

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
 Data File : BE100446.D
 Acq On : 16 Jul 2019 17:47
 Operator : HP/JU
 Sample : K3819-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1

Manual Integrations
 APPROVED

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Quant Time: Jul 16 18:24:26 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	7.89	152	5675	0.80	ng	0.00
7) Naphthalene-d8	10.68	136	24103	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	15000	0.80	ng	0.00
19) Phenanthrene-d10	17.24	188	38685	0.80	ng	0.01
27) Chrysene-d12	21.40	240	46606	0.80	ng	0.01
34) Perylene-d12	23.90	264	52411	0.80	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	3652	0.68	ng	0.00
5) Phenol-d6	7.05	99	5572	0.70	ng	0.00
8) Nitrobenzene-d5	9.03	82	3911	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	7851	0.43	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1663	0.98	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	10605	0.32	ng	0.00
25) Fluoranthene-d10	19.26	212	93407	0.41	ng	0.00
29) Terphenyl-d14	19.86	244	17622	0.31	ng	0.00

Target Compounds					Qvalue	
9) Naphthalene	10.73	128	89506	0.762	ng	100
12) 2-Methylnaphthalene	12.34	142	8938	0.455	ng	98
16) Acenaphthylene	14.24	152	61589	2.030	ng	99
17) Acenaphthene	14.57	154	41518	1.992	ng	97
18) Fluorene	15.54	166	56011	2.084	ng	97
23) Phenanthrene	17.28	178	983308	19.080	ng	99
24) Anthracene	17.36	178	250789	5.896	ng	99
26) Fluoranthene	19.29	202	1920316	29.317	ng	98
28) Pyrene	19.65	202	1768730	25.946	ng	# 93
30) Benzo(a)anthracene	21.38	228	1163888	18.403	ng	95
31) Chrysene	21.44	228	1021534	13.601	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	2468223	54.412	ng	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	662576	9.923	ng	# 94
35) Benzo(b)fluoranthene	23.13	252	1329294	16.602	ng	97
36) Benzo(k)fluoranthene	23.18	252	504922m	5.959	ng	
37) Benzo(a)pyrene	23.78	252	1001070	15.205	ng	97
38) Dibenzo(a,h)anthracene	26.56	278	179127	2.552	ng	# 89
39) Benzo(a,h,i)perylene	27.35	276	644994	8.786	ng	97

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

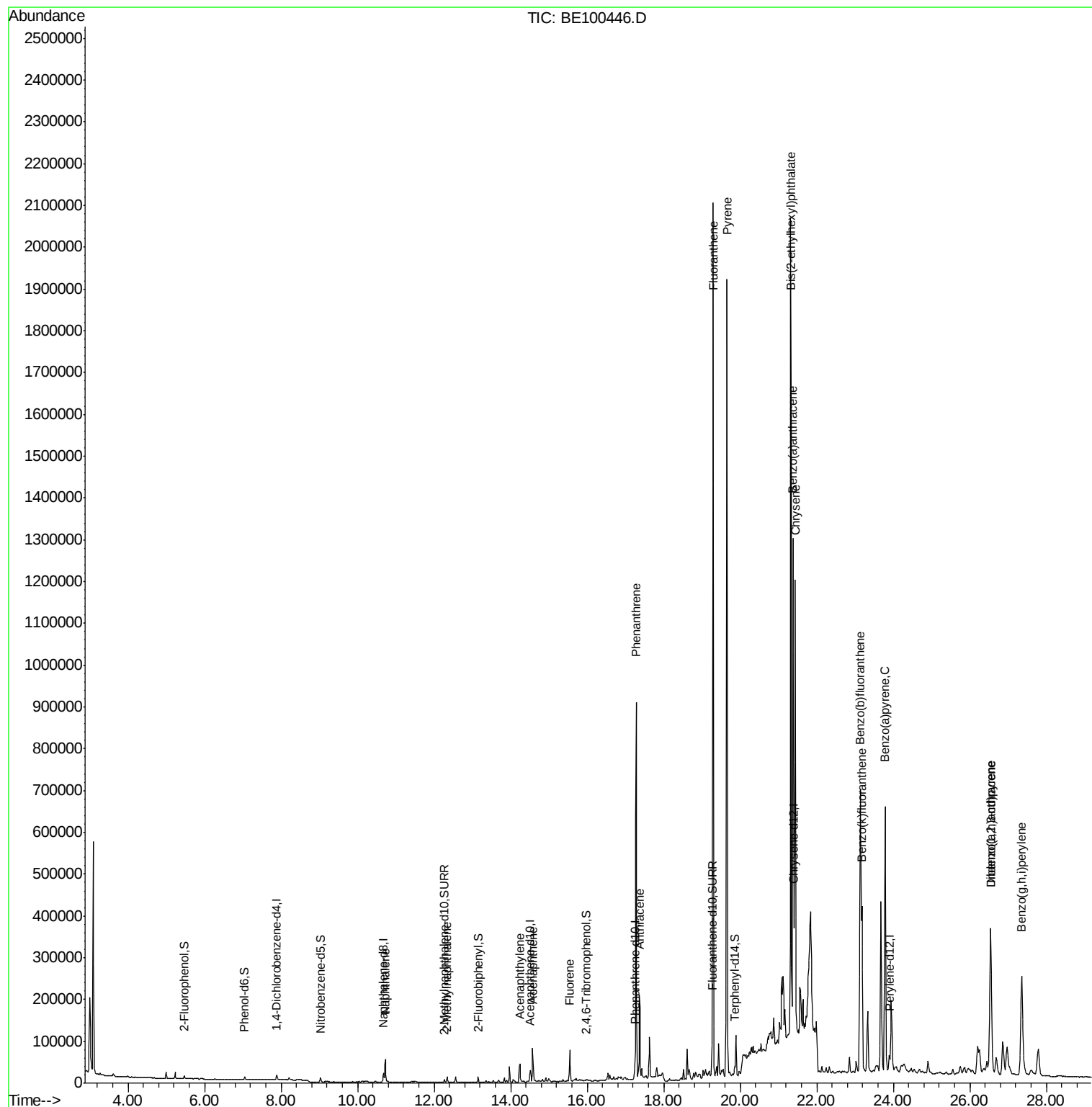
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
Data File : BE100446.D
Acq On : 16 Jul 2019 17:47
Operator : HP/JU
Sample : K3819-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

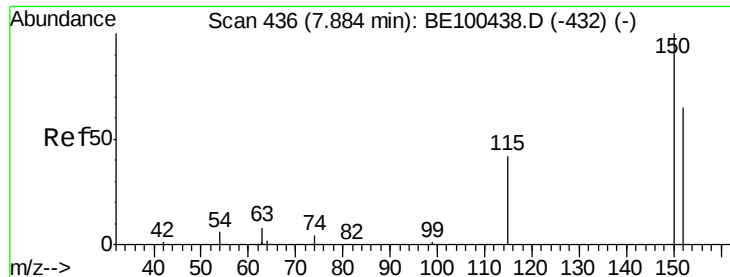
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

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#1

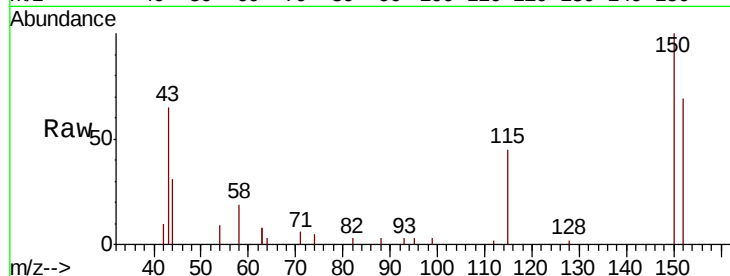
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.5	121.7	182.5
115	65.4	52.4	78.6

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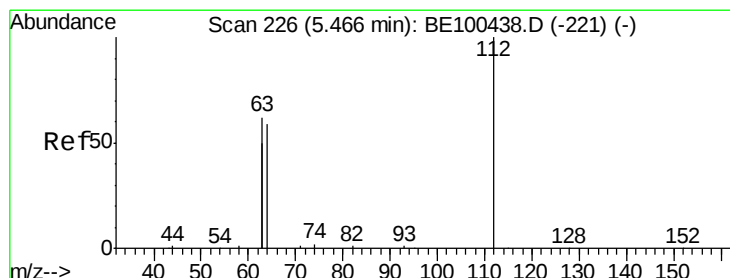
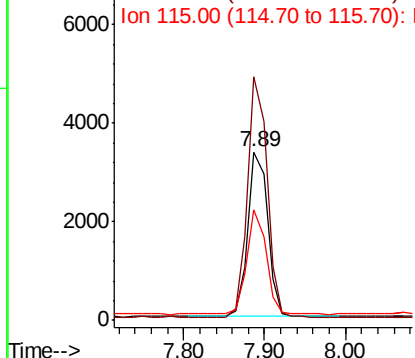
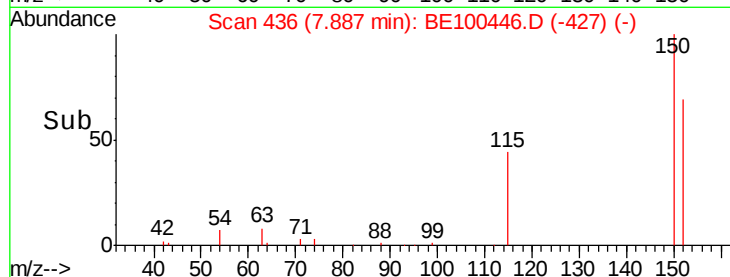


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

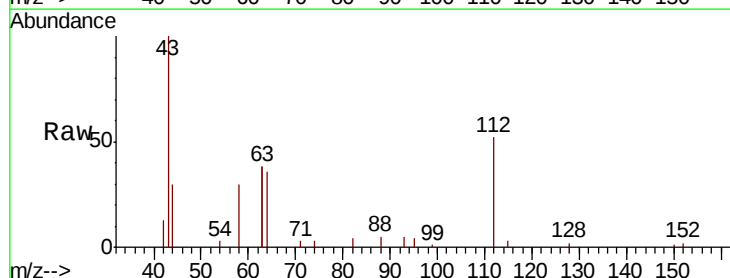
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.676 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	55.0	82.4
63	140.6	114.8	172.2

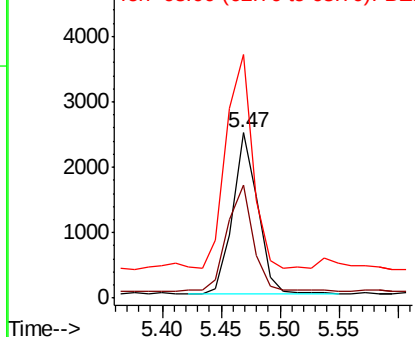
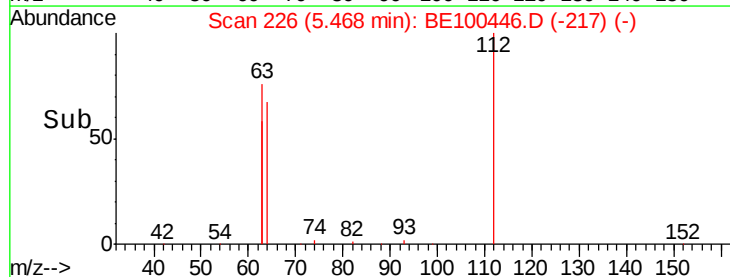


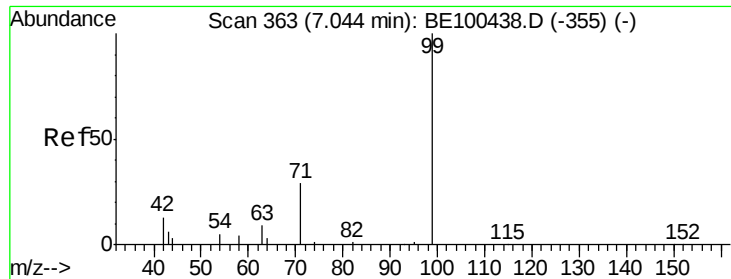
Abundance

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: 0.698 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Instrument :

BNA_E

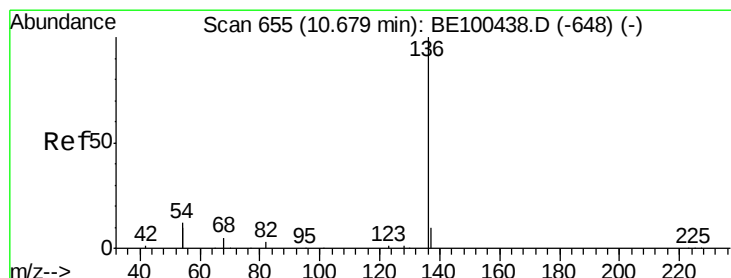
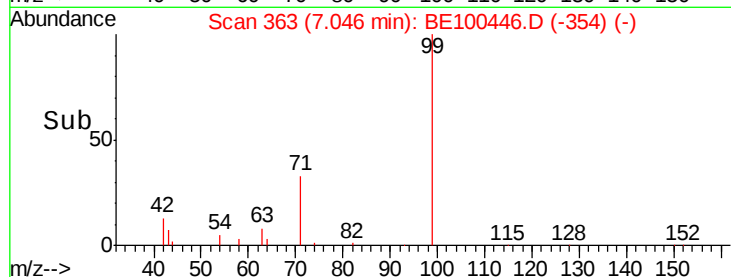
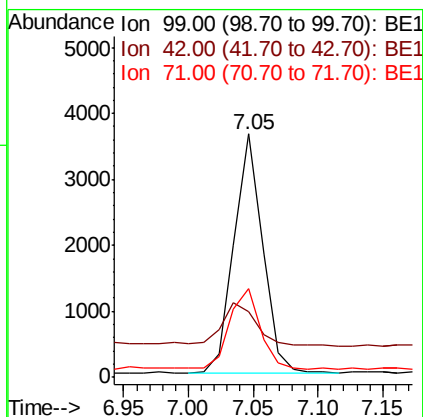
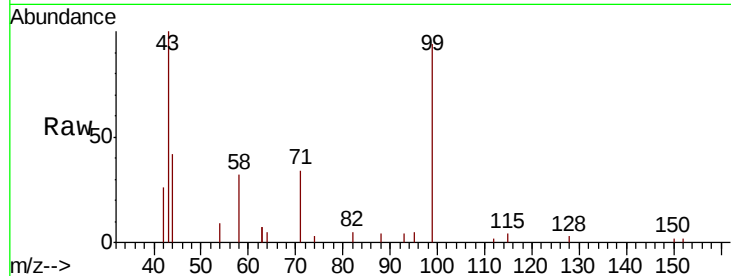
ClientSampleId :

HJDC-COMP1

Tot Ion:	99	Resp:	5572
Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.4	26.2
71	35.9	28.2	42.4

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#7

Naphthalene-d8

Concen: 0.800 ng

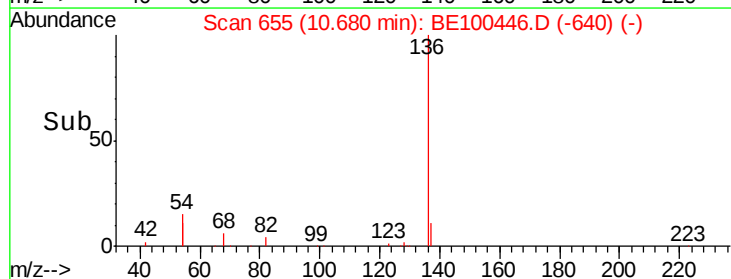
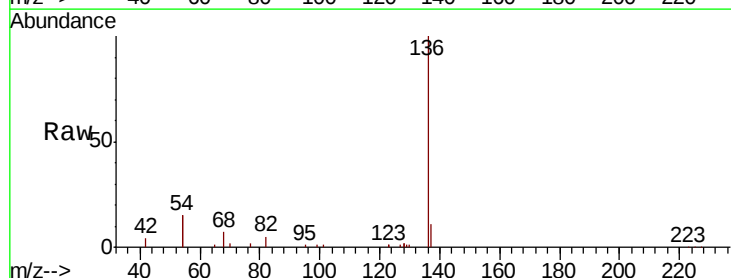
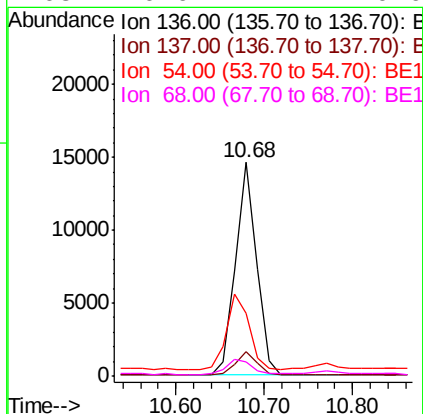
RT: 10.68 min Scan# 655

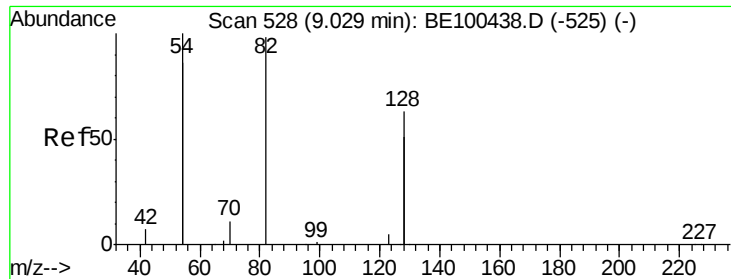
Delta R.T. 0.00 min

Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Tgt Ion:	136	Resp:	24103
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	29.2	19.6	29.4
68	6.6	4.4	6.6#





#8

Nitrobenzene-d5

Concen: 0.588 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Instrument :

BNA_E

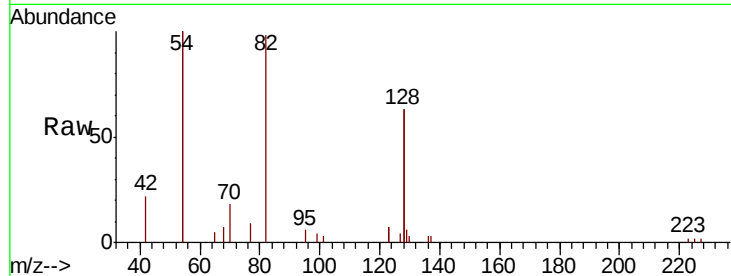
ClientSampleId :

HJDC-COMP1

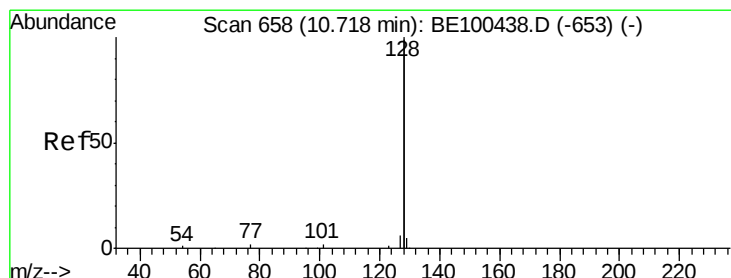
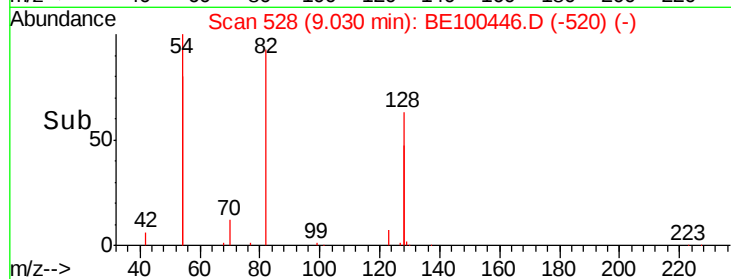
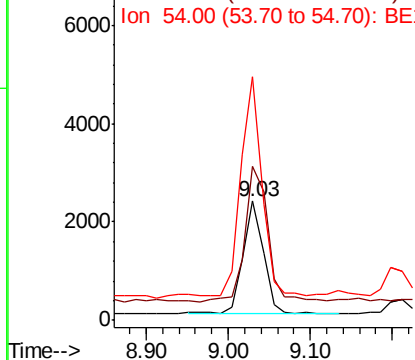
Tot Ion:	82	Resp:	3911
Ion Ratio	Lower	Upper	
82	100		
128	129.3	97.9	146.9
54	204.4	155.0	232.6

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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: 0.762 ng

RT: 10.73 min Scan# 659

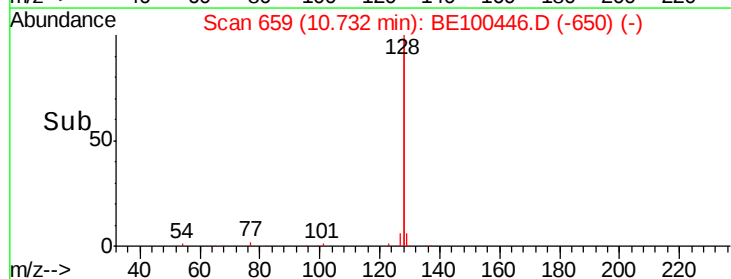
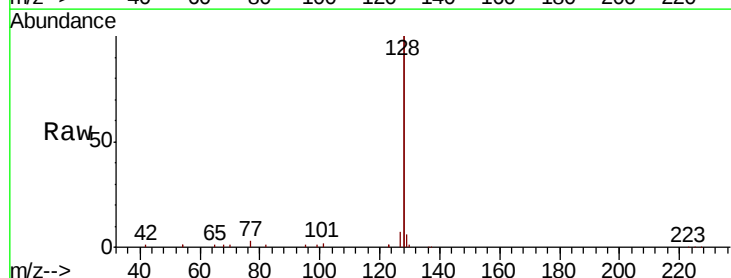
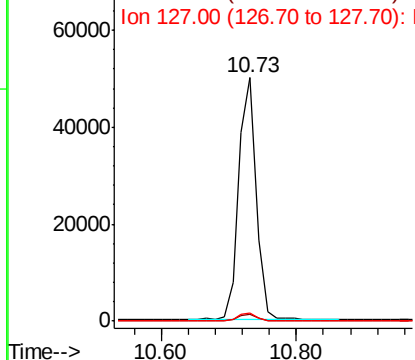
Delta R.T. 0.01 min

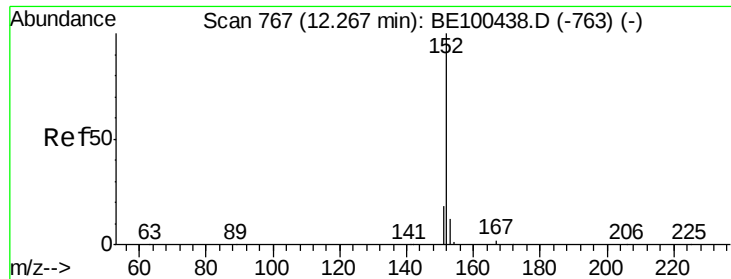
Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Tgt Ion:	128	Resp:	89506
Ion Ratio	Lower	Upper	
128	100		
129	3.0	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





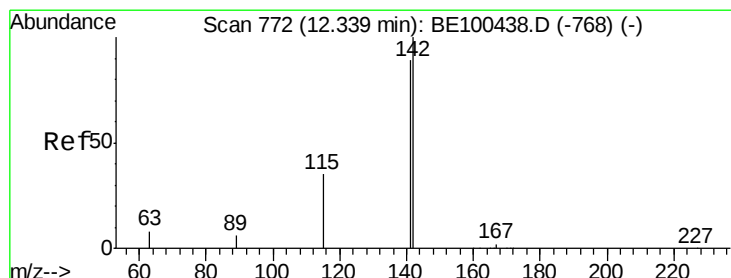
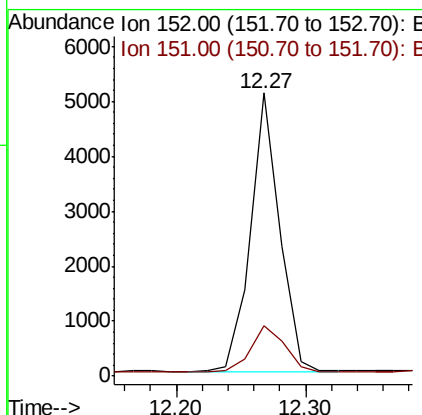
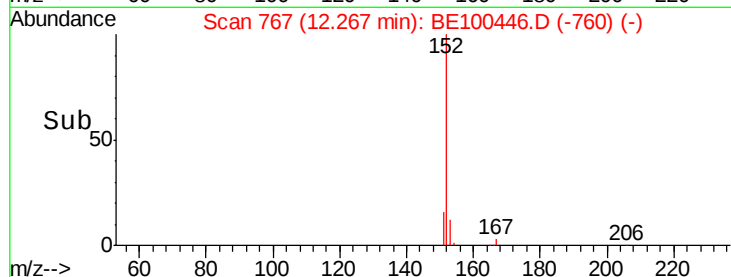
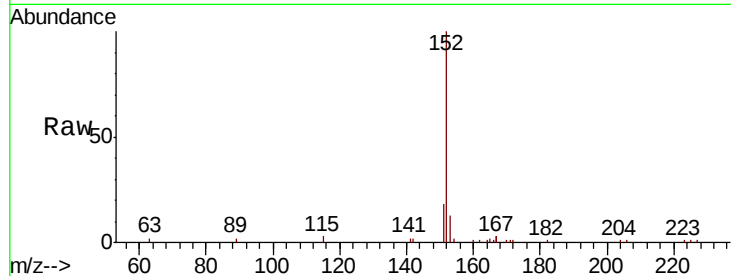
#11
2-Methylnaphthalene-d10
Concen: 0.431 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.0	24.0

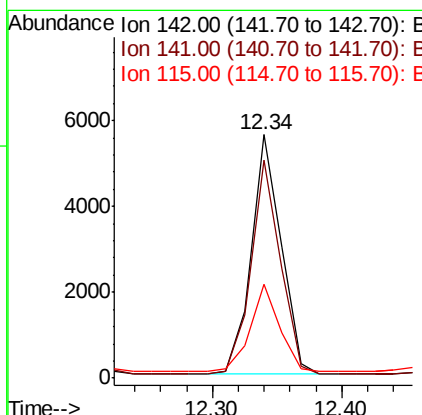
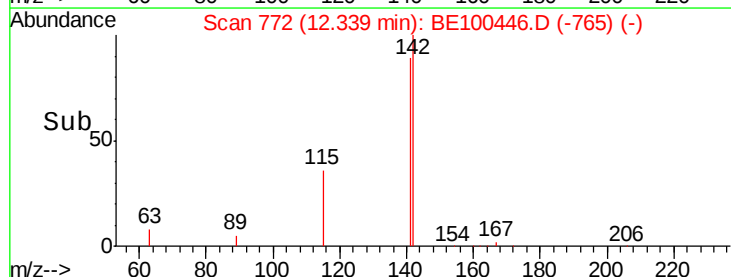
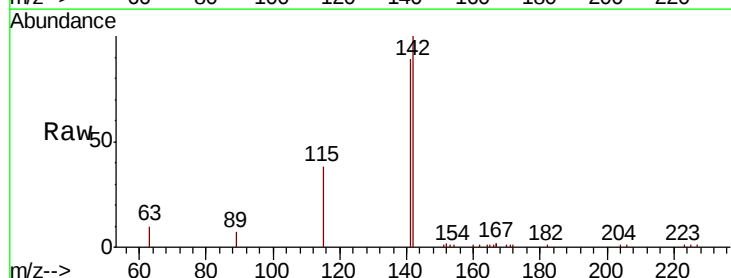
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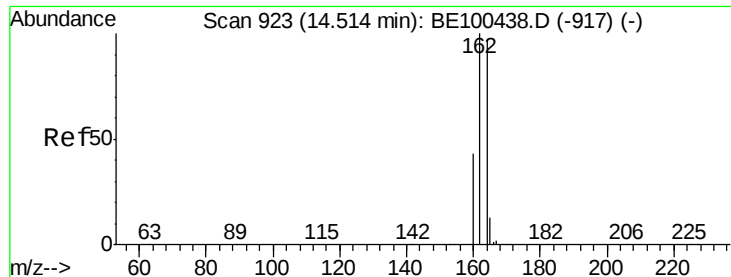
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#12
2-Methylnaphthalene
Concen: 0.455 ng
RT: 12.34 min Scan# 772
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.9	106.3
115	38.4	29.0	43.4





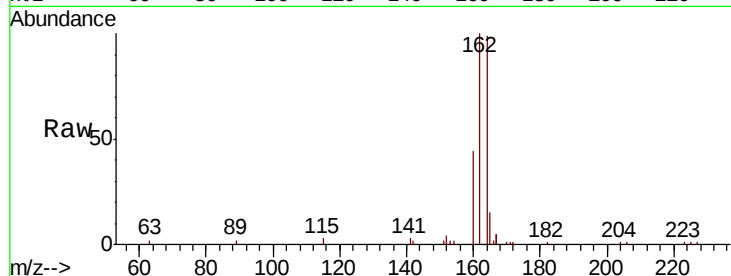
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	124.0
160	44.5	35.6	53.4

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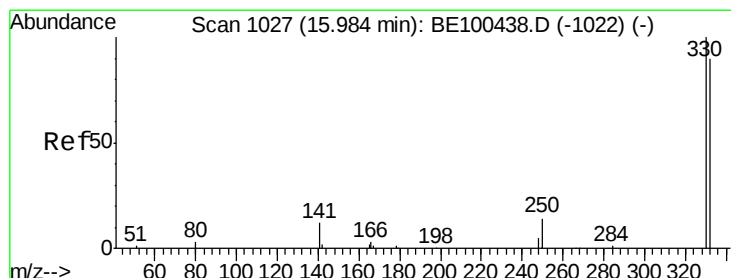
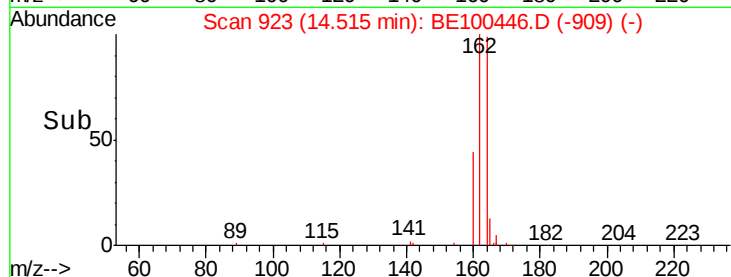
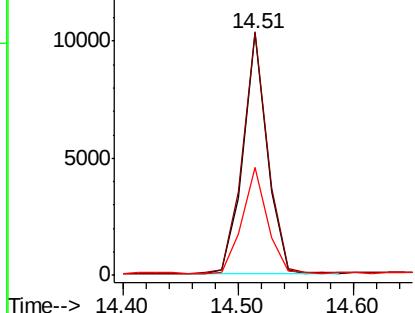


Abundance

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: 0.981 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

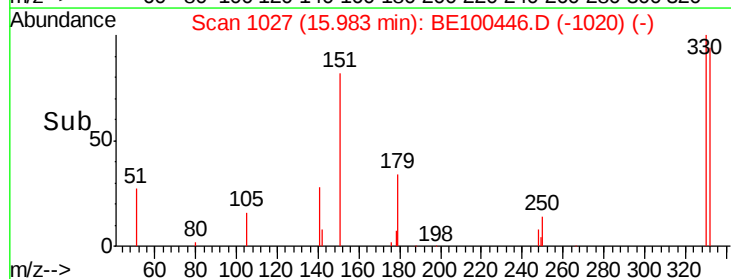
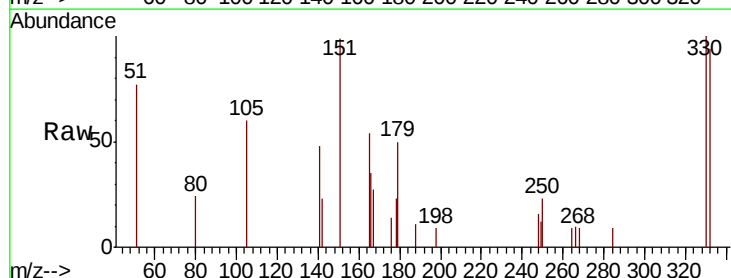
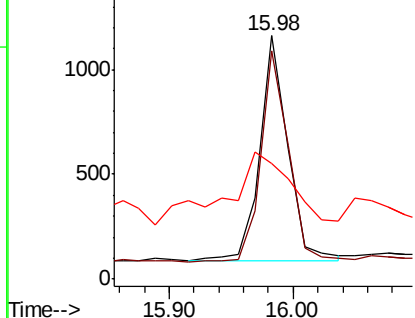
Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.3	76.3	114.5
141	53.0	28.1	42.1#

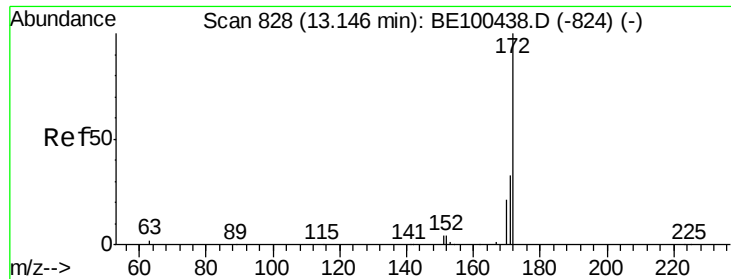
Abundance

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





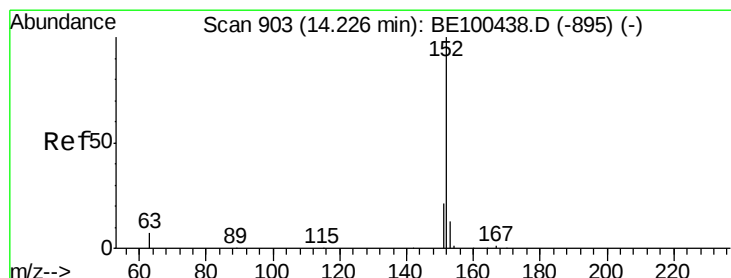
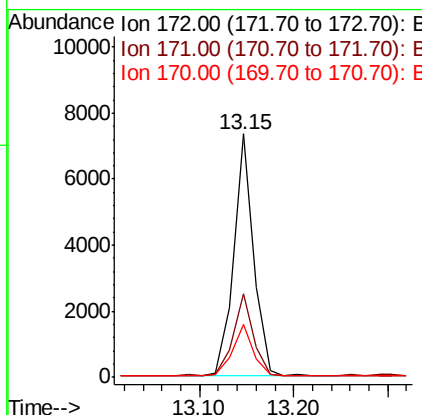
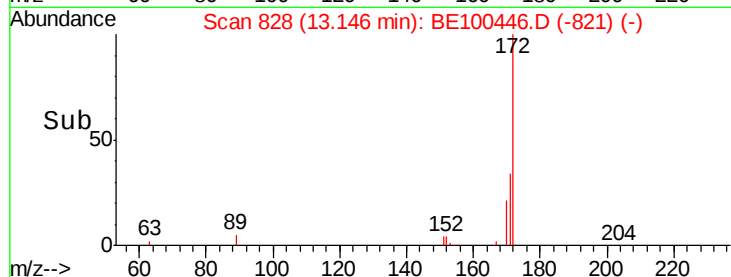
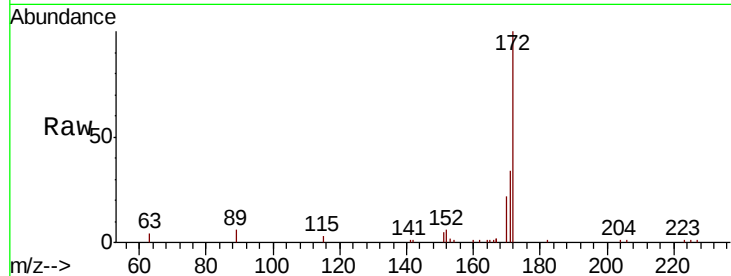
#15
2-Fluorobiphenyl
Concen: 0.316 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.0	40.4
170	21.7	17.4	26.0

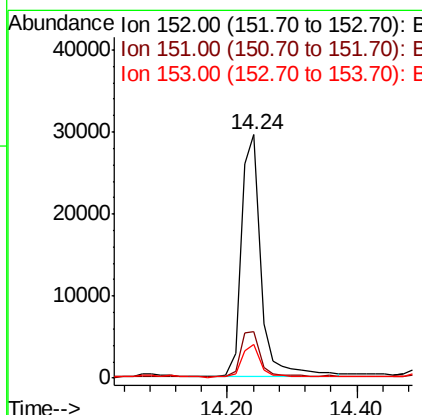
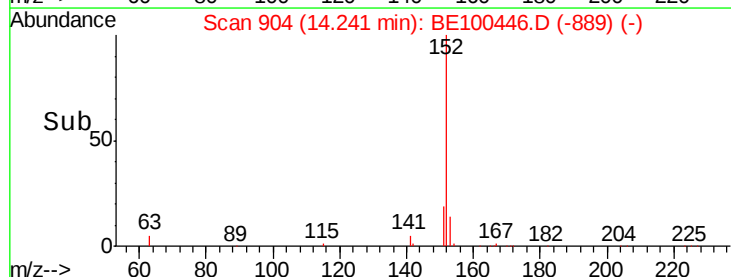
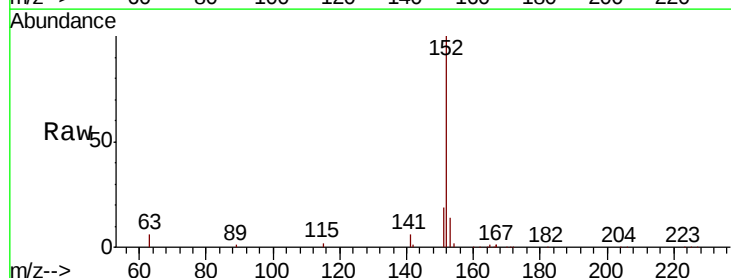
Manual Integrations
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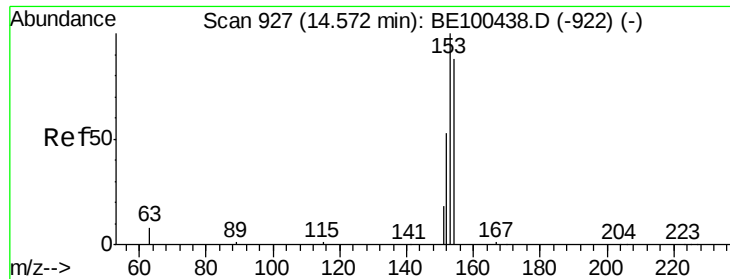
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#16
Acenaphthylene
Concen: 2.030 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	13.6	10.4	15.6





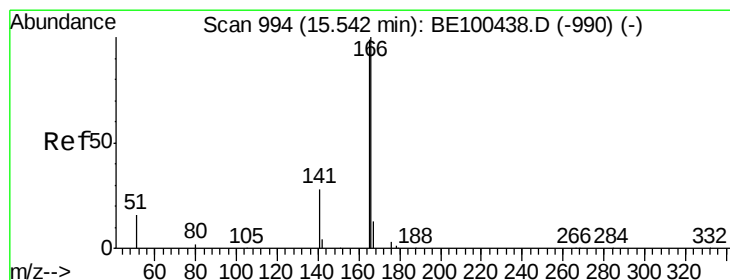
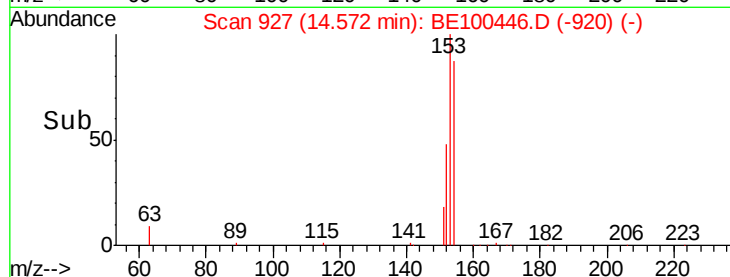
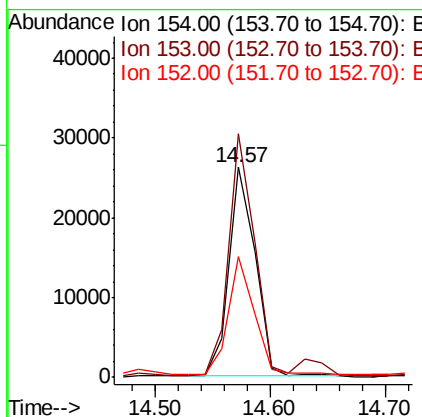
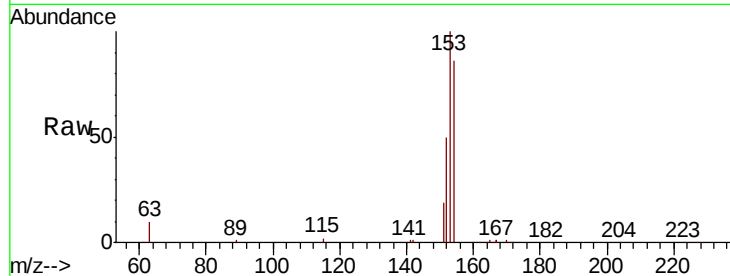
#17
Acenaphthene
Concen: 1.992 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.7	91.0	136.4
152	55.0	49.4	74.2

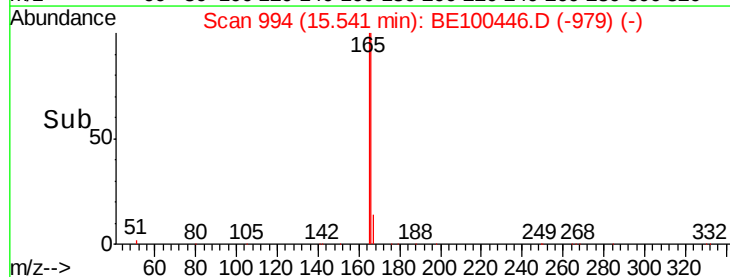
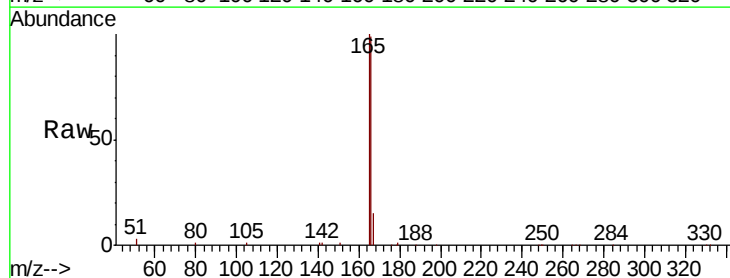
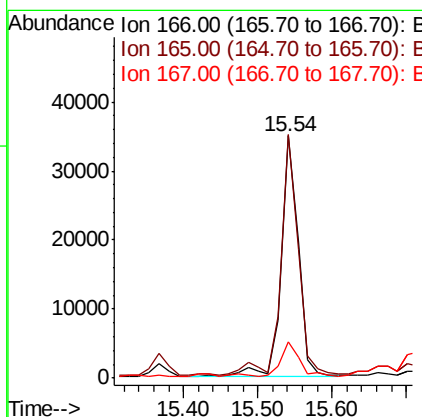
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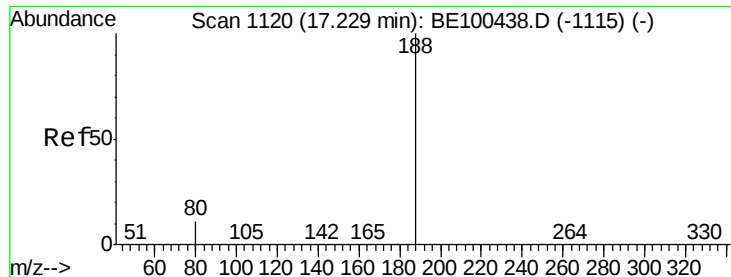
mohammad
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#18
Fluorene
Concen: 2.084 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	79.6	119.4
167	14.6	10.6	15.8





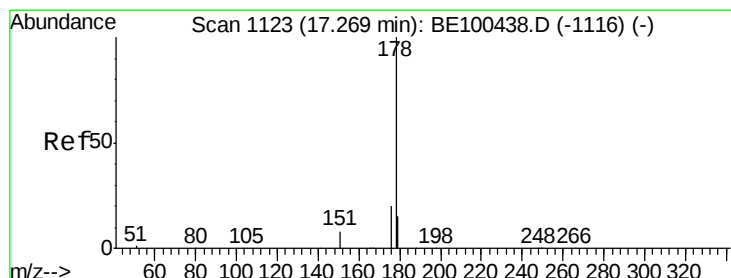
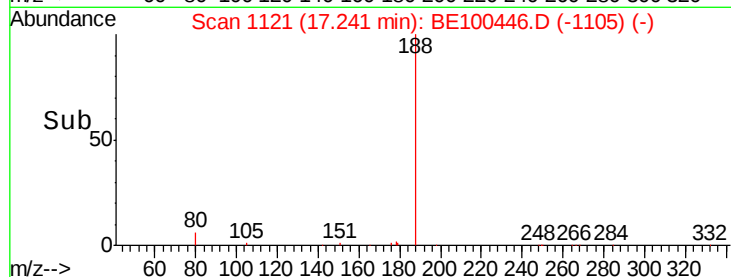
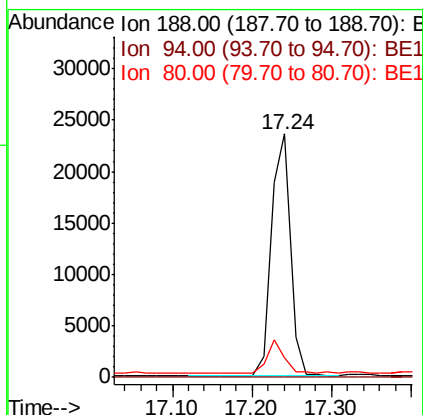
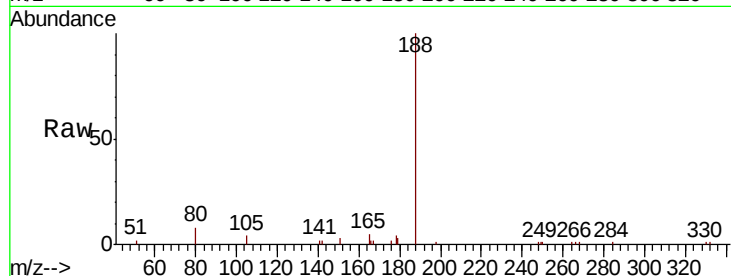
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	9.2	13.8#

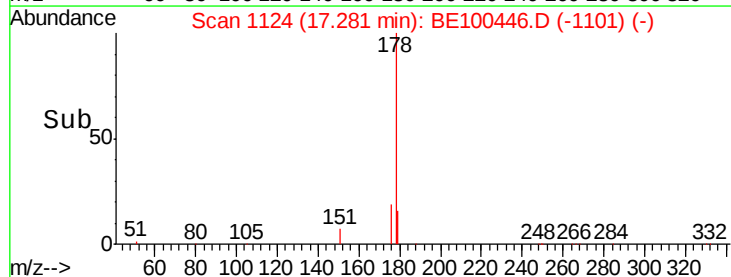
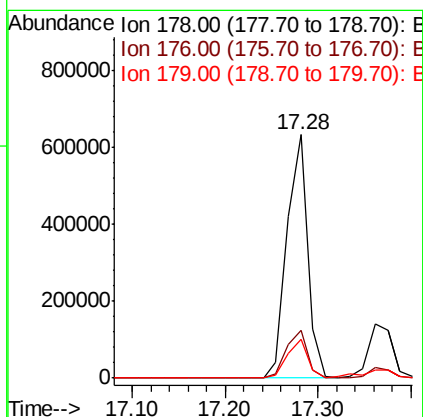
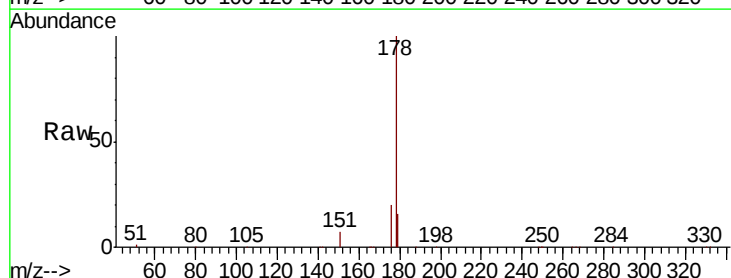
Manual Integrations
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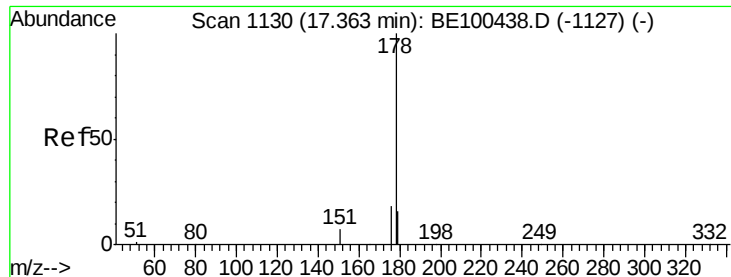
mohammad
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#23
Phenanthrene
Concen: 19.080 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.5	23.3
179	15.8	12.4	18.6





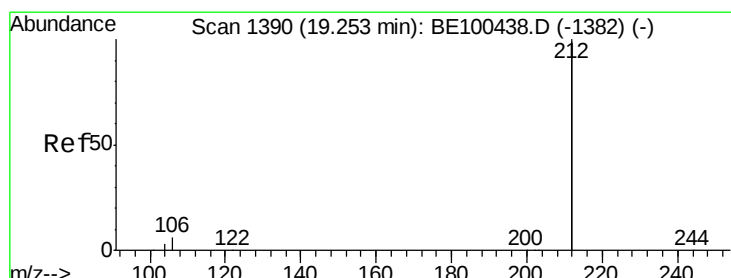
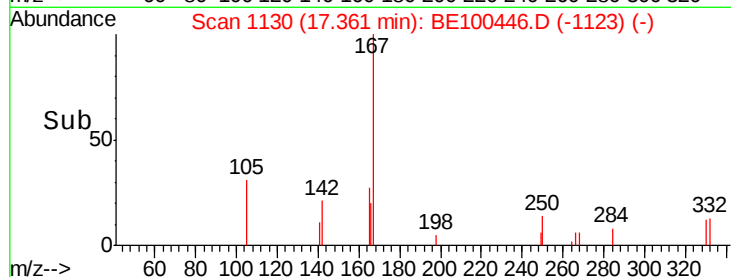
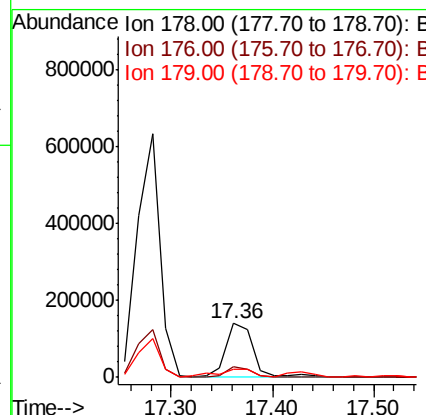
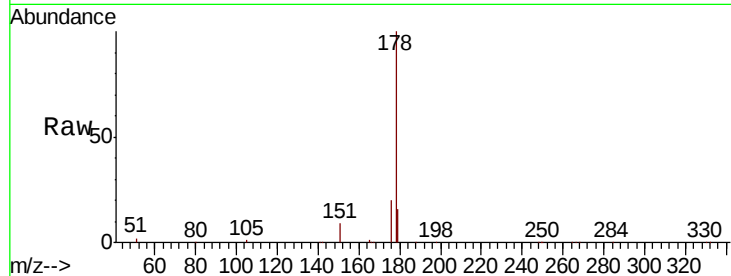
#24
 Anthracene
 Concen: 5.896 ng
 RT: 17.36 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BE100446.D
 Acq: 16 Jul 2019 17:47

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.4	12.3	18.5

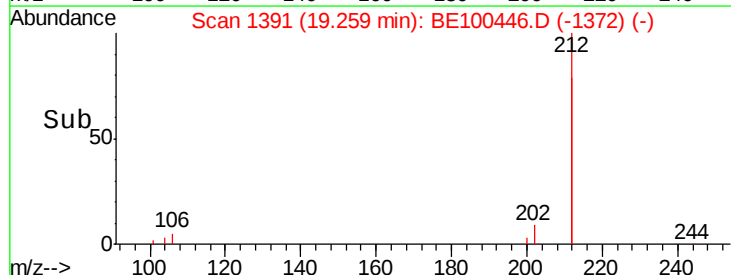
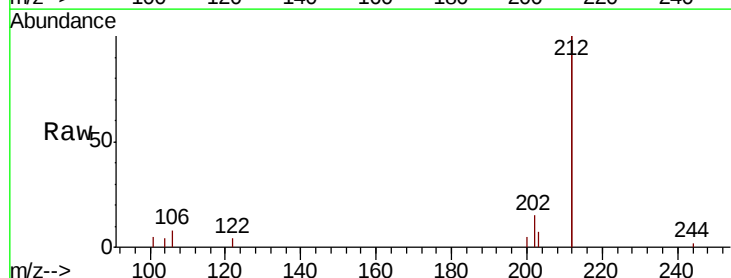
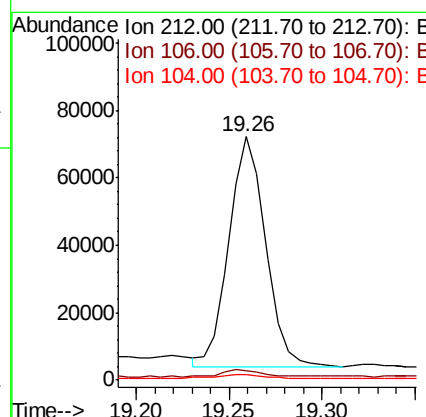
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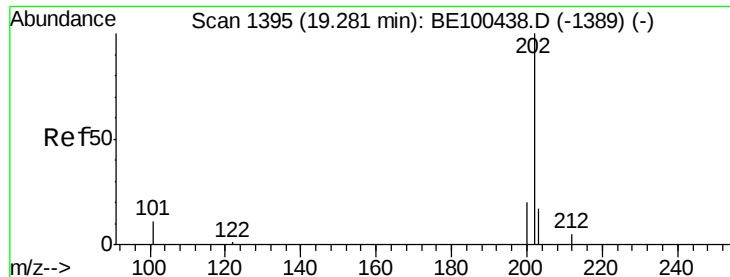
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.405 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: BE100446.D
 Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	2.0	1.4	2.2





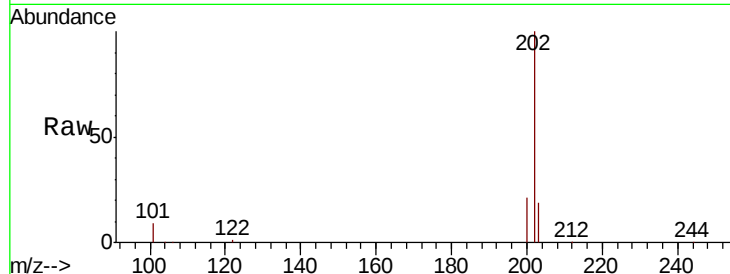
#26
Fluoranthene
Concen: 29.317 ng
RT: 19.29 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.9	13.3
203	18.1	13.8	20.6

Manual Integrations
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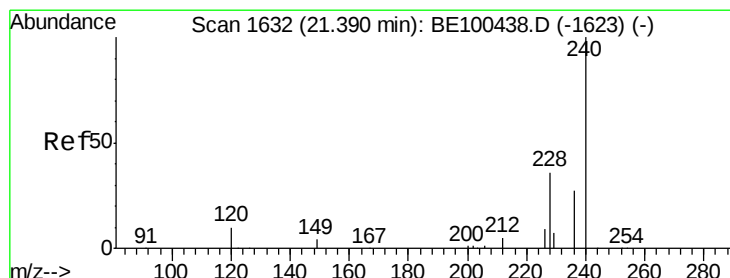
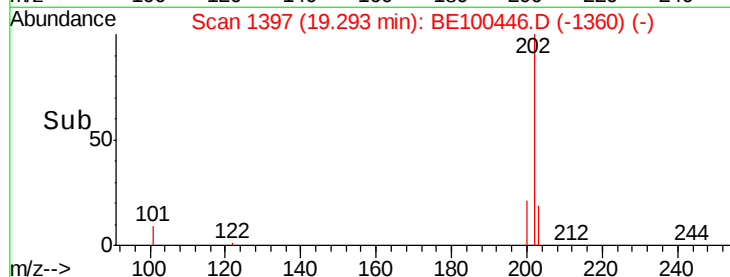
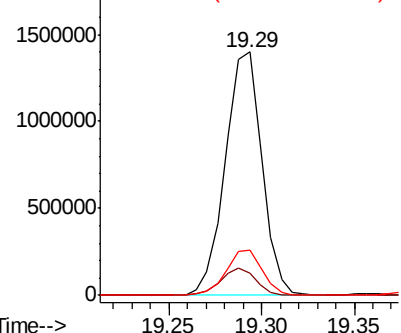


Abundance

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: 0.800 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

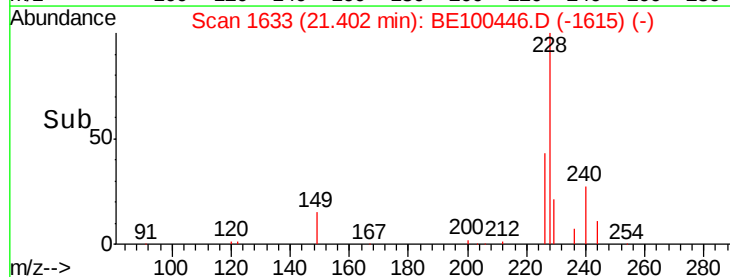
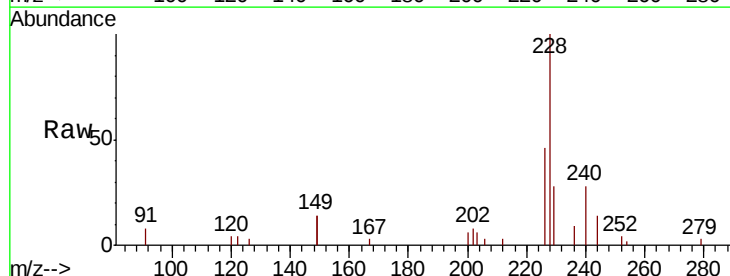
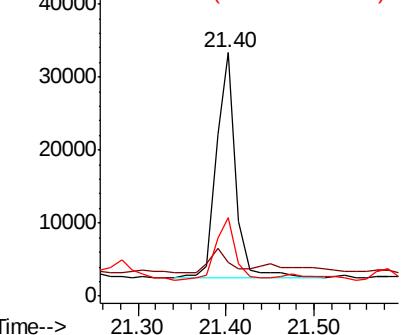
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.0	8.8	13.2#
236	32.2	22.0	33.0

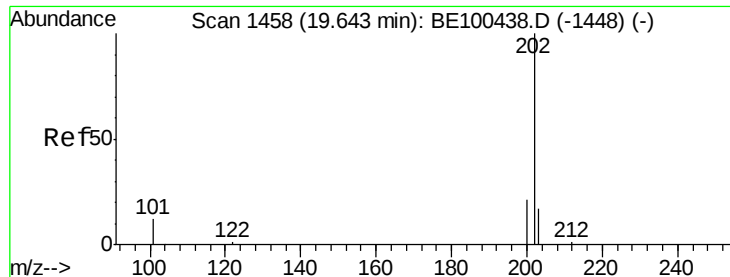
Abundance

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





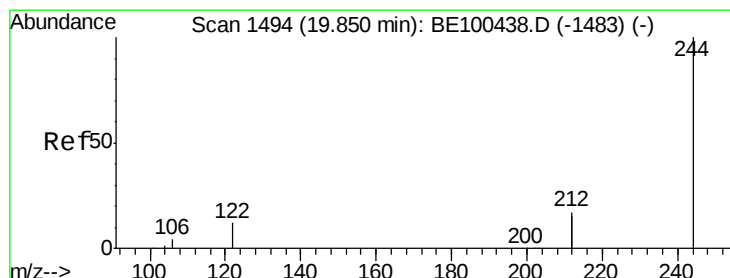
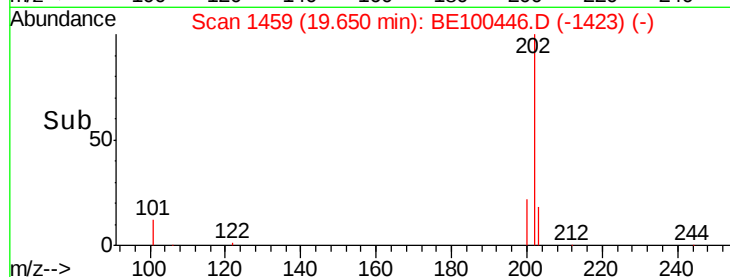
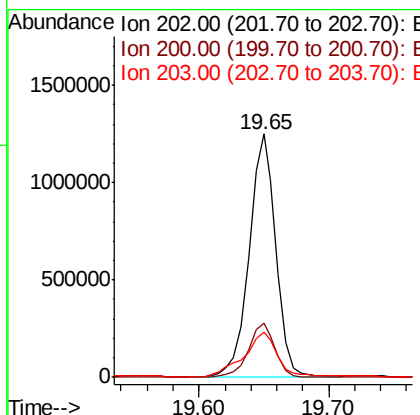
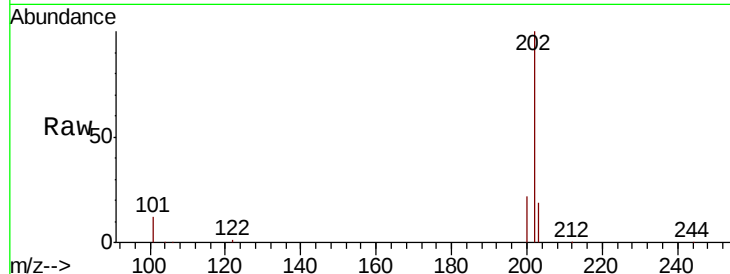
#28
Pvrene
Concen: 25.946 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.8	25.2
203	23.1	13.8	20.8

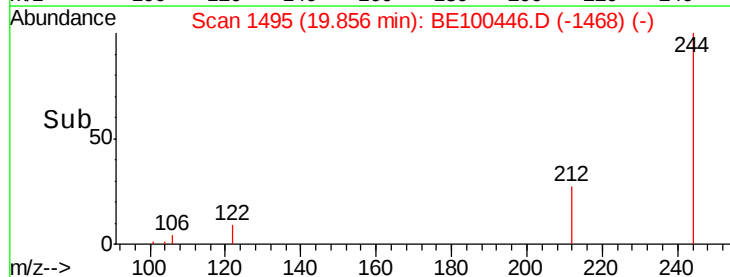
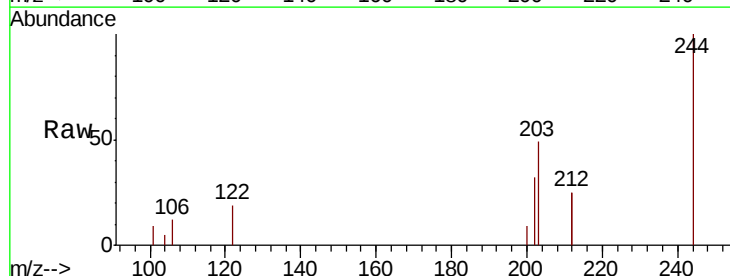
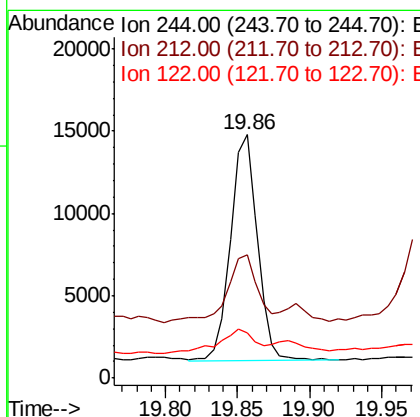
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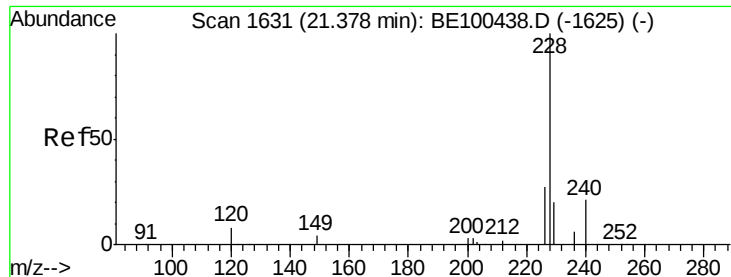
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#29
Terphenyl-d14
Concen: 0.309 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	50.8	26.3	39.5
122	18.8	9.4	14.2





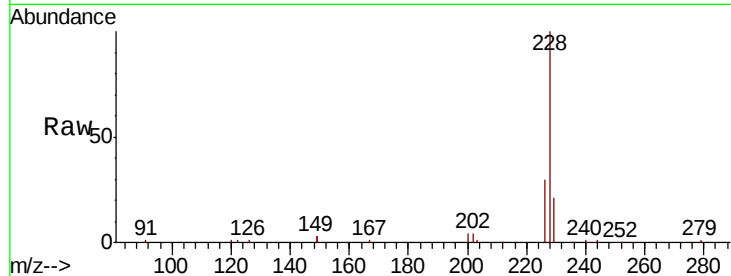
#30
Benzo(a)anthracene
Concen: 18.403 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

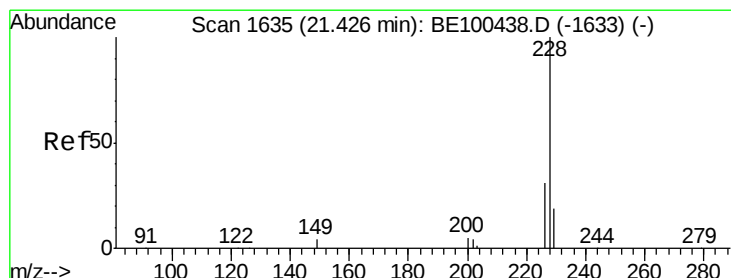
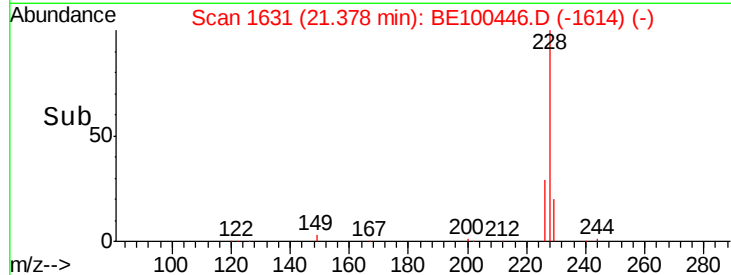
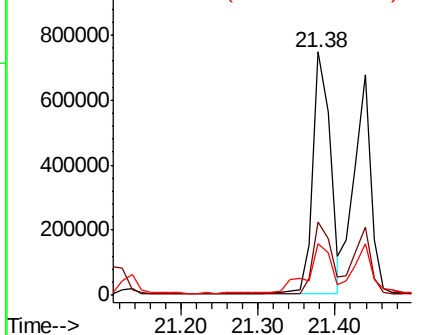
Tot Ion:228 Resp: 1163888
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.1 15.8 23.8

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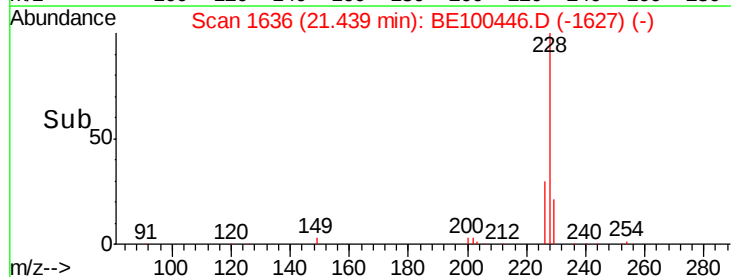
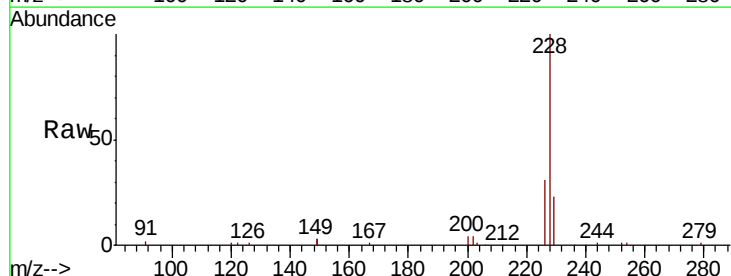
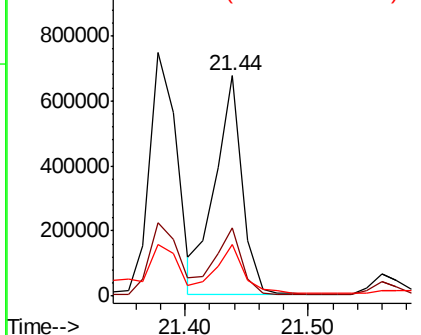
Abundance Ion 228.00 (227.70 to 228.70): E
1000000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

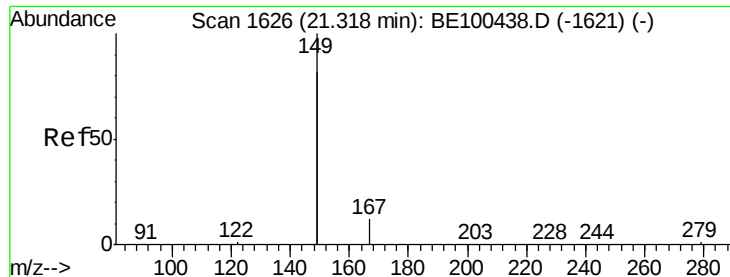


#31
Chrysene
Concen: 13.601 ng
RT: 21.44 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion:228 Resp: 1021534
Ion Ratio Lower Upper
228 100
226 30.7 24.8 37.2
229 23.3 15.8 23.6

Abundance Ion 228.00 (227.70 to 228.70): E
1000000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 54.412 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP1

Tot Ion:149 Resp: 2468223

Ion Ratio Lower Upper

149 100

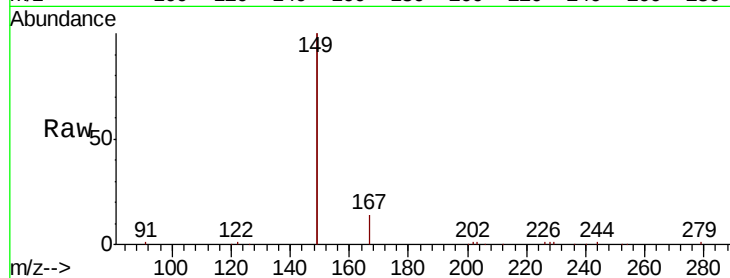
167 7.3 5.0 7.6

279 1.3 1.2 1.8

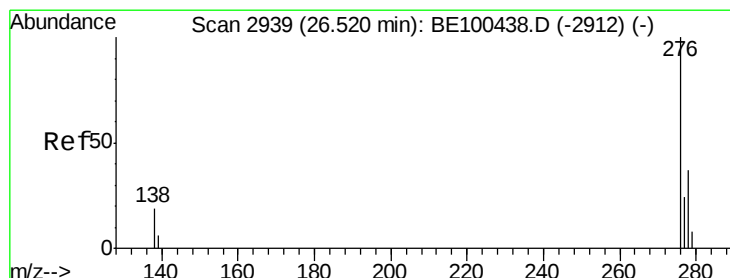
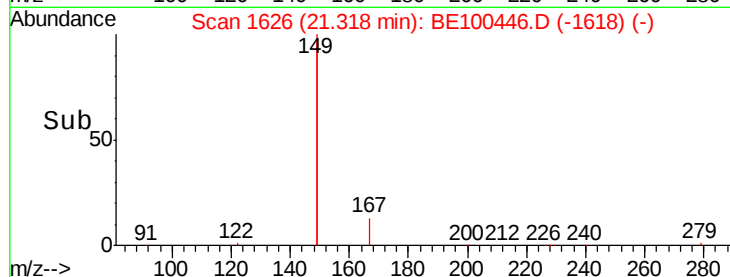
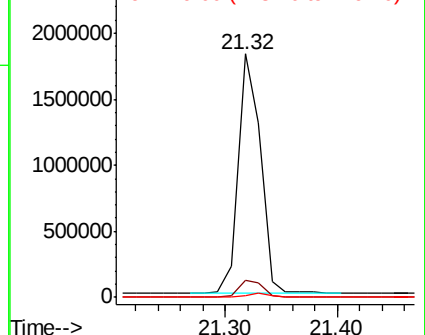
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Abundance Ion 149.00 (148.70 to 149.70): E
2500000
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 9.923 ng

RT: 26.54 min Scan# 2945

Delta R.T. 0.02 min

Lab File: BE100446.D

Acq: 16 Jul 2019 17:47

Tgt Ion:276 Resp: 662576

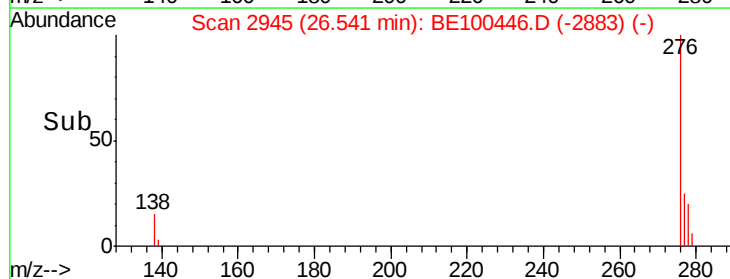
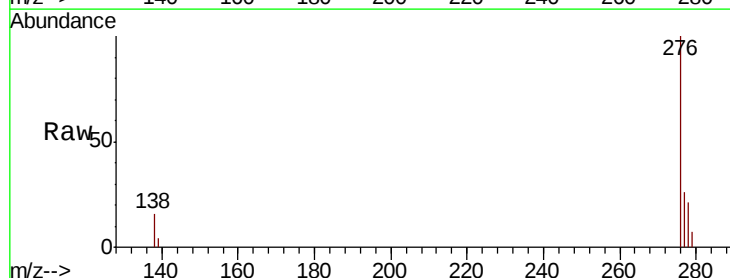
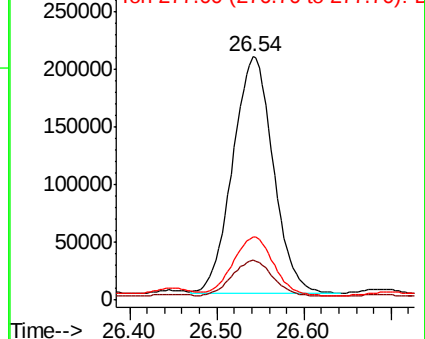
Ion Ratio Lower Upper

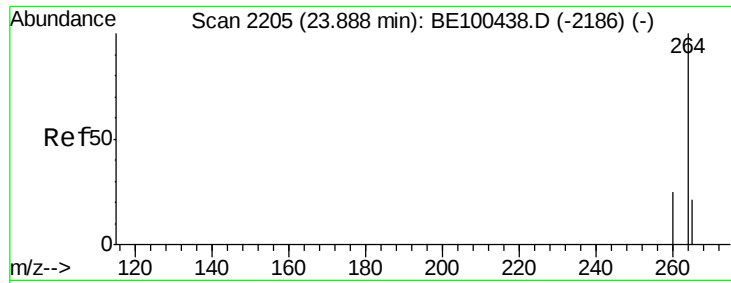
276 100

138 15.6 17.0 25.6#

277 25.0 19.8 29.6

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





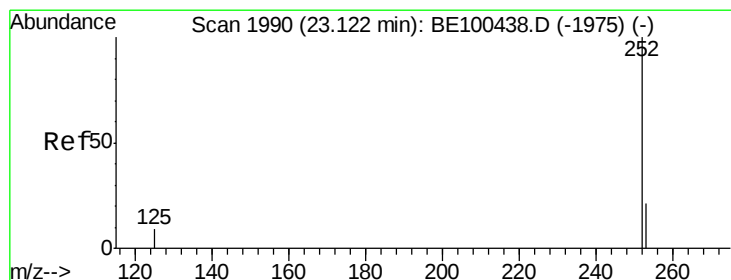
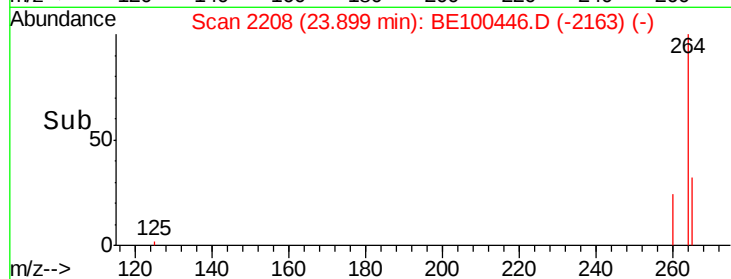
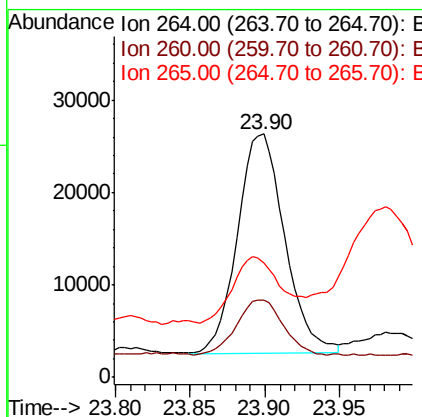
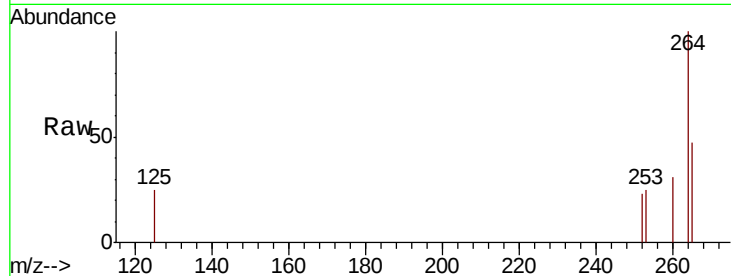
#34
Pervlene-d12
Concen: 0.800 ng
RT: 23.90 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
264	100		
260	31.5	20.0	30.0#
265	47.1	22.2	33.4#

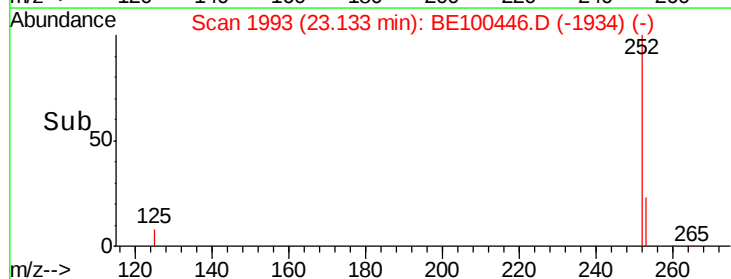
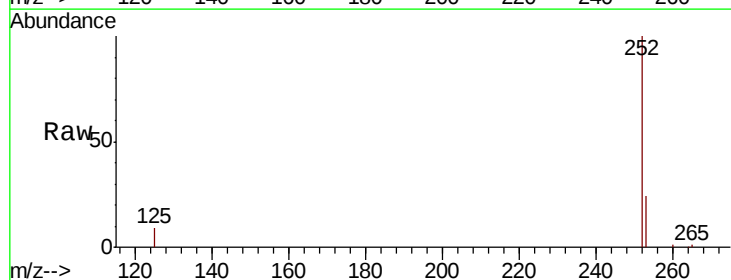
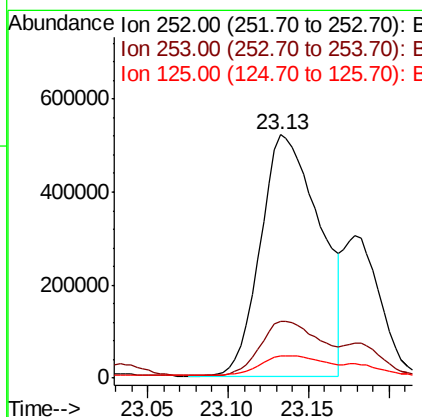
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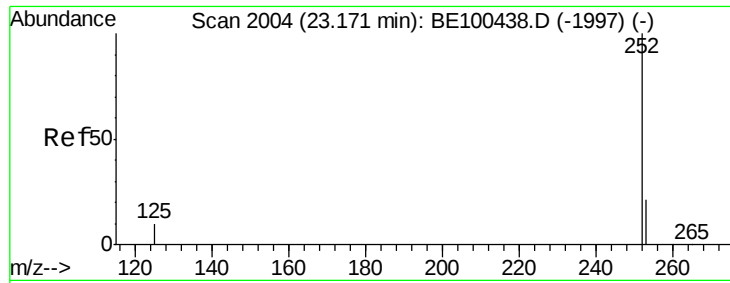
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#35
Benzo(b)fluoranthene
Concen: 16.602 ng
RT: 23.13 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	9.1	8.0	12.0





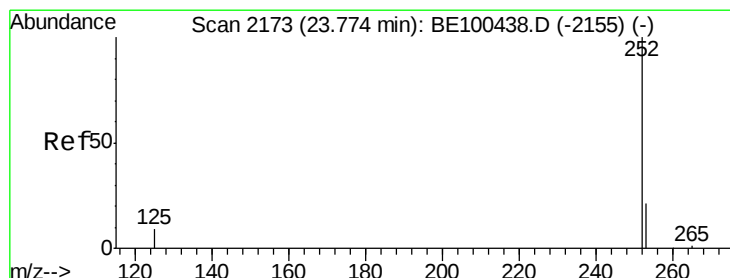
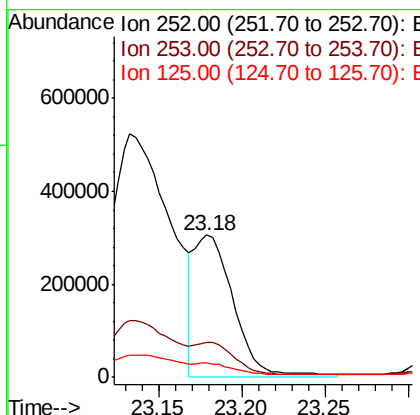
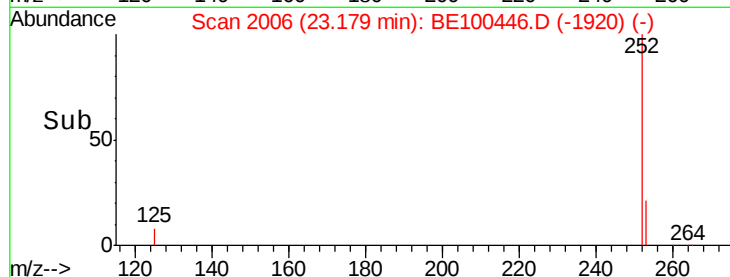
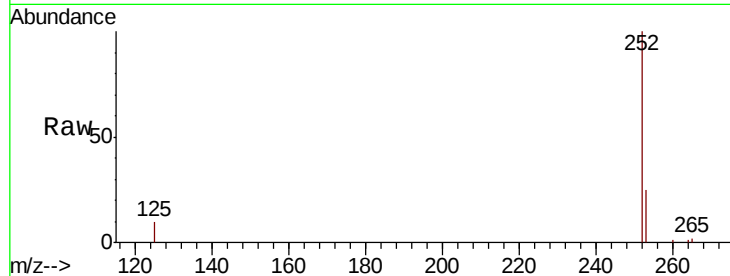
#36
Benzo(k)fluoranthene
Concen: 5.959 ng m
RT: 23.18 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.7	26.5
125	10.2	8.3	12.5

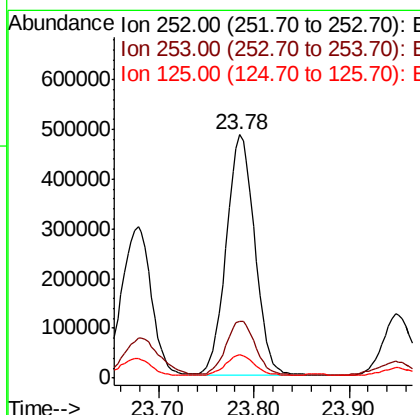
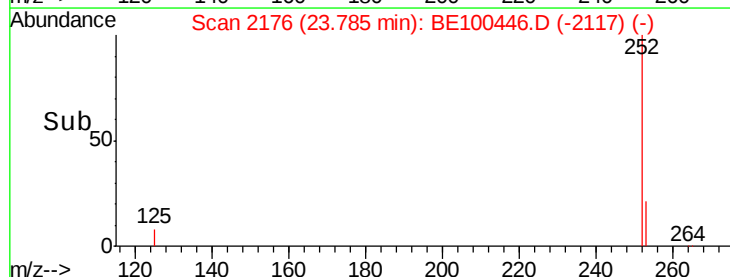
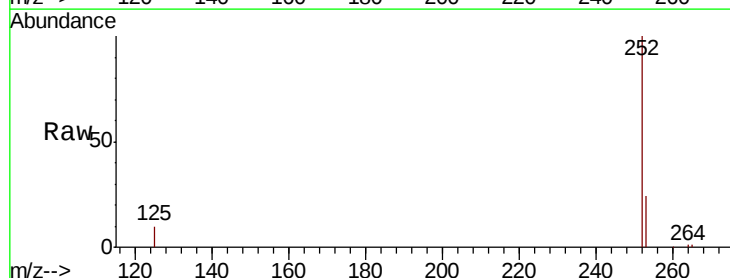
Manual Integrations
APPROVED

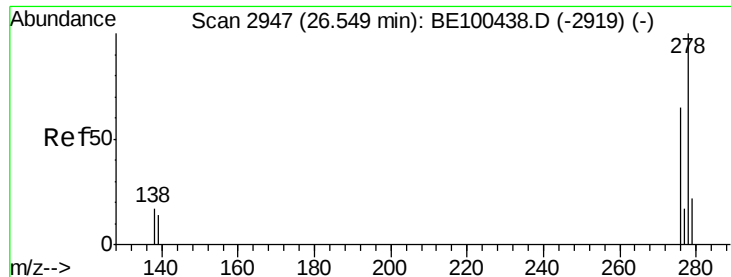
mohammad
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#37
Benzo(a)pyrene
Concen: 15.205 ng
RT: 23.78 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BE100446.D
Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	9.6	9.0	13.6





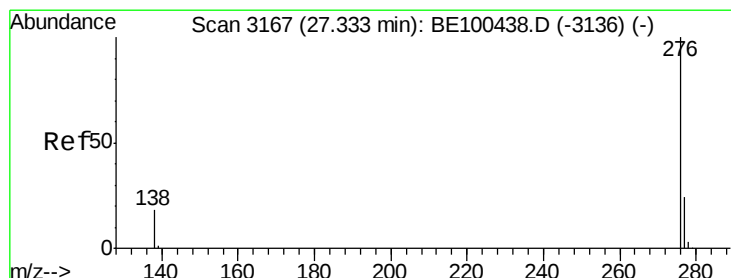
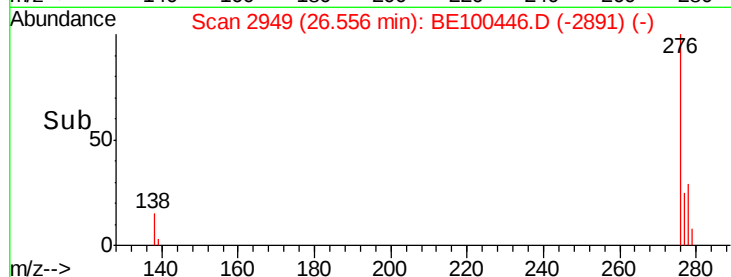
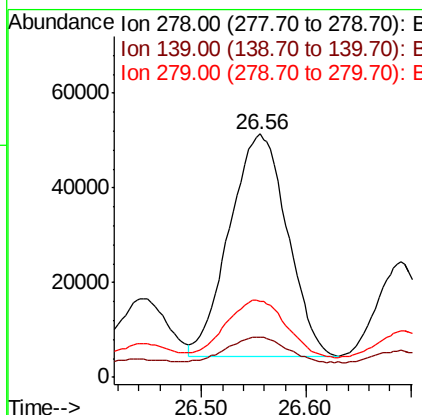
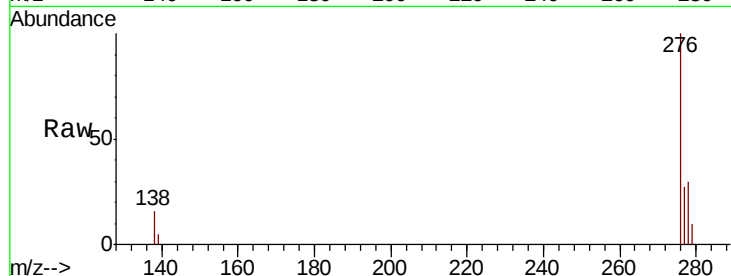
#38
 Dibenzo(a,h)anthracene
 Concen: 2.552 ng
 RT: 26.56 min Scan# 2949
 Delta R.T. 0.01 min
 Lab File: BE100446.D
 Acq: 16 Jul 2019 17:47

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.4	12.2	18.2
279	31.4	18.6	27.8#

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:27:11 PM



#39
 Benzo(g,h,i)perylene
 Concen: 8.786 ng
 RT: 27.35 min Scan# 3173
 Delta R.T. 0.02 min
 Lab File: BE100446.D
 Acq: 16 Jul 2019 17:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	16.7	15.1	22.7

