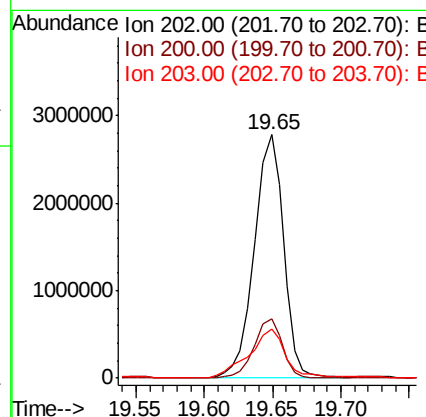
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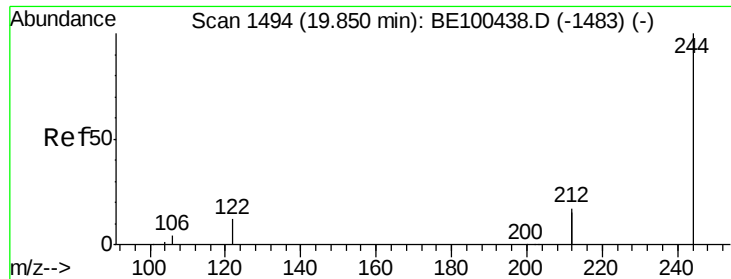
mohammad
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#28
 Pyrene
 Concen: 37.145 ng
 RT: 19.65 min Scan# 1459
 Delta R.T. 0.01 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.5	16.8	25.2
203	24.7	13.8	20.8





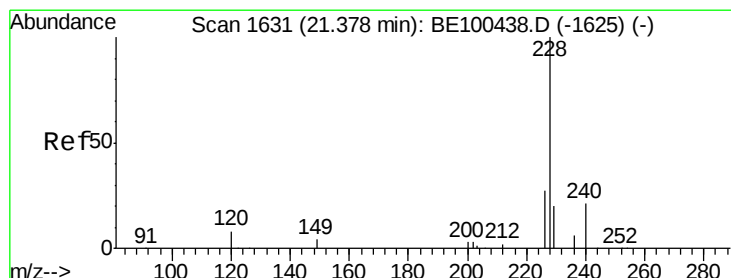
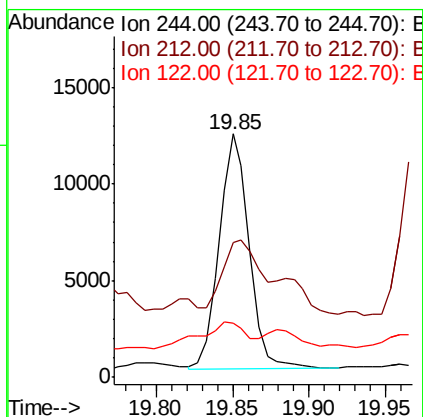
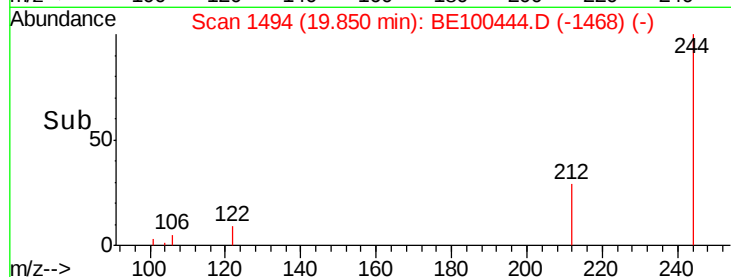
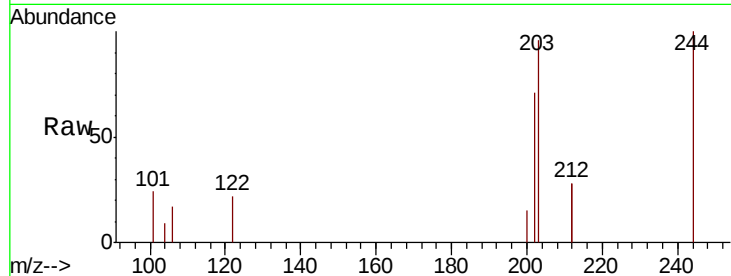
#29
 Terphenyl-d14
 Concen: 0.180 ng
 RT: 19.85 min Scan# 1494
 Delta R.T. 0.00 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
244	100		
212	55.5	26.3	39.5
122	22.5	9.4	14.2

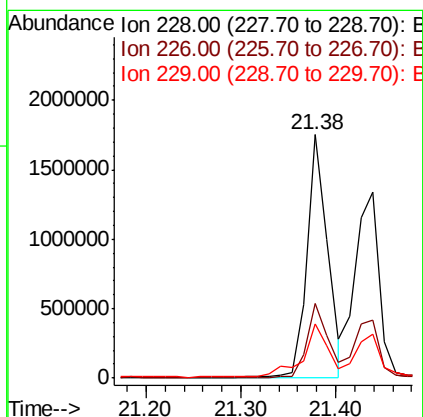
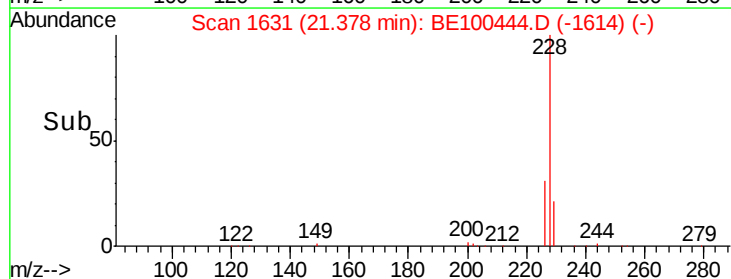
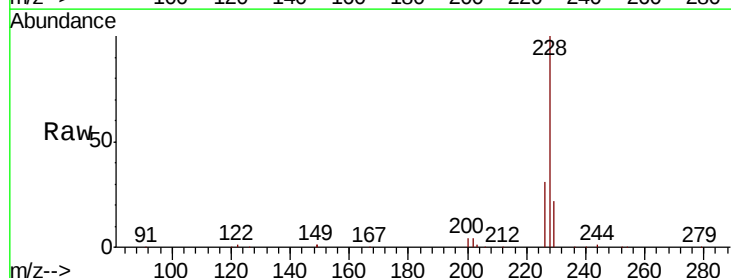
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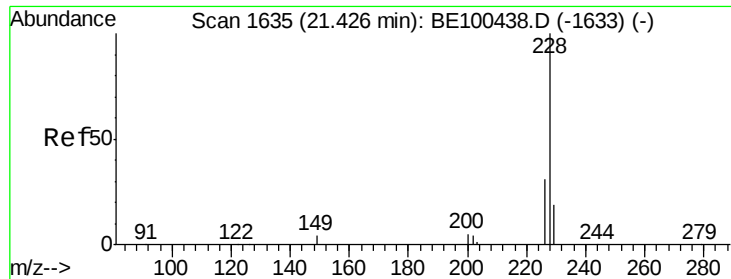
mohammad
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#30
 Benzo(a)anthracene
 Concen: 25.679 ng
 RT: 21.38 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.6	32.4
229	22.1	15.8	23.8





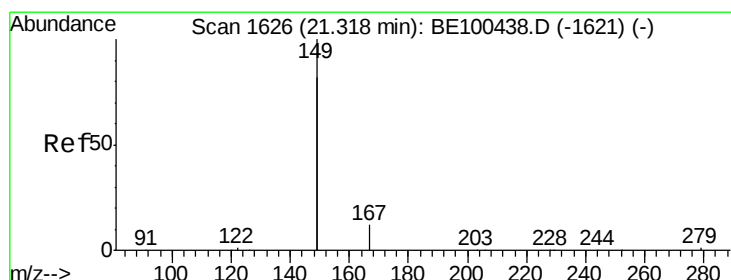
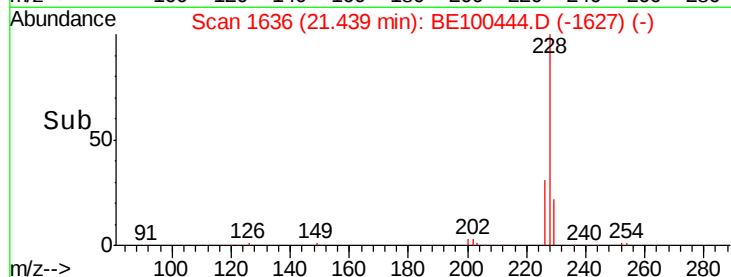
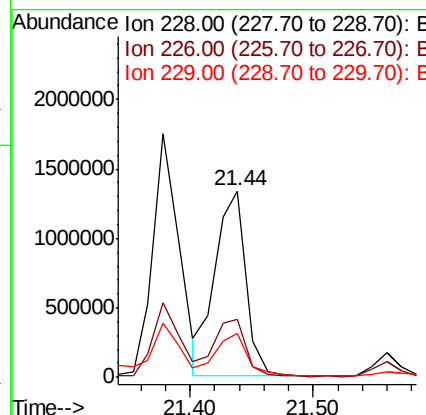
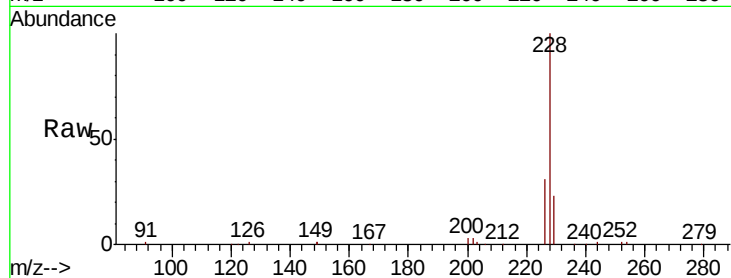
#31
 Chrysene
 Concen: 19.157 ng
 RT: 21.44 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	23.4	15.8	23.6

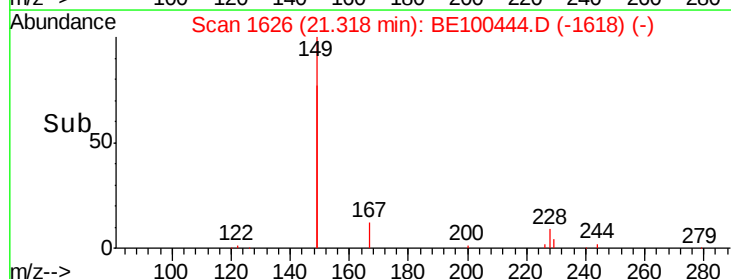
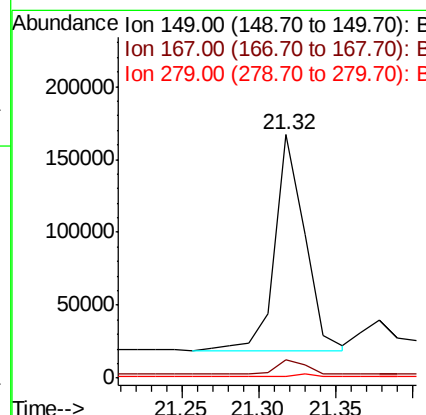
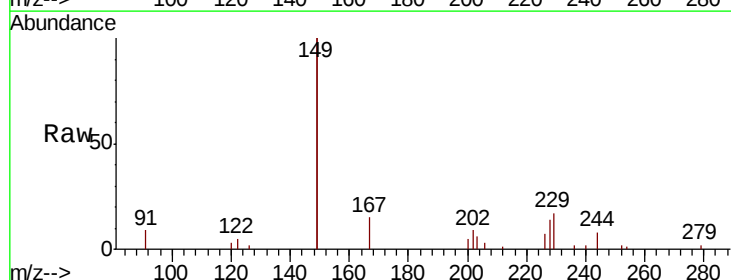
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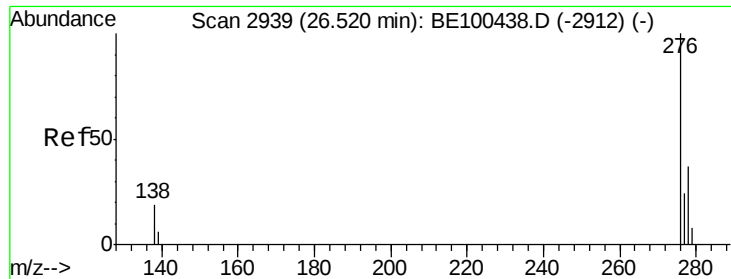
mohammad
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 2.727 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.0	7.6
279	1.0	1.2	1.8#





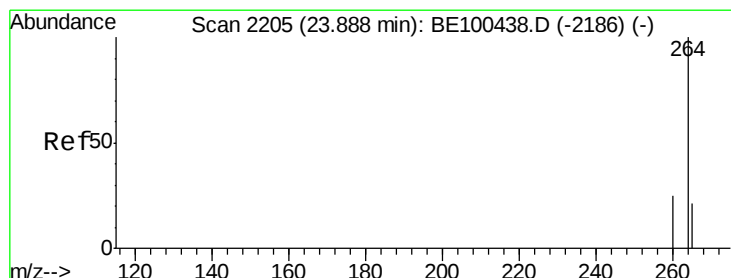
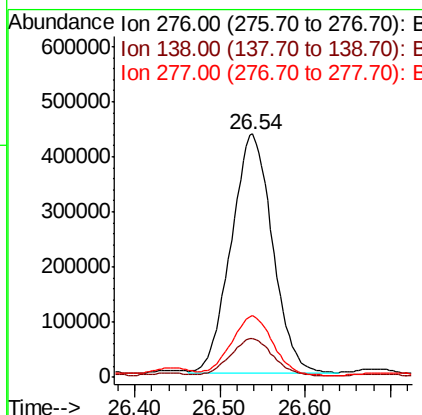
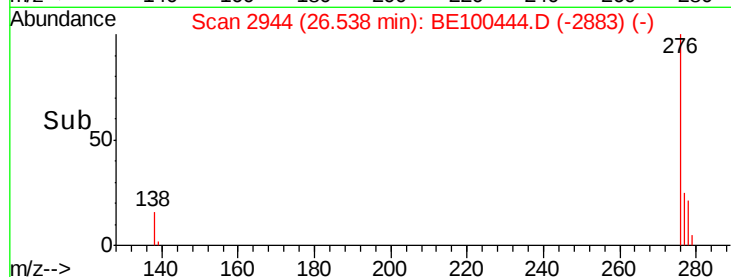
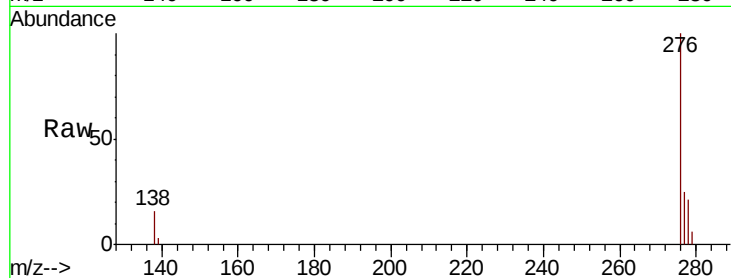
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 13.559 ng
 RT: 26.54 min Scan# 2944
 Delta R.T. 0.02 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4

Tot Ion:276 Resp: 1464883
 Ion Ratio Lower Upper
 276 100
 138 15.9 17.0 25.6#
 277 24.8 19.8 29.6

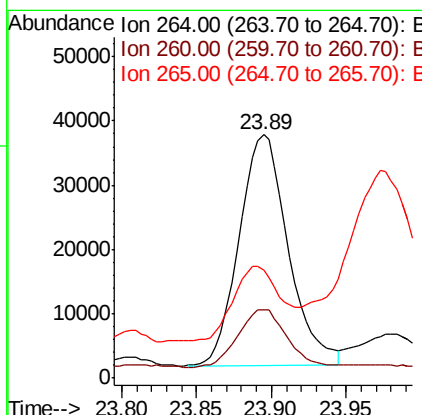
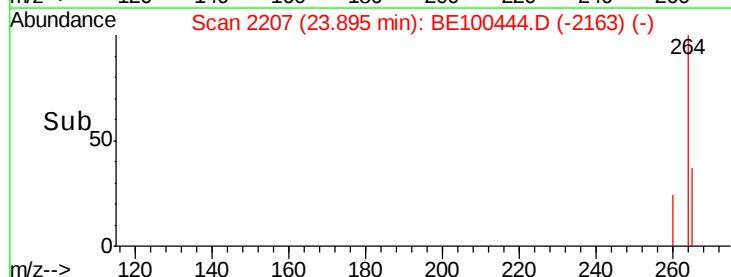
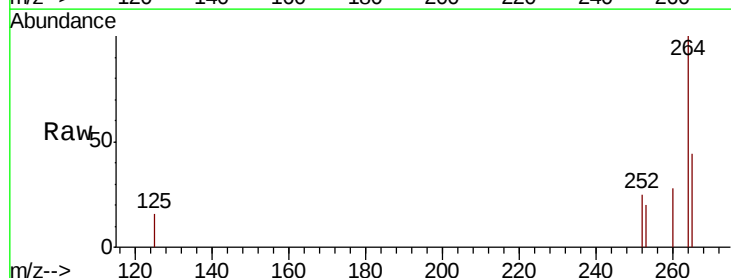
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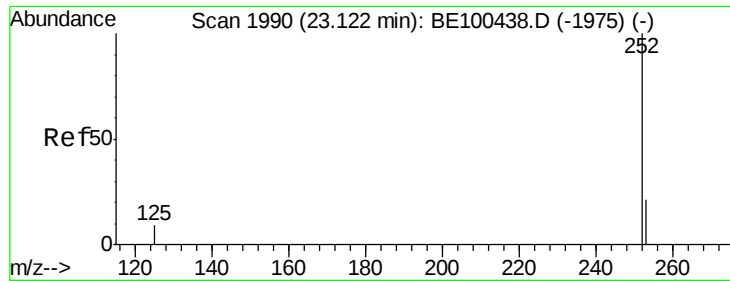
mohammad
 7/19/2019 2:27:05 PM



#34
 Perylene-d12
 Concen: 0.800 ng
 RT: 23.89 min Scan# 2207
 Delta R.T. 0.01 min
 Lab File: BE100444.D
 Acq: 16 Jul 2019 16:34

Tgt Ion:264 Resp: 82374
 Ion Ratio Lower Upper
 264 100
 260 28.1 20.0 30.0
 265 44.3 22.2 33.4#





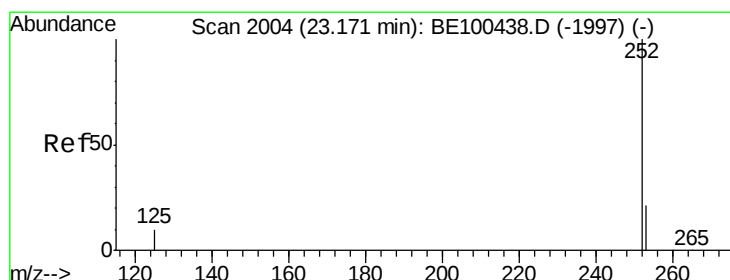
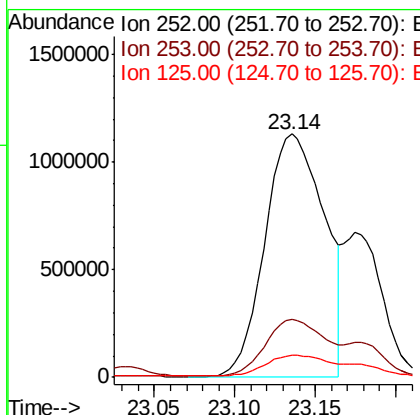
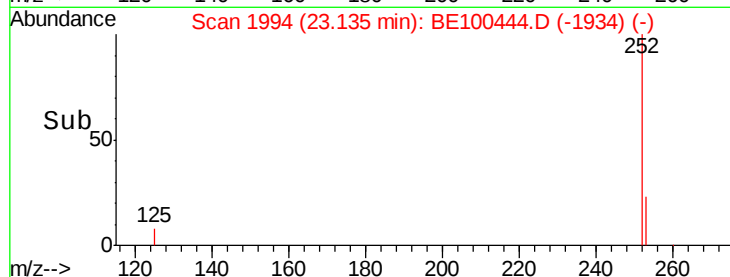
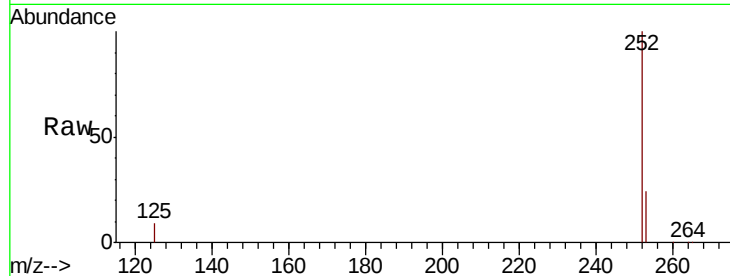
#35
Benzo(b)fluoranthene
Concen: 22.983 ng
RT: 23.14 min Scan# 1994
Delta R.T. 0.01 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion:252 Resp: 2892228
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 8.9 8.0 12.0

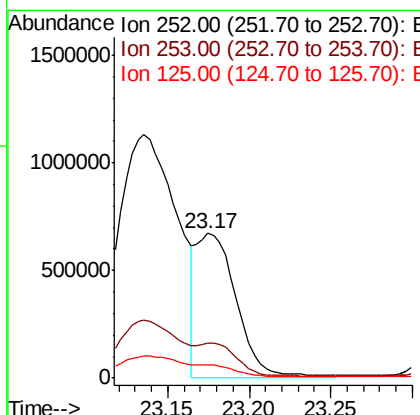
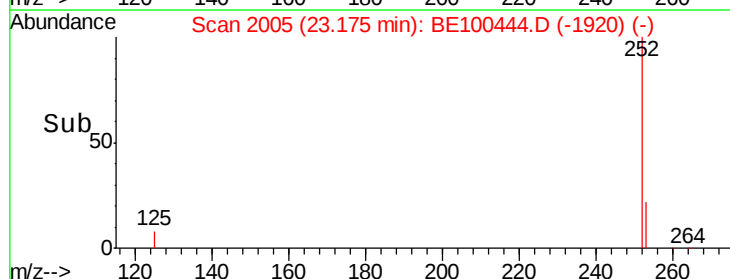
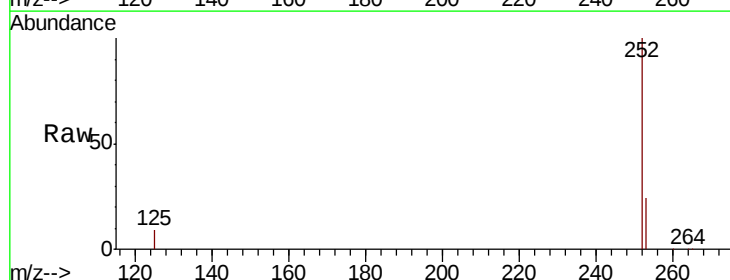
Manual Integrations
APPROVED

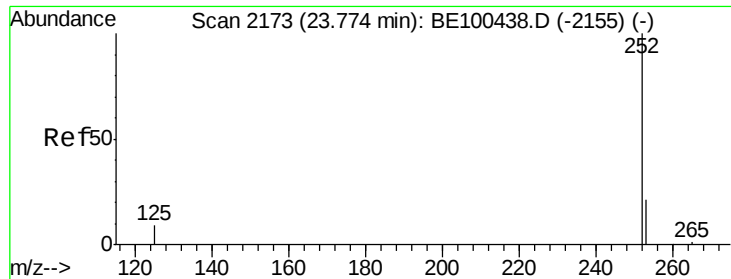
mohammad
7/19/2019 2:27:05 PM



#36
Benzo(k)fluoranthene
Concen: 8.791 ng m
RT: 23.17 min Scan# 2005
Delta R.T. 0.00 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion:252 Resp: 1170632
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 9.0 8.3 12.5





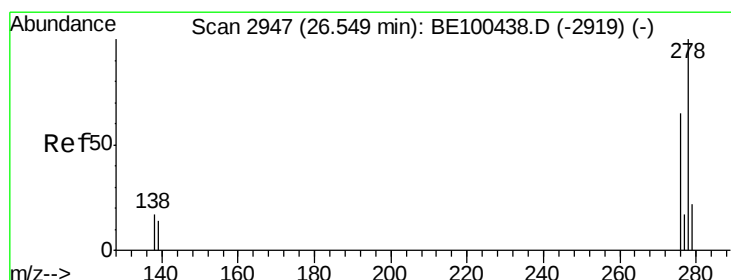
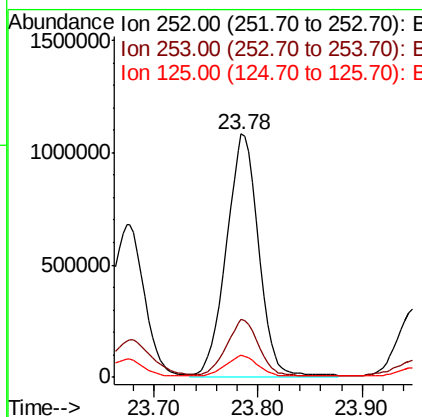
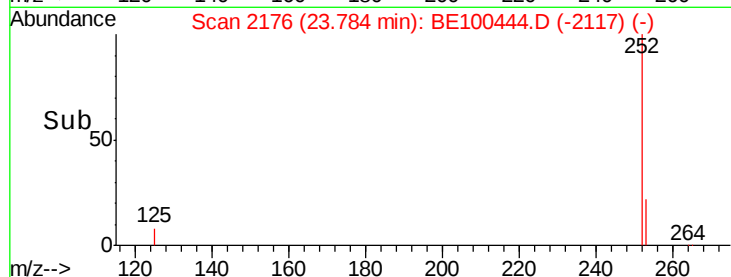
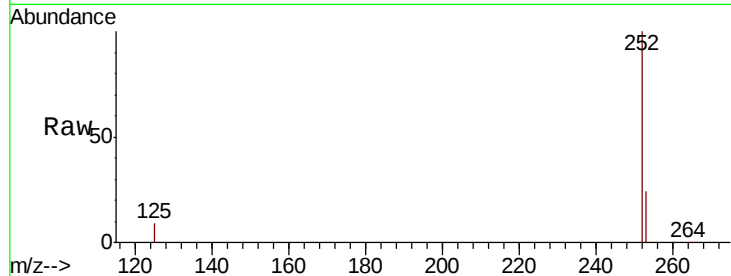
#37
Benzo(a)pyrene
Concen: 22.780 ng/mL
RT: 23.78 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4

Tot Ion: 252 Resp: 2357160
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 9.0 9.0 13.6#

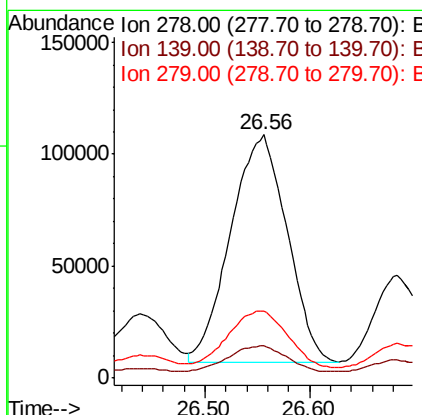
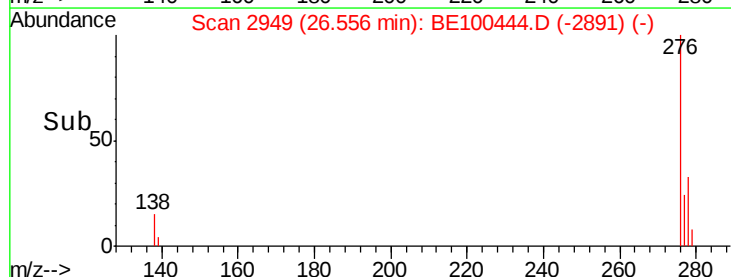
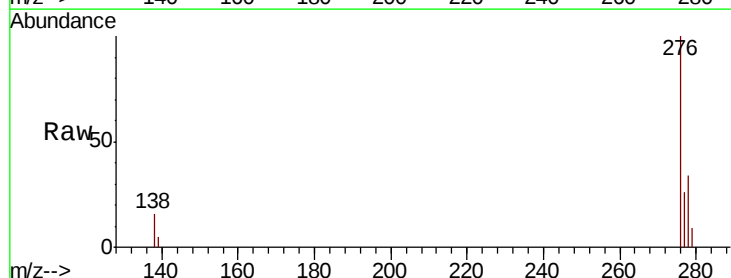
Manual Integrations
APPROVED

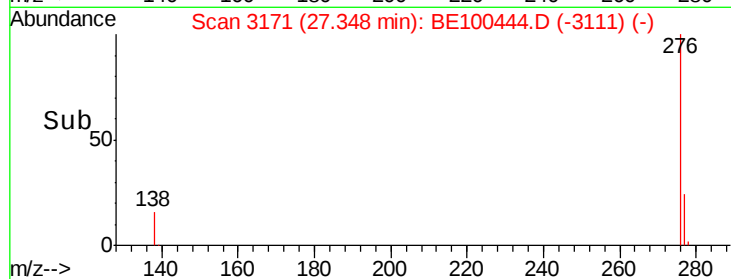
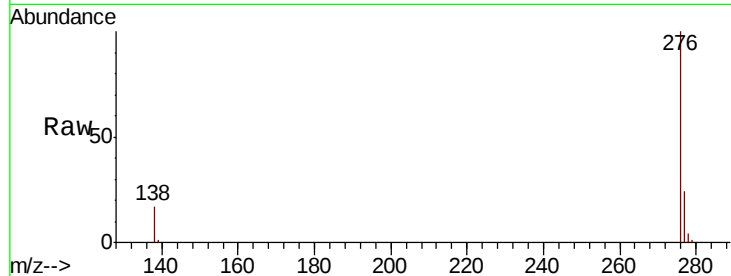
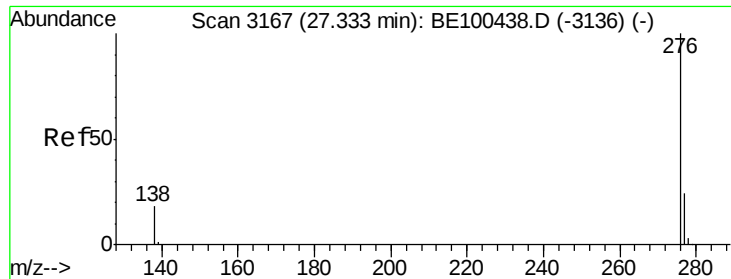
mohammad
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#38
Dibenzo(a,h)anthracene
Concen: 3.452 ng/mL
RT: 26.56 min Scan# 2949
Delta R.T. 0.01 min
Lab File: BE100444.D
Acq: 16 Jul 2019 16:34

Tgt Ion: 278 Resp: 380807
Ion Ratio Lower Upper
278 100
139 13.4 12.2 18.2
279 27.7 18.6 27.8





#39

Benzo(a,h,i)perylene

Concen: 12.330 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.01 min

Lab File: BE100444.D

Acq: 16 Jul 2019 16:34

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP4

Tot Ion: 276 Resp: 1422643

Ion Ratio Lower Upper

276 100

277 24.4 19.6 29.4

138 16.5 15.1 22.7

Manual Integrations

APPROVED

mohammad

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