

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061219\
 Data File : BE099964.D
 Acq On : 12 Jun 2019 19:48
 Operator : JU/SJ
 Sample : K3280-06
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190608

Manual Integrations
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mohammad
 6/14/2019 8:45:00 AM

Quant Time: Jun 13 05:19:13 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 10 14:57:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	866	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	3097	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	2486	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	7541	0.40	ng	0.00
27) Chrysene-d12	21.39	240	10074	0.40	ng	-0.01
34) Perylene-d12	23.92	264	11586	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.36	112	419	0.18	ng	0.00
5) Phenol-d6	6.98	99	285	0.09	ng	0.00
8) Nitrobenzene-d5	8.99	82	1068	0.36	ng	0.03
11) 2-Methylnaphthalene-d10	12.21	152	1967	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	543	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4051	0.43	ng	-0.01
25) Fluoranthene-d10	19.24	212	38179	0.35	ng	-0.01
29) Terphenyl-d14	19.84	244	10831	0.60	ng	-0.01

Target Compounds

						Qvalue
23) Phenanthrene	17.25	178	1974	0.108	ng	99
26) Fluoranthene	19.27	202	6273	0.202	ng	98
28) Pyrene	19.63	202	5635	0.213	ng	# 96
30) Benzo(a)anthracene	21.38	228	3161	0.105	ng	# 93
31) Chrysene	21.43	228	3875	0.124	ng	94
32) Bis(2-ethylhexyl)phthalate	21.29	149	7271	0.168	ng	99
33) Indeno(1,2,3-cd)pyrene	26.60	276	2707	0.073	ng	98
35) Benzo(b)fluoranthene	23.15	252	5736	0.177	ng	# 75
36) Benzo(k)fluoranthene	23.19	252	1930m	0.057	ng	
37) Benzo(a)pyrene	23.81	252	3084	0.096	ng	# 59
39) Benzo(a,h,i)perylene	27.43	276	2930	0.088	ng	# 88

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

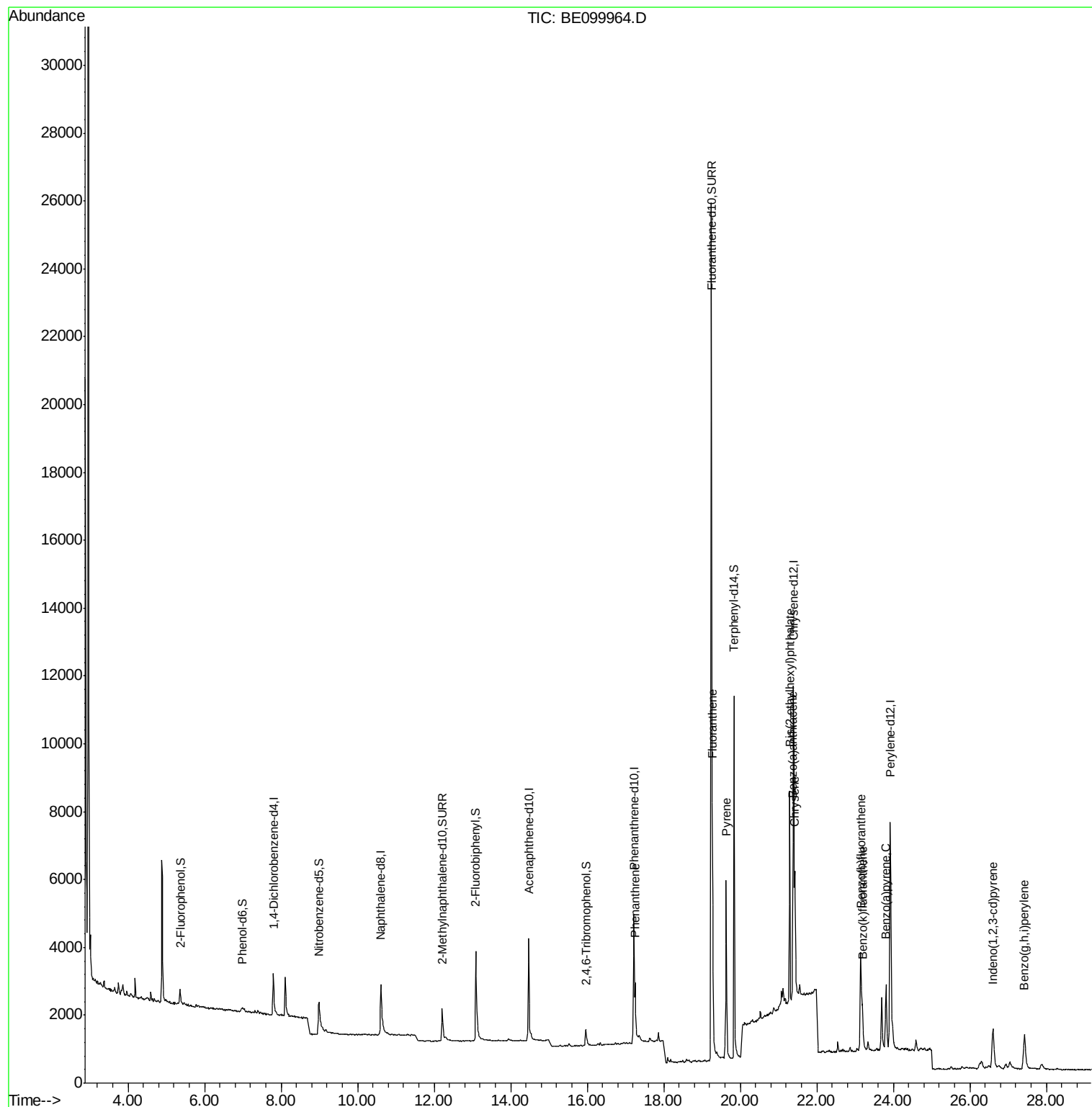
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061219\
Data File : BE099964.D
Acq On : 12 Jun 2019 19:48
Operator : JU/SJ
Sample : K3280-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

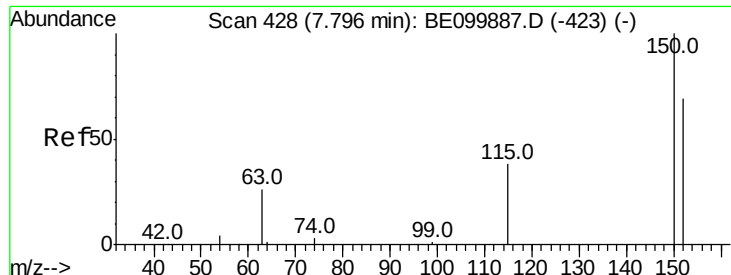
Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

Quant Time: Jun 13 05:19:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Manual Integrations
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.79 min Scan# 428

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

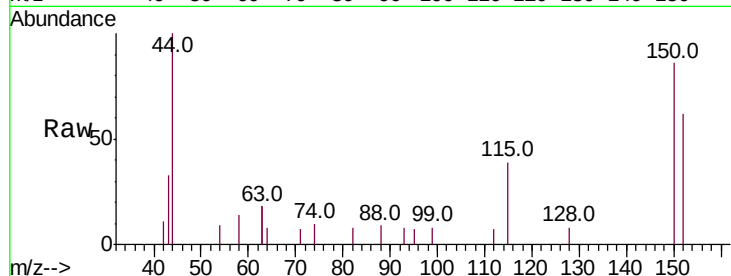
ClientSampleId :

BP-HN-MW29IR-20190608

Tot Ion:	152	Resp:	866
Ion	Ratio	Lower	Upper
152	100		
150	138.0	111.0	166.6
115	62.2	50.7	76.1

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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

800

600

400

200

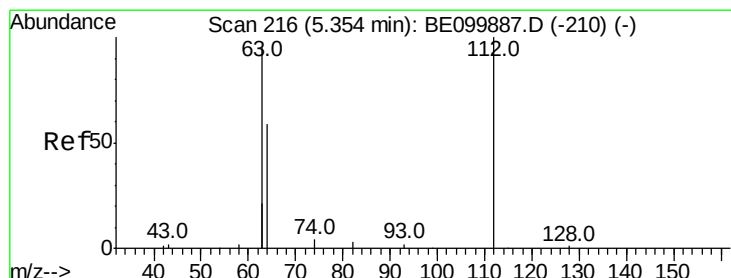
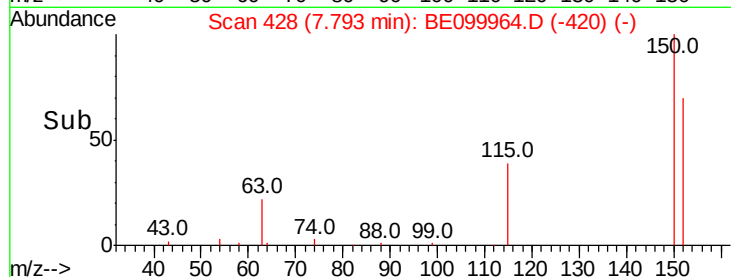
0

7.70

7.80

7.90

Time-->



#4

2-Fluorophenol

Concen: 0.179 ng

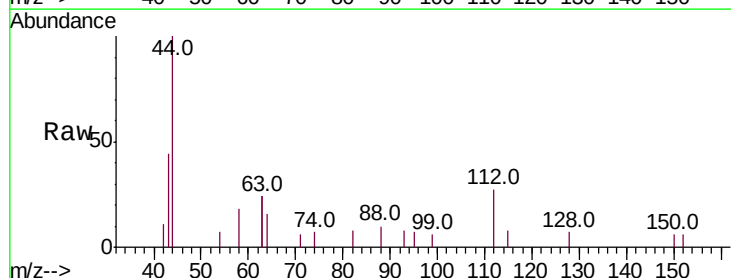
RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Tgt Ion:	112	Resp:	419
Ion	Ratio	Lower	Upper
112	100		
64	47.5	44.1	66.1
63	124.1	87.8	131.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

500

400

300

200

100

0

5.20

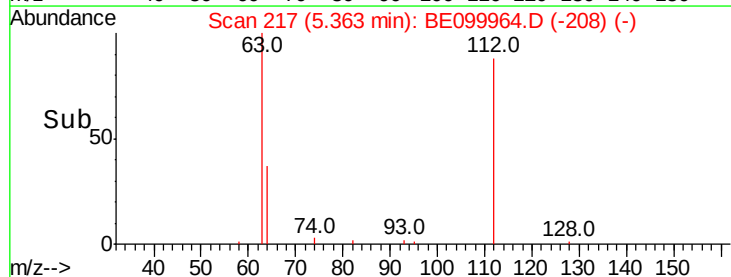
5.30

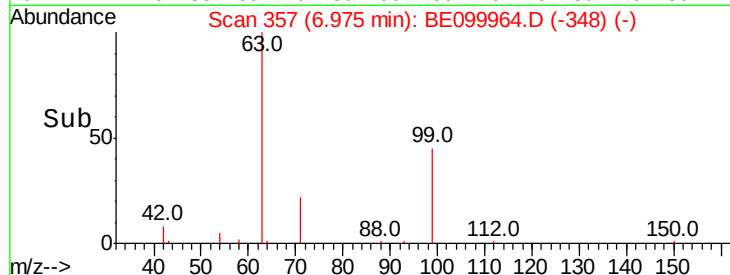
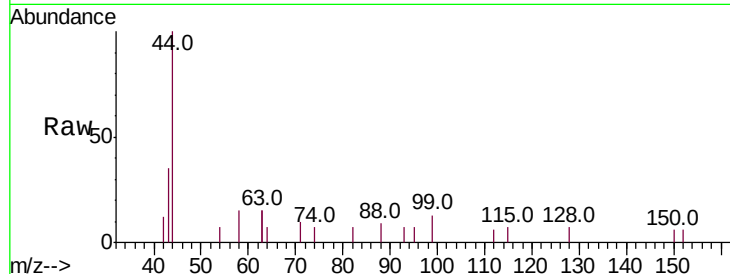
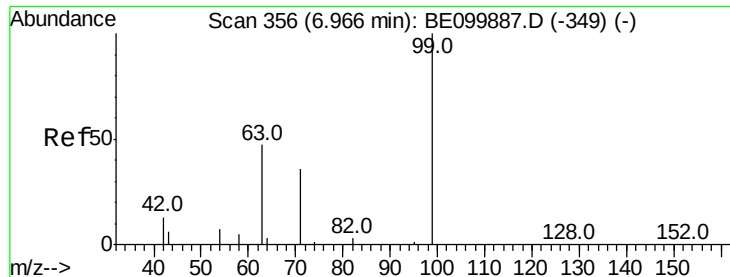
5.40

5.50

5.60

Time-->





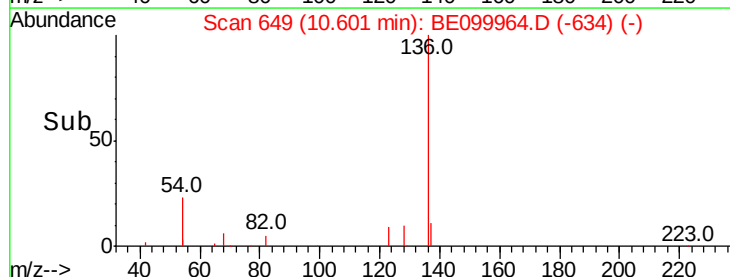
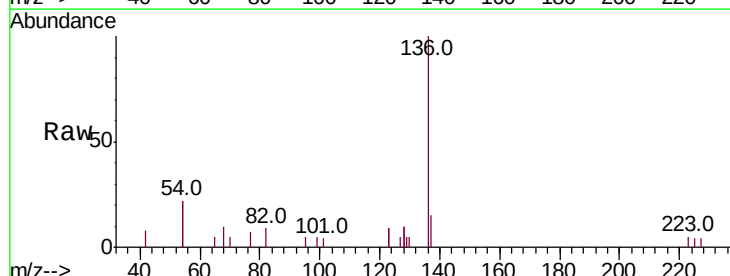
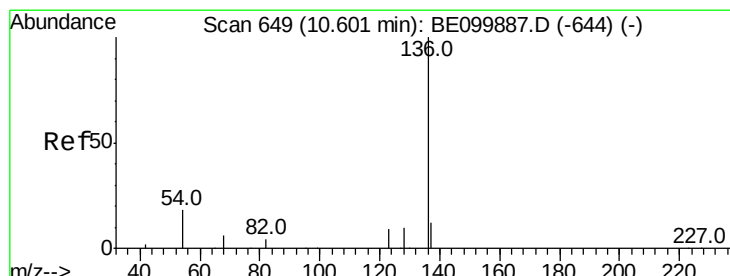
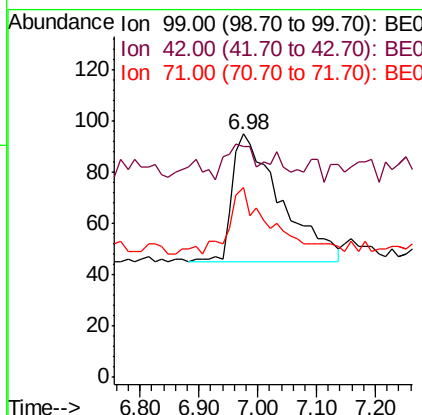
#5
Phenol-d6
Concen: 0.095 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tot Ion	99	Resp:	285
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.9	23.9
71	45.3	34.6	52.0

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

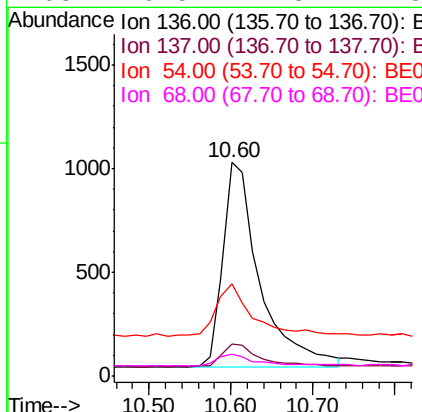
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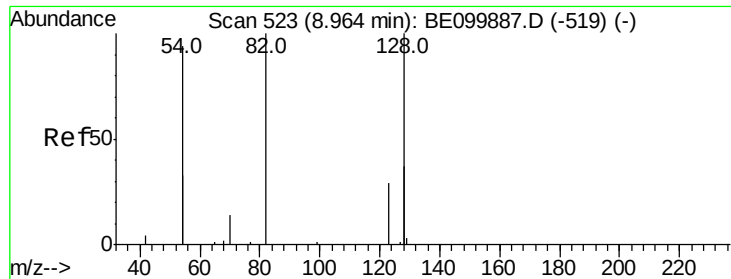
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion	136	Resp:	3097
Ion	Ratio	Lower	Upper
136	100		
137	14.8	12.3	18.5
54	43.1	28.2	42.4
68	10.5	7.8	11.8





#8

Nitrobenzene-d5

Concen: 0.364 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.03 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

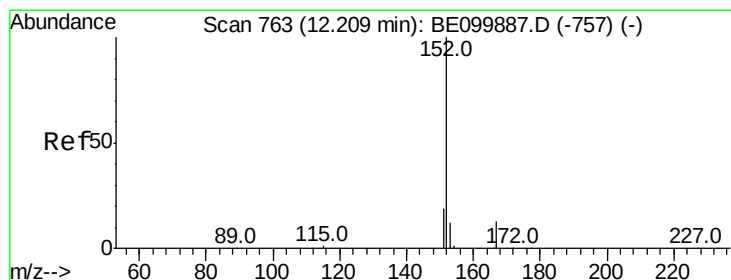
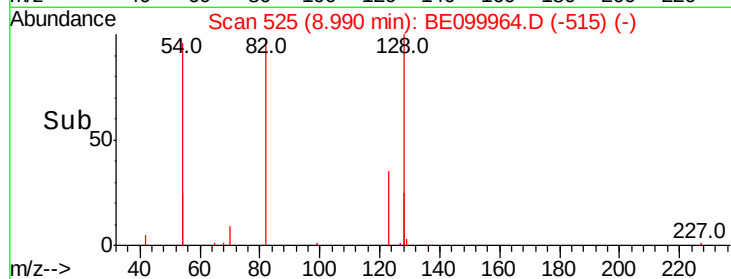
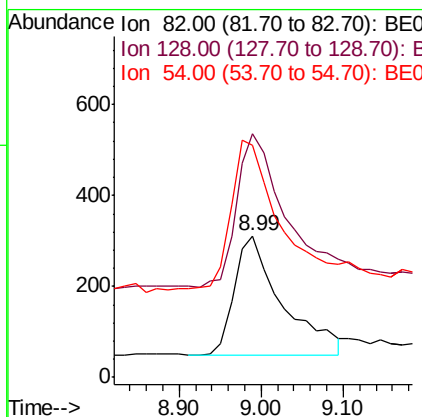
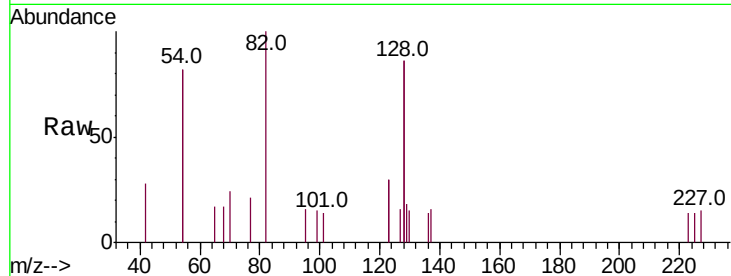
ClientSampleId :

BP-HN-MW29IR-20190608

Tot Ion:	82	Resp:	1068
Ion	Ratio	Lower	Upper
82	100		
128	172.3	137.3	205.9
54	164.6	129.7	194.5

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#11

2-Methylnaphthalene-d10

Concen: 0.364 ng

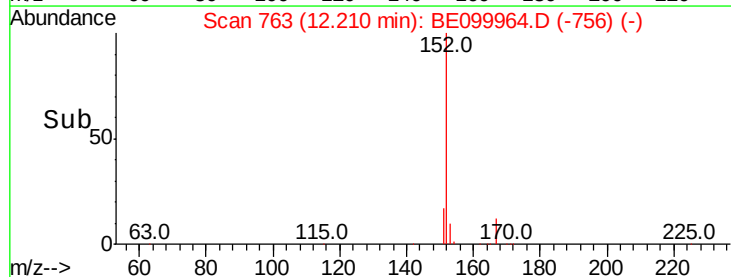
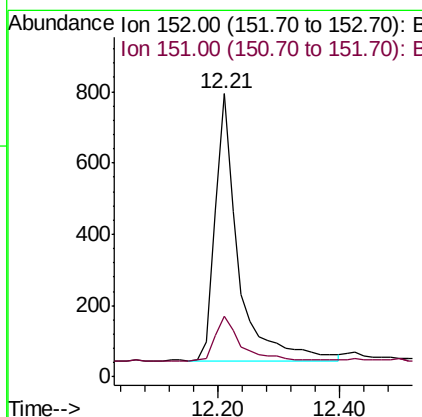
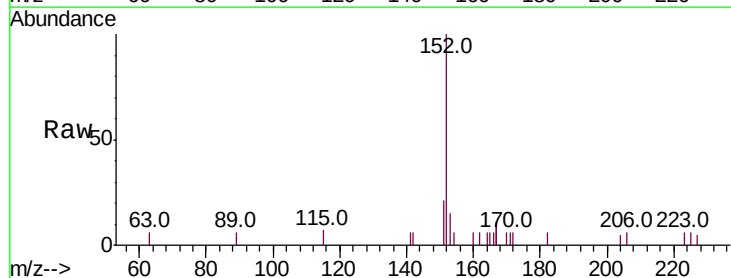
RT: 12.21 min Scan# 763

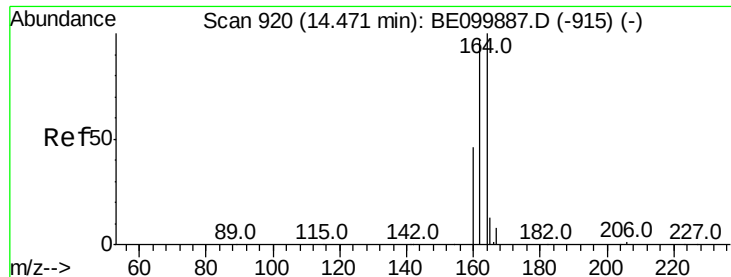
Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Tgt Ion:	152	Resp:	1967
Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.2	22.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

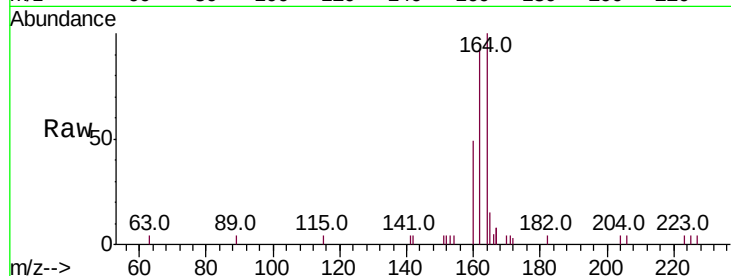
ClientSampleId :

BP-HN-MW29IR-20190608

Tot Ion:	164	Resp:	2486
Ion Ratio	Lower	Upper	
164	100		
162	93.0	77.8	116.8
160	48.9	38.2	57.4

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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

14.47

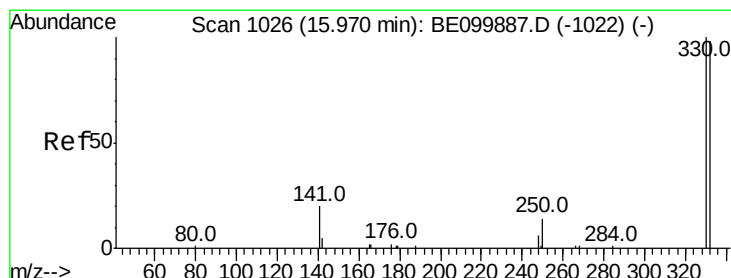
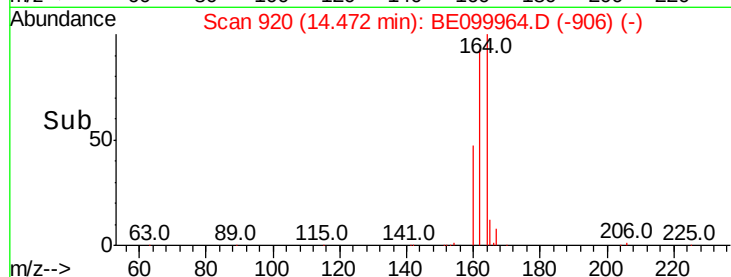
1000

500

0

14.40 14.50 14.60

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.296 ng

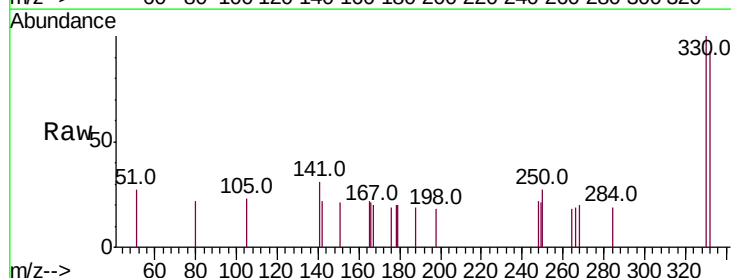
RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Tgt Ion:	330	Resp:	543
Ion Ratio	Lower	Upper	
330	100		
332	88.8	76.7	115.1
141	22.1	21.0	31.6



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

15.97

300

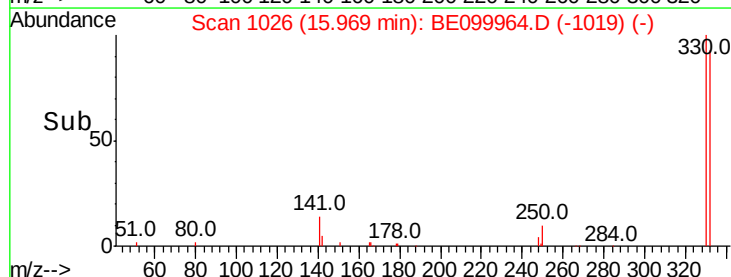
200

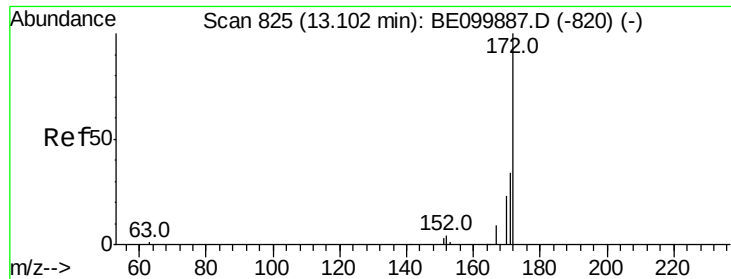
100

0

16.00 16.20

Time-->





#15

2-Fluorobiphenyl

Concen: 0.430 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

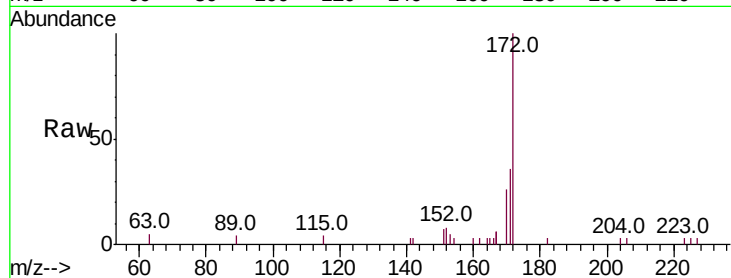
ClientSampleId :

BP-HN-MW29IR-20190608

Tot Ion:	172	Resp:	4051
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.2	43.8
170	26.5	21.2	31.8

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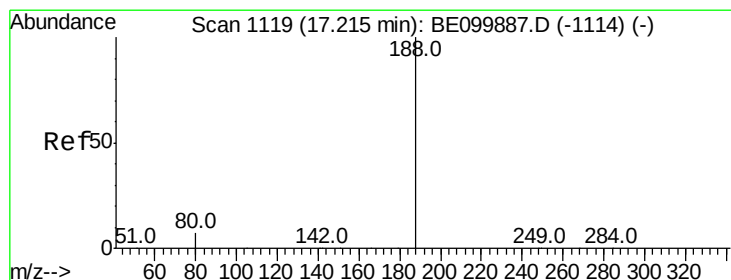
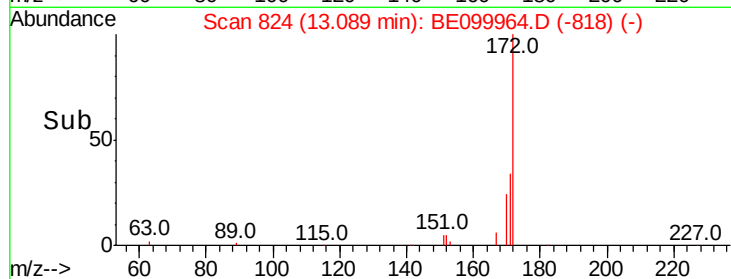
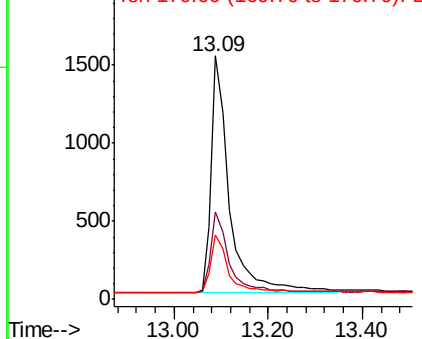
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099964.D

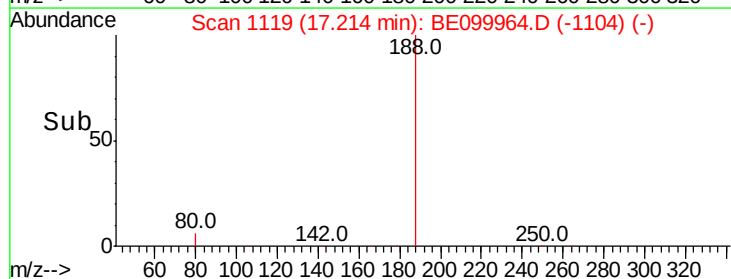
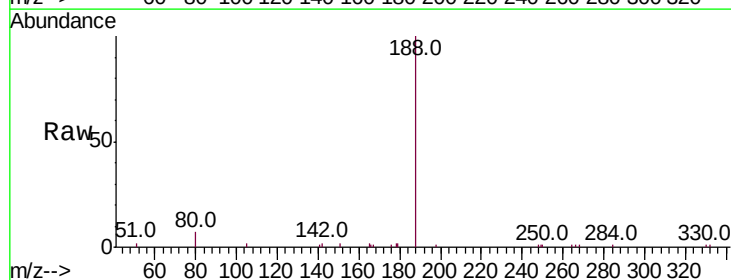
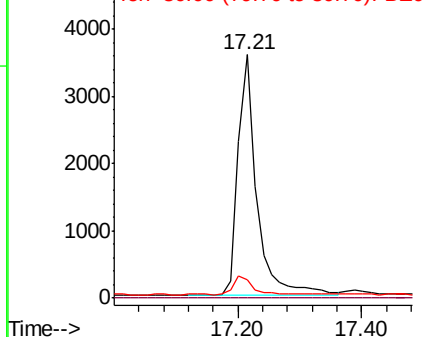
Acq: 12 Jun 2019 19:48

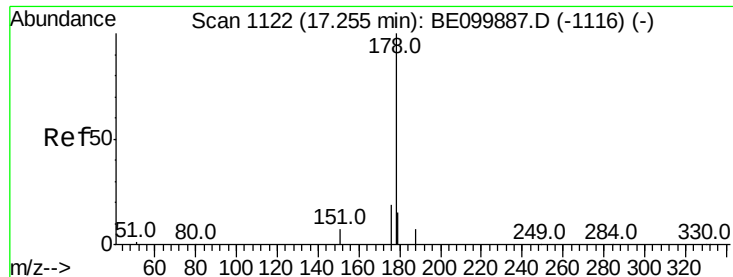
Tgt Ion:	188	Resp:	7541
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.3	6.4	9.6

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#23

Phenanthrene

Concen: 0.108 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

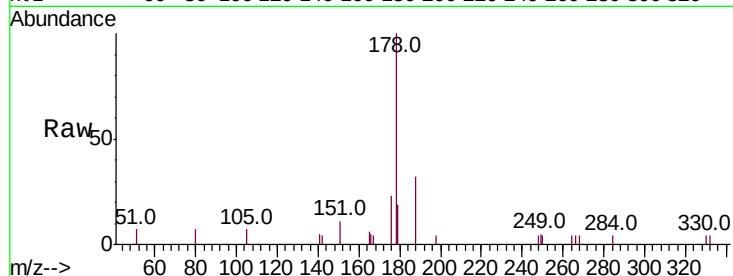
ClientSampleId :

BP-HN-MW29IR-20190608

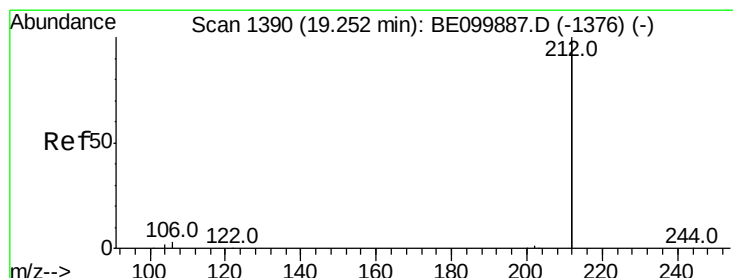
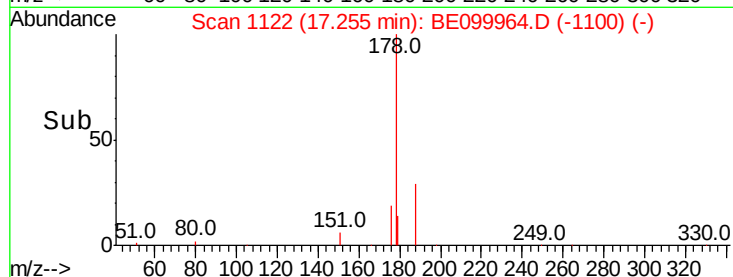
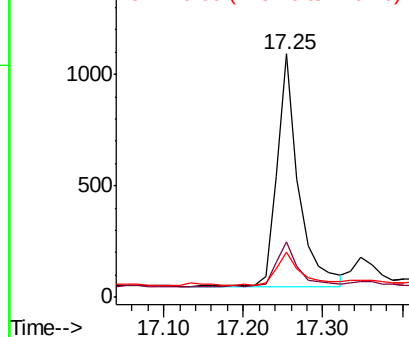
Tot Ion:178	Resp:	1974
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.8 23.8
179	15.2	12.4 18.6

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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



#25

Fluoranthene-d10

Concen: 0.347 ng

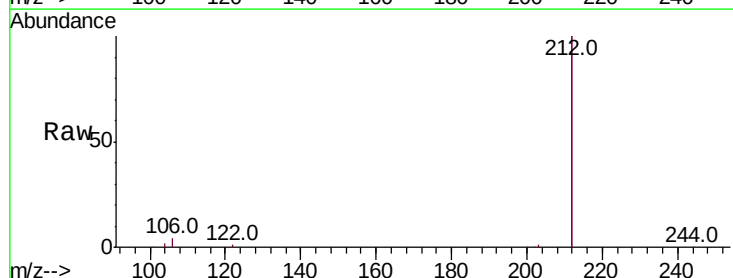
RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

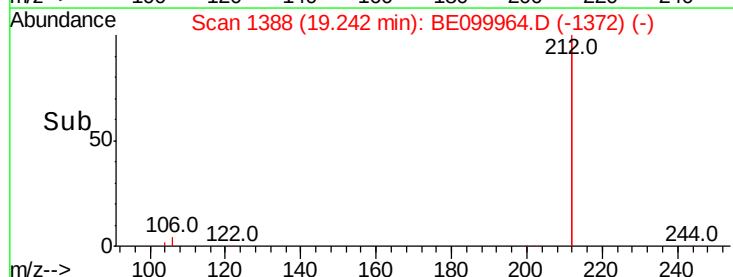
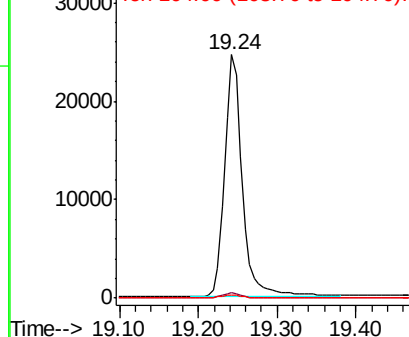
Lab File: BE099964.D

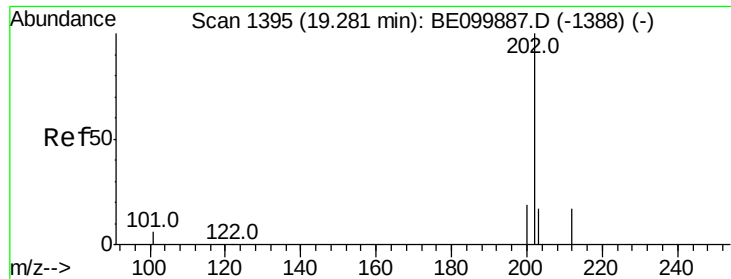
Acq: 12 Jun 2019 19:48

Tgt Ion:212	Resp:	38179
Ion Ratio	Lower	Upper
212	100	
106	1.9	1.4 2.2
104	1.2	0.9 1.3



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





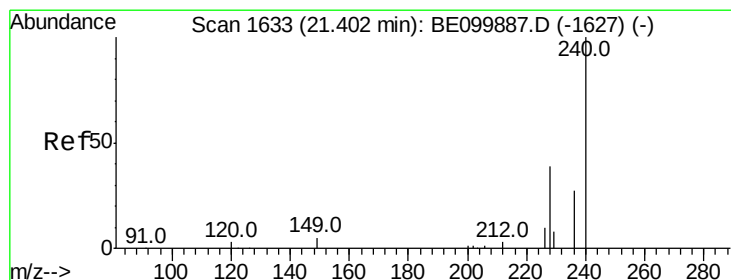
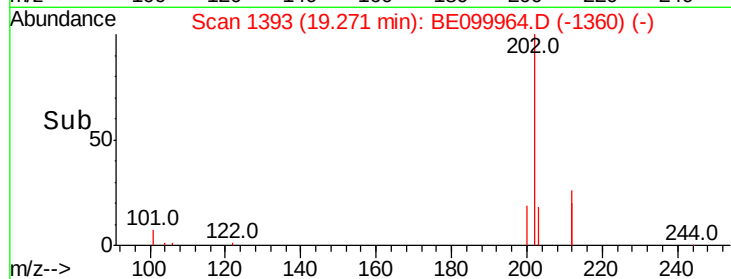
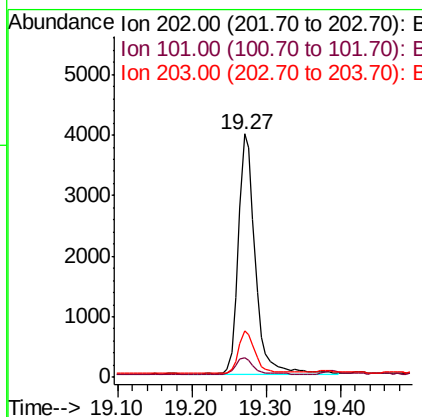
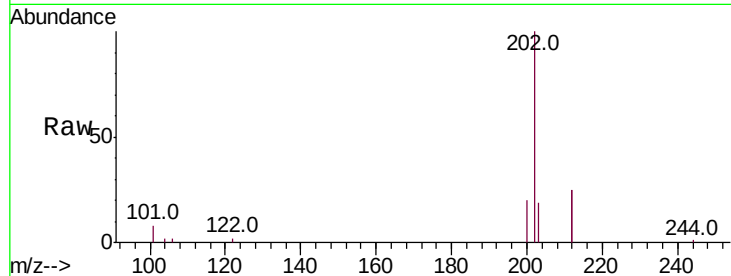
#26
 Fluoranthene
 Concen: 0.202 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190608

Tot Ion	Ratio	Lower	Upper
202	100		
101	7.3	5.4	8.0
203	17.1	13.2	19.8

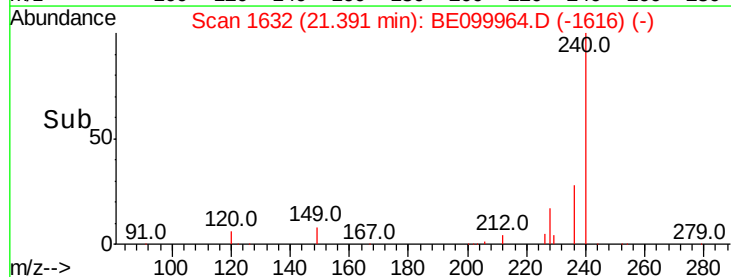
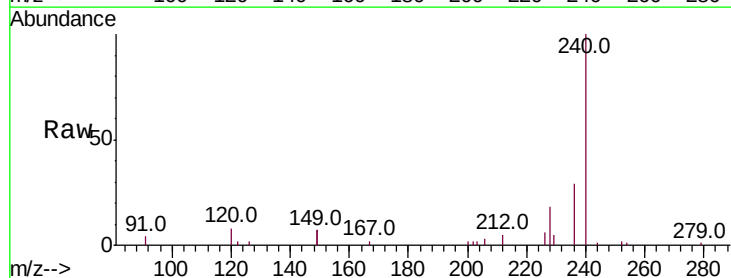
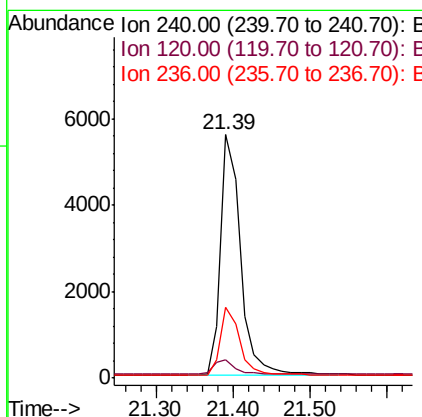
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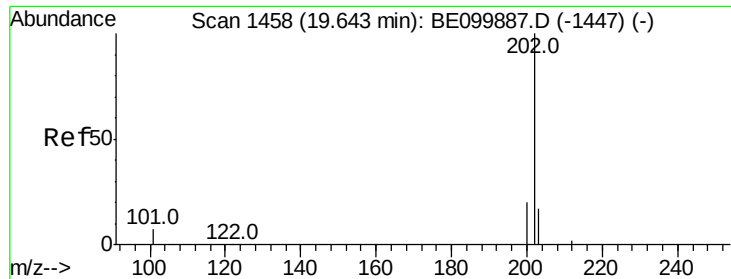
mohammad
 6/14/2019 8:45:00 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.6	3.8	5.6#
236	29.0	22.0	33.0





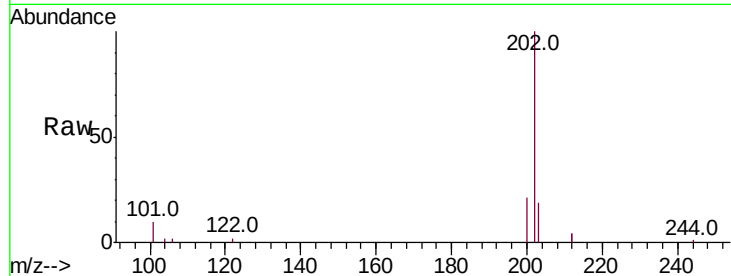
#28
Pvrene
Concen: 0.213 ng
RT: 19.63 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

Tot Ion	Ratio	Lower	Upper
202	100		
200	18.9	15.5	23.3
203	21.1	14.0	21.0

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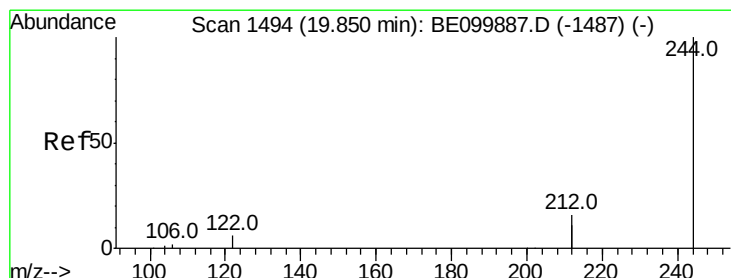
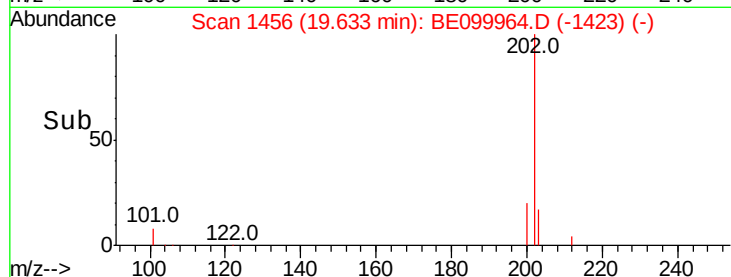
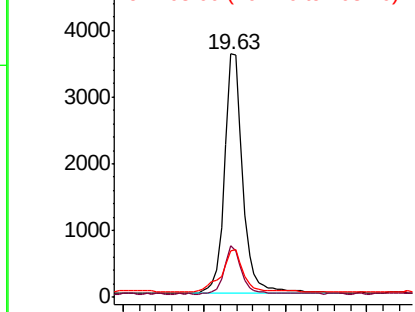


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.597 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

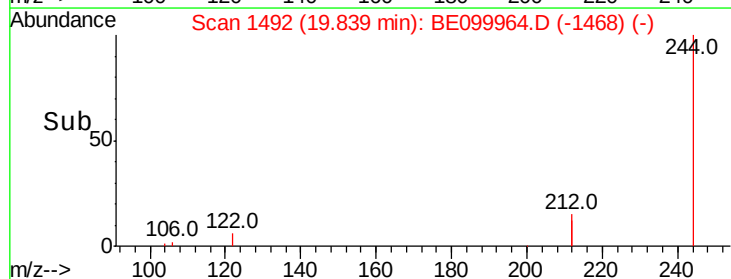
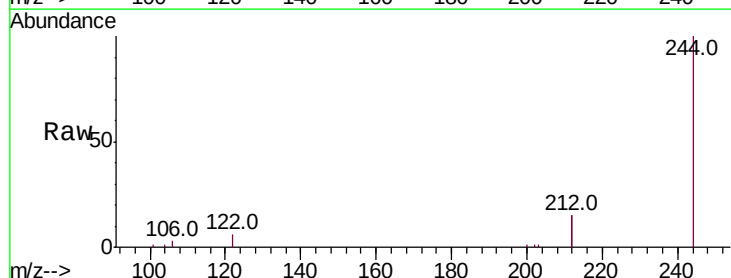
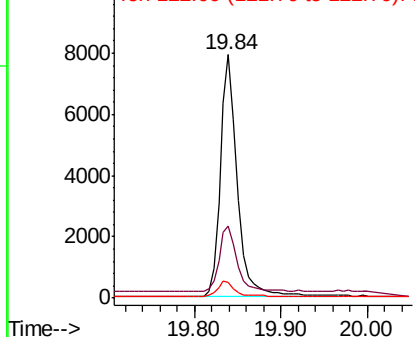
Tgt Ion	Ratio	Lower	Upper
244	100		
212	29.5	25.7	38.5
122	6.3	5.5	8.3

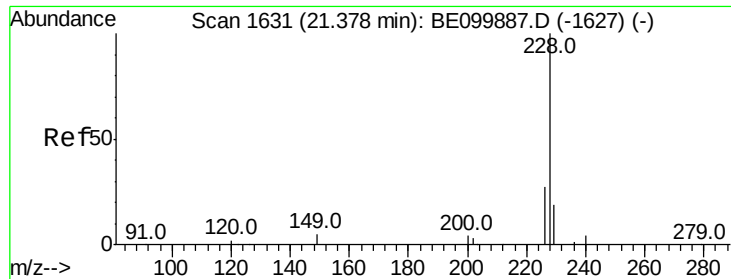
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





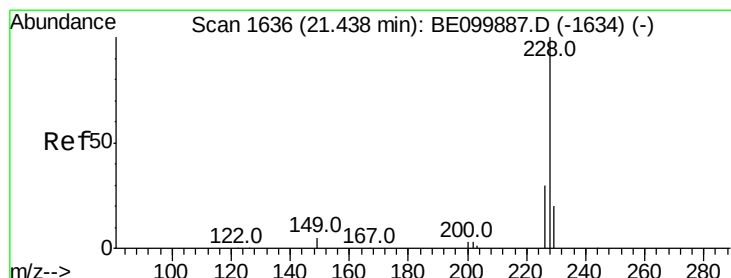
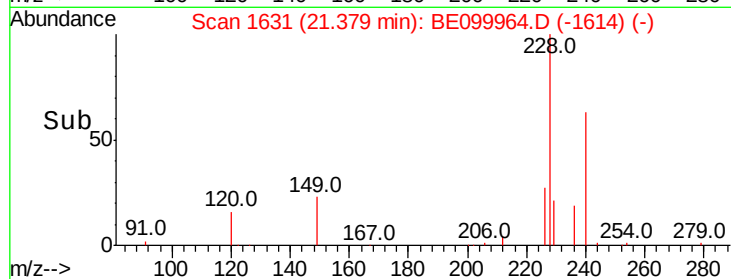
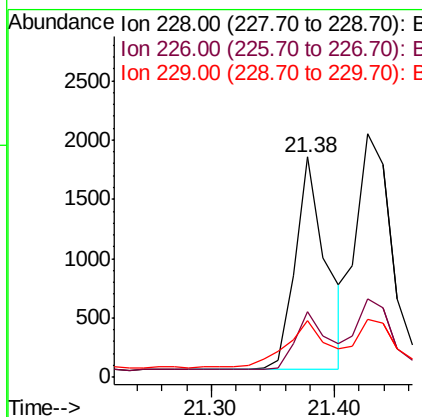
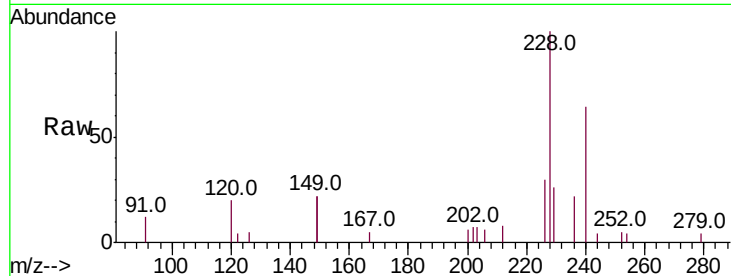
#30
Benzo(a)anthracene
Concen: 0.105 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.5	33.7
229	25.6	15.9	23.9

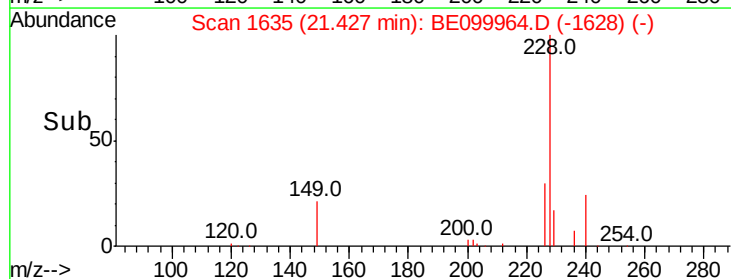
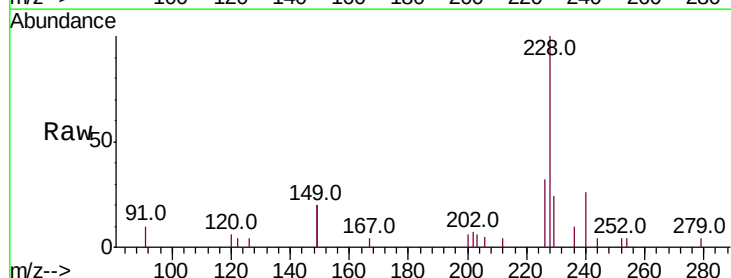
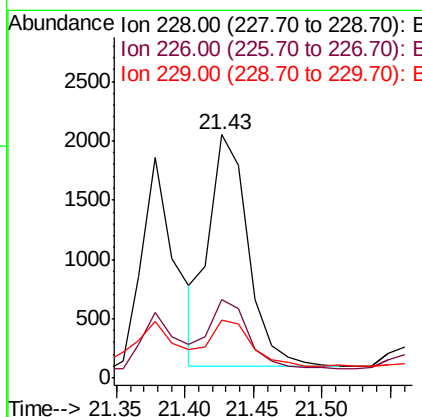
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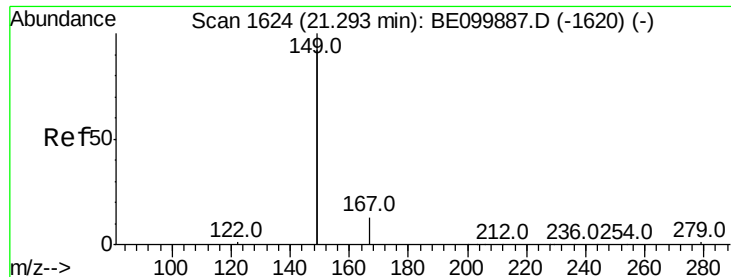
mohammad
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#31
Chrysene
Concen: 0.124 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.1	36.1
229	24.1	16.1	24.1





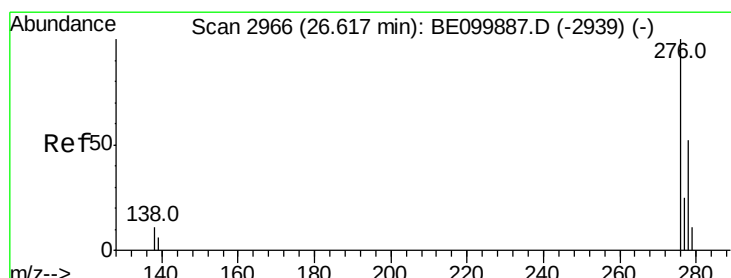
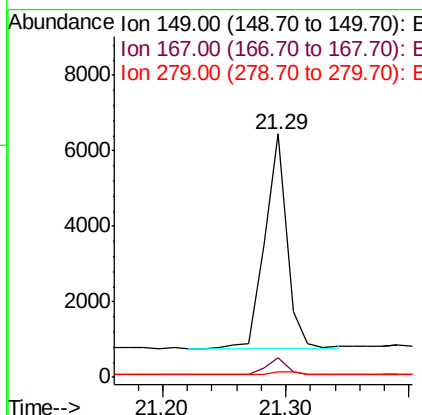
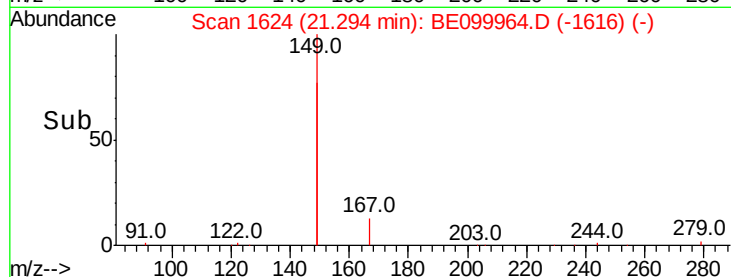
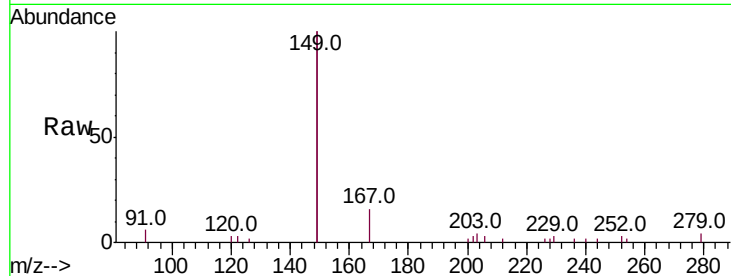
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.168 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Instrument :
 BNA_E
 ClientSampleId :
 BP-HN-MW29IR-20190608

Tot Ion:	149	Resp:	7271
Ion Ratio	Lower	Upper	
149	100		
167	7.0	5.9	8.9
279	1.5	1.2	1.8

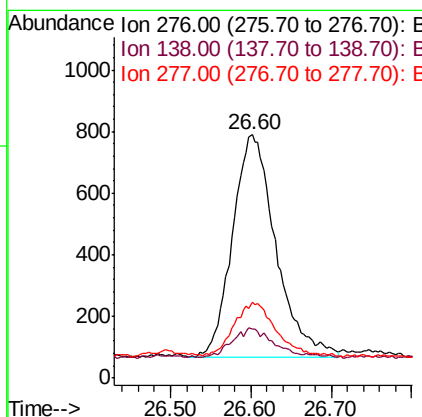
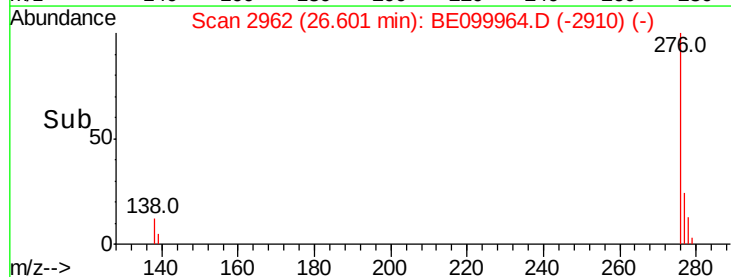
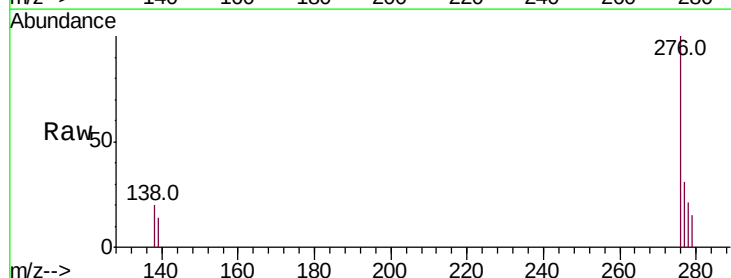
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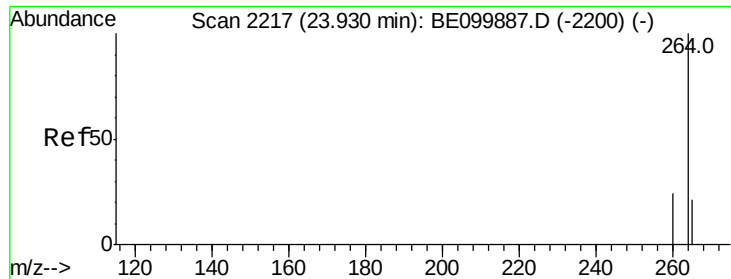
mohammad
 6/14/2019 8:45:00 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.073 ng
 RT: 26.60 min Scan# 2962
 Delta R.T. -0.02 min
 Lab File: BE099964.D
 Acq: 12 Jun 2019 19:48

Tgt Ion:	276	Resp:	2707
Ion Ratio	Lower	Upper	
276	100		
138	11.6	10.1	15.1
277	23.1	19.1	28.7





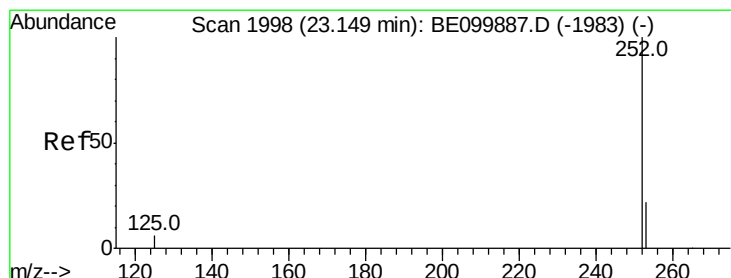
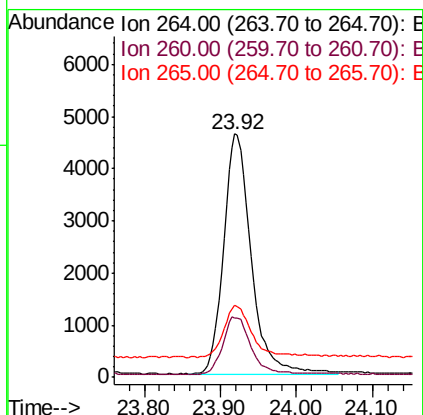
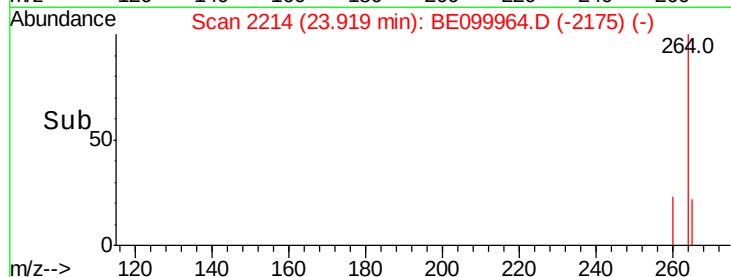
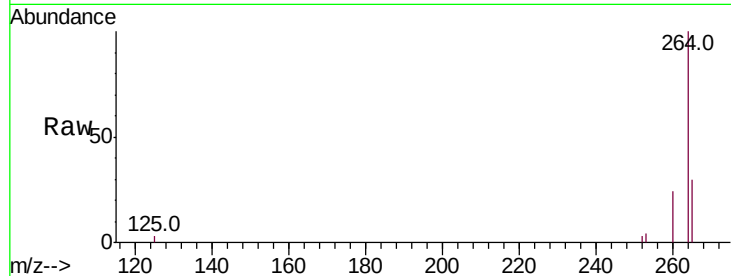
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.2	30.2
265	29.6	22.0	33.0

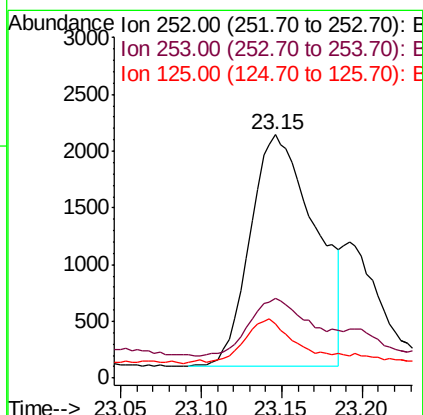
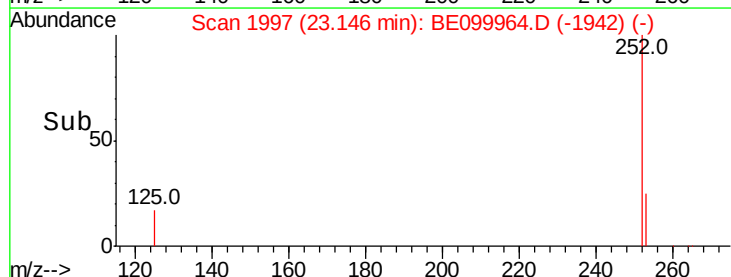
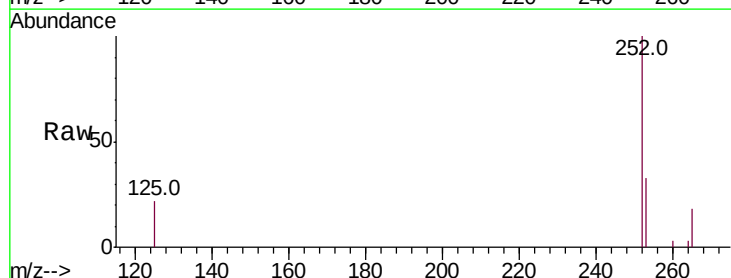
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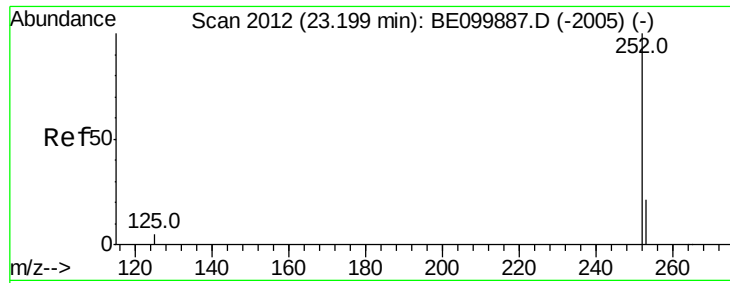
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#35
Benzo(b)fluoranthene
Concen: 0.177 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.9	18.7	28.1#
125	22.5	5.7	8.5#





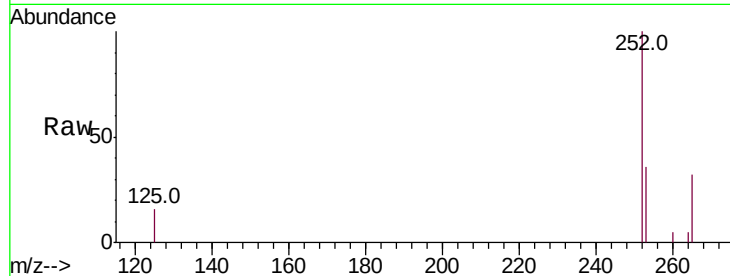
#36
Benzo(k)fluoranthene
Concen: 0.057 ng m
RT: 23.19 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Instrument :
BNA_E
ClientSampleId :
BP-HN-MW29IR-20190608

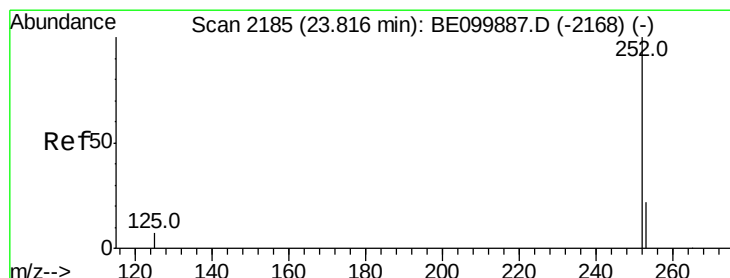
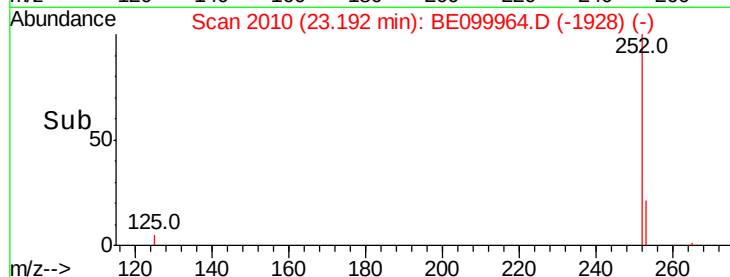
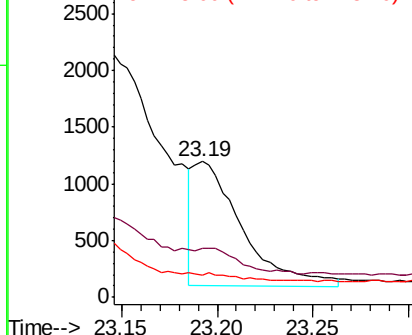
Tot Ion	Ratio	Lower	Upper
252	100		
253	36.4	18.6	28.0#
125	16.2	5.4	8.0#

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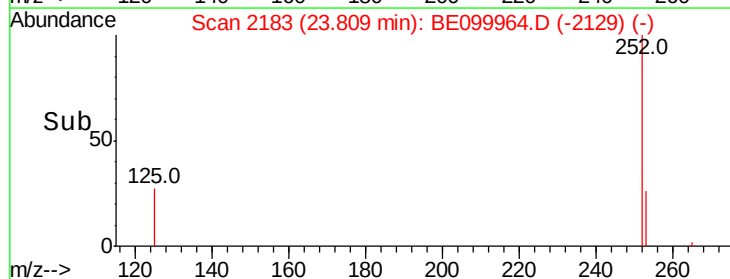
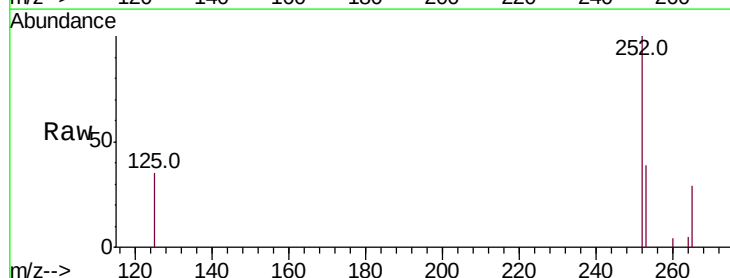
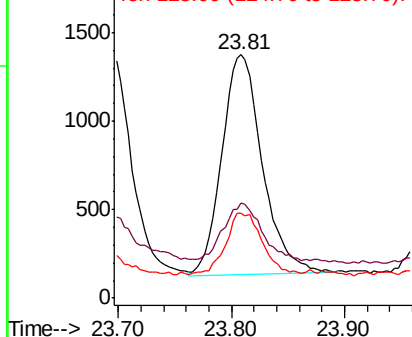
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

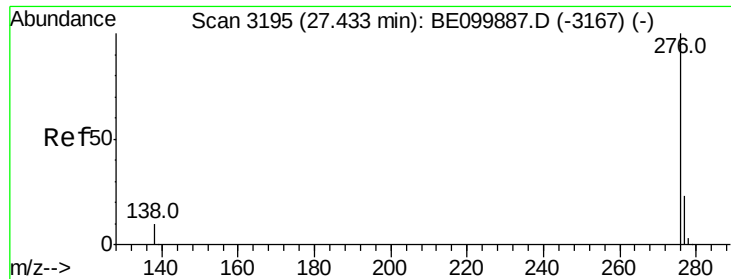


#37
Benzo(a)pyrene
Concen: 0.096 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BE099964.D
Acq: 12 Jun 2019 19:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	19.6	29.4#
125	34.7	6.6	10.0#

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





#39

Benzo(a,h,i)perylene

Concen: 0.088 ng

RT: 27.43 min Scan# 3193

Delta R.T. -0.01 min

Lab File: BE099964.D

Acq: 12 Jun 2019 19:48

Instrument :

BNA_E

ClientSampleId :

BP-HN-MW29IR-20190608

Tot Ion:	276	Resp:	2930
Ion Ratio	Lower	Upper	
276	100		
277	29.8	19.5	29.3#
138	17.6	9.5	14.3#

Manual Integrations
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