

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026299.D
 Acq On : 08 Jun 2020 22:34
 Operator : JU/CG
 Sample : L2815-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-060520

Manual Integrations
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Quant Time: Jun 09 02:28:15 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	239734	20.00	ng	0.01
21) Naphthalene-d8	10.21	136	962678	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	531465	20.00	ng	0.00
64) Phenanthrene-d10	16.85	188	917271	20.00	ng	0.00
76) Chrysene-d12	21.06	240	736221	20.00	ng	0.00
86) Perylene-d12	23.17	264	796631	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1465065	108.05	ng	0.01
7) Phenol-d6	6.66	99	2096416	106.77	ng	0.02
23) Nitrobenzene-d5	8.60	82	1391407	70.97	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	641937	99.71	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	2863713	81.79	ng	0.00
79) Terphenyl-d14	19.50	244	2937836	77.46	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.57	163	245584	6.318	ng	99
71) Phenanthrene	16.89	178	708717	14.837	ng	98
72) Anthracene	16.99	178	176038	3.693	ng	98
73) Carbazole	17.26	167	90953	2.012	ng	98
75) Fluoranthene	18.92	202	1196876	21.855	ng	99
78) Pyrene	19.29	202	1043291	21.447	ng	99
81) Benzo(a)anthracene	21.04	228	476591	10.785	ng	98
83) Chrysene	21.09	228	448331	10.646	ng	96
87) Indeno(1,2,3-cd)pyrene	25.23	276	309725	6.721	ng	95
88) Benzo(b)fluoranthene	22.55	252	591828	12.350	ng	# 91
89) Benzo(k)fluoranthene	22.59	252	198209m	4.257	ng	
90) Benzo(a)pyrene	23.07	252	447002	10.502	ng	# 92
92) Benzo(a,h,i)perylene	25.87	276	324493	8.864	ng	98

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

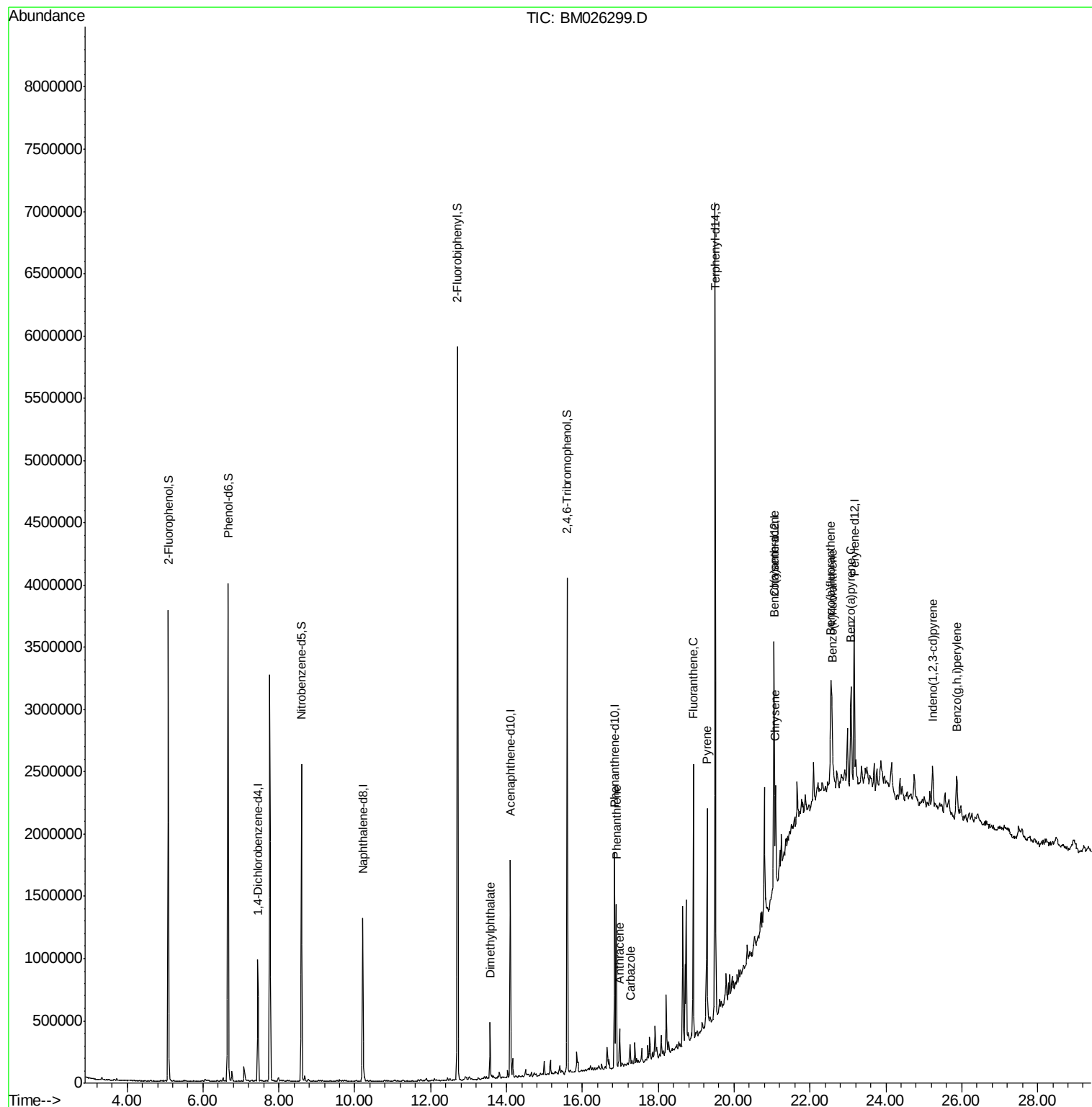
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
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ALS Vial : 17 Sample Multiplier: 1

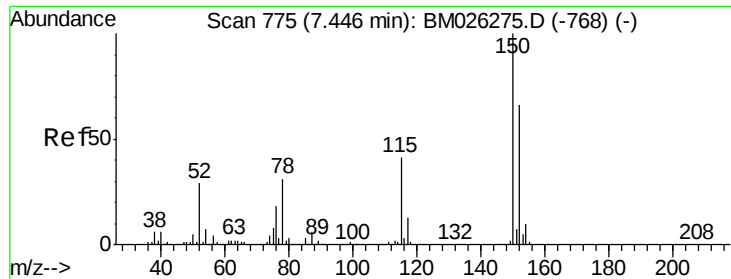
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

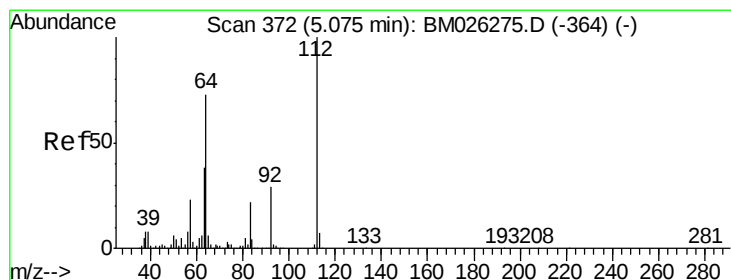
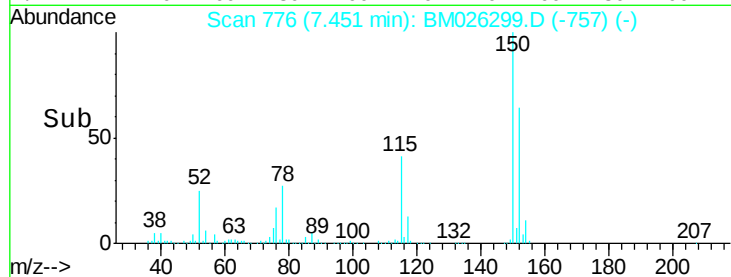
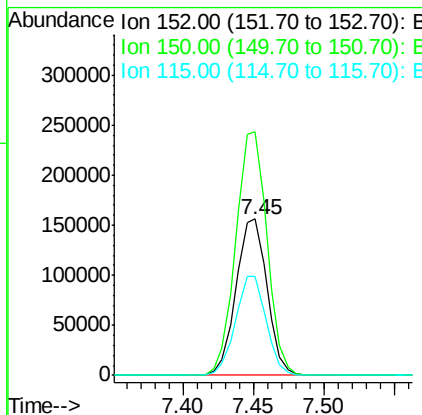
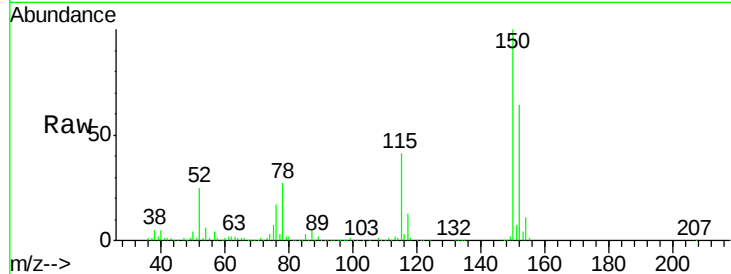
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 776
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.1	183.1
115	63.4	49.7	74.5

Manual Integrations
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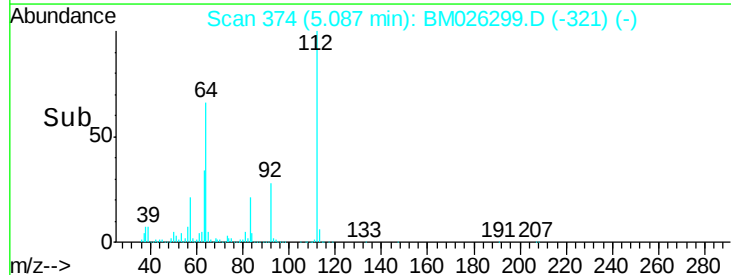
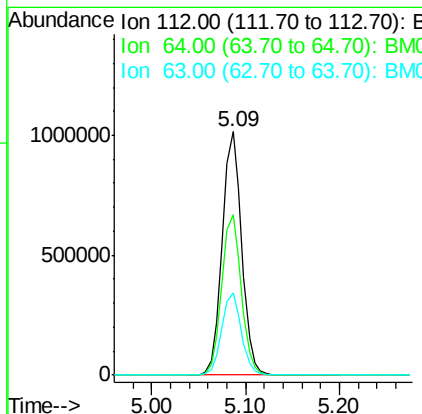
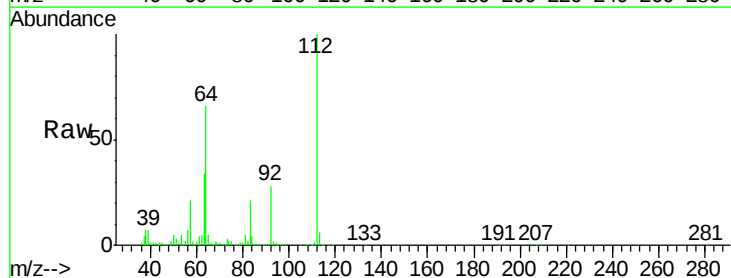
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#5

2-Fluorophenol
Concen: 108.048 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	58.1	87.1
63	34.1	30.6	45.8





#7

Phenol-d6

Concen: 106.771 ng

RT: 6.66 min Scan# 642

Delta R.T. 0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

Tot Ion: 99 Resp: 2096416

Ion Ratio Lower Upper

99 100

42 19.5 18.0 27.0

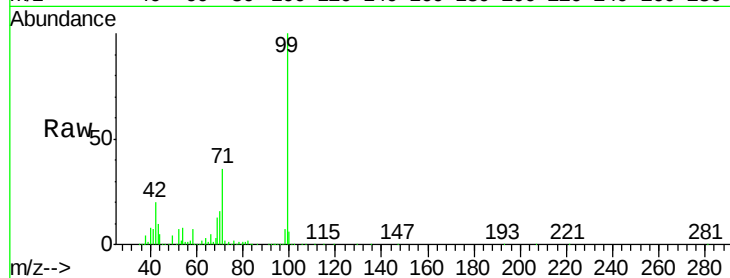
71 36.5 30.6 45.8

Manual Integrations

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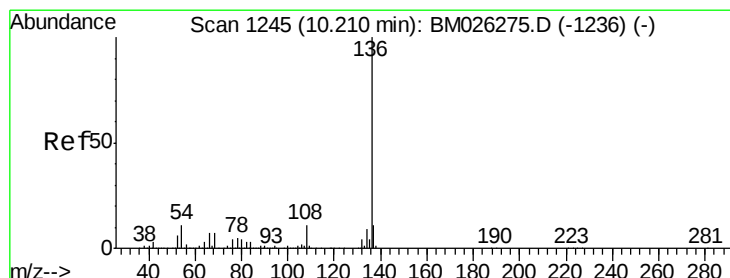
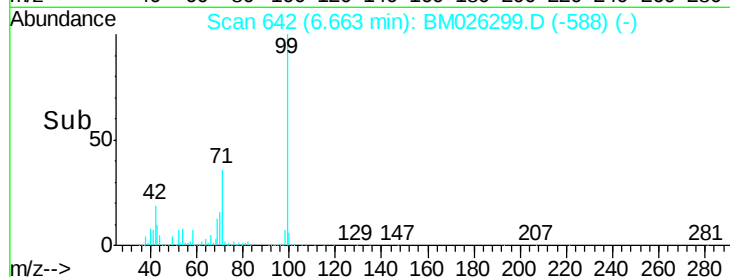
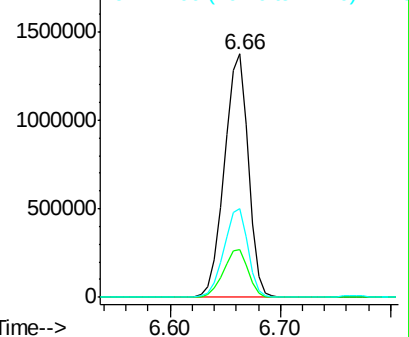
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Abundance Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.21 min Scan# 1245

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Tgt Ion: 136 Resp: 962678

Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 10.2 9.0 13.4

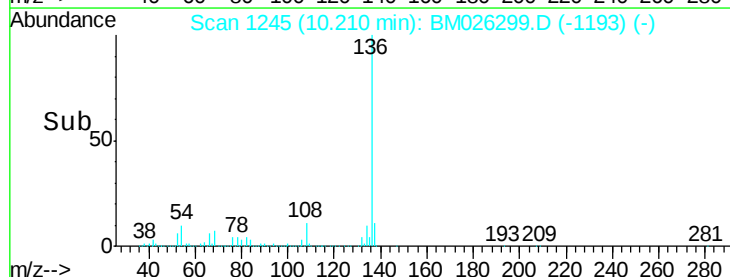
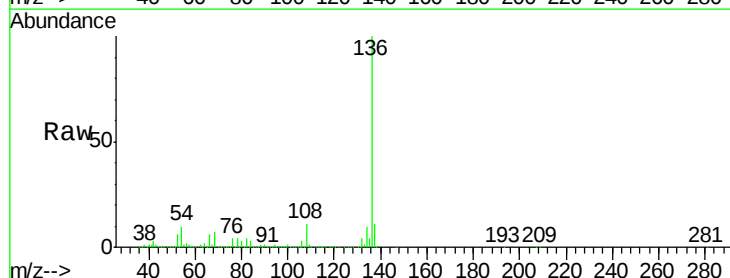
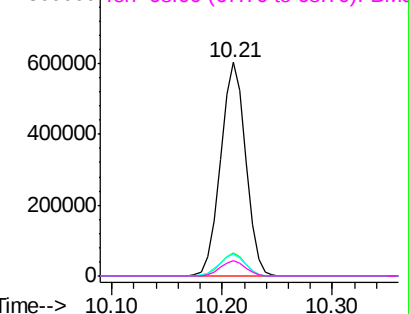
68 7.2 5.6 8.4

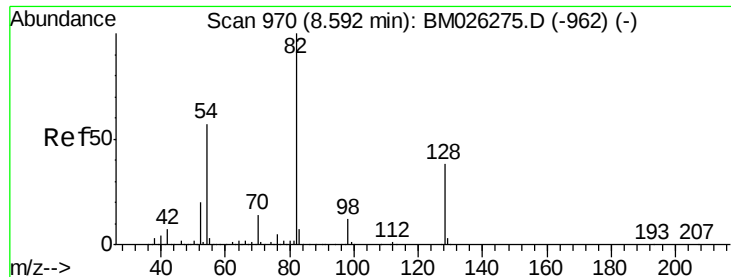
Abundance Ion 136.00 (135.70 to 136.70): BM026275.D (-1236) (-)

Ion 137.00 (136.70 to 137.70): BM026275.D (-1236) (-)

Ion 54.00 (53.70 to 54.70): BM026275.D (-1236) (-)

Ion 68.00 (67.70 to 68.70): BM026275.D (-1236) (-)





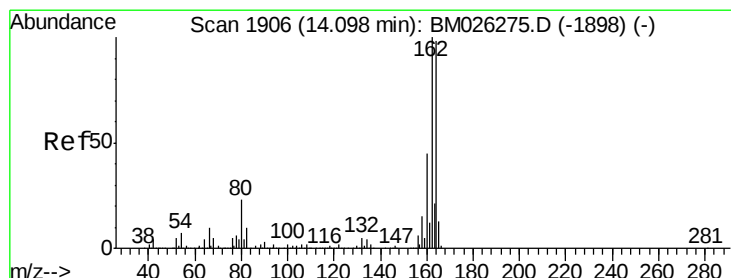
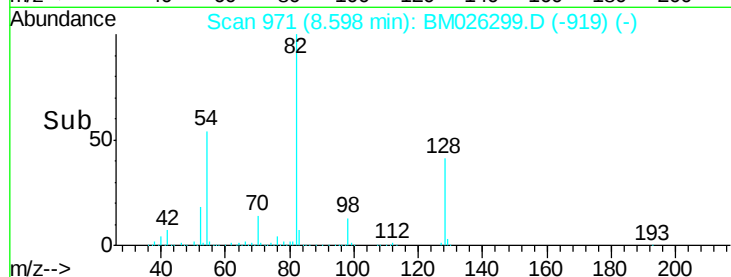
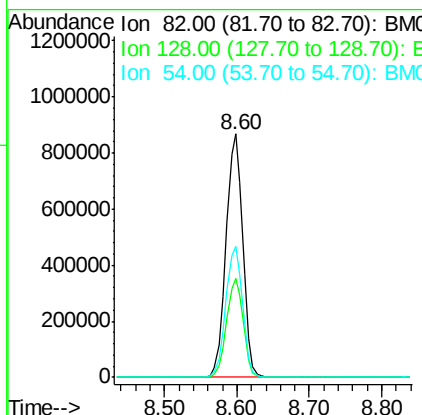
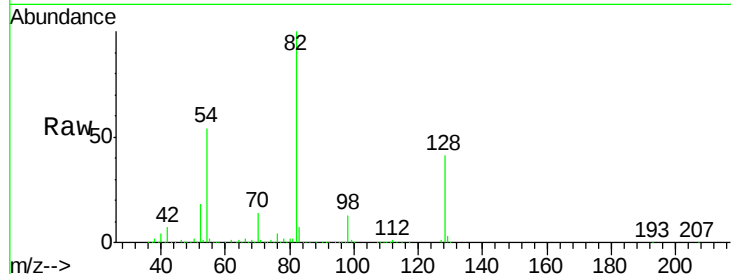
#23
Nitrobenzene-d5
Concen: 70.966 ng
RT: 8.60 min Scan# 971
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.6	30.3	45.5
54	53.8	45.4	68.2

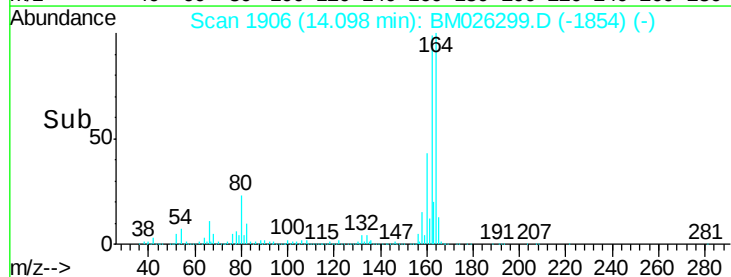
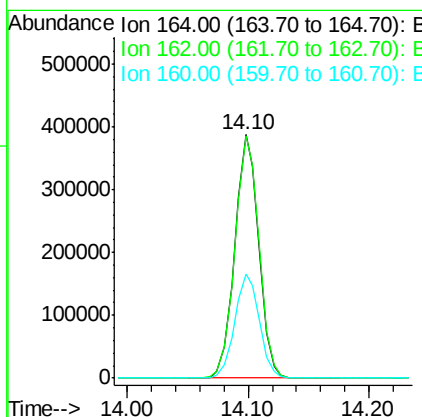
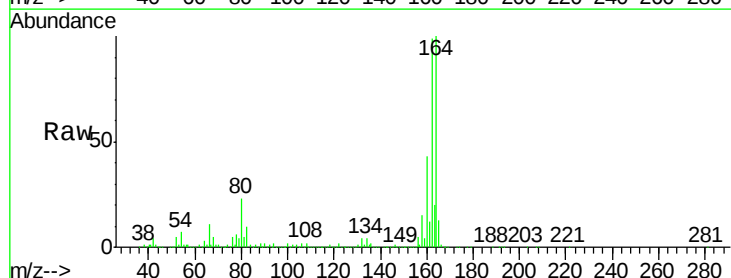
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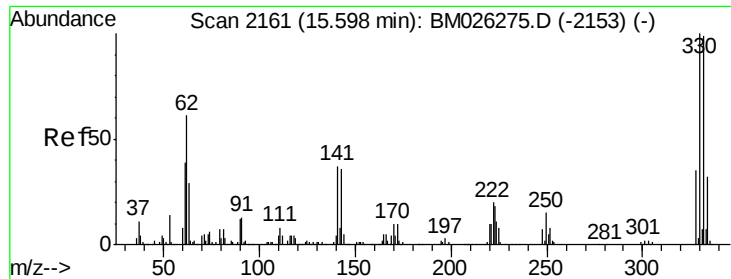
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.10 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.4	122.2
160	42.8	36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 99.712 ng

RT: 15.60 min Scan# 2162

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

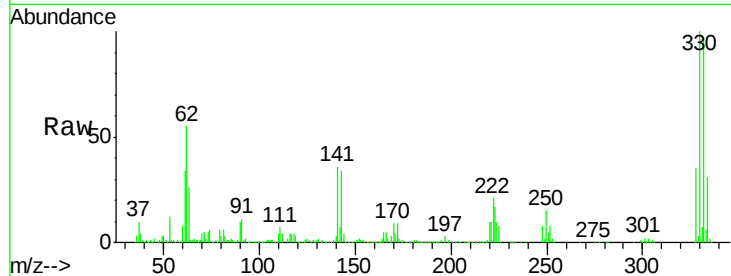
ClientSampleId :

OR-02-060520

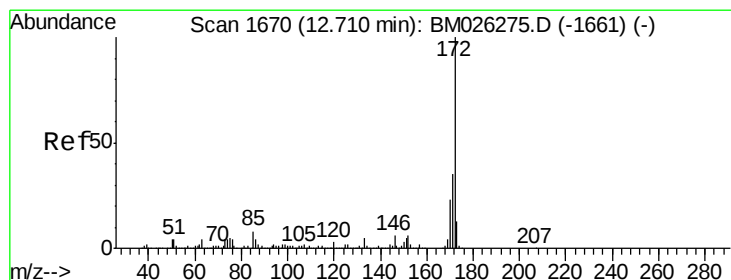
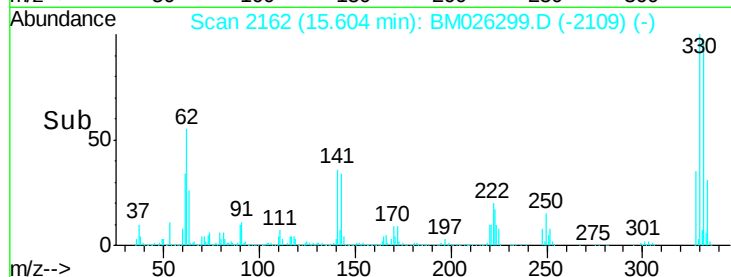
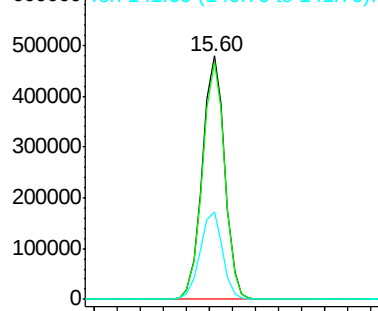
Tot Ion:	330	Resp:	641937
Ion Ratio	Lower	Upper	
330	100		
332	96.8	78.1	117.1
141	36.1	30.0	45.0

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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: 81.793 ng

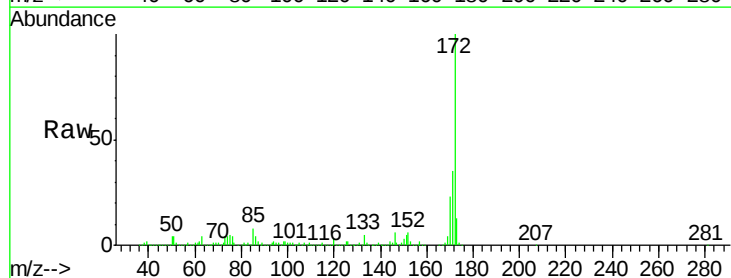
RT: 12.71 min Scan# 1670

Delta R.T. 0.01 min

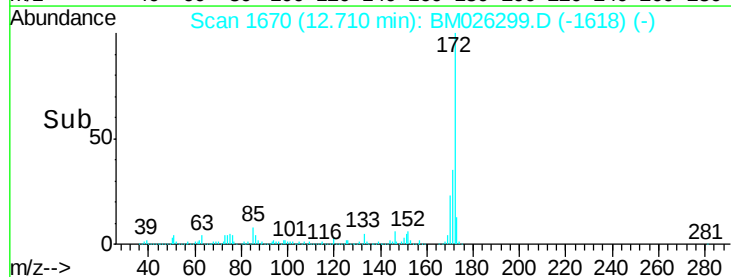
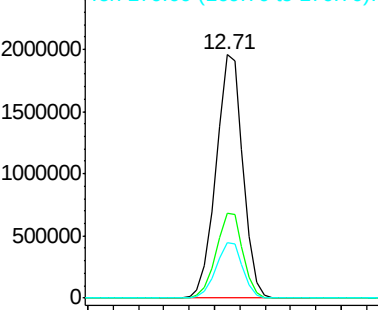
Lab File: BM026299.D

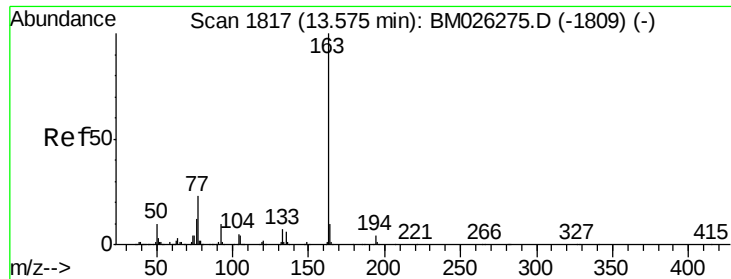
Acq: 08 Jun 2020 22:34

Tgt Ion:	172	Resp:	2863713
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.2	42.2
170	22.8	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





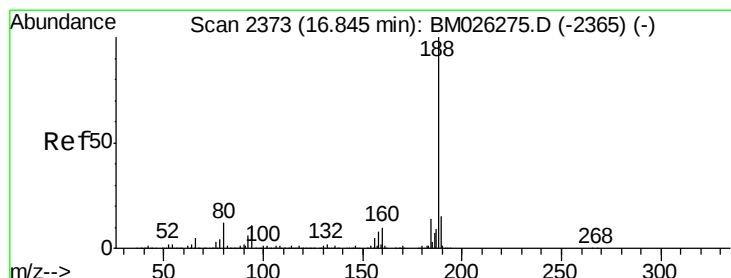
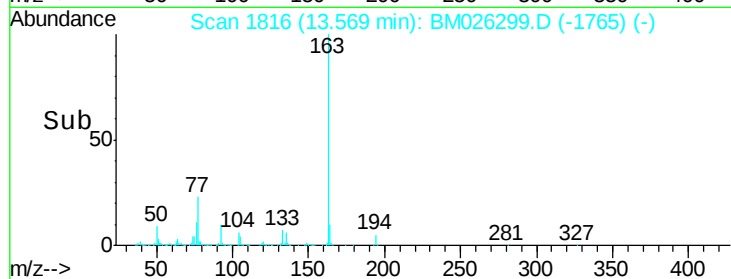
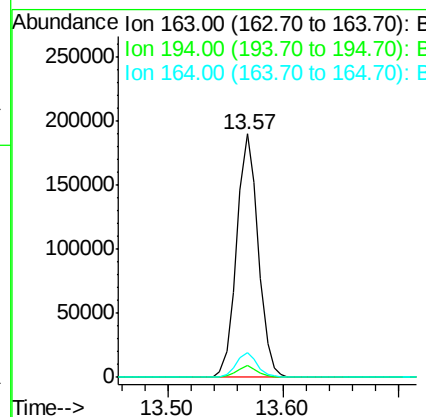
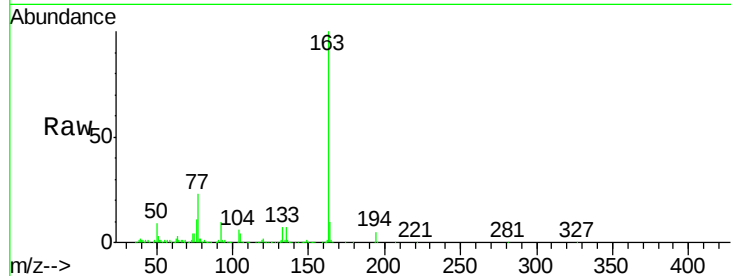
#50
Dimethylphthalate
Concen: 6.318 ng
RT: 13.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Resp	Lower	Upper
163	100	245584		
194	4.8		3.4	5.2
164	10.4		8.0	12.0

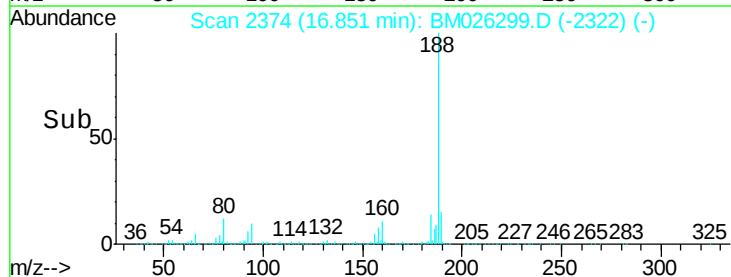
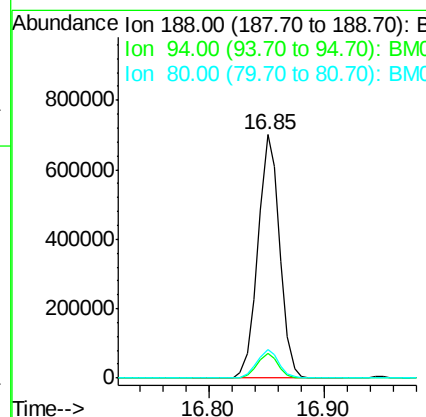
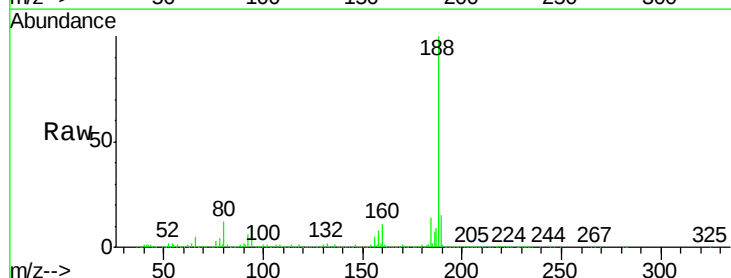
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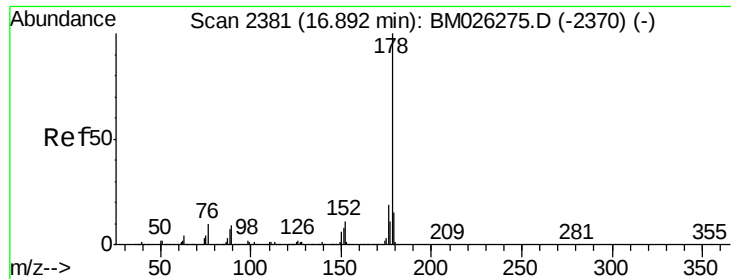
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	917271		
94	10.2		8.6	12.8
80	11.8		9.7	14.5





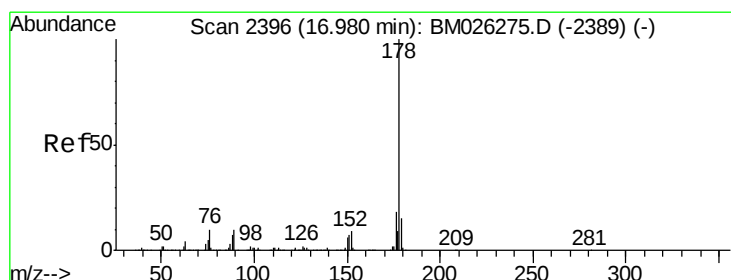
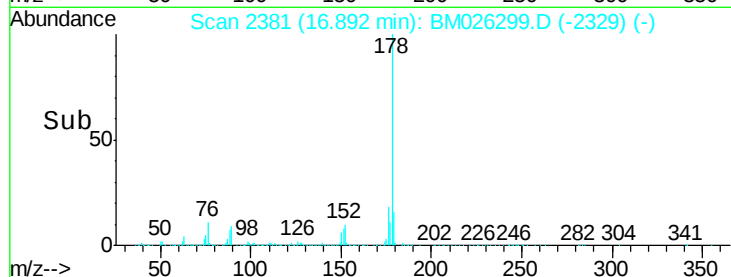
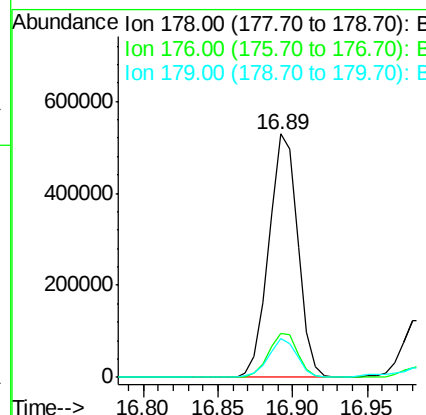
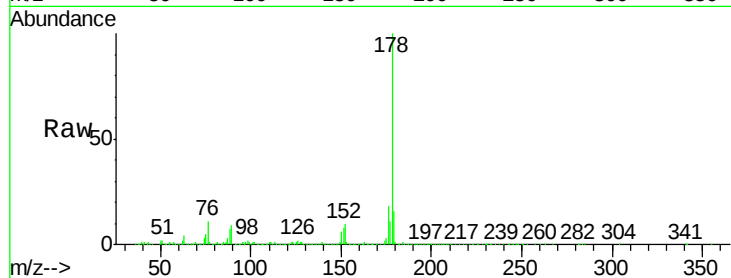
#71
Phenanthrene
Concen: 14.837 ng
RT: 16.89 min Scan# 2381
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	16.0	12.0	18.0

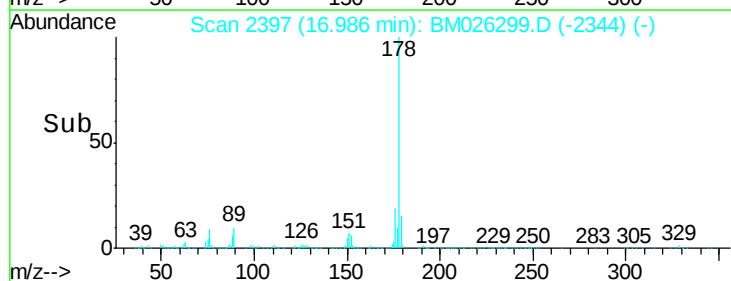
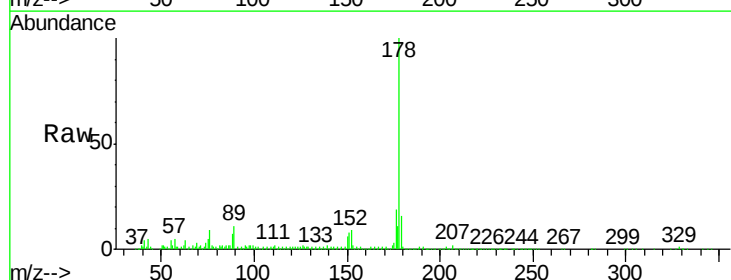
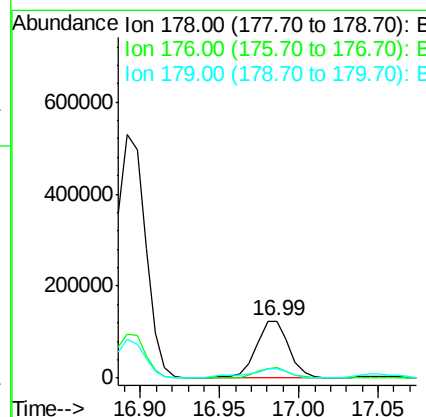
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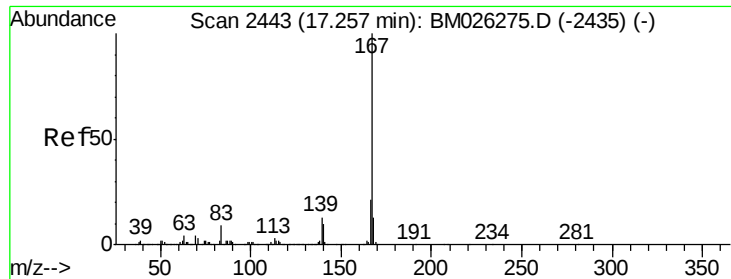
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#72
Anthracene
Concen: 3.693 ng
RT: 16.99 min Scan# 2397
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.4	21.6
179	15.7	12.2	18.4





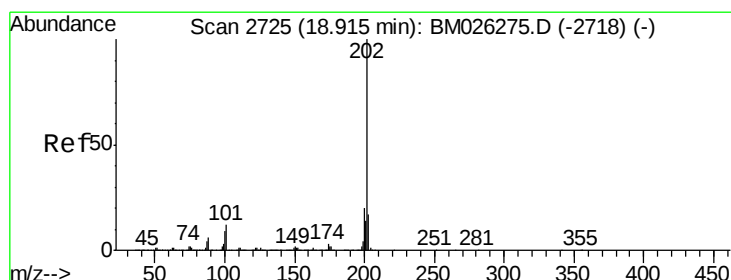
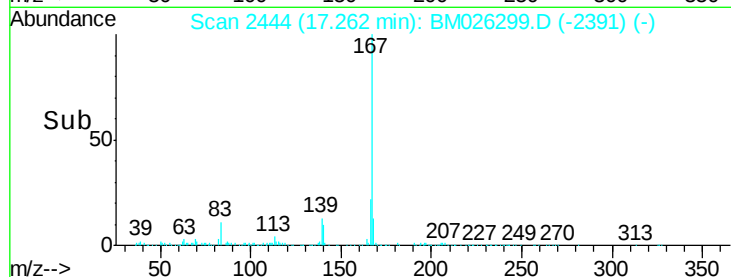
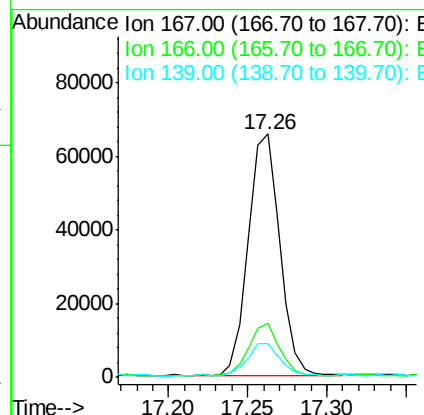
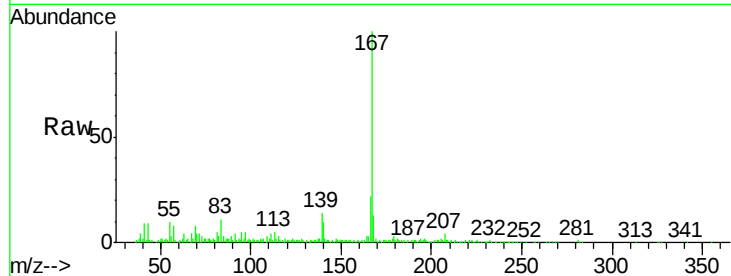
#73
 Carbazole
 Concen: 2.012 ng
 RT: 17.26 min Scan# 2444
 Delta R.T. 0.01 min
 Lab File: BM026299.D
 Acq: 08 Jun 2020 22:34

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-060520

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	16.8	25.2
139	13.8	10.6	15.8

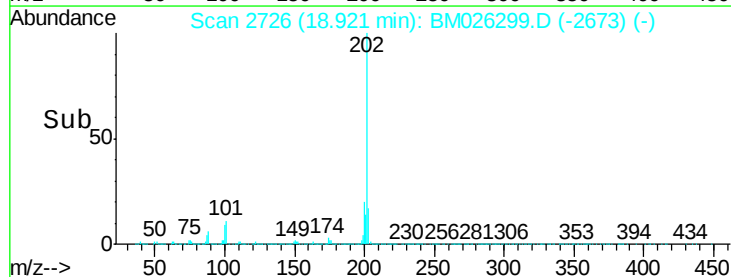
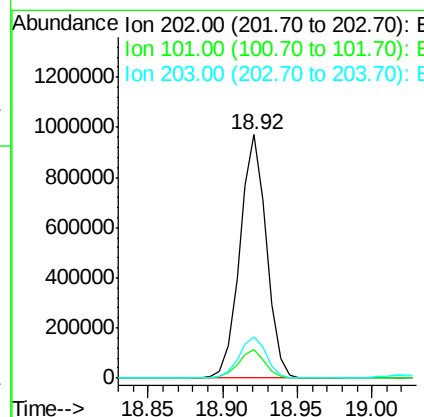
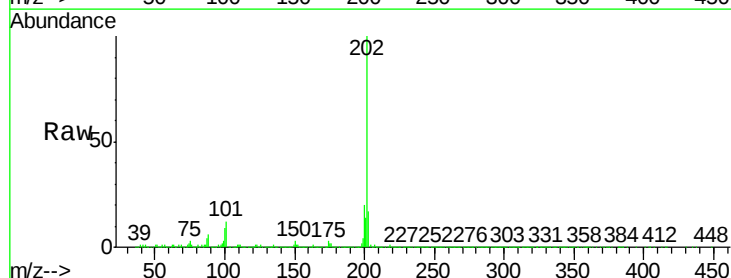
Manual Integrations
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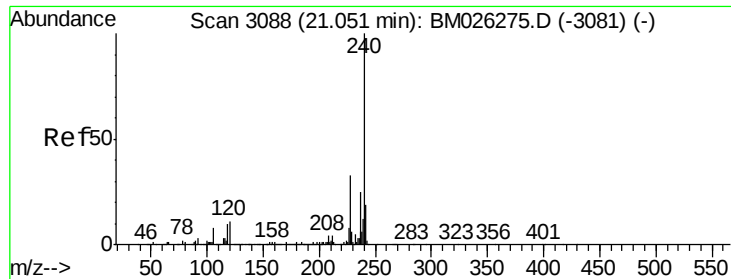
mohammad
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#75
 Fluoranthene
 Concen: 21.855 ng
 RT: 18.92 min Scan# 2726
 Delta R.T. 0.01 min
 Lab File: BM026299.D
 Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.6
203	17.1	0.0	37.4





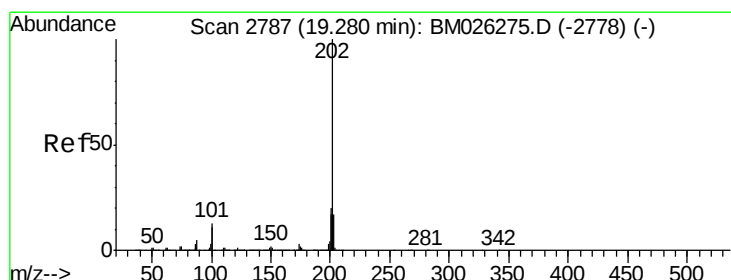
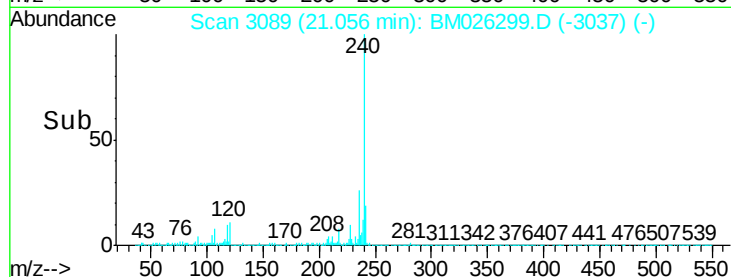
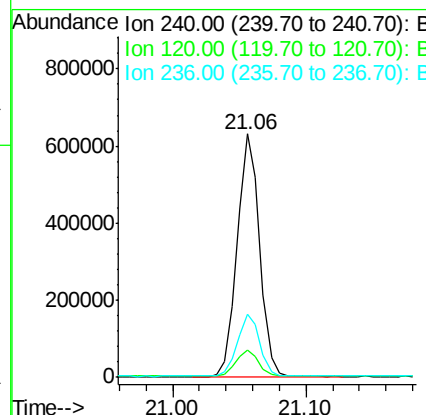
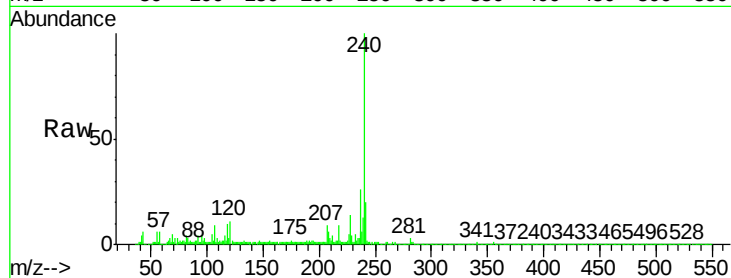
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.06 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.9	13.3
236	25.9	19.7	29.5

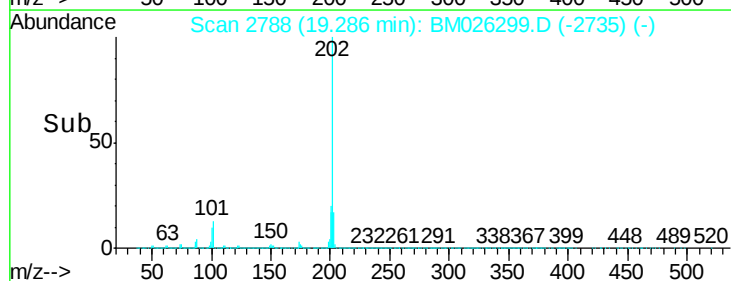
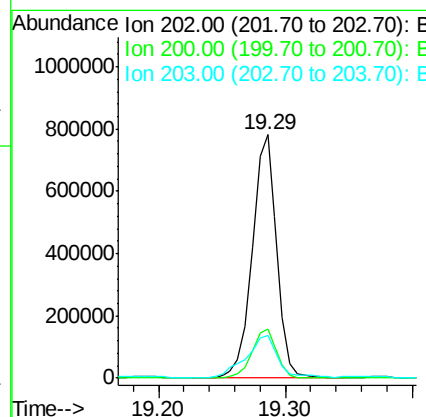
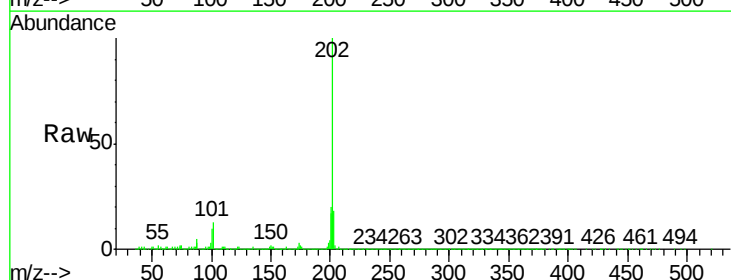
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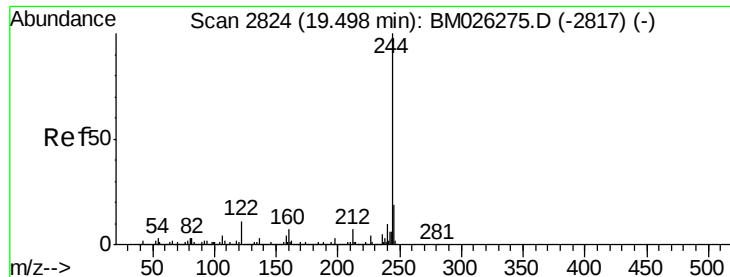
mohammad
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#78
Pyrene
Concen: 21.447 ng
RT: 19.29 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	17.6	13.8	20.8





#79

Terphenyl-d14

Concen: 77.461 ng

RT: 19.50 min Scan# 2825

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

Tot Ion:244 Resp: 2937836

Ion Ratio Lower Upper

244 100

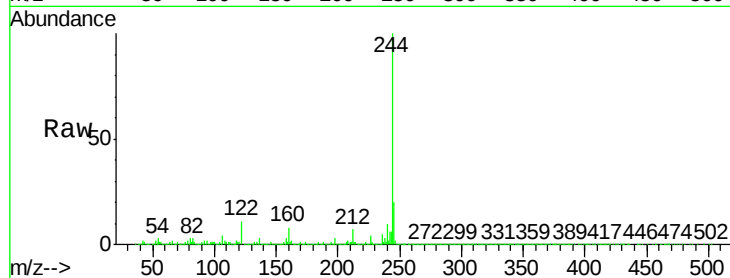
212 7.3 5.7 8.5

122 11.1 9.1 13.7

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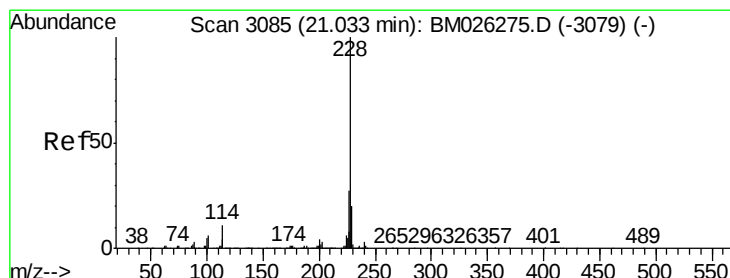
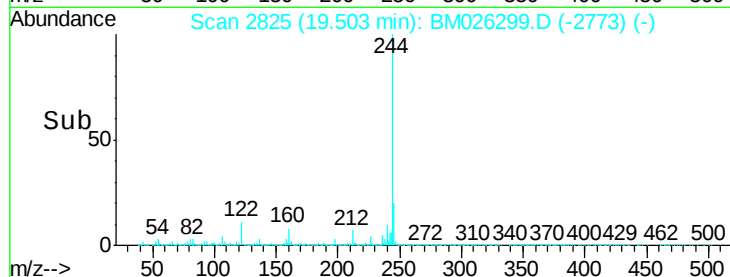
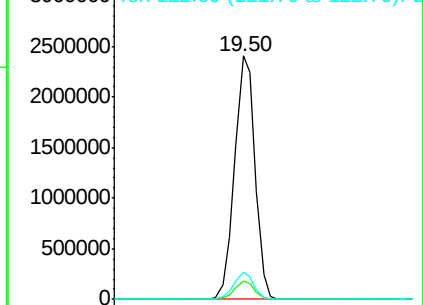
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 10.785 ng

RT: 21.04 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

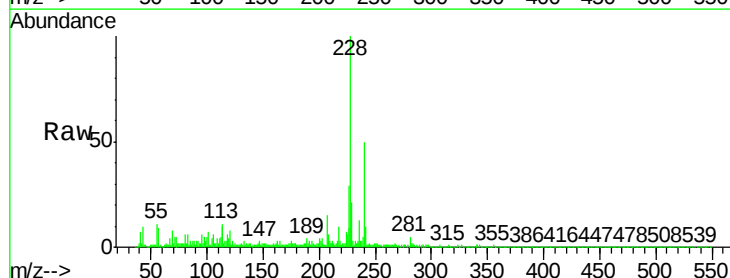
Tgt Ion:228 Resp: 476591

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

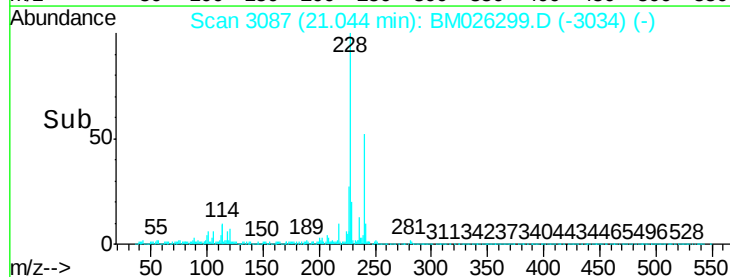
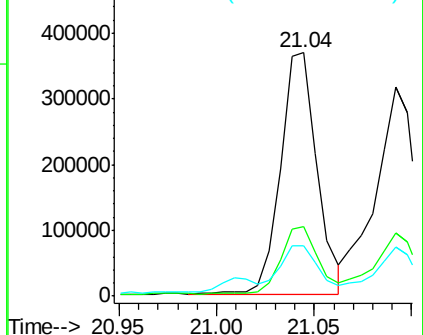
229 20.5 15.9 23.9

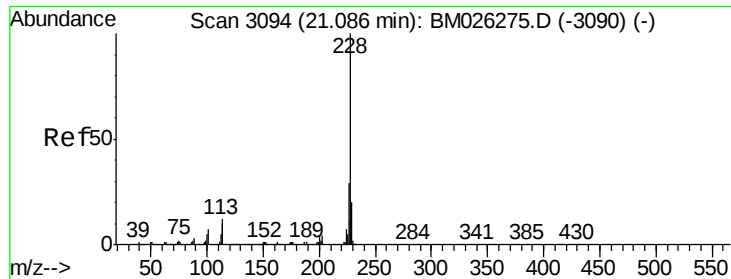


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.646 ng

RT: 21.09 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

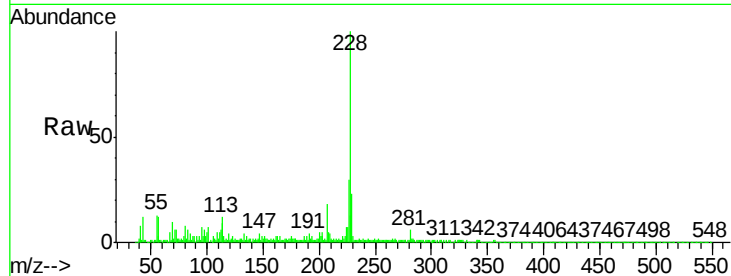
ClientSampleId :

OR-02-060520

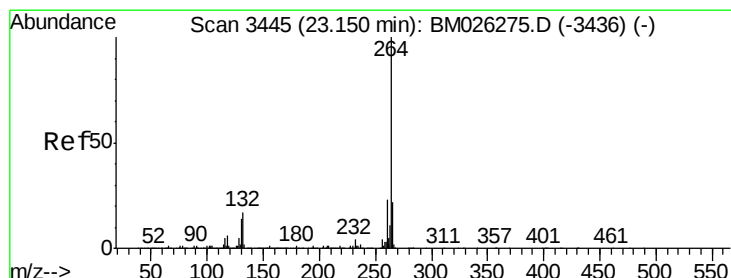
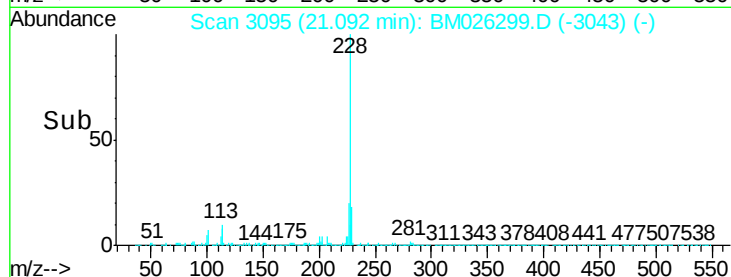
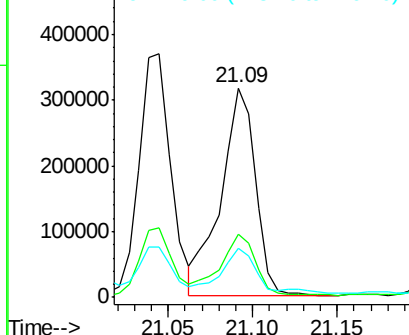
Tot Ion:	228	Resp:	448331
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.5	35.3
229	23.3	15.8	23.6

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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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.17 min Scan# 3448

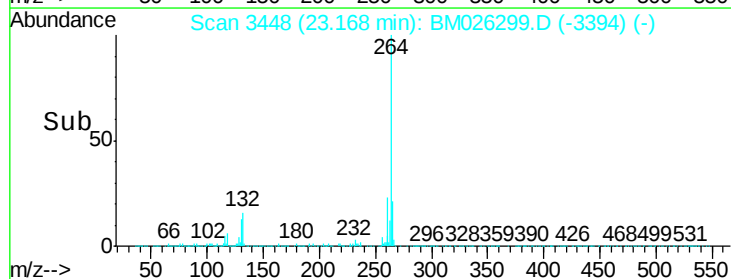
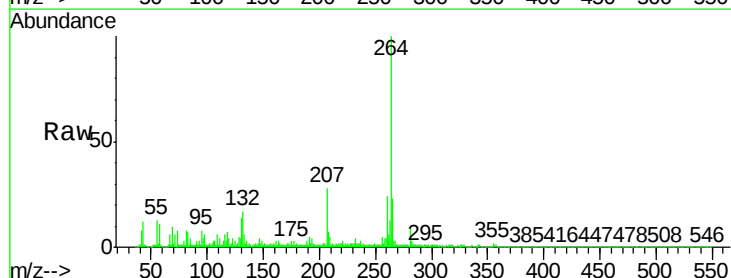
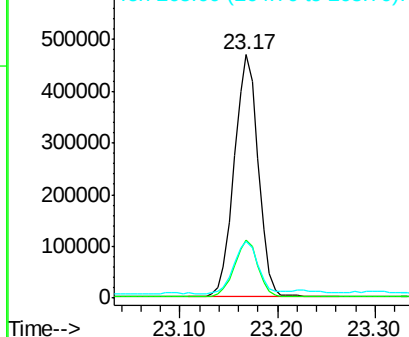
Delta R.T. 0.02 min

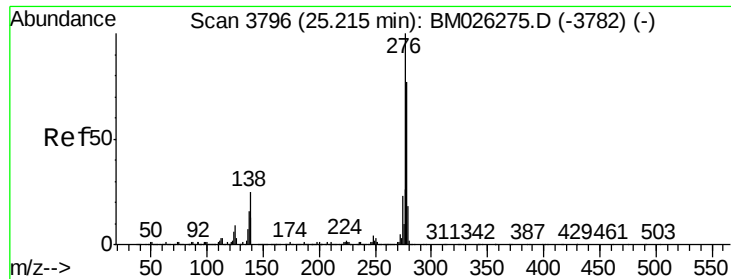
Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Tgt Ion:	264	Resp:	796631
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	23.2	18.2	27.2

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





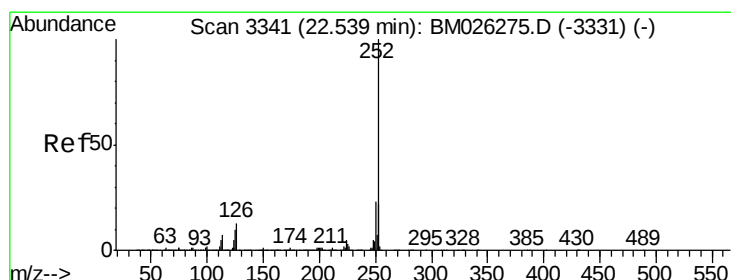
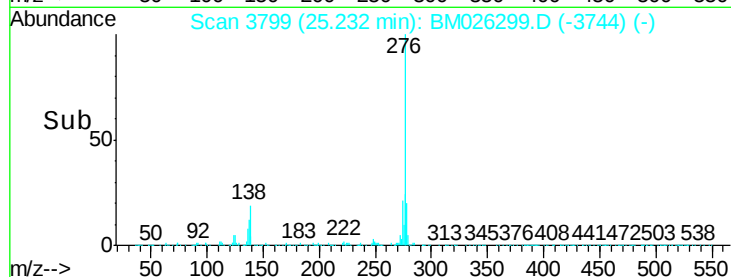
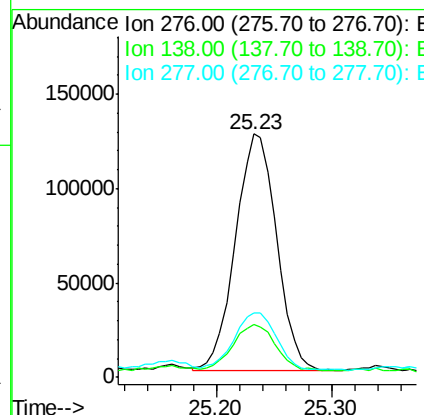
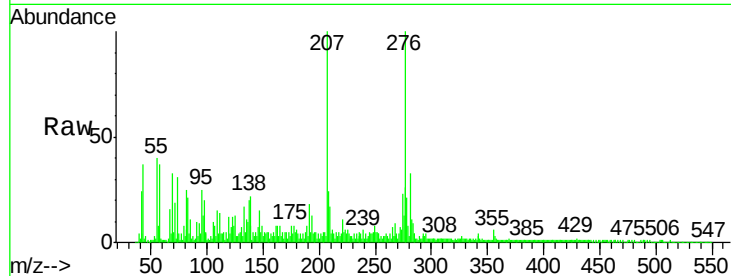
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.721 ng
RT: 25.23 min Scan# 3799
Delta R.T. 0.02 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Resp	Lower	Upper
276	100	309725		
138	20.2		19.8	29.8
277	24.8		20.2	30.2

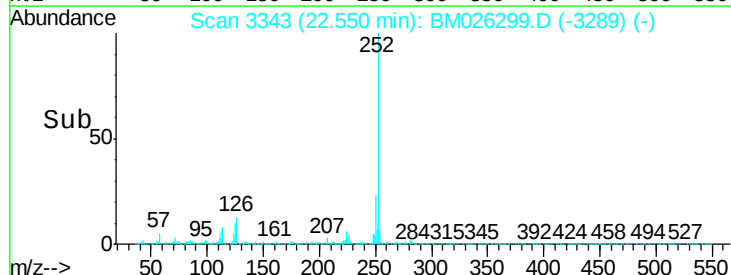
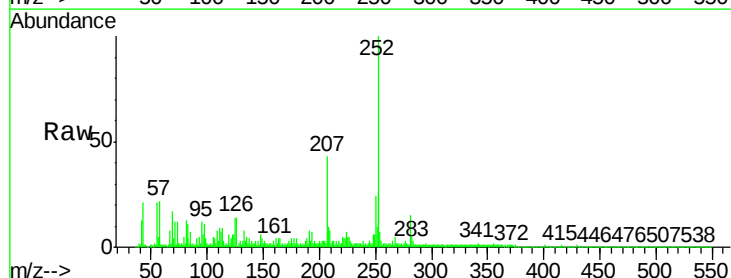
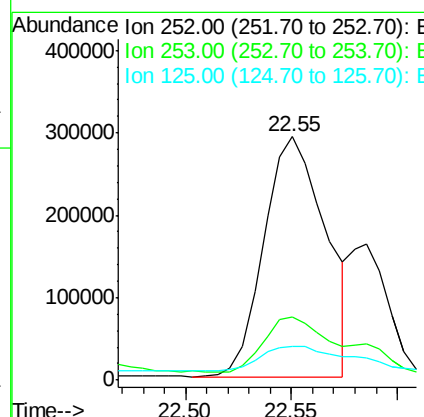
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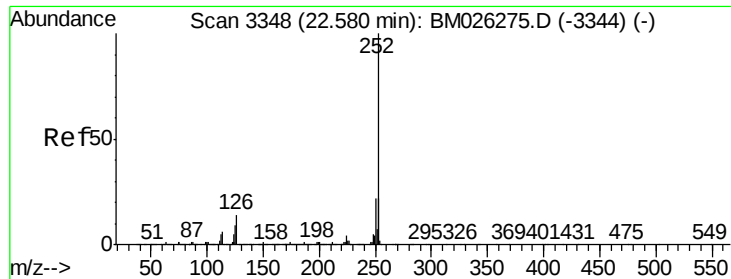
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#88
Benzo(b)fluoranthene
Concen: 12.350 ng
RT: 22.55 min Scan# 3343
Delta R.T. 0.02 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	591828		
253	26.1		17.6	26.4
125	13.7		7.9	11.9





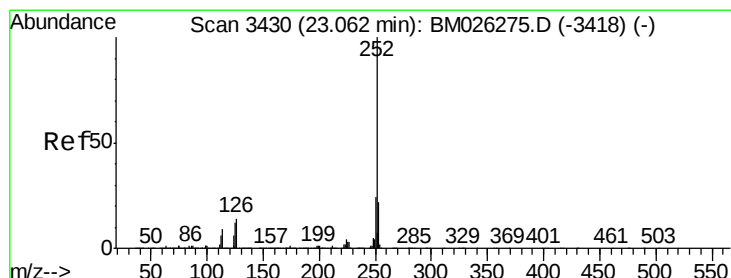
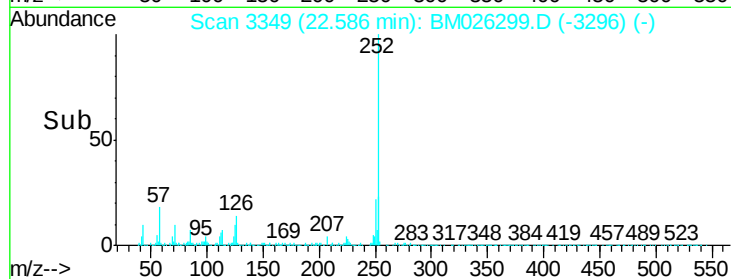
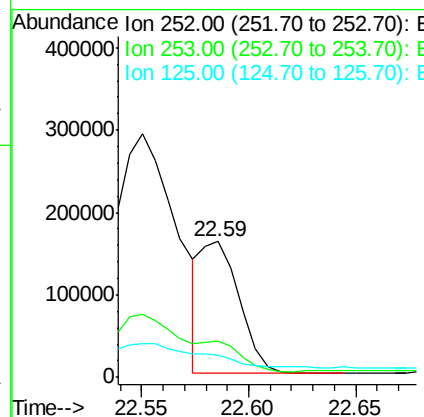
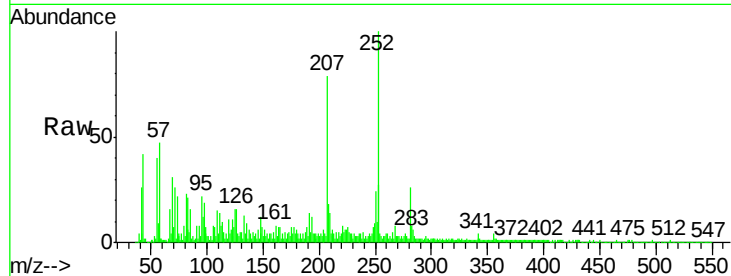
#89
Benzo(k)fluoranthene
Concen: 4.257 ng m
RT: 22.59 min Scan# 3349
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.3	25.9#
125	16.4	7.8	11.6#

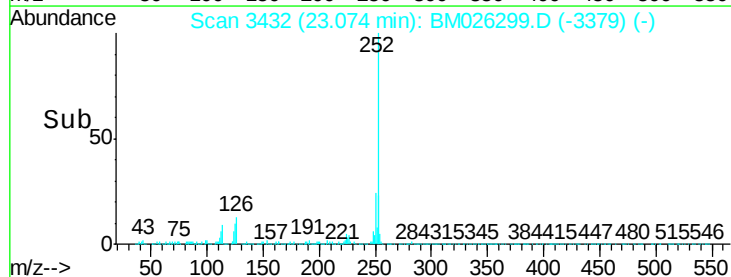
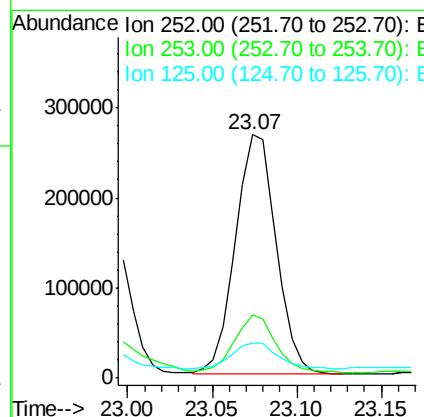
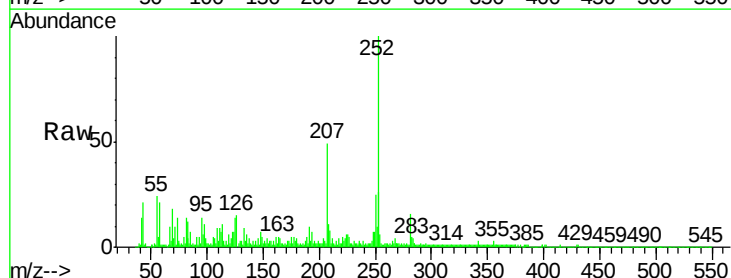
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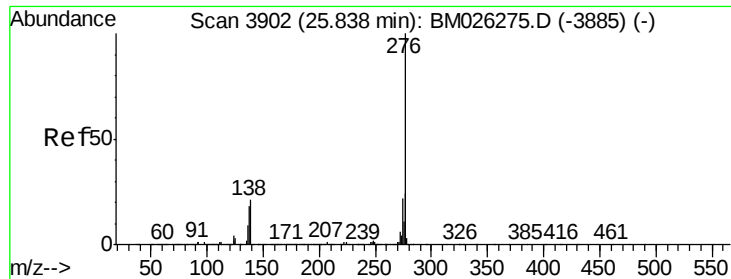
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#90
Benzo(a)pyrene
Concen: 10.502 ng
RT: 23.07 min Scan# 3432
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	14.4	9.4	14.0#





#92
 Benzo(a,h,i)perylene
 Concen: 8.864 ng
 RT: 25.87 min Scan# 3907
 Delta R.T. 0.04 min
 Lab File: BM026299.D
 Acq: 08 Jun 2020 22:34

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-060520

Tot Ion:	276	Resp:	324493
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.3	28.9
138	21.1	16.5	24.7

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