

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022452.D
 Acq On : 30 Aug 2019 21:57
 Operator : HP/JU
 Sample : K4543-03DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-2-SDL

Manual Integrations
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Quant Time: Aug 31 01:04:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16544	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	58199	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	35525	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	82624	20.00	ng	0.00
76) Chrysene-d12	21.16	240	131347	20.00	ng	-0.01
87) Perylene-d12	23.35	264	170789	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	42436	45.02	ng	0.00
7) Phenol-d6	6.72	99	52108	41.34	ng	0.00
23) Nitrobenzene-d5	8.70	82	35154	26.46	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	23100	31.78	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	64934	20.71	ng	0.00
79) Terphenyl-d14	19.59	244	141454	14.21	ng	-0.01
Target Compounds						
10) Phenol	6.75	94	3214	2.538	ng	# 73
50) Dimethylphthalate	13.66	163	11004	3.561	ng	# 97
52) Acenaphthene	14.25	154	7424	3.559	ng	96
55) Dibenzofuran	14.60	168	7255	2.064	ng	95
58) Fluorene	15.25	166	11315	3.604	ng	96
71) Phenanthrene	16.99	178	194637	40.414	ng	98
72) Anthracene	17.09	178	42814	9.035	ng	96
75) Fluoranthene	19.02	202	341353	53.223	ng	99
78) Pyrene	19.39	202	276614	30.902	ng	100
81) Benzo(a)anthracene	21.14	228	163714	17.365	ng	100
83) Chrysene	21.20	228	139081	15.499	ng	97
86) Indeno(1,2,3-cd)pyrene	25.53	276	92491	10.247	ng	99
88) Benzo(b)fluoranthene	22.70	252	189983	16.012	ng	# 99
89) Benzo(k)fluoranthene	22.74	252	63988m	5.436	ng	
90) Benzo(a)pyrene	23.26	252	136443	12.956	ng	# 98
91) Dibenzo(a,h)anthracene	25.53	278	25671	2.445	ng	# 82
92) Benzo(a,h,i)perylene	26.20	276	88285	9.646	ng	100

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

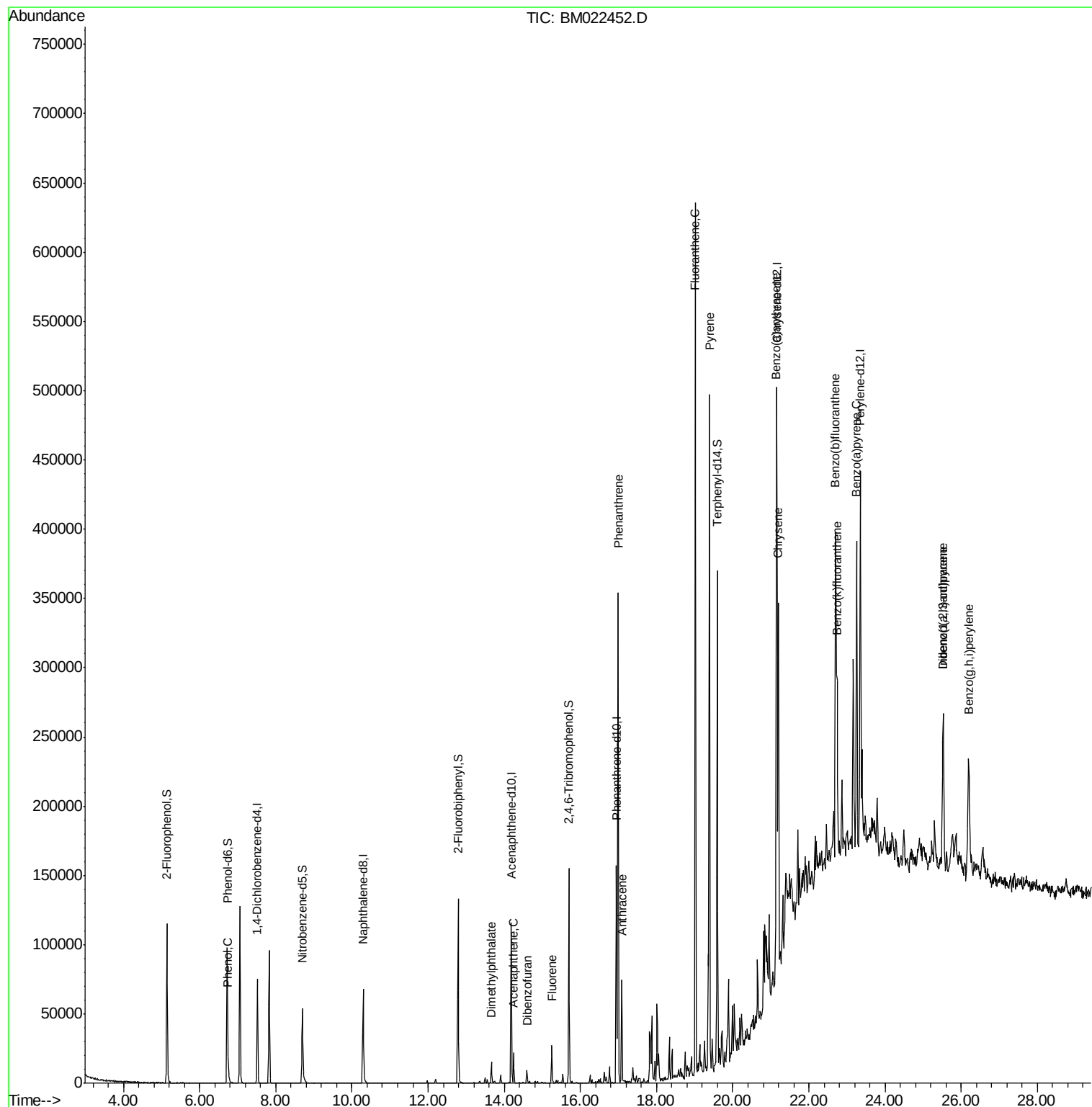
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
Data File : BM022452.D
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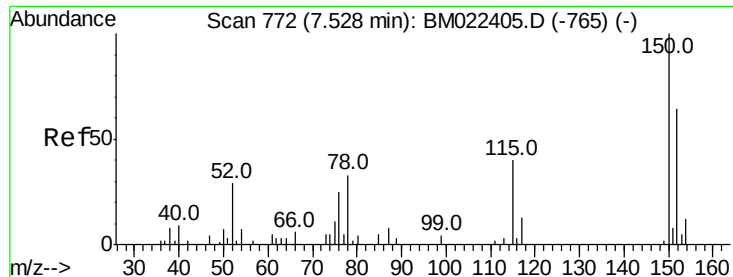
Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

Quant Time: Aug 31 01:04:06 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 16:51:32 2019
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#1

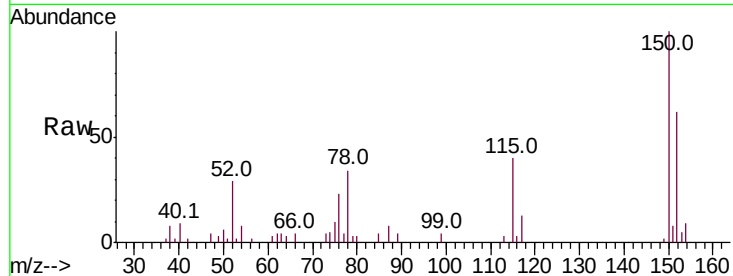
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	125.4	188.0
115	65.3	50.3	75.5

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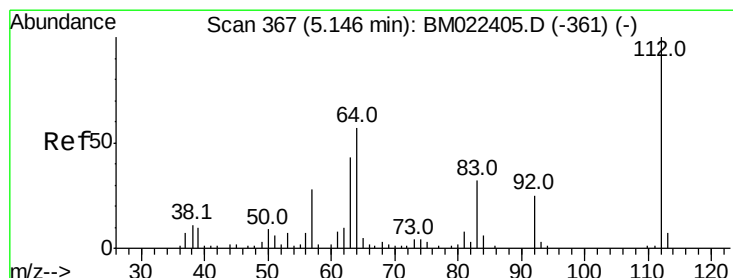
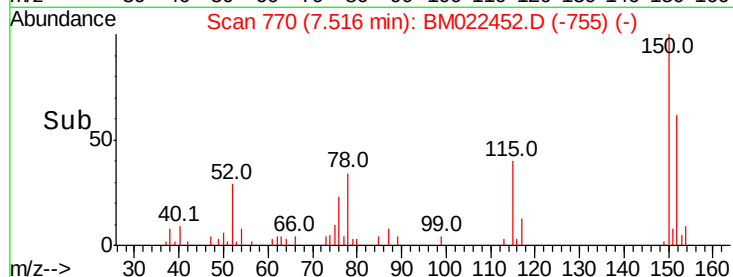
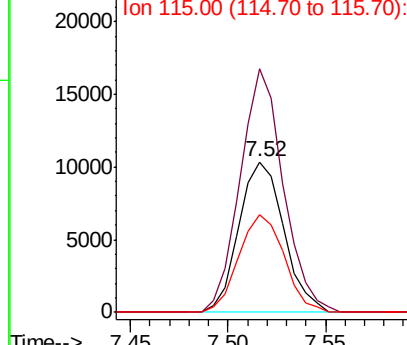


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

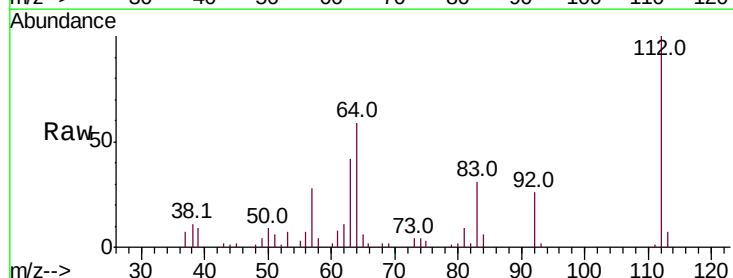
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.025 ng
RT: 5.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	45.4	68.2
63	42.4	34.5	51.7

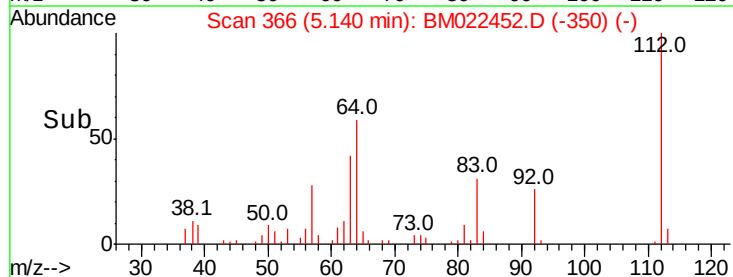
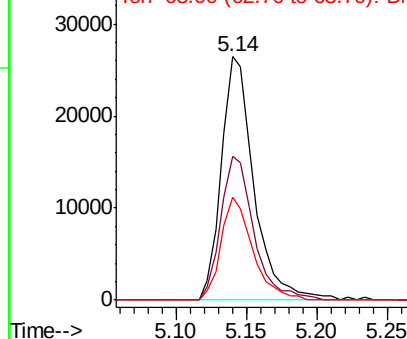


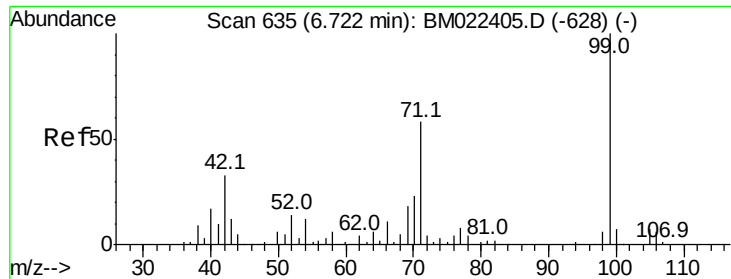
Abundance

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: 41.343 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Instrument :

BNA_M

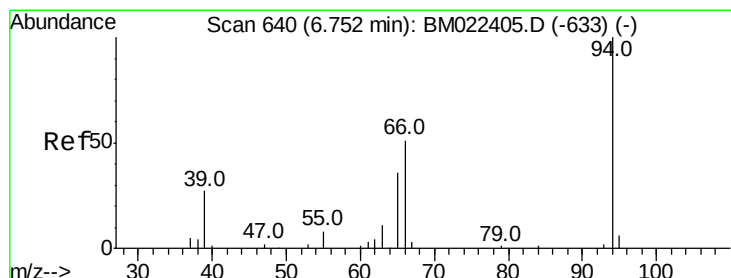
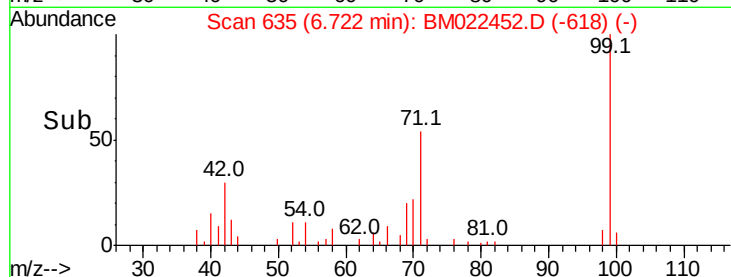
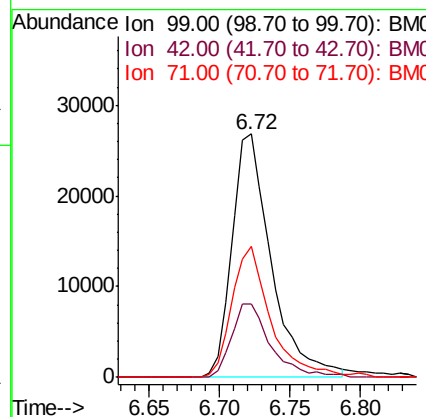
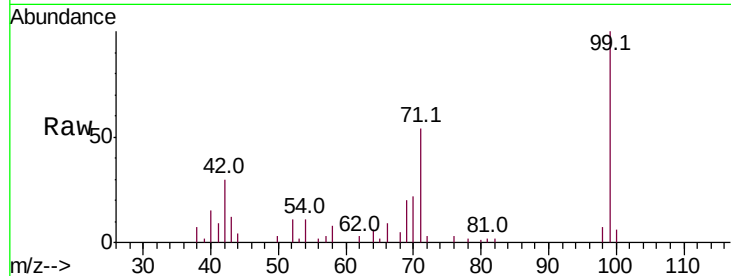
ClientSampled :

TP-2-SDL

Tot Ion:	99	Resp:	52108
Ion Ratio	Lower	Upper	
99	100		
42	29.9	26.3	39.5
71	53.7	46.6	69.8

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#10

Phenol

Concen: 2.538 ng

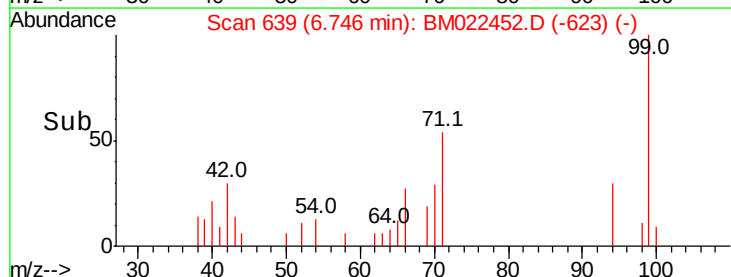
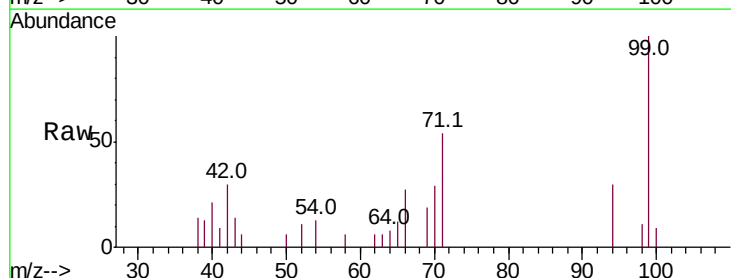
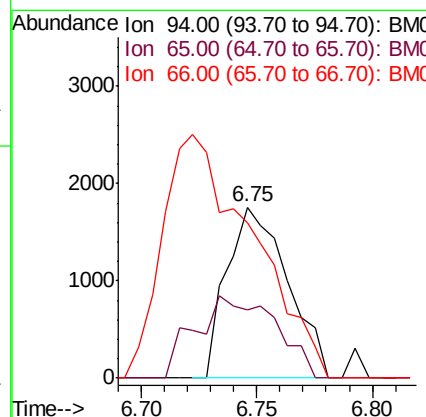
RT: 6.75 min Scan# 639

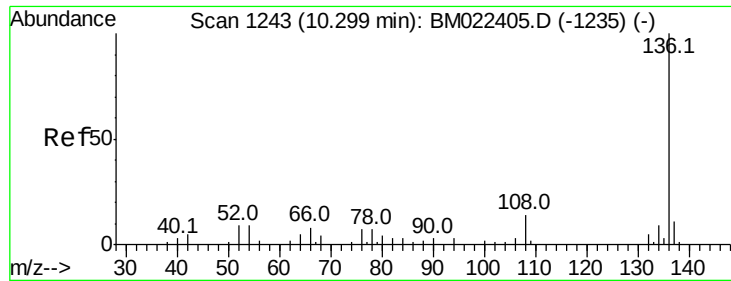
Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Tgt Ion:	94	Resp:	3214
Ion Ratio	Lower	Upper	
94	100		
65	39.8	17.7	57.7
66	90.9	39.6	79.6#





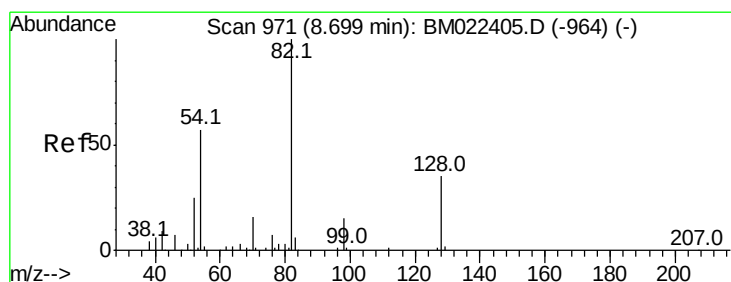
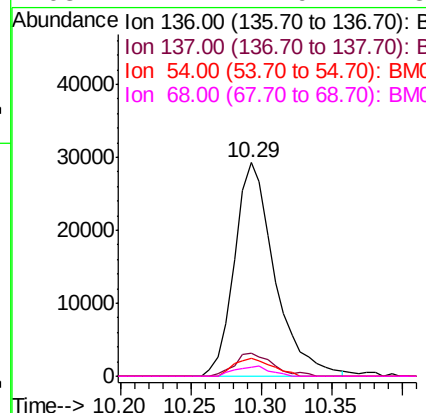
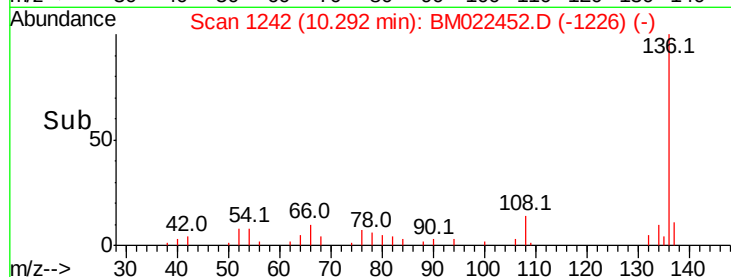
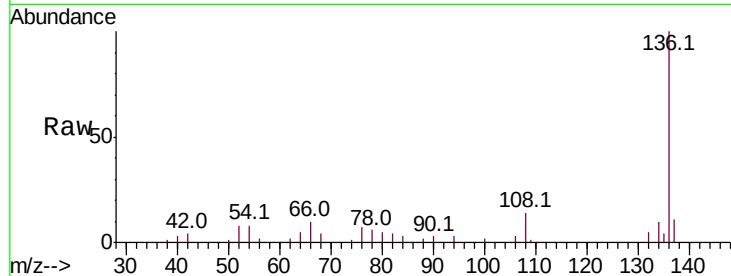
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.5	8.6	13.0	
54	8.4	7.0	10.6	
68	4.1	2.9	4.3	

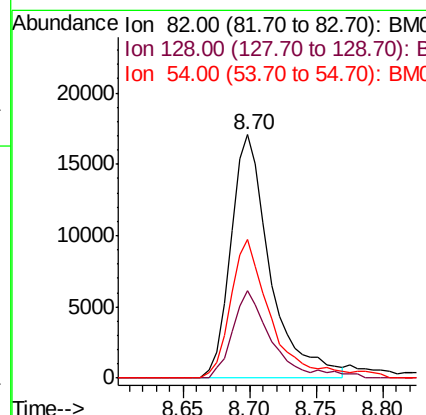
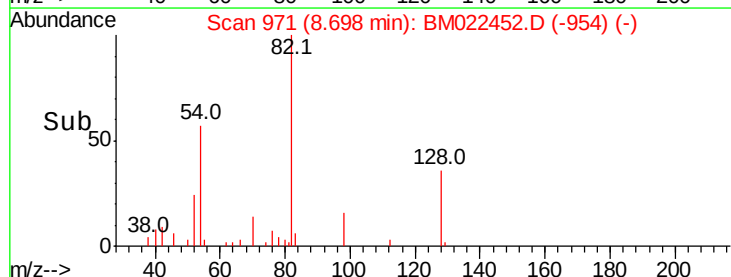
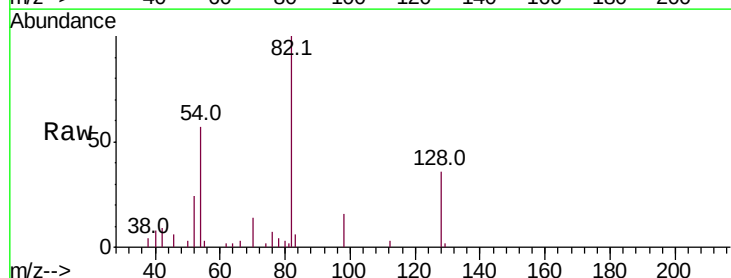
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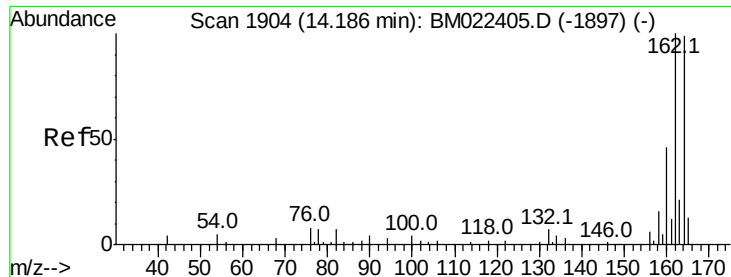
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#23
Nitrobenzene-d5
Concen: 26.457 ng
RT: 8.70 min Scan# 971
Delta R.T. -0.00 min
Lab File: BM022452.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.8	27.9	41.9	
54	57.2	45.2	67.8	





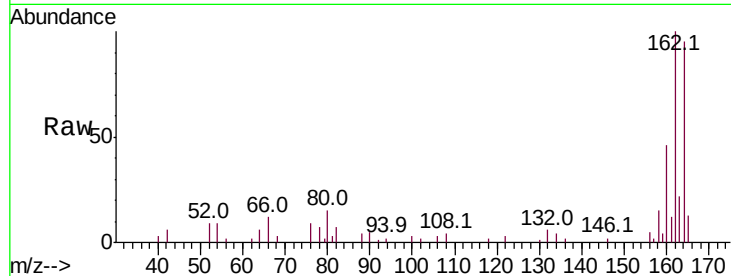
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

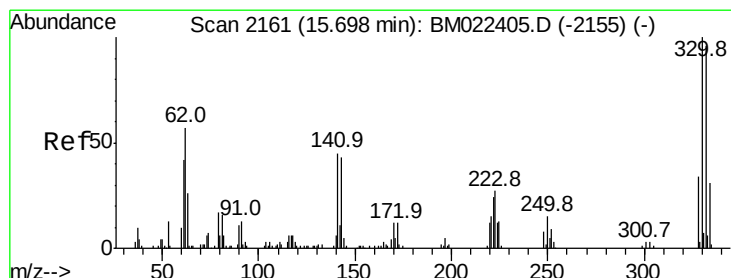
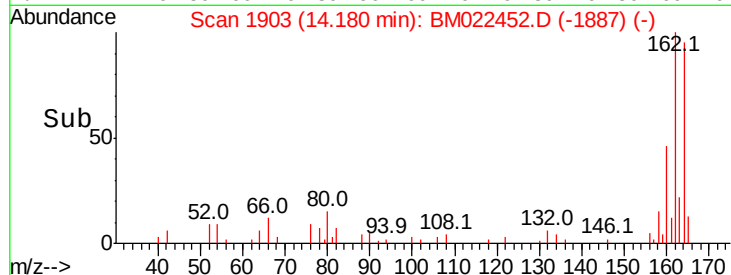
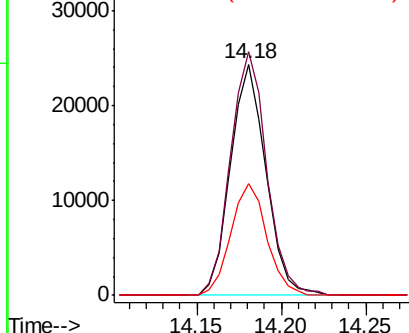
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.5	80.6	121.0	
160	48.6	37.3	55.9	

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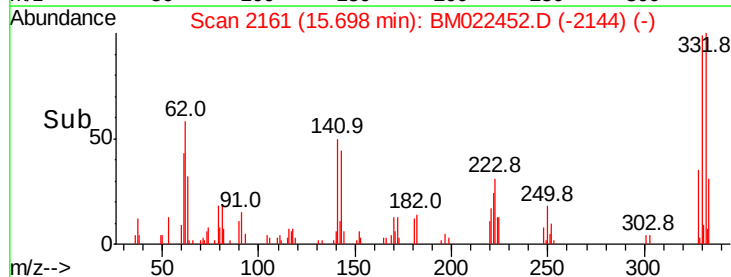
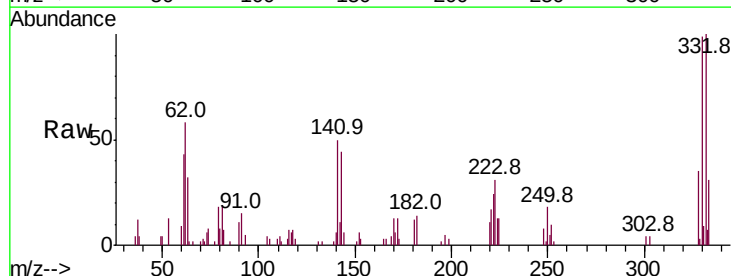
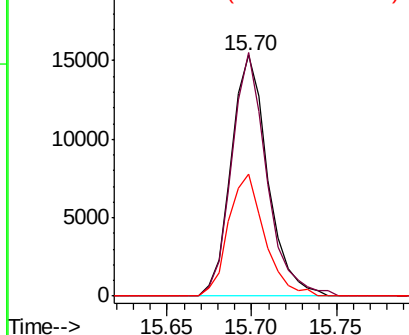
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

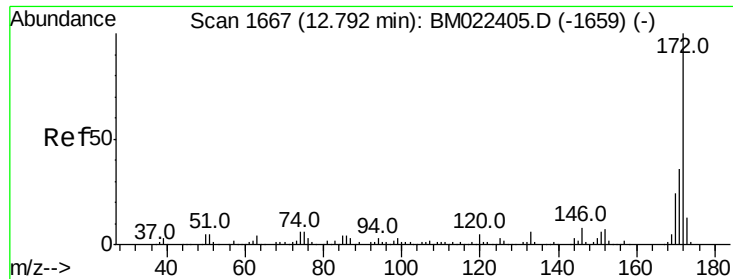


#42
2,4,6-Tribromophenol
Concen: 31.777 ng
RT: 15.70 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	77.8	116.8	
141	50.1	35.6	53.4	

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





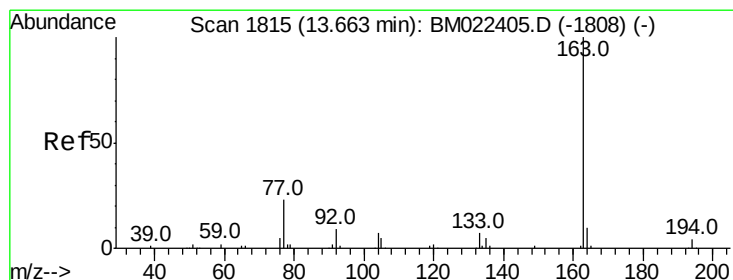
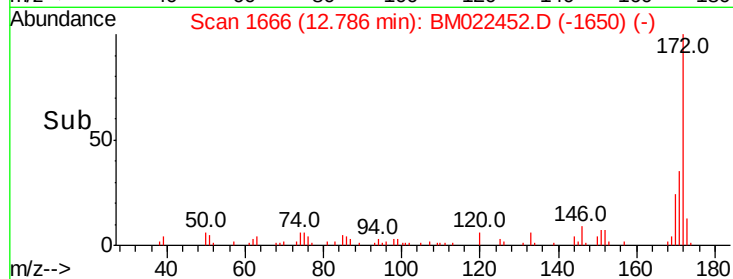
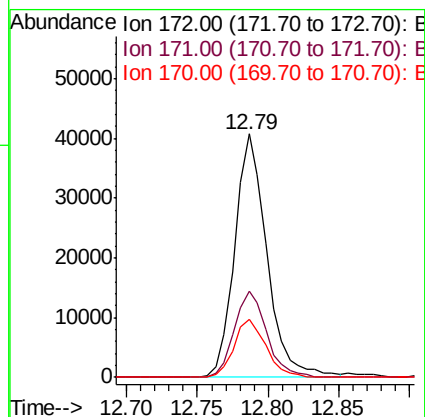
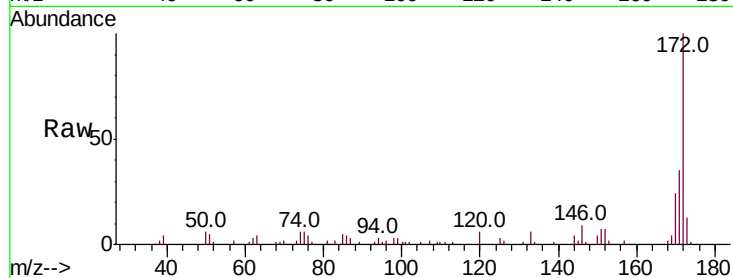
#45
 2-Fluorobiphenyl
 Concen: 20.707 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Instrument :
 BNA_M
 ClientSampled :
 TP-2-SDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.9	18.9	28.3

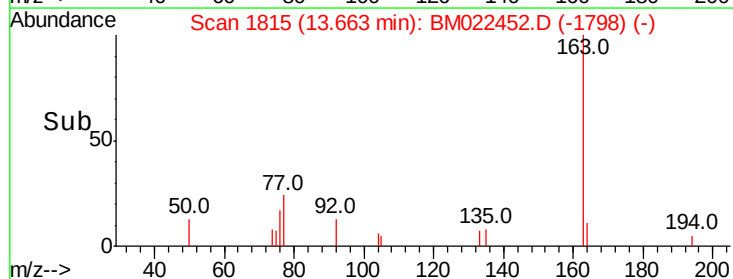
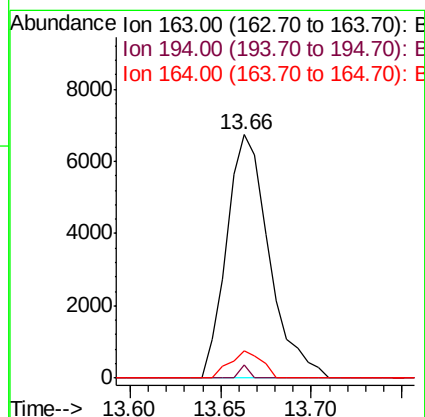
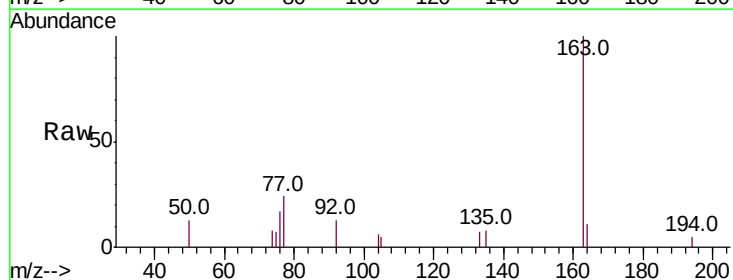
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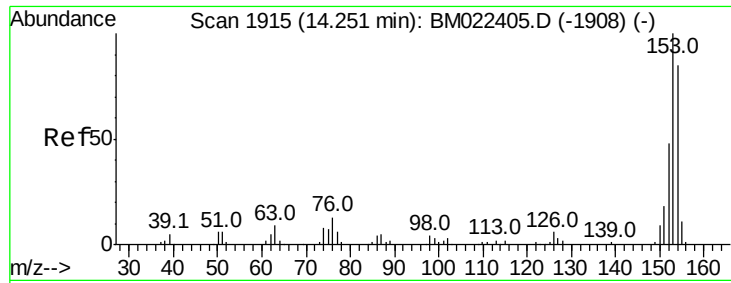
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#50
 Dimethylphthalate
 Concen: 3.561 ng
 RT: 13.66 min Scan# 1815
 Delta R.T. -0.00 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.4	5.2#
164	11.5	8.2	12.2





#52

Acenaphthene

Concen: 3.559 ng

RT: 14.25 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Instrument :

BNA_M

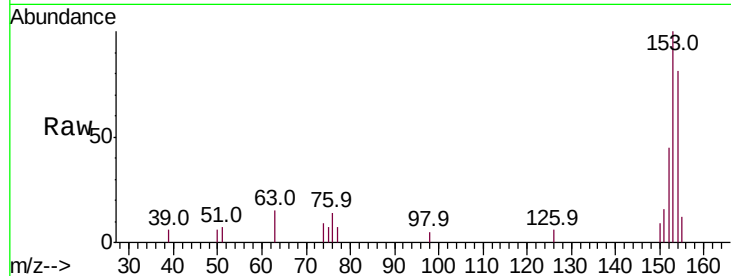
ClientSampleId :

TP-2-SDL

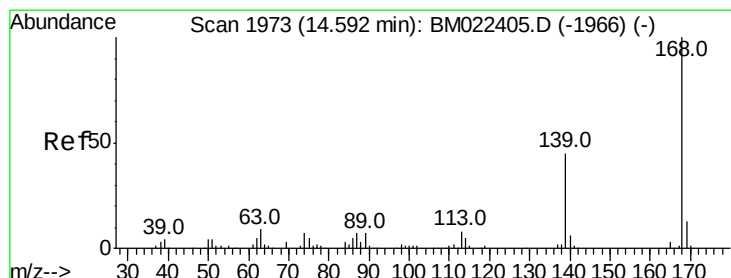
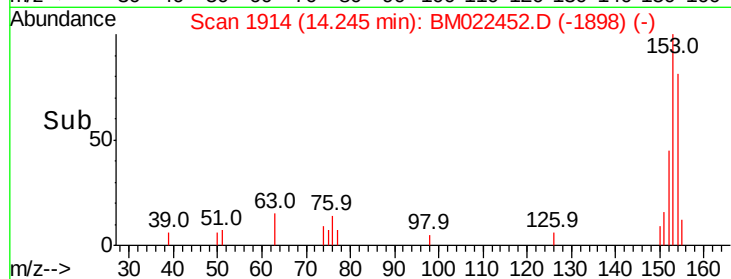
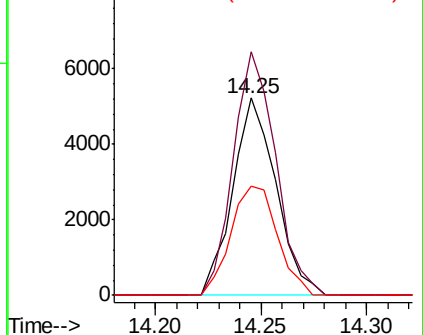
Tot Ion:154	Resp:	7424
Ion Ratio	Lower	Upper
154	100	
153	123.5	94.3 141.5
152	55.5	45.4 68.2

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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



#55

Dibenzofuran

Concen: 2.064 ng

RT: 14.60 min Scan# 1974

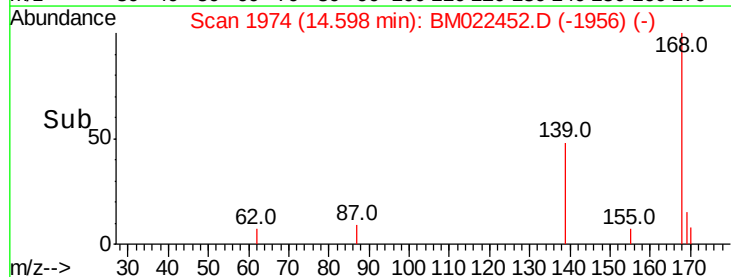
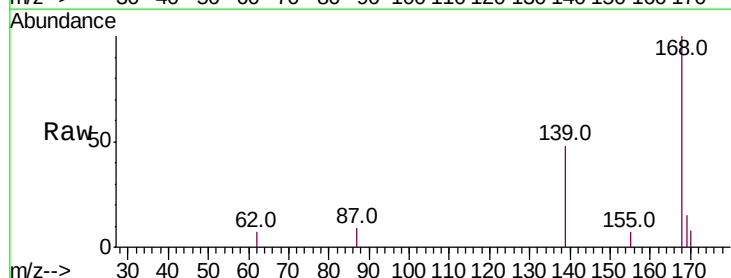
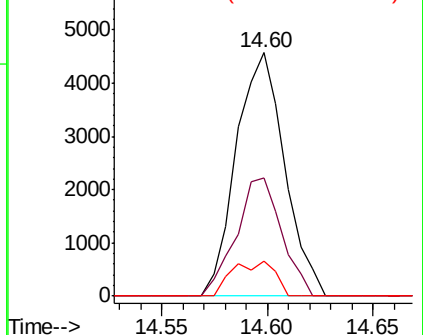
Delta R.T. 0.01 min

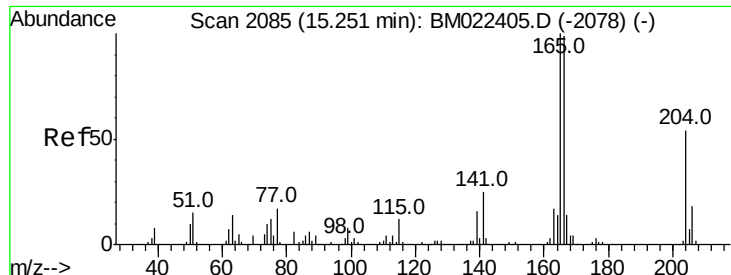
Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Tgt Ion:168	Resp:	7255
Ion Ratio	Lower	Upper
168	100	
139	48.3	36.1 54.1
169	14.5	10.4 15.6

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





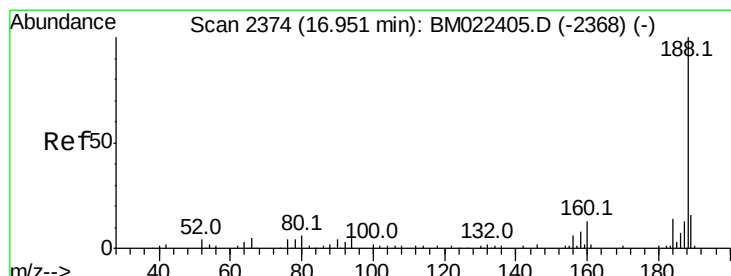
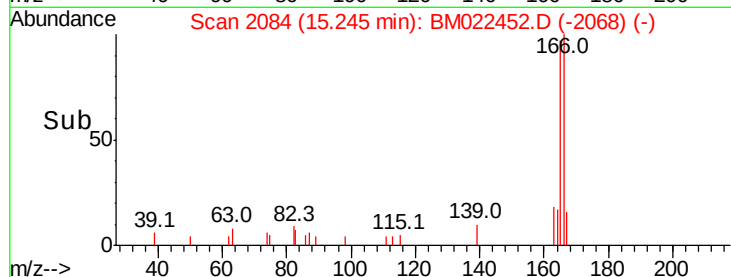
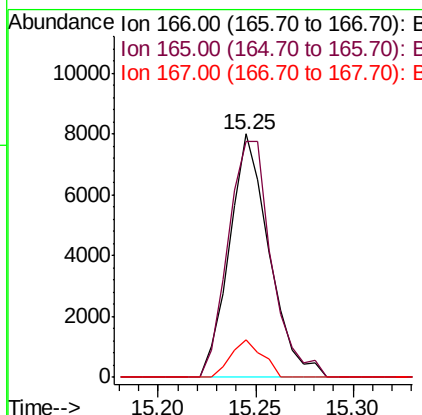
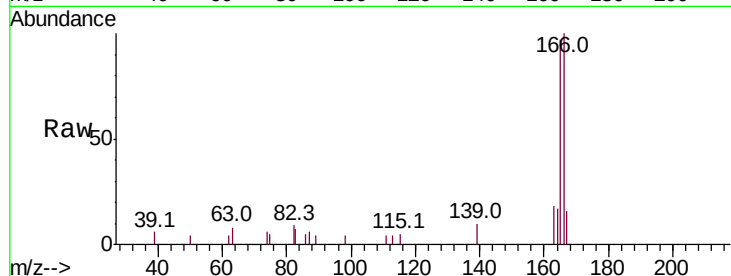
#58
 Fluorene
 Concen: 3.604 ng
 RT: 15.25 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Instrument :
 BNA_M
 ClientSampled :
 TP-2-SDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	11315		
165	97.0	81.1	121.7	
167	15.5	11.1	16.7	

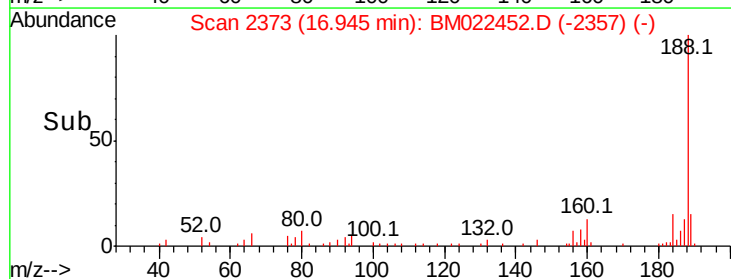
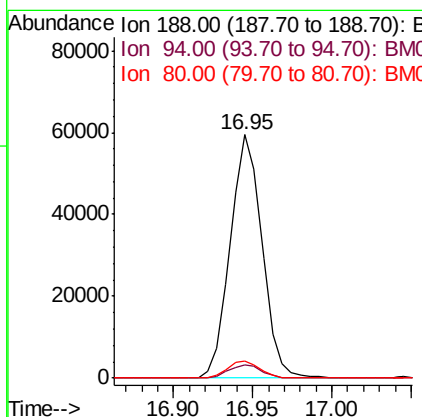
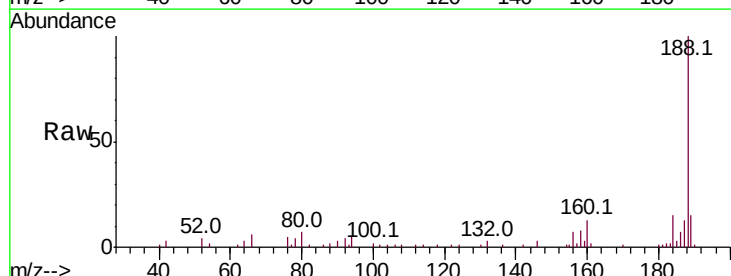
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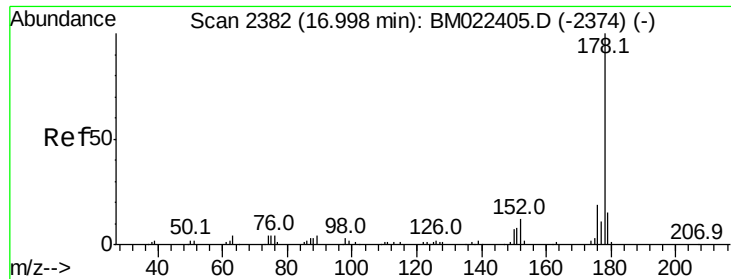
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.95 min Scan# 2373
 Delta R.T. -0.01 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	82624		
94	5.3	4.4	6.6	
80	6.9	5.0	7.6	





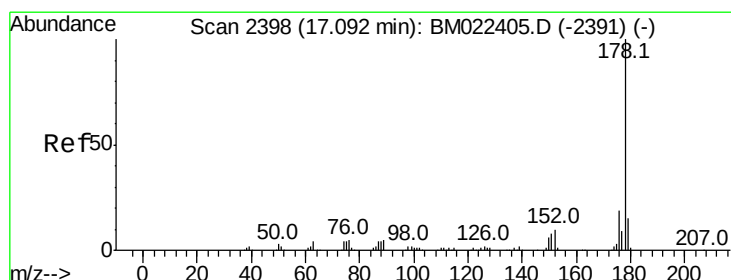
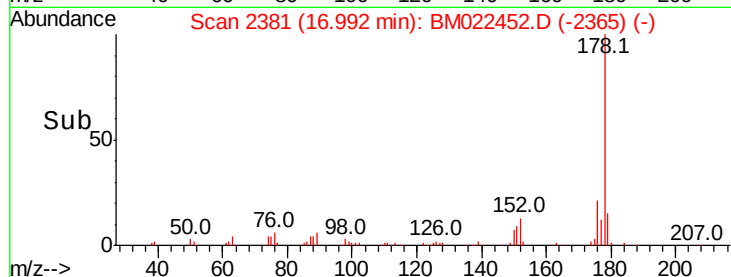
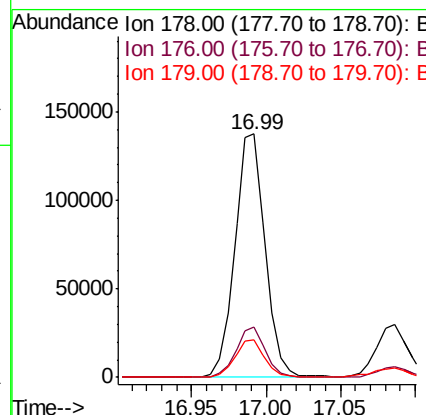
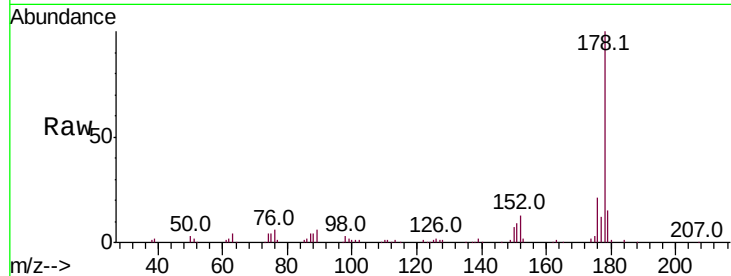
#71
Phenanthrene
Concen: 40.414 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	15.2	12.3	18.5

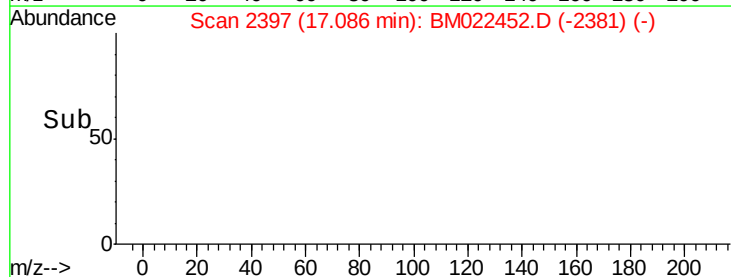
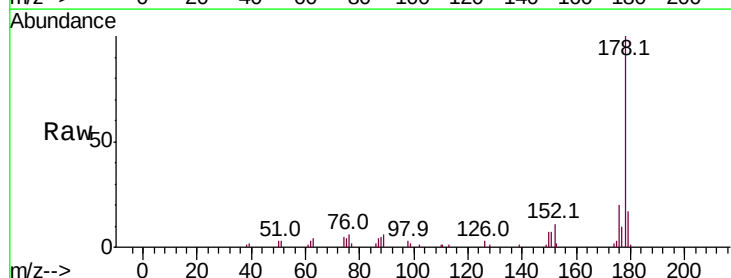
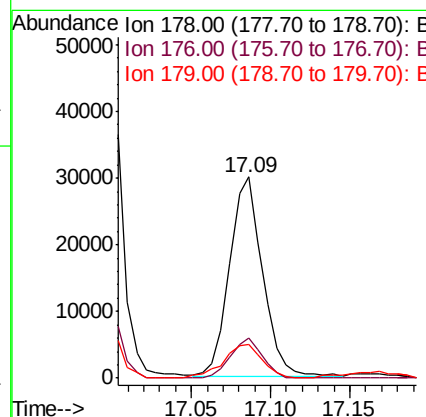
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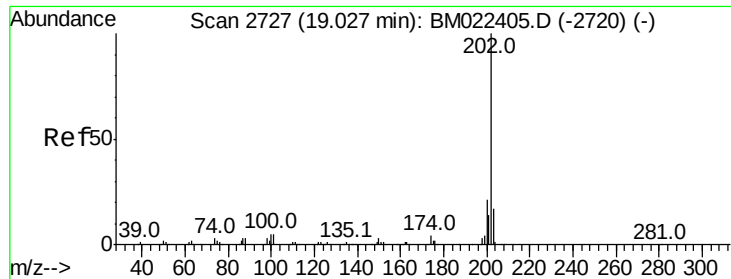
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#72
Anthracene
Concen: 9.035 ng
RT: 17.09 min Scan# 2397
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.0	22.4
179	17.1	11.8	17.6





#75

Fluoranthene

Concen: 53.223 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Instrument :

BNA_M

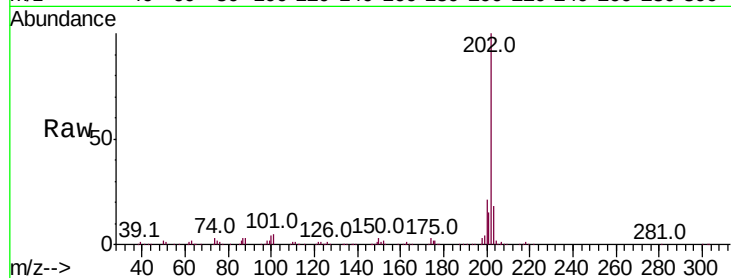
ClientSampleId :

TP-2-SDL

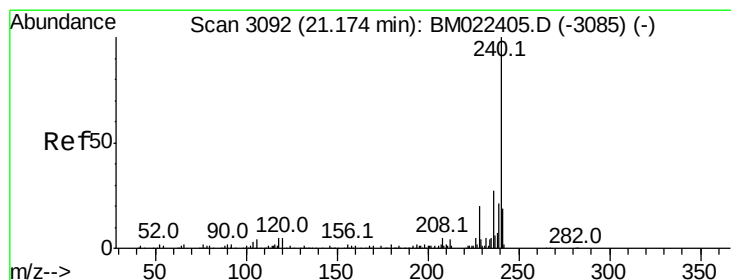
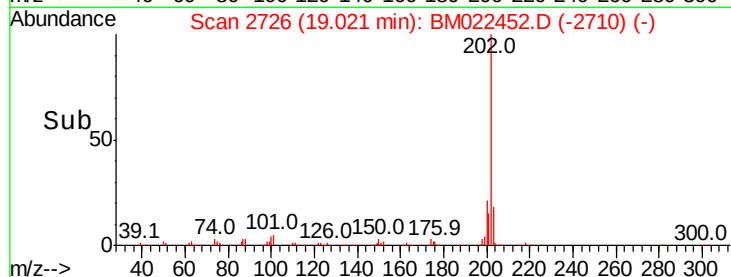
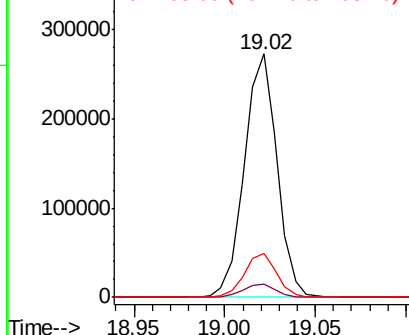
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	5.2	0.0	25.1		
203	17.9	0.0	37.1		

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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

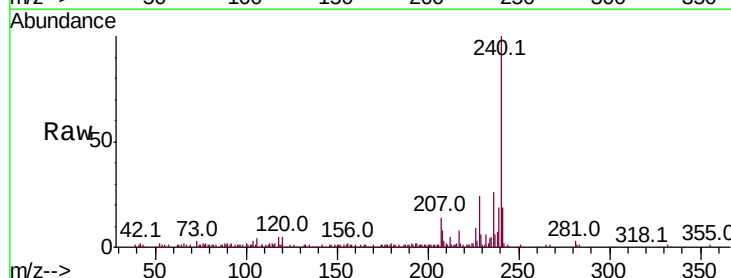
RT: 21.16 min Scan# 3090

Delta R.T. -0.01 min

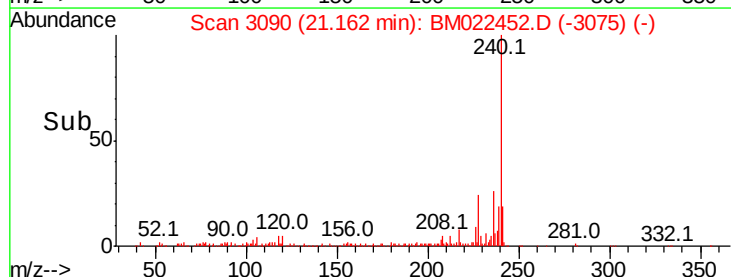
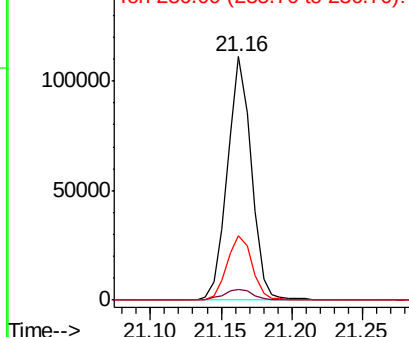
Lab File: BM022452.D

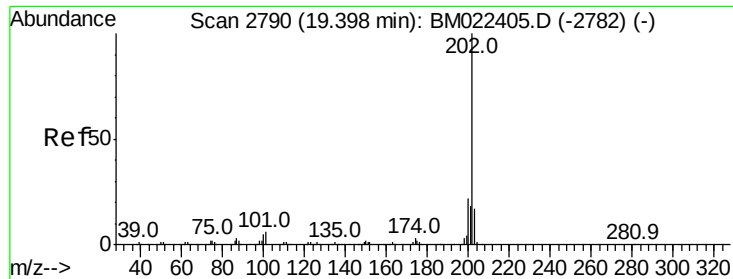
Acq: 30 Aug 2019 21:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	4.6	3.9	5.9		
236	26.3	21.4	32.2		



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: 30.902 ng

RT: 19.39 min Scan# 2788

Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Instrument :

BNA_M

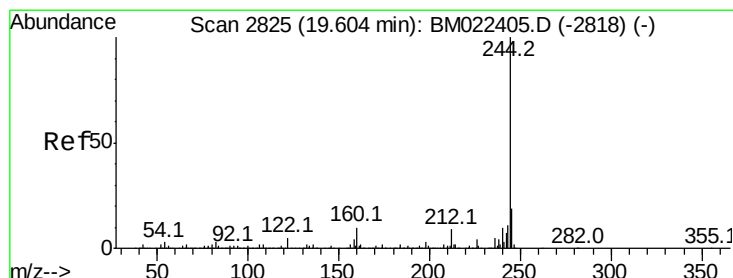
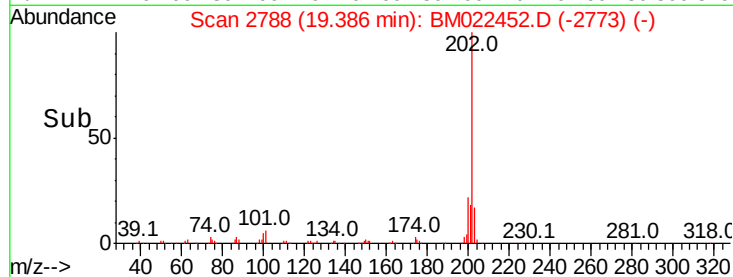
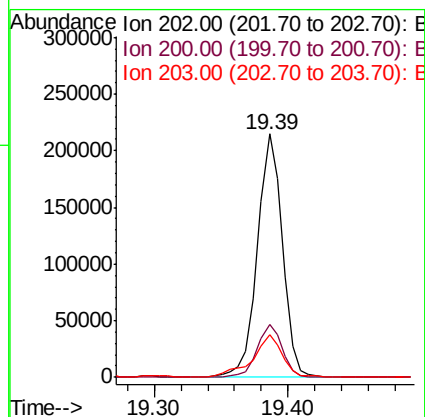
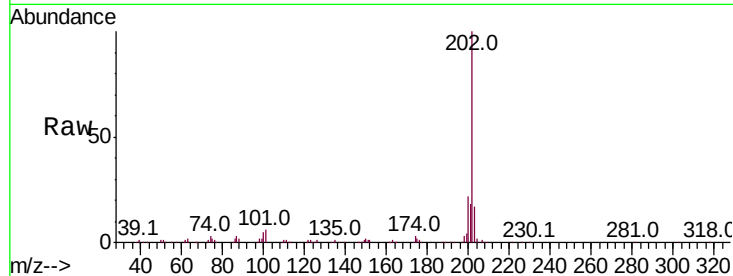
ClientSampled :

TP-2-SDL

Tot Ion:	202	Resp:	276614
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	17.3	13.8	20.8

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#79

Terphenyl-d14

Concen: 14.213 ng

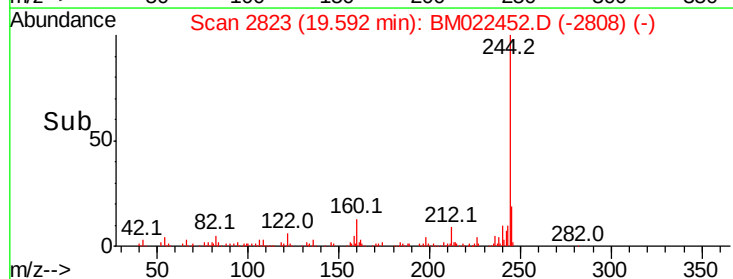
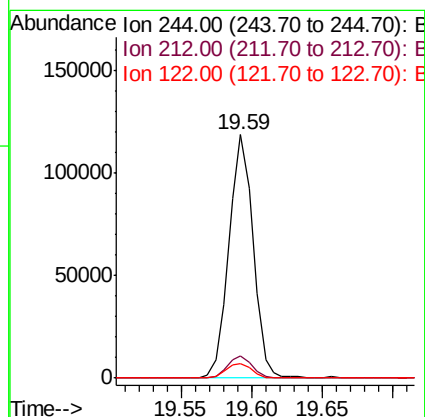
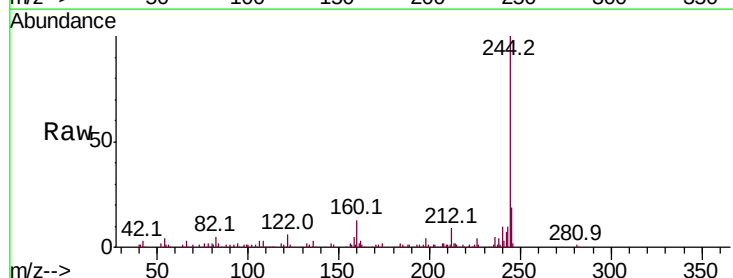
RT: 19.59 min Scan# 2823

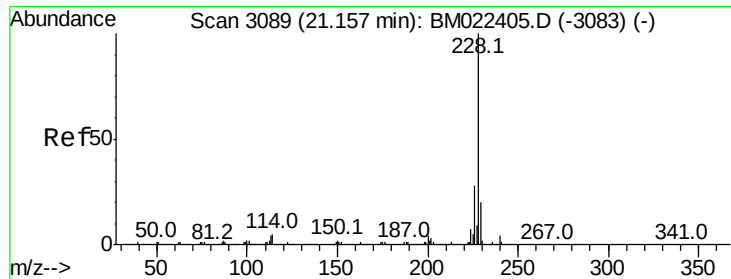
Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Tgt Ion:	244	Resp:	141454
Ion Ratio	Lower	Upper	
244	100		
212	9.3	7.0	10.4
122	6.1	3.9	5.9#





#81

Benzo(a)anthracene

Concen: 17.365 ng

RT: 21.14 min Scan# 3087

Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Instrument :

BNA_M

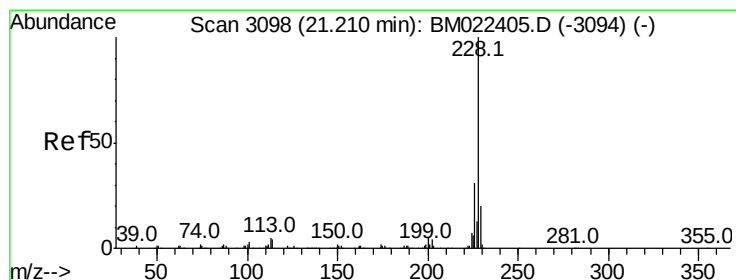
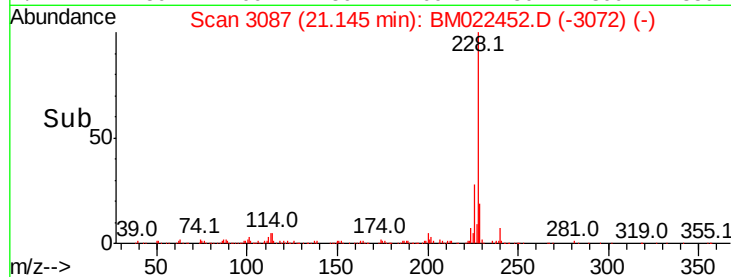
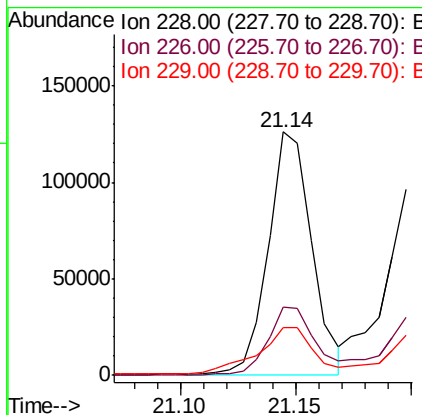
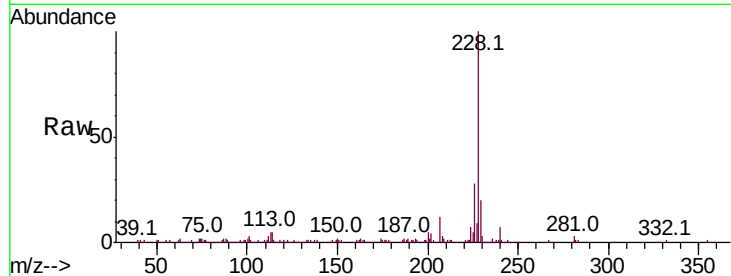
ClientSampleId :

TP-2-SDL

Tot Ion:228	Resp:	163714
Ion Ratio	Lower	Upper
228	100	
226	28.0	22.6 34.0
229	19.8	15.9 23.9

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#83

Chrysene

Concen: 15.499 ng

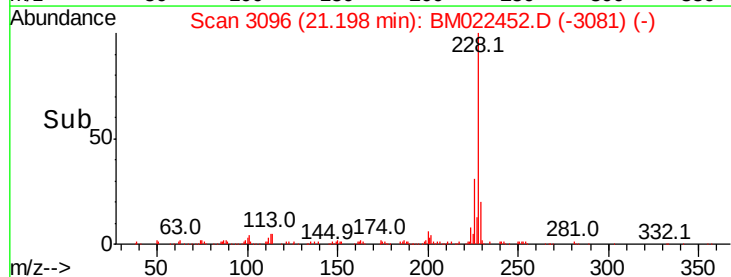
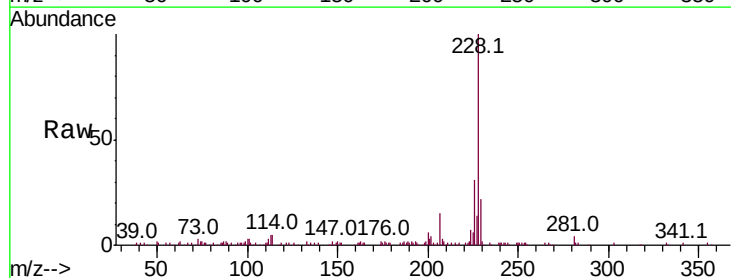
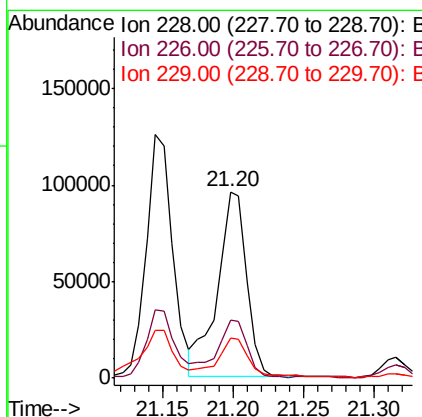
RT: 21.20 min Scan# 3096

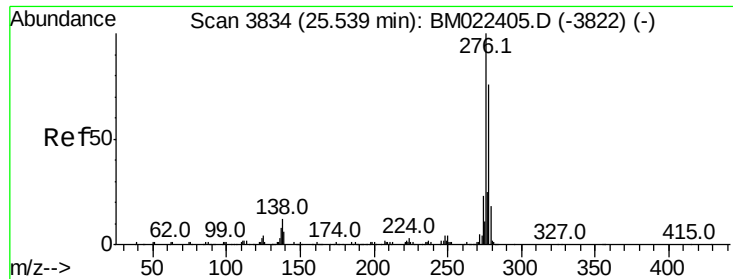
Delta R.T. -0.01 min

Lab File: BM022452.D

Acq: 30 Aug 2019 21:57

Tgt Ion:228	Resp:	139081
Ion Ratio	Lower	Upper
228	100	
226	31.4	24.5 36.7
229	21.9	15.7 23.5





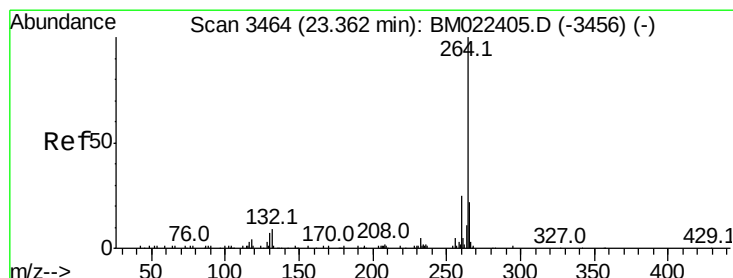
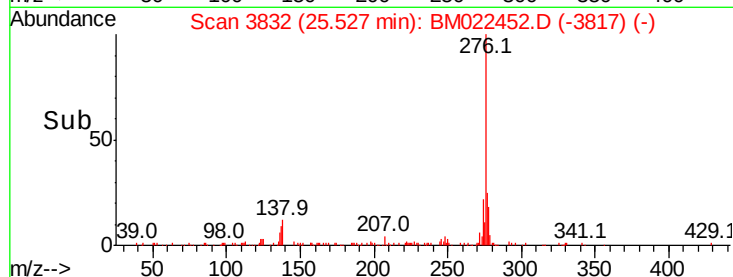
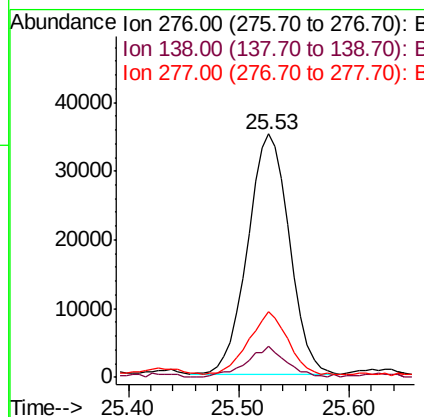
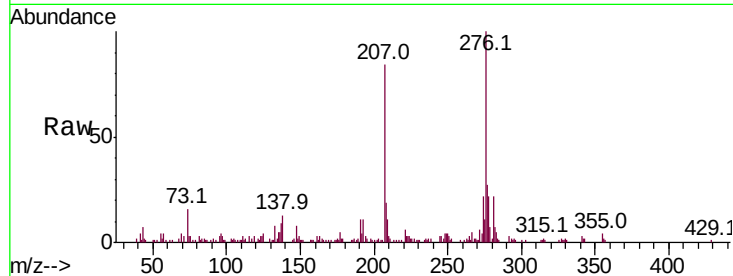
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.247 ng
 RT: 25.53 min Scan# 3832
 Delta R.T. -0.01 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Instrument :
 BNA_M
 ClientSampleId :
 TP-2-SDL

Tot Ion:276	Resp:	92491
Ion Ratio	Lower	Upper
276 100		
138 12.4	9.1	13.7
277 24.6	20.0	30.0

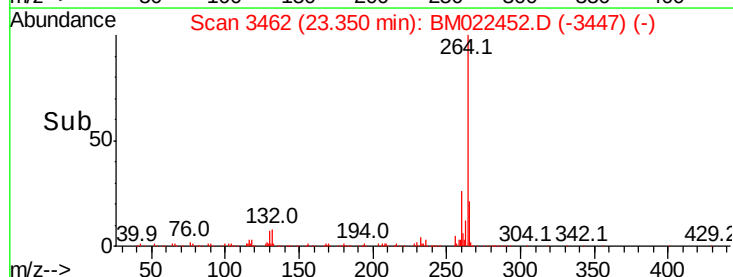
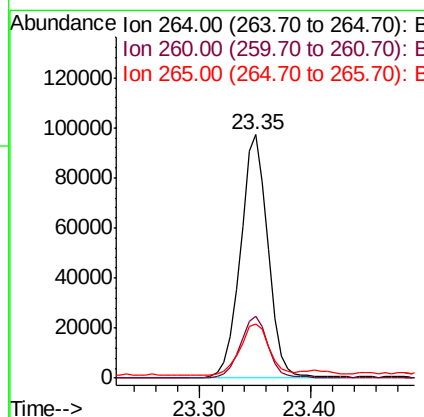
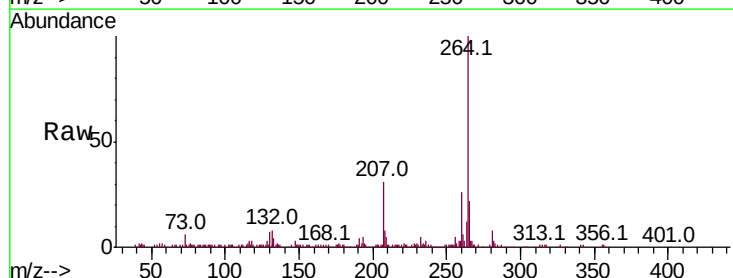
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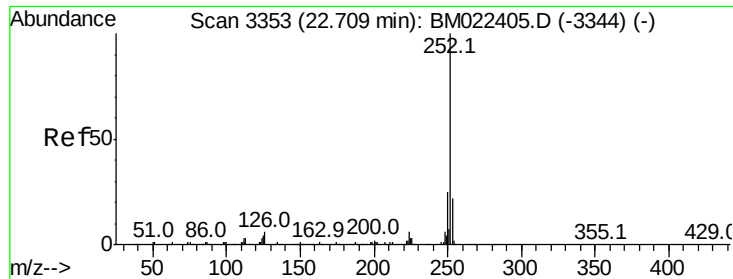
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.35 min Scan# 3462
 Delta R.T. -0.01 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Tgt Ion:264	Resp:	170789
Ion Ratio	Lower	Upper
264 100		
260 25.6	20.2	30.2
265 22.4	18.2	27.2





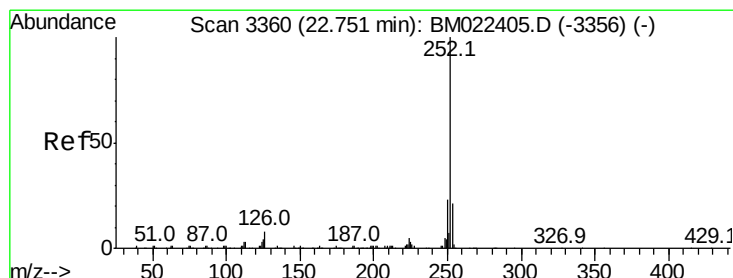
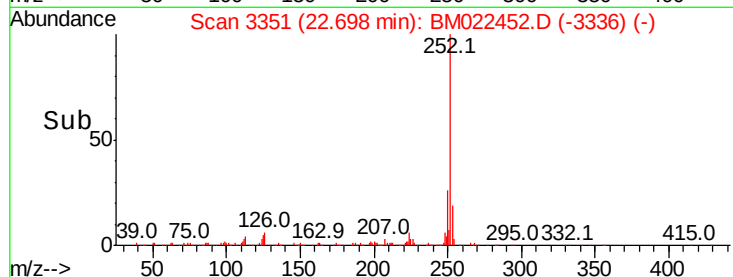
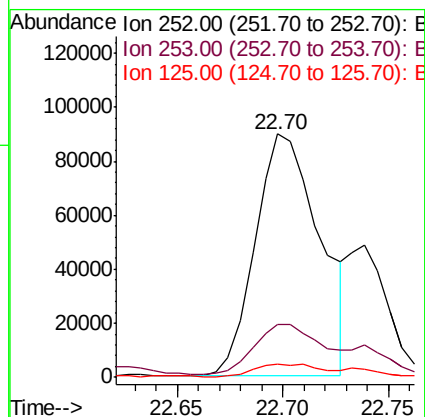
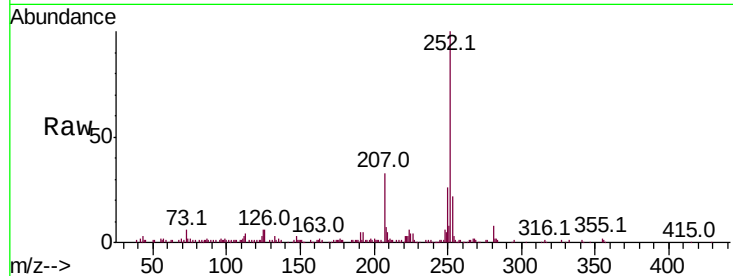
#88
Benzo(b)fluoranthene
Concen: 16.012 ng
RT: 22.70 min Scan# 3351
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampleId :
TP-2-SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	5.6	3.5	5.3

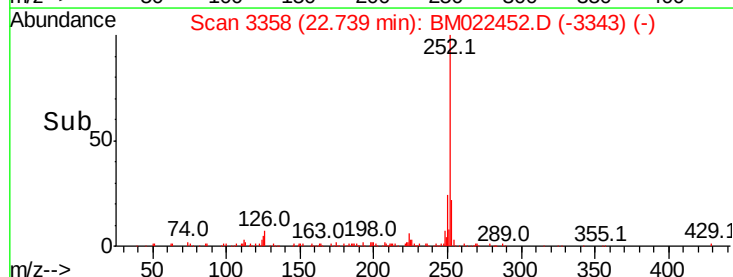
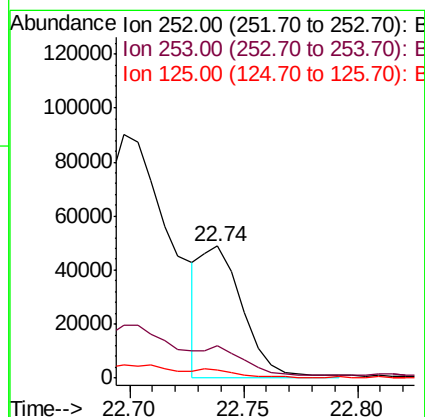
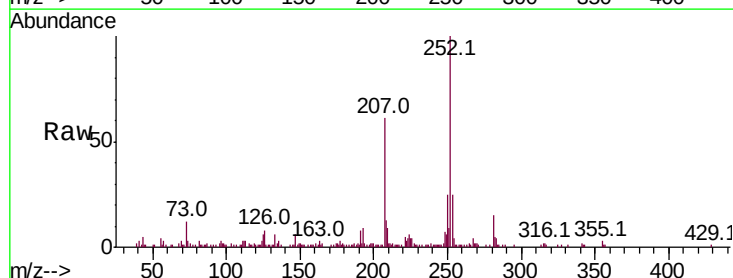
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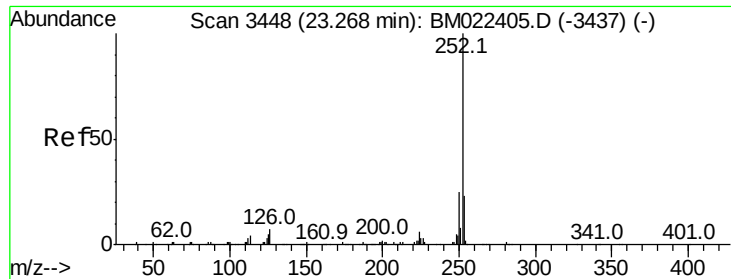
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#89
Benzo(k)fluoranthene
Concen: 5.436 ng m
RT: 22.74 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.4
125	5.9	3.7	5.5





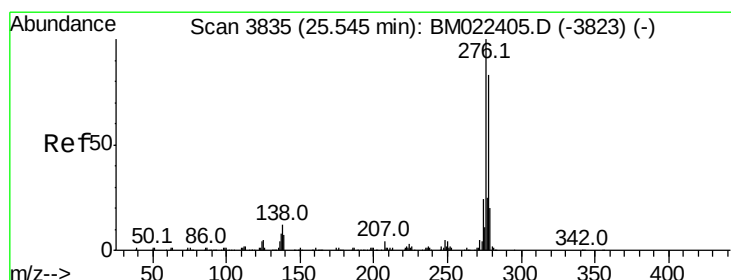
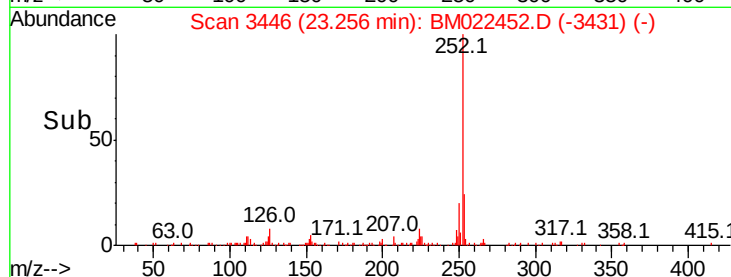
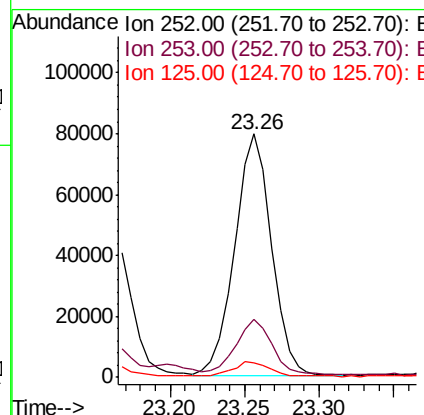
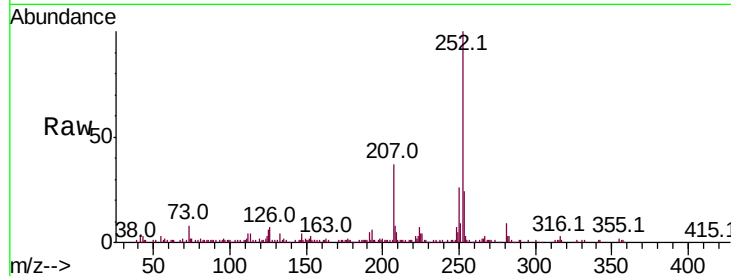
#90
Benzo(a)pyrene
Concen: 12.956 ng
RT: 23.26 min Scan# 3446
Delta R.T. -0.01 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Instrument :
BNA_M
ClientSampled :
TP-2-SDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	6.0	3.8	5.8#

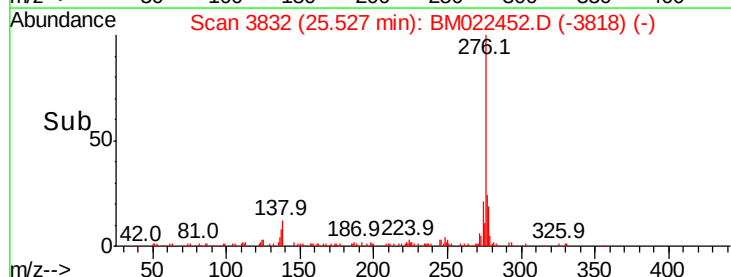
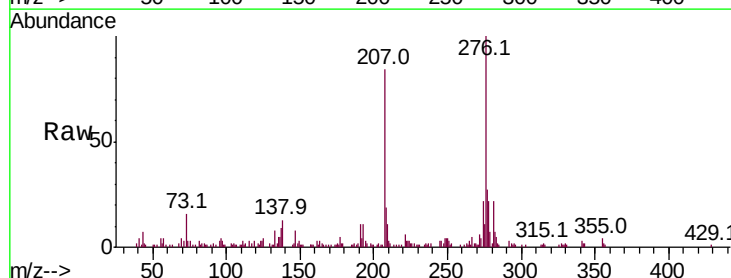
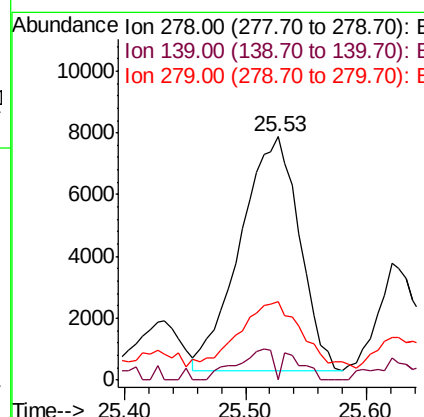
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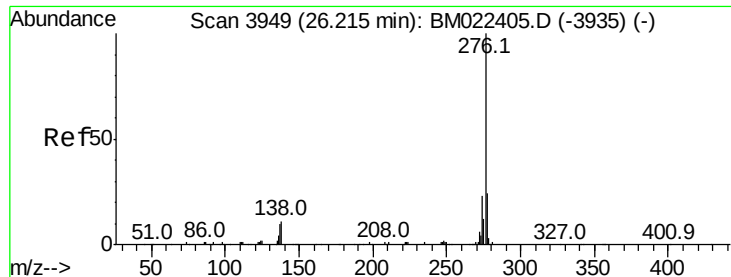
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#91
Dibenzo(a,h)anthracene
Concen: 2.445 ng
RT: 25.53 min Scan# 3832
Delta R.T. -0.02 min
Lab File: BM022452.D
Acq: 30 Aug 2019 21:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.6	9.8#
279	32.3	19.3	28.9#





#92
 Benzo(a,h,i)perylene
 Concen: 9.646 ng
 RT: 26.20 min Scan# 3946
 Delta R.T. -0.02 min
 Lab File: BM022452.D
 Acq: 30 Aug 2019 21:57

Instrument :
 BNA_M
 ClientSampleId :
 TP-2-SDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.0
138	11.0	8.8	13.2

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