

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
 Data File : BM019237.D
 Acq On : 19 Mar 2019 15:17
 Operator : JU/SJ
 Sample : K1921-01DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 282-346DL

Manual Integrations
 APPROVED

Sohil
 3/20/2019 6:48:19 PM

Quant Time: Mar 19 16:27:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 19 12:12:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	177142	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	823495	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	526699	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1201584	20.00	ng	0.00
76) Chrysene-d12	21.25	240	1127137	20.00	ng	0.00
87) Perylene-d12	23.48	264	967060	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	818087	74.79	ng	0.00
7) Phenol-d6	6.82	99	1267626	79.23	ng	0.00
23) Nitrobenzene-d5	8.81	82	770325	44.22	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	569128	73.19	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1615545	39.90	ng	0.00
79) Terphenyl-d14	19.69	244	2355260	41.48	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.47	128	103119	2.376	ng	100
49) Acenaphthylene	14.02	152	137836	2.374	ng	98
50) Dimethylphthalate	13.76	163	96106	2.133	ng	99
71) Phenanthrene	17.09	178	1302955	18.500	ng	99
72) Anthracene	17.19	178	681066	9.878	ng	99
75) Fluoranthene	19.12	202	3321502	41.100	ng	99
78) Pyrene	19.49	202	2737629	38.388	ng	99
81) Benzo(a)anthracene	21.24	228	1439421m	20.356	ng	
83) Chrysene	21.29	228	1333928	19.499	ng	98
86) Indeno(1,2,3-cd)pyrene	25.73	276	836850	11.364	ng	95
88) Benzo(b)fluoranthene	22.81	252	1779469	28.397	ng	98
89) Benzo(k)fluoranthene	22.85	252	471497m	8.181	ng	
90) Benzo(a)pyrene	23.39	252	1179748	20.950	ng	99
91) Dibenzo(a,h)anthracene	25.73	278	202676	3.762	ng	# 83
92) Benzo(g,h,i)perylene	26.43	276	820780	16.596	ng	98

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

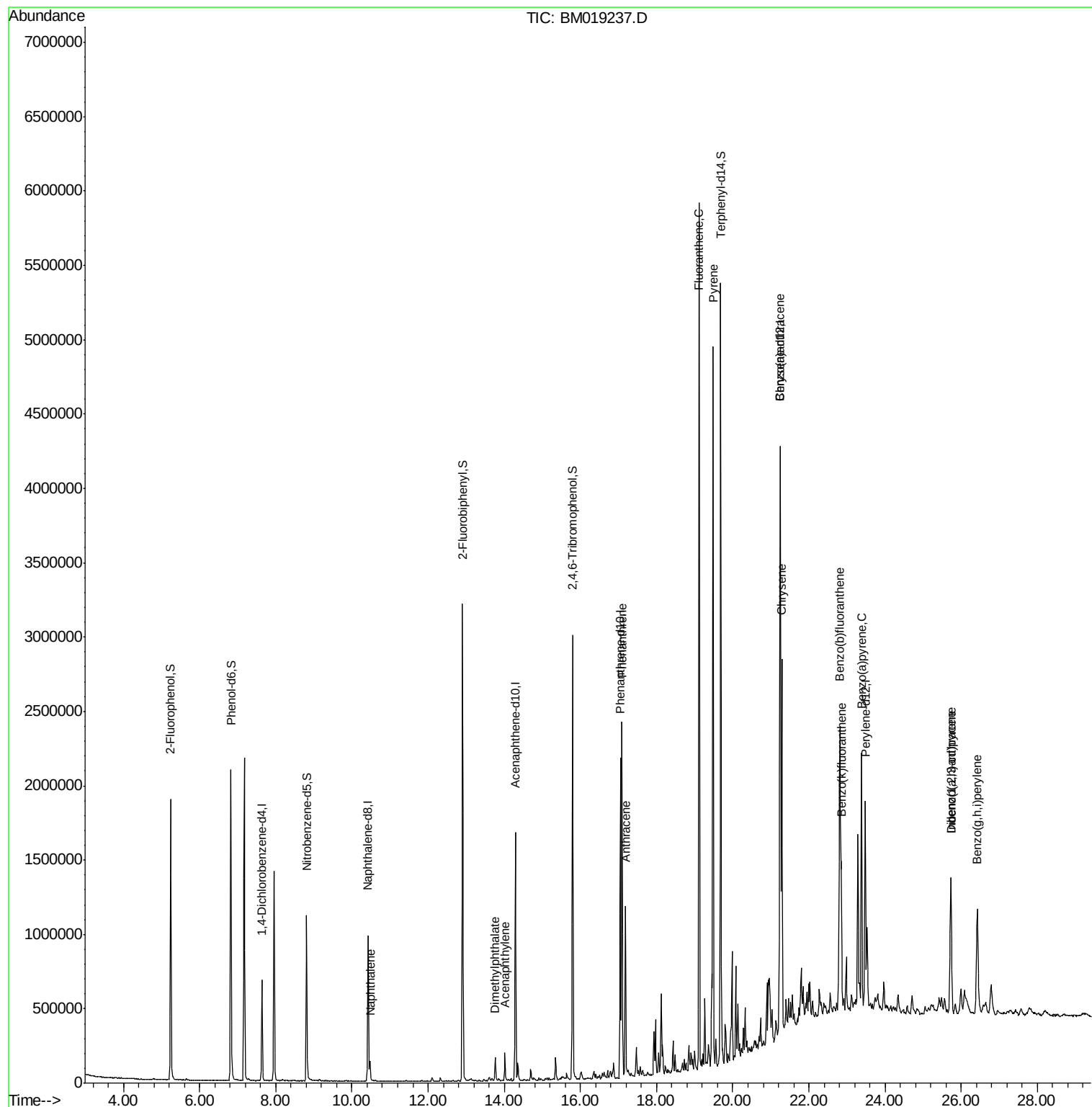
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM031919\
Data File : BM019237.D
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ALS Vial : 10 Sample Multiplier: 1

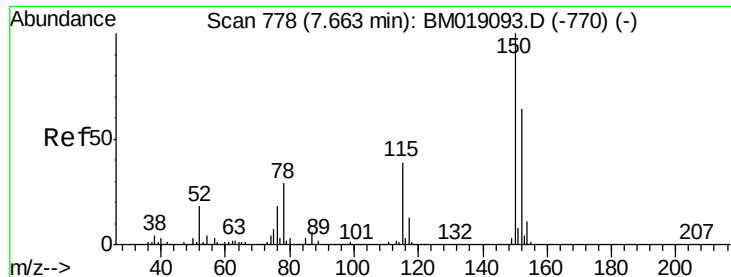
Instrument :
BNA_M
ClientSampleId :
282-346DL

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#1

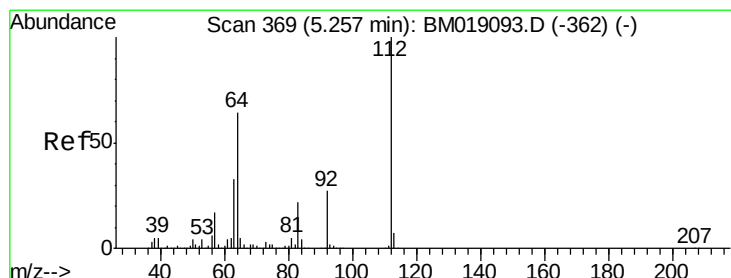
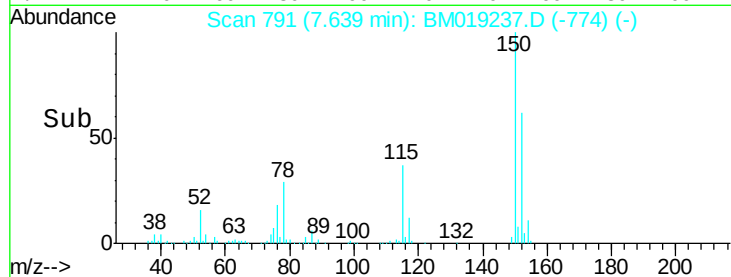
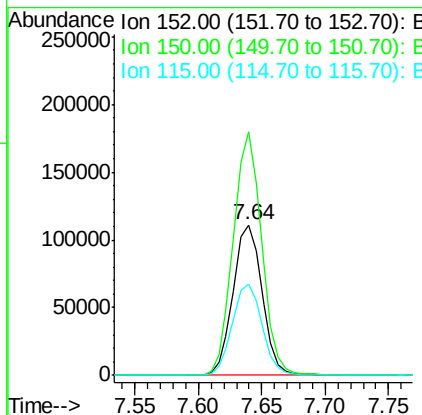
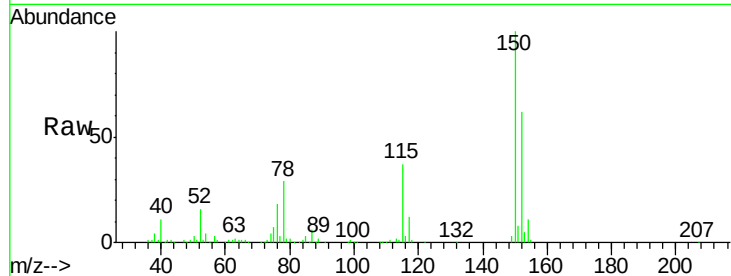
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 791
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampled :
282-346DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	187.0
115	60.6	48.2	72.4

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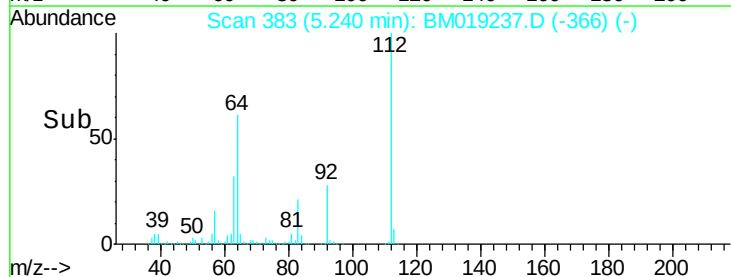
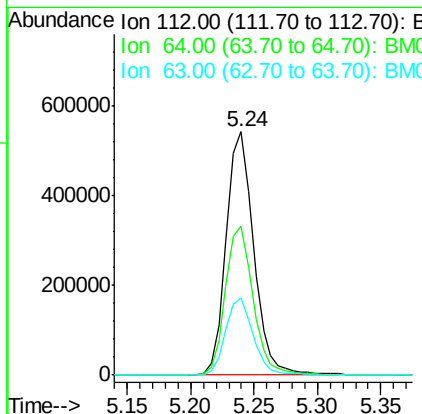
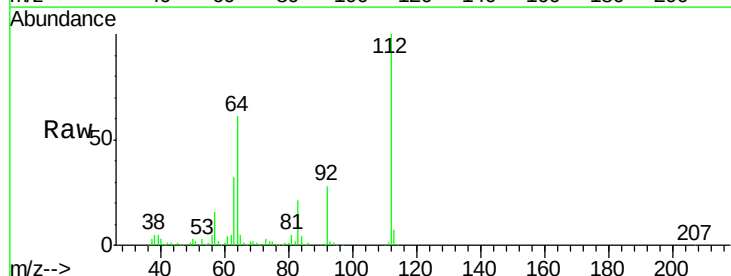
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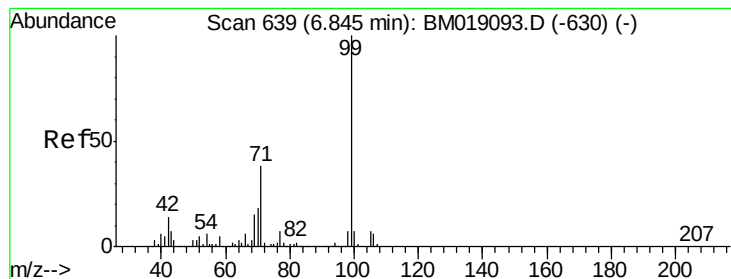


#5

2-Fluorophenol
Concen: 74.792 ng
RT: 5.24 min Scan# 383
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	31.5	24.7	37.1





#7

Phenol-d6

Concen: 79.230 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

ClientSampled :

282-346DL

Tgt Ion: 99 Resp: 1267626

Ion Ratio Lower Upper

99 100

42 13.2 10.8 16.2

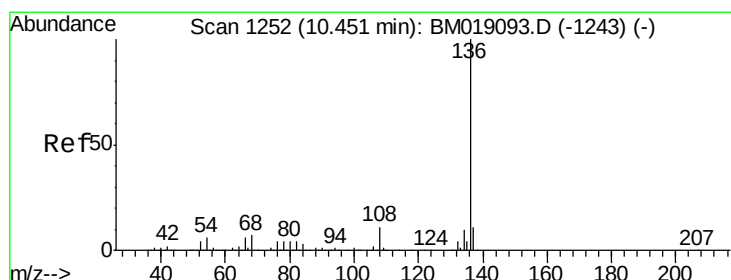
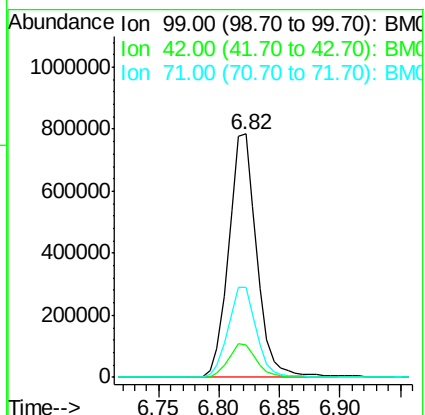
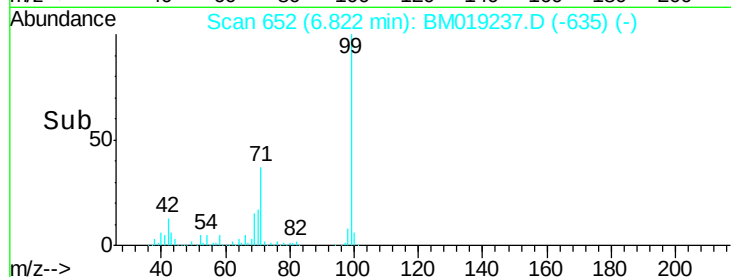
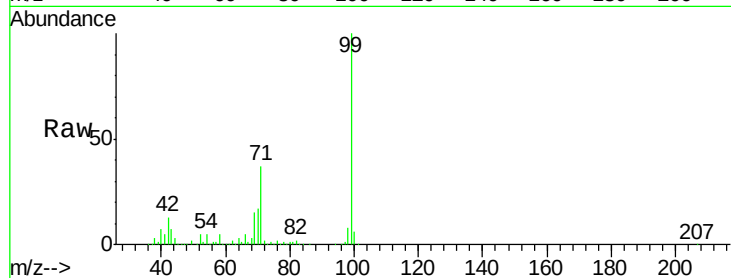
71 36.8 30.1 45.1

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1264

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Tgt Ion: 136 Resp: 823495

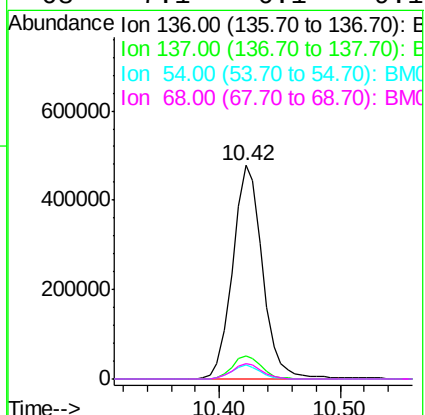
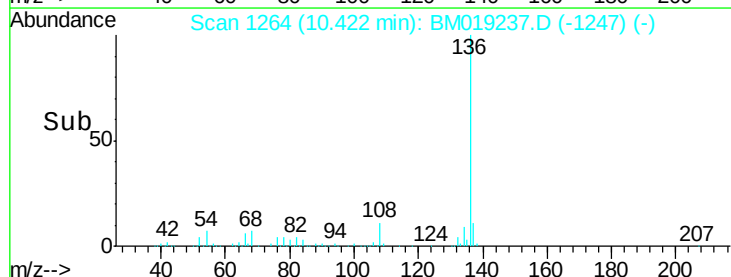
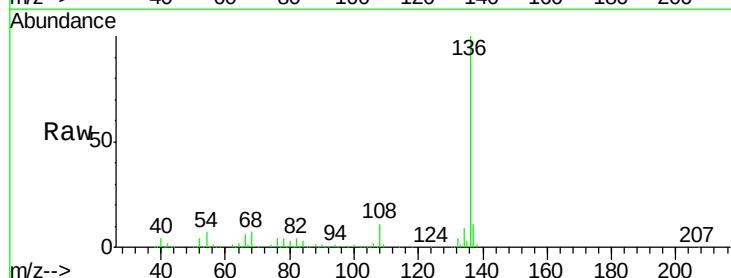
Ion Ratio Lower Upper

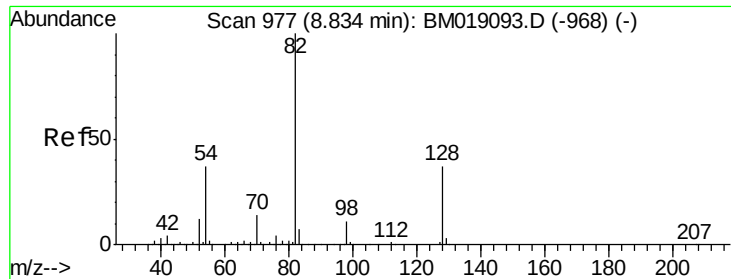
136 100

137 11.0 9.0 13.4

54 6.6 5.2 7.8

68 7.1 6.1 9.1





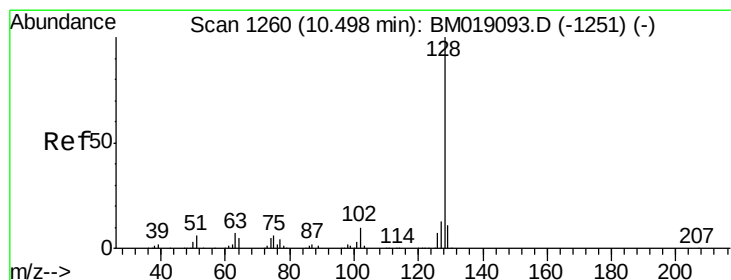
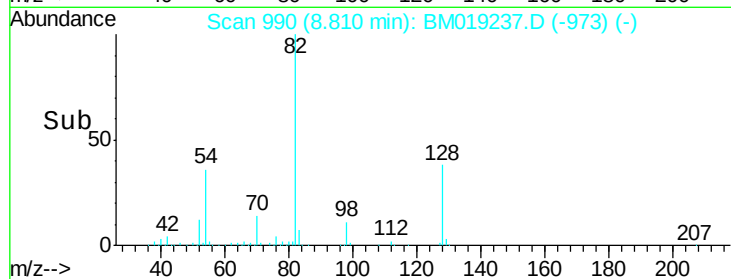
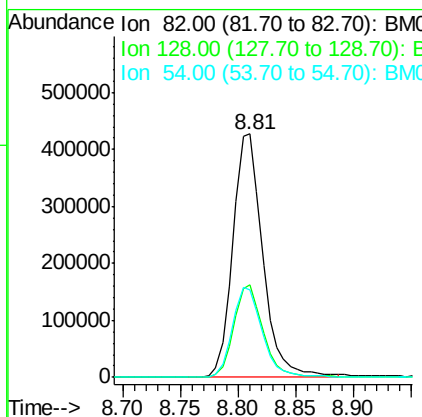
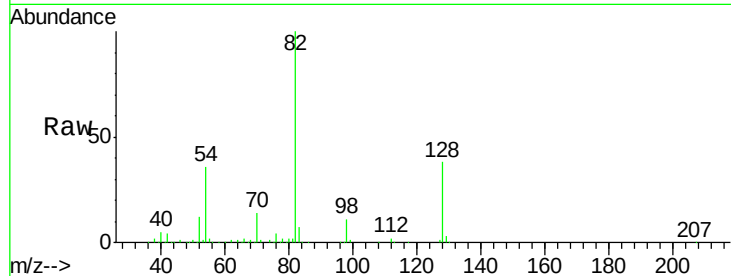
#23
 Nitrobenzene-d5
 Concen: 44.218 ng
 RT: 8.81 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Instrument :
 BNA_M
 ClientSampled :
 282-346DL

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.1	30.2	45.4
54	36.0	29.0	43.4

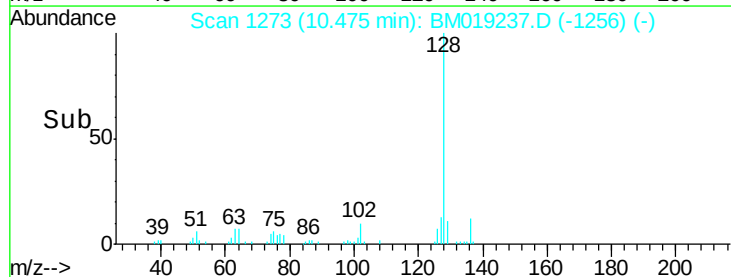
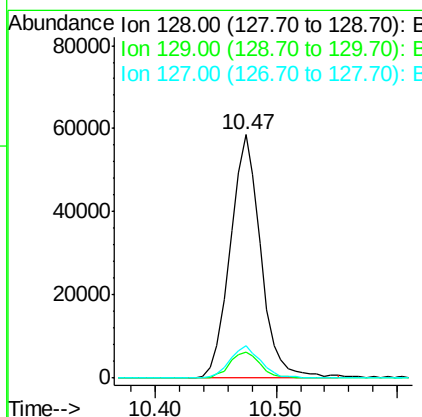
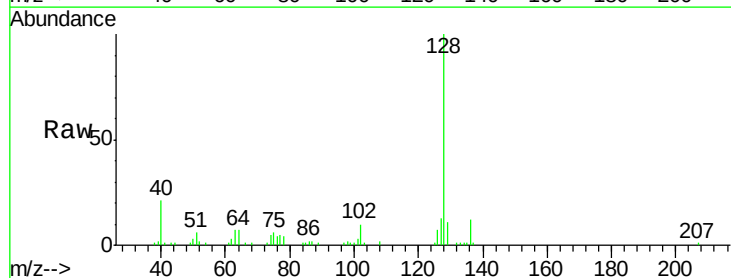
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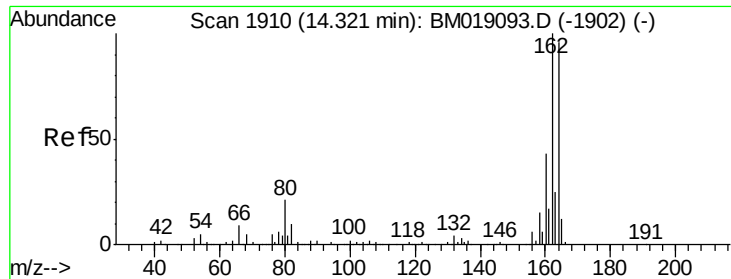
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#31
 Naphthalene
 Concen: 2.376 ng
 RT: 10.47 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.9	8.6	12.8
127	13.1	10.6	15.8





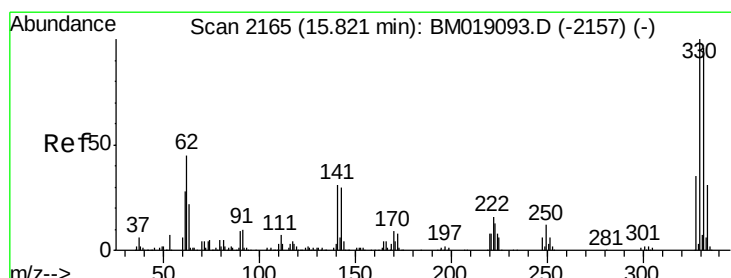
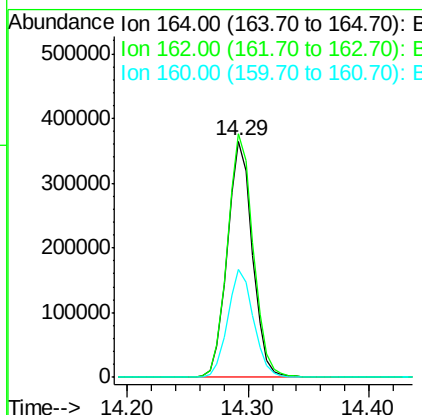
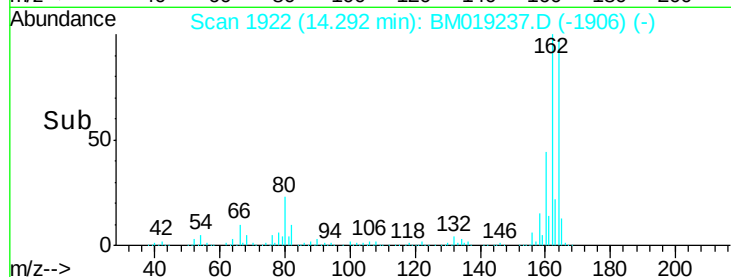
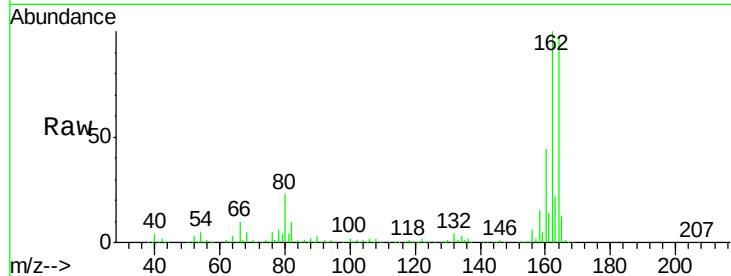
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleID :
282-346DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	526699		
162	103.2	83.8	125.6	
160	45.5	36.7	55.1	

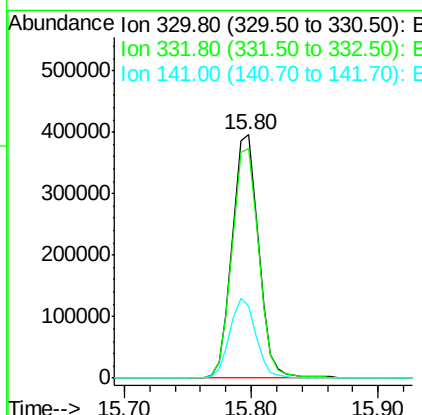
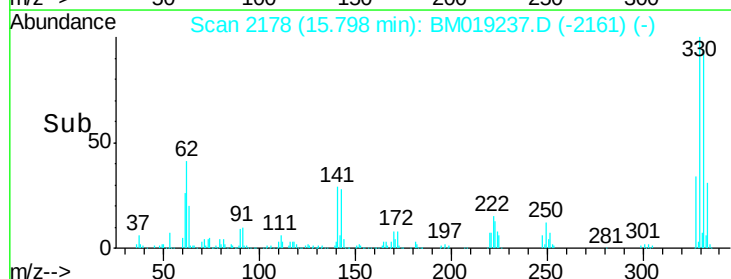
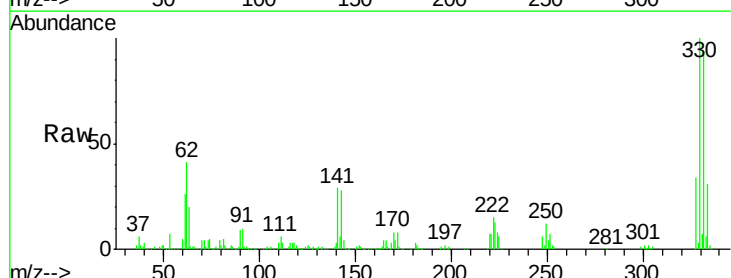
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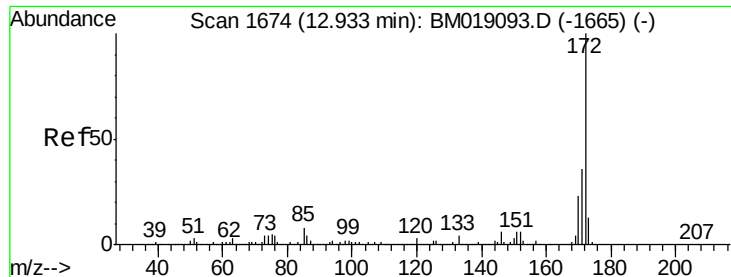
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#42
2,4,6-Tribromophenol
Concen: 73.185 ng
RT: 15.80 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	569128		
332	95.6	77.6	116.4	
141	32.8	26.2	39.2	





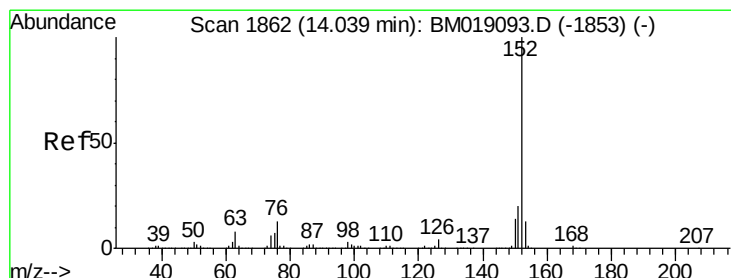
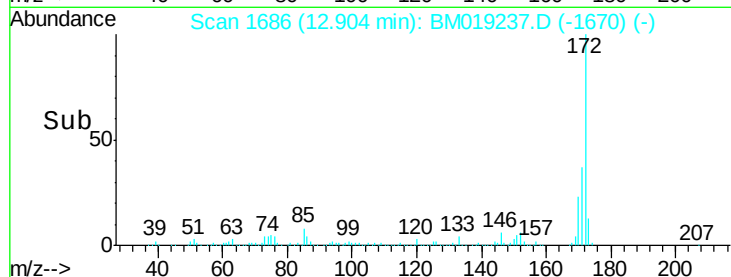
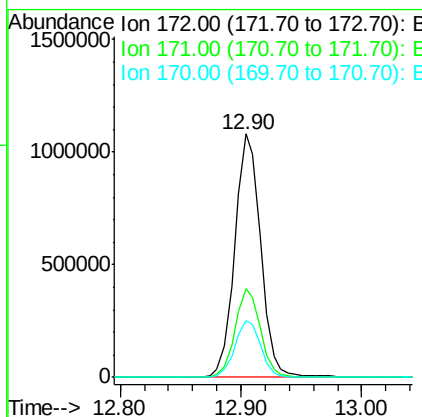
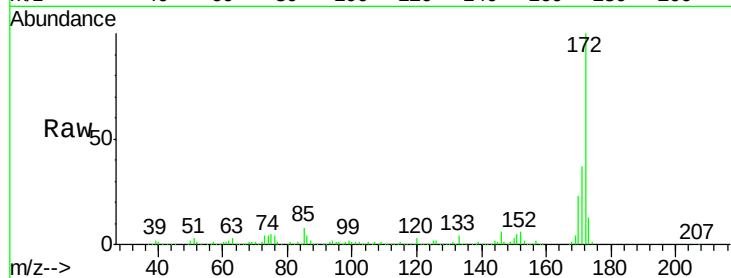
#45
 2-Fluorobiphenyl
 Concen: 39.898 ng
 RT: 12.90 min Scan# 1686
 Delta R.T. -0.01 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Instrument :
 BNA_M
 ClientSampleID :
 282-346DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.9	43.3
170	23.4	18.9	28.3

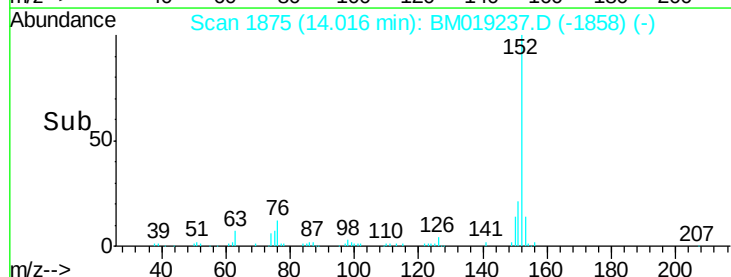
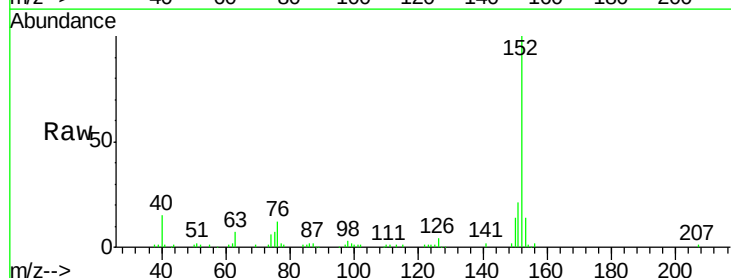
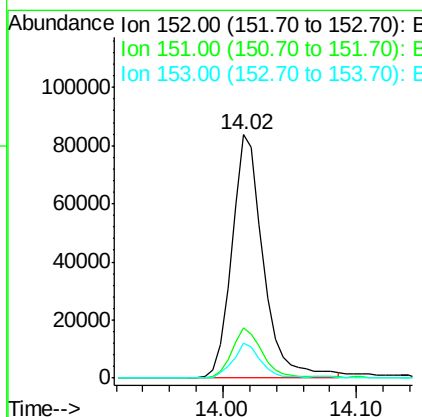
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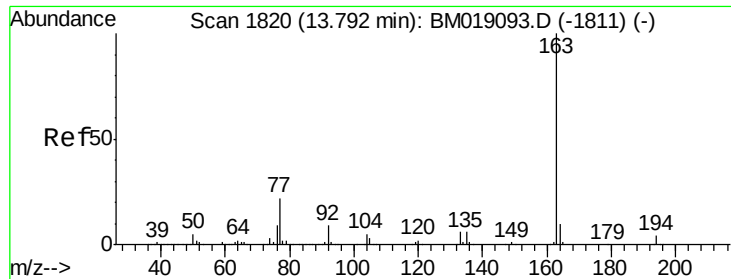
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#49
 Acenaphthylene
 Concen: 2.374 ng
 RT: 14.02 min Scan# 1875
 Delta R.T. -0.00 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	14.4	10.6	16.0





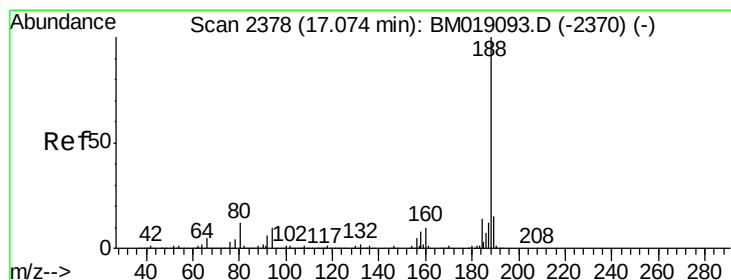
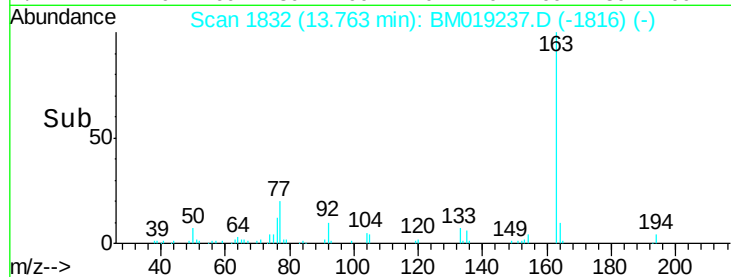
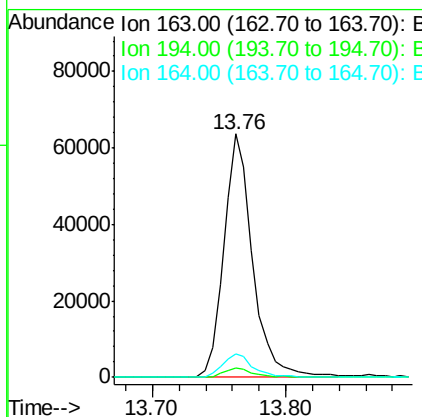
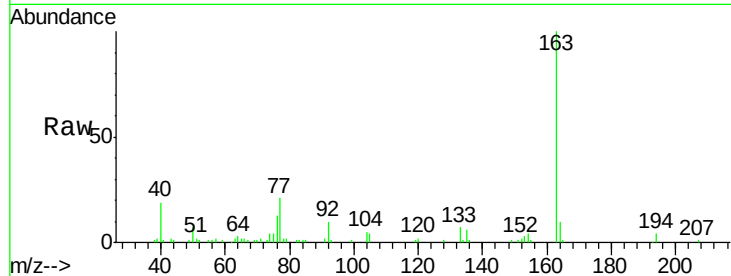
#50
Dimethylphthalate
Concen: 2.133 ng
RT: 13.76 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :
282-346DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	96106		
194	3.8		3.2	4.8
164	9.5		7.9	11.9

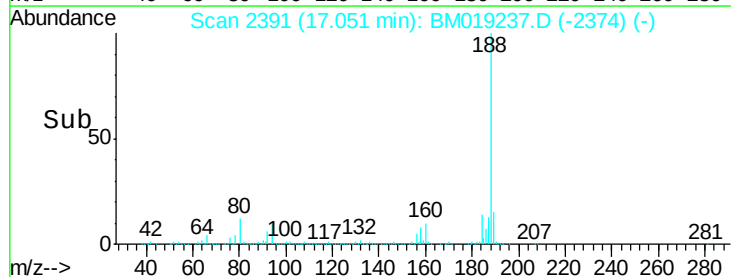
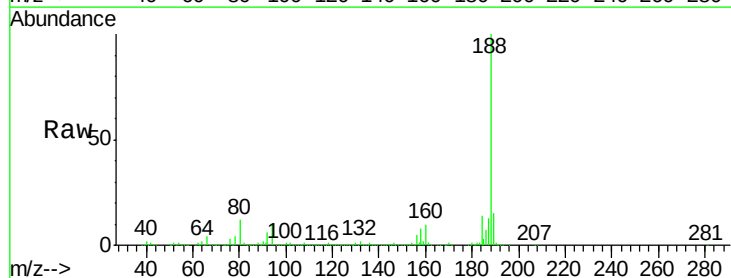
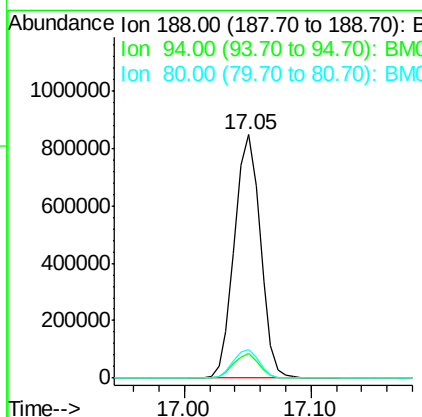
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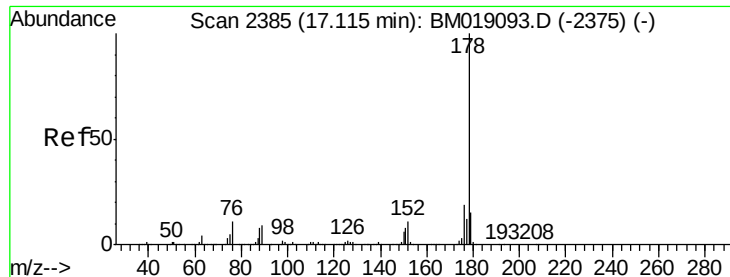
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2391
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	1201584		
94	10.0		8.3	12.5
80	12.0		10.2	15.2





#71

Phenanthrene

Concen: 18.500 ng

RT: 17.09 min Scan# 2398

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

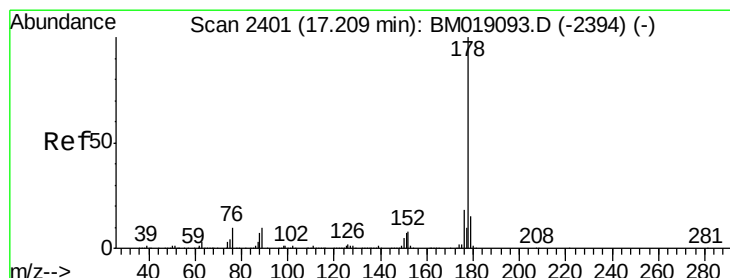
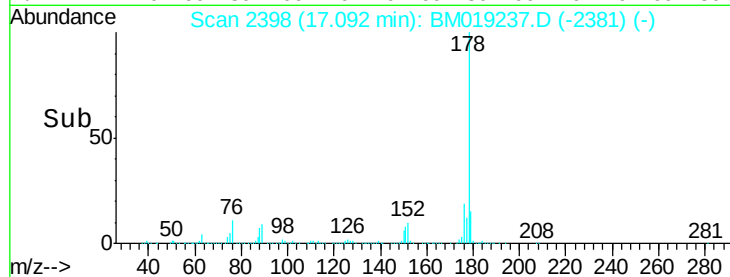
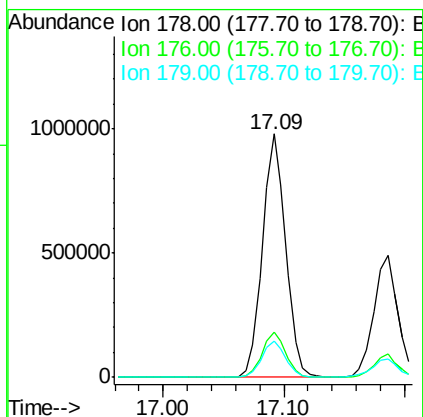
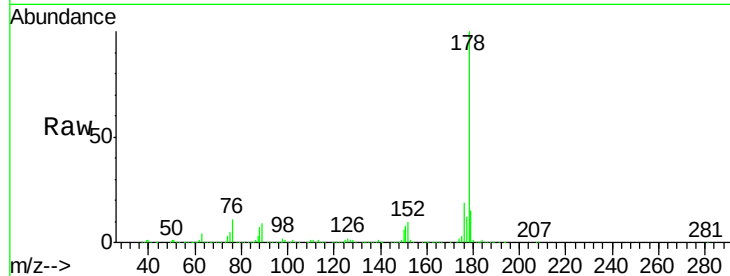
ClientSampled :

282-346DL

Tgt Ion:	178	Resp:	1302955
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.1	12.5	18.7

Manual Integrations
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#72

Anthracene

Concen: 9.878 ng

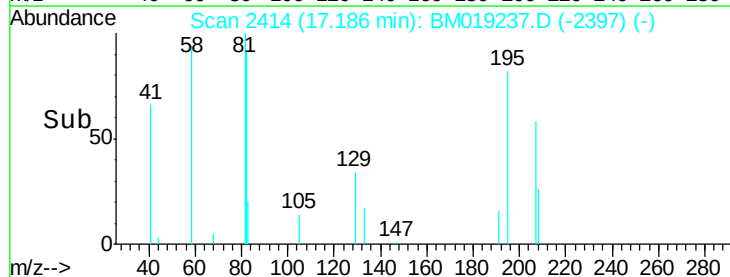
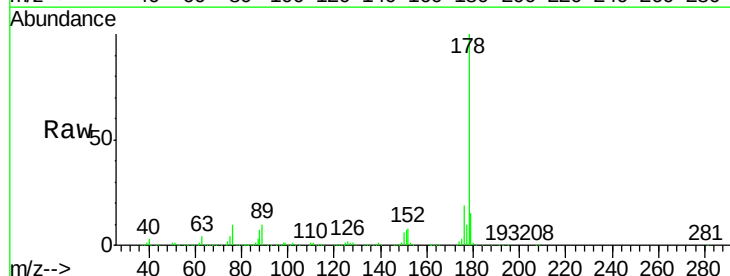
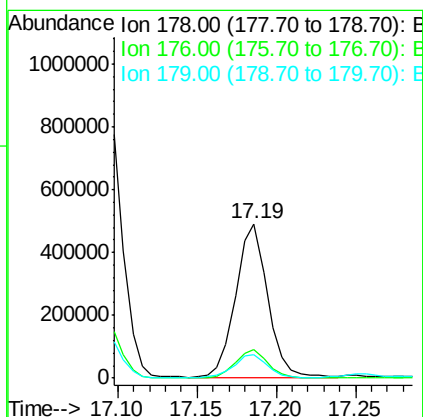
RT: 17.19 min Scan# 2414

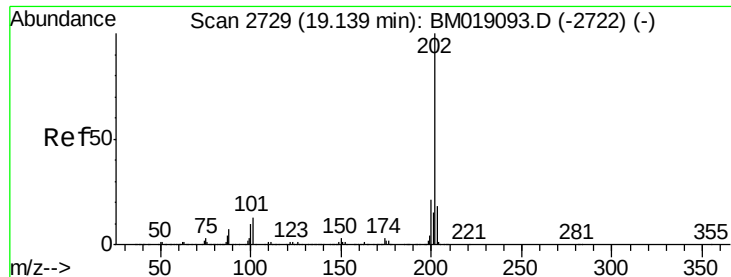
Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Tgt Ion:	178	Resp:	681066
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.5	12.3	18.5





#75

Fluoranthene

Concen: 41.100 ng

RT: 19.12 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

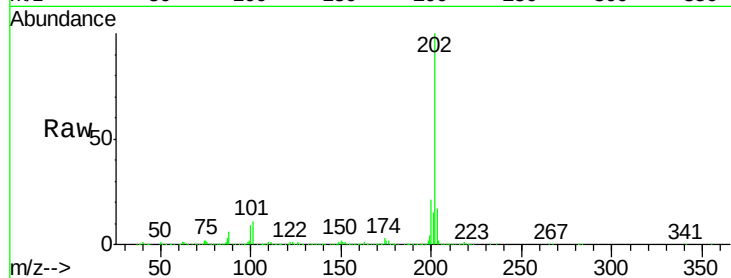
ClientSampleId :

282-346DL

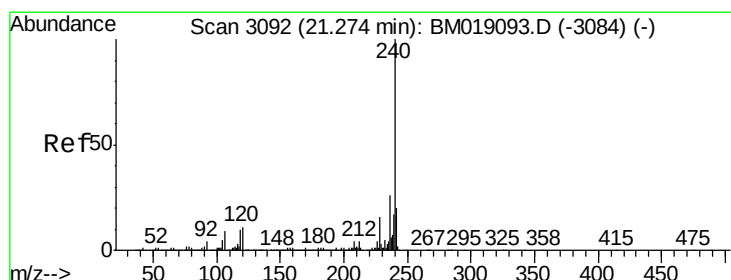
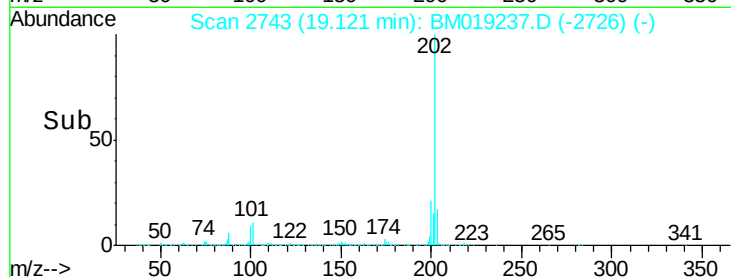
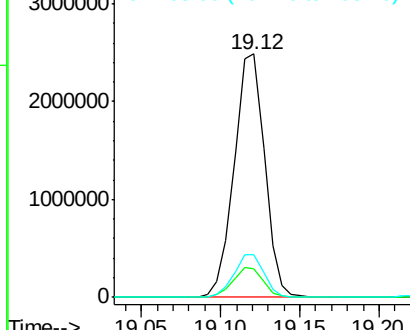
Tgt Ion:	202	Resp:	3321502
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.8
203	17.4	0.0	37.6

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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: 21.25 min Scan# 3105

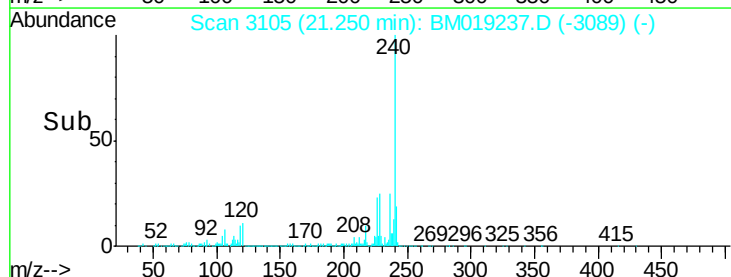
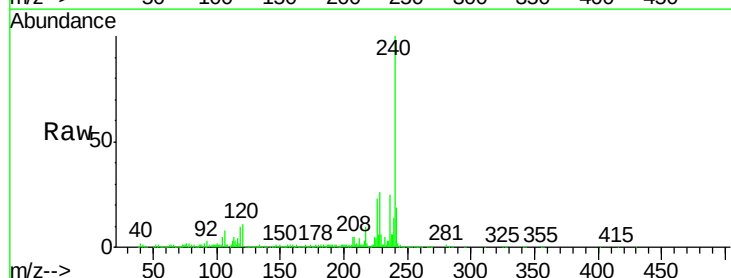
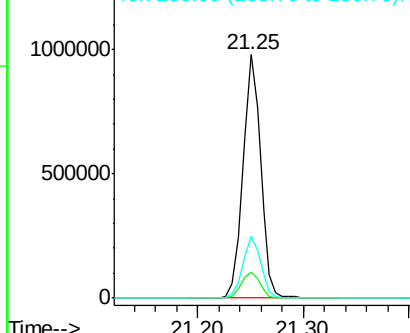
Delta R.T. -0.01 min

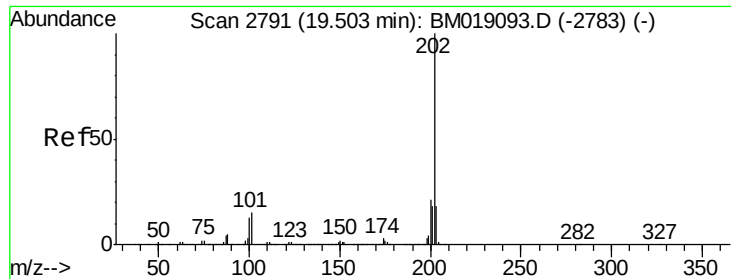
Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Tgt Ion:	240	Resp:	1127137
Ion Ratio	Lower	Upper	
240	100		
120	10.8	8.5	12.7
236	25.4	20.8	31.2

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





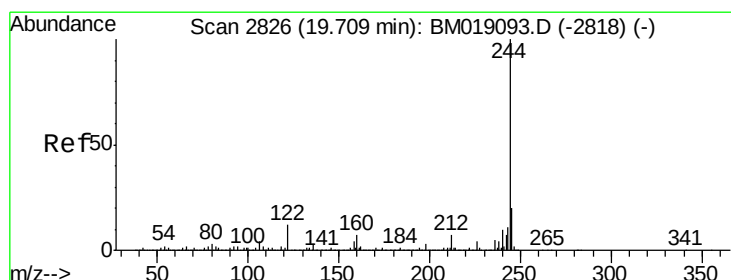
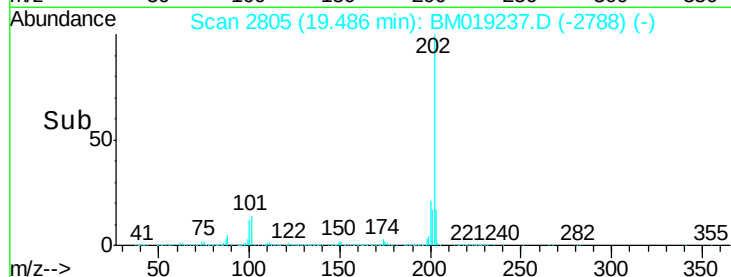
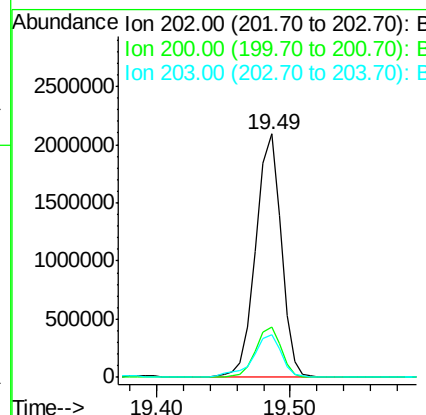
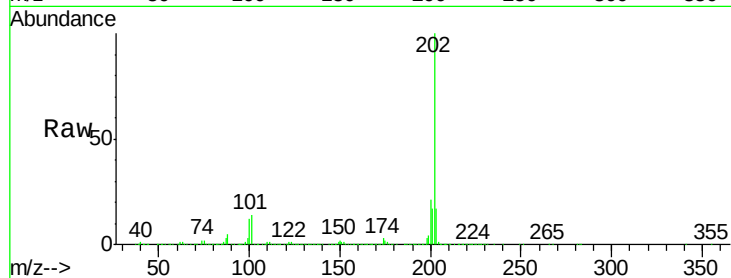
#78
 Pyrene
 Concen: 38.388 ng
 RT: 19.49 min Scan# 2805
 Delta R.T. -0.00 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Instrument :
 BNA_M
 ClientSampled :
 282-346DL

Tgt Ion:202 Resp: 2737629
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.0 25.6
 203 17.3 14.1 21.1

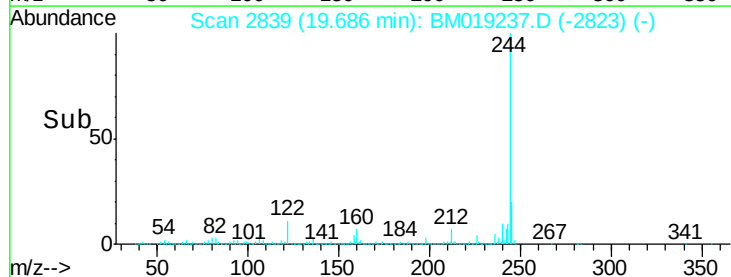
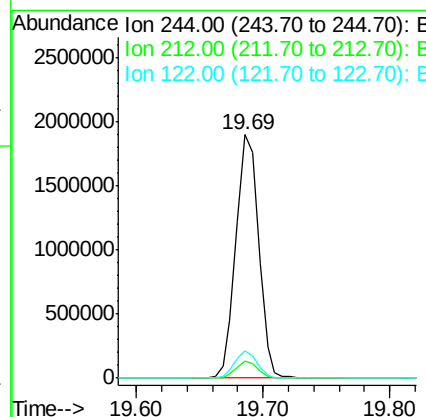
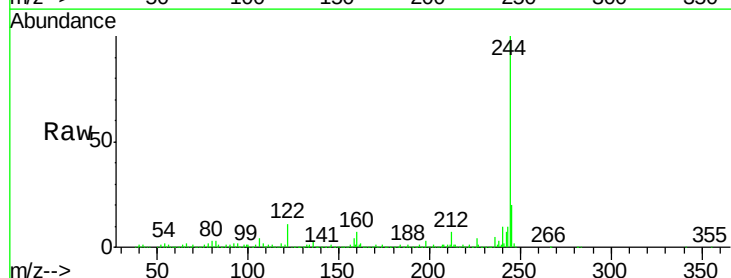
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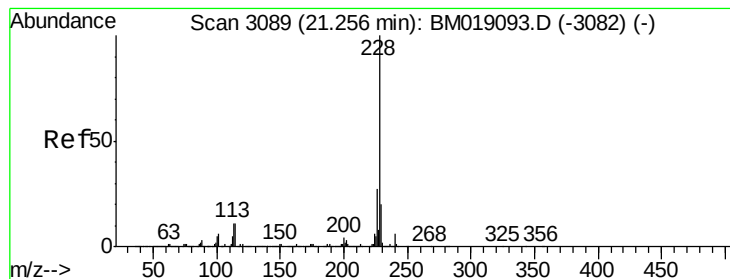
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#79
 Terphenyl-d14
 Concen: 41.483 ng
 RT: 19.69 min Scan# 2839
 Delta R.T. -0.01 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Tgt Ion:244 Resp: 2355260
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 20.356 ng m

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Instrument :

BNA_M

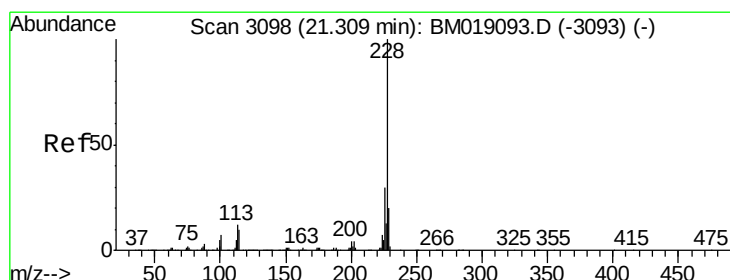
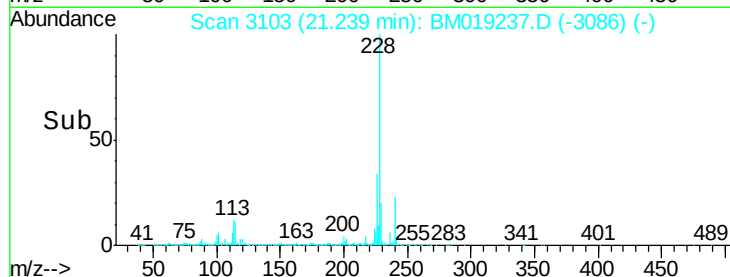
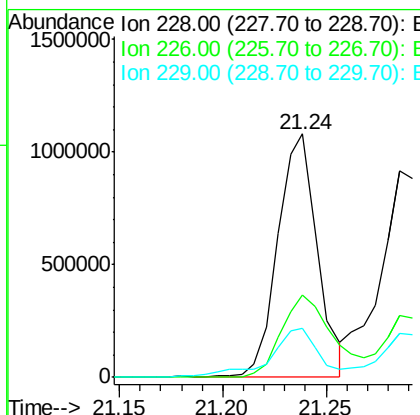
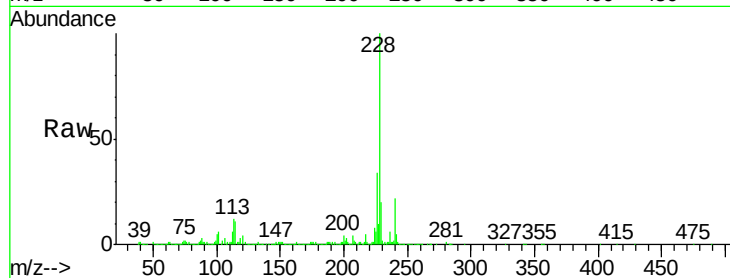
ClientSampled :

282-346DL

Tgt Ion:	228	Resp:	1439421
Ion Ratio	Lower	Upper	
228	100		
226	34.0	21.7	32.5#
229	20.4	15.6	23.4

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#83

Chrysene

Concen: 19.499 ng

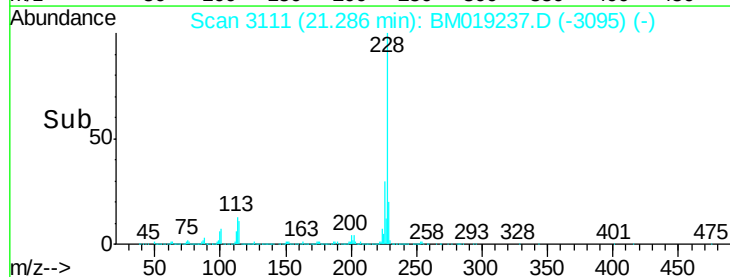
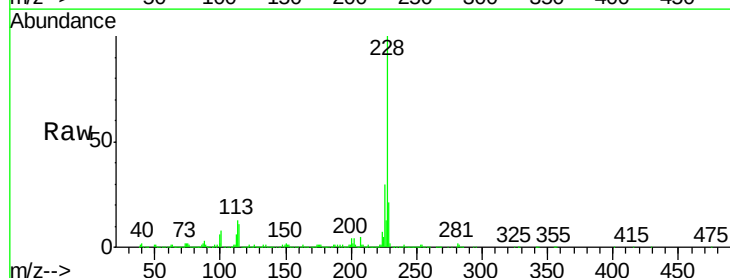
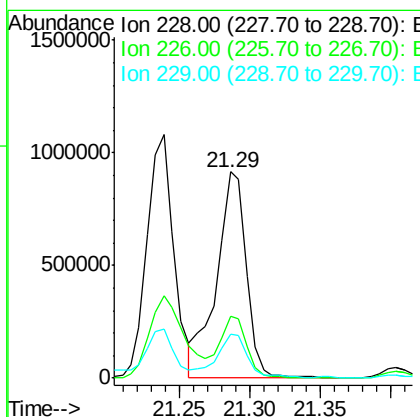
RT: 21.29 min Scan# 3111

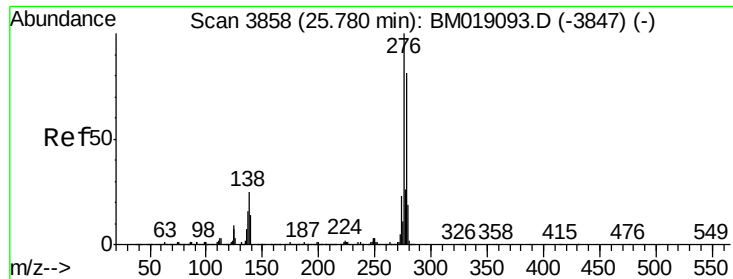
Delta R.T. -0.01 min

Lab File: BM019237.D

Acq: 19 Mar 2019 15:17

Tgt Ion:	228	Resp:	1333928
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.7	35.5
229	21.3	15.8	23.6





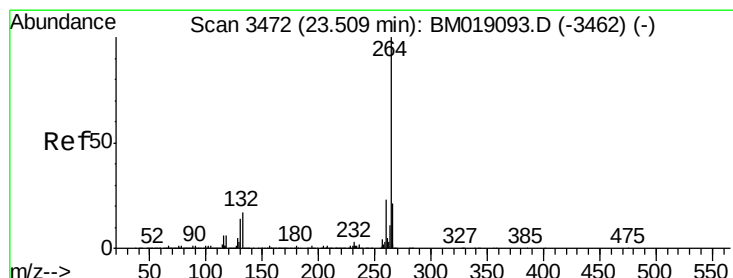
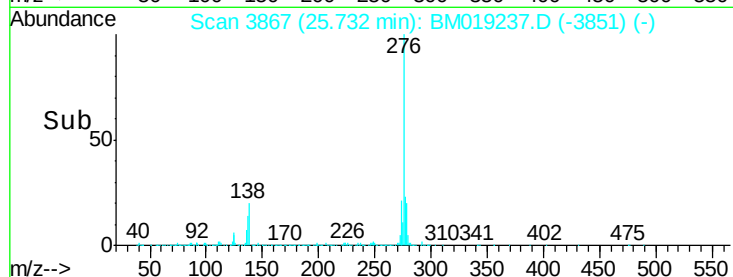
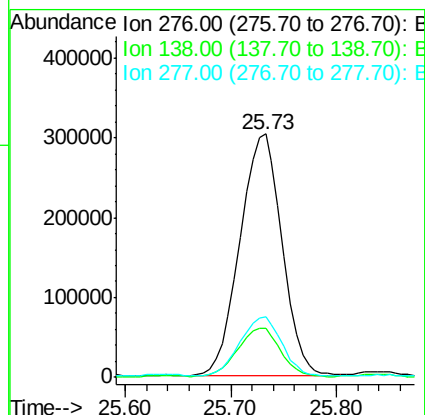
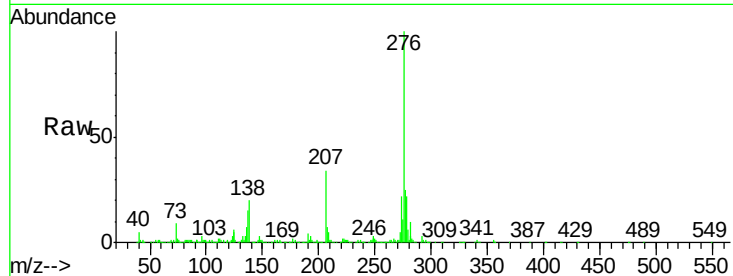
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.364 ng
RT: 25.73 min Scan# 3867
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :
282-346DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	20.2	19.6	29.4
277	24.5	20.4	30.6

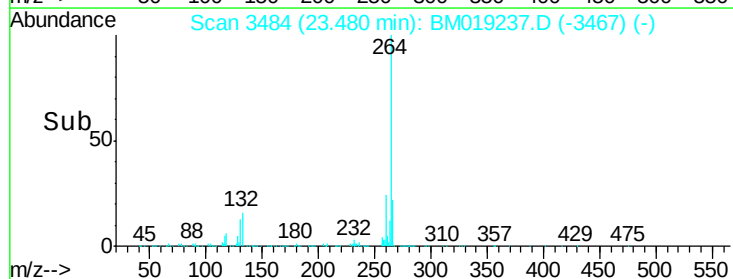
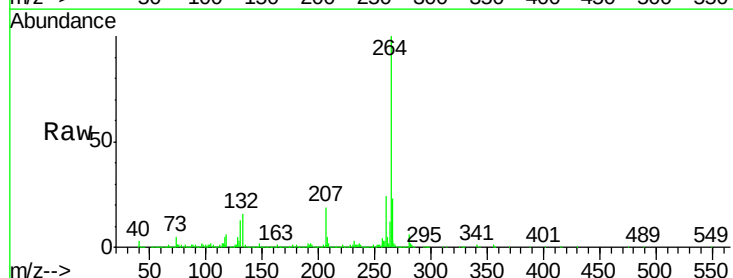
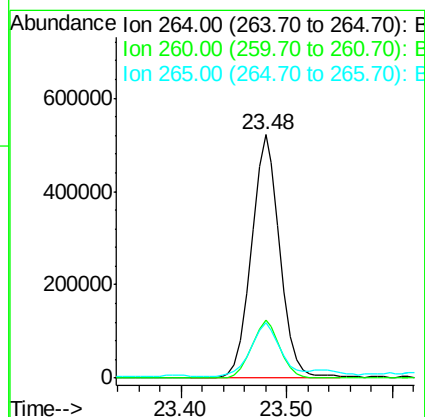
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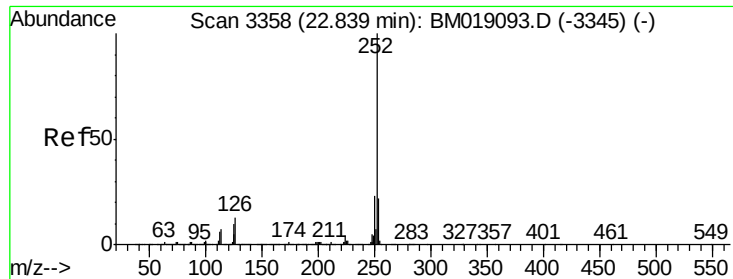
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.48 min Scan# 3484
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.7	18.8	28.2
265	22.7	17.7	26.5





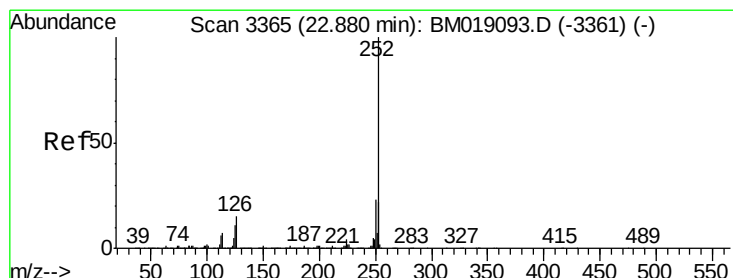
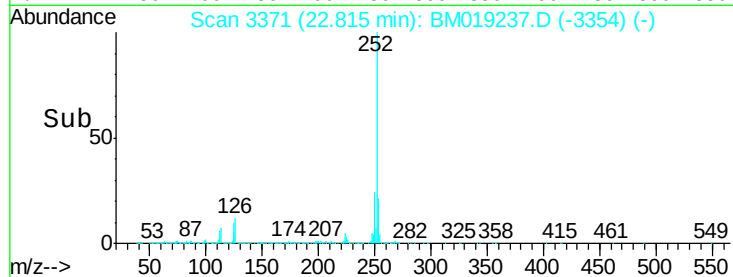
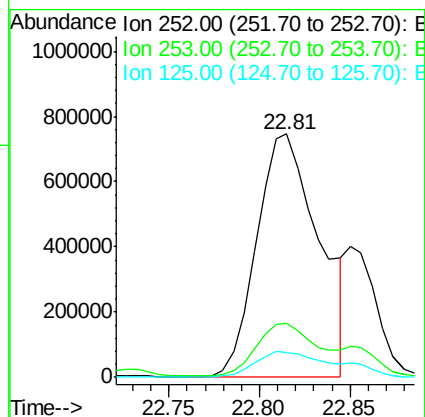
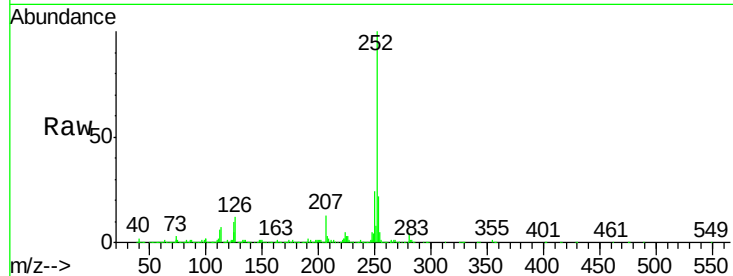
#88
Benzo(b)fluoranthene
Concen: 28.397 ng
RT: 22.81 min Scan# 3371
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :
282-346DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	10.3	7.7	11.5

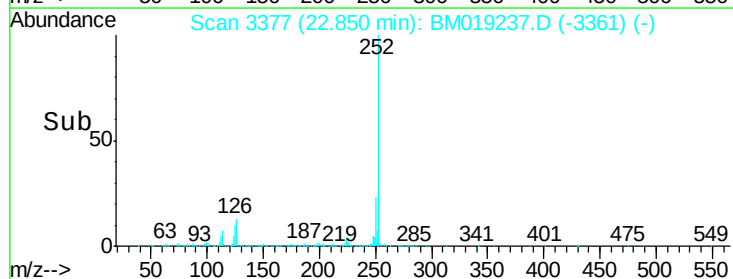
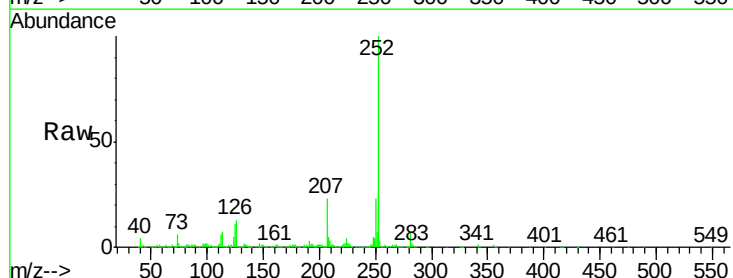
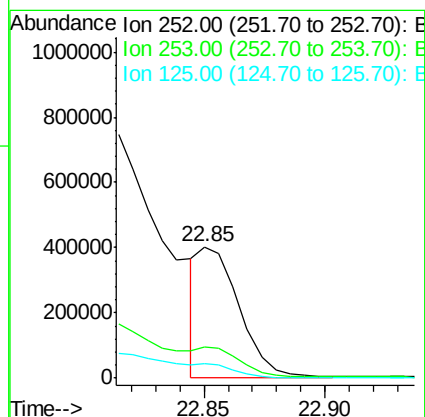
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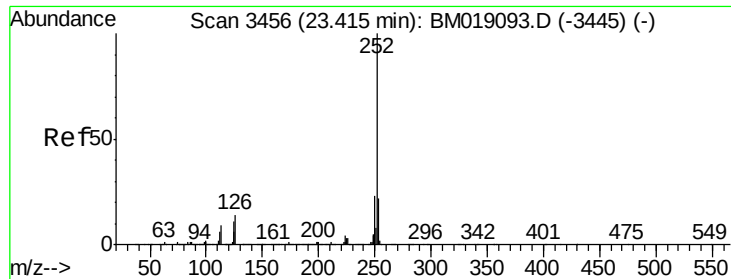
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#89
Benzo(k)fluoranthene
Concen: 8.181 ng m
RT: 22.85 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	10.6	8.2	12.2





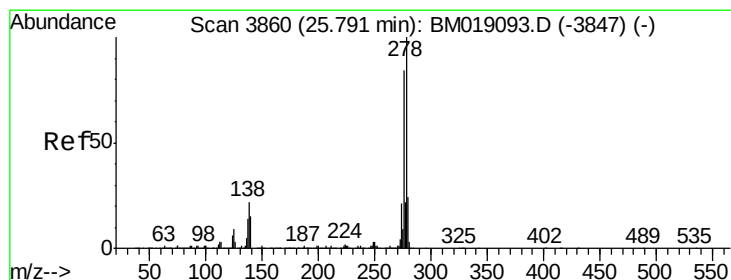
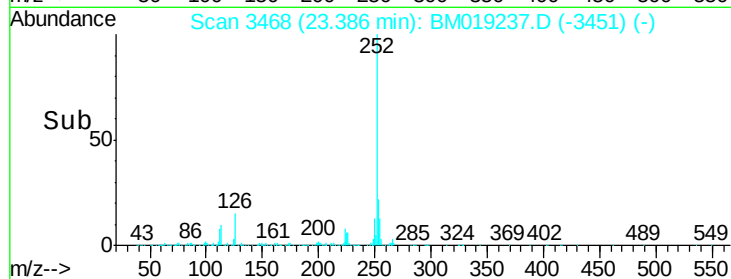
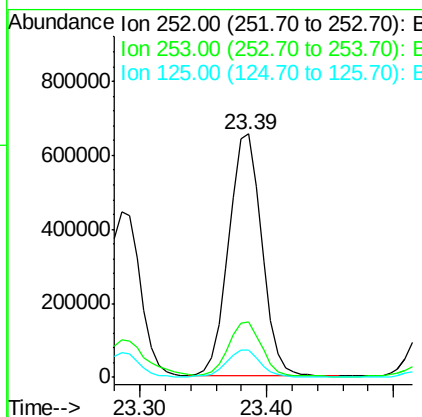
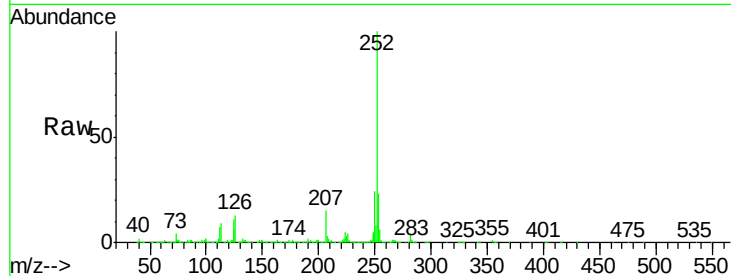
#90
Benzo(a)pyrene
Concen: 20.950 ng
RT: 23.39 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Instrument :
BNA_M
ClientSampleId :
282-346DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	11.2	9.0	13.6

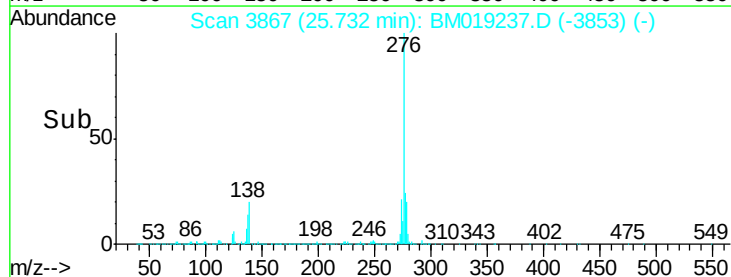
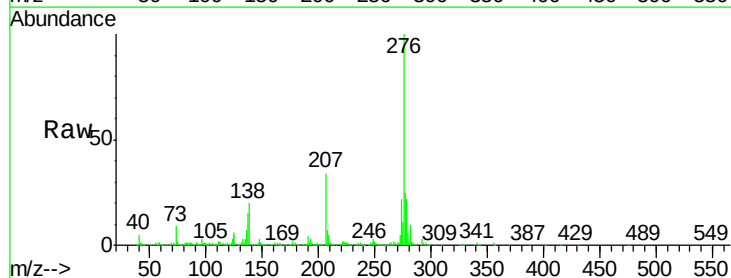
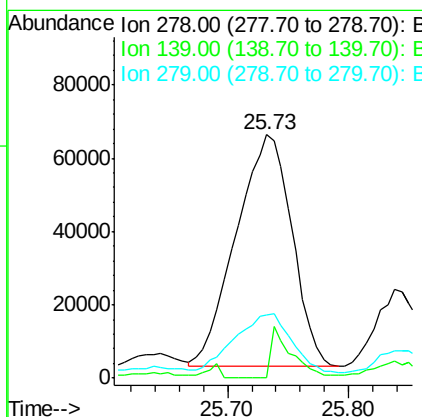
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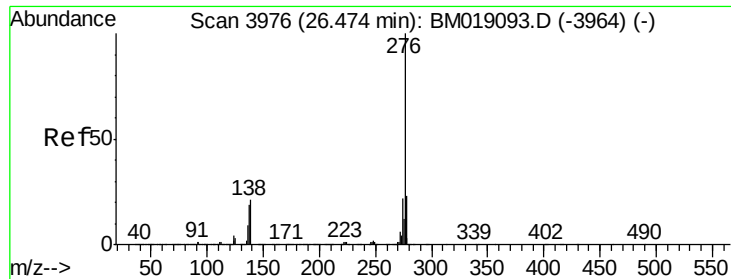
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#91
Dibenzo(a,h)anthracene
Concen: 3.762 ng
RT: 25.73 min Scan# 3867
Delta R.T. -0.02 min
Lab File: BM019237.D
Acq: 19 Mar 2019 15:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	26.0	19.0	28.4





#92
 Benzo(g,h,i)perylene
 Concen: 16.596 ng
 RT: 26.43 min Scan# 3985
 Delta R.T. -0.01 min
 Lab File: BM019237.D
 Acq: 19 Mar 2019 15:17

Instrument :
 BNA_M
 ClientSampleId :
 282-346DL

Tgt Ion:	276	Resp:	820780
Ion Ratio		Lower	Upper
276	100		
277	24.3	18.6	28.0
138	19.6	16.1	24.1

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