

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024703.D
 Acq On : 03 Feb 2020 17:36
 Operator : CG/JU
 Sample : L1351-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TAL-2

Manual Integrations
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Quant Time: Feb 04 03:55:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	252069	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	946399	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	622647	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1304934	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1268436	20.00	ng	-0.01
87) Perylene-d12	23.16	264	1512295	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1317320	99.39	ng	-0.01
7) Phenol-d6	6.63	99	1646709	90.19	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1050153	54.42	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	953992	94.19	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	2348003	51.27	ng	-0.02
79) Terphenyl-d14	19.49	244	3657049	53.82	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.54	163	105408	2.094	ng	Qvalue 98
52) Acenaphthene	14.14	154	93136	2.636	ng	99
71) Phenanthrene	16.87	178	1505002	21.298	ng	99
72) Anthracene	16.96	178	404913	5.856	ng	98
73) Carbazole	17.23	167	200280	3.182	ng	99
74) Di-n-butylphthalate	17.83	149	848810	10.548	ng	100
75) Fluoranthene	18.90	202	2984263	33.837	ng	99
78) Pyrene	19.26	202	2483996	29.706	ng	99
80) Butylbenzylphthalate	20.22	149	17335380	494.054	ng	# 85
81) Benzo(a)anthracene	21.03	228	1491410	16.941	ng	99
83) Chrysene	21.08	228	1370011	16.309	ng	97
86) Indeno(1,2,3-cd)pyrene	25.22	276	888374	9.703	ng	97
88) Benzo(b)fluoranthene	22.54	252	1893319m	19.303	ng	
89) Benzo(k)fluoranthene	22.57	252	669747m	6.996	ng	
90) Benzo(a)pyrene	23.06	252	1285938	14.420	ng	# 95
91) Dibenzo(a,h)anthracene	25.22	278	231491	2.735	ng	# 88
92) Benzo(a,h,i)perylene	25.84	276	846552	11.015	ng	98

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

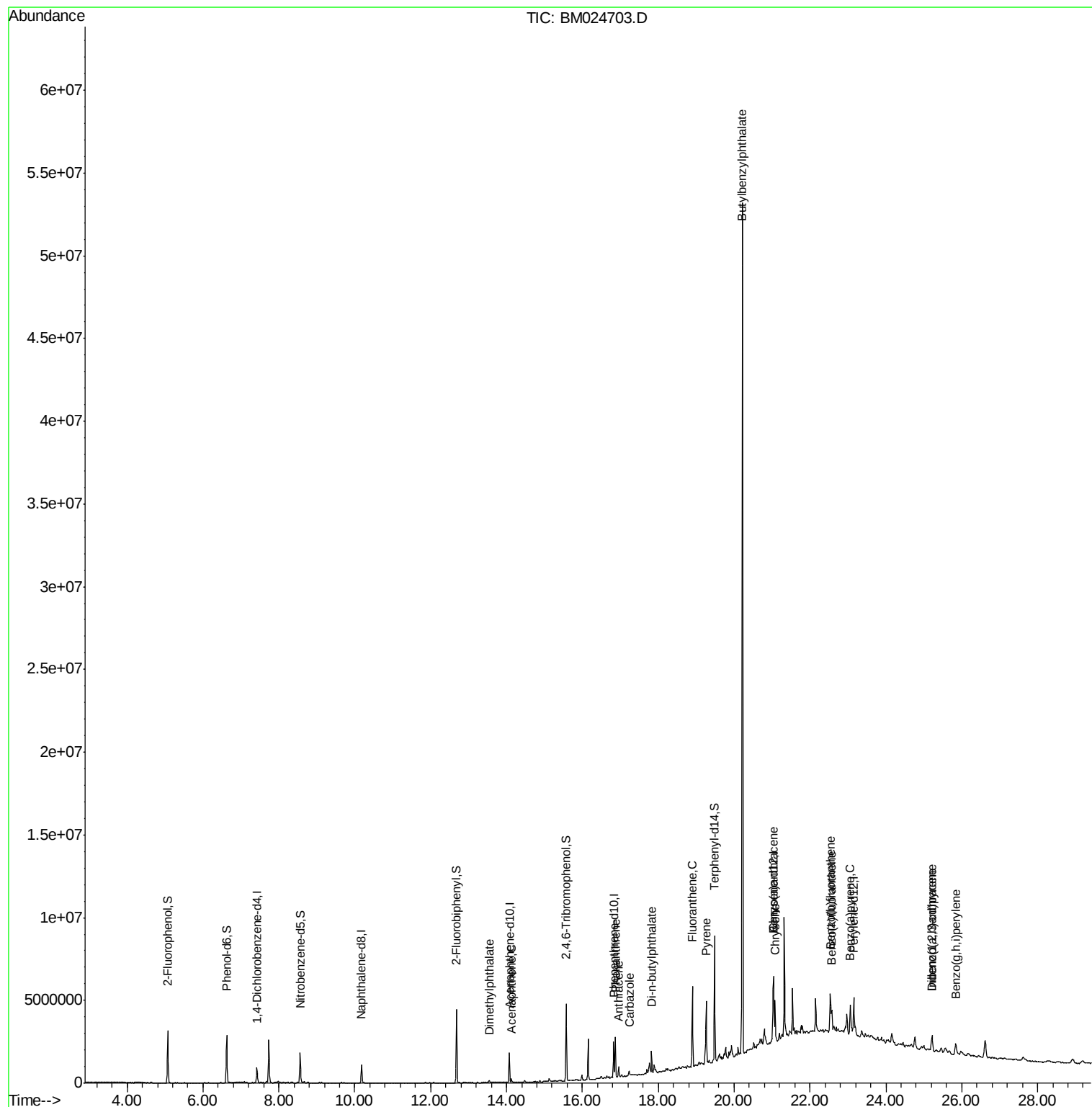
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024703.D
Acq On : 03 Feb 2020 17:36
Operator : CG/JU
Sample : L1351-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

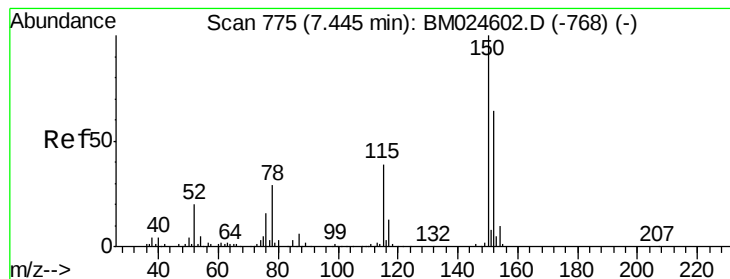
Instrument :
BNA_M
ClientSampleId :
TAL-2

Quant Time: Feb 04 03:55:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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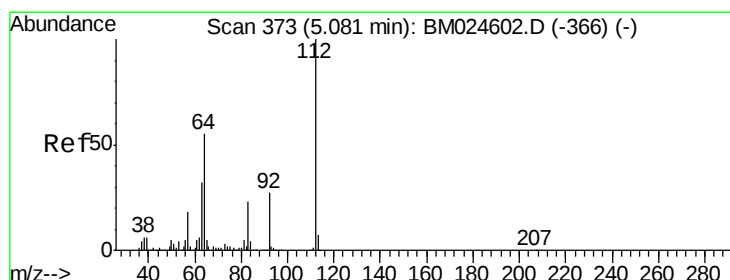
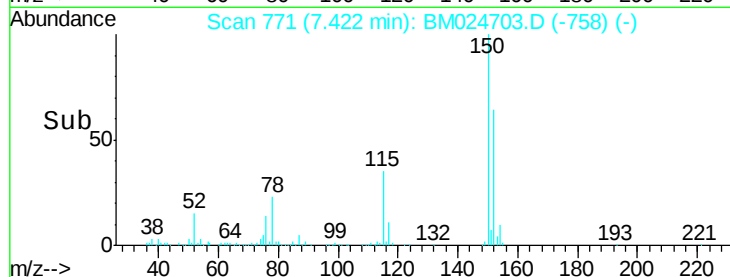
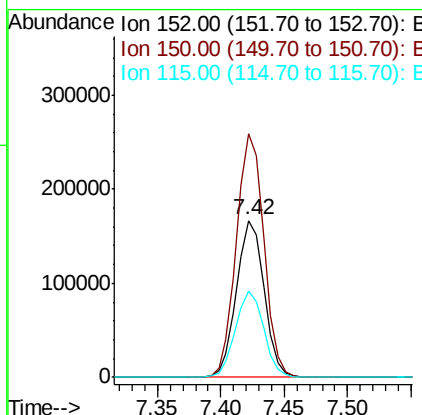
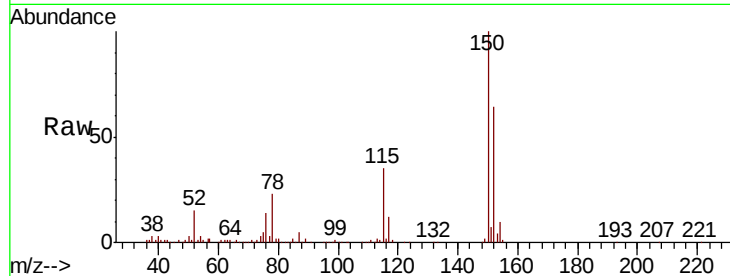
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.42 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Instrument :
 BNA_M
 ClientSampleId :
 TAL-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.2	186.4
115	55.0	48.6	72.8

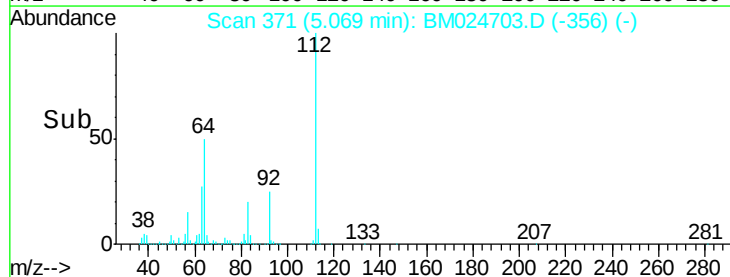
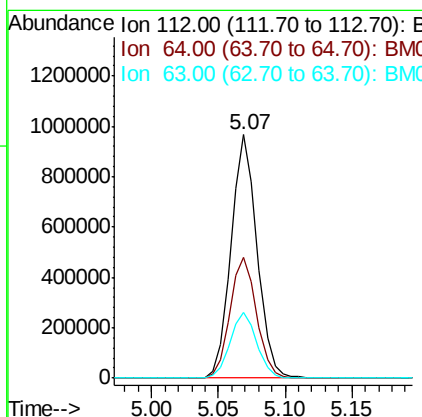
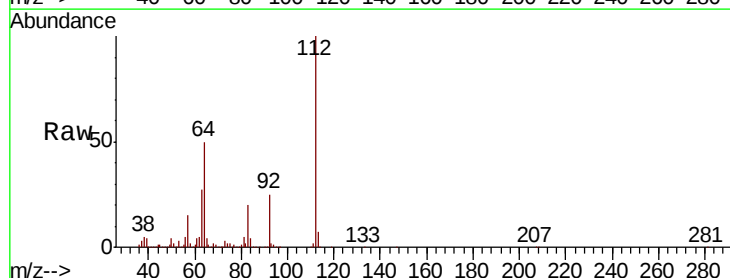
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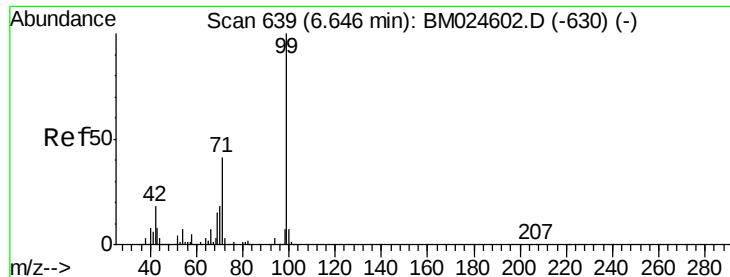
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#5
 2-Fluorophenol
 Concen: 99.386 ng
 RT: 5.07 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.7	44.2	66.4
63	27.1	25.9	38.9





#7

Phenol-d6

Concen: 90.186 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Instrument :

BNA_M

ClientSampled :

TAL-2

Tot Ion: 99 Resp: 1646709

Ion Ratio Lower Upper

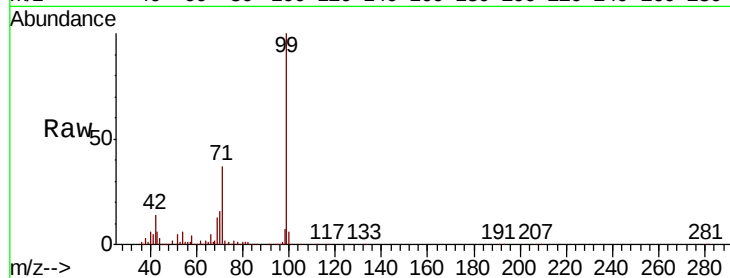
99 100

42 14.4 14.1 21.1

71 36.6 33.0 49.6

Manual Integrations
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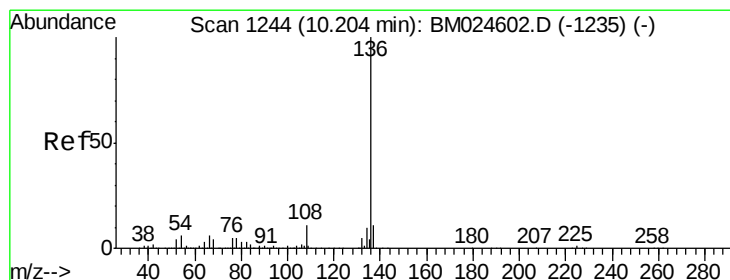
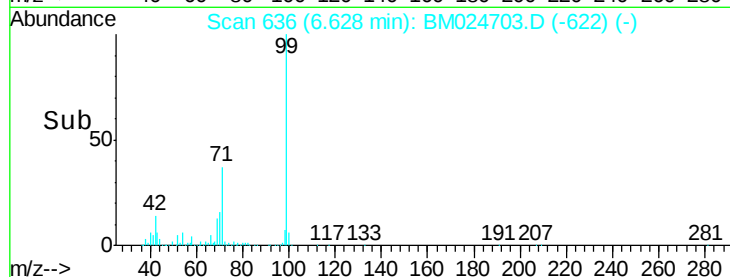
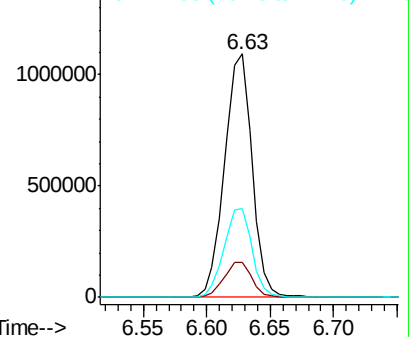
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Abundance Ion 99.00 (98.70 to 99.70): BM024602.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM024602.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM024602.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Tgt Ion: 136 Resp: 946399

Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 4.6 4.5 6.7

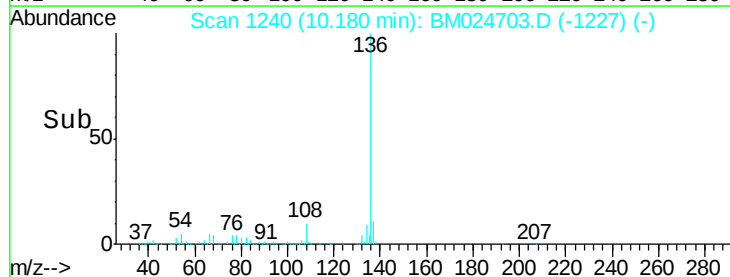
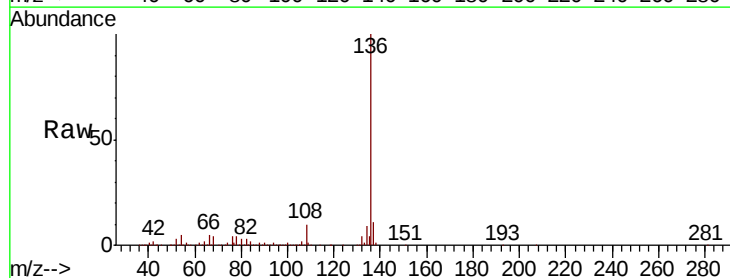
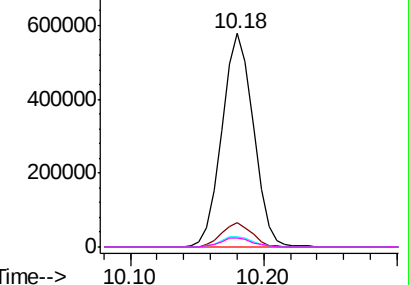
68 4.1 3.4 5.0

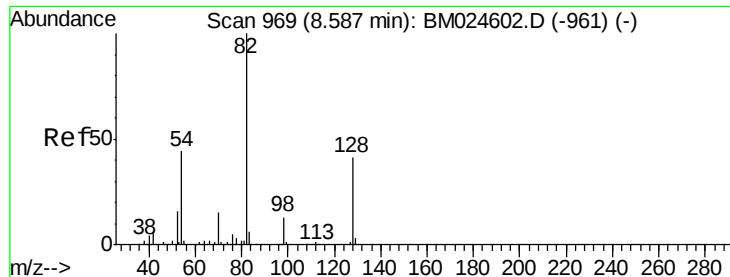
Abundance Ion 136.00 (135.70 to 136.70): BM024602.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM024602.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM024602.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM024602.D (-1235) (-)





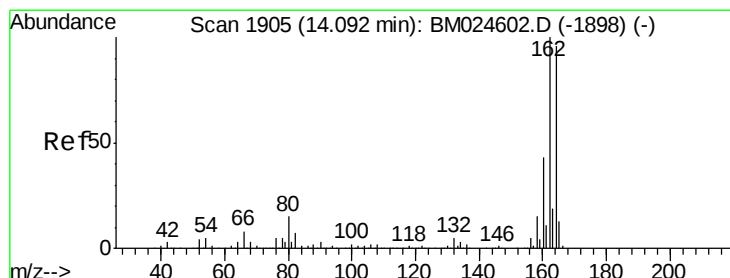
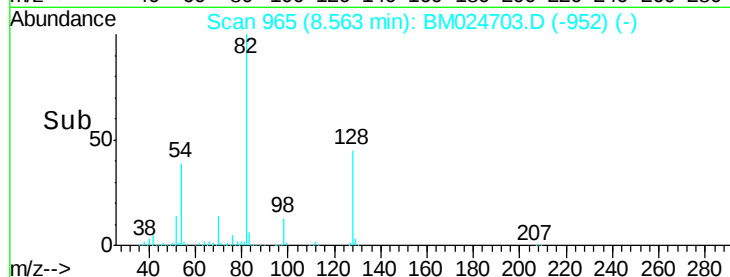
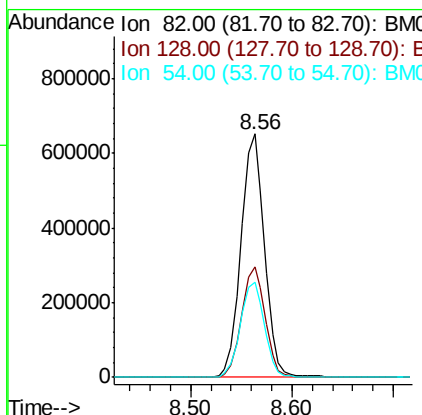
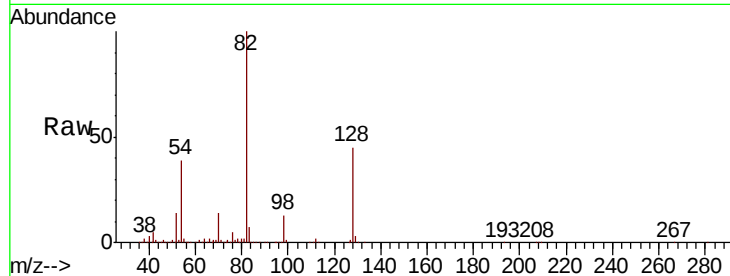
#23
Nitrobenzene-d5
Concen: 54.418 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampled :
TAL-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	32.6	48.8
54	39.2	34.8	52.2

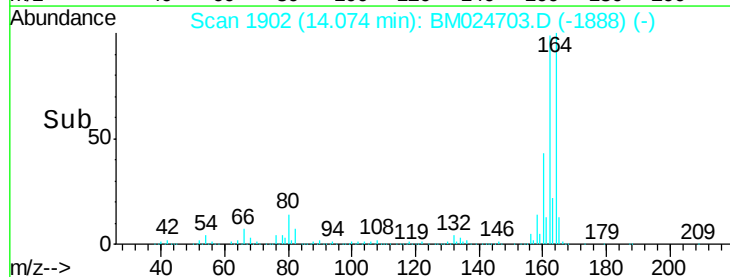
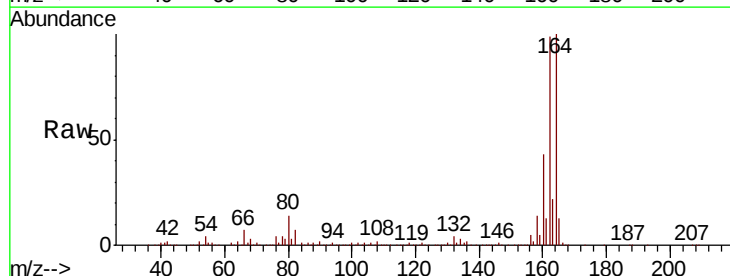
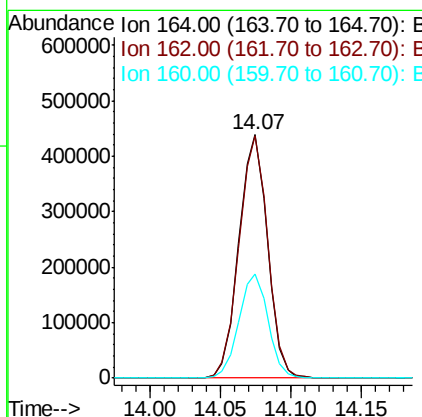
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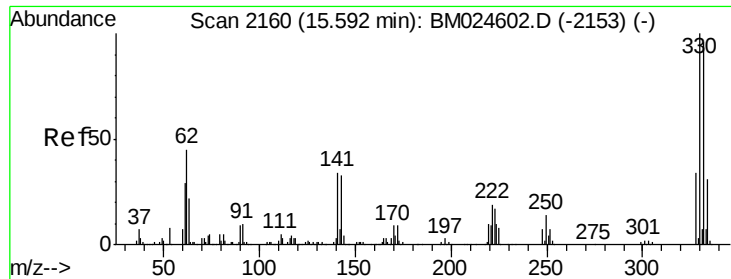
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.3	82.9	124.3
160	42.9	35.5	53.3





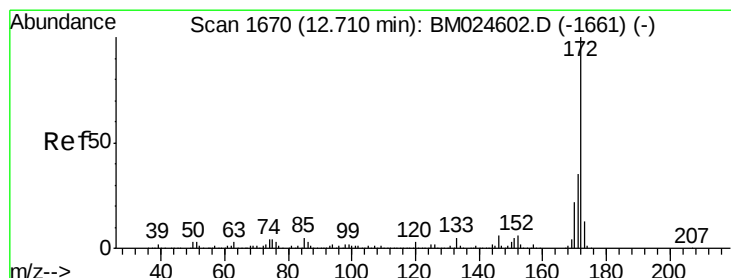
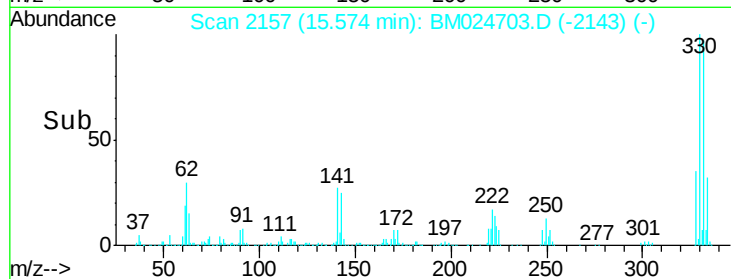
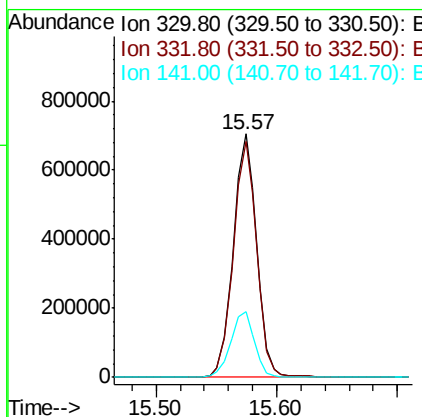
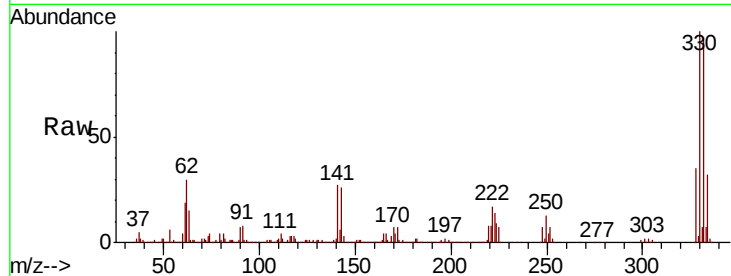
#42
 2,4,6-Tribromophenol
 Concen: 94.191 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Instrument :
 BNA_M
 ClientSampleId :
 TAL-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	953992		
332	97.0		77.2	115.8
141	27.0		26.9	40.3

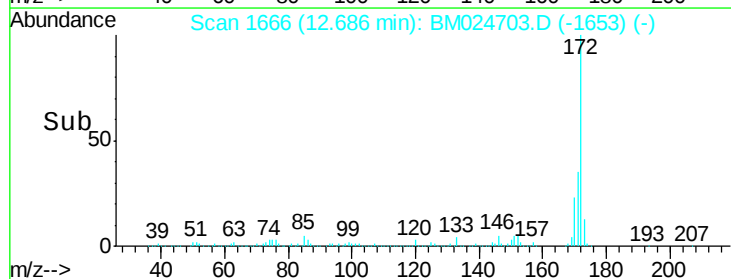
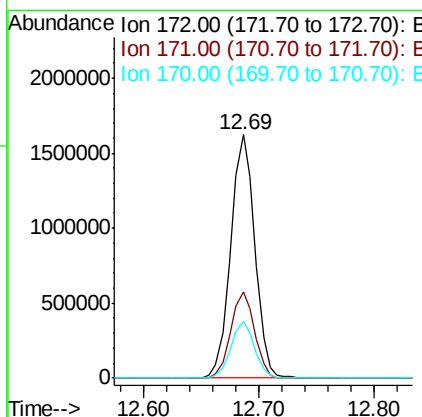
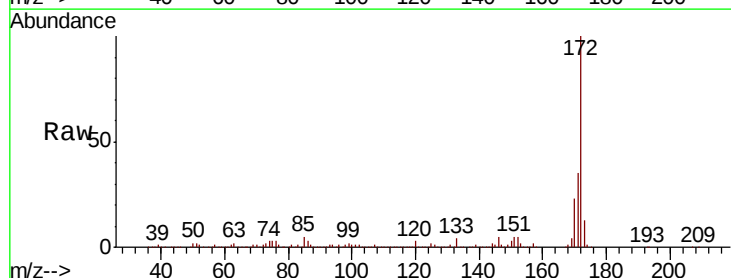
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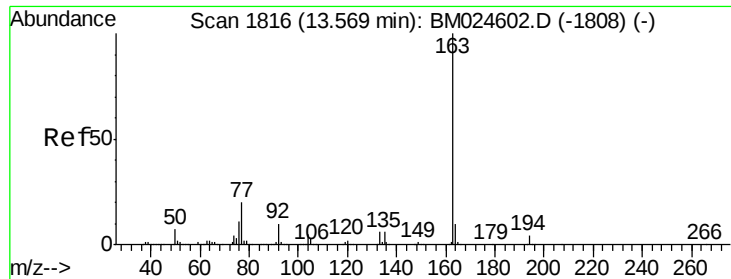
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#45
 2-Fluorobiphenyl
 Concen: 51.267 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2348003		
171	35.3		28.3	42.5
170	23.1		17.9	26.9





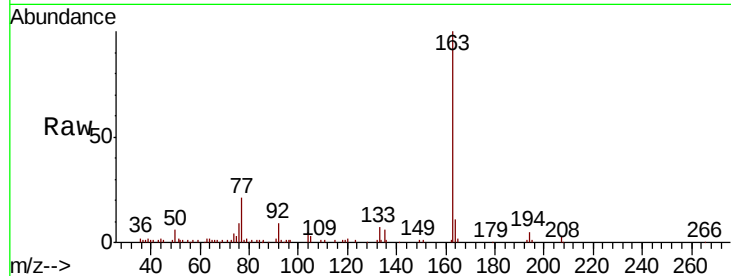
#50
Dimethylphthalate
Concen: 2.094 ng
RT: 13.54 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampleId :
TAL-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	105408		
194	4.6		3.4	5.0
164	10.6		8.0	12.0

Manual Integrations
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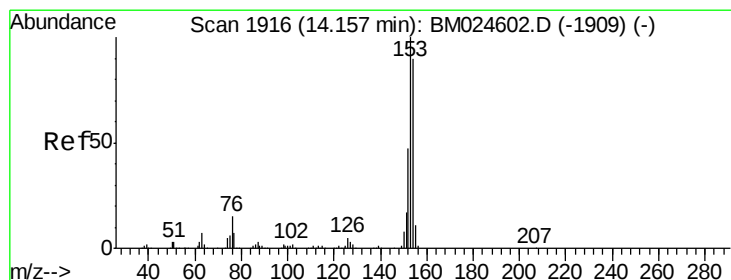
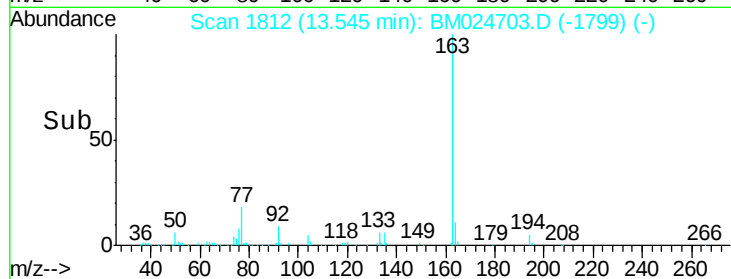
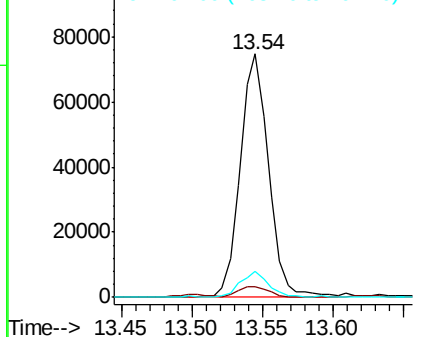


Abundance

Ion 163.00 (162.70 to 163.70): E

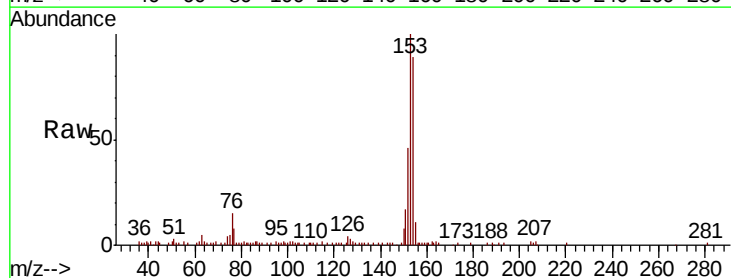
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.636 ng
RT: 14.14 min Scan# 1913
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	93136		
153	111.8		89.1	133.7
152	51.6		41.9	62.9

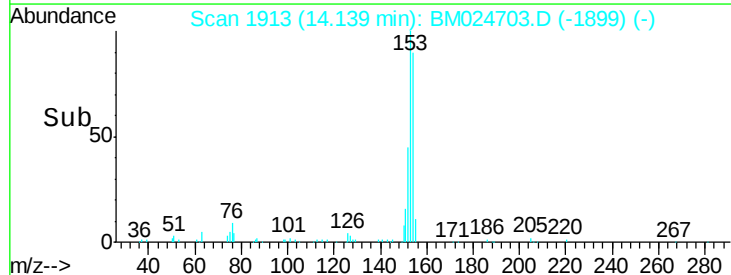
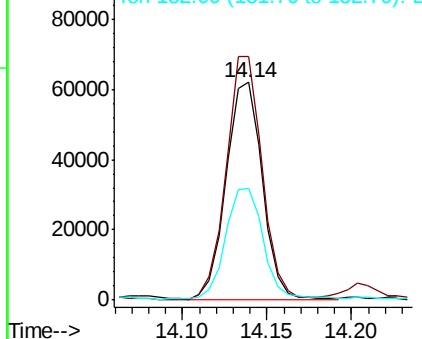


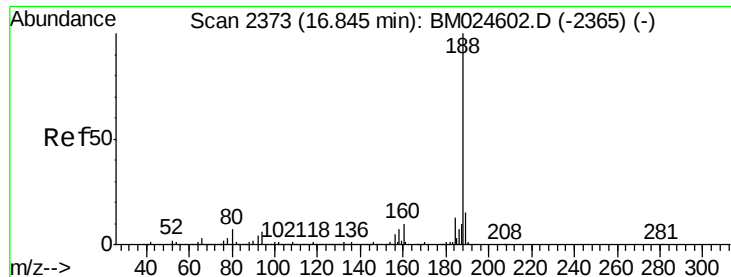
Abundance

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





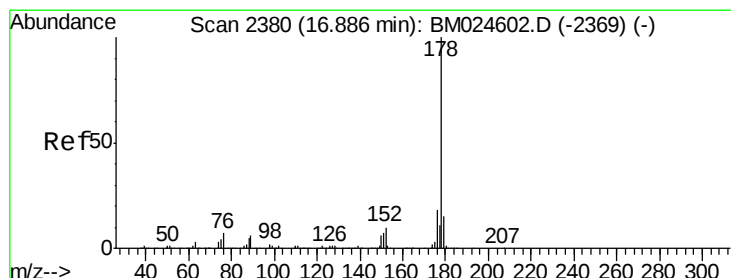
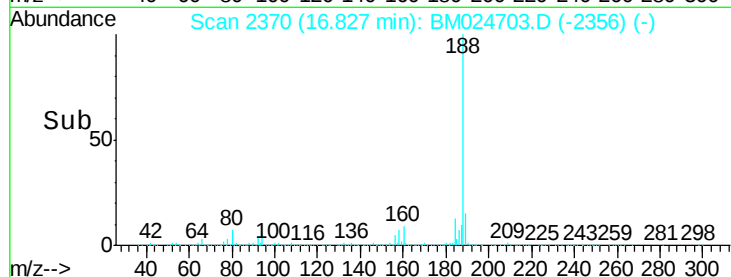
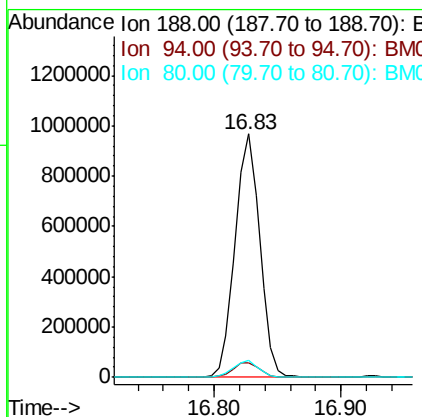
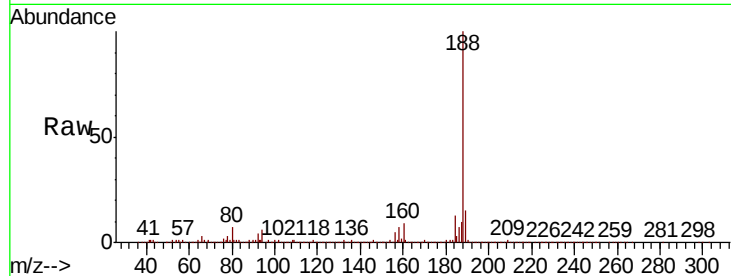
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampleId :
TAL-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.0	7.6
80	7.2	5.8	8.8

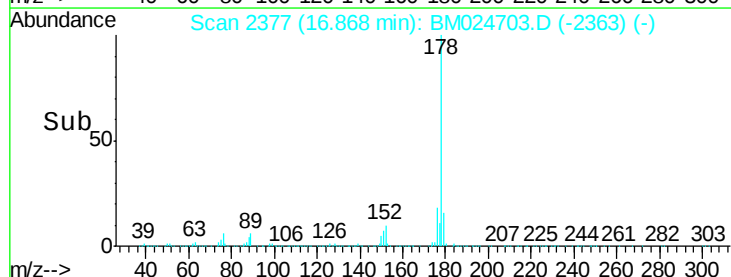
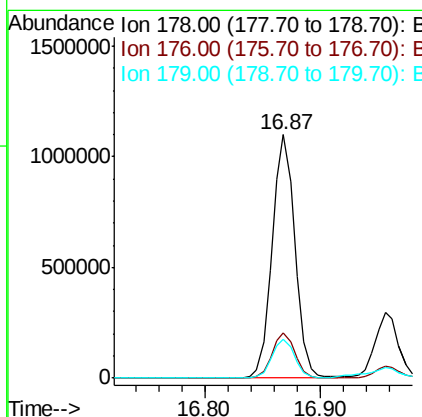
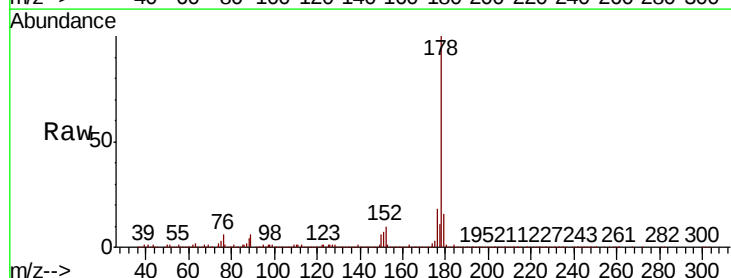
Manual Integrations
APPROVED

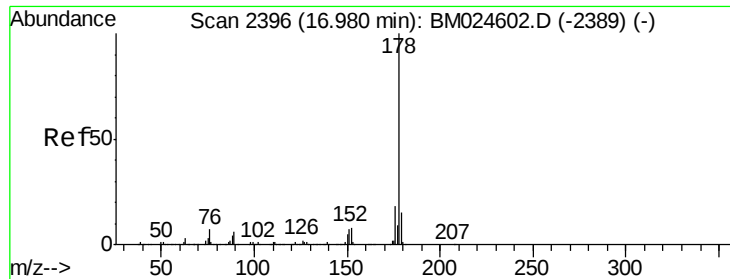
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#71
Phenanthrene
Concen: 21.298 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	15.7	11.9	17.9





#72

Anthracene

Concen: 5.856 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.02 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Instrument :

BNA_M

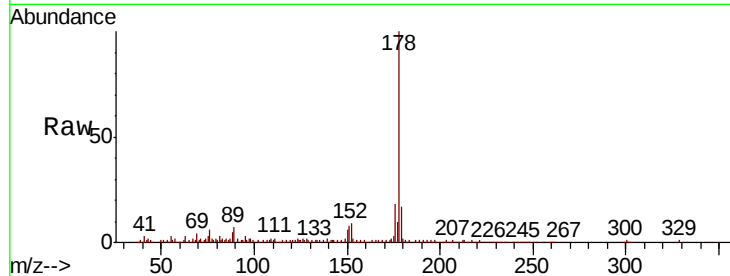
ClientSampleId :

TAL-2

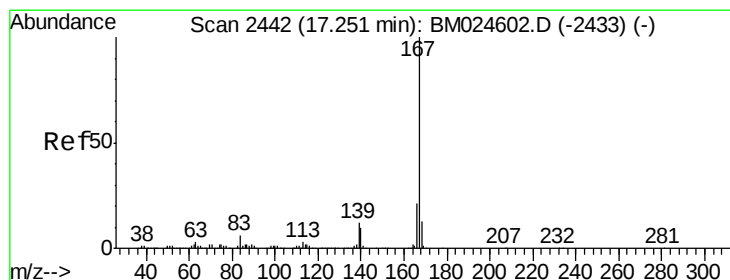
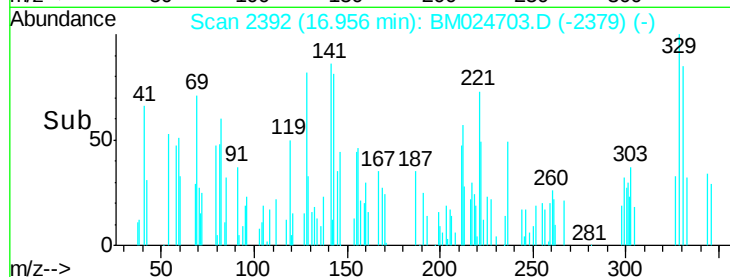
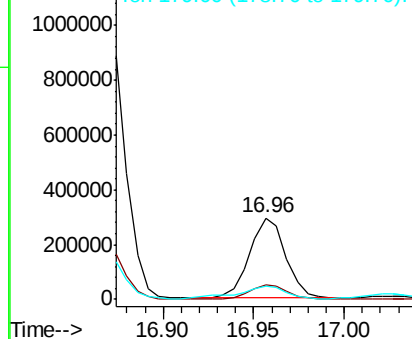
Tot Ion:	178	Resp:	404913
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.3	21.5
179	17.0	12.1	18.1

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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



#73

Carbazole

Concen: 3.182 ng

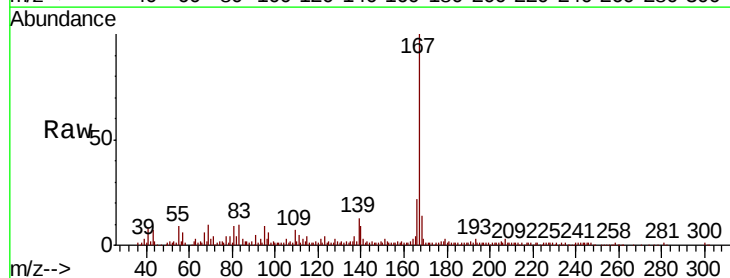
RT: 17.23 min Scan# 2439

Delta R.T. -0.02 min

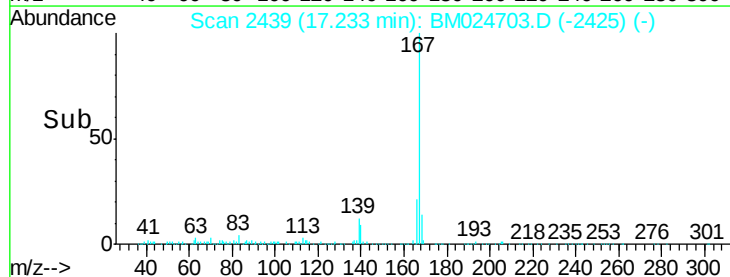
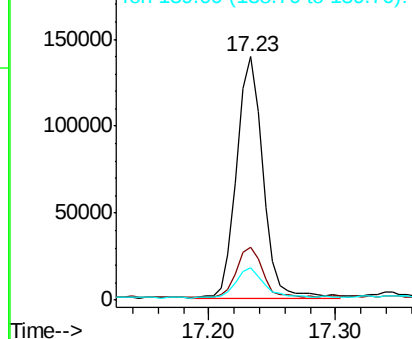
Lab File: BM024703.D

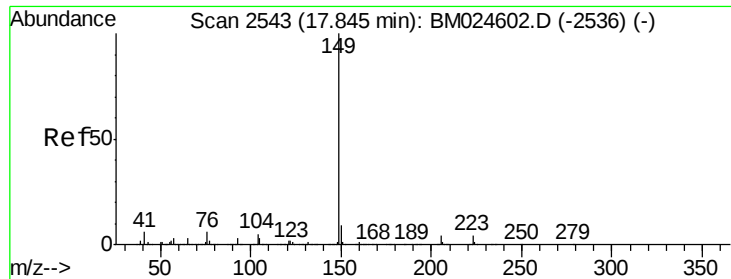
Acq: 03 Feb 2020 17:36

Tgt Ion:	167	Resp:	200280
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	13.3	9.8	14.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 10.548 ng

RT: 17.83 min Scan# 2540

Delta R.T. -0.02 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Instrument :

BNA_M

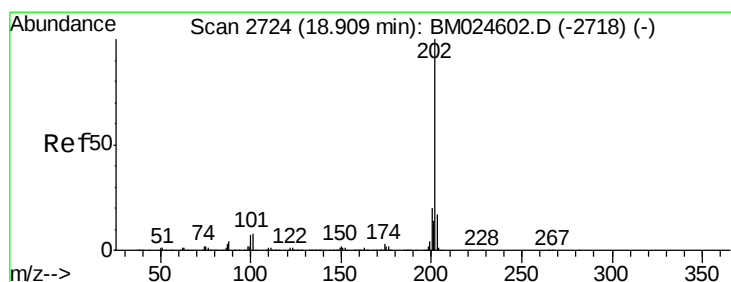
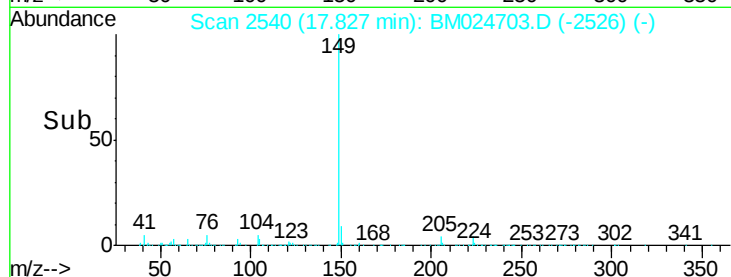
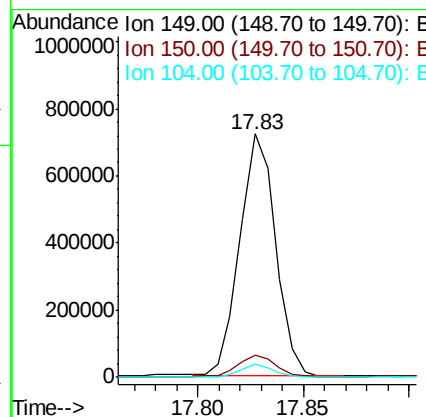
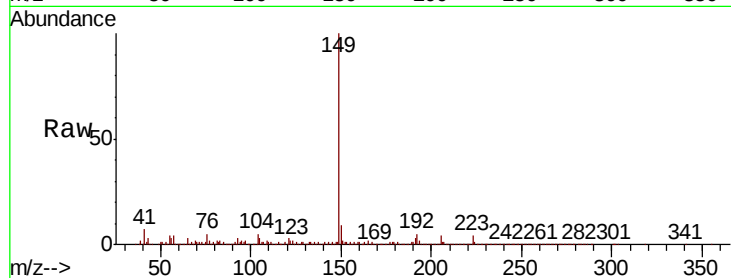
ClientSampled :

TAL-2

Tot Ion:	149	Resp:	848810
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.4	11.0
104	5.2	4.3	6.5

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#75

Fluoranthene

Concen: 33.837 ng

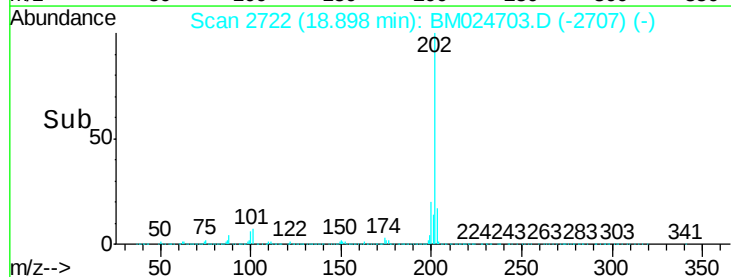
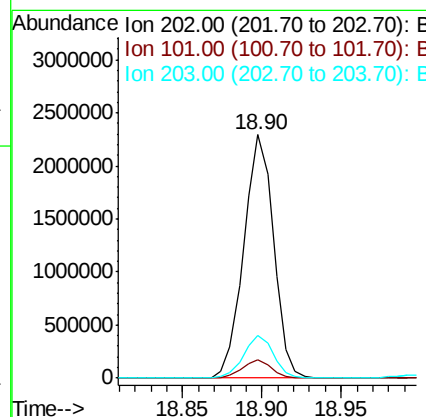
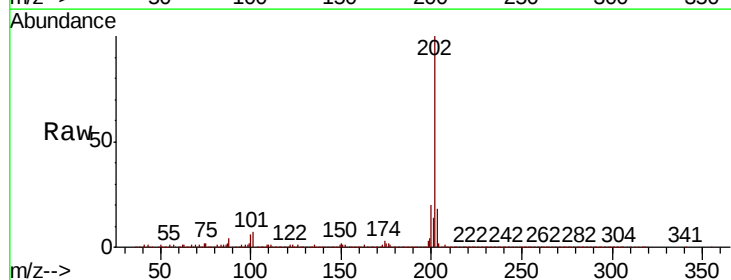
RT: 18.90 min Scan# 2722

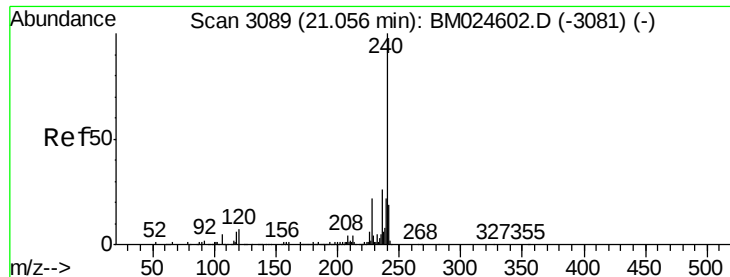
Delta R.T. -0.01 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Tgt Ion:	202	Resp:	2984263
Ion Ratio	Lower	Upper	
202	100		
101	7.4	0.0	28.4
203	17.7	0.0	37.5





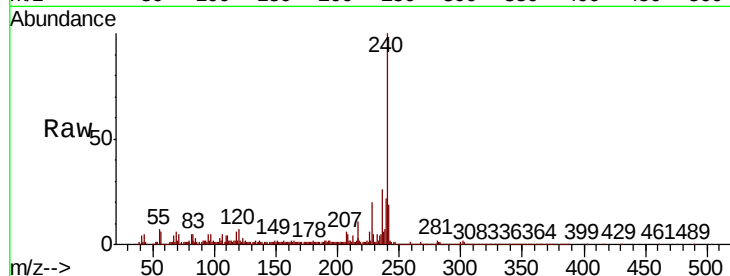
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.04 min Scan# 3087
Delta R.T. -0.01 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampleId :
TAL-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.8	5.3	7.9
236	26.0	20.6	31.0

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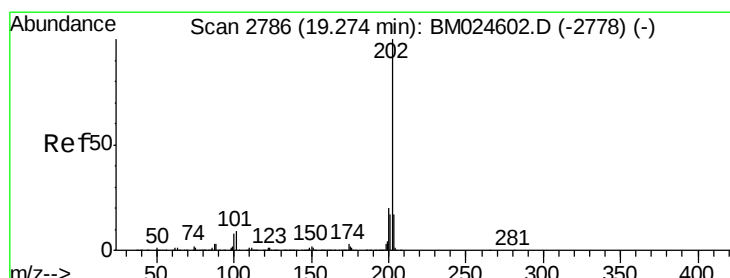
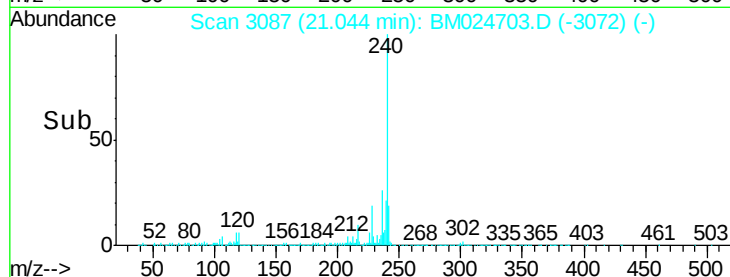
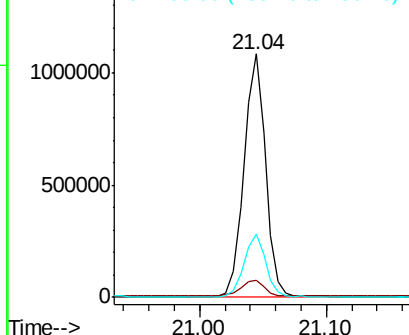


Abundance

Ion 240.00 (239.70 to 240.70): E

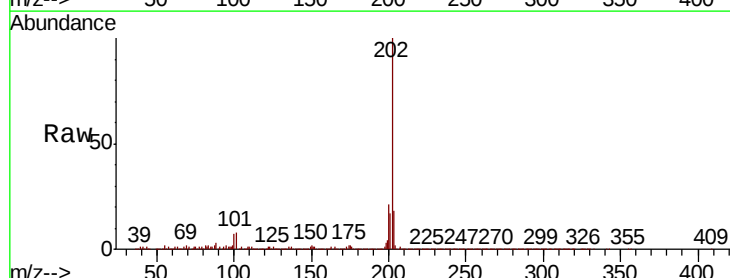
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 29.706 ng
RT: 19.26 min Scan# 2784
Delta R.T. -0.01 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	18.3	14.0	21.0

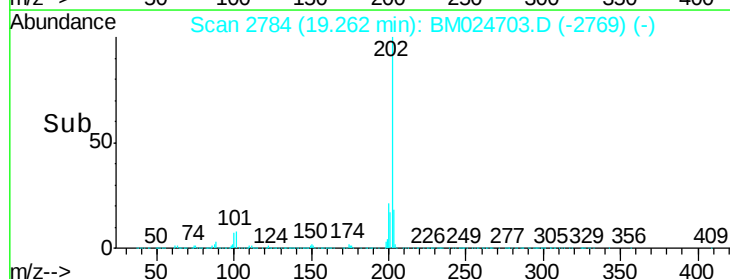
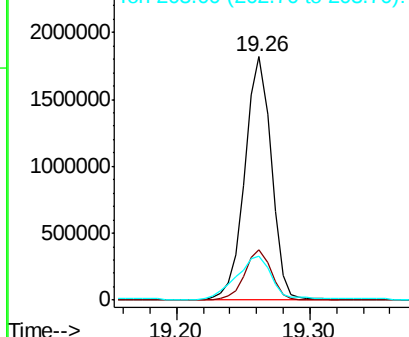


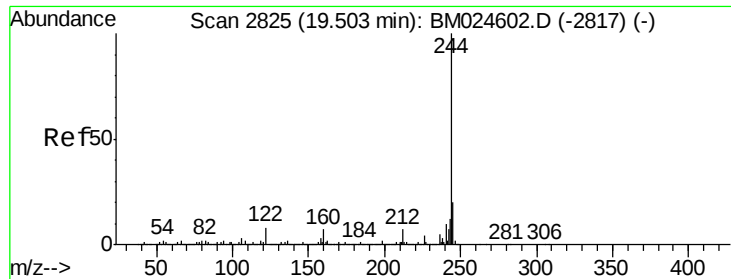
Abundance

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





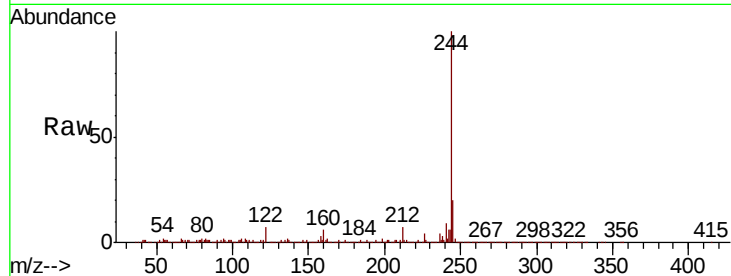
#79
 Terphenyl-d14
 Concen: 53.825 ng
 RT: 19.49 min Scan# 2822
 Delta R.T. -0.02 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Instrument :
 BNA_M
 ClientSampleId :
 TAL-2

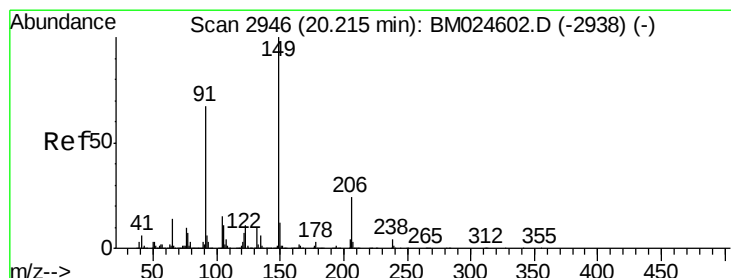
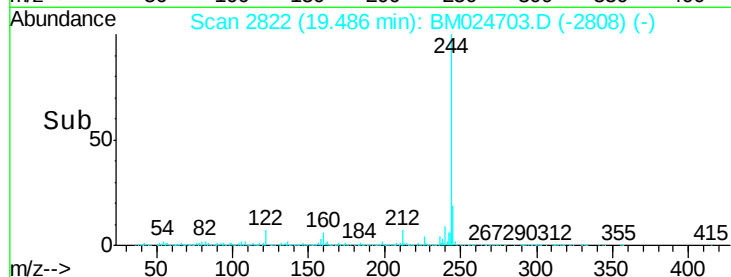
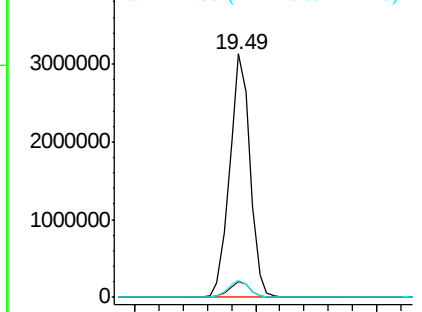
Tot Ion:244 Resp: 3657049
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 7.1 6.2 9.4

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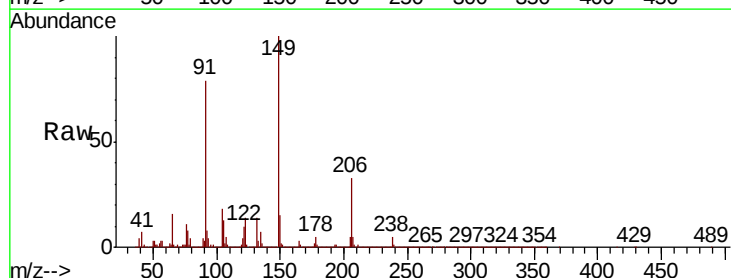


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

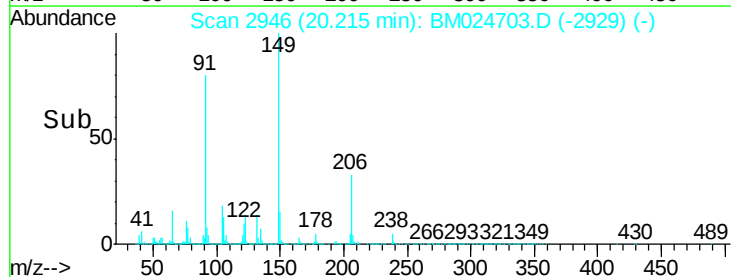
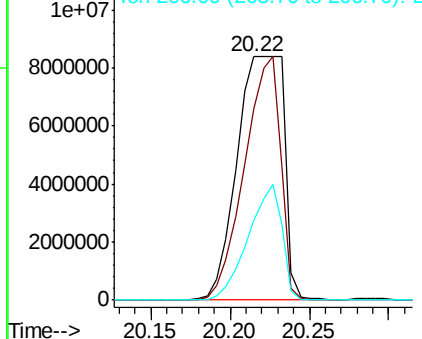


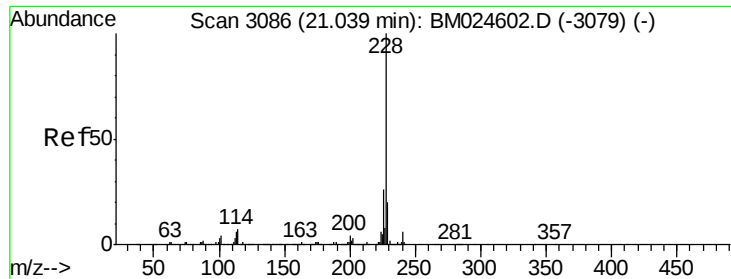
#80
 Butylbenzylphthalate
 Concen: 494.054 ng
 RT: 20.22 min Scan# 2946
 Delta R.T. -0.00 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Tgt Ion:149 Resp:17335380
 Ion Ratio Lower Upper
 149 100
 91 78.7 53.9 80.9
 206 32.6 19.0 28.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BM0
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 16.941 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Instrument :

BNA_M

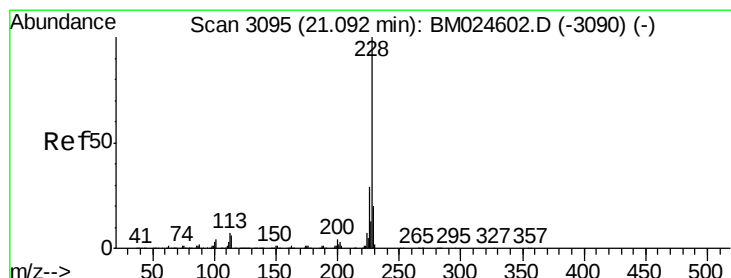
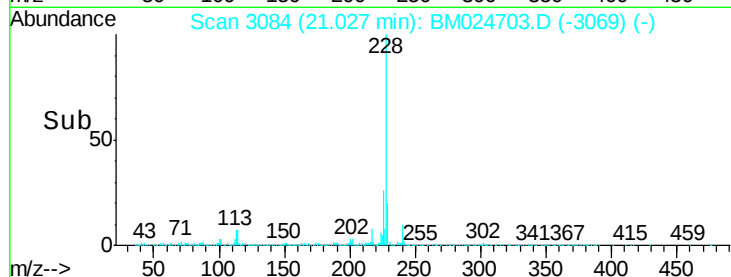
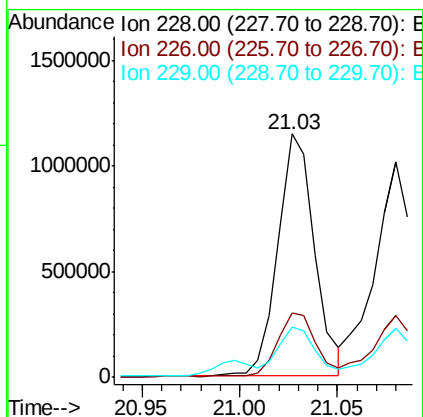
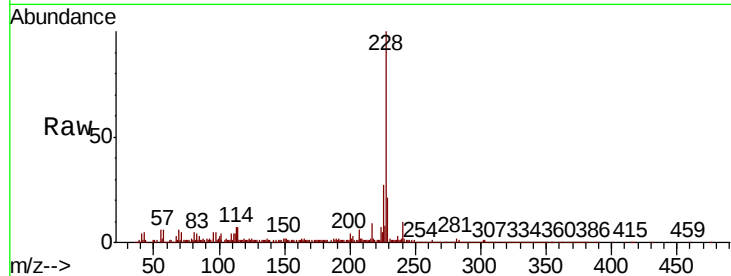
ClientSampleId :

TAL-2

Tot Ion:	228	Resp:	1491410
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.1	31.7
229	20.7	15.8	23.6

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#83

Chrysene

Concen: 16.309 ng

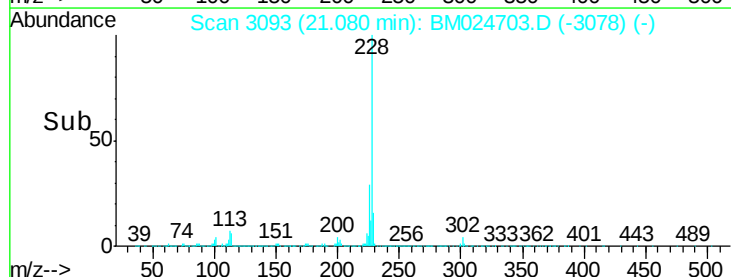
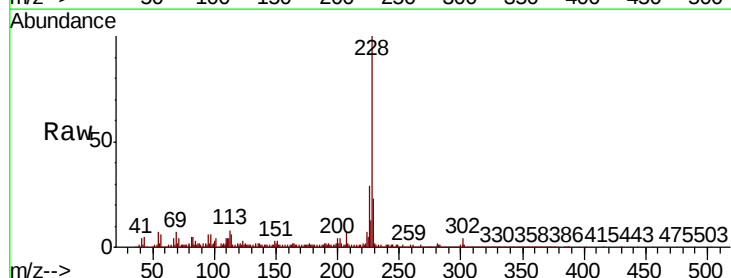
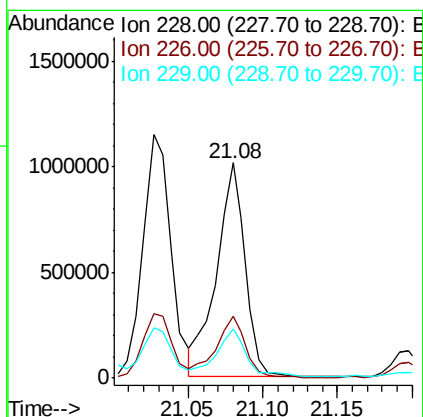
RT: 21.08 min Scan# 3093

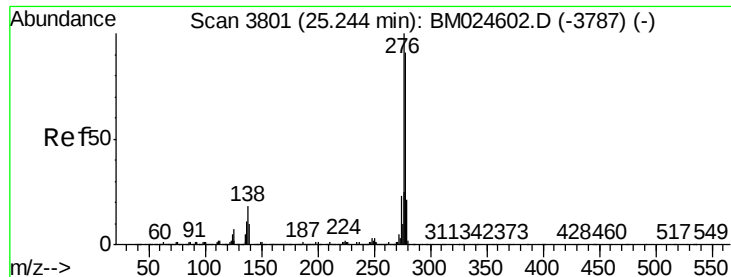
Delta R.T. -0.01 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Tgt Ion:	228	Resp:	1370011
Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	22.6	15.7	23.5





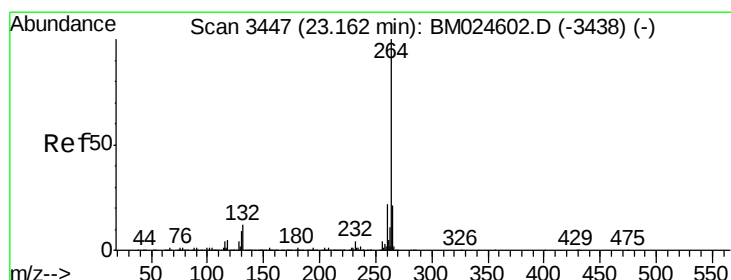
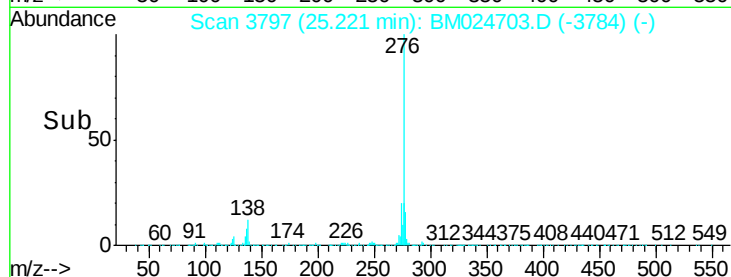
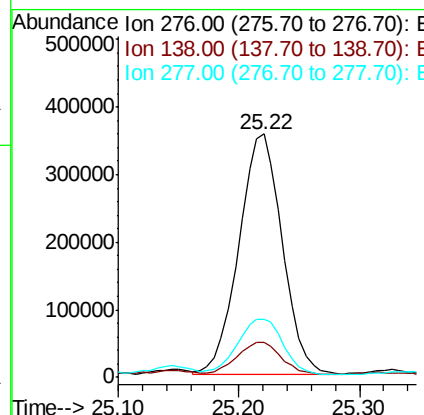
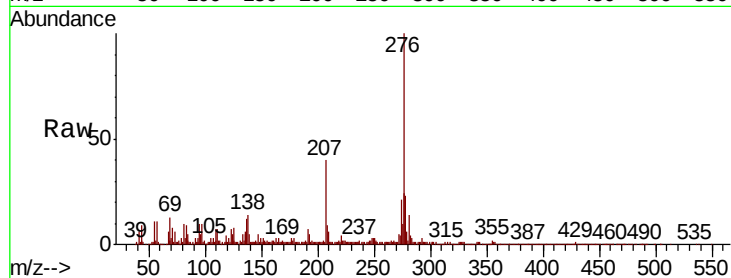
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.703 ng
RT: 25.22 min Scan# 3797
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampleId :
TAL-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	13.4	20.0
277	24.7	19.6	29.4

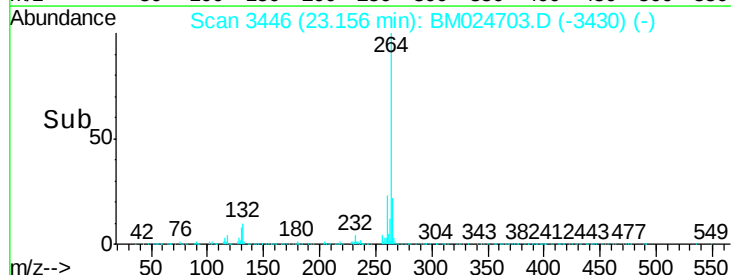
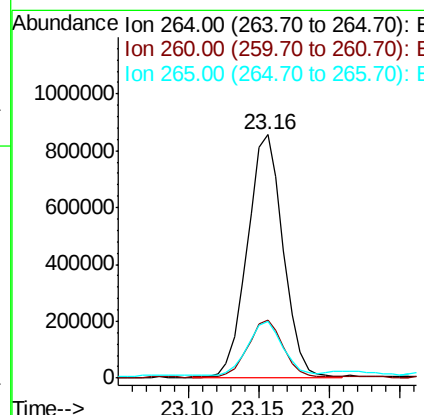
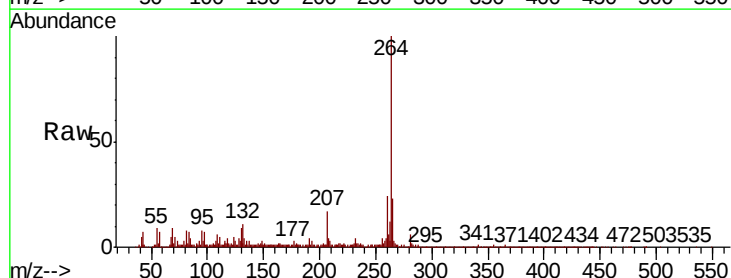
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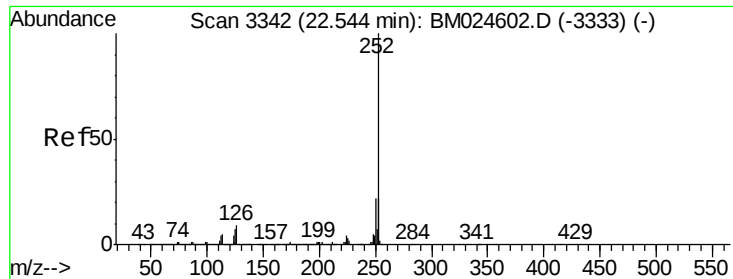
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.16 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.9	26.9
265	23.1	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 19.303 ng m

RT: 22.54 min Scan# 3341

Delta R.T. -0.01 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

Instrument :

BNA_M

ClientSampleId :

TAL-2

Tot Ion:252 Resp: 1893319

Ion Ratio Lower Upper

252 100

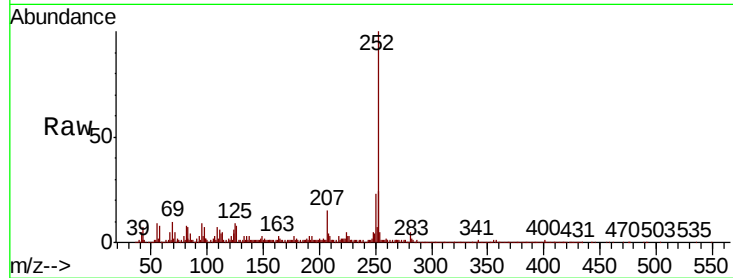
253 23.8 17.6 26.4

125 8.9 5.7 8.5#

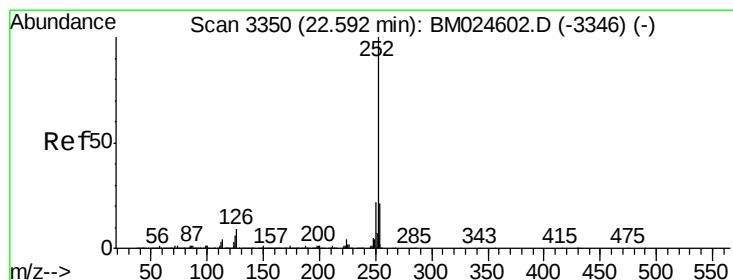
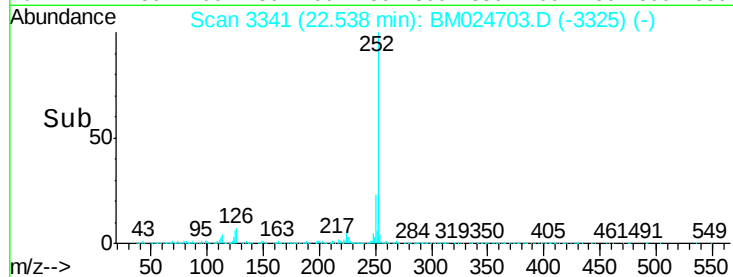
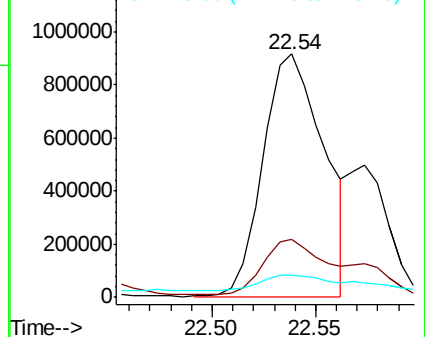
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.996 ng m

RT: 22.57 min Scan# 3347

Delta R.T. -0.02 min

Lab File: BM024703.D

Acq: 03 Feb 2020 17:36

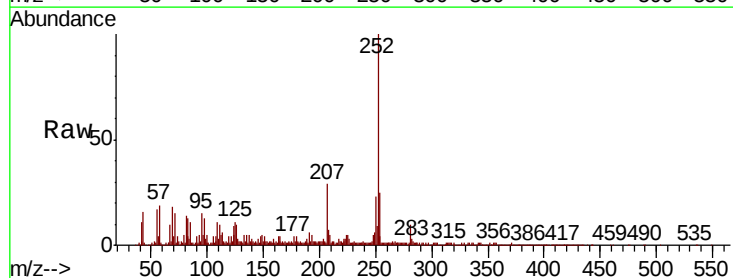
Tgt Ion:252 Resp: 669747

Ion Ratio Lower Upper

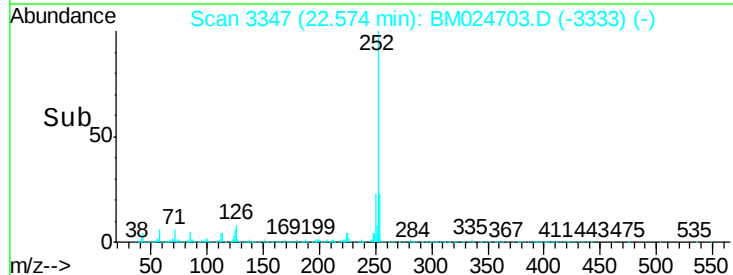
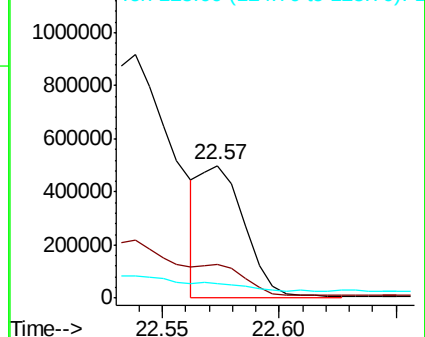
252 100

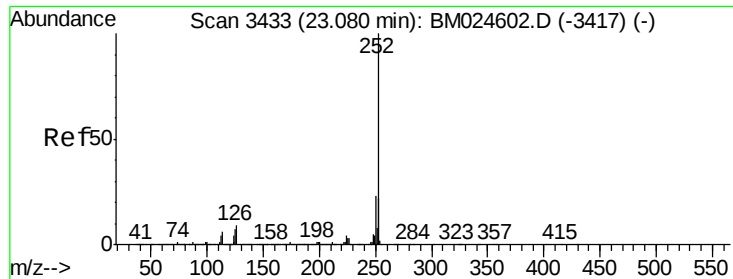
253 25.0 17.3 25.9

125 11.2 5.2 7.8#



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





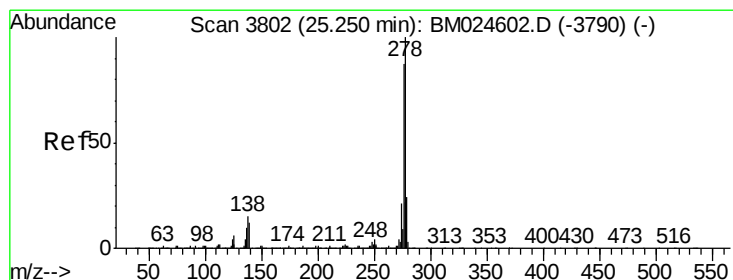
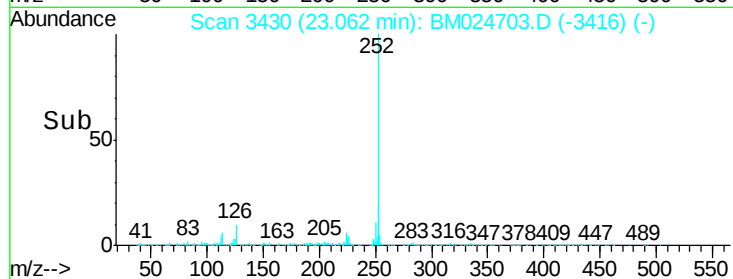
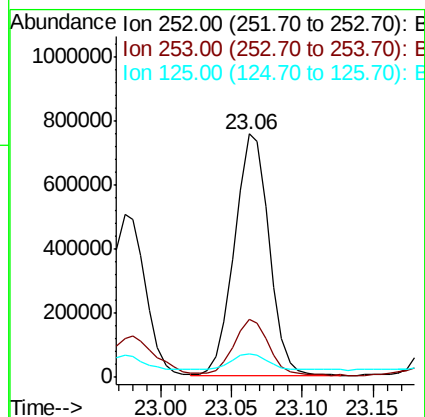
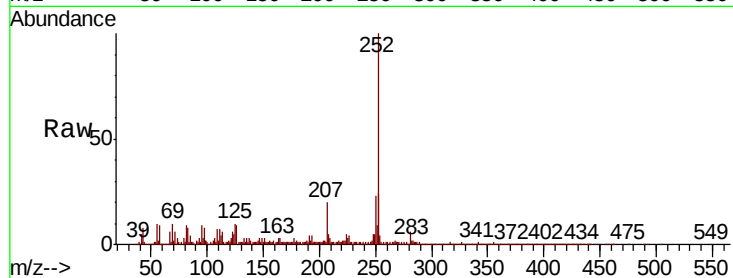
#90
Benzo(a)pyrene
Concen: 14.420 ng
RT: 23.06 min Scan# 3430
Delta R.T. -0.02 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Instrument :
BNA_M
ClientSampled :
TAL-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9
125	9.7	5.8	8.8

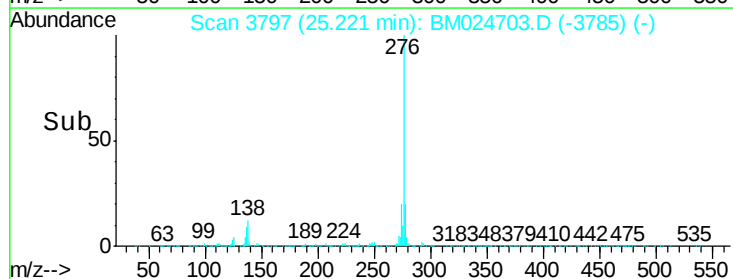
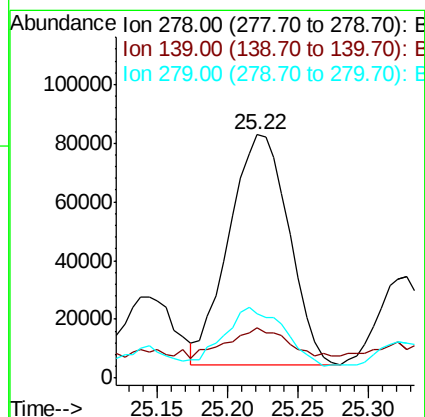
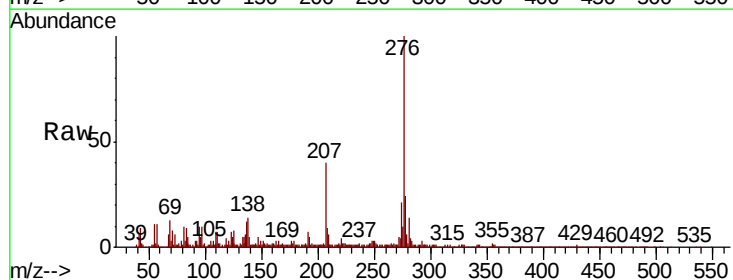
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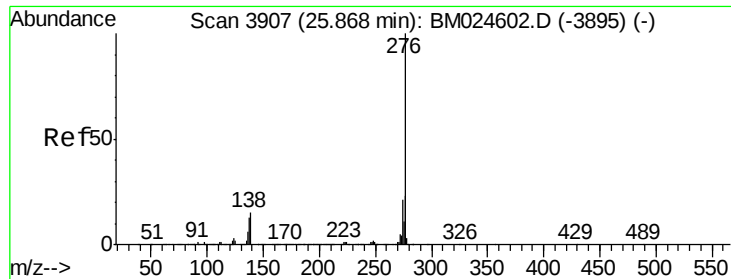
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#91
Dibenzo(a,h)anthracene
Concen: 2.735 ng
RT: 25.22 min Scan# 3797
Delta R.T. -0.03 min
Lab File: BM024703.D
Acq: 03 Feb 2020 17:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	9.3	13.9
279	26.7	18.9	28.3





#92
 Benzo(a,h,i)perylene
 Concen: 11.015 ng
 RT: 25.84 min Scan# 3902
 Delta R.T. -0.03 min
 Lab File: BM024703.D
 Acq: 03 Feb 2020 17:36

Instrument :
 BNA_M
 ClientSampleId :
 TAL-2

Tot Ion:	276	Resp:	846552
Ion Ratio	Lower	Upper	
276	100		
277	24.2	18.6	28.0
138	14.3	11.9	17.9

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