

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
 Data File : BM018525.D
 Acq On : 11 Jan 2019 01:05
 Operator : JU/SJ
 Sample : K1099-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-18

Manual Integrations
 APPROVED

Sohil
 1/11/2019 4:41:12 PM

Quant Time: Jan 11 04:16:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 10 05:57:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	590459	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	2489170	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	1435113	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3139592	20.00	ng	0.00
76) Chrysene-d12	21.35	240	2649463	20.00	ng	0.00
87) Perylene-d12	23.63	264	2279567	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	4363208	136.45	ng	0.00
7) Phenol-d6	6.94	99	6137403	151.11	ng	0.00
23) Nitrobenzene-d5	8.93	82	3775115	87.92	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	2453013	134.24	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	8364077	76.05	ng	0.00
79) Terphenyl-d14	19.79	244	11083340	88.18	ng	0.00
Target Compounds						
10) Phenol	6.96	94	103530	2.509	ng	86
50) Dimethylphthalate	13.86	163	2344806	19.895	ng	99
71) Phenanthrene	17.20	178	3235583	19.375	ng	99
72) Anthracene	17.29	178	746720	4.650	ng	100
75) Fluoranthene	19.22	202	4997742	25.958	ng	98
78) Pyrene	19.59	202	4260112	27.126	ng	99
80) Butylbenzylphthalate	20.49	149	242714	3.622	ng	97
81) Benzo(a)anthracene	21.33	228	1861604	11.927	ng	98
83) Chrysene	21.39	228	1566476	10.393	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	784356	4.513	ng	# 93
88) Benzo(b)fluoranthene	22.94	252	1896001m	14.650	ng	
89) Benzo(k)fluoranthene	22.99	252	466786m	3.579	ng	
90) Benzo(a)pyrene	23.53	252	1289151	10.405	ng	97
92) Benzo(a,h,i)perylene	26.66	276	768637	6.292	ng	96

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

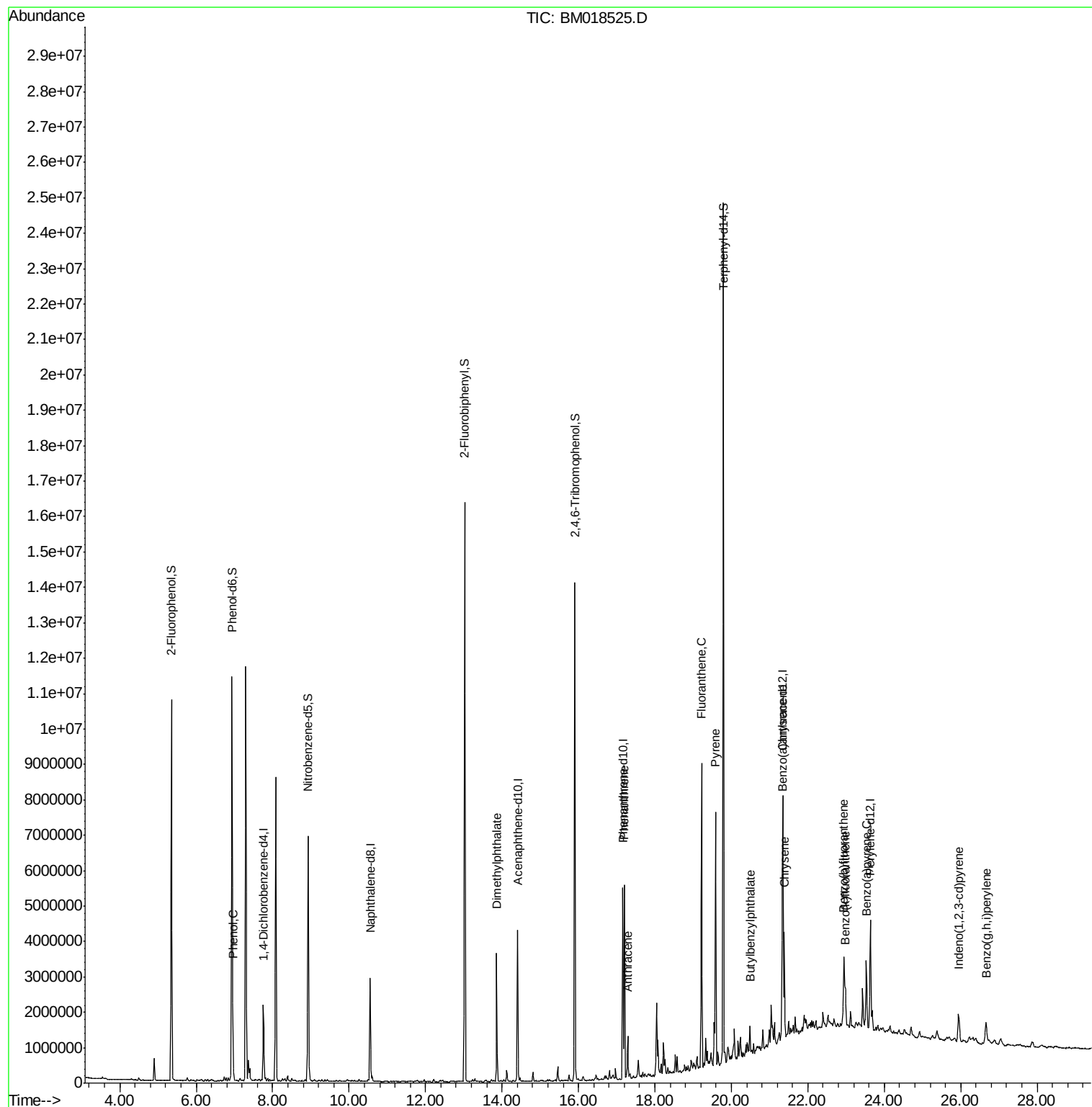
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011019\
Data File : BM018525.D
Acq On : 11 Jan 2019 01:05
Operator : JU/SJ
Sample : K1099-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

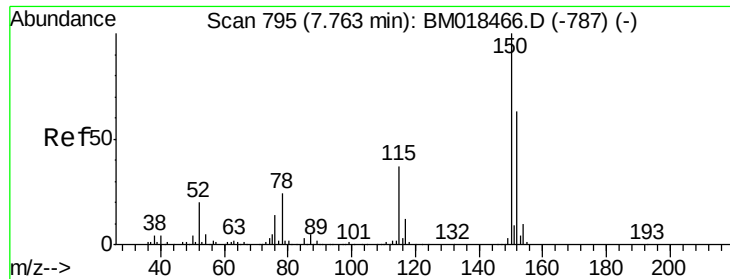
Instrument :
BNA_M
ClientSampleId :
TP-18

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Quant Time: Jan 11 04:16:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

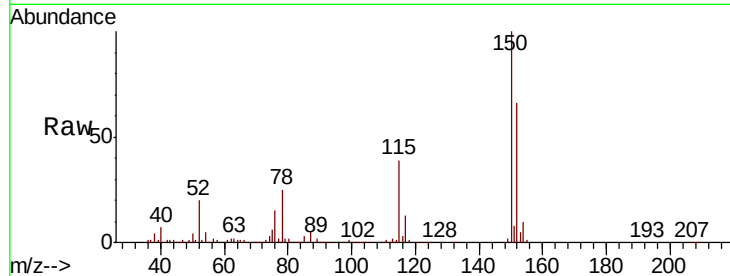
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.9	190.3
115	58.6	45.5	68.3

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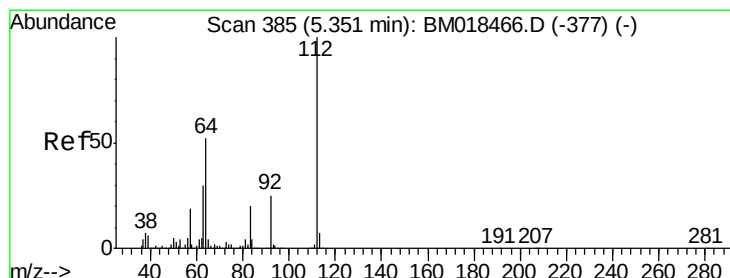
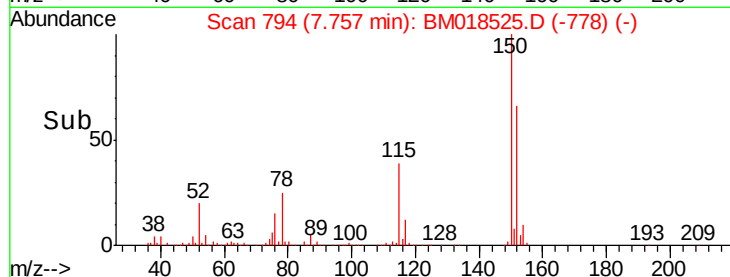
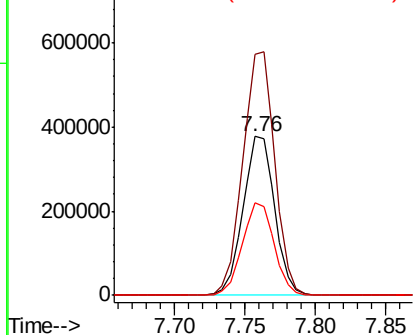


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

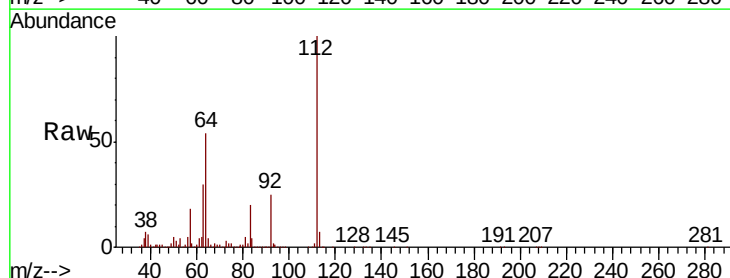
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 136.447 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	46.5	69.7
63	29.7	25.2	37.8

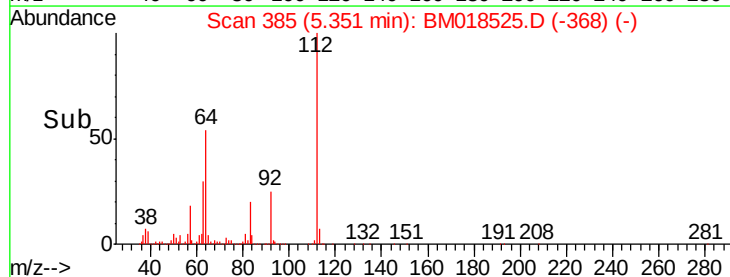
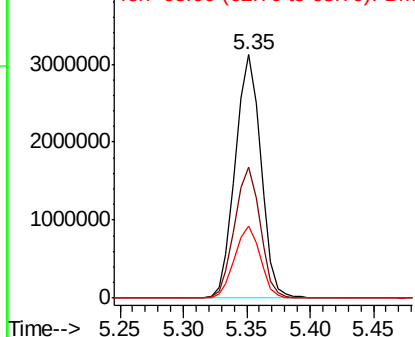


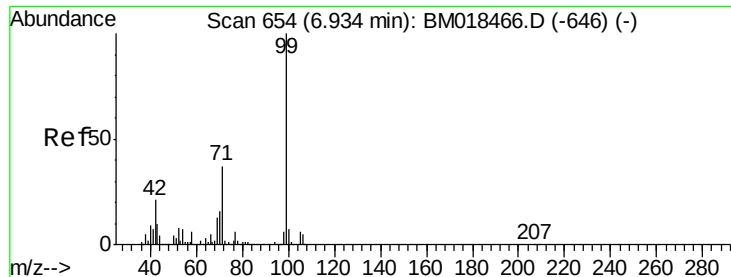
Abundance

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: 151.112 ng

RT: 6.94 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampled :

TP-18

Tot Ion: 99 Resp: 6137403

Ion Ratio Lower Upper

99 100

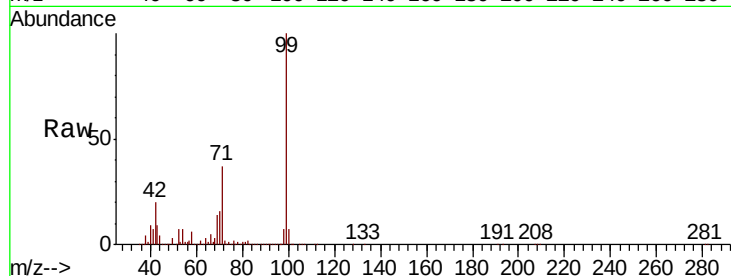
42 20.1 17.3 25.9

71 36.9 28.0 42.0

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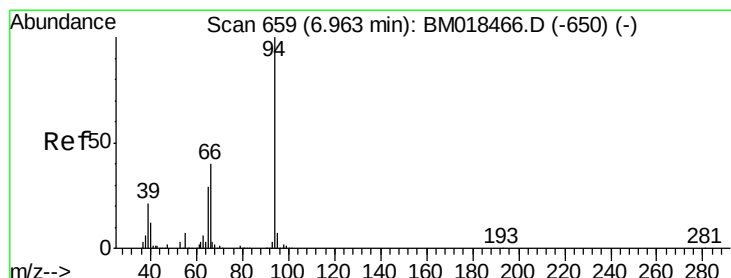
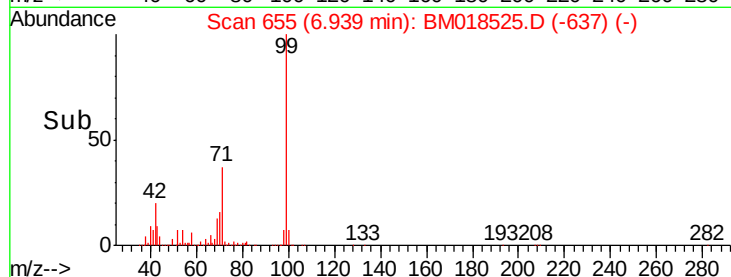
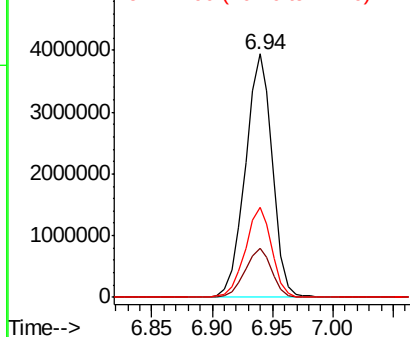


Abundance

Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#10

Phenol

Concen: 2.509 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

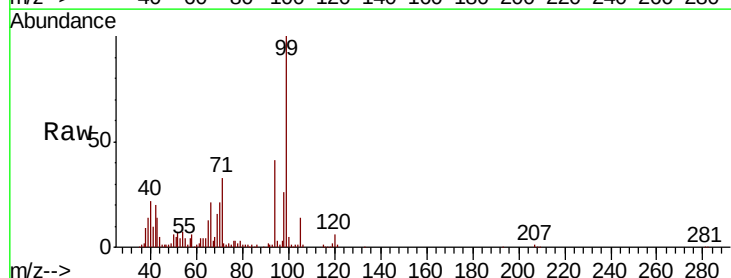
Tgt Ion: 94 Resp: 103530

Ion Ratio Lower Upper

94 100

65 32.9 9.4 49.4

66 51.5 19.1 59.1

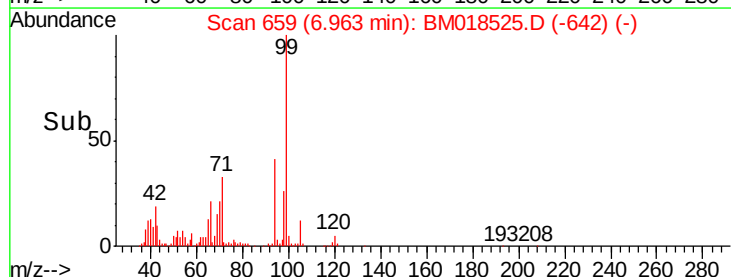
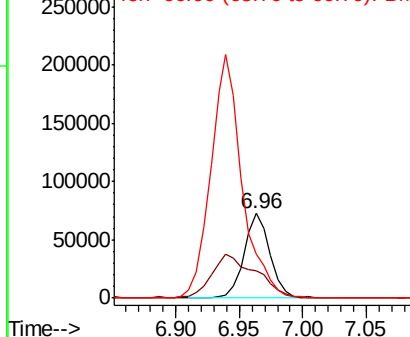


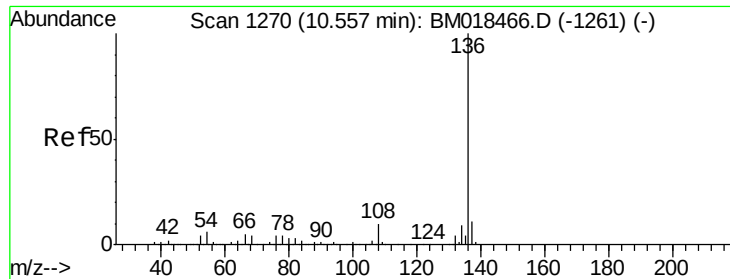
Abundance

Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)





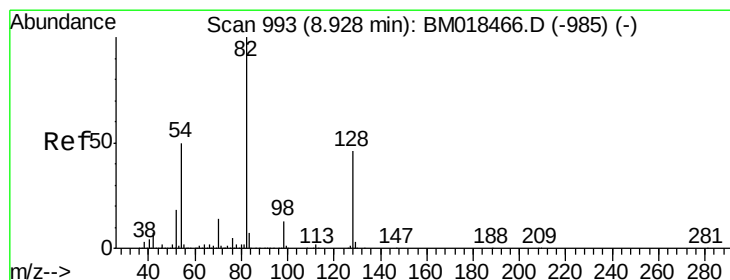
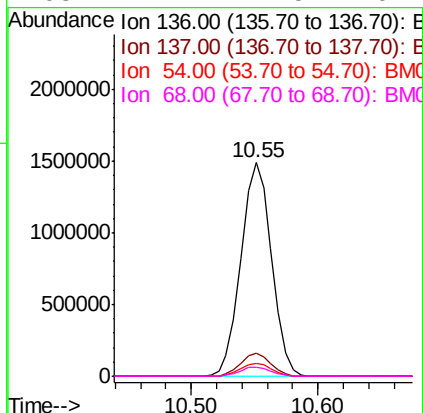
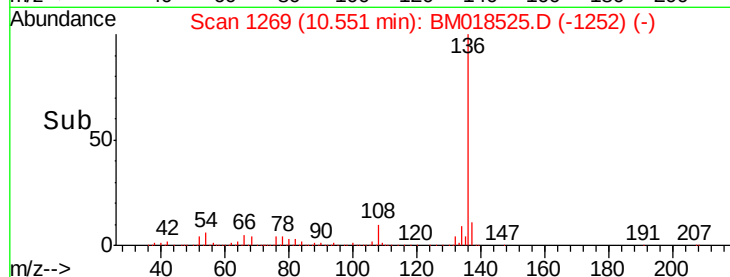
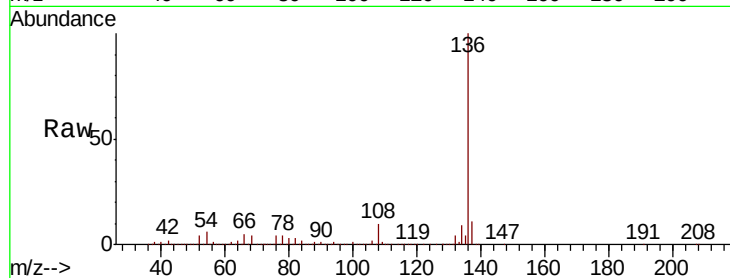
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	6.3	6.0	9.0
68	4.4	4.5	6.7#

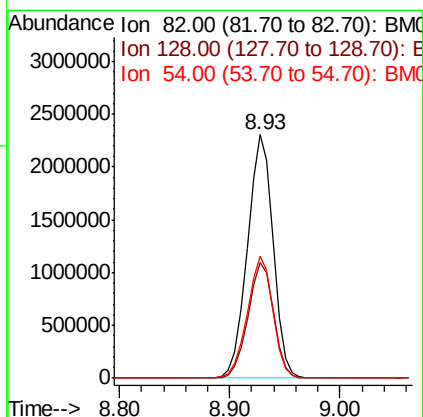
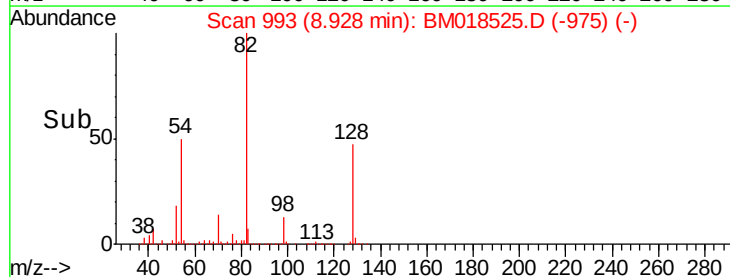
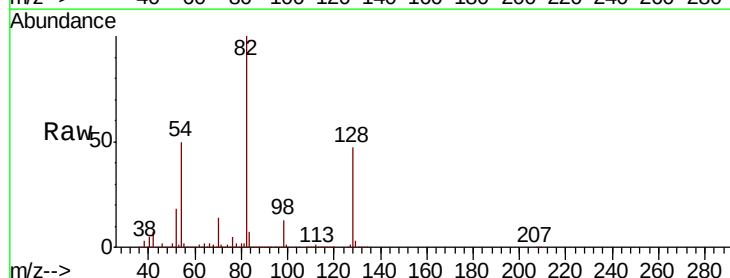
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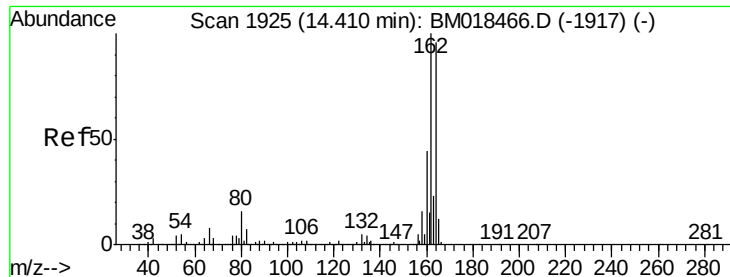
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#23
Nitrobenzene-d5
Concen: 87.920 ng
RT: 8.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.3	54.5
54	50.1	41.7	62.5





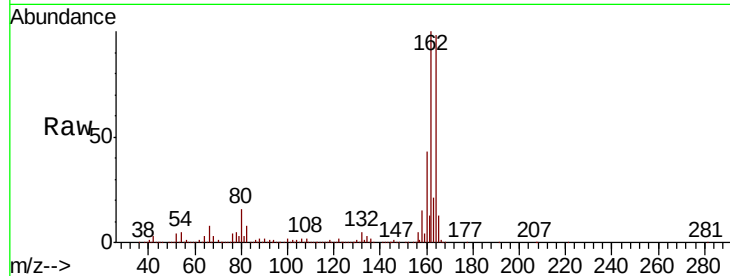
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	83.0	124.4
160	44.2	37.1	55.7

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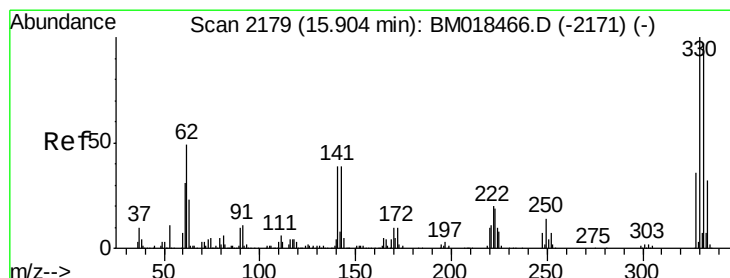
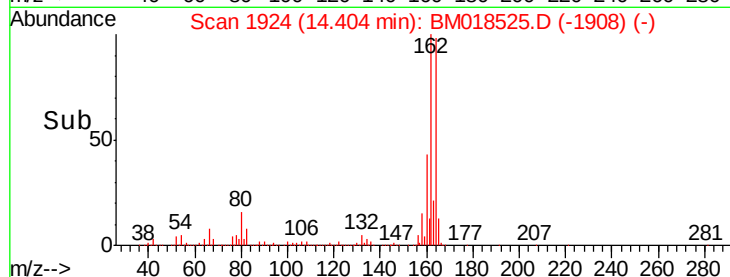
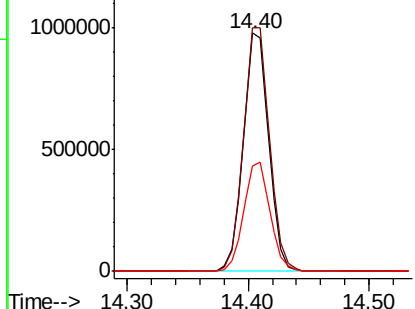


Abundance

Ion 164.00 (163.70 to 164.70): E

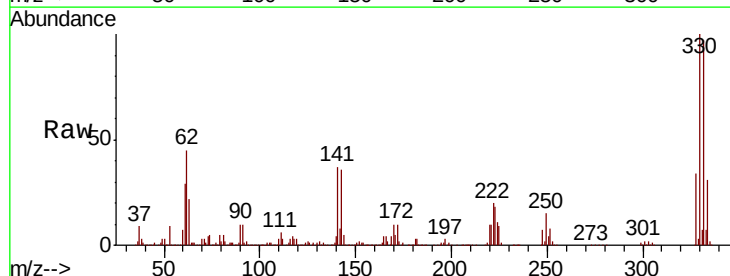
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 134.242 ng
RT: 15.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.6	116.4
141	38.3	31.7	47.5

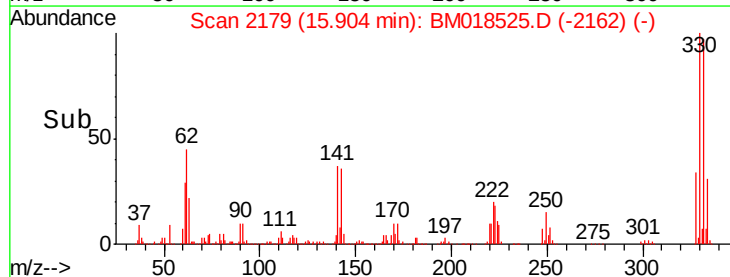
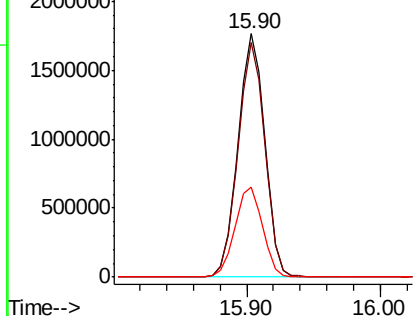


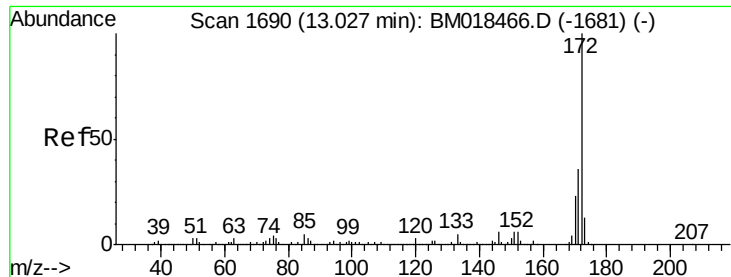
Abundance

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





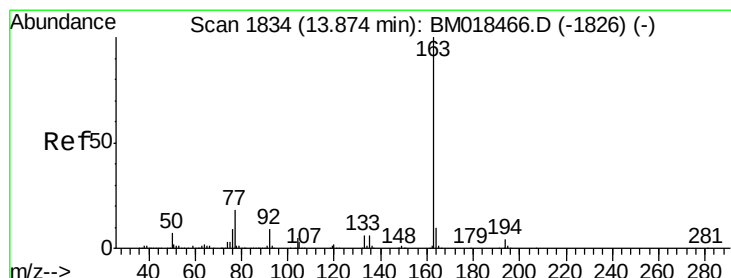
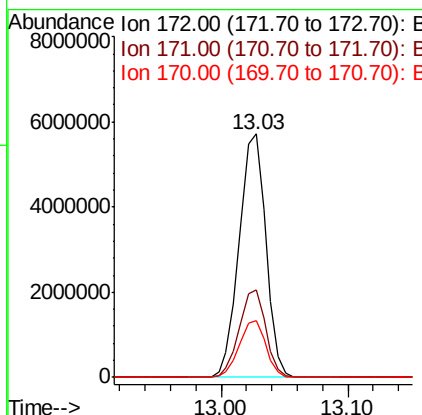
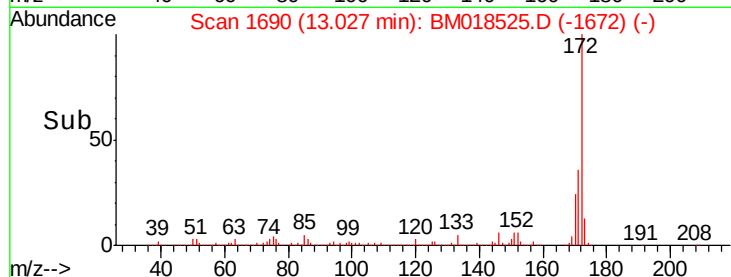
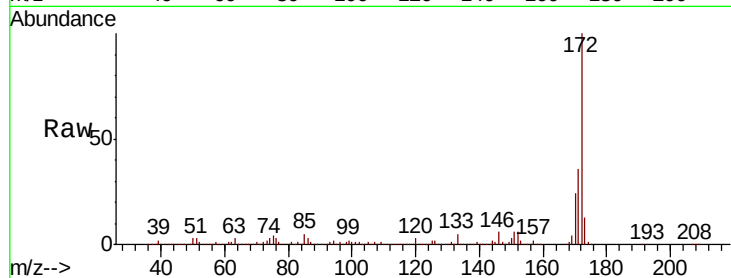
#45
2-Fluorobiphenyl
Concen: 76.050 ng
RT: 13.03 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampleId :
TP-18

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.6	18.9	28.3

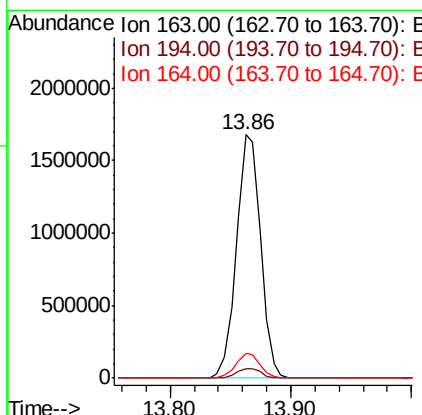
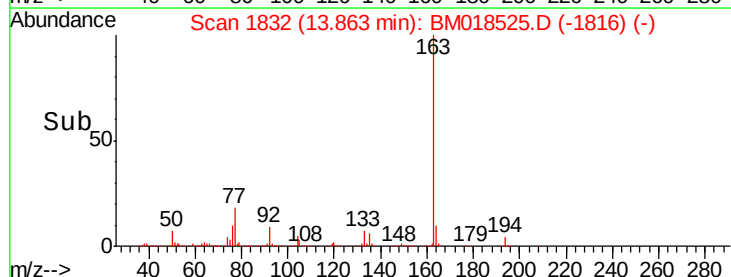
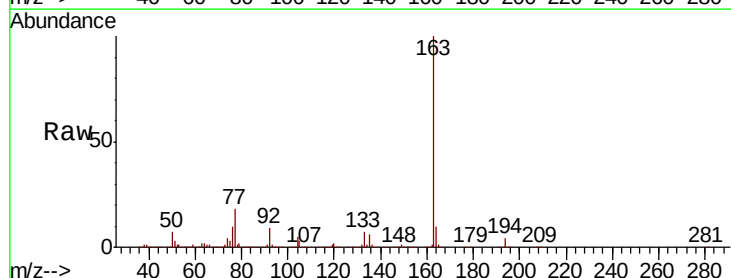
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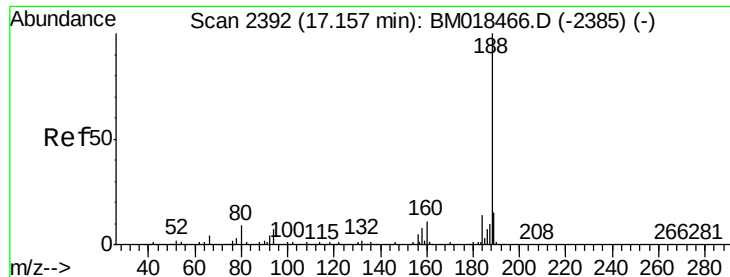
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#50
Dimethylphthalate
Concen: 19.895 ng
RT: 13.86 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.4	7.8	11.8





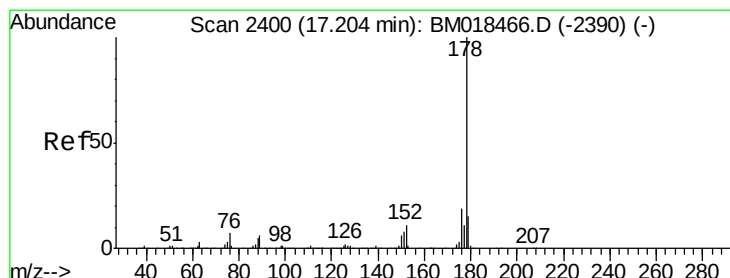
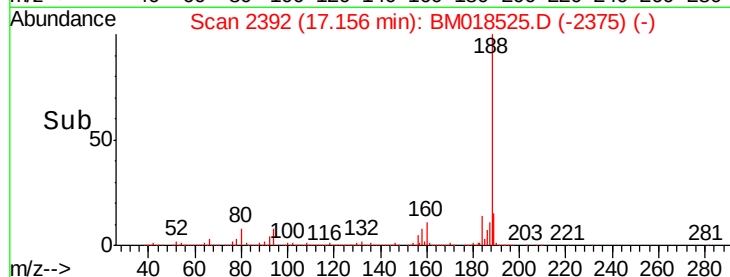
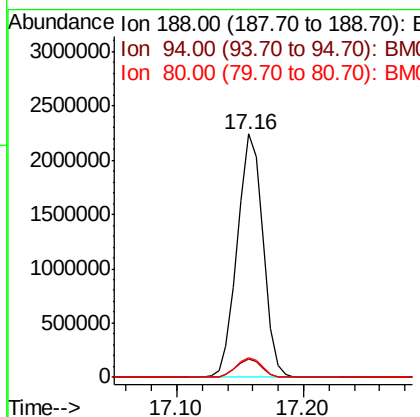
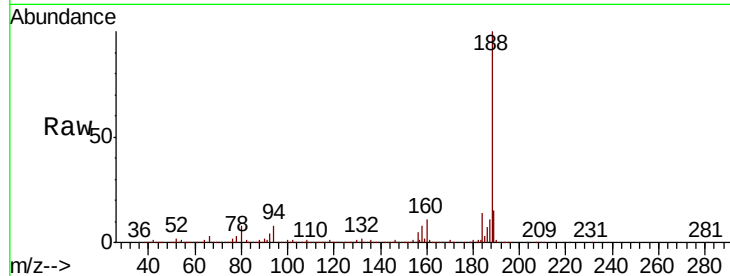
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.7	7.1	10.7
80	8.2	7.6	11.4

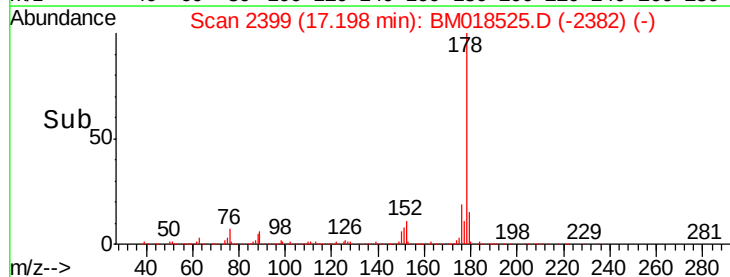
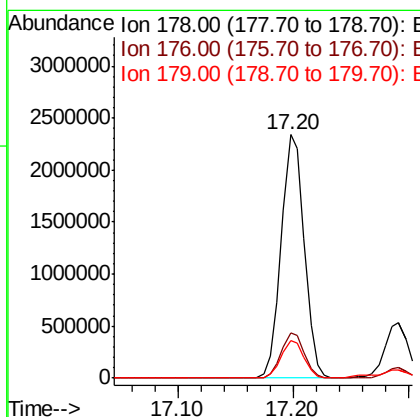
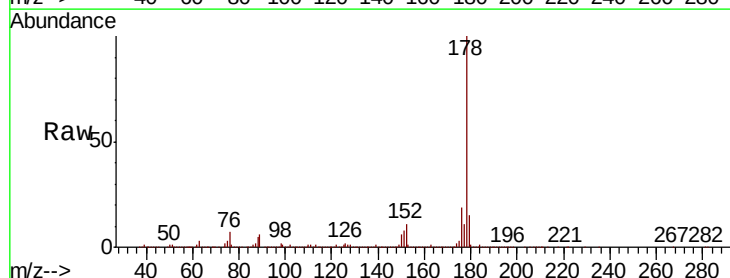
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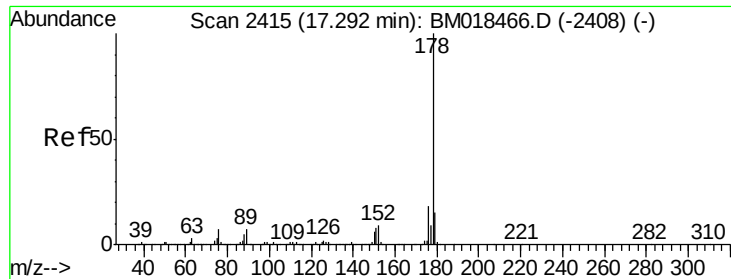
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#71
Phenanthrene
Concen: 19.375 ng
RT: 17.20 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.3	12.2	18.4





#72

Anthracene

Concen: 4.650 ng

RT: 17.29 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

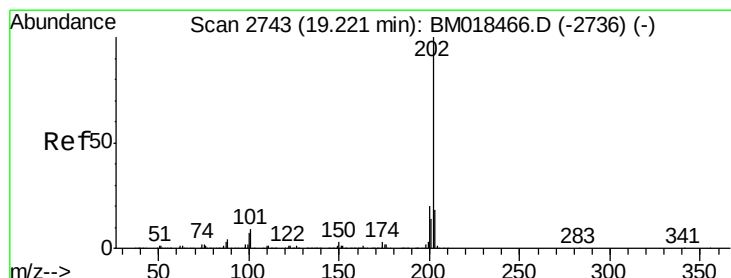
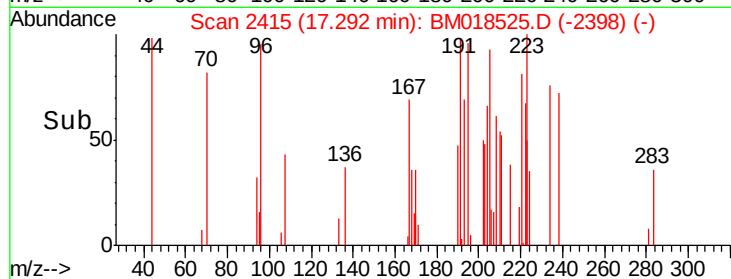
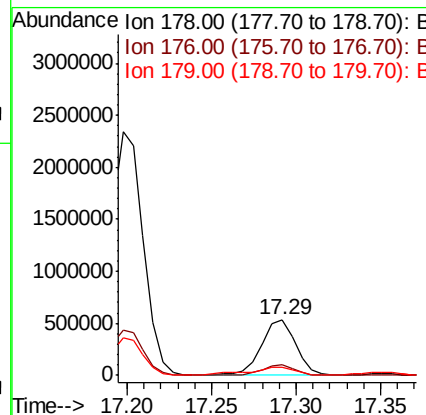
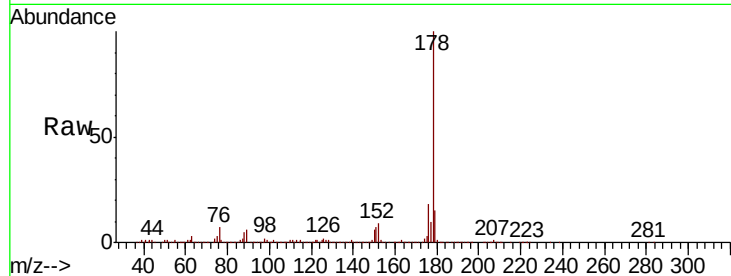
ClientSampled :

TP-18

Tot Ion:	178	Resp:	746720
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.7	22.1
179	15.3	12.2	18.4

Manual Integrations
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#75

Fluoranthene

Concen: 25.958 ng

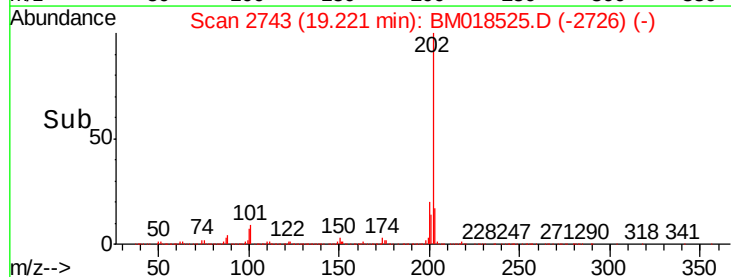
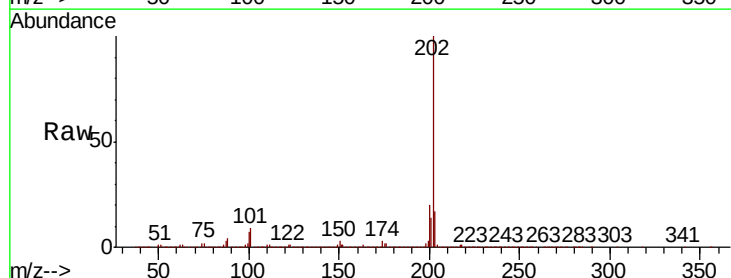
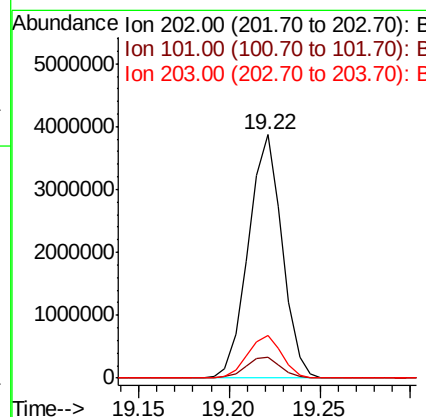
RT: 19.22 min Scan# 2743

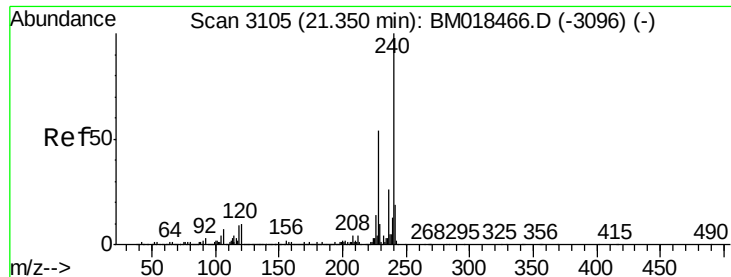
Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Tgt Ion:	202	Resp:	4997742
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	30.9
203	17.5	0.0	37.4





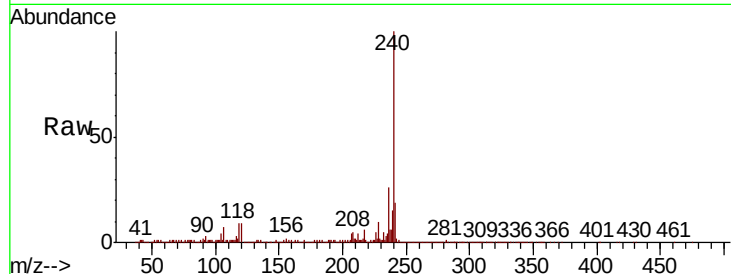
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.35 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.9	20.7	31.1

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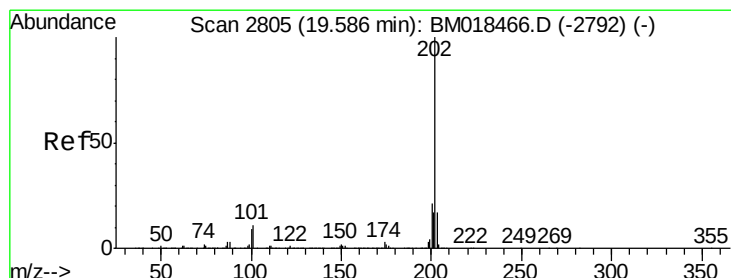
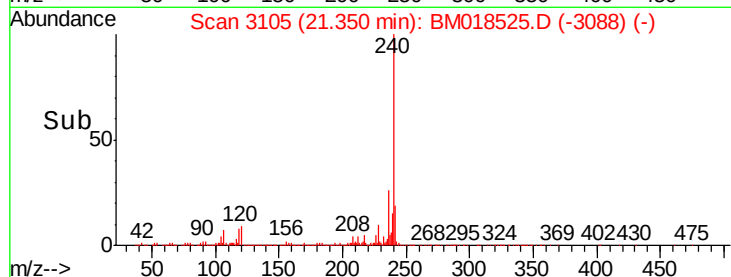
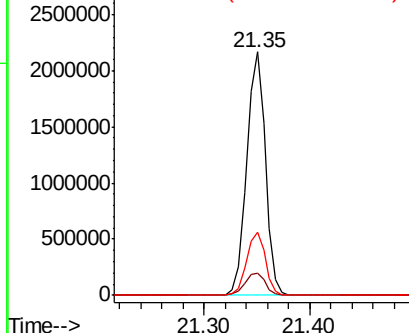


Abundance

Ion 240.00 (239.70 to 240.70): E

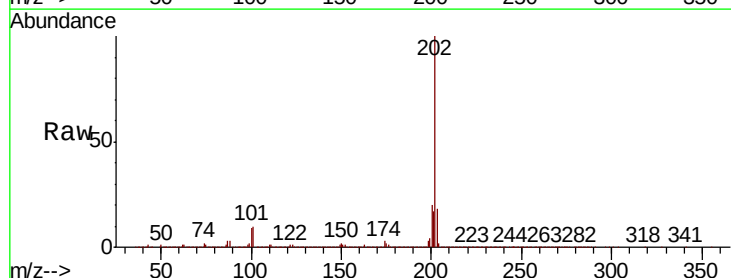
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 27.126 ng
RT: 19.59 min Scan# 2805
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	24.8
203	17.7	13.8	20.8

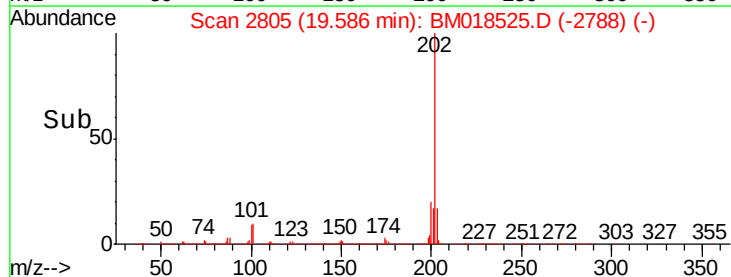
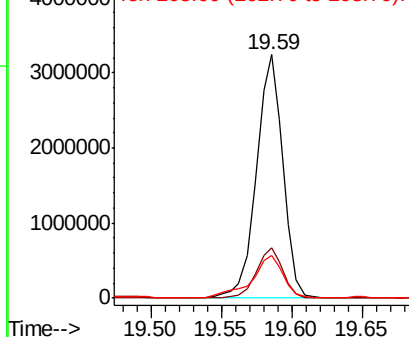


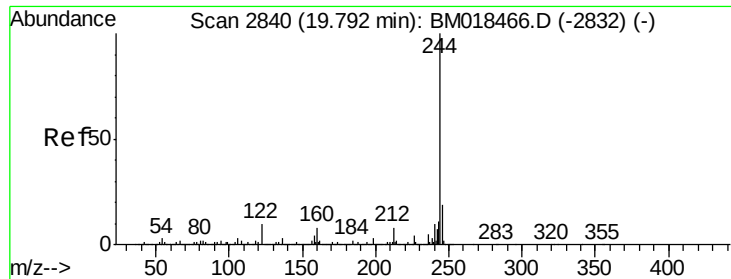
Abundance

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: 88.184 ng
 RT: 19.79 min Scan# 2840
 Delta R.T. 0.01 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

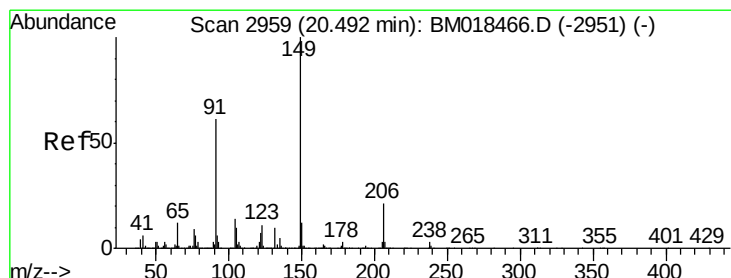
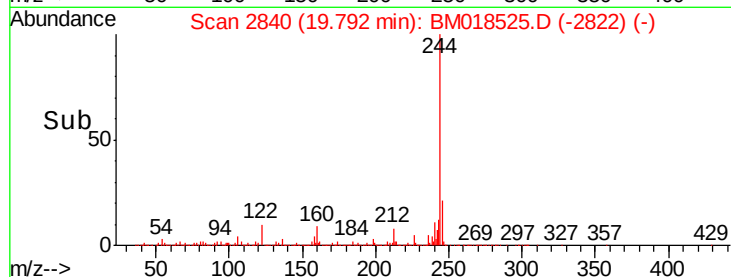
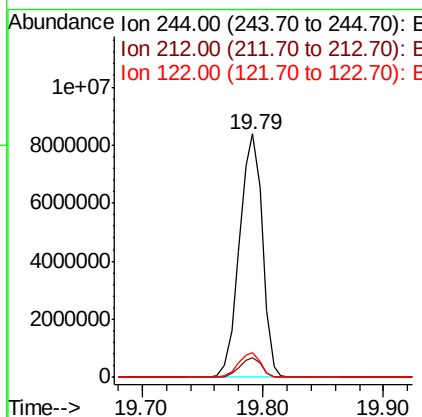
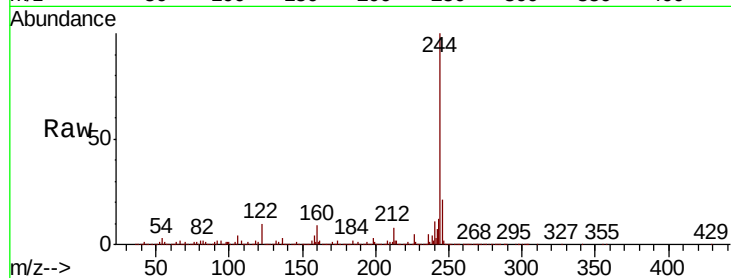
Instrument :
 BNA_M
 ClientSampled :
 TP-18

Tot Ion:244 Resp:11083340

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.9	8.9
122	10.3	9.0	13.4

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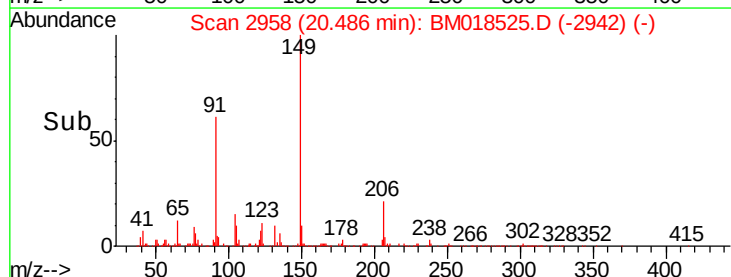
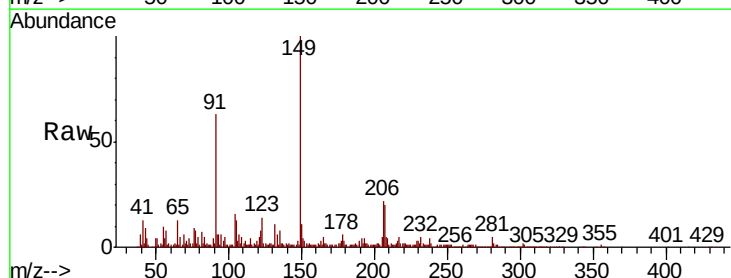
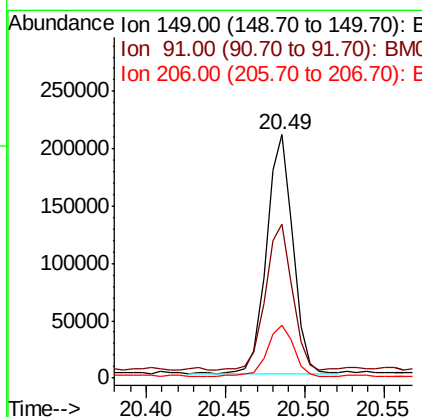
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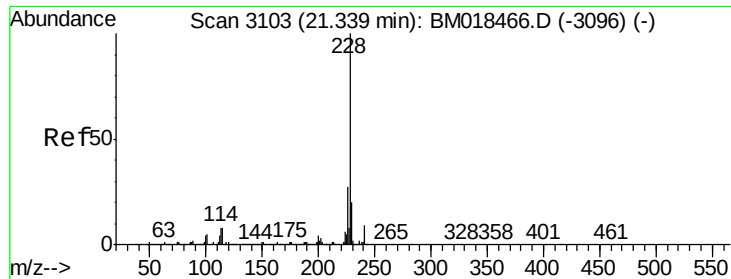


#80
 Butylbenzylphthalate
 Concen: 3.622 ng
 RT: 20.49 min Scan# 2958
 Delta R.T. -0.01 min
 Lab File: BM018525.D
 Acq: 11 Jan 2019 01:05

Tgt Ion:149 Resp: 242714

Ion	Ratio	Lower	Upper
149	100		
91	63.4	53.1	79.7
206	21.5	16.2	24.4





#81

Benzo(a)anthracene

Concen: 11.927 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Instrument :

BNA_M

ClientSampled :

TP-18

Tot Ion:228 Resp: 1861604

Ion Ratio Lower Upper

228 100

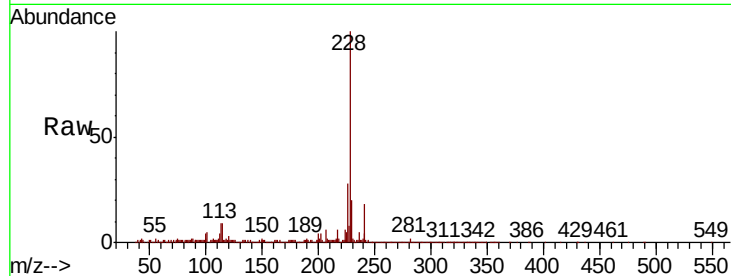
226 28.1 21.8 32.6

229 20.3 15.8 23.8

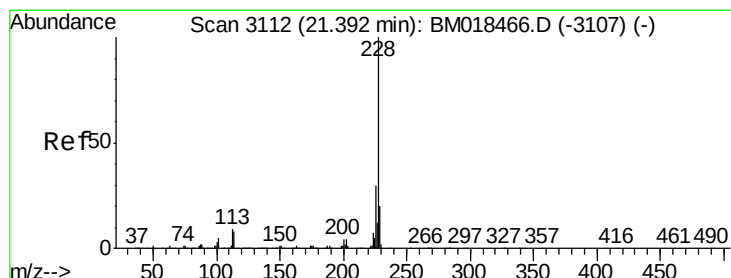
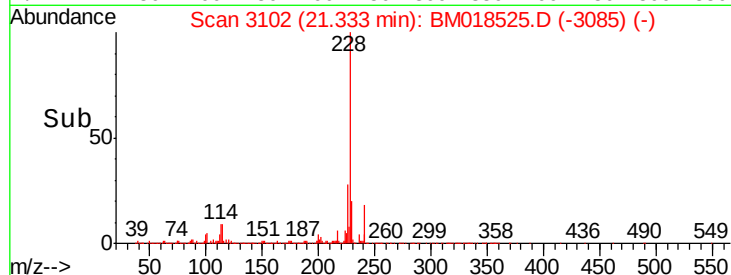
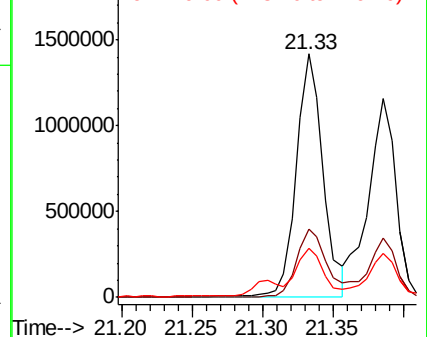
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.393 ng

RT: 21.39 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM018525.D

Acq: 11 Jan 2019 01:05

Tgt Ion:228 Resp: 1566476

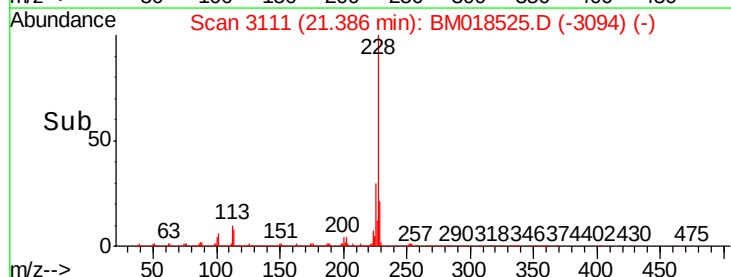
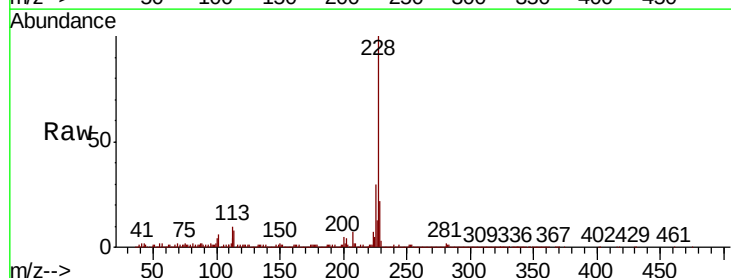
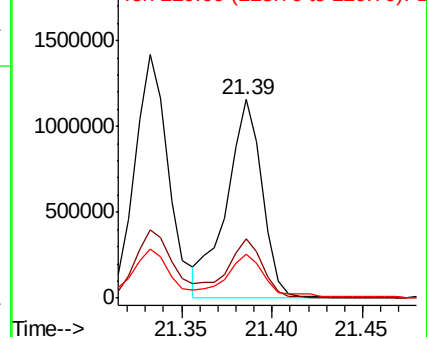
Ion Ratio Lower Upper

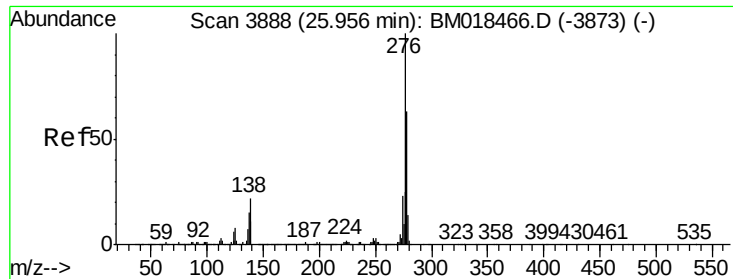
228 100

226 29.7 24.2 36.2

229 22.4 15.6 23.4

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





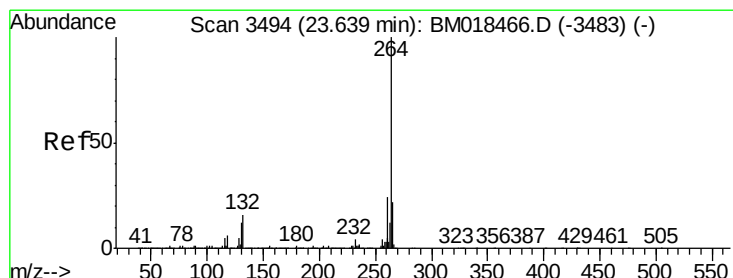
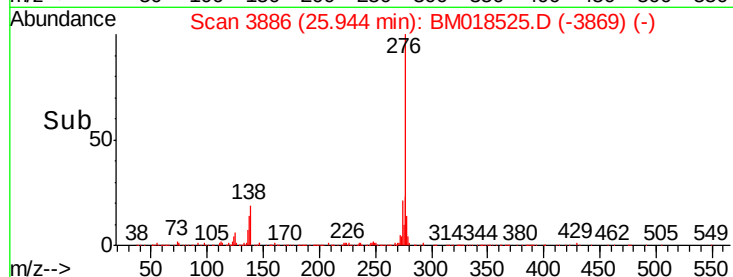
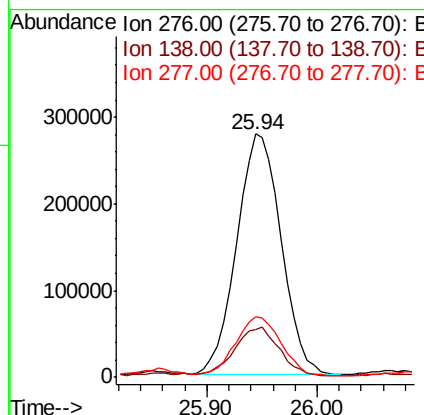
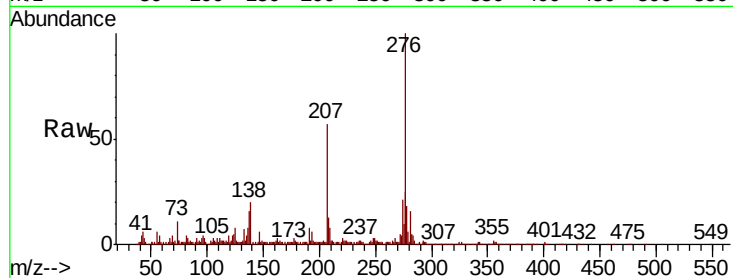
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.513 ng
RT: 25.94 min Scan# 3886
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	21.5	32.3#
277	24.9	20.2	30.2

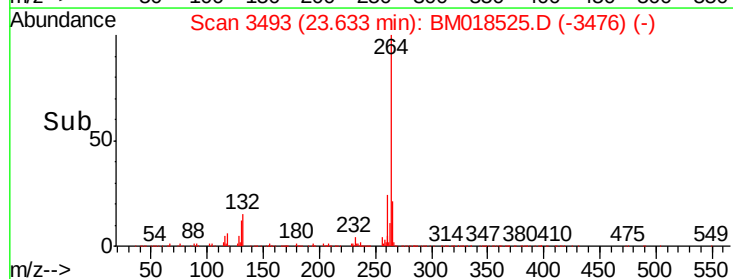
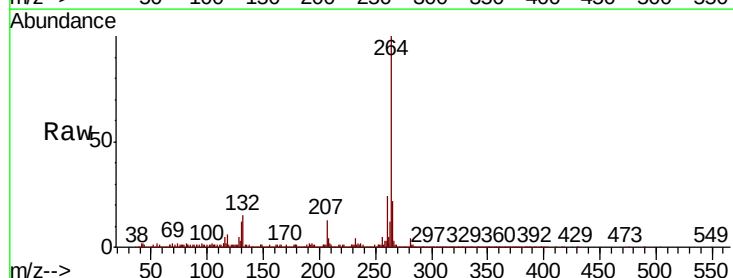
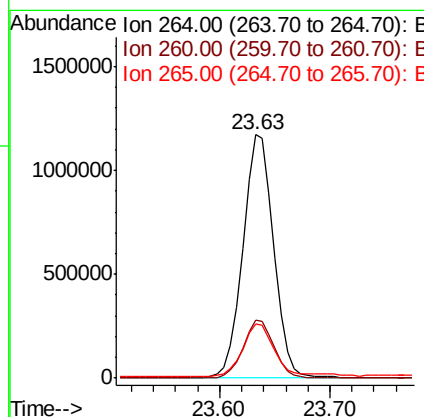
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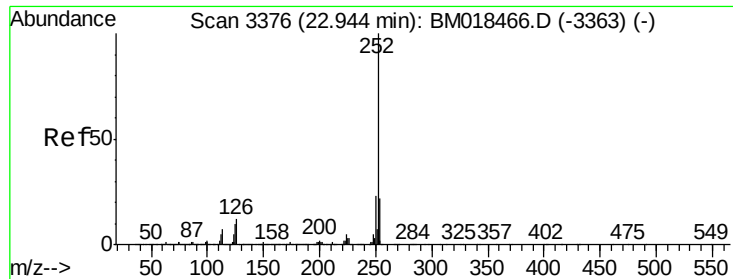
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.63 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.0	16.8	25.2





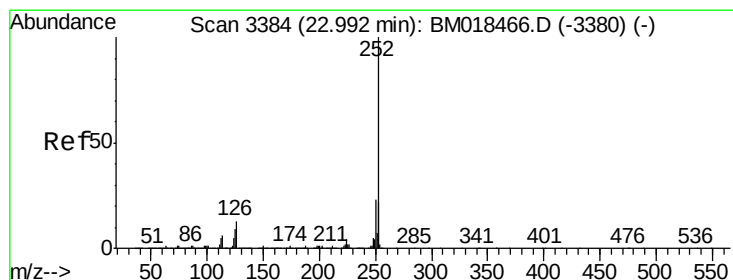
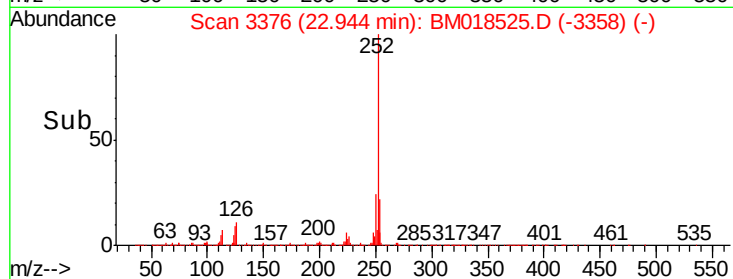
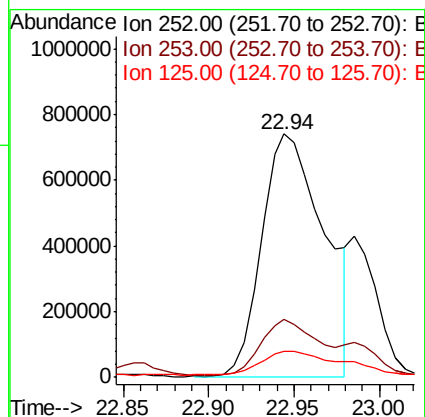
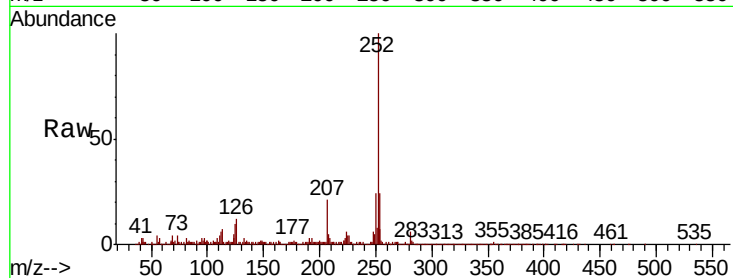
#88
Benzo(b)fluoranthene
Concen: 14.650 ng m
RT: 22.94 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.6	26.4
125	10.5	8.5	12.7

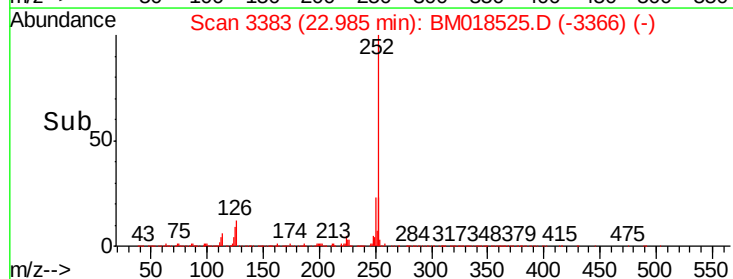
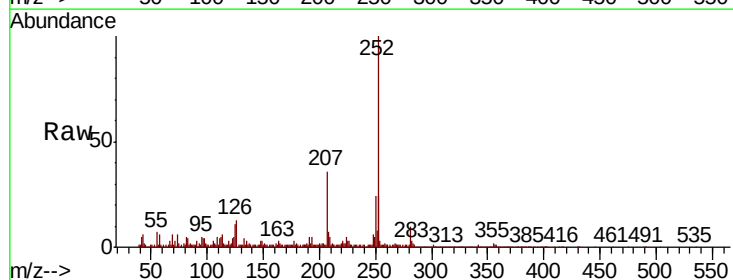
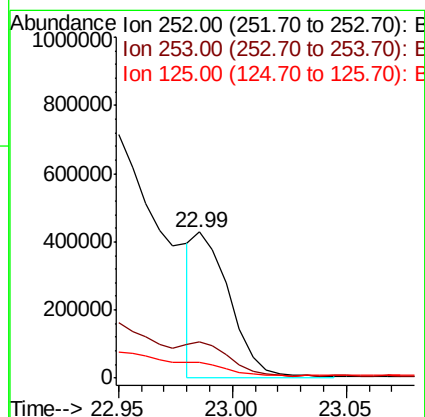
Manual Integrations
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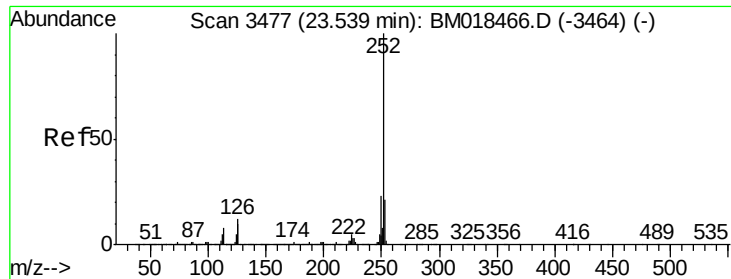
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#89
Benzo(k)fluoranthene
Concen: 3.579 ng m
RT: 22.99 min Scan# 3383
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	10.8	8.6	12.8





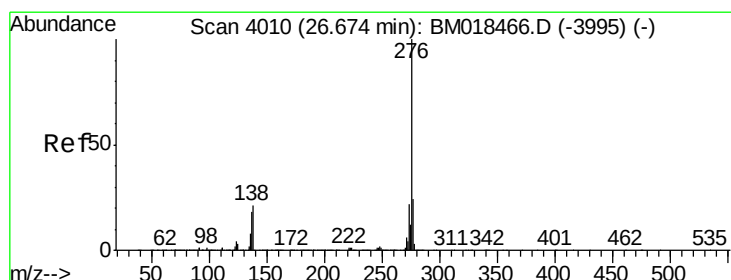
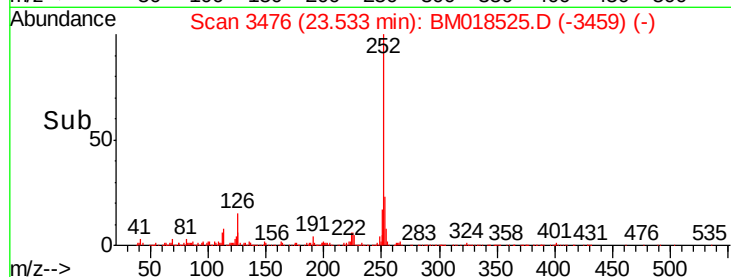
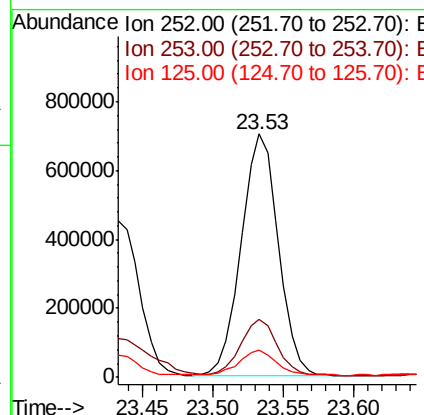
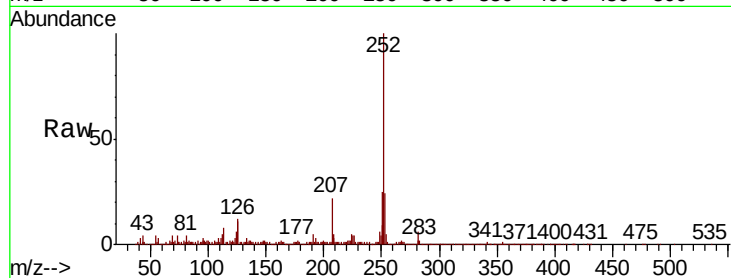
#90
Benzo(a)pyrene
Concen: 10.405 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Instrument :
BNA_M
ClientSampled :
TP-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.3	9.7	14.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.292 ng
RT: 26.66 min Scan# 4008
Delta R.T. 0.01 min
Lab File: BM018525.D
Acq: 11 Jan 2019 01:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.0	28.4
138	20.6	18.1	27.1

