

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
 Data File : BE100447.D
 Acq On : 16 Jul 2019 18:23
 Operator : HP/JU
 Sample : K3819-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2

Manual Integrations
 APPROVED

mohammad
 7/19/2019 2:27:13 PM

Quant Time: Jul 16 19:05:54 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	7.90	152	5613	0.80	ng	0.01
7) Naphthalene-d8	10.68	136	23451	0.80	ng	0.00
13) Acenaphthene-d10	14.51	164	14784	0.80	ng	0.00
19) Phenanthrene-d10	17.24	188	37176	0.80	ng	0.01
27) Chrysene-d12	21.40	240	42948	0.80	ng	0.01
34) Perylene-d12	23.90	264	53083	0.80	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	3580	0.67	ng	0.00
5) Phenol-d6	7.04	99	5408	0.69	ng	0.00
8) Nitrobenzene-d5	9.03	82	3849	0.59	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	6906	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1490	0.89	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	9202	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	77786	0.35	ng	0.00
29) Terphenyl-d14	19.86	244	16289	0.31	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.73	128	800295	7.005	ng	100
12) 2-Methylnaphthalene	12.34	142	46971	2.460	ng	99
16) Acenaphthylene	14.24	152	56304	1.883	ng	98
17) Acenaphthene	14.57	154	113859	5.542	ng	97
18) Fluorene	15.54	166	156103	5.892	ng	97
22) Pentachlorophenol	16.89	266	479	0.549	ng	96
23) Phenanthrene	17.28	178	2493040	50.337	ng	98
24) Anthracene	17.36	178	549640	13.446	ng	97
26) Fluoranthene	19.29	202	4101477	65.158	ng	97
28) Pvrene	19.65	202	3919924	62.400	ng	# 90
30) Benzo(a)anthracene	21.38	228	2390763	41.021	ng	95
31) Chrysene	21.44	228	2049450	29.611	ng	96
32) Bis(2-ethylhexyl)phthalate	21.32	149	142279	3.404	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.56	276	1395375	22.677	ng	# 94
35) Benzo(b)fluoranthene	23.14	252	2963893	36.549	ng	96
36) Benzo(k)fluoranthene	23.19	252	970175m	11.306	ng	
37) Benzo(a)pvrene	23.79	252	2173290m	32.592	ng	
38) Dibenzo(a,h)anthracene	26.57	278	391669	5.509	ng	# 91
39) Benzo(q,h,i)perylene	27.38	276	1329685	17.884	ng	97

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

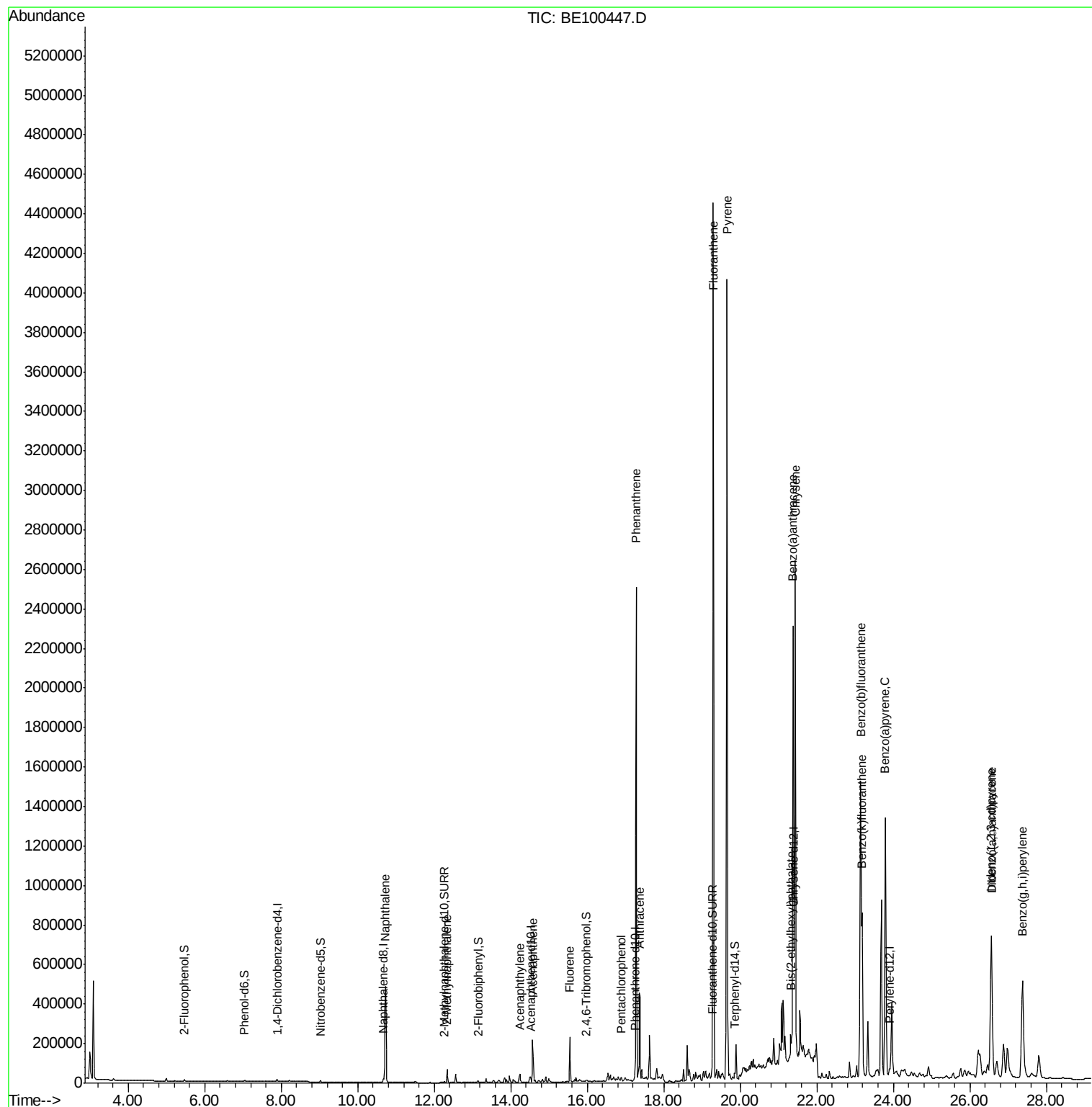
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
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Misc :
ALS Vial : 13 Sample Multiplier: 2

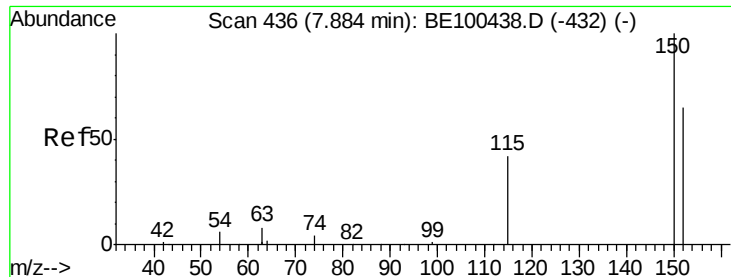
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

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QLast Update : Tue Jul 16 14:03:26 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.800 ng

RT: 7.90 min Scan# 437

Delta R.T. 0.01 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

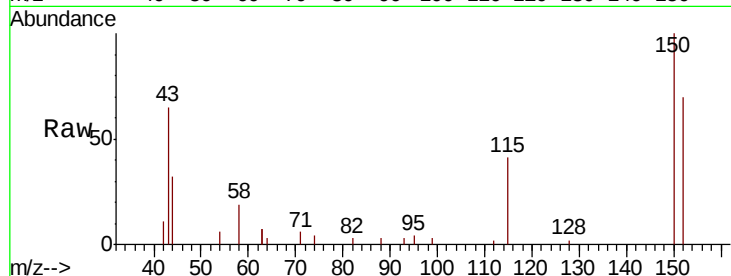
ClientSampleId :

HJDC-COMP2

Tot Ion:	152	Resp:	5613
Ion	Ratio	Lower	Upper
152	100		
150	142.5	121.7	182.5
115	58.2	52.4	78.6

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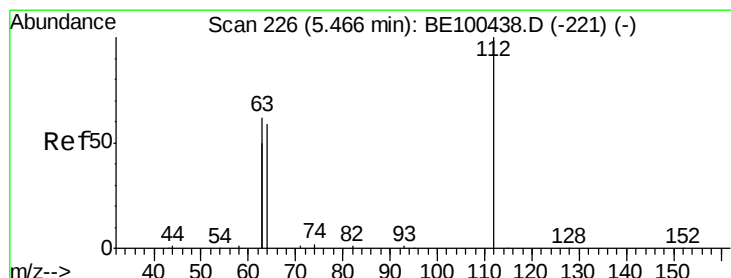
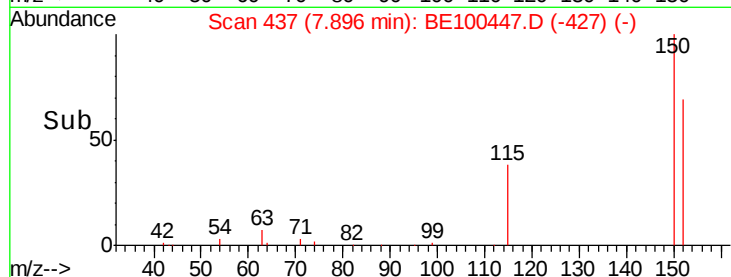
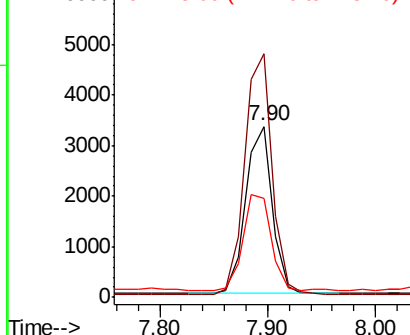


Abundance

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: 0.670 ng

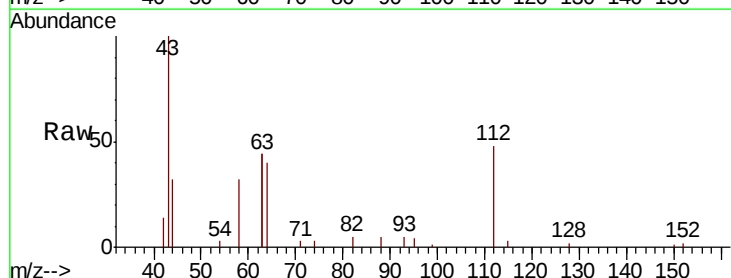
RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tgt Ion:	112	Resp:	3580
Ion	Ratio	Lower	Upper
112	100		
64	69.6	55.0	82.4
63	139.7	114.8	172.2

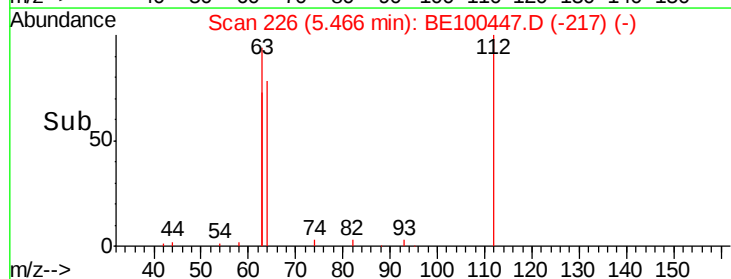
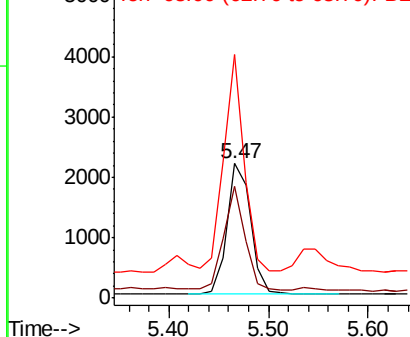


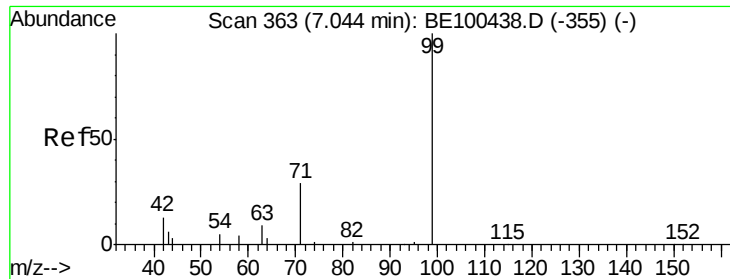
Abundance

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: 0.685 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

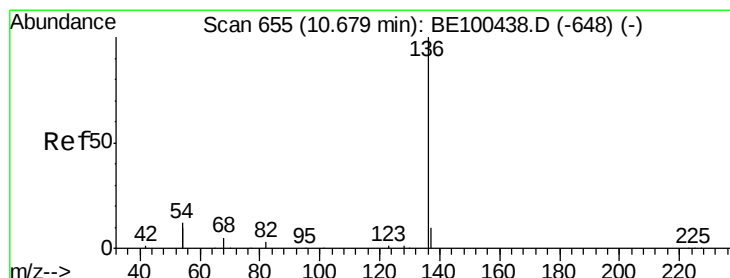
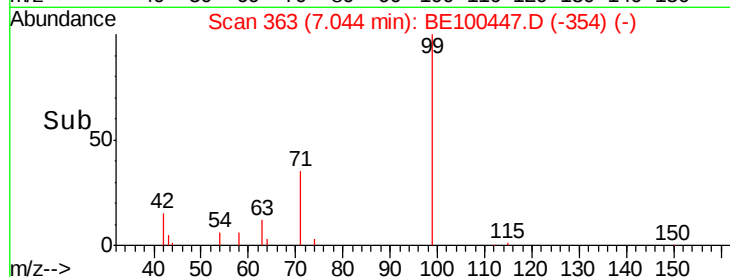
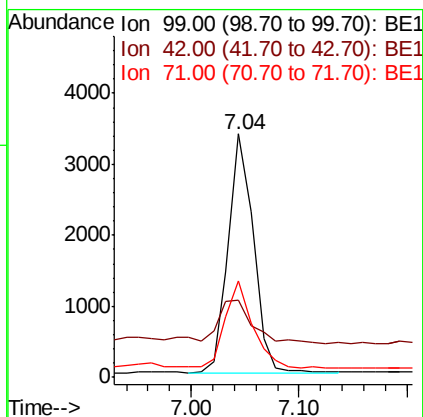
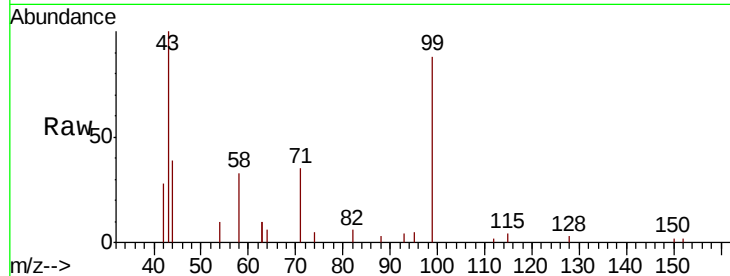
ClientSampleId :

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Tot Ion:	99	Resp:	5408
Ion Ratio	Lower	Upper	
99	100		
42	26.8	17.4	26.2#
71	41.9	28.2	42.4

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#7

Naphthalene-d8

Concen: 0.800 ng

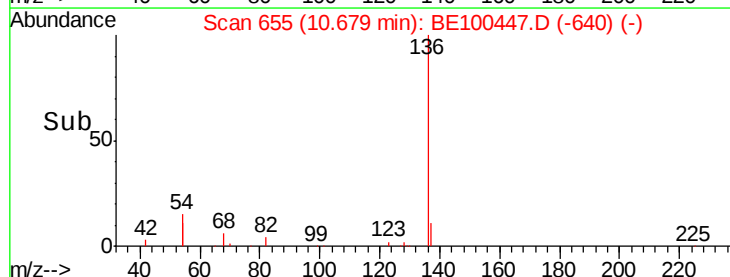
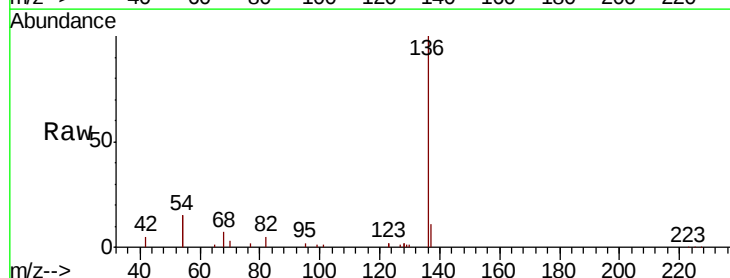
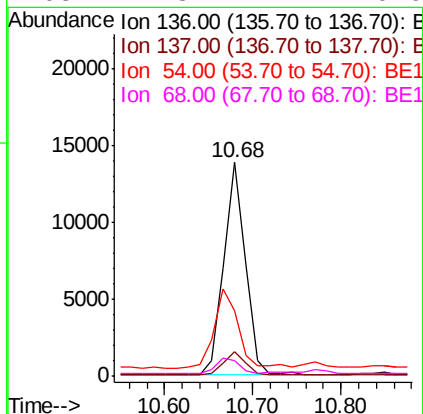
RT: 10.68 min Scan# 655

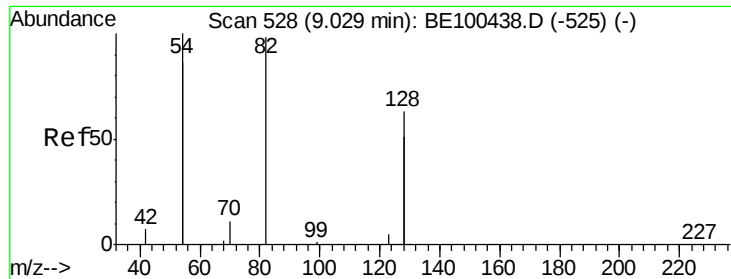
Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tgt Ion:	136	Resp:	23451
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	30.6	19.6	29.4#
68	7.3	4.4	6.6#





#8

Nitrobenzene-d5

Concen: 0.595 ng

RT: 9.03 min Scan# 528

Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

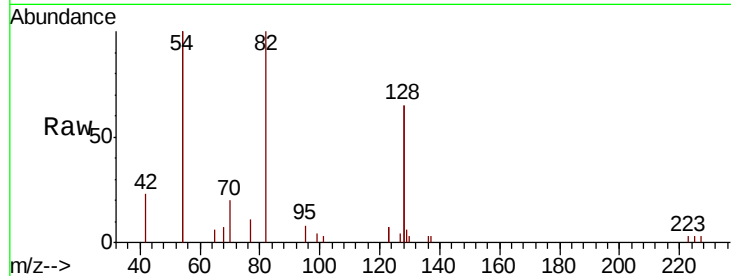
ClientSampleId :

HJDC-COMP2

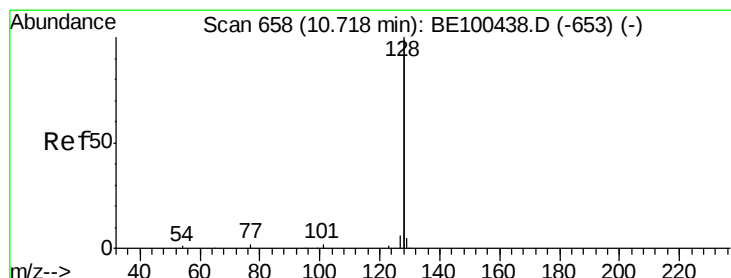
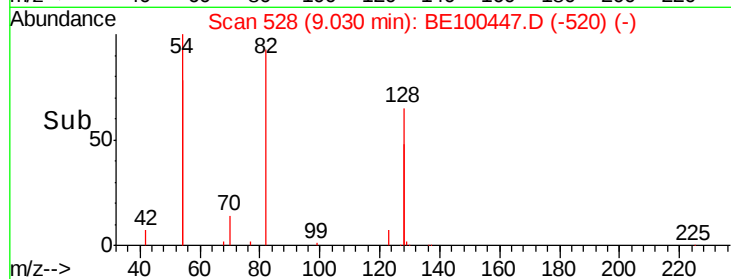
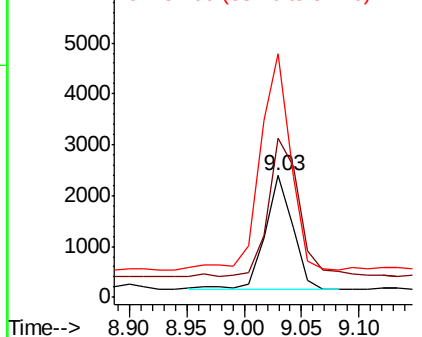
Tot Ion:	82	Resp:	3849
Ion Ratio	Lower	Upper	
82	100		
128	130.4	97.9	146.9
54	200.3	155.0	232.6

Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 7.005 ng

RT: 10.73 min Scan# 659

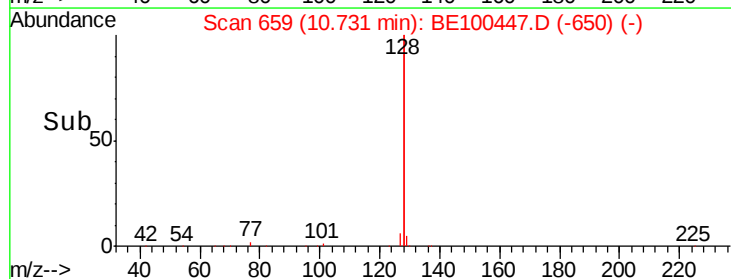
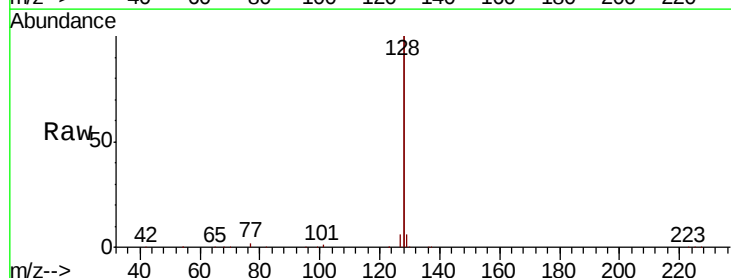
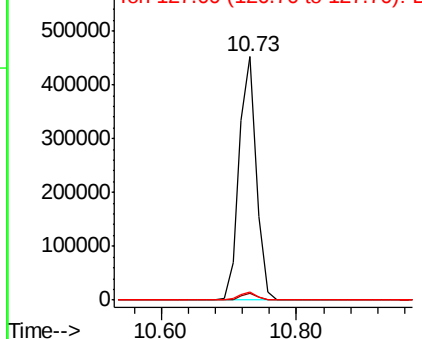
Delta R.T. 0.01 min

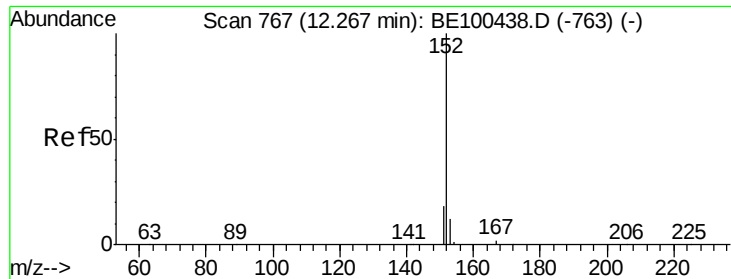
Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tgt Ion:	128	Resp:	800295
Ion Ratio	Lower	Upper	
128	100		
129	2.8	2.2	3.4
127	3.2	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





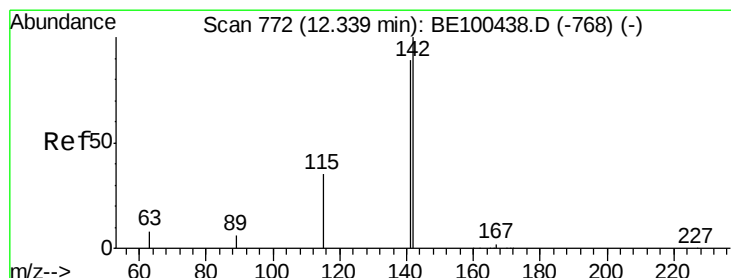
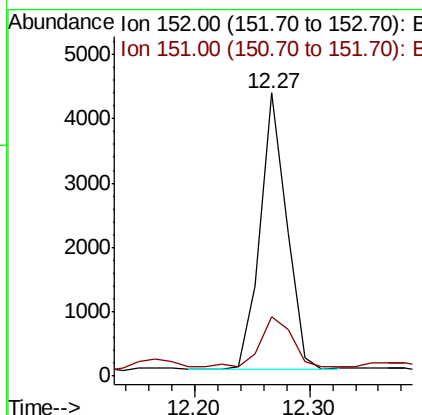
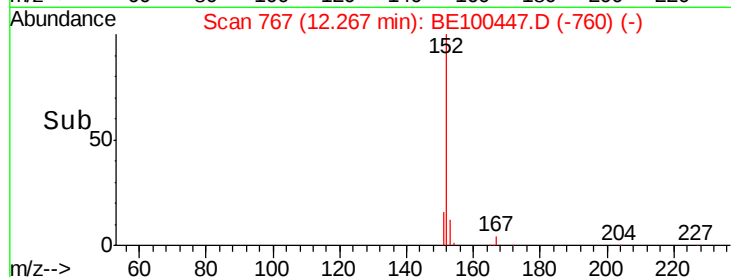
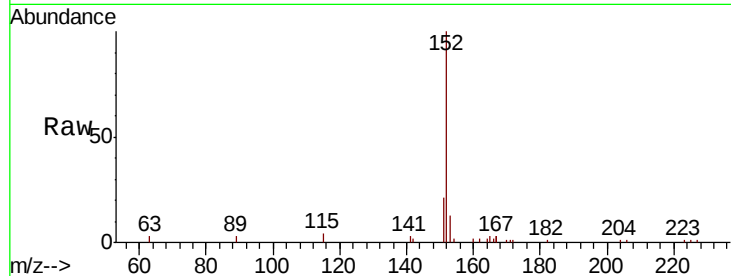
#11
 2-Methylnaphthalene-d10
 Concen: 0.389 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE100447.D
 Acq: 16 Jul 2019 18:23

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.0	24.0

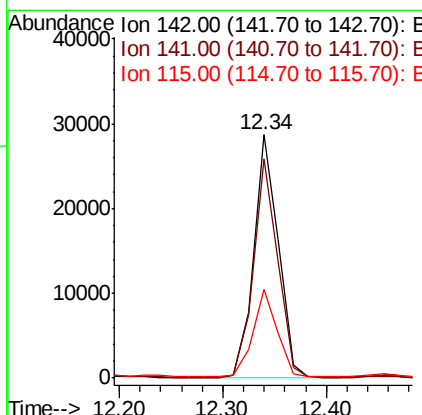
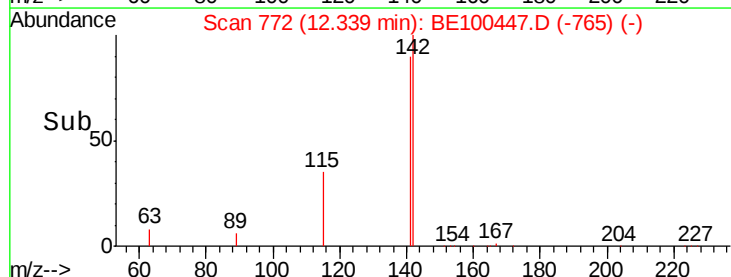
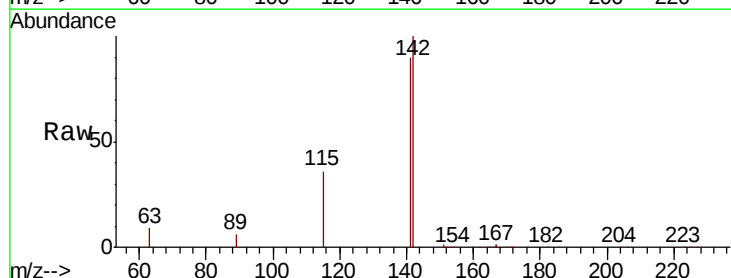
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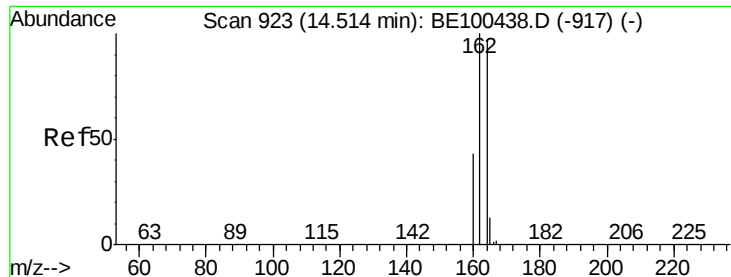
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#12
 2-Methylnaphthalene
 Concen: 2.460 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE100447.D
 Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.9	106.3
115	36.2	29.0	43.4





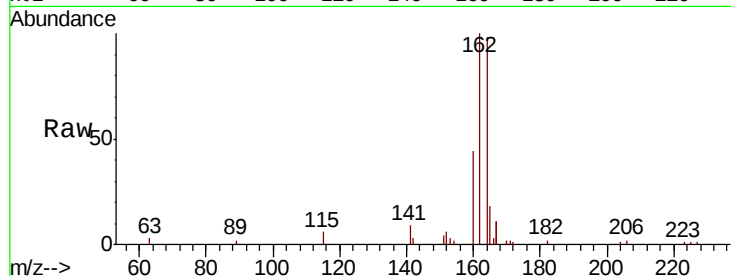
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	124.0
160	44.9	35.6	53.4

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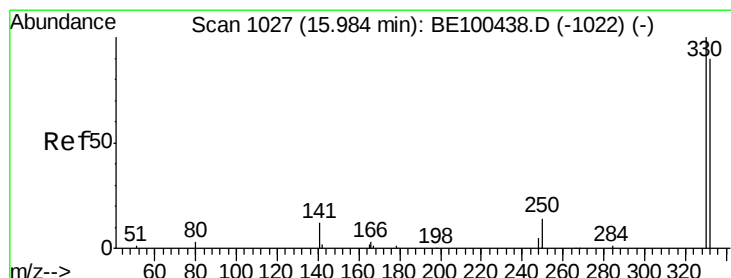
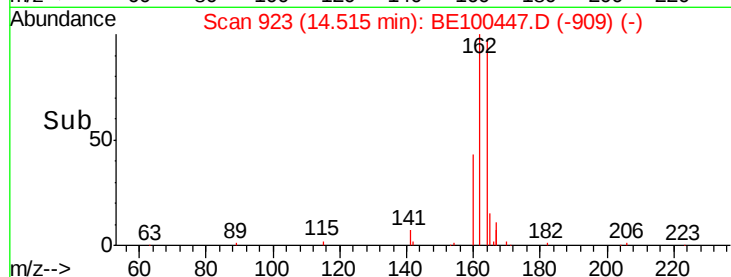
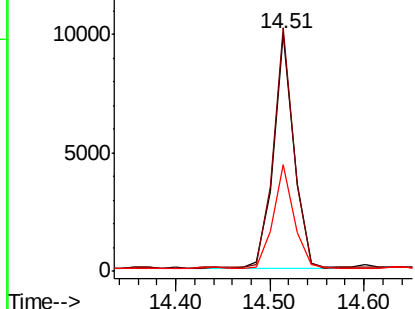


Abundance

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: 0.892 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

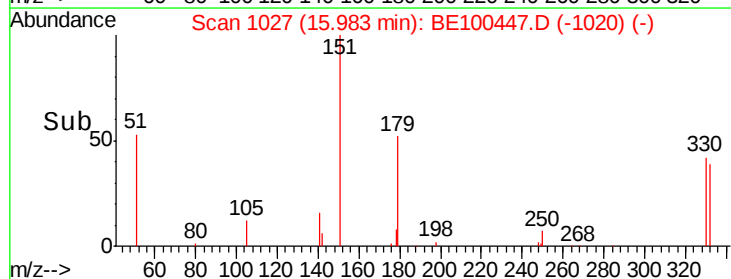
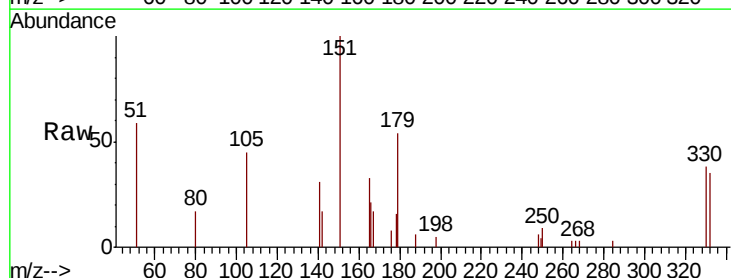
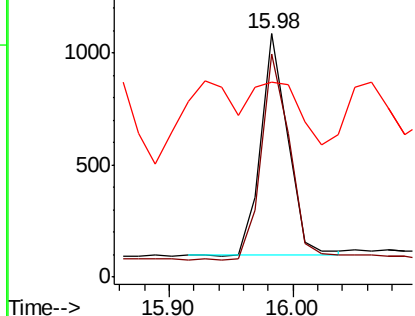
Tgt Ion	Ratio	Lower	Upper
330	100		
332	103.6	76.3	114.5
141	49.3	28.1	42.1#

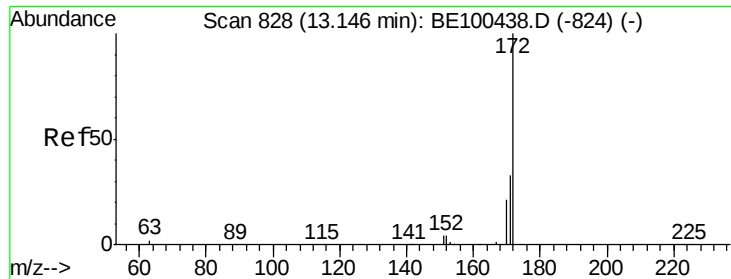
Abundance

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





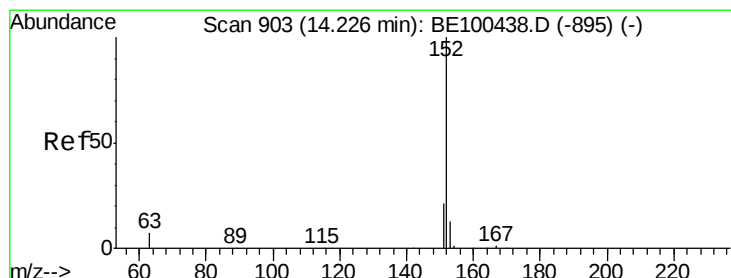
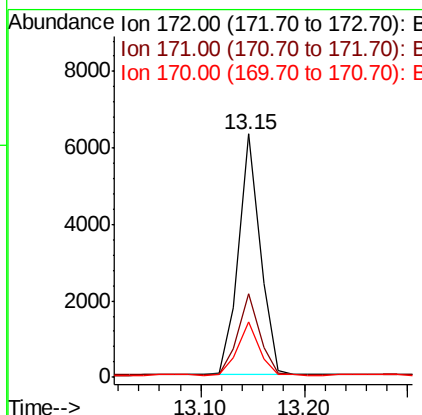
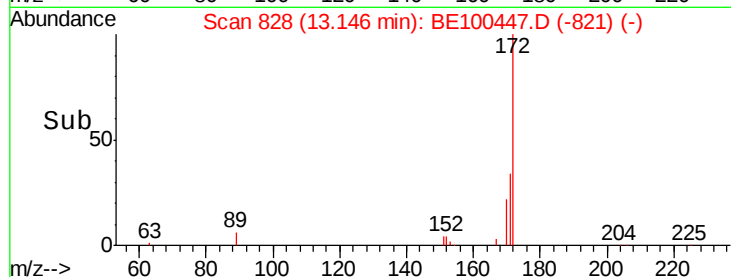
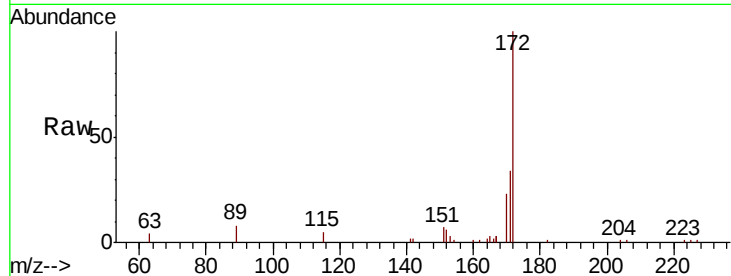
#15
2-Fluorobiphenyl
Concen: 0.278 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.0	40.4
170	22.7	17.4	26.0

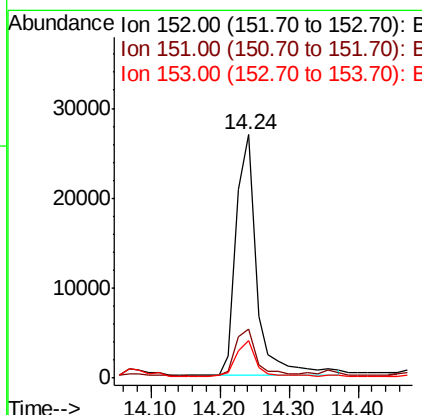
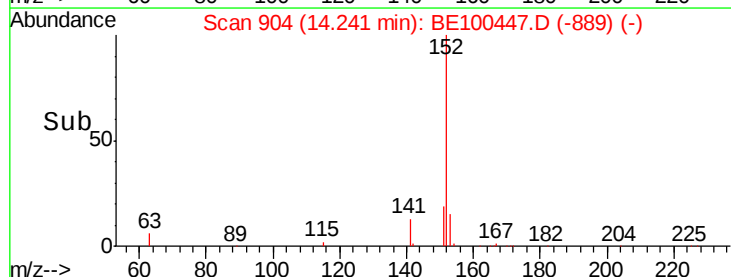
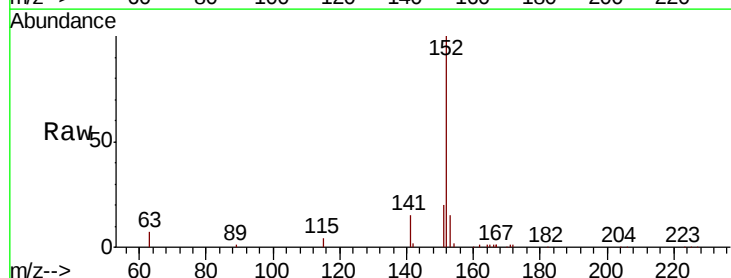
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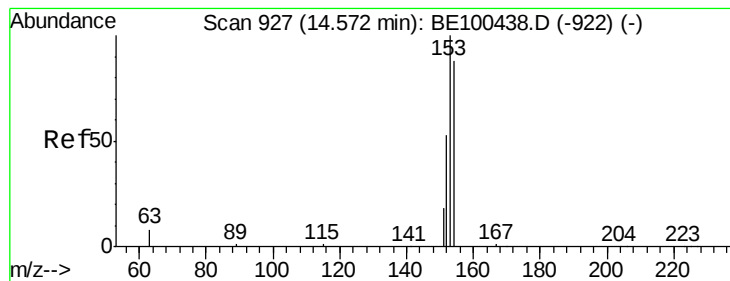
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#16
Acenaphthylene
Concen: 1.883 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	14.9	10.4	15.6





#17

Acenaphthene

Concen: 5.542 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

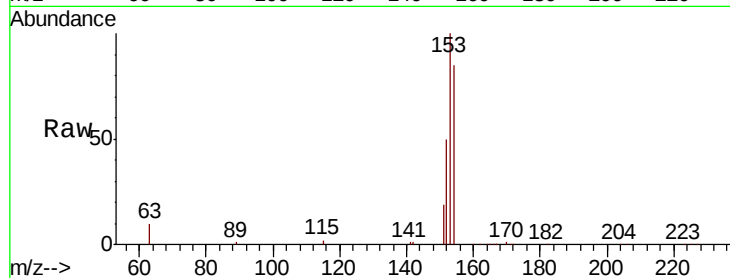
ClientSampleId :

HJDC-COMP2

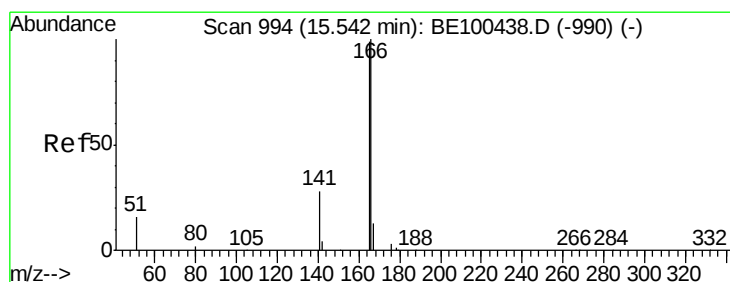
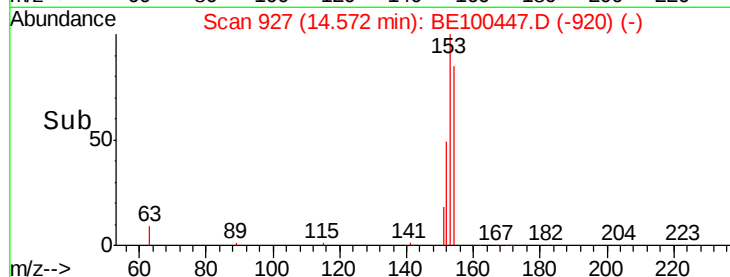
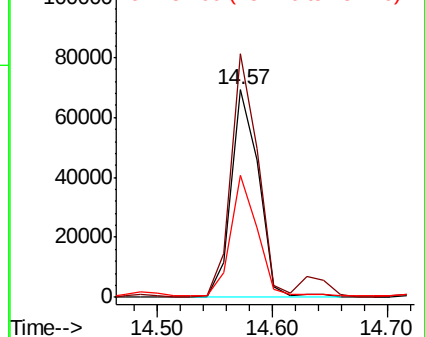
Tot Ion:	154	Resp:	113859
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.0	136.4
152	55.9	49.4	74.2

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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: 5.892 ng

RT: 15.54 min Scan# 994

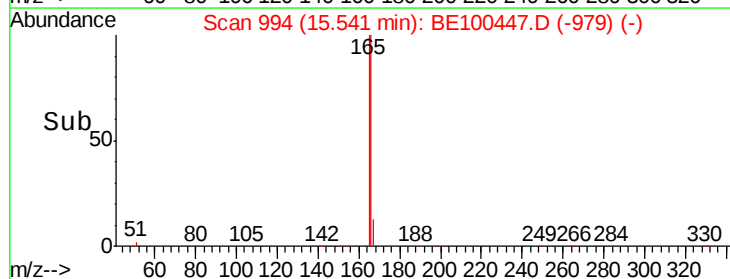
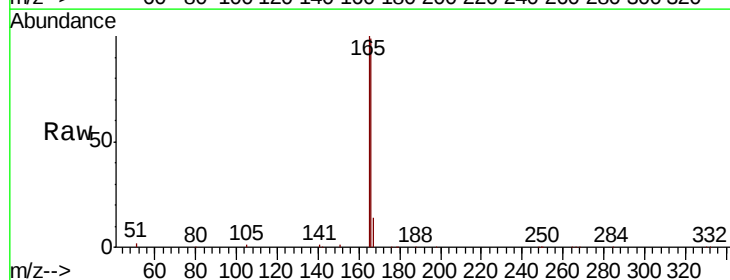
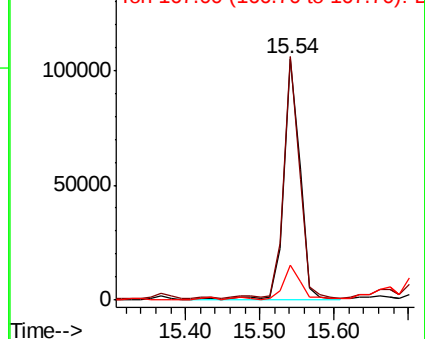
Delta R.T. -0.00 min

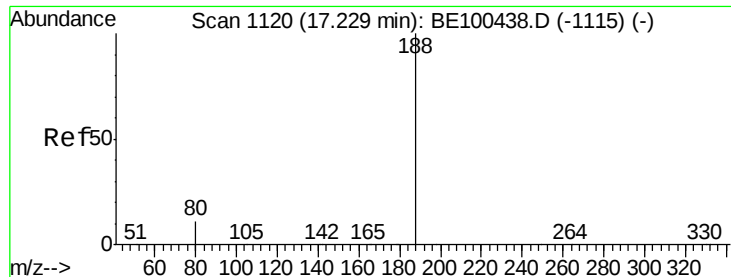
Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tgt Ion:	166	Resp:	156103
Ion Ratio	Lower	Upper	
166	100		
165	96.7	79.6	119.4
167	15.2	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





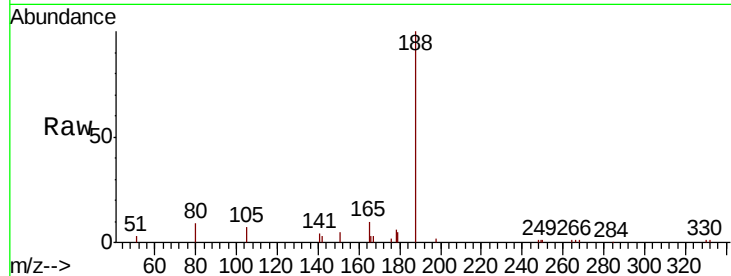
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	37176		
94	0.0	0.0	0.0	0.0
80	9.4	9.2	13.8	

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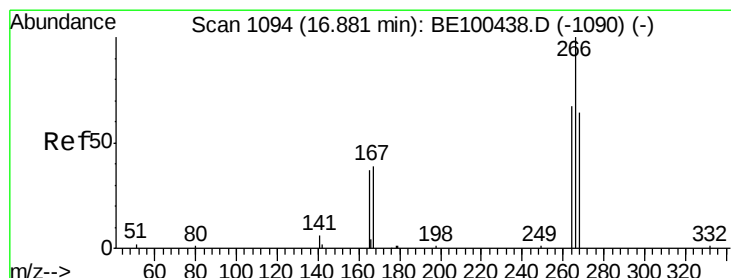
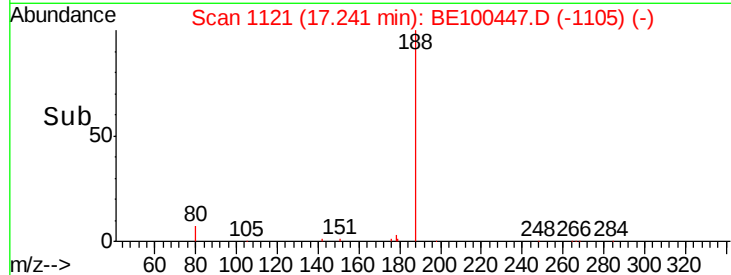
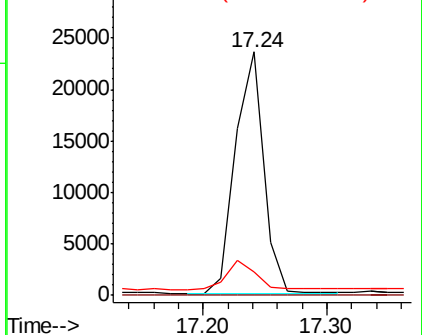


Abundance

Ion 188.00 (187.70 to 188.70): E

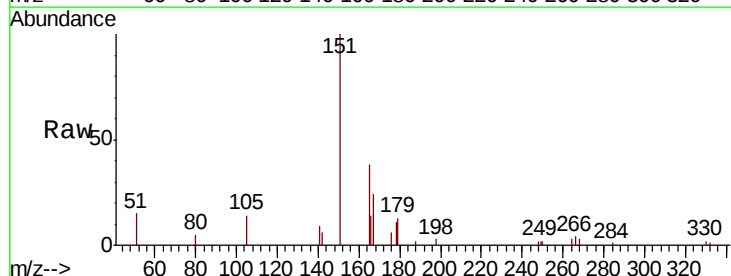
Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#22
Pentachlorophenol
Concen: 0.549 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	479		
264	76.5	56.2	84.2	
268	68.2	54.9	82.3	

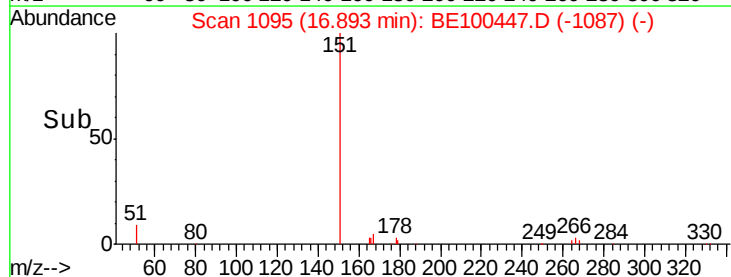
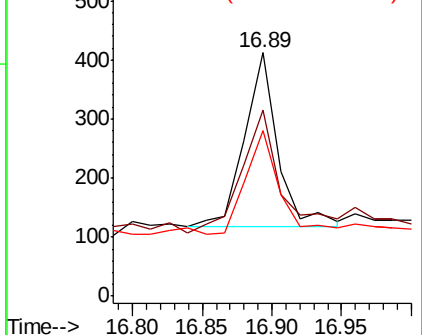


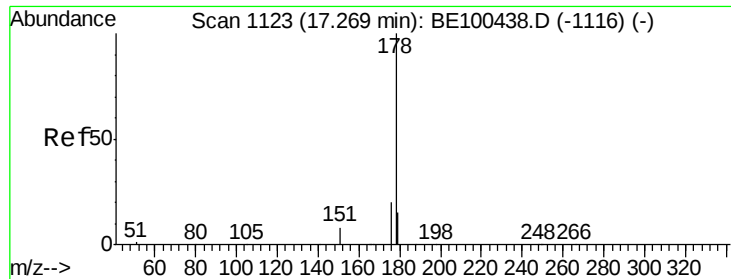
Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





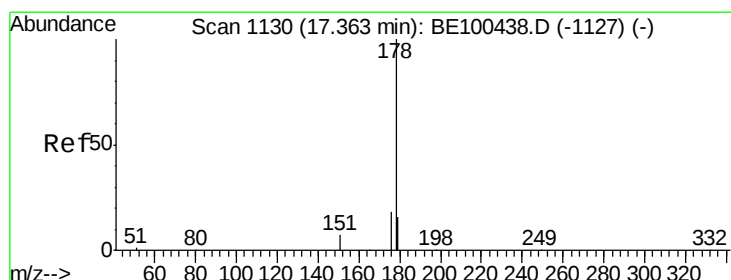
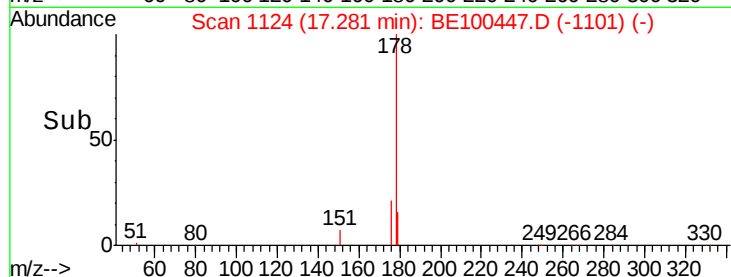
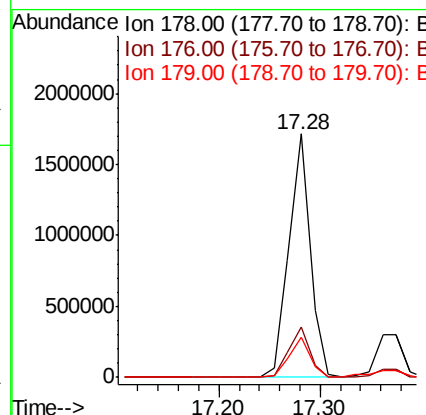
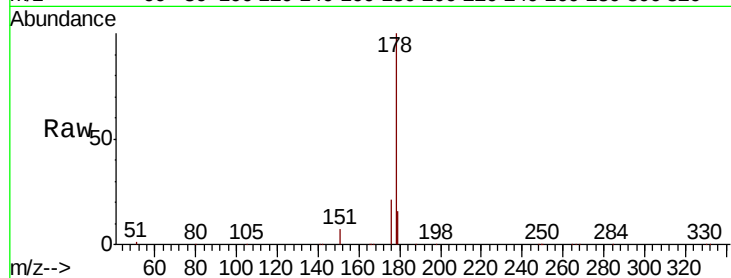
#23
Phenanthrene
Concen: 50.337 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.5	23.3
179	16.2	12.4	18.6

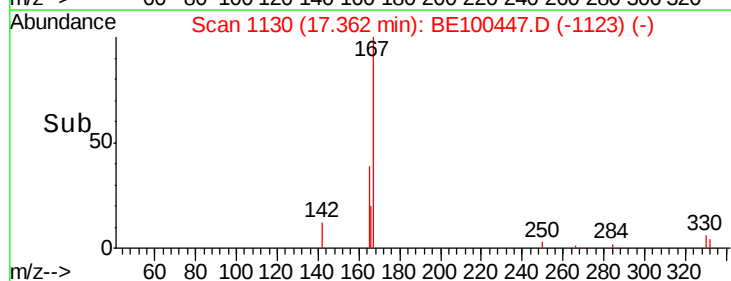
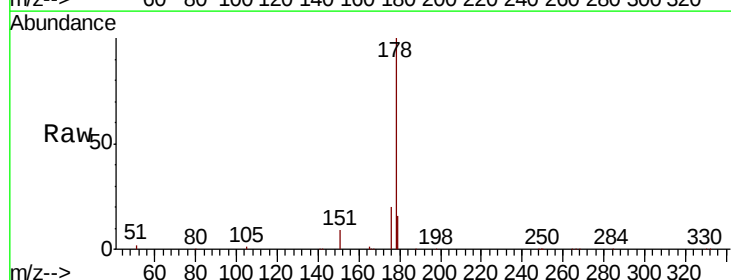
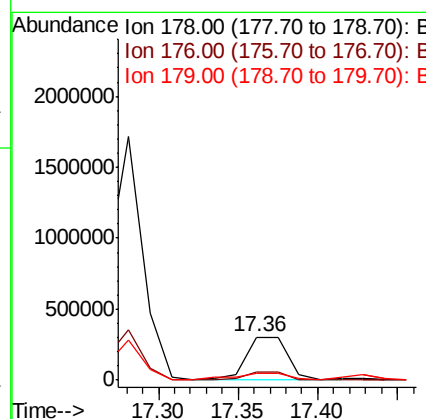
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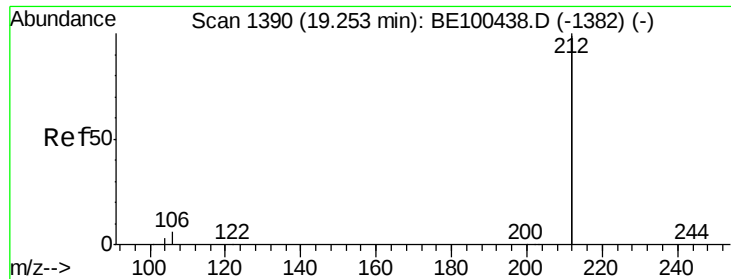
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#24
Anthracene
Concen: 13.446 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	18.1	12.3	18.5





#25

Fluoranthene-d10

Concen: 0.351 ng

RT: 19.26 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

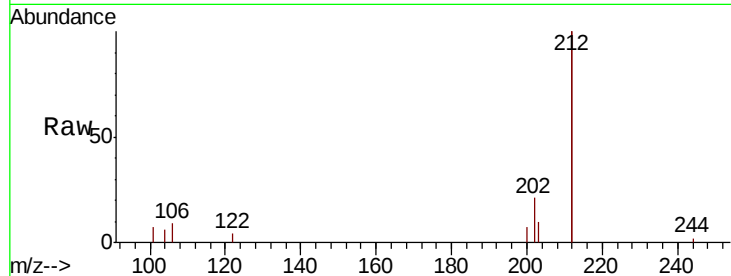
ClientSampleId :

HJDC-COMP2

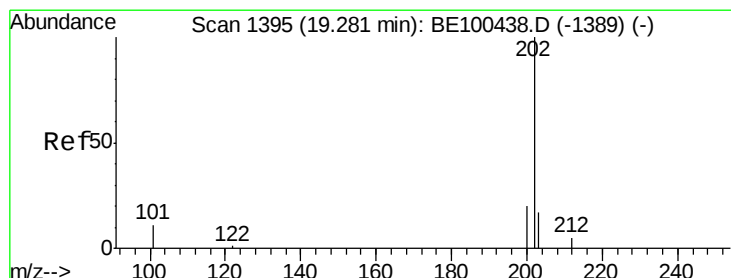
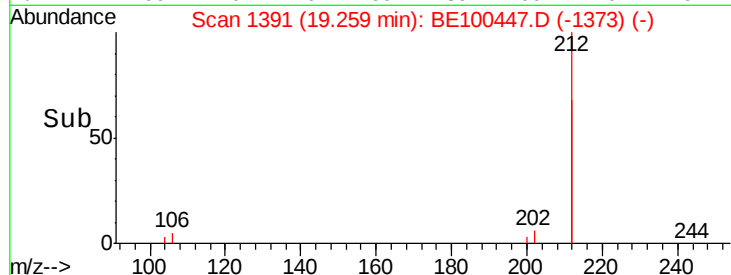
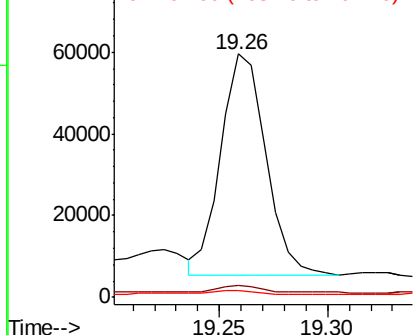
Tot Ion:	212	Resp:	77786
Ion Ratio	Lower	Upper	
212	100		
106	2.7	2.6	3.8
104	1.7	1.4	2.2

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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: 65.158 ng

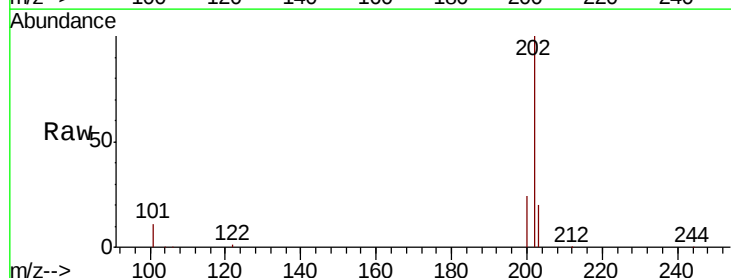
RT: 19.29 min Scan# 1397

Delta R.T. 0.01 min

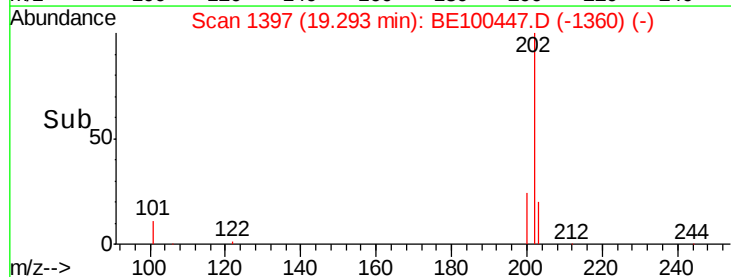
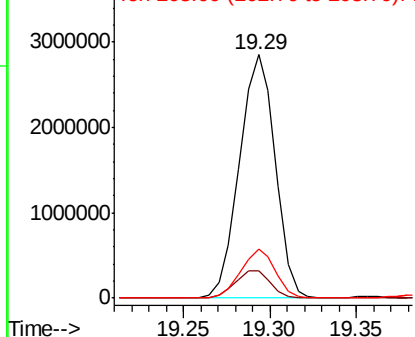
Lab File: BE100447.D

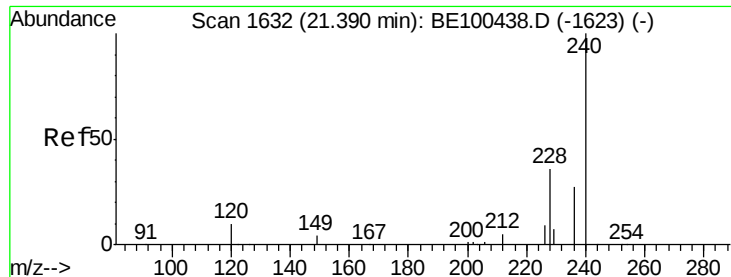
Acq: 16 Jul 2019 18:23

Tgt Ion:	202	Resp:	4101477
Ion Ratio	Lower	Upper	
202	100		
101	11.2	8.9	13.3
203	19.0	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





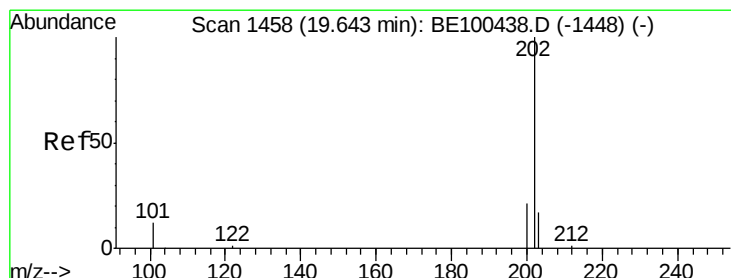
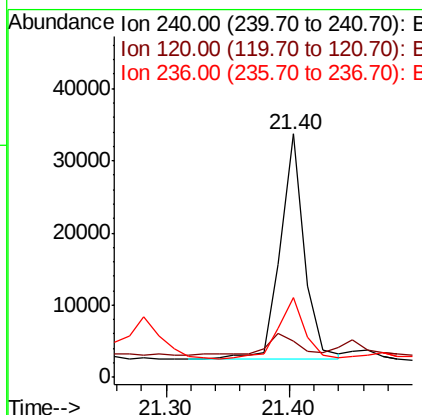
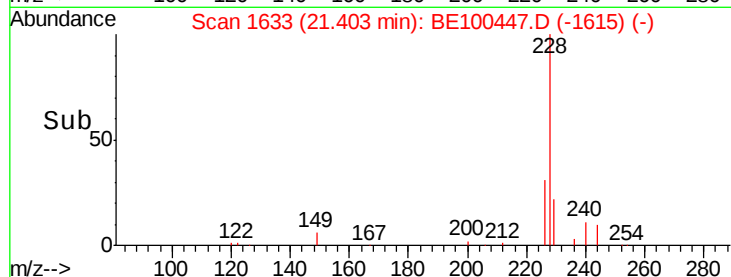
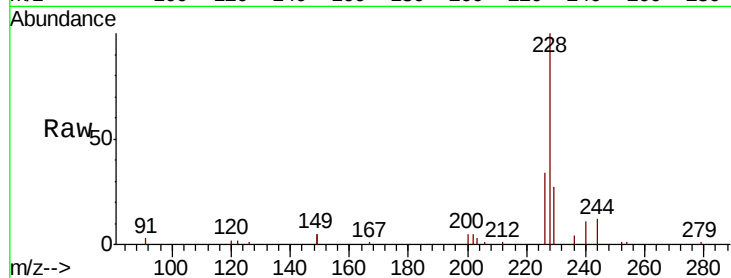
#27
Chrysene-d12
Concen: 0.800 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	8.8	13.2#
236	33.0	22.0	33.0#

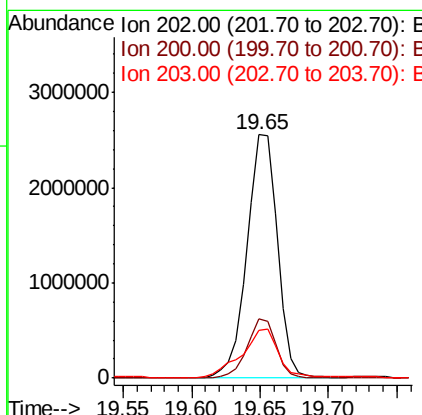
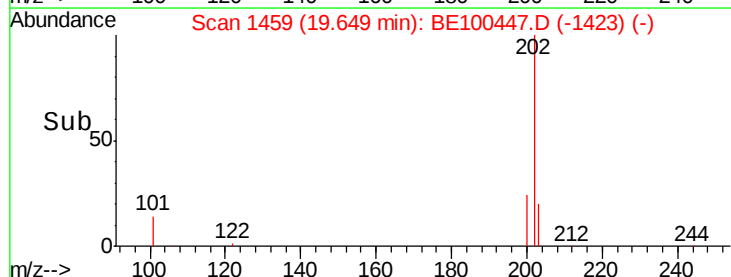
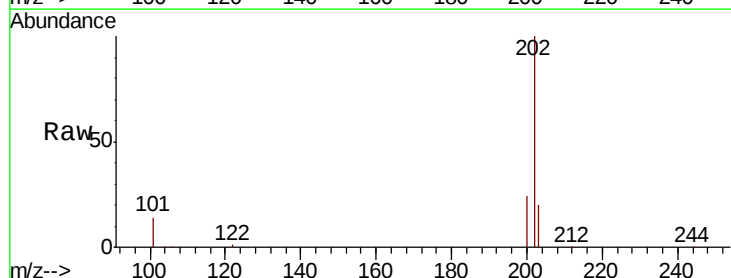
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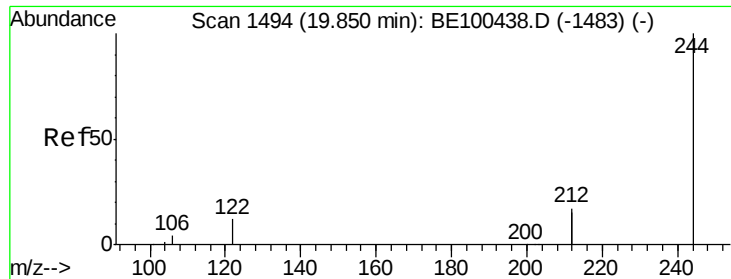
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#28
Pyrene
Concen: 62.400 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.8	25.2
203	24.5	13.8	20.8#





#29

Terphenyl-d14

Concen: 0.310 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Instrument :

BNA_E

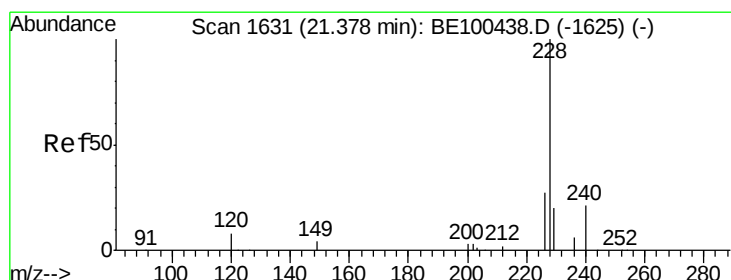
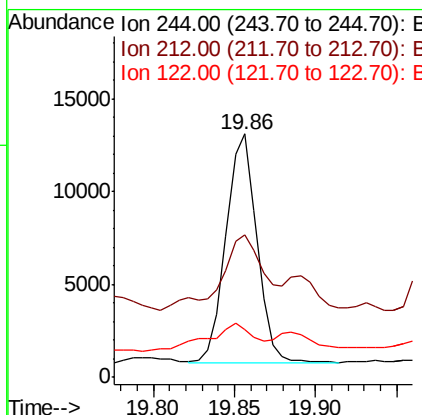
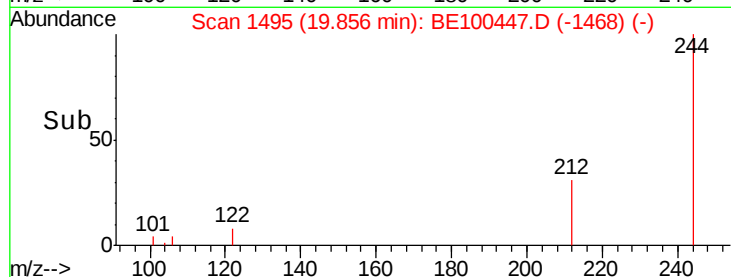
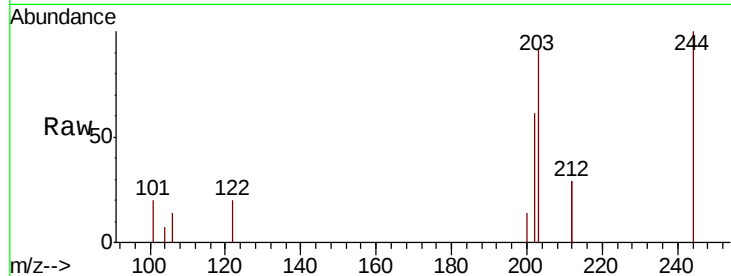
ClientSampleId :

HJDC-COMP2

Tot Ion:	244	Resp:	16289
Ion Ratio	Lower	Upper	
244	100		
212	58.6	26.3	39.5#
122	19.7	9.4	14.2#

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#30

Benzo(a)anthracene

Concen: 41.021 ng

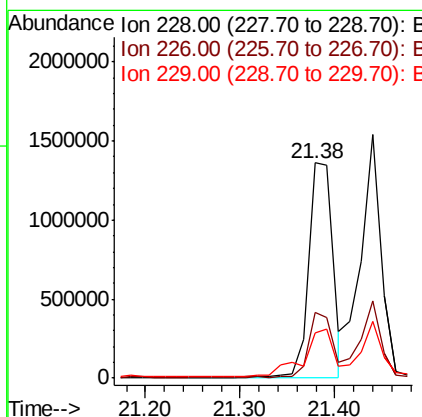
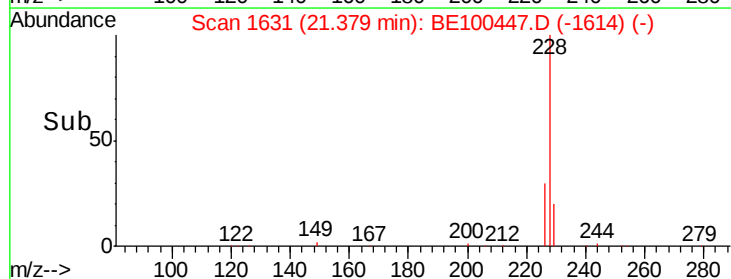
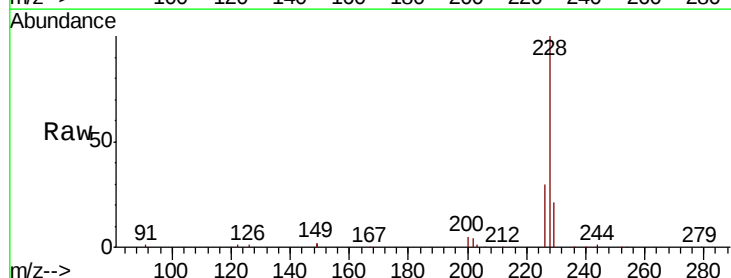
RT: 21.38 min Scan# 1631

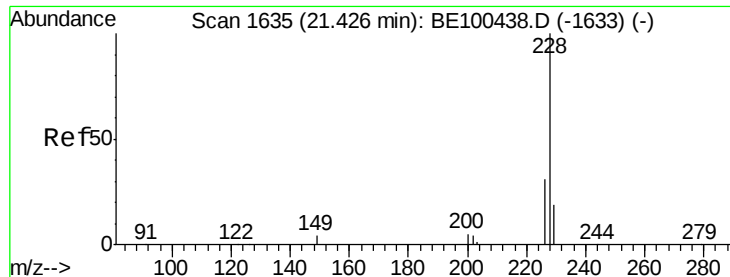
Delta R.T. 0.00 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tgt Ion:	228	Resp:	2390763
Ion Ratio	Lower	Upper	
228	100		
226	30.4	21.6	32.4
229	21.2	15.8	23.8





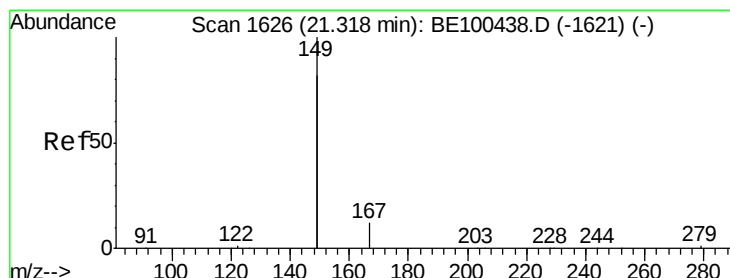
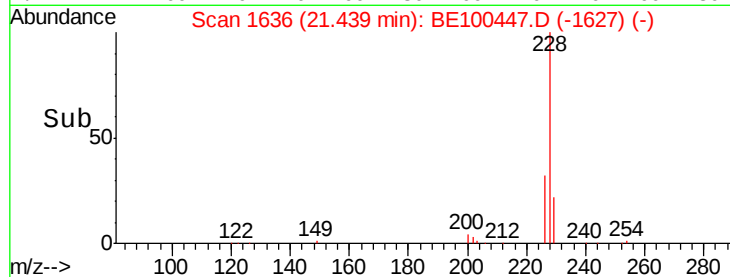
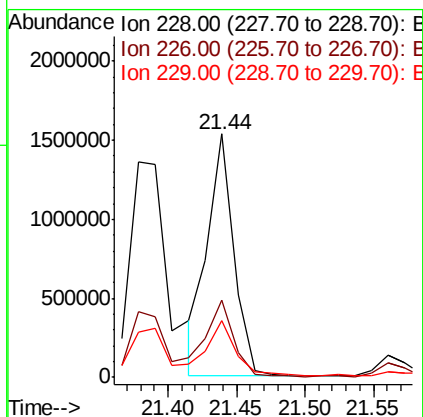
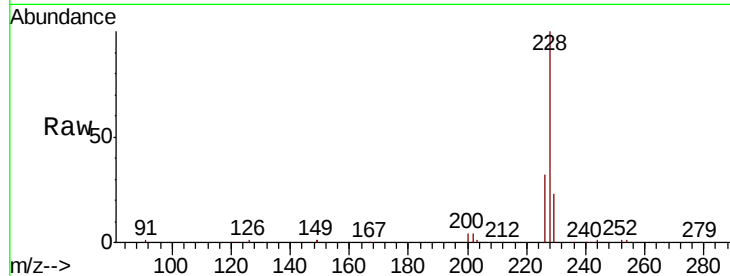
#31
 Chrysene
 Concen: 29.611 ng
 RT: 21.44 min Scan# 1636
 Delta R.T. 0.01 min
 Lab File: BE100447.D
 Acq: 16 Jul 2019 18:23

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.8	37.2
229	23.2	15.8	23.6

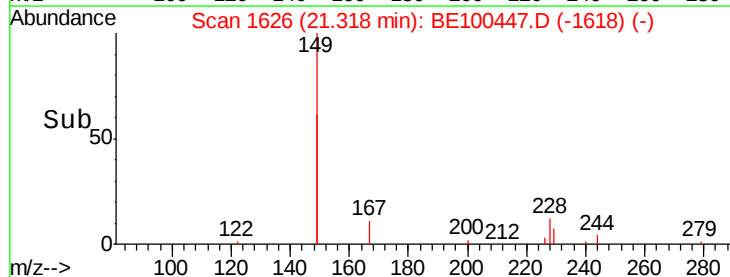
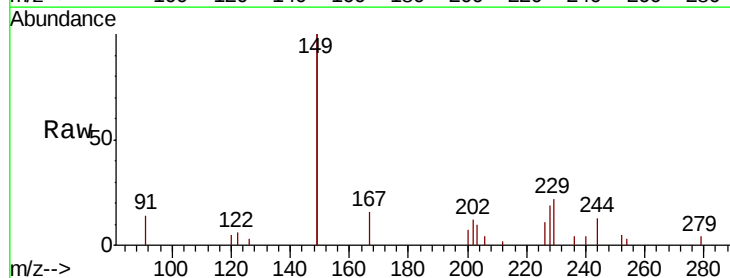
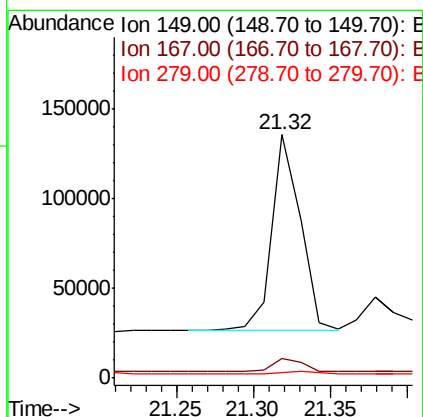
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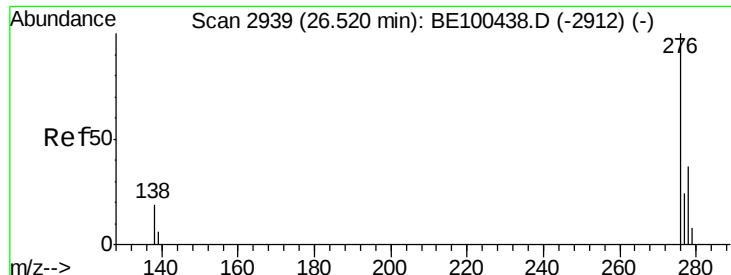
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 3.404 ng
 RT: 21.32 min Scan# 1626
 Delta R.T. 0.00 min
 Lab File: BE100447.D
 Acq: 16 Jul 2019 18:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.0	7.6
279	1.8	1.2	1.8#





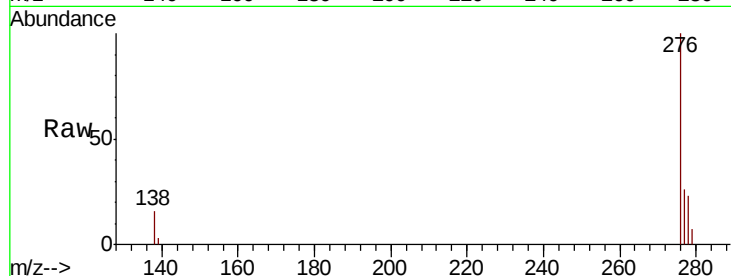
#33
Indeno(1,2,3-cd)pyrene
Concen: 22.677 ng
RT: 26.56 min Scan# 2950
Delta R.T. 0.04 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

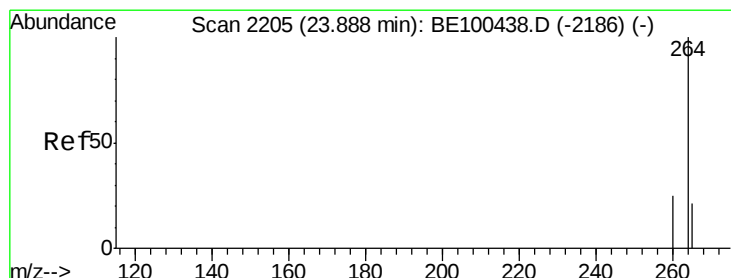
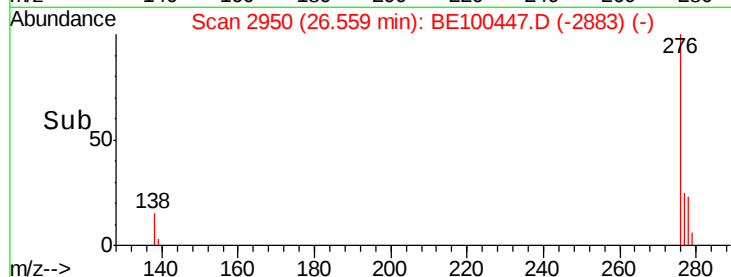
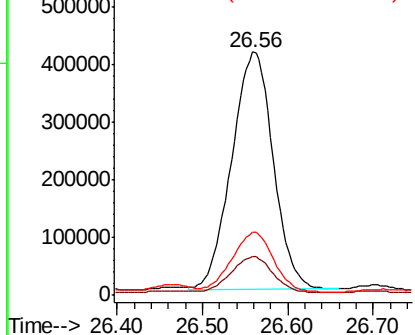
Tot Ion:276 Resp: 1395375
Ion Ratio Lower Upper
276 100
138 15.4 17.0 25.6#
277 25.1 19.8 29.6

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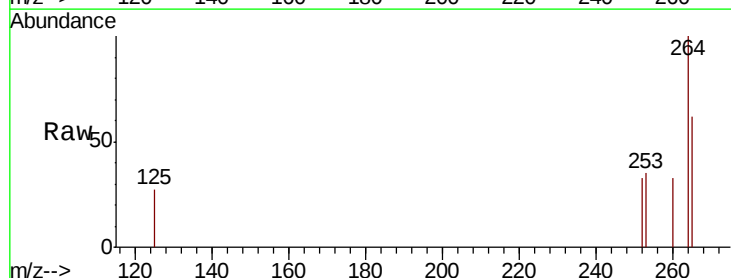


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

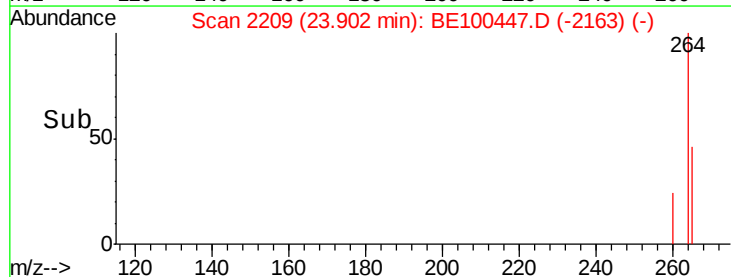
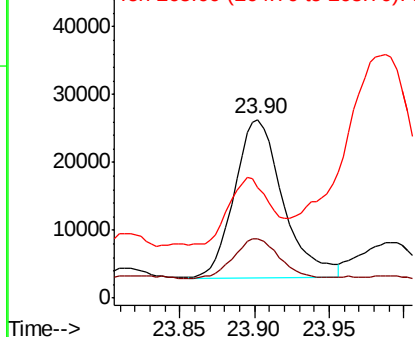


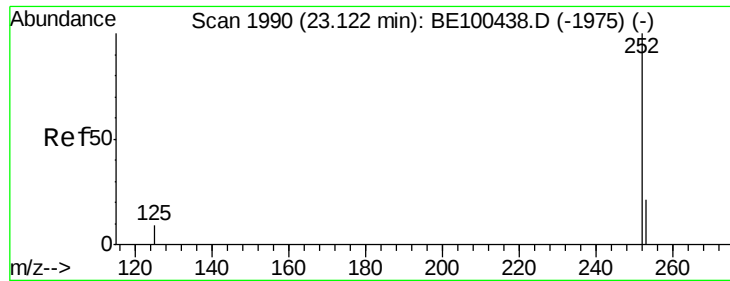
#34
Perylene-d12
Concen: 0.800 ng
RT: 23.90 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion:264 Resp: 53083
Ion Ratio Lower Upper
264 100
260 33.2 20.0 30.0#
265 61.9 22.2 33.4#



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





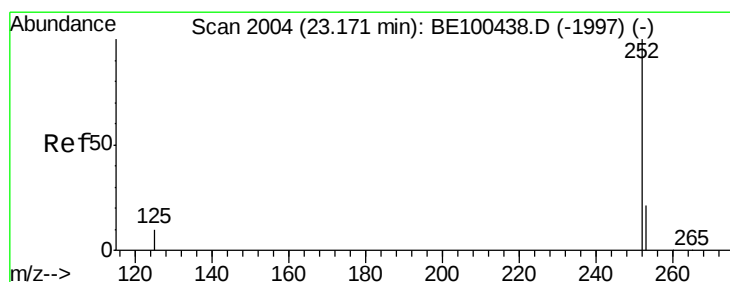
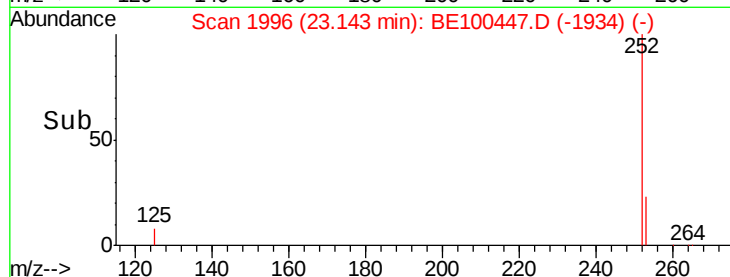
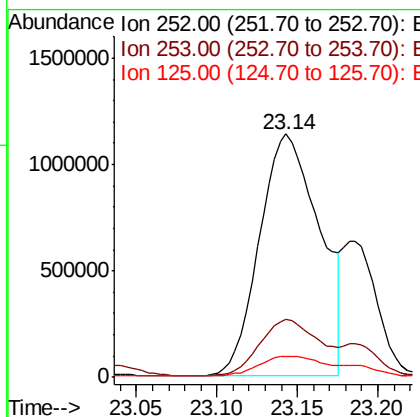
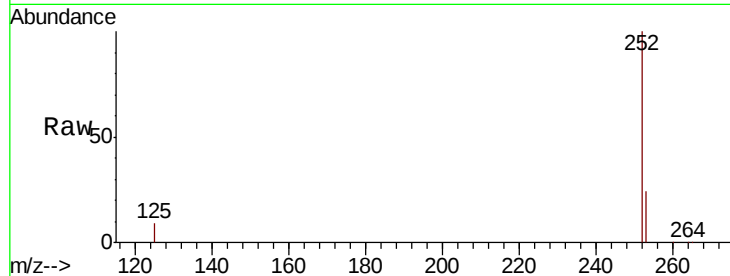
#35
Benzo(b)fluoranthene
Concen: 36.549 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.02 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

Tot Ion:252 Resp: 2963893
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 8.8 8.0 12.0

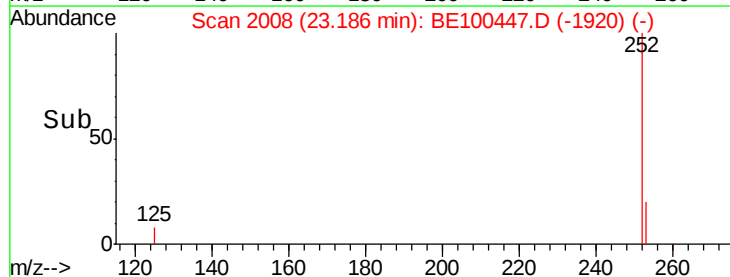
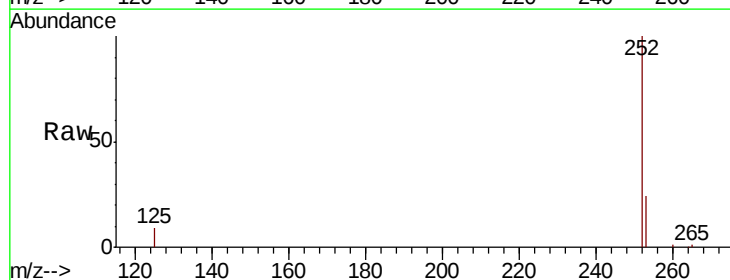
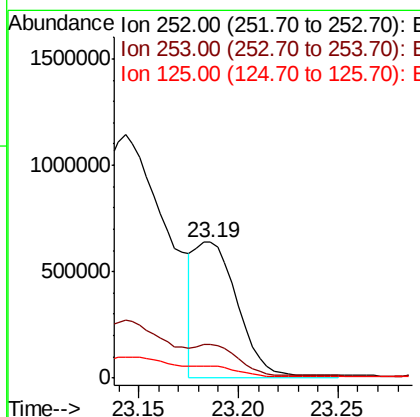
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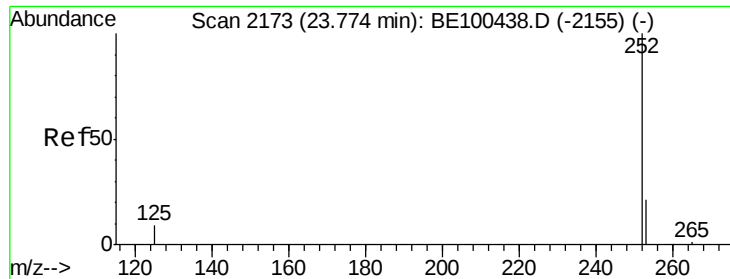
mohammad
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#36
Benzo(k)fluoranthene
Concen: 11.306 ng m
RT: 23.19 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion:252 Resp: 970175
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 9.0 8.3 12.5





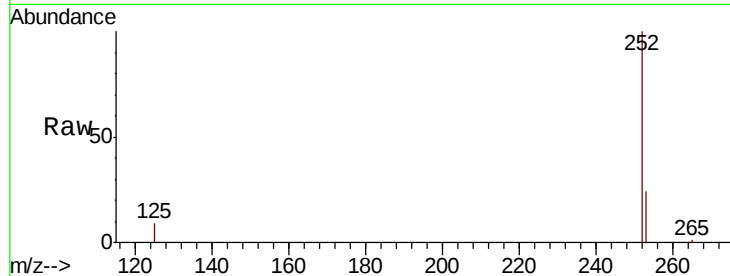
#37
Benzo(a)pyrene
Concen: 32.592 ng/ml
RT: 23.79 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2

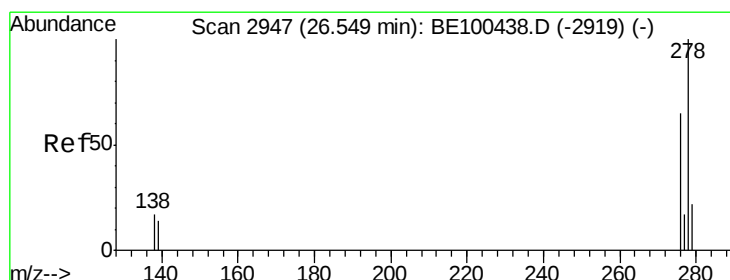
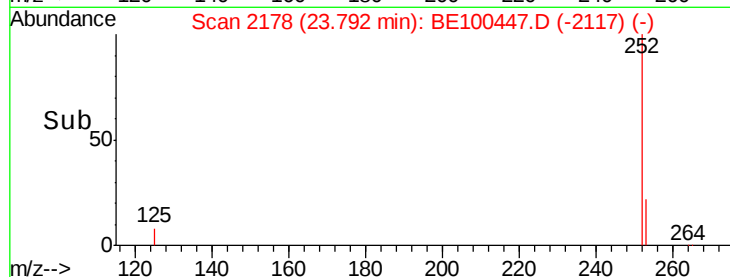
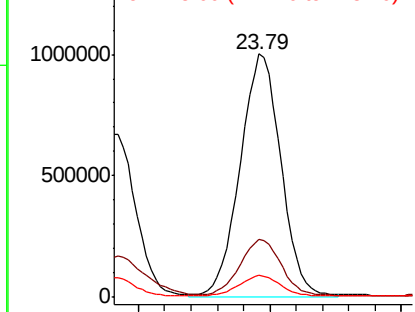
Tot Ion: 252 Resp: 2173290
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 9.0 9.0 13.6#

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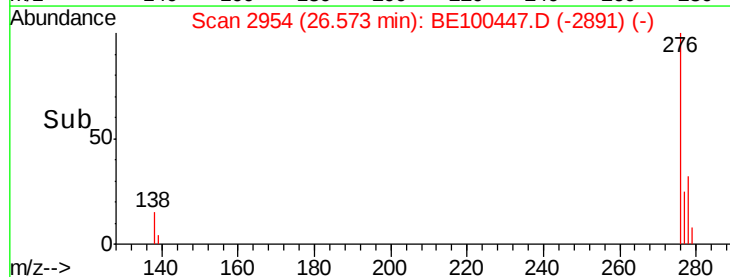
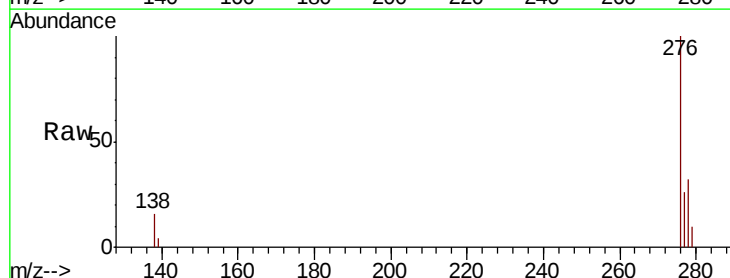
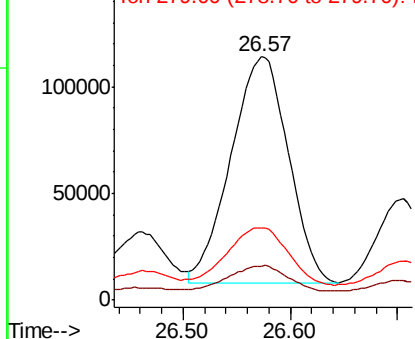
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

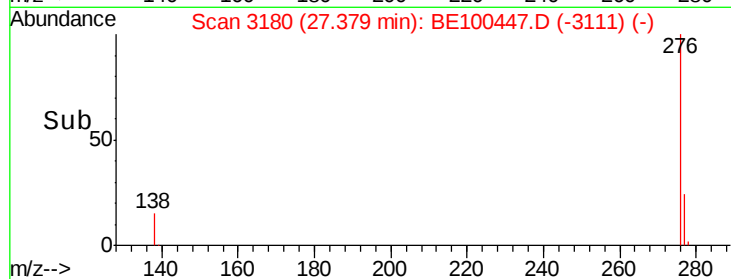
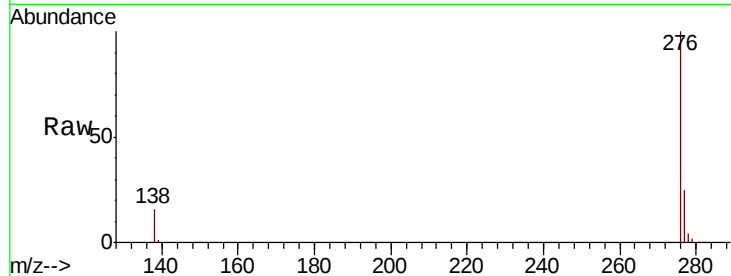
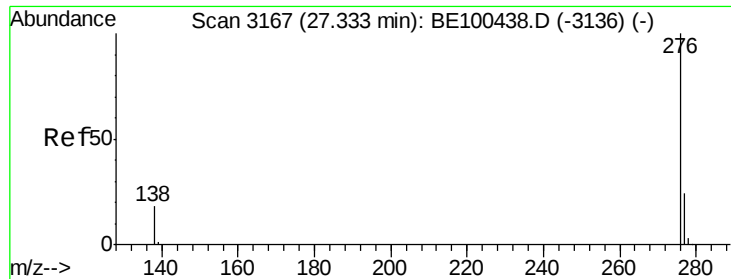


#38
Dibenzo(a,h)anthracene
Concen: 5.509 ng
RT: 26.57 min Scan# 2954
Delta R.T. 0.02 min
Lab File: BE100447.D
Acq: 16 Jul 2019 18:23

Tgt Ion: 278 Resp: 391669
Ion Ratio Lower Upper
278 100
139 14.0 12.2 18.2
279 29.8 18.6 27.8#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 17.884 ng

RT: 27.38 min Scan# 3180

Delta R.T. 0.05 min

Lab File: BE100447.D

Acq: 16 Jul 2019 18:23

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.6	29.4
138	15.9	15.1	22.7

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP2

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