

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
 Data File : BM024704.D
 Acq On : 03 Feb 2020 18:12
 Operator : CG/JU
 Sample : L1351-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TAL-3

Manual Integrations
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Quant Time: Feb 04 04:00:17 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	256947	20.00	ng	-0.02
21) Naphthalene-d8	10.18	136	958005	20.00	ng	-0.02
39) Acenaphthene-d10	14.07	164	634152	20.00	ng	-0.02
64) Phenanthrene-d10	16.83	188	1327536	20.00	ng	-0.02
76) Chrysene-d12	21.04	240	1289226	20.00	ng	-0.02
87) Perylene-d12	23.15	264	1524001	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1414627	104.70	ng	-0.01
7) Phenol-d6	6.63	99	1754850	94.28	ng	-0.02
23) Nitrobenzene-d5	8.56	82	1130797	57.89	ng	-0.02
42) 2,4,6-Tribromophenol	15.57	330	1029251	99.78	ng	-0.02
45) 2-Fluorobiphenyl	12.69	172	2494536	53.48	ng	-0.02
79) Terphenyl-d14	19.49	244	3876347	56.13	ng	-0.02
Target Compounds						
52) Acenaphthene	14.14	154	130069	3.614	ng	Qvalue 98
58) Fluorene	15.13	166	125691	2.548	ng	100
71) Phenanthrene	16.87	178	1955675	27.204	ng	99
72) Anthracene	16.96	178	504652	7.174	ng	99
73) Carbazole	17.23	167	254202	3.970	ng	99
75) Fluoranthene	18.90	202	3542855	39.486	ng	99
78) Pyrene	19.26	202	2907015	34.204	ng	99
80) Butylbenzylphthalate	20.20	149	256367	7.189	ng	93
81) Benzo(a)anthracene	21.03	228	1708431	19.093	ng	99
83) Chrysene	21.08	228	1509052	17.674	ng	98
86) Indeno(1,2,3-cd)pyrene	25.22	276	981186	10.543	ng	97
88) Benzo(b)fluoranthene	22.54	252	2112947m	21.377	ng	
89) Benzo(k)fluoranthene	22.57	252	710350m	7.363	ng	
90) Benzo(a)pyrene	23.06	252	1416966	15.768	ng	# 95
91) Dibenzo(a,h)anthracene	25.23	278	256452	3.007	ng	# 90
92) Benzo(g,h,i)perylene	25.84	276	926025	11.957	ng	98

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

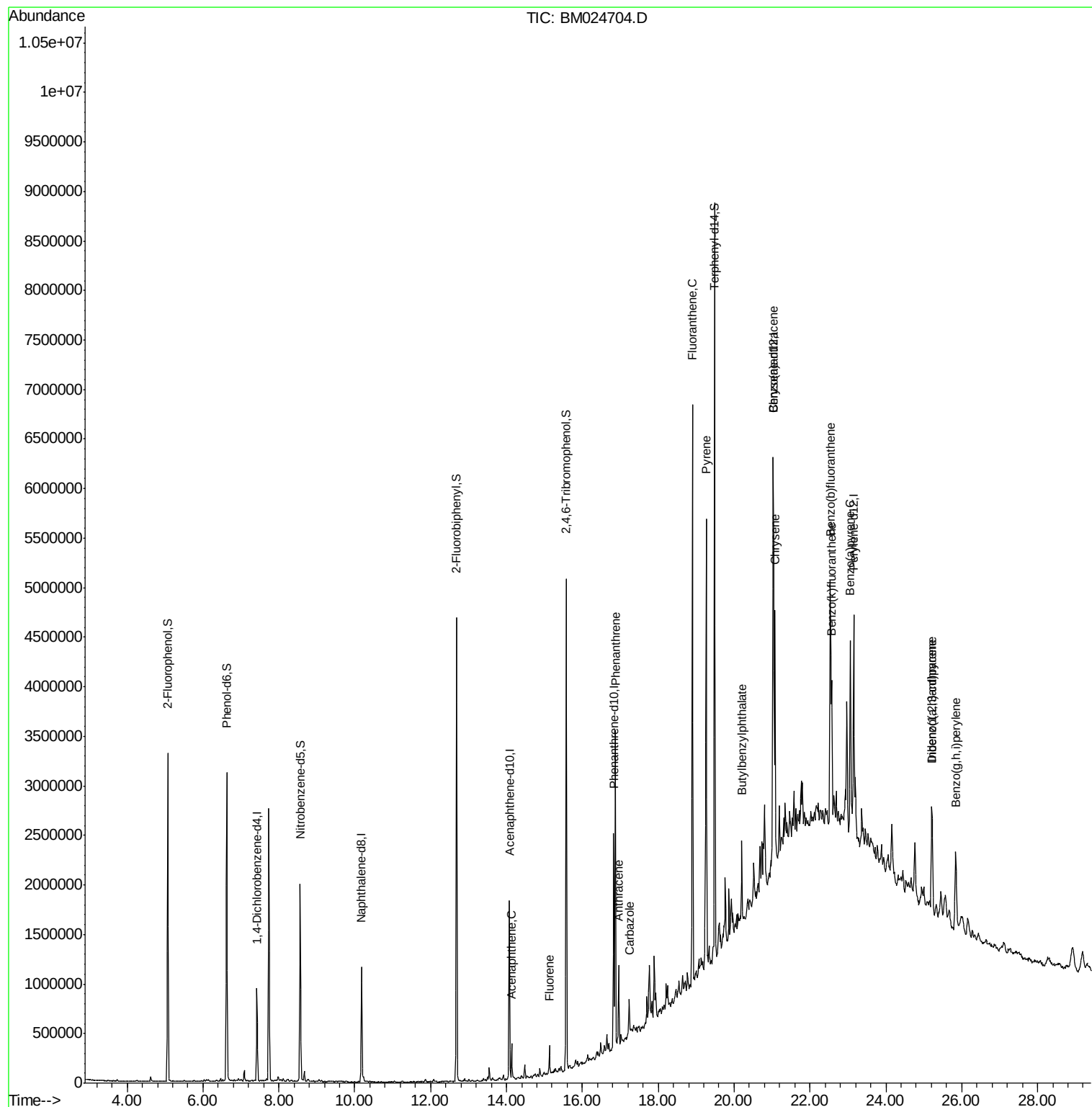
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM020320\
Data File : BM024704.D
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Sample : L1351-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

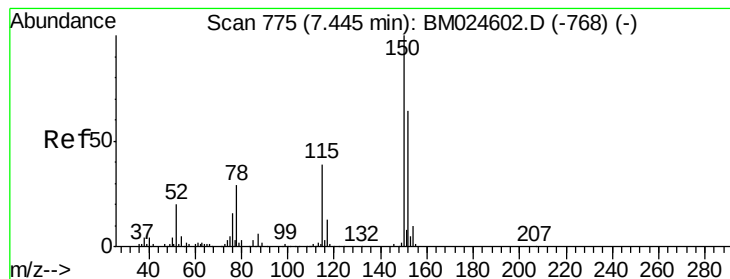
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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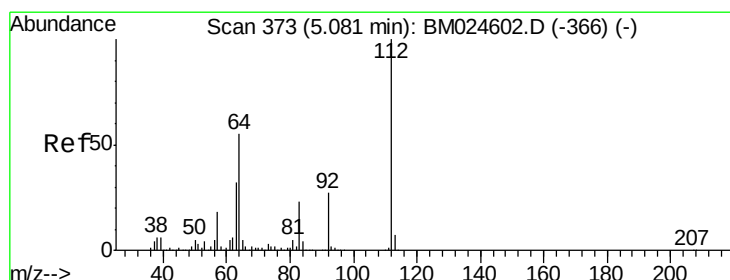
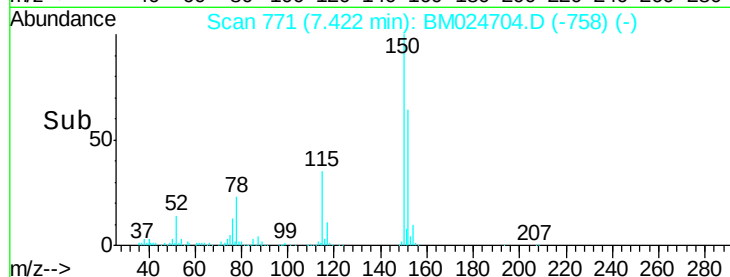
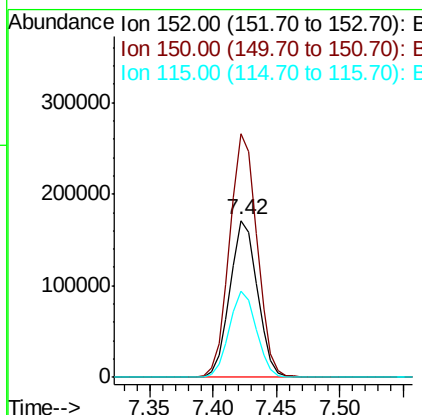
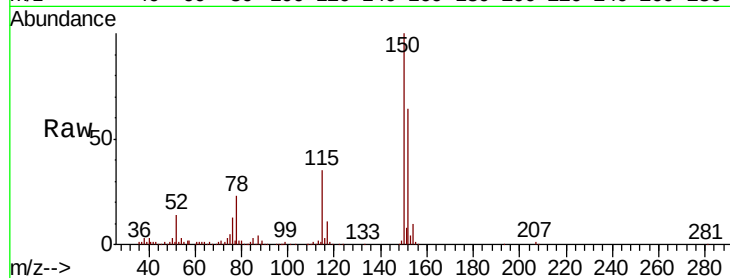
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.42 min Scan# 771
 Delta R.T. -0.02 min
 Lab File: BM024704.D
 Acq: 03 Feb 2020 18:12

Instrument :
 BNA_M
 ClientSampled :
 TAL-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.4
115	54.7	48.6	72.8

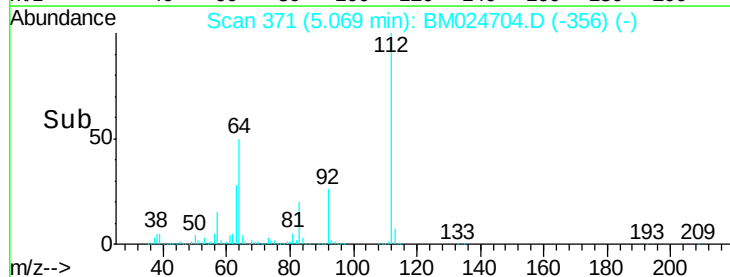
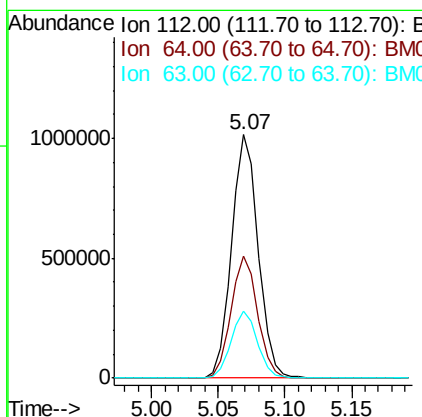
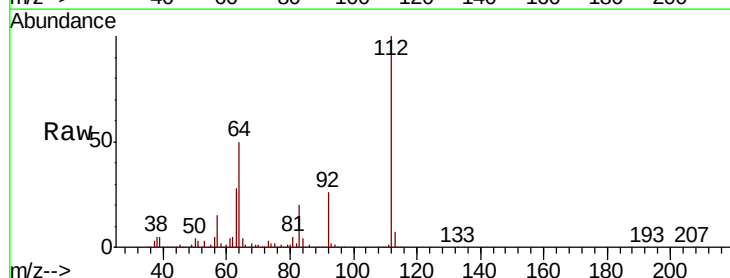
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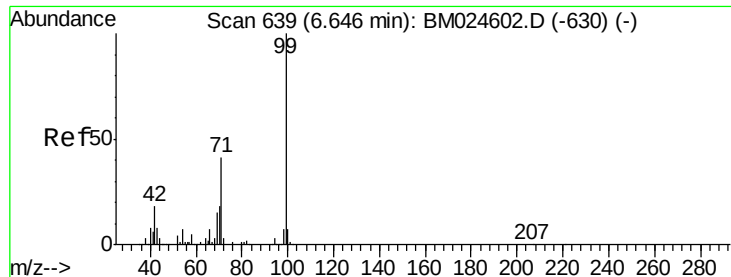
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#5
 2-Fluorophenol
 Concen: 104.702 ng
 RT: 5.07 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM024704.D
 Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.3	44.2	66.4
63	27.7	25.9	38.9





#7

Phenol-d6

Concen: 94.284 ng

RT: 6.63 min Scan# 636

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

ClientSampleId :

TAL-3

Tot Ion: 99 Resp: 1754850

Ion Ratio Lower Upper

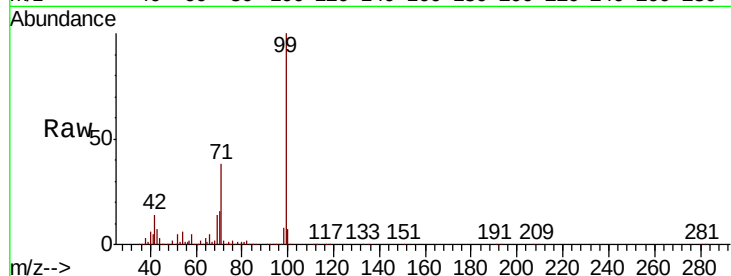
99 100

42 14.4 14.1 21.1

71 37.6 33.0 49.6

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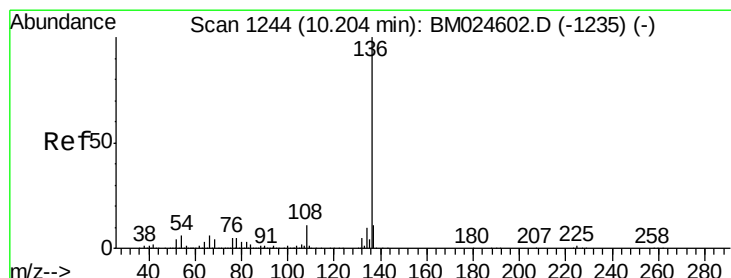
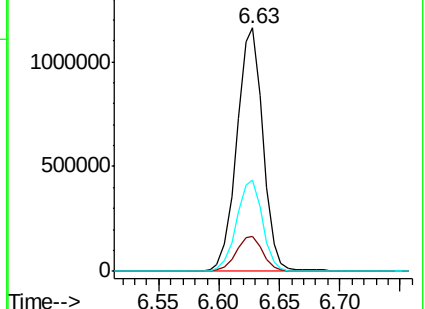
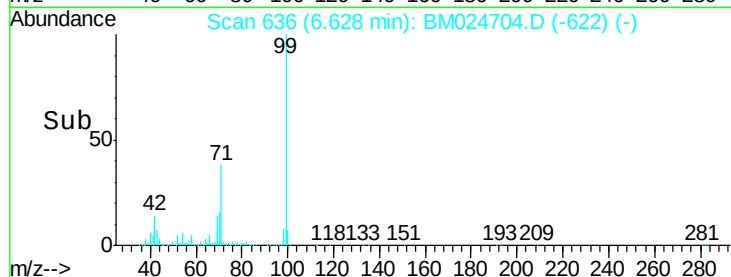


Abundance Ion 99.00 (98.70 to 99.70): BM024704.D (-622) (-)

Ion 42.00 (41.70 to 42.70): BM024704.D (-622) (-)

Ion 71.00 (70.70 to 71.70): BM024704.D (-622) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.18 min Scan# 1240

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Tgt Ion: 136 Resp: 958005

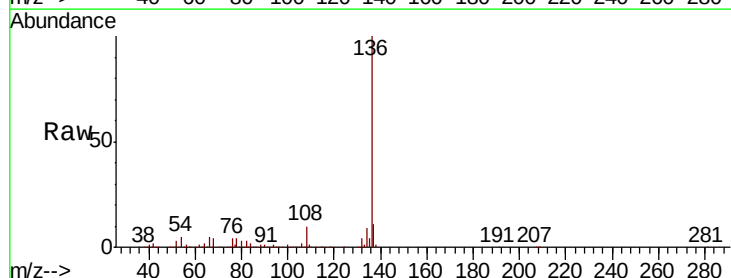
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 4.7 4.5 6.7

68 4.4 3.4 5.0



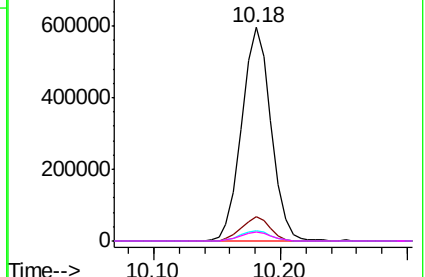
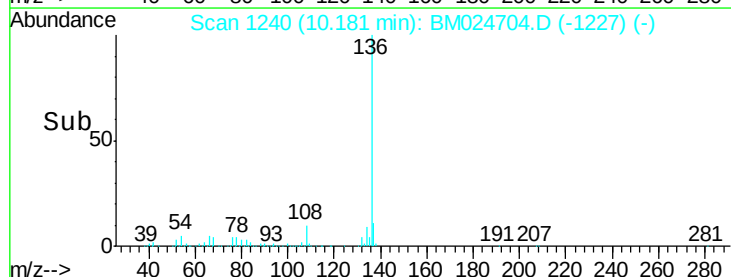
Abundance Ion 136.00 (135.70 to 136.70): BM024704.D (-1227) (-)

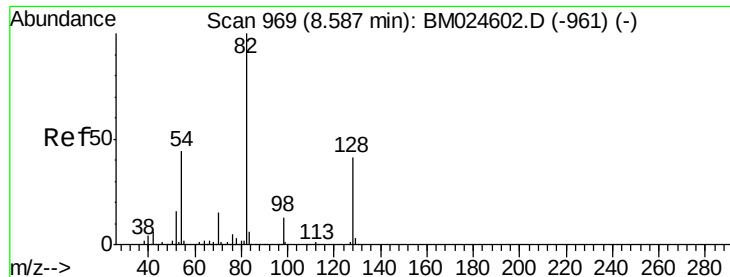
Ion 137.00 (136.70 to 137.70): BM024704.D (-1227) (-)

Ion 54.00 (53.70 to 54.70): BM024704.D (-1227) (-)

Ion 68.00 (67.70 to 68.70): BM024704.D (-1227) (-)

Time-->





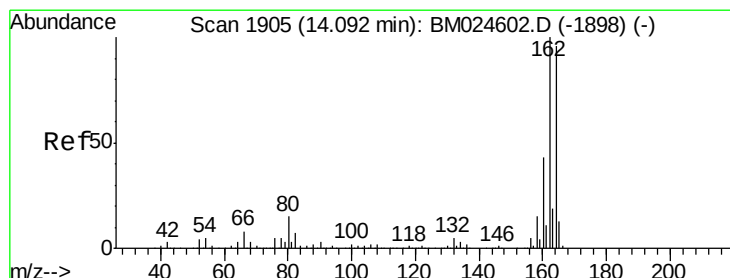
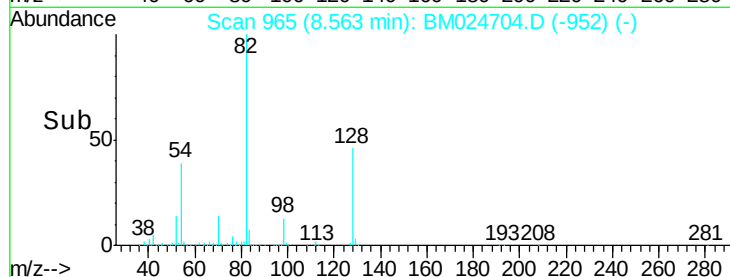
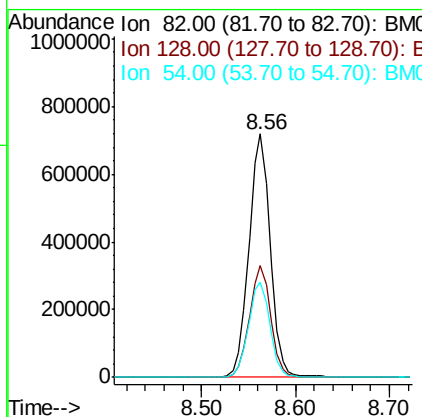
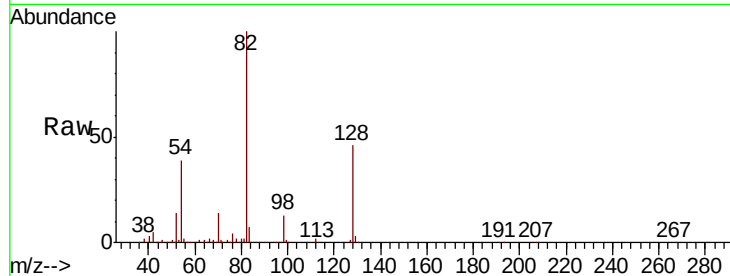
#23
Nitrobenzene-d5
Concen: 57.887 ng
RT: 8.56 min Scan# 965
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampled :
TAL-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	32.6	48.8
54	38.9	34.8	52.2

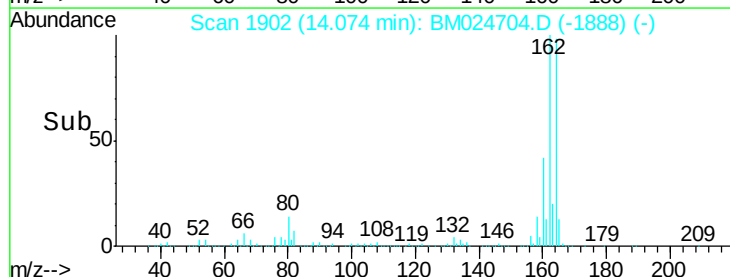
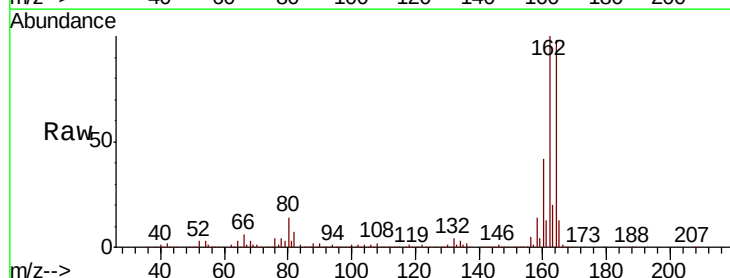
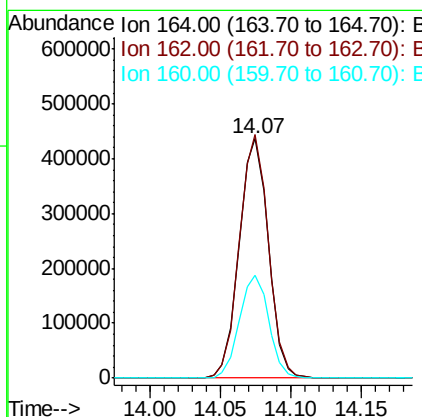
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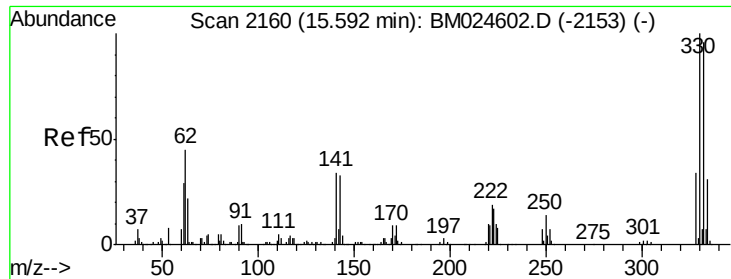
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.9	124.3
160	42.9	35.5	53.3





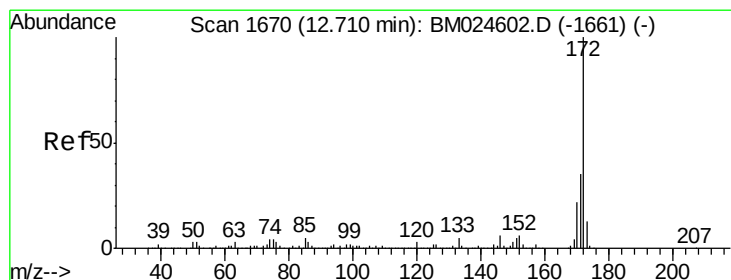
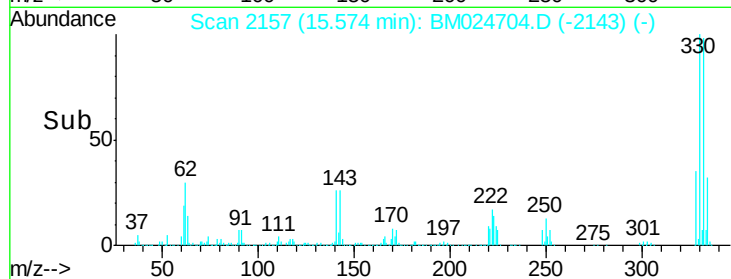
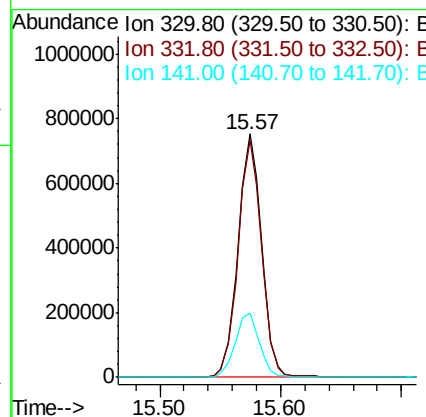
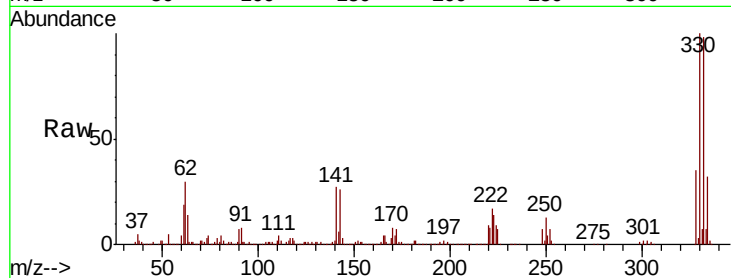
#42
 2,4,6-Tribromophenol
 Concen: 99.778 ng
 RT: 15.57 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM024704.D
 Acq: 03 Feb 2020 18:12

Instrument :
 BNA_M
 ClientSampled :
 TAL-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	26.8	26.9	40.3#

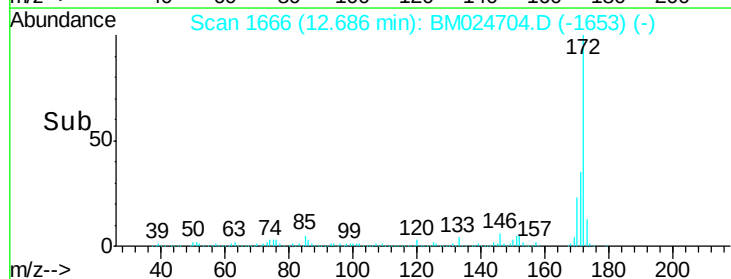
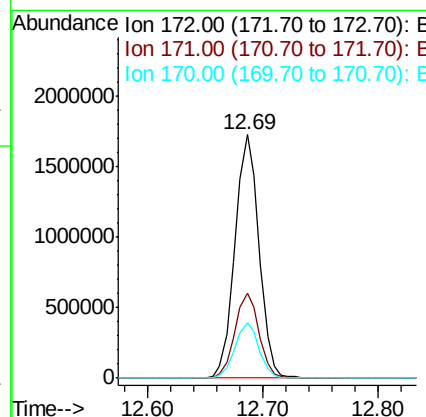
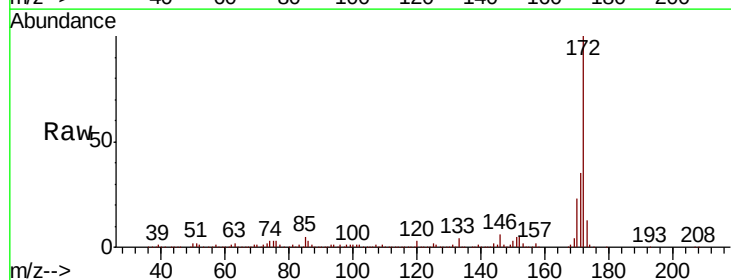
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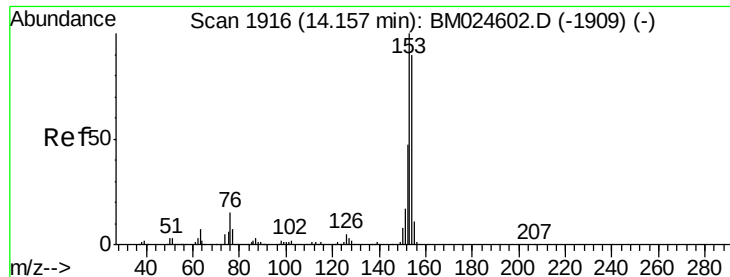
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#45
 2-Fluorobiphenyl
 Concen: 53.478 ng
 RT: 12.69 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BM024704.D
 Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.3	42.5
170	22.6	17.9	26.9





#52

Acenaphthene

Concen: 3.614 ng

RT: 14.14 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

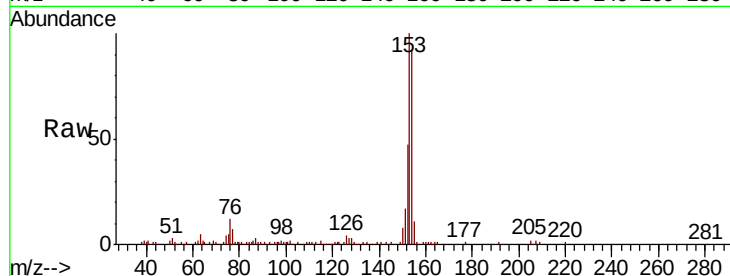
ClientSampled :

TAL-3

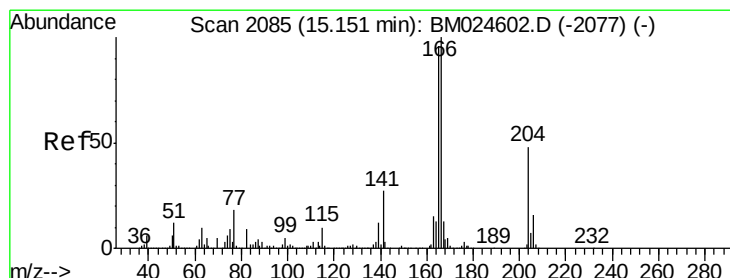
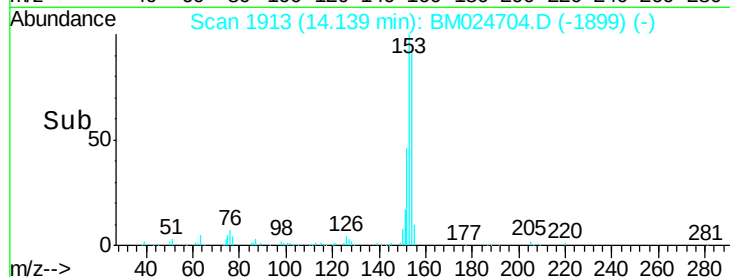
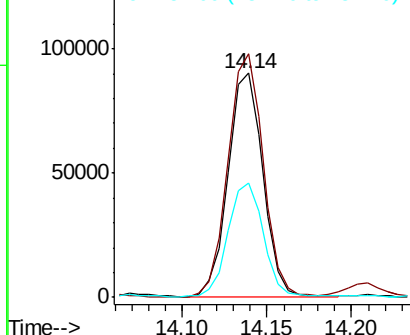
Tot Ion:	154	Resp:	130069
Ion Ratio	Lower	Upper	
154	100		
153	108.6	89.1	133.7
152	50.9	41.9	62.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.548 ng

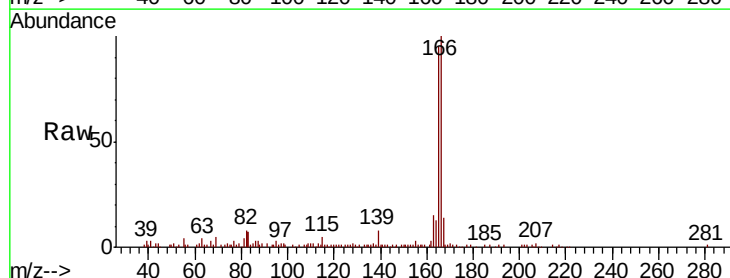
RT: 15.13 min Scan# 2082

Delta R.T. -0.02 min

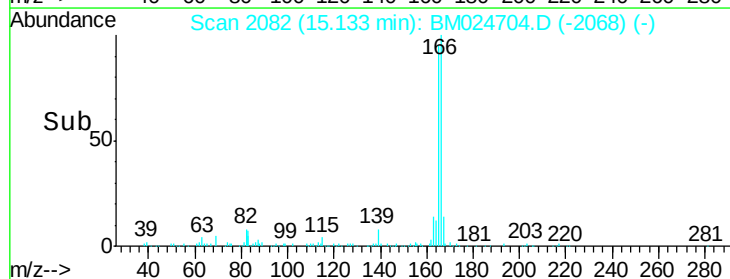
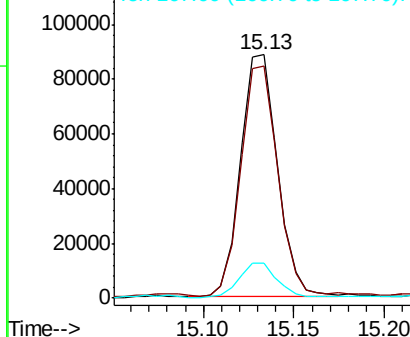
Lab File: BM024704.D

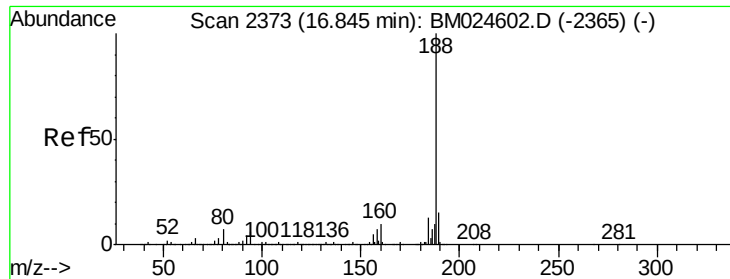
Acq: 03 Feb 2020 18:12

Tgt Ion:	166	Resp:	125691
Ion Ratio	Lower	Upper	
166	100		
165	95.4	76.6	114.8
167	14.3	10.8	16.2



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





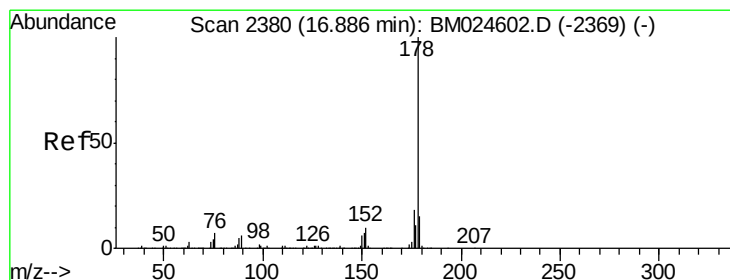
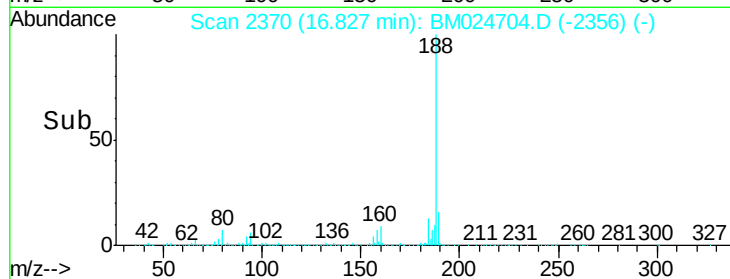
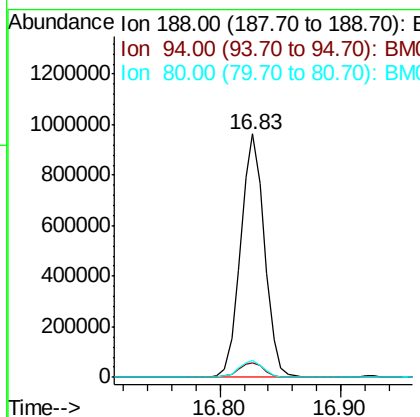
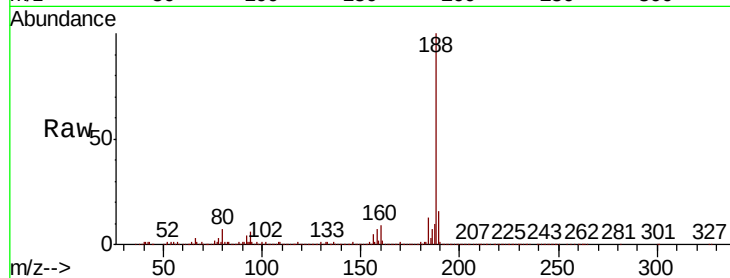
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampleId :
TAL-3

Tot Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.0	7.6
80	7.2	5.8	8.8

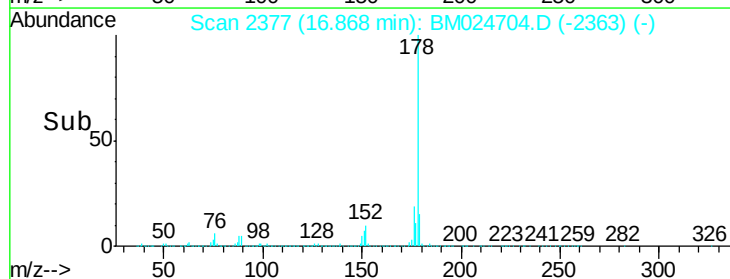
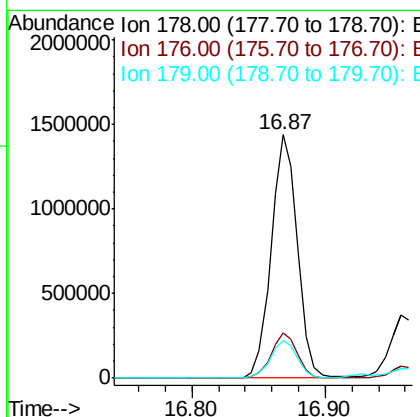
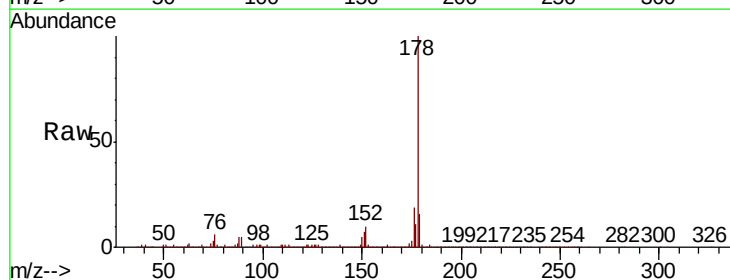
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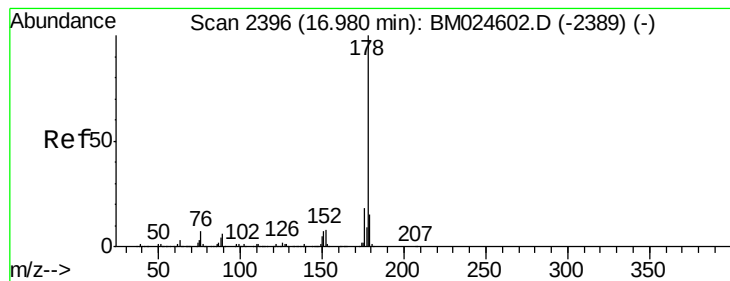
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#71
Phenanthrene
Concen: 27.204 ng
RT: 16.87 min Scan# 2377
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.5	21.7
179	15.6	11.9	17.9





#72

Anthracene

Concen: 7.174 ng

RT: 16.96 min Scan# 2392

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

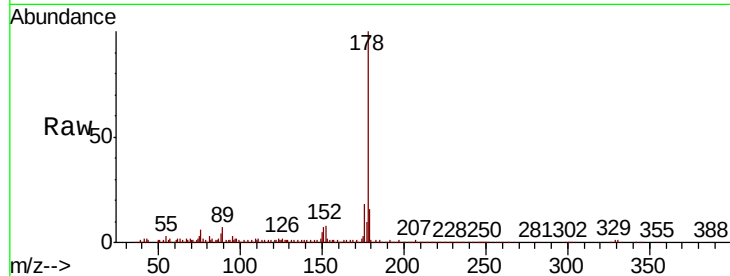
ClientSampled :

TAL-3

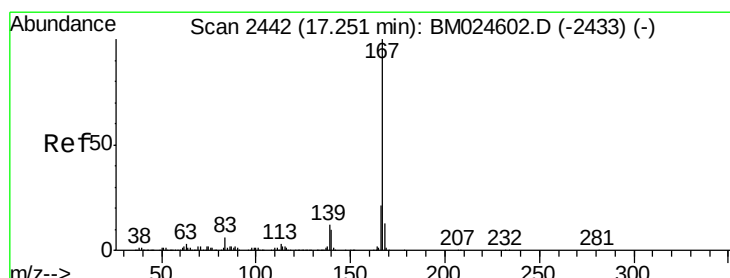
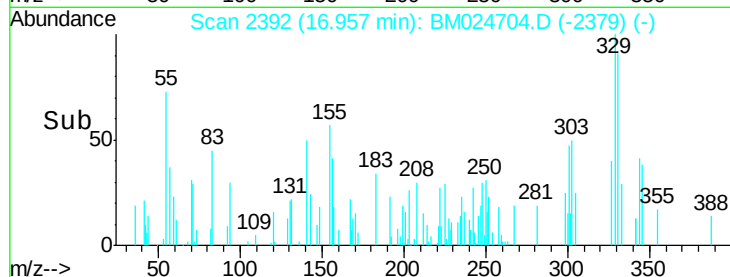
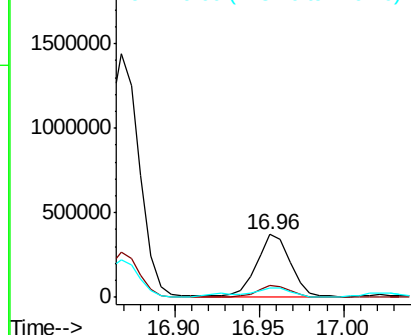
Tot Ion:178	Resp:	504652
Ion Ratio	Lower	Upper
178	100	
176	18.2	14.3 21.5
179	15.6	12.1 18.1

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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: 3.970 ng

RT: 17.23 min Scan# 2439

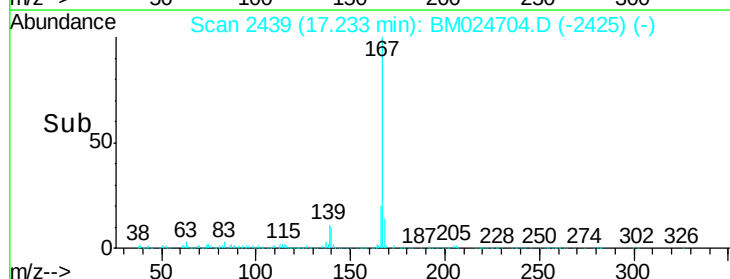
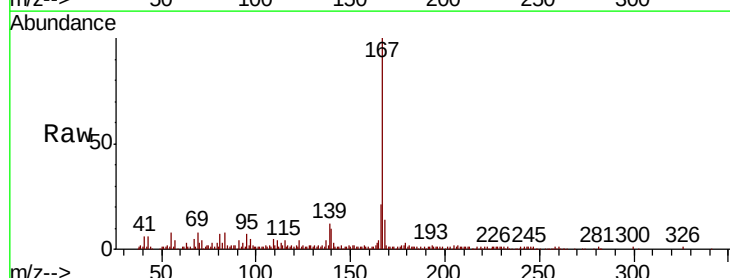
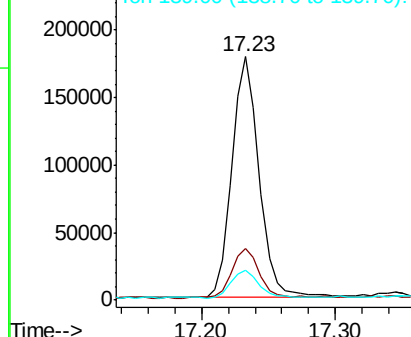
Delta R.T. -0.02 min

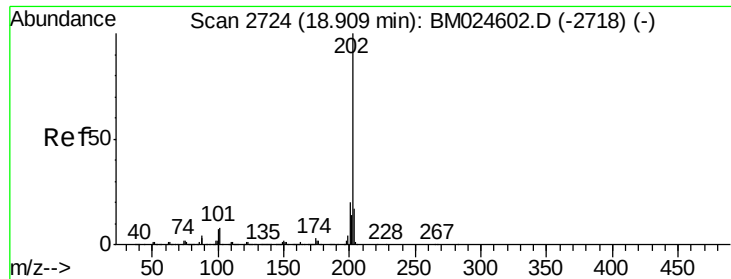
Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Tgt Ion:167	Resp:	254202
Ion Ratio	Lower	Upper
167	100	
166	21.0	17.1 25.7
139	12.0	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





#75

Fluoranthene

Concen: 39.486 ng

RT: 18.90 min Scan# 2722

Delta R.T. -0.01 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

ClientSampled :

TAL-3

Tot Ion:202 Resp: 3542855

Ion Ratio Lower Upper

202 100

101 7.3 0.0 28.4

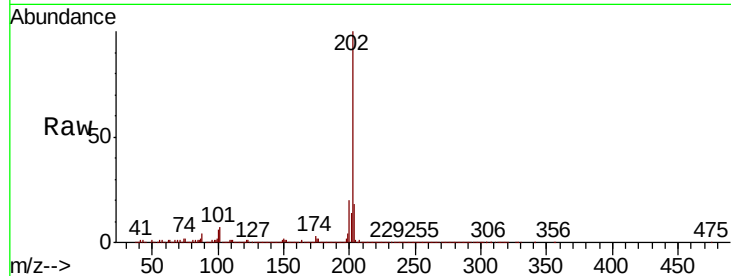
203 17.7 0.0 37.5

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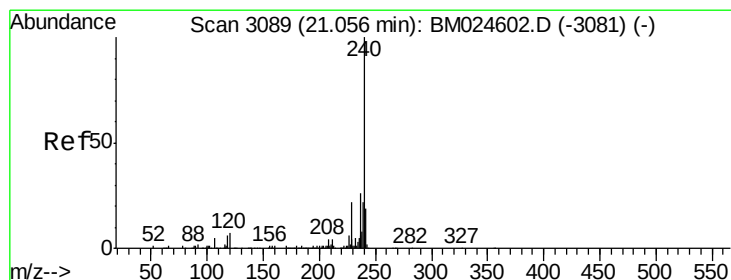
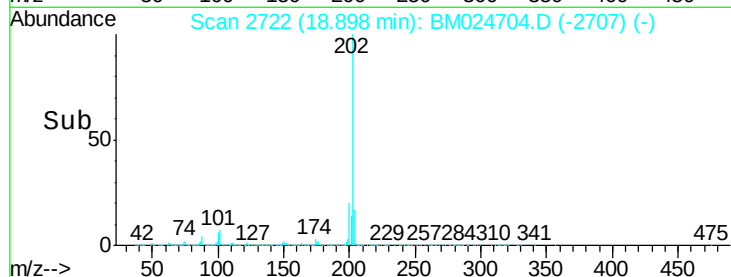
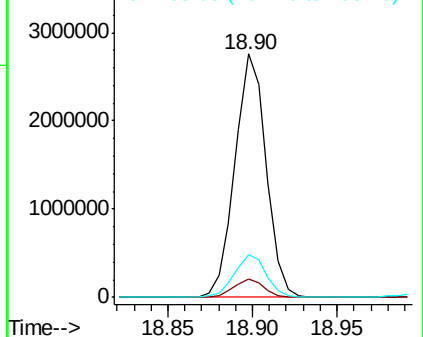
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.04 min Scan# 3086

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

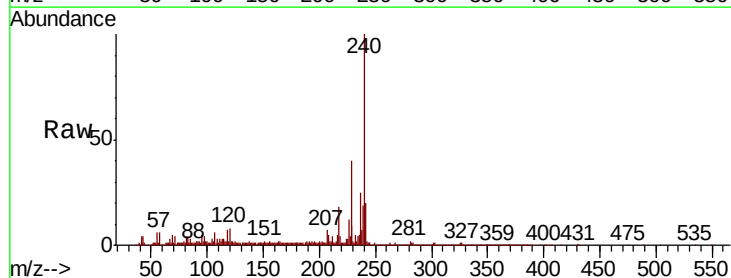
Tgt Ion:240 Resp: 1289226

Ion Ratio Lower Upper

240 100

120 7.5 5.3 7.9

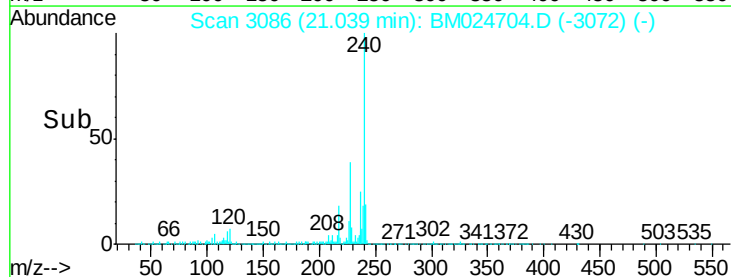
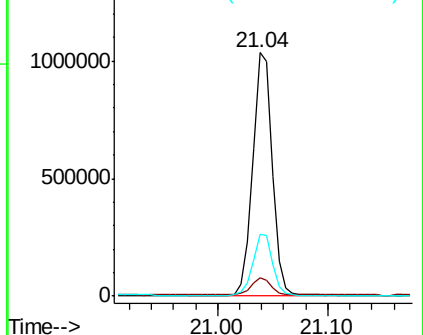
236 25.2 20.6 31.0

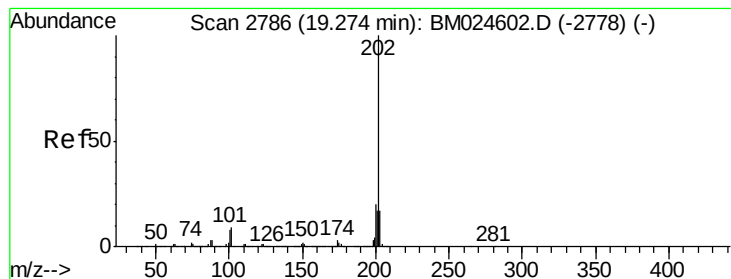


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 34.204 ng

RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

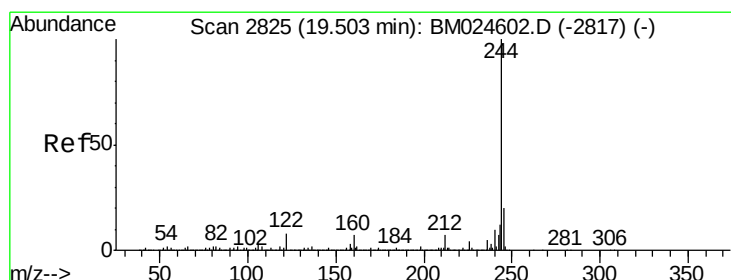
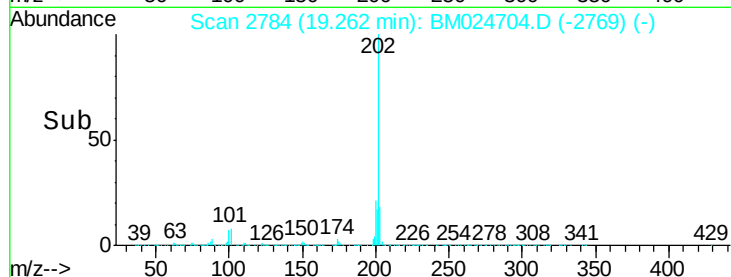
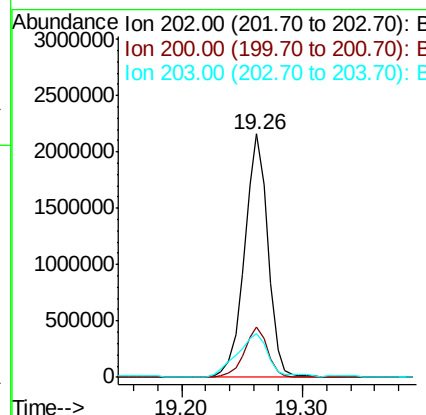
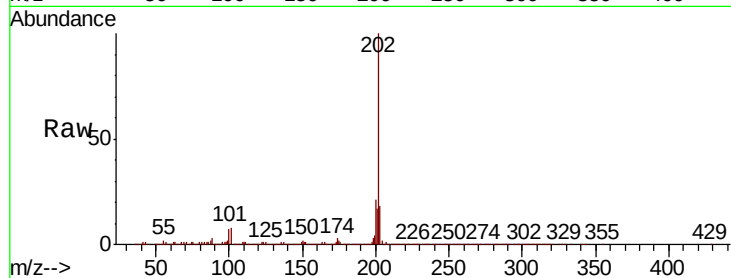
ClientSampled :

TAL-3

Tot Ion:	202	Resp:	2907015
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	18.2	14.0	21.0

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#79

Terphenyl-d14

Concen: 56.133 ng

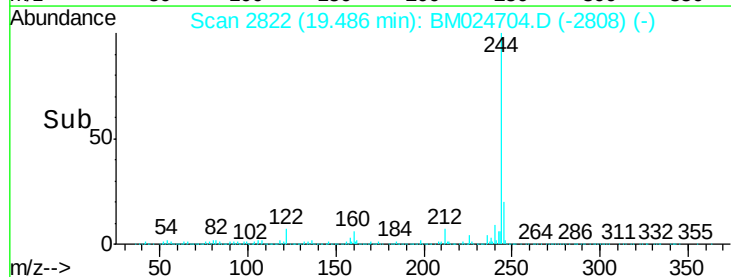
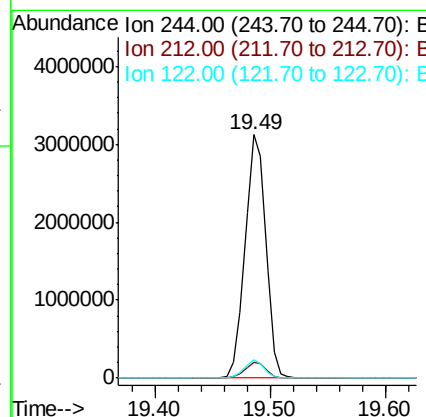
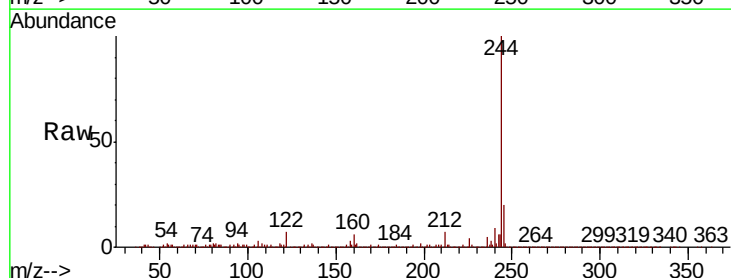
RT: 19.49 min Scan# 2822

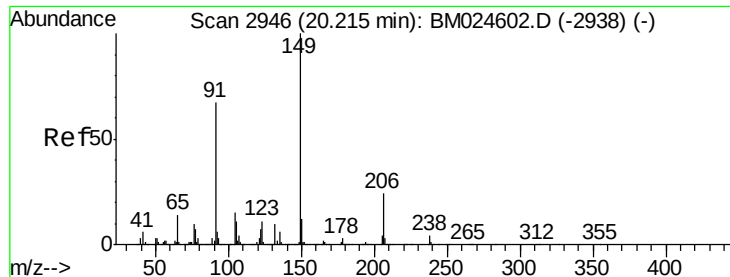
Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Tgt Ion:	244	Resp:	3876347
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	7.4	6.2	9.4





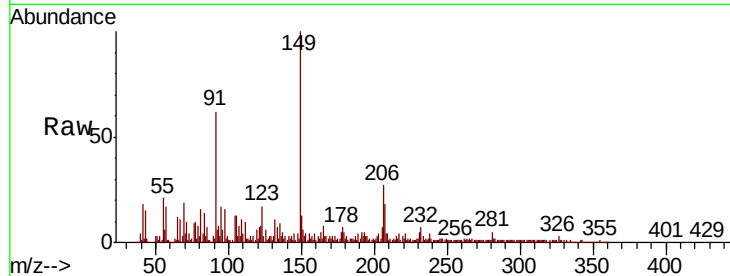
#80
Butylbenzylphthalate
Concen: 7.189 ng
RT: 20.20 min Scan# 2944
Delta R.T. -0.01 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampleId :
TAL-3

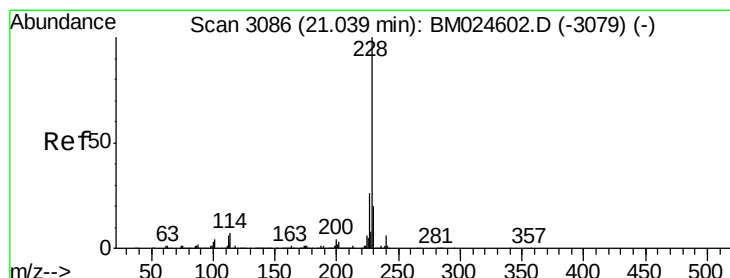
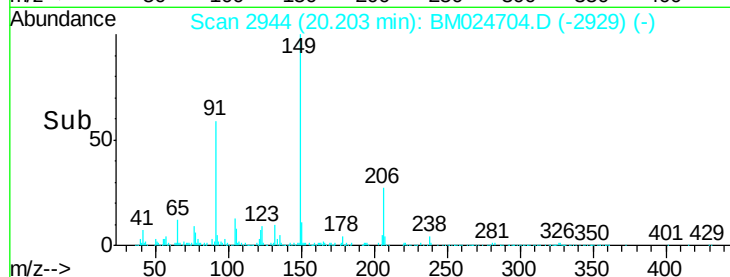
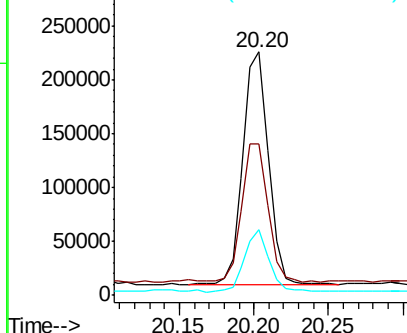
Tot Ion:	149	Resp:	256367
Ion Ratio	Lower	Upper	
149	100		
91	62.1	53.9	80.9
206	27.2	19.0	28.6

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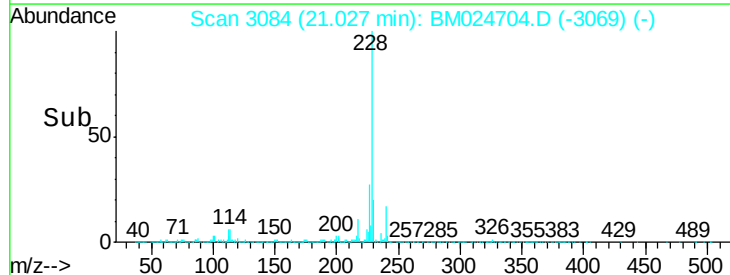
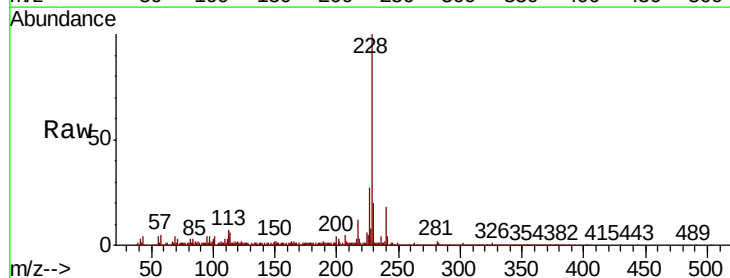
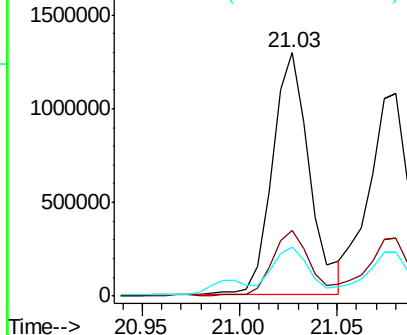
Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BM
Ion 206.00 (205.70 to 206.70): E

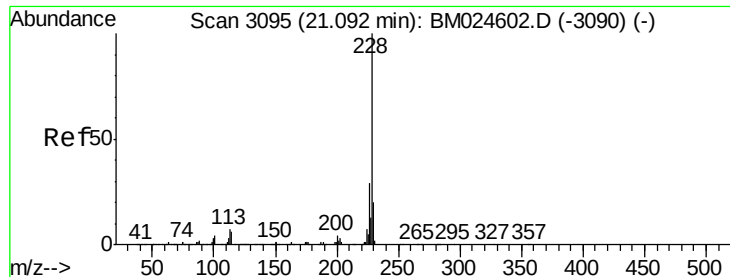


#81
Benzo(a)anthracene
Concen: 19.093 ng
RT: 21.03 min Scan# 3084
Delta R.T. -0.01 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion:	228	Resp:	1708431
Ion Ratio	Lower	Upper	
228	100		
226	27.0	21.1	31.7
229	20.4	15.8	23.6

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: 17.674 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

Instrument :

BNA_M

ClientSampleId :

TAL-3

Tot Ion:228 Resp: 1509052

Ion Ratio Lower Upper

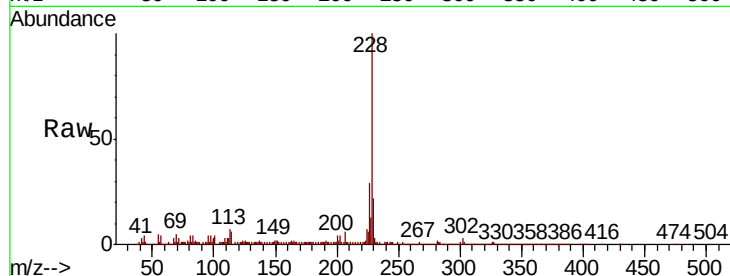
228 100

226 28.8 23.2 34.8

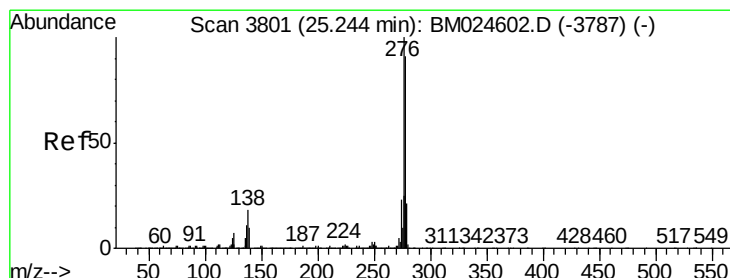
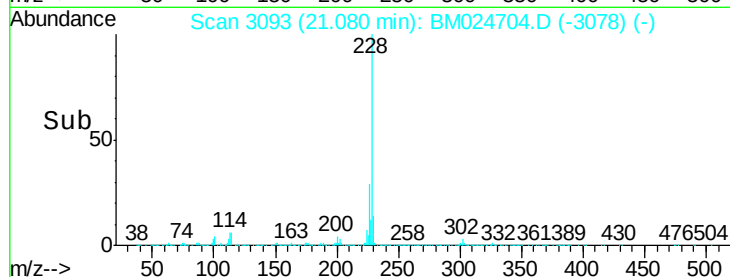
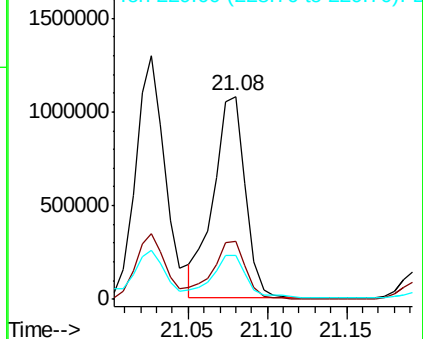
229 21.9 15.7 23.5

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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

Indeno(1,2,3-cd)pyrene

Concen: 10.543 ng

RT: 25.22 min Scan# 3797

Delta R.T. -0.02 min

Lab File: BM024704.D

Acq: 03 Feb 2020 18:12

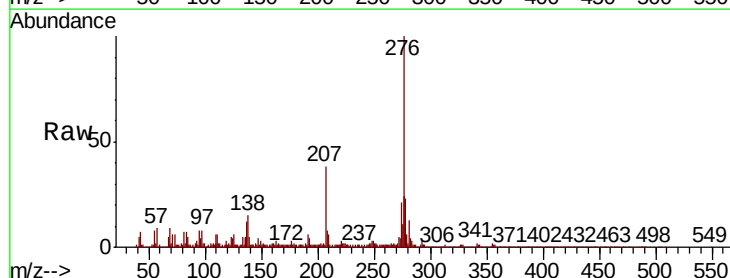
Tgt Ion:276 Resp: 981186

Ion Ratio Lower Upper

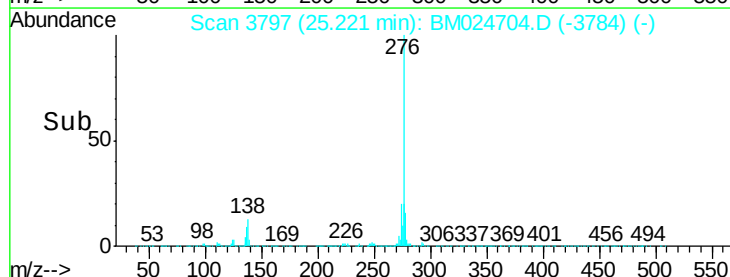
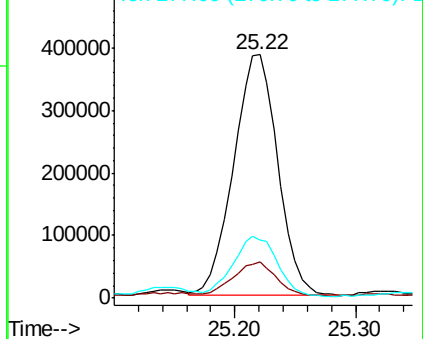
276 100

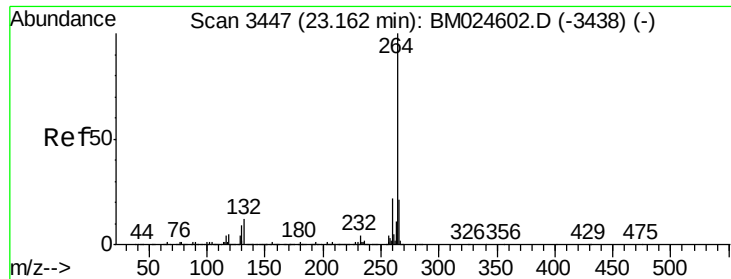
138 13.8 13.4 20.0

277 24.6 19.6 29.4



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





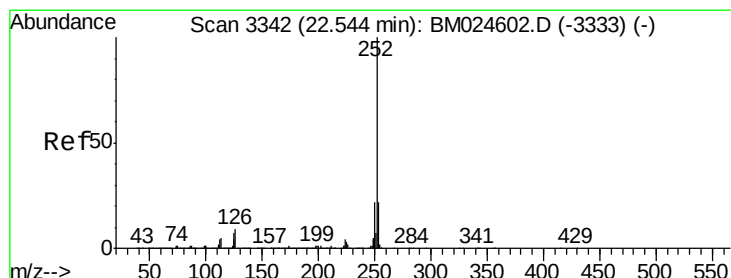
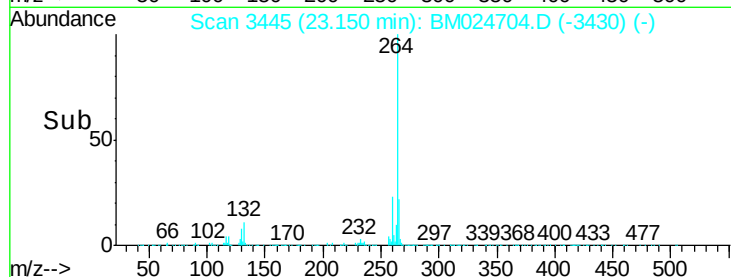
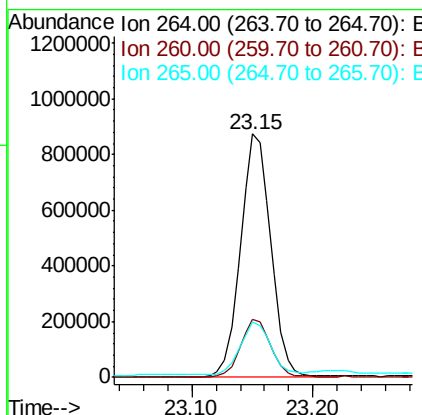
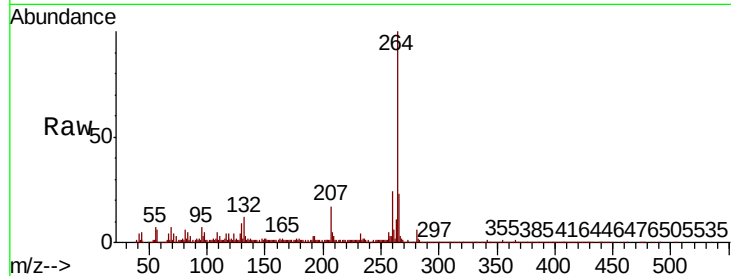
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampled :
TAL-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.9	26.9
265	22.7	17.3	25.9

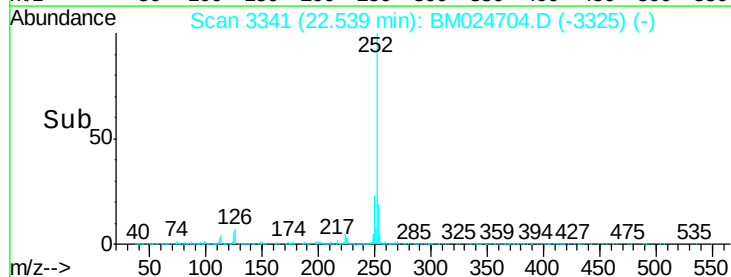
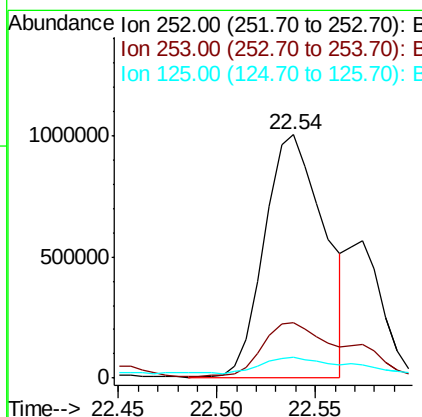
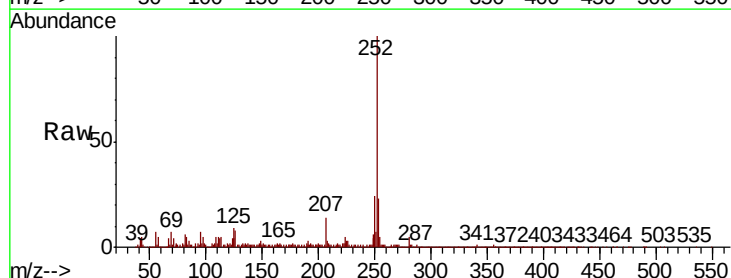
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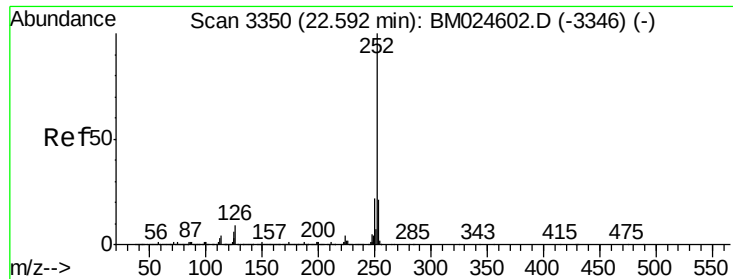
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#88
Benzo(b)fluoranthene
Concen: 21.377 ng m
RT: 22.54 min Scan# 3341
Delta R.T. -0.01 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	8.6	5.7	8.5#





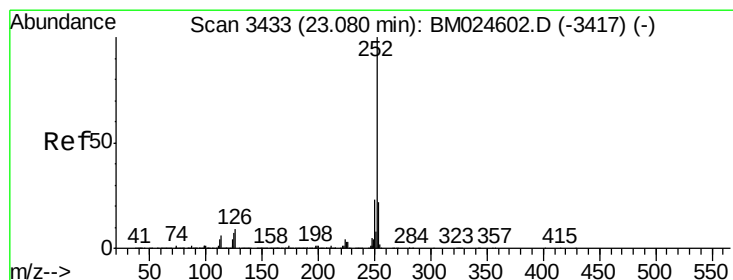
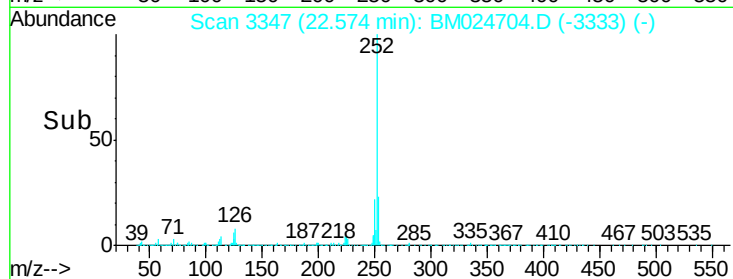
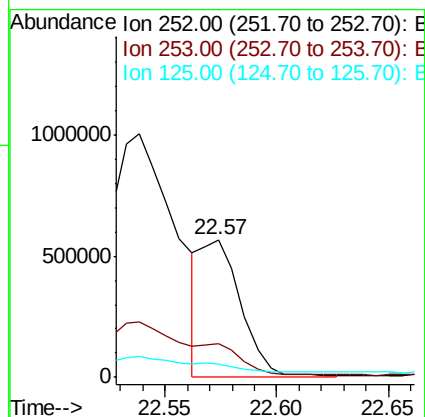
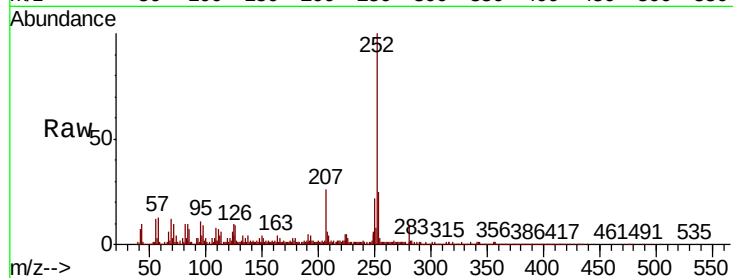
#89
Benzo(k)fluoranthene
Concen: 7.363 ng m
RT: 22.57 min Scan# 3347
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampleId :
TAL-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.3	25.9
125	9.8	5.2	7.8

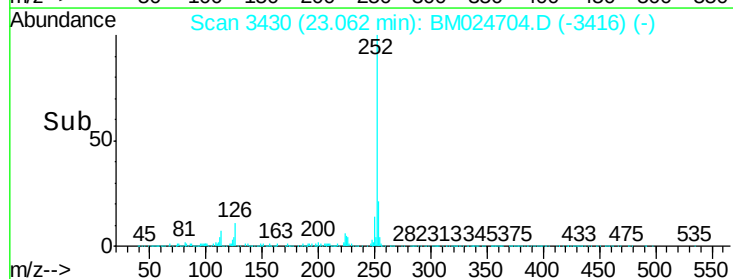
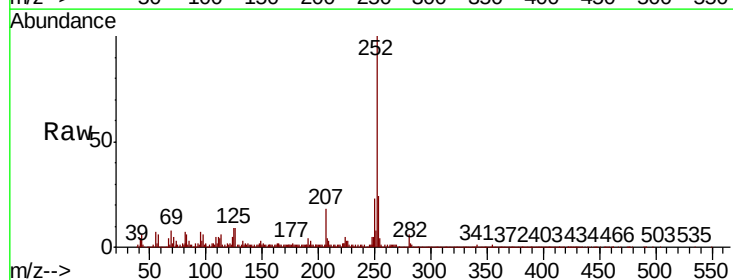
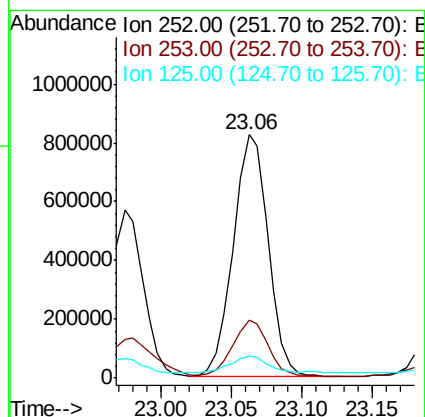
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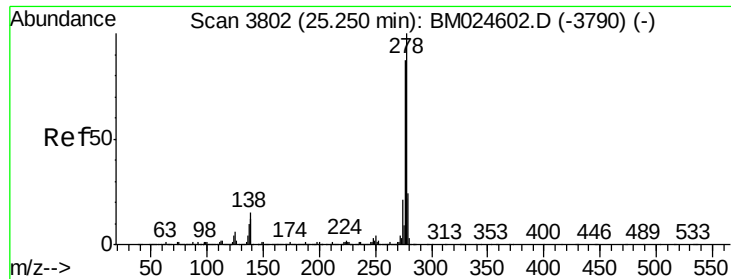
mohammad
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#90
Benzo(a)pyrene
Concen: 15.768 ng
RT: 23.06 min Scan# 3430
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.3	25.9
125	8.9	5.8	8.8





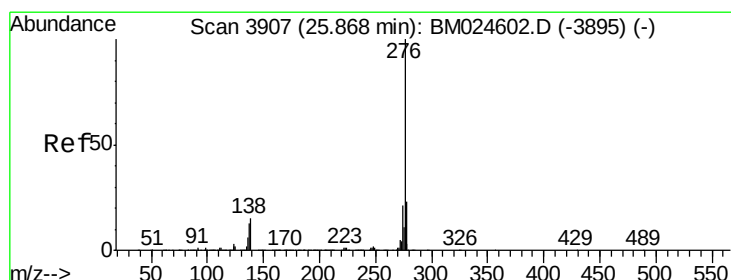
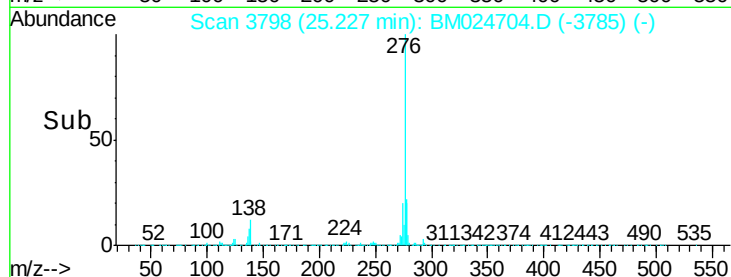
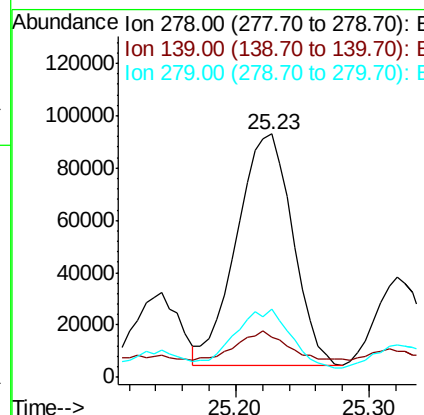
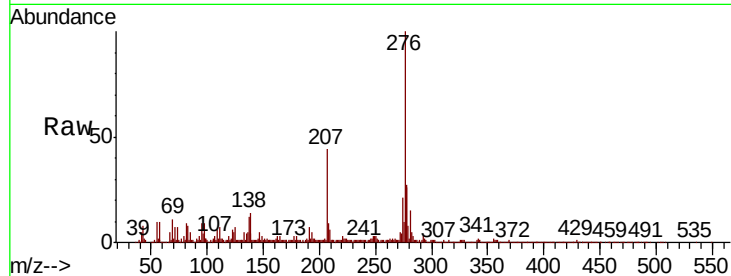
#91
Dibenzo(a,h)anthracene
Concen: 3.007 ng
RT: 25.23 min Scan# 3798
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Instrument :
BNA_M
ClientSampleId :
TAL-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	9.3	13.9#
279	28.0	18.9	28.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 11.957 ng
RT: 25.84 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BM024704.D
Acq: 03 Feb 2020 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	13.4	11.9	17.9

