

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026296.D
 Acq On : 08 Jun 2020 20:45
 Operator : JU/CG
 Sample : L2890-03RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 72-11979-72-11969RE

Manual Integrations
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Quant Time: Jun 09 02:09:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	261622	20.00	ng	0.00
21) Naphthalene-d8	10.21	136	1014786	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	516849	20.00	ng	0.00
64) Phenanthrene-d10	16.86	188	866664	20.00	ng	0.01
76) Chrysene-d12	21.06	240	769856	20.00	ng	0.00
86) Perylene-d12	23.16	264	834726	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1409999	95.29	ng	0.01
7) Phenol-d6	6.66	99	1948303	90.93	ng	0.01
23) Nitrobenzene-d5	8.59	82	1288636	62.35	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	498623	79.64	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	2485233	72.99	ng	0.00
79) Terphenyl-d14	19.50	244	2488784	62.75	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.57	163	417663	11.048	ng	98
71) Phenanthrene	16.89	178	142111	3.149	ng	# 80
75) Fluoranthene	18.92	202	262925	5.081	ng	98
78) Pyrene	19.29	202	244020	4.797	ng	97
81) Benzo(a)anthracene	21.04	228	142023	3.073	ng	94
83) Chrysene	21.09	228	136935m	3.110	ng	
87) Indeno(1,2,3-cd)pyrene	25.23	276	103035	2.134	ng	95
88) Benzo(b)fluoranthene	22.54	252	207940m	4.141	ng	
90) Benzo(a)pyrene	23.07	252	137042	3.073	ng	# 72
92) Benzo(g,h,i)perylene	25.86	276	109991	2.867	ng	# 80

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

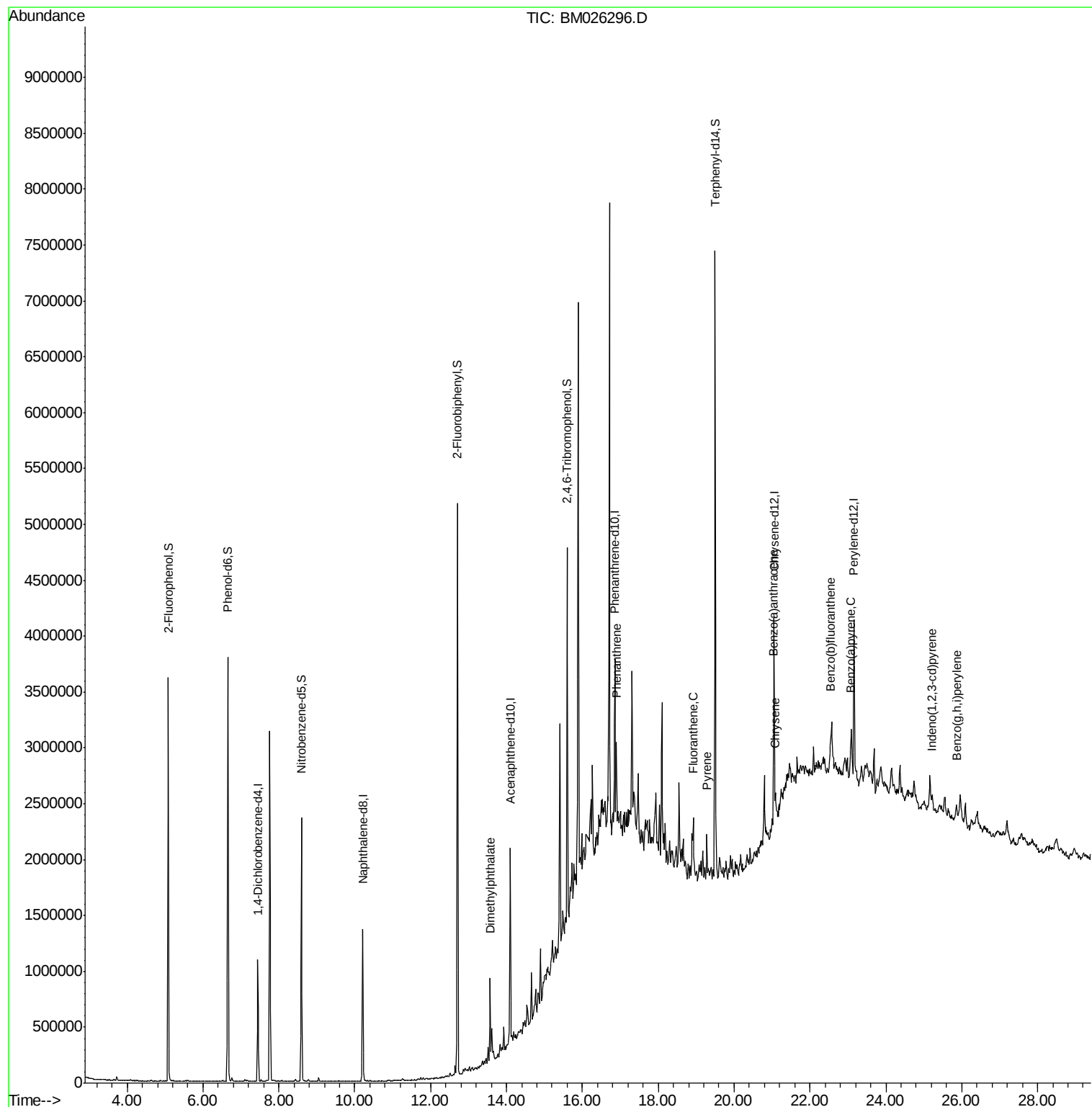
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
Data File : BM026296.D
Acq On : 08 Jun 2020 20:45
Operator : JU/CG
Sample : L2890-03RE
Misc :
ALS Vial : 14 Sample Multiplier: 1

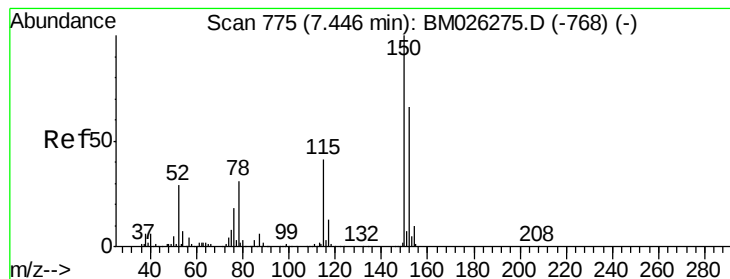
Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

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Quant Time: Jun 09 02:09:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 15:00:18 2020
Response via : Initial Calibration





#1

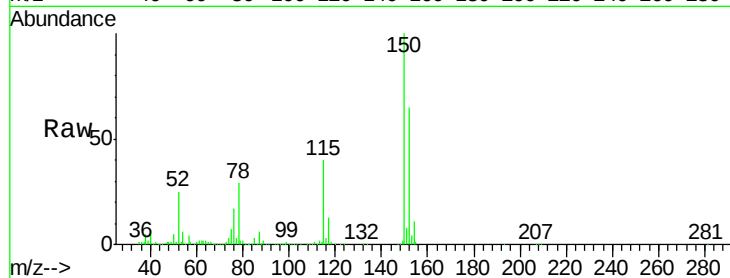
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 775
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

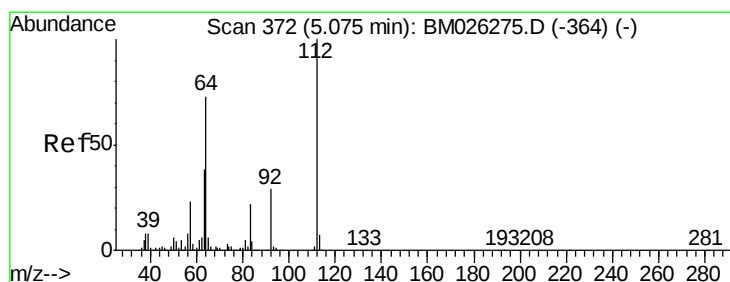
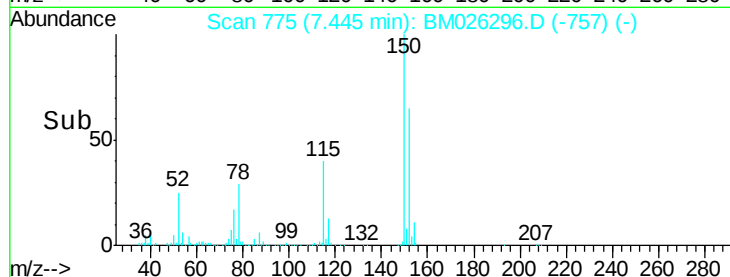
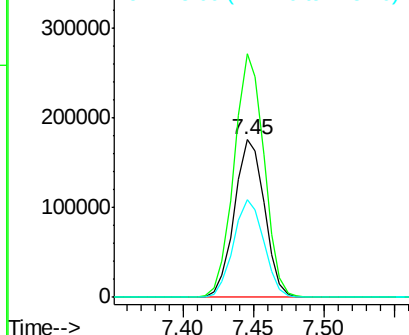
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	122.1	183.1
115	61.8	49.7	74.5

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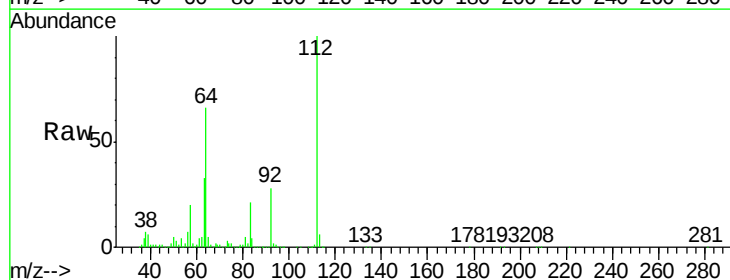
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



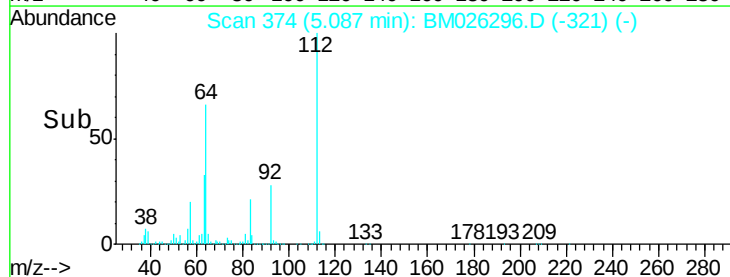
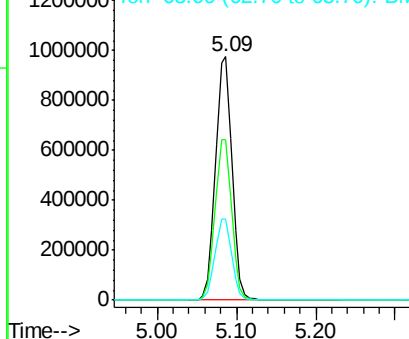
#5

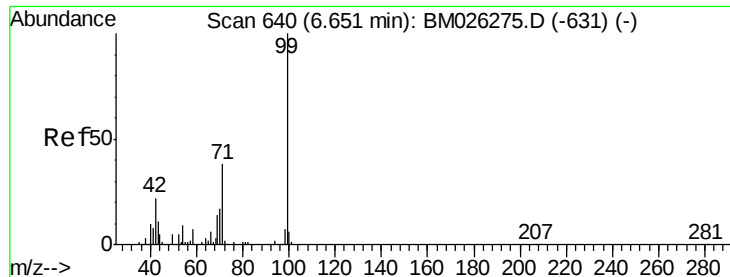
2-Fluorophenol
Concen: 95.287 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	58.1	87.1
63	33.2	30.6	45.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 90.926 ng

RT: 6.66 min Scan# 641

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

Tot Ion: 99 Resp: 1948303

Ion Ratio Lower Upper

99 100

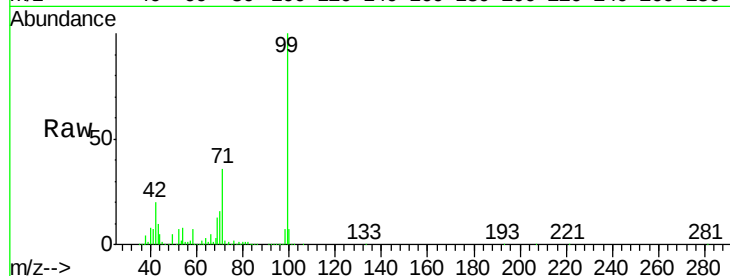
42 19.7 18.0 27.0

71 36.4 30.6 45.8

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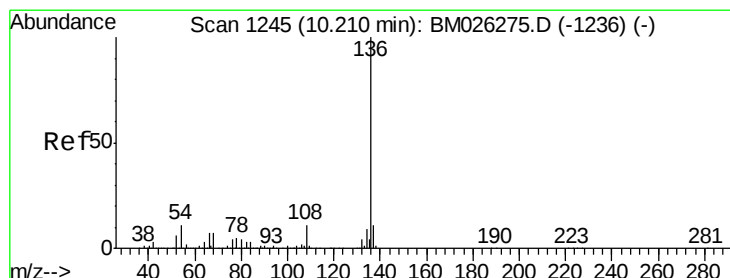
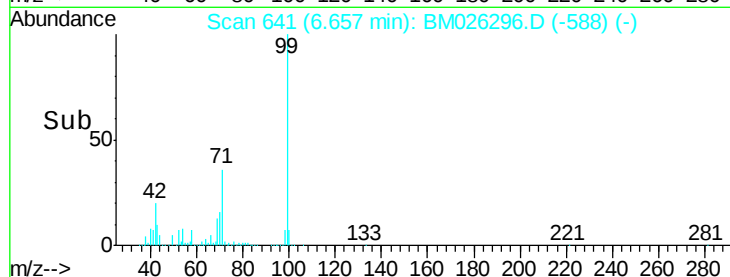
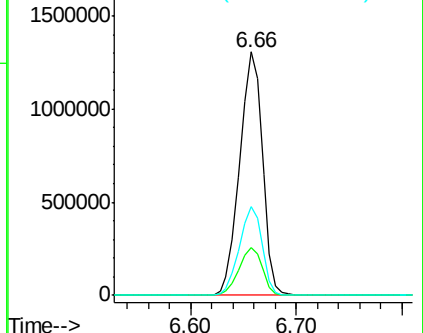
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Abundance Ion 99.00 (98.70 to 99.70): BM026296.D (-588) (-)

Ion 42.00 (41.70 to 42.70): BM026296.D (-588) (-)

Ion 71.00 (70.70 to 71.70): BM026296.D (-588) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.21 min Scan# 1245

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Tgt Ion: 136 Resp: 1014786

Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 10.0 9.0 13.4

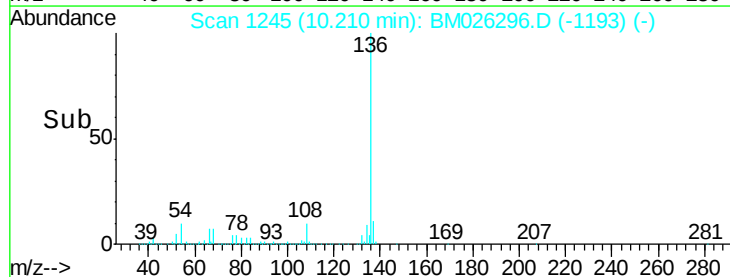
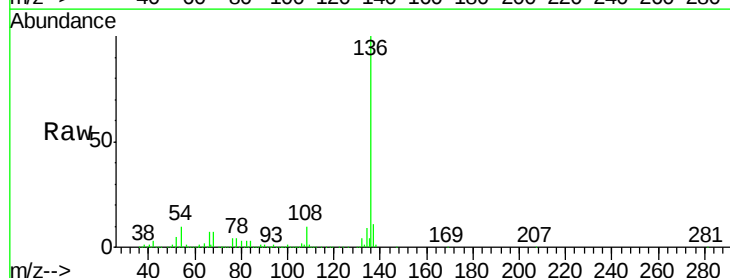
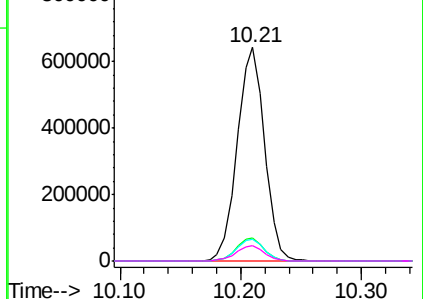
68 7.0 5.6 8.4

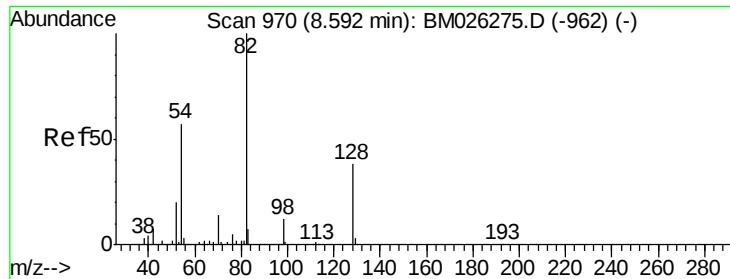
Abundance Ion 136.00 (135.70 to 136.70): BM026296.D (-1193) (-)

Ion 137.00 (136.70 to 137.70): BM026296.D (-1193) (-)

Ion 54.00 (53.70 to 54.70): BM026296.D (-1193) (-)

Ion 68.00 (67.70 to 68.70): BM026296.D (-1193) (-)





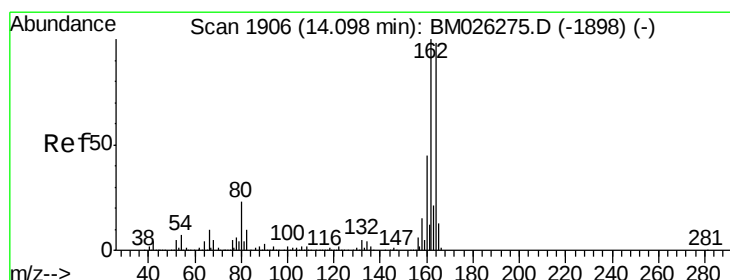
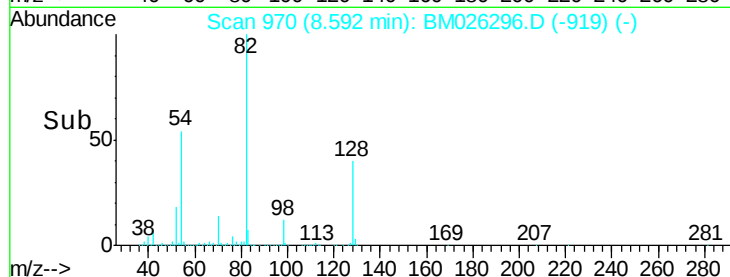
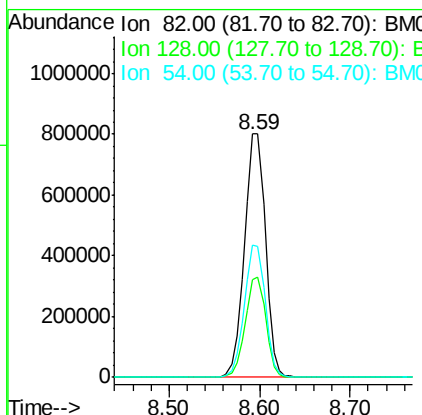
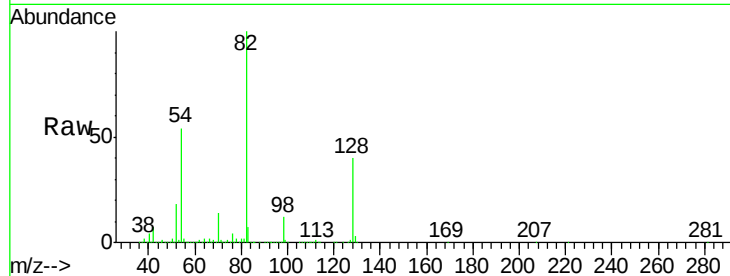
#23
 Nitrobenzene-d5
 Concen: 62.350 ng
 RT: 8.59 min Scan# 970
 Delta R.T. 0.00 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Instrument :
 BNA_M
 ClientSampleId :
 72-11979-72-11969RE

Tot Ion	82	Resp	1288636
Ion	Ratio	Lower	Upper
82	100		
128	40.3	30.3	45.5
54	54.4	45.4	68.2

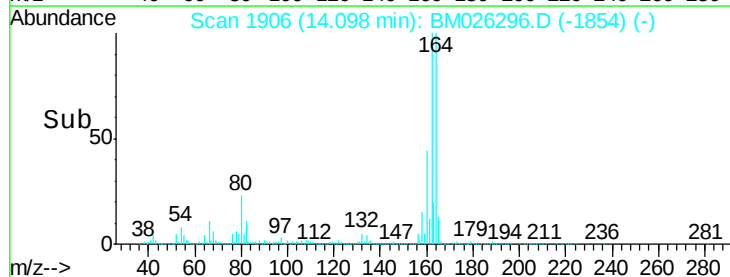
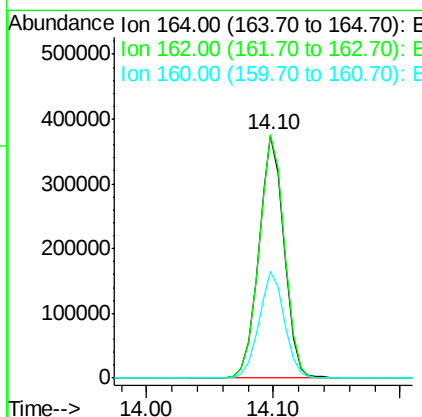
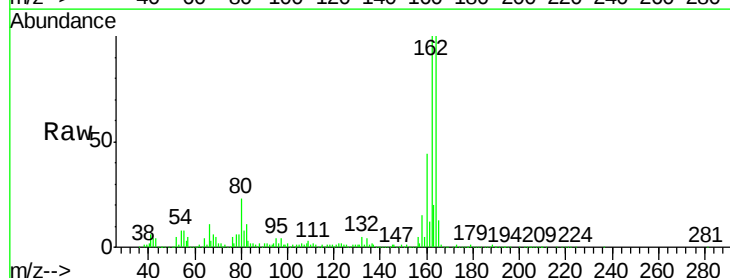
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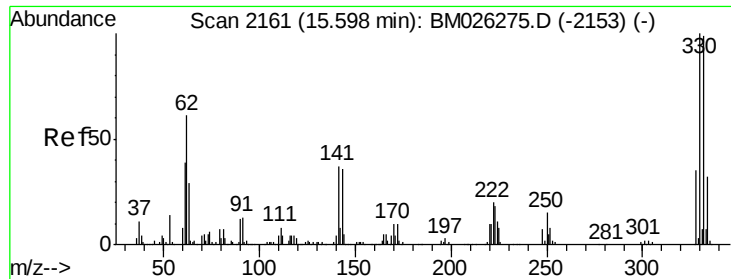
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.10 min Scan# 1906
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Tgt Ion	164	Resp	516849
Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.4	122.2
160	43.8	36.4	54.6





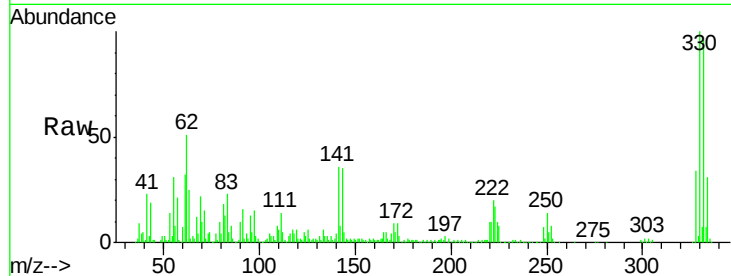
#42
 2,4,6-Tribromophenol
 Concen: 79.641 ng
 RT: 15.60 min Scan# 2162
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Instrument :
 BNA_M
 ClientSampleId :
 72-11979-72-11969RE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	498623		
332	96.6		78.1	117.1
141	35.8		30.0	45.0

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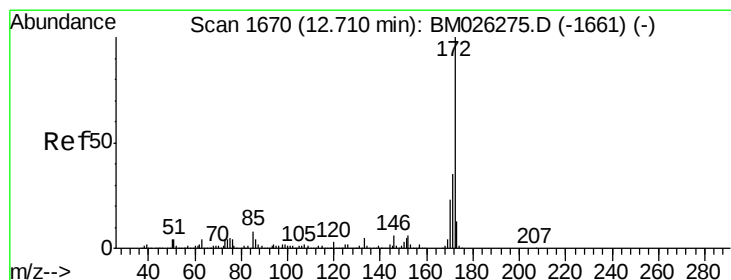
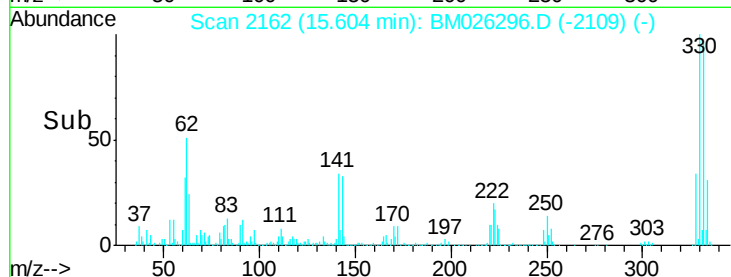
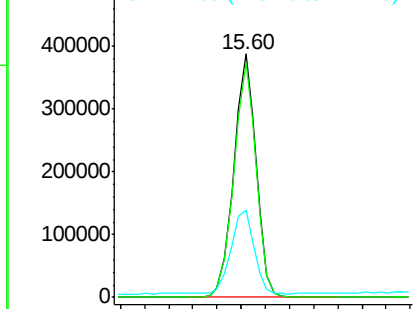


Abundance

Ion 329.80 (329.50 to 330.50): E

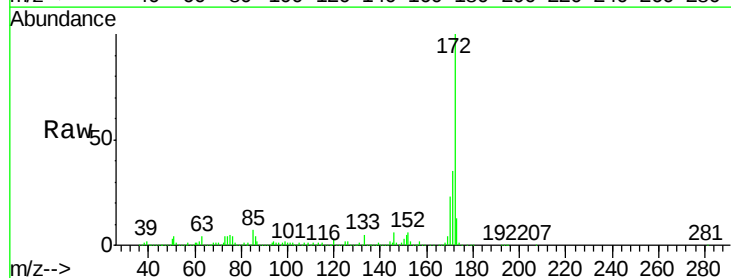
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.990 ng
 RT: 12.71 min Scan# 1670
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2485233		
171	34.8		28.2	42.2
170	22.7		18.3	27.5

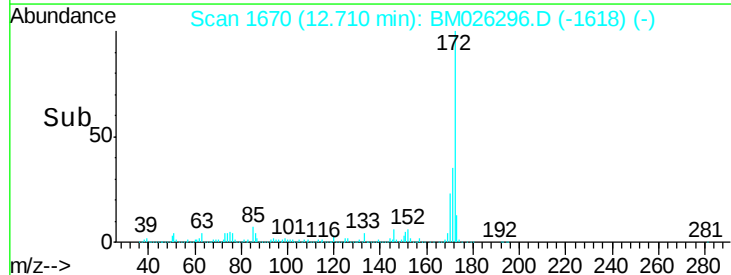
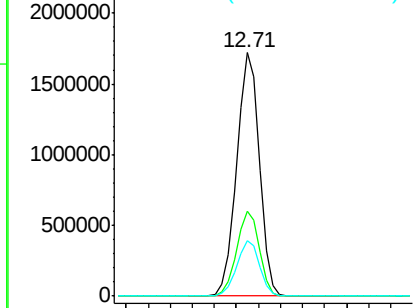


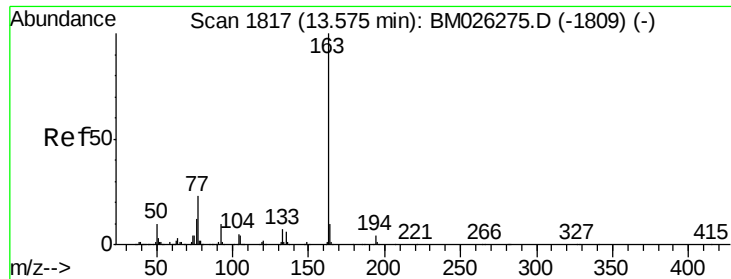
Abundance

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





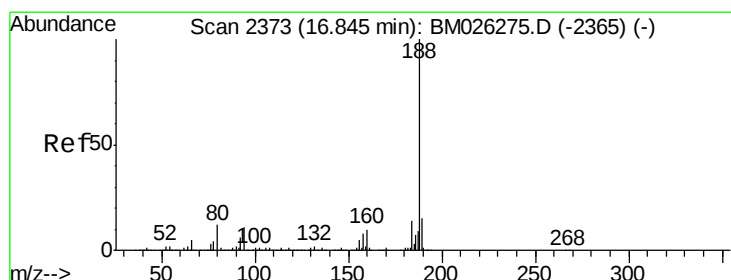
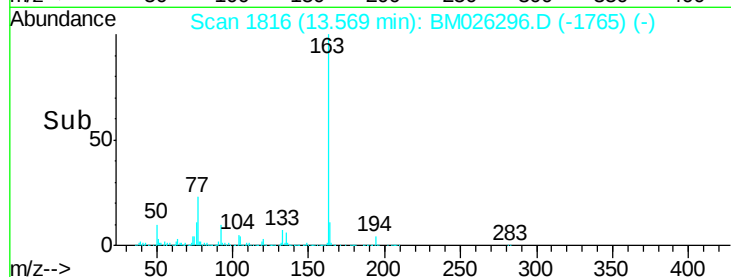
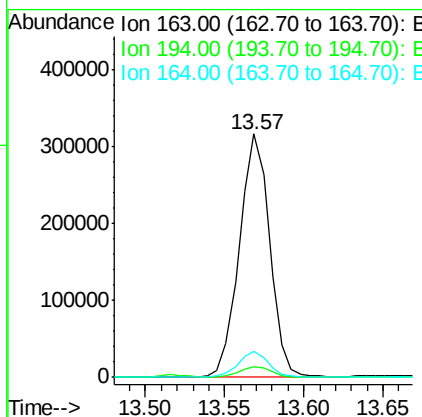
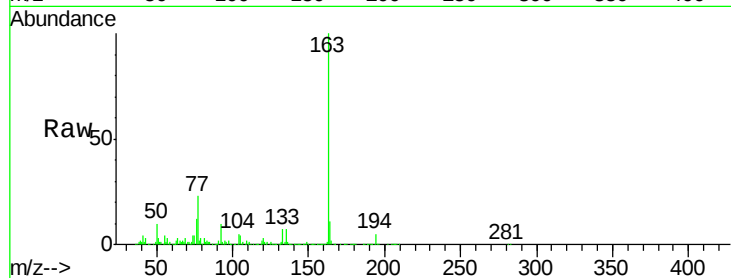
#50
Dimethylphthalate
Concen: 11.048 ng
RT: 13.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		417663		
194	4.5		3.4	5.2	
164	10.7		8.0	12.0	

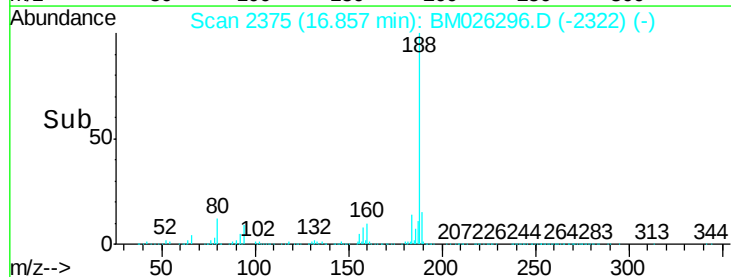
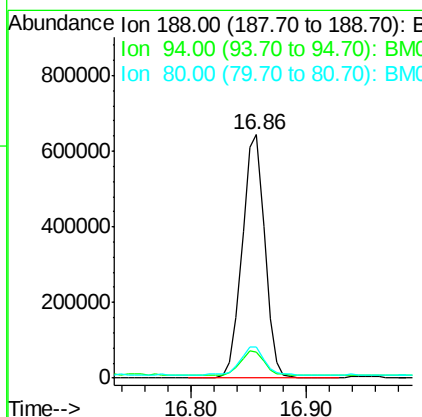
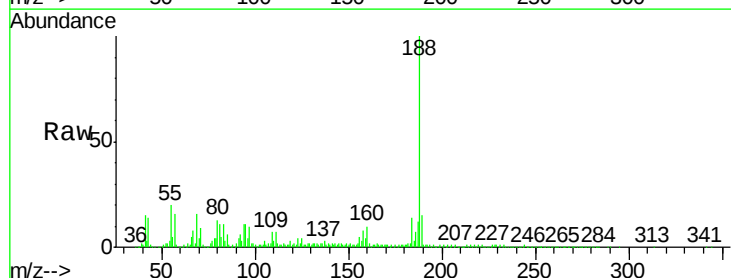
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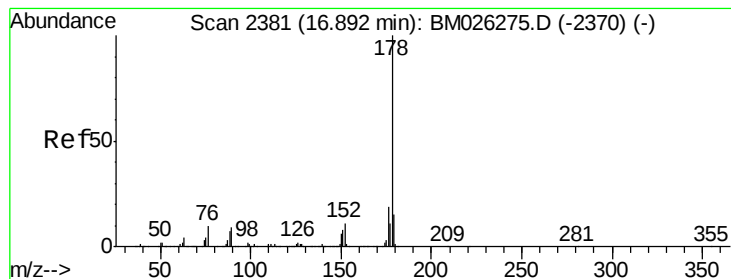
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.86 min Scan# 2375
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		866664		
94	10.6		8.6	12.8	
80	13.0		9.7	14.5	





#71

Phenanthrene

Concen: 3.149 ng

RT: 16.89 min Scan# 2381

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

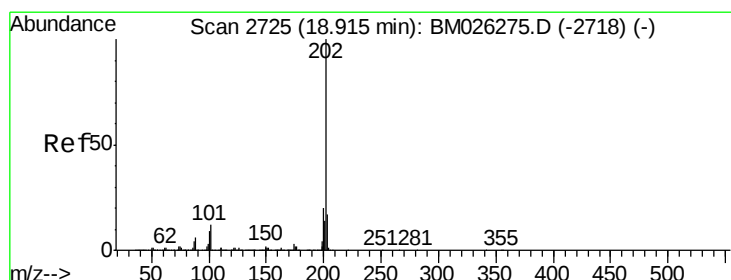
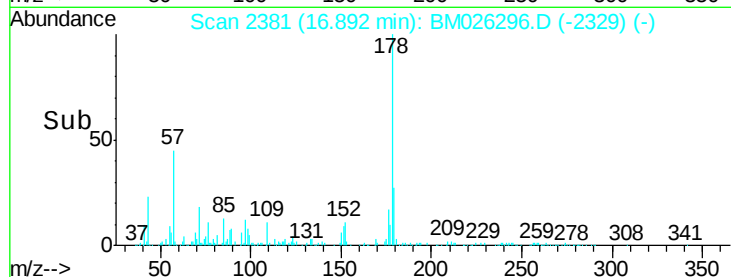
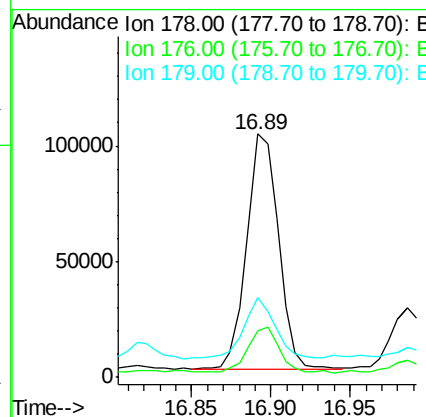
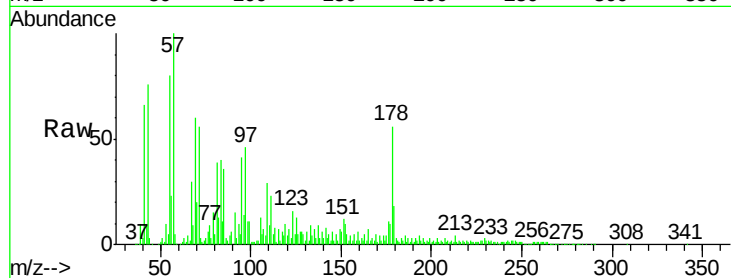
ClientSampleId :

72-11979-72-11969RE

Tot Ion:	178	Resp:	142111
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.9	22.3
179	32.7	12.0	18.0#

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#75

Fluoranthene

Concen: 5.081 ng

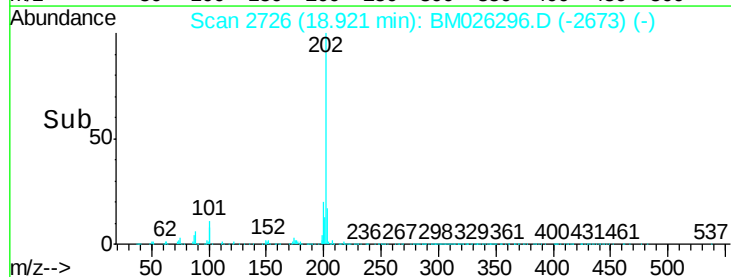
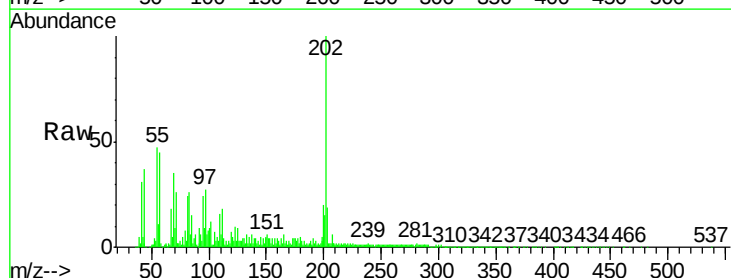
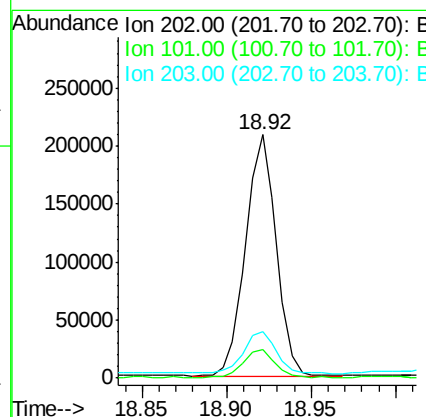
RT: 18.92 min Scan# 2726

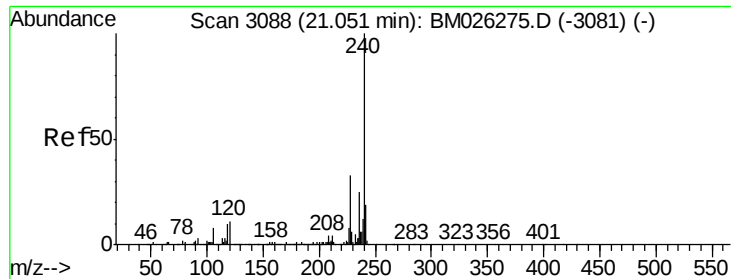
Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Tgt Ion:	202	Resp:	262925
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	31.6
203	19.1	0.0	37.4





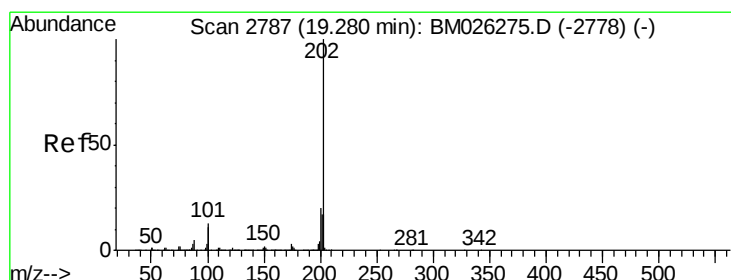
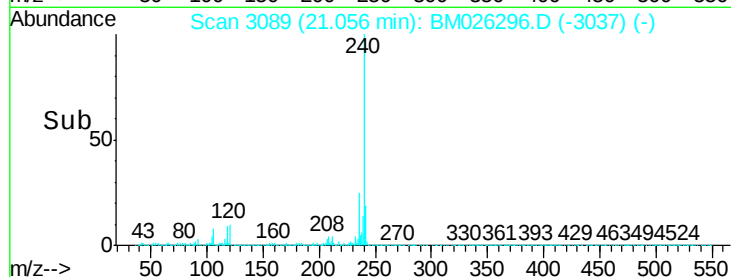
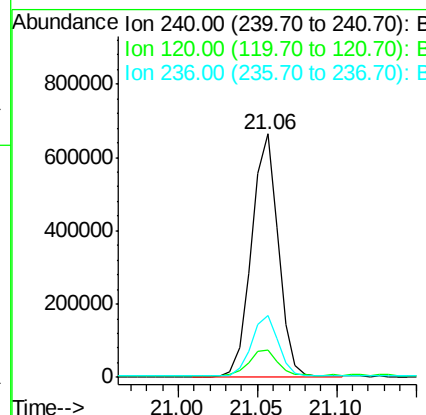
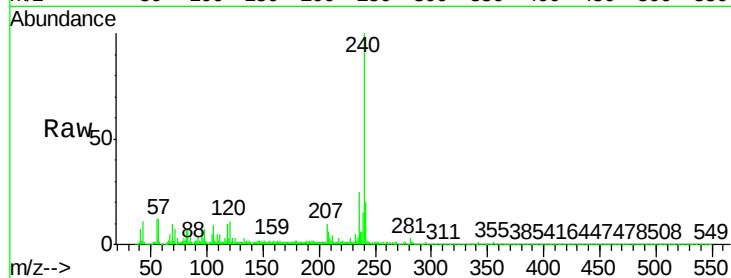
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.06 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	11.0	8.9	13.3
236	25.5	19.7	29.5

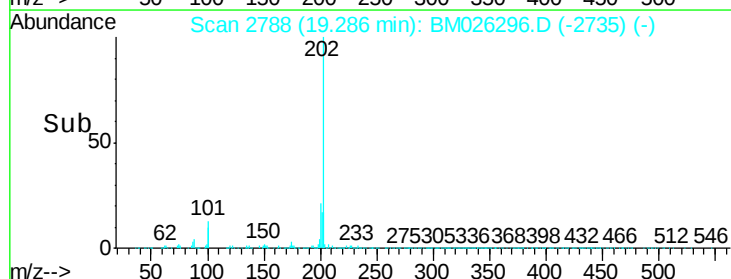
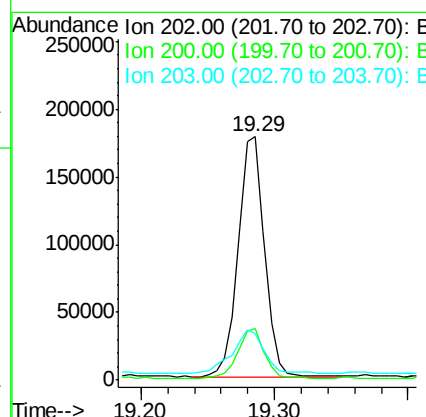
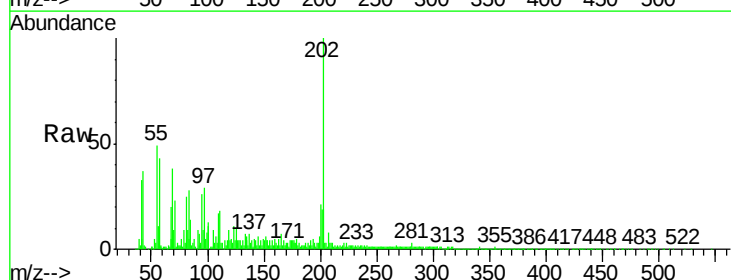
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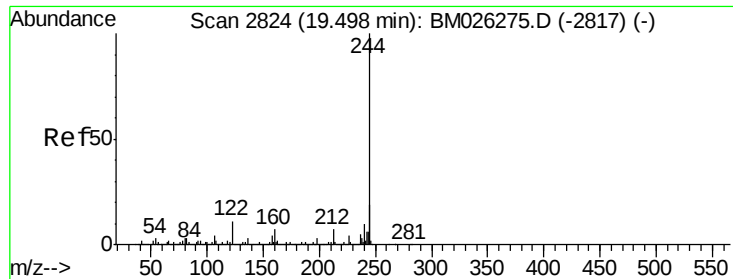
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#78
Pyrene
Concen: 4.797 ng
RT: 19.29 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	16.2	24.4
203	19.3	13.8	20.8





#79

Terphenyl-d14

Concen: 62.754 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

ClientSampleId :

72-11979-72-11969RE

Tot Ion:244 Resp: 2488784

Ion Ratio Lower Upper

244 100

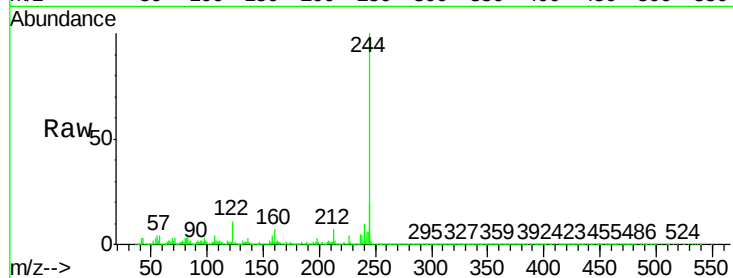
212 7.2 5.7 8.5

122 11.1 9.1 13.7

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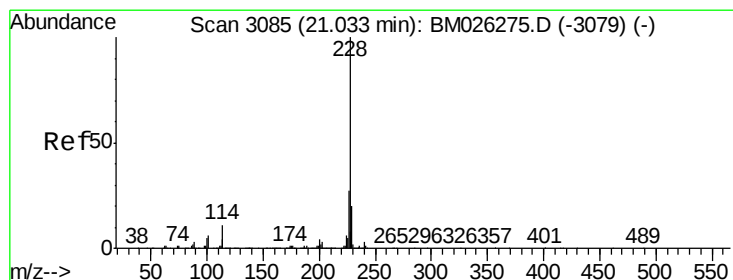
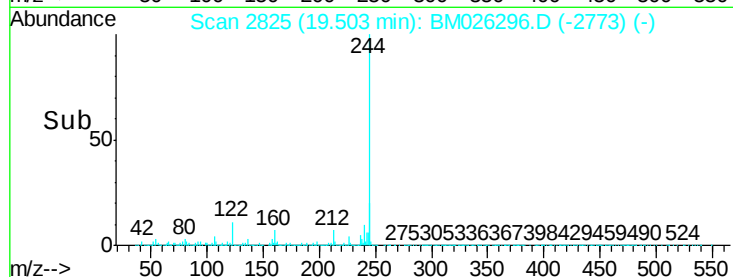
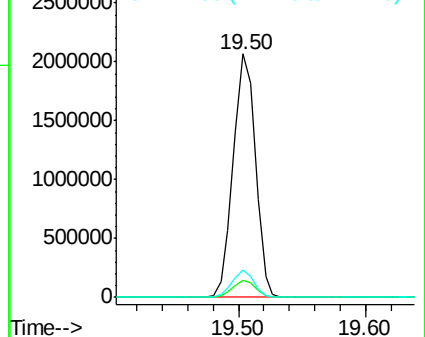
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.073 ng

RT: 21.04 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

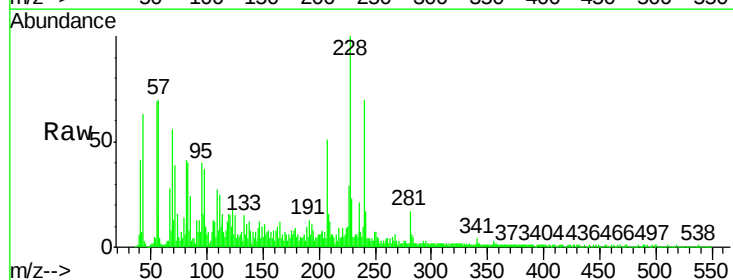
Tgt Ion:228 Resp: 142023

Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

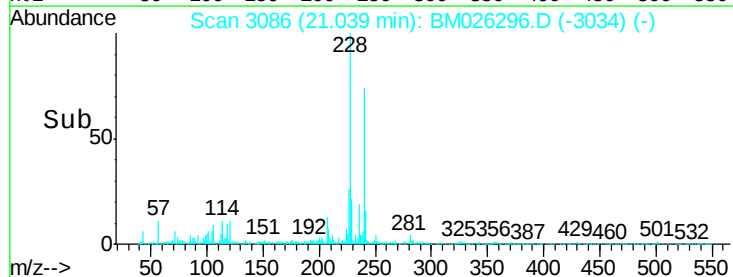
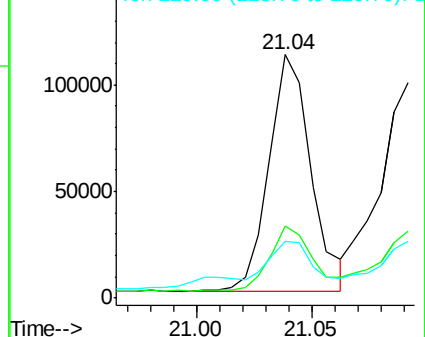
229 23.5 15.9 23.9

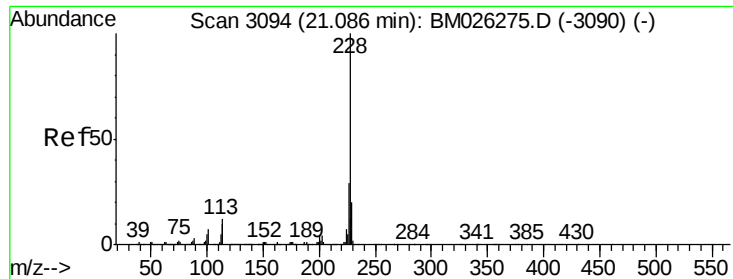


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.110 ng/mL

RT: 21.09 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Instrument :

BNA_M

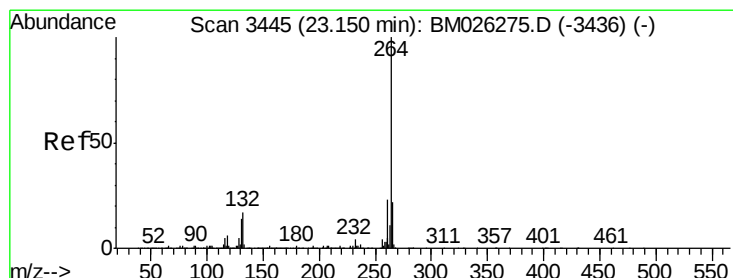
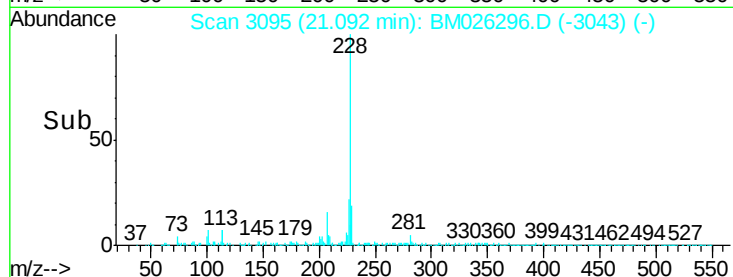
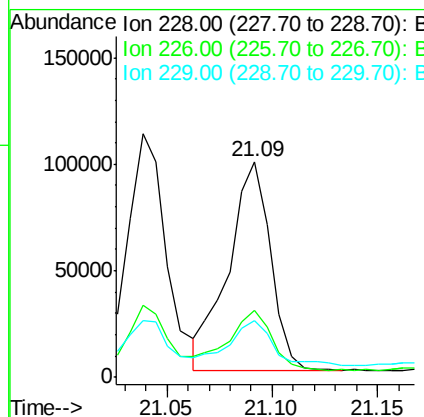
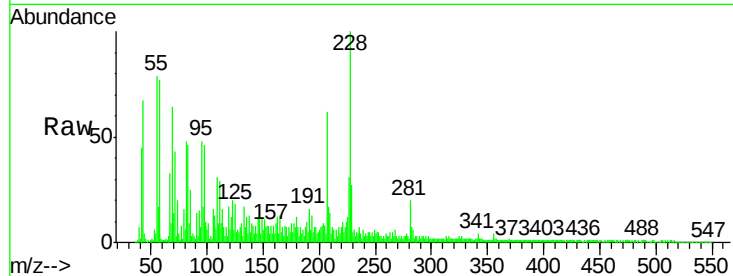
ClientSampleId :

72-11979-72-11969RE

Tot Ion:	228	Resp:	136935
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.5	35.3
229	26.6	15.8	23.6

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#86

Perylene-d12

Concen: 20.000 ng/mL

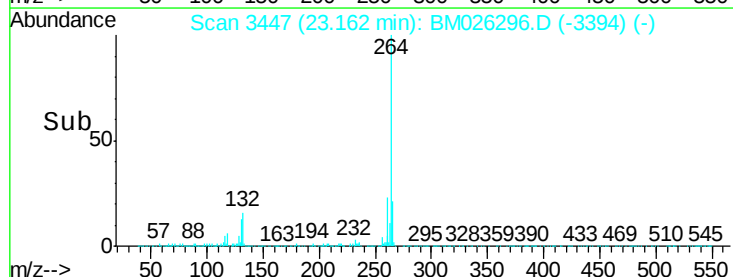
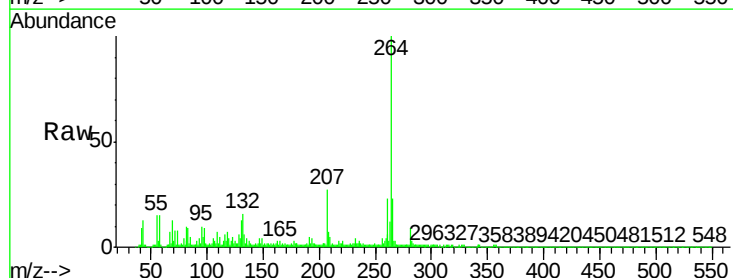
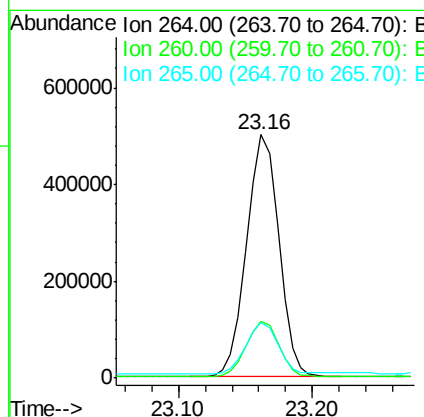
RT: 23.16 min Scan# 3447

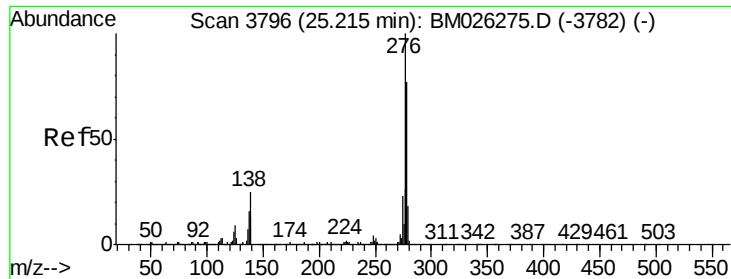
Delta R.T. 0.01 min

Lab File: BM026296.D

Acq: 08 Jun 2020 20:45

Tgt Ion:	264	Resp:	834726
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.6	28.0
265	23.0	18.2	27.2





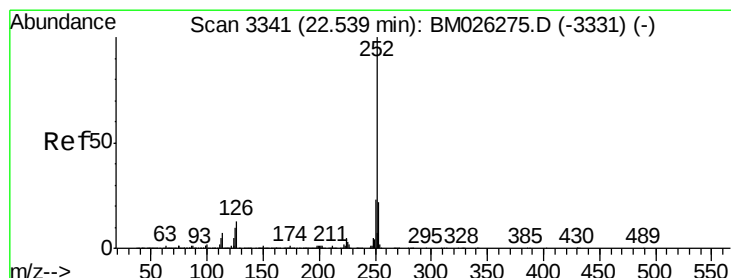
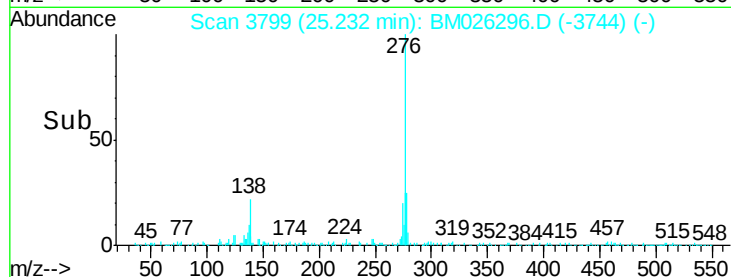
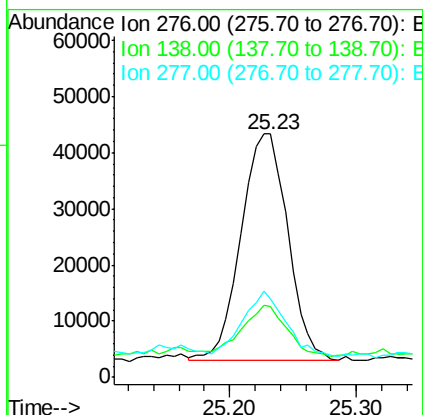
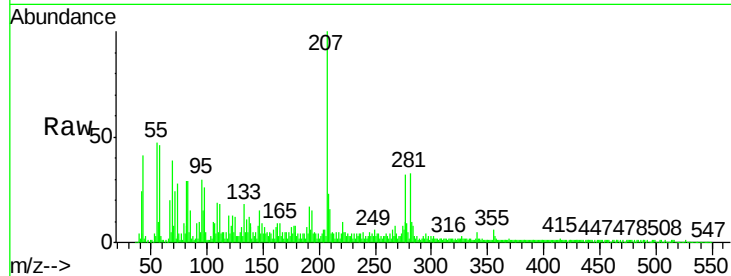
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.134 ng
 RT: 25.23 min Scan# 3799
 Delta R.T. 0.02 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Instrument :
 BNA_M
 ClientSampleId :
 72-11979-72-11969RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.8	19.8	29.8
277	27.1	20.2	30.2

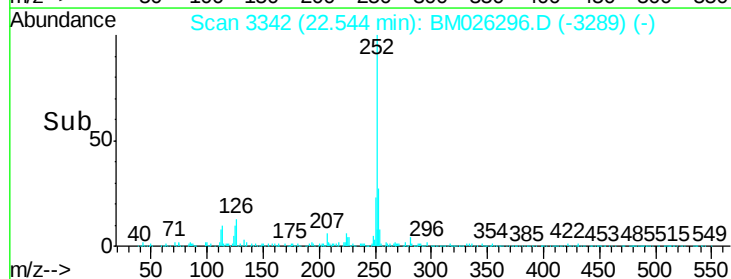
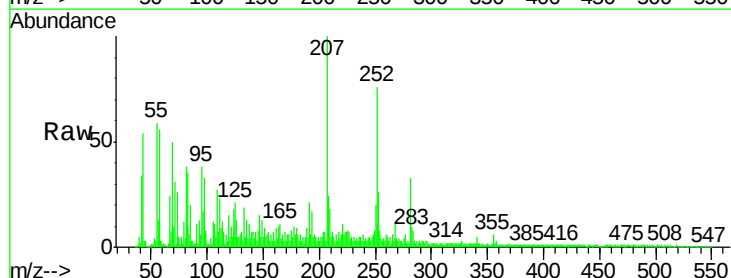
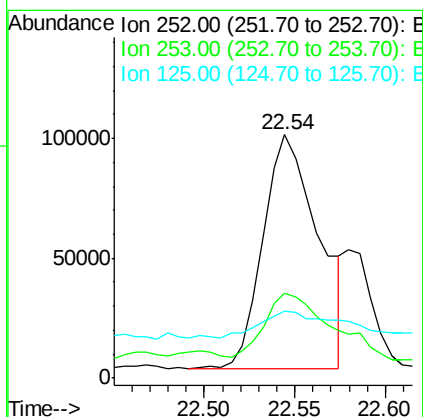
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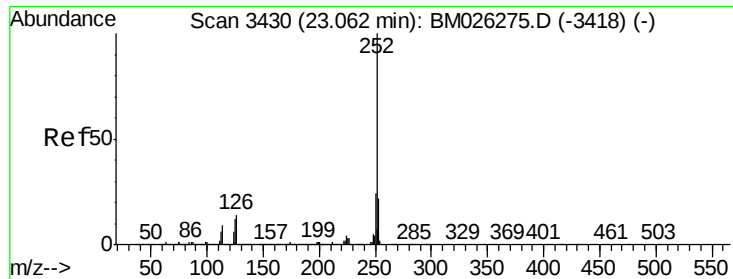
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#88
 Benzo(b)fluoranthene
 Concen: 4.141 ng m
 RT: 22.54 min Scan# 3342
 Delta R.T. 0.01 min
 Lab File: BM026296.D
 Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.9	17.6	26.4#
125	27.2	7.9	11.9#





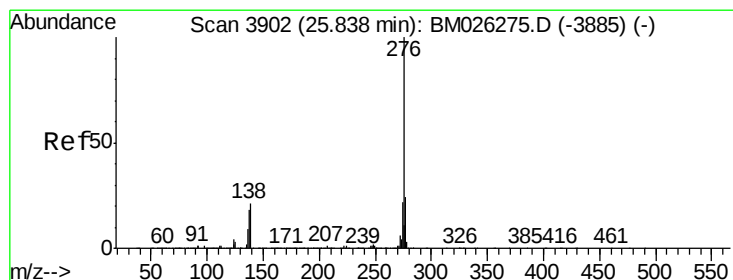
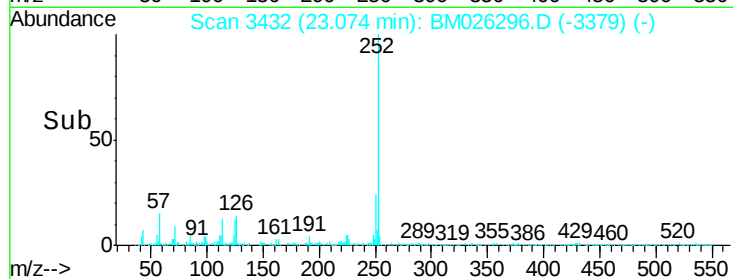
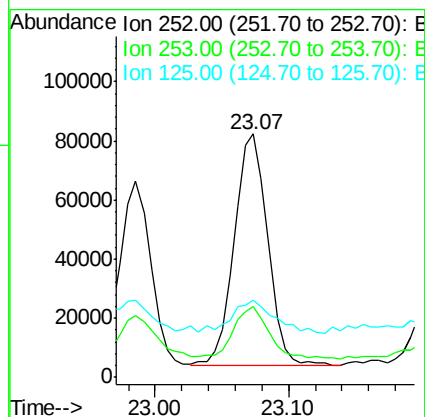
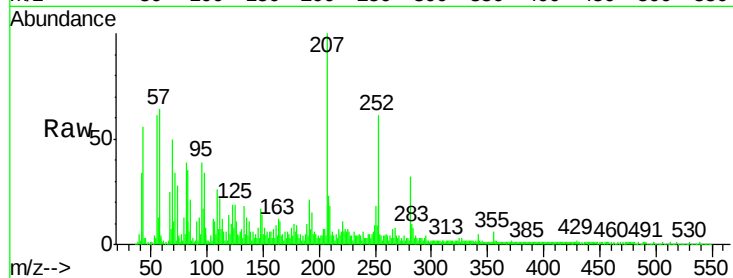
#90
Benzo(a)pyrene
Concen: 3.073 ng
RT: 23.07 min Scan# 3432
Delta R.T. 0.01 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Instrument :
BNA_M
ClientSampleId :
72-11979-72-11969RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.5	26.3#
125	31.7	9.4	14.0#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.867 ng
RT: 25.86 min Scan# 3905
Delta R.T. 0.02 min
Lab File: BM026296.D
Acq: 08 Jun 2020 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.9	19.3	28.9#
138	30.0	16.5	24.7#

