

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016240.D
 Acq On : 08 Aug 2018 05:20
 Operator : SJ/JU
 Sample : J4310-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-4

Manual Integrations
 APPROVED

Sohil
 8/8/2018 5:35:14 PM

Quant Time: Aug 08 07:18:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 07 16:15:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	47678	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	199783	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	110251	20.00	ng	-0.01
63) Phenanthrene-d10	17.51	188	253450	20.00	ng	0.00
75) Chrysene-d12	21.64	240	275292	20.00	ng	0.00
86) Perylene-d12	23.98	264	229749	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	239454	83.43	ng	0.00
7) Phenol-d6	7.30	99	317231	84.63	ng	0.00
23) Nitrobenzene-d5	9.32	82	213297	49.66	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	112758	80.64	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	434049	47.90	ng	0.00
78) Terphenyl-d14	20.09	244	768048	58.40	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.22	163	35177	3.646	ng	Qvalue # 97
70) Phenanthrene	17.55	178	287124	20.235	ng	99
71) Anthracene	17.64	178	65754	4.768	ng	97
72) Carbazole	17.92	167	29070	2.035	ng	# 92
74) Fluoranthene	19.54	202	522927	33.038	ng	98
77) Pyrene	19.90	202	466355	28.268	ng	99
80) Benzo(a)anthracene	21.62	228	272763	16.087	ng	99
82) Chrysene	21.67	228	245813m	15.113	ng	
85) Indeno(1,2,3-cd)pyrene	26.36	276	122909	6.368	ng	# 94
87) Benzo(b)fluoranthene	23.27	252	294041	21.737	ng	# 97
88) Benzo(k)fluoranthene	23.32	252	89510m	6.529	ng	
89) Benzo(a)pyrene	23.87	252	189310	14.558	ng	99
90) Dibenzo(a,h)anthracene	26.36	278	38291	2.842	ng	98
91) Benzo(g,h,i)perylene	27.10	276	115094	9.032	ng	# 90

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

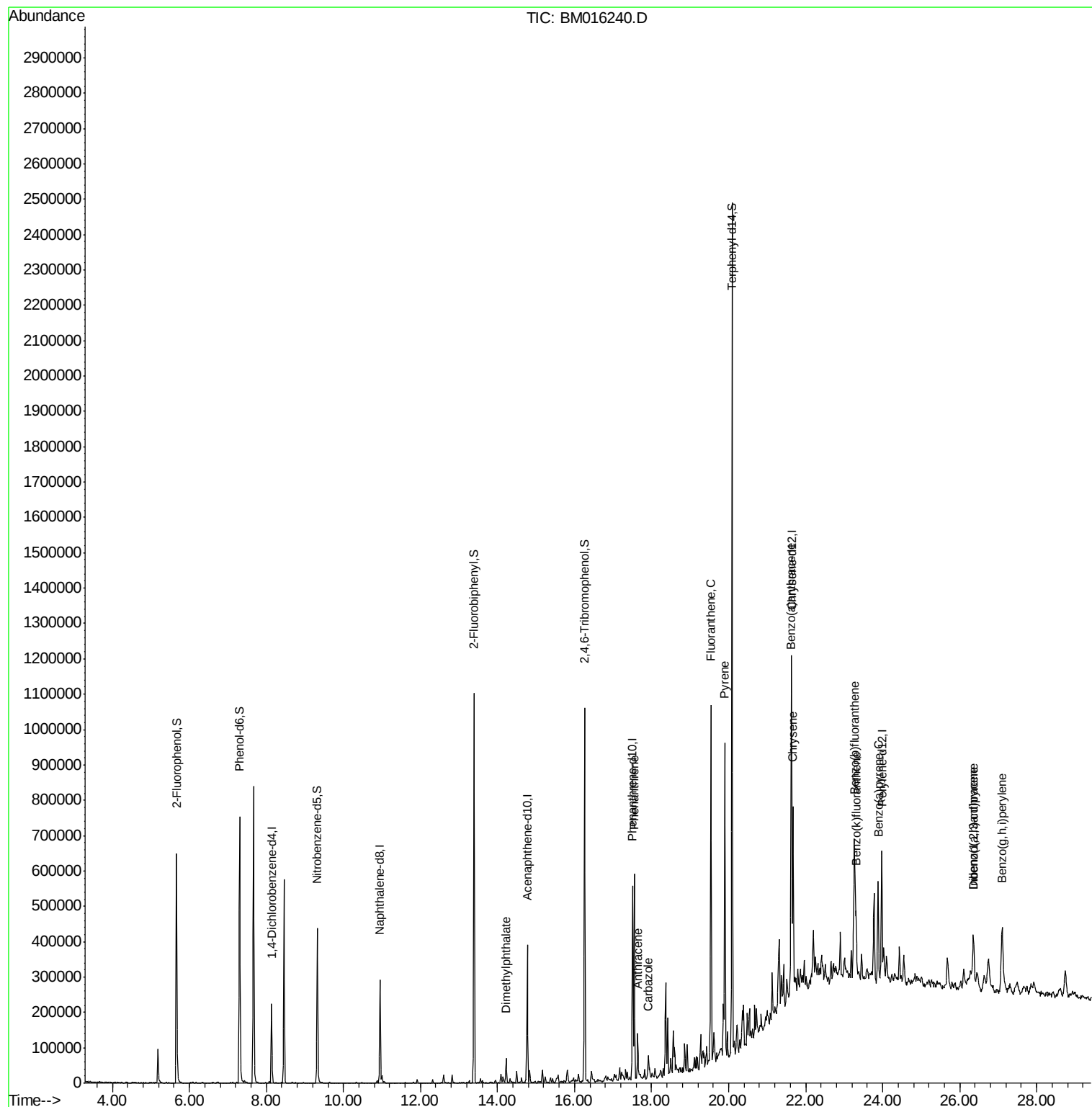
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
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ALS Vial : 18 Sample Multiplier: 1

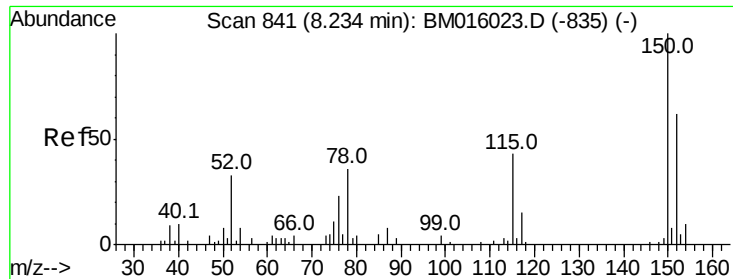
Instrument :
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C-4

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#1

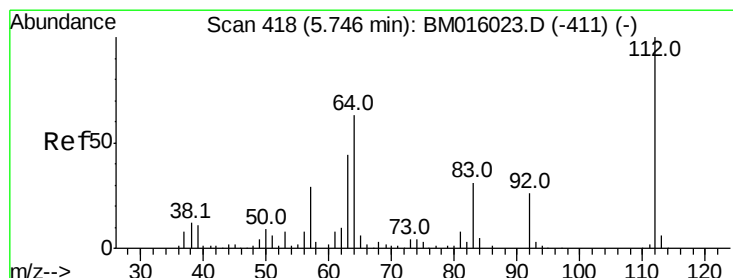
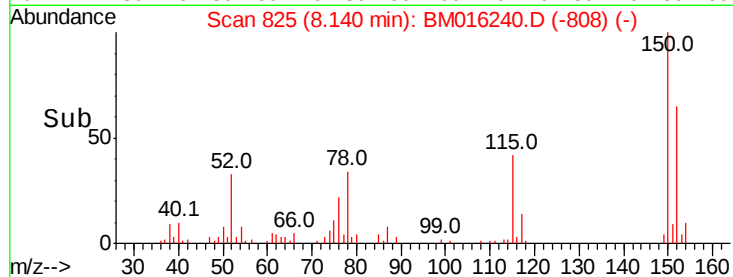
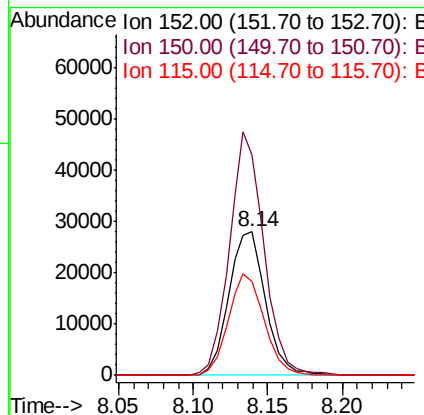
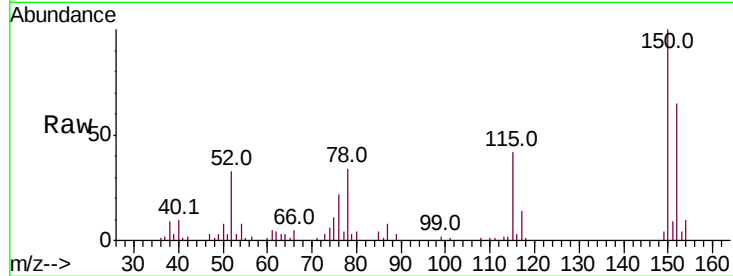
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. 0.00 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Instrument :
BNA_M
ClientSampleId :
C-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	119.5	179.3
115	65.2	43.0	64.4

Manual Integrations
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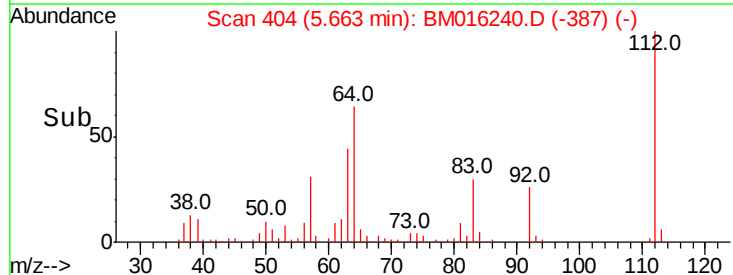
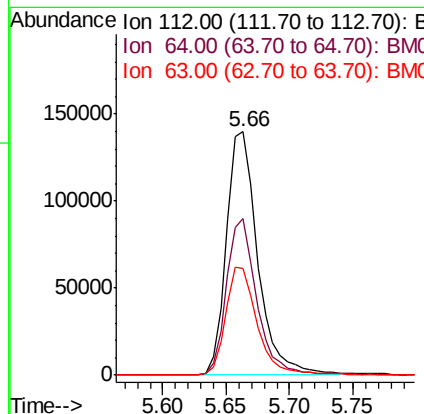
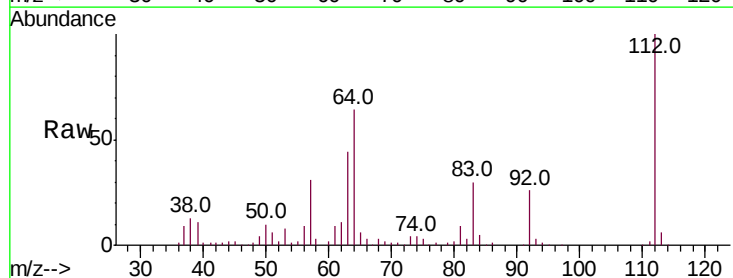
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#5

2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	38.6	57.8
63	43.9	19.3	28.9





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. -0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

ClientSampled :

C-4

Tot Ion: 99 Resp: 317231

Ion Ratio Lower Upper

99 100

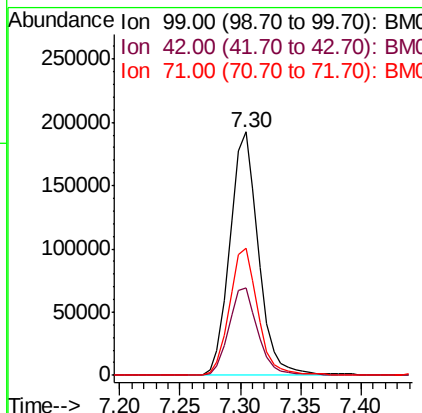
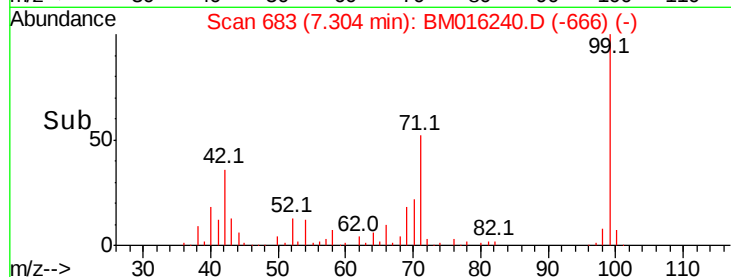
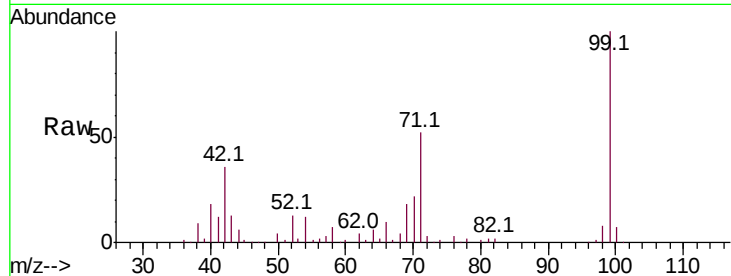
42 35.9 11.0 16.4#

71 52.4 23.4 35.2#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion: 136 Resp: 199783

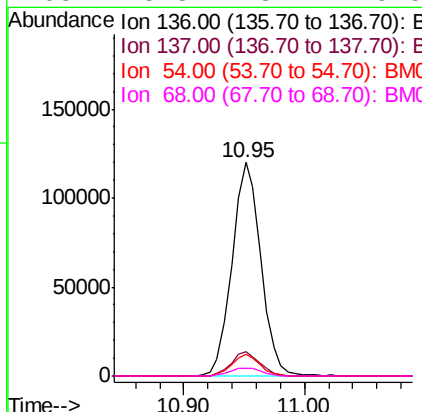
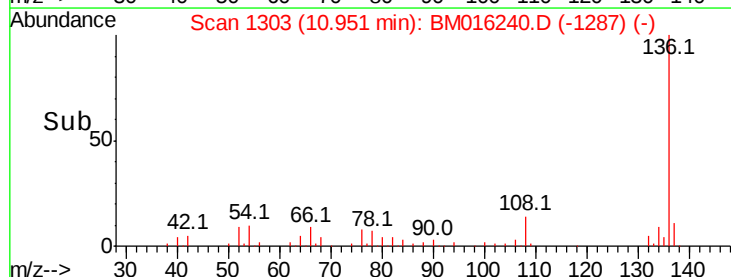
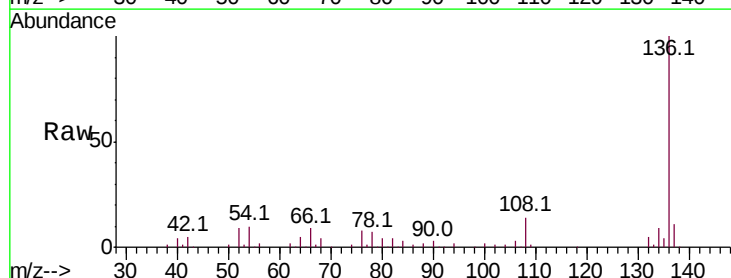
Ion Ratio Lower Upper

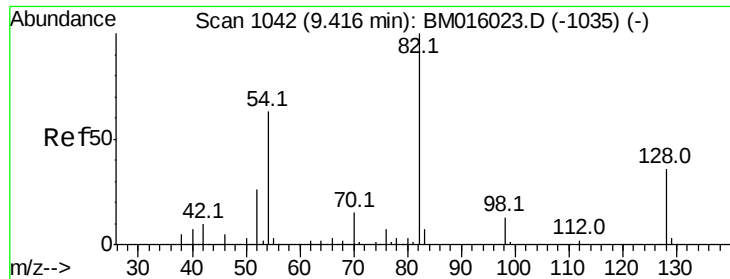
136 100

137 11.2 8.7 13.1

54 10.0 4.6 6.8#

68 3.8 3.7 5.5





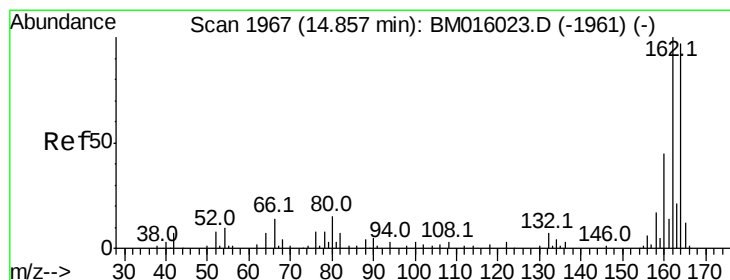
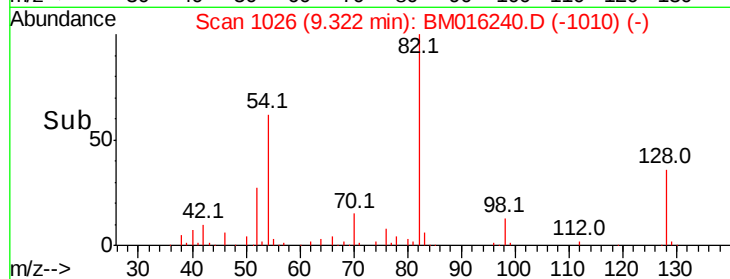
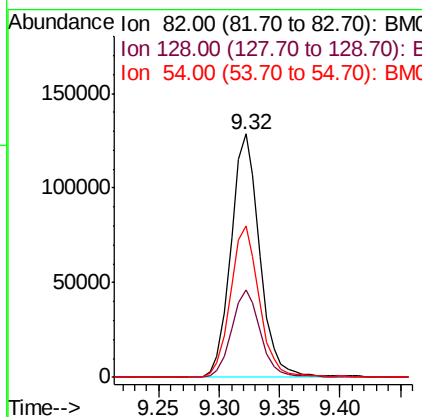
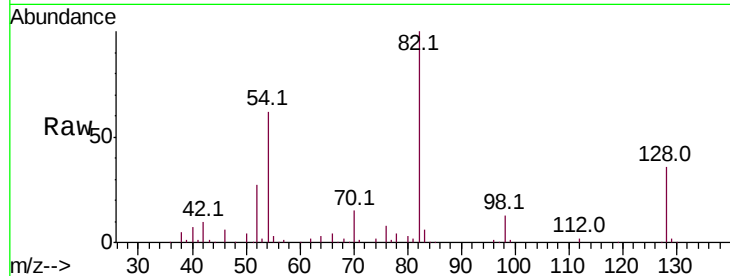
#23
Nitrobenzene-d5
Concen: Below na
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Instrument :
BNA_M
ClientSampled :
C-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.1	32.8	49.2	
54	62.4	40.6	60.8	

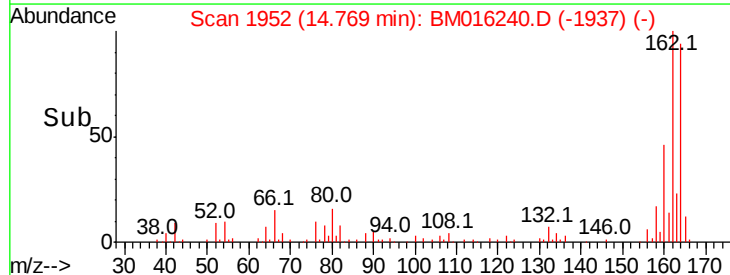
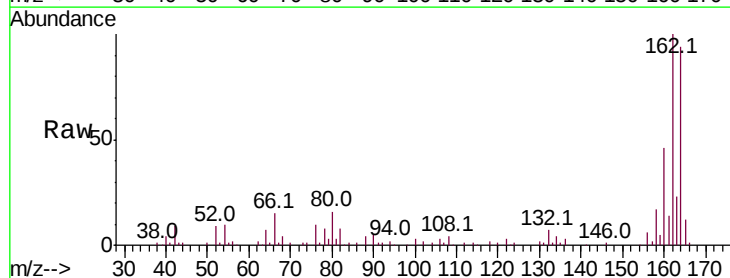
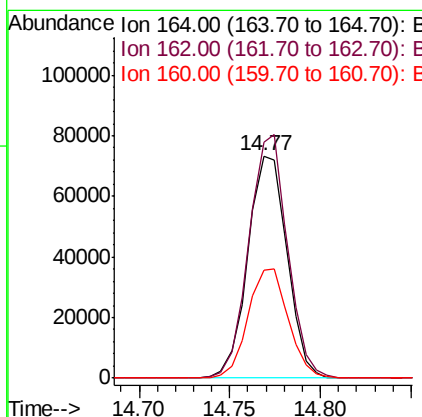
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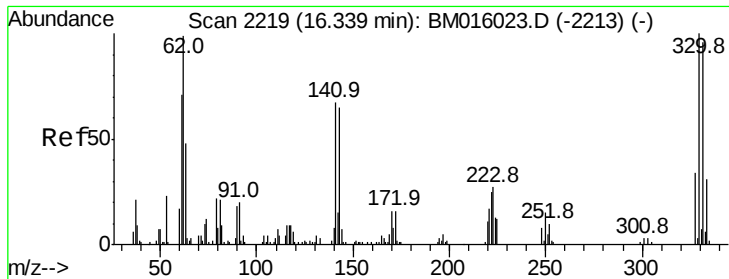
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.3	82.4	123.6	
160	48.7	35.8	53.6	





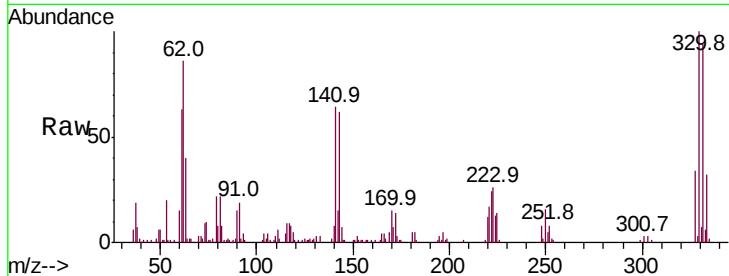
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

Instrument :
 BNA_M
 ClientSampled :
 C-4

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	95.8	0.0	0.0#
141	69.7	0.0	0.0#

Manual Integrations
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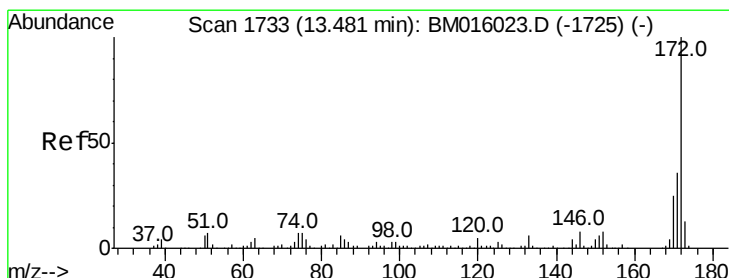
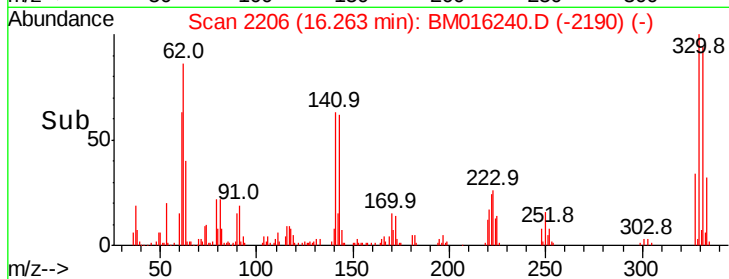
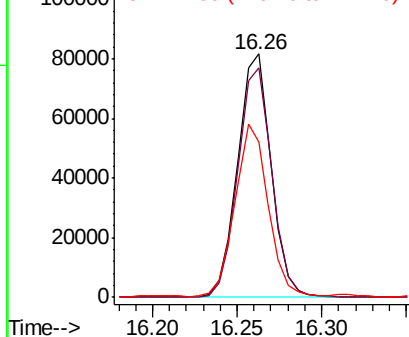


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BM016240.D
 Acq: 08 Aug 2018 05:20

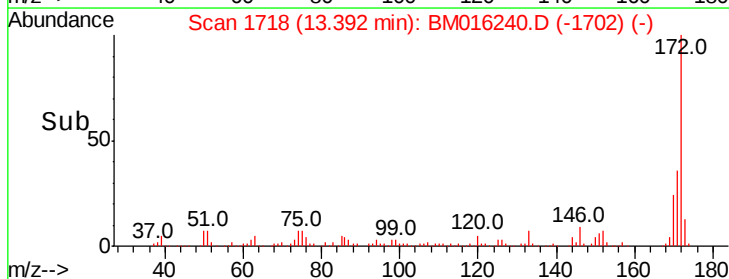
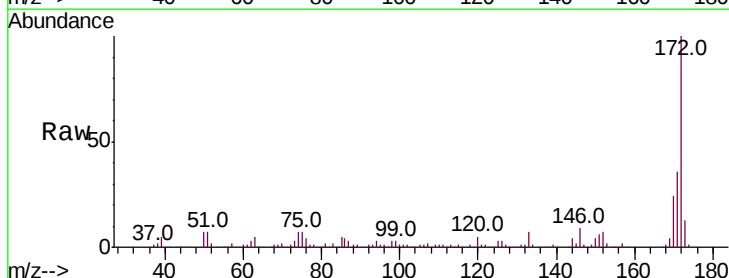
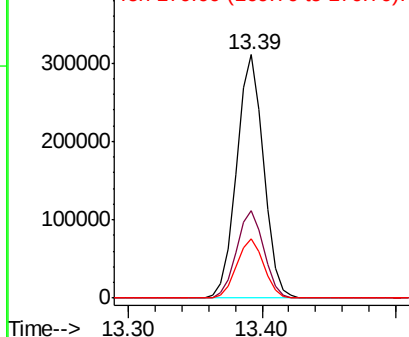
Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.9	28.5	42.7
170	24.2	18.8	28.2

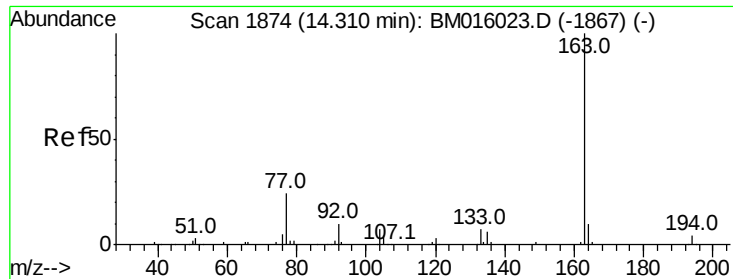
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





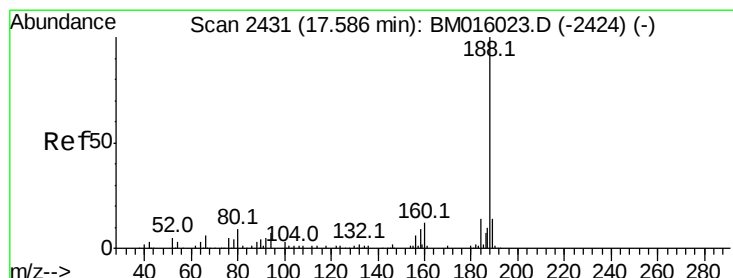
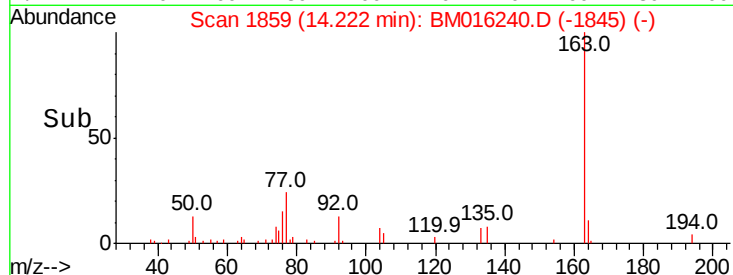
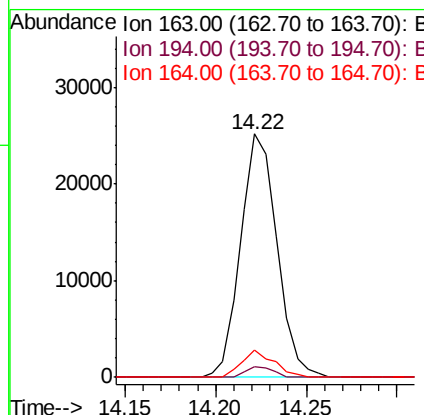
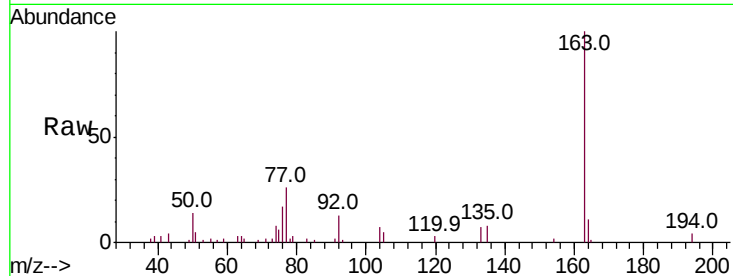
#49
Dimethylphthalate
Concen: 3.646 ng
RT: 14.22 min Scan# 1859
Delta R.T. -0.02 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Instrument :
BNA_M
ClientSampled :
C-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	2.7	4.1#
164	11.1	8.2	12.2

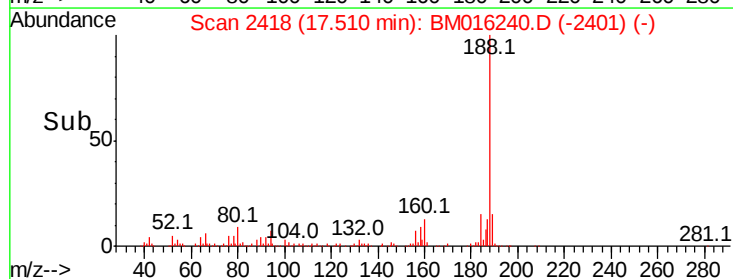
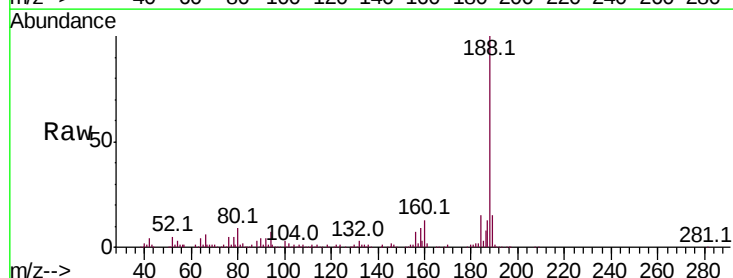
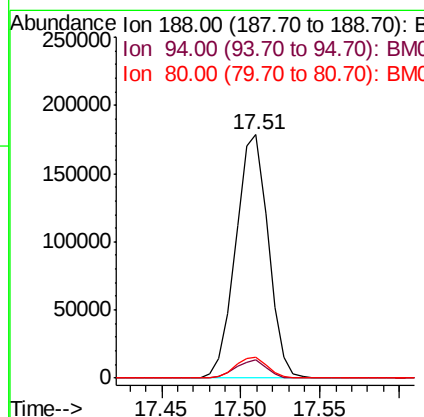
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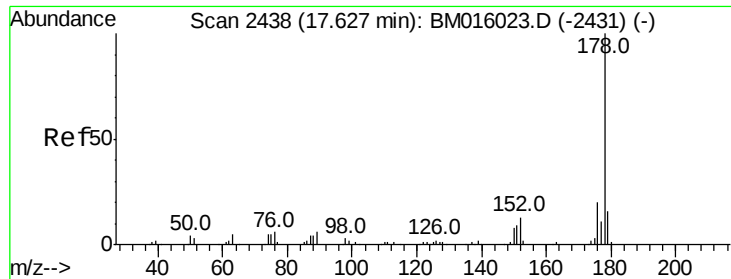
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	8.7	13.1#
80	8.8	9.3	13.9#





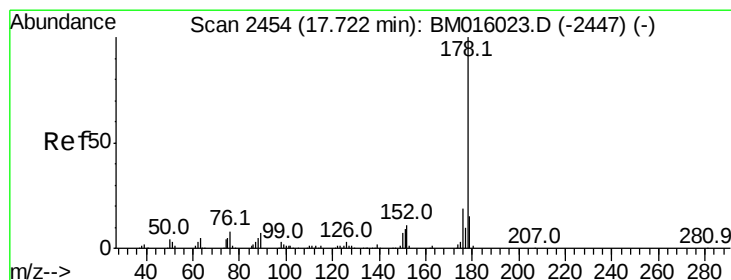
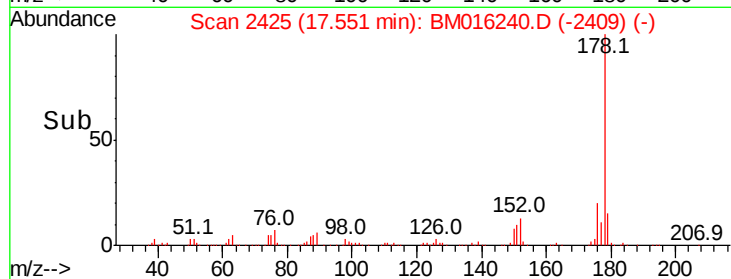
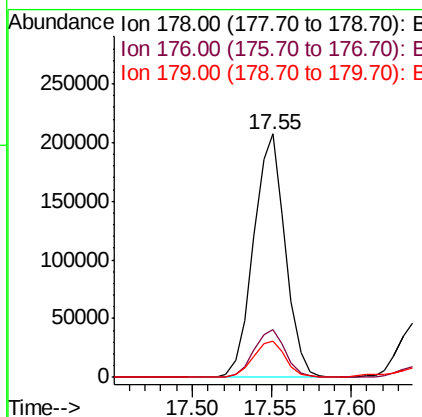
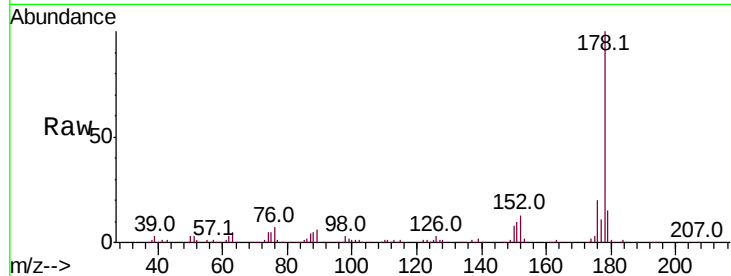
#70
Phenanthrene
Concen: 20.235 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Instrument :
BNA_M
ClientSampled :
C-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.2	22.8
179	15.1	12.1	18.1

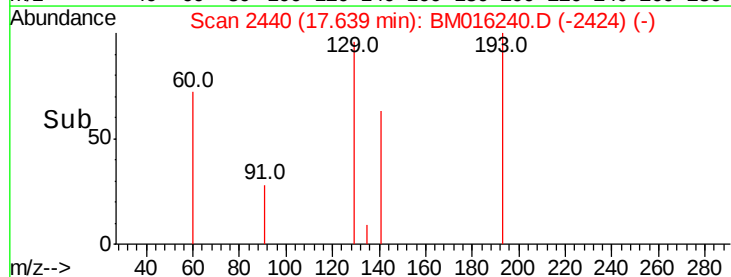
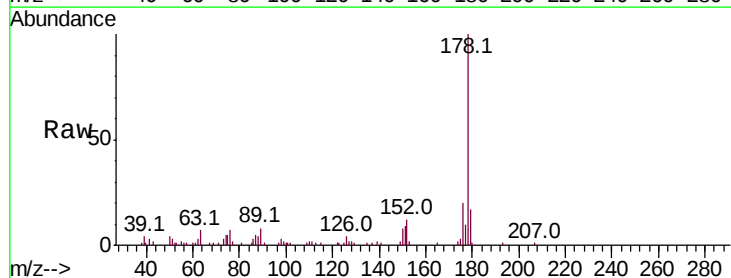
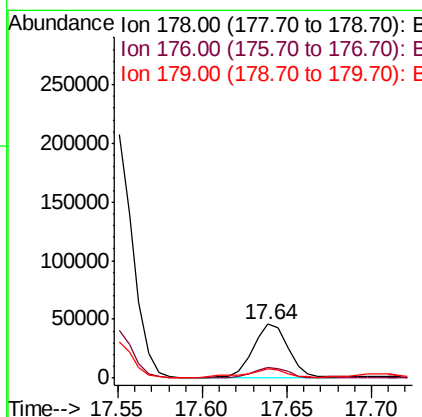
Manual Integrations
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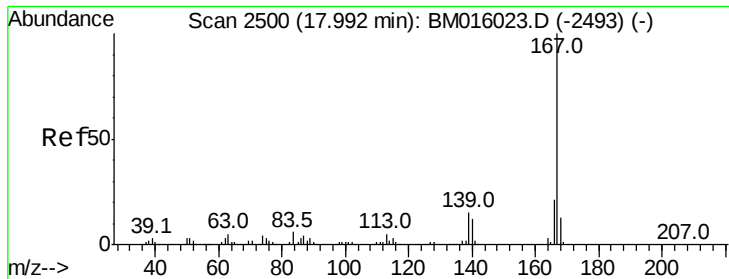
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#71
Anthracene
Concen: 4.768 ng
RT: 17.64 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	22.0
179	16.5	12.6	19.0





#72

Carbazole

Concen: 2.035 ng

RT: 17.92 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

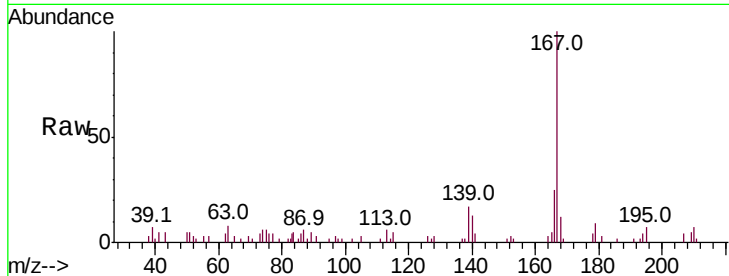
ClientSampled :

C-4

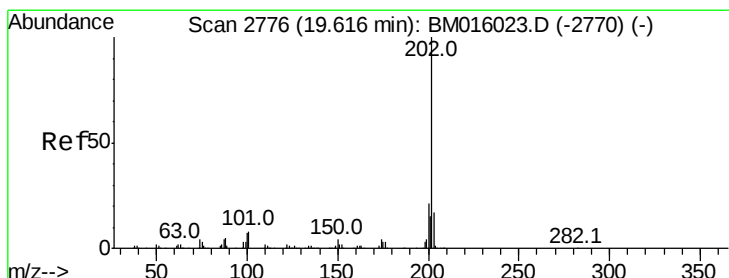
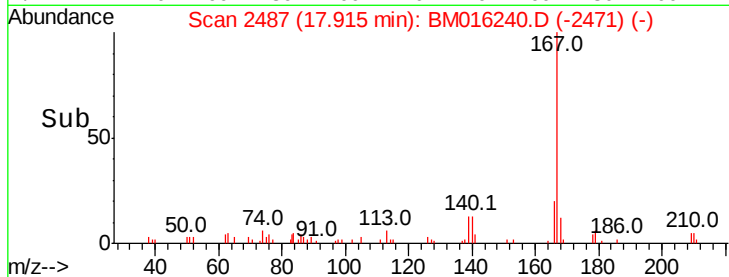
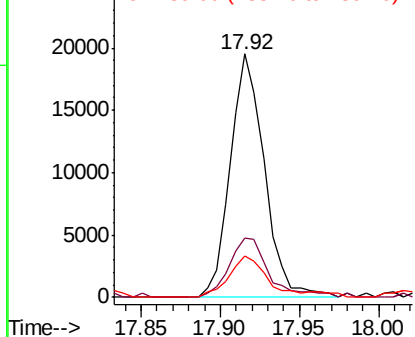
Tot Ion:	167	Resp:	29070
Ion Ratio	Lower	Upper	
167	100		
166	24.6	17.2	25.8
139	17.1	10.8	16.2#

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



#74

Fluoranthene

Concen: 33.038 ng

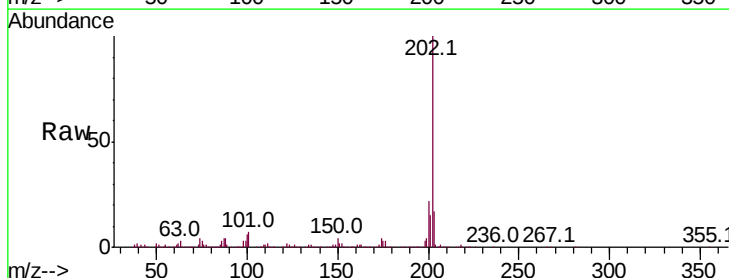
RT: 19.54 min Scan# 2764

Delta R.T. -0.00 min

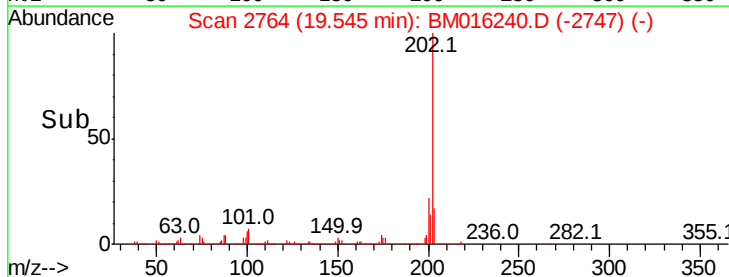
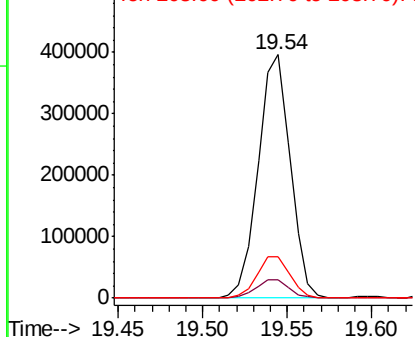
Lab File: BM016240.D

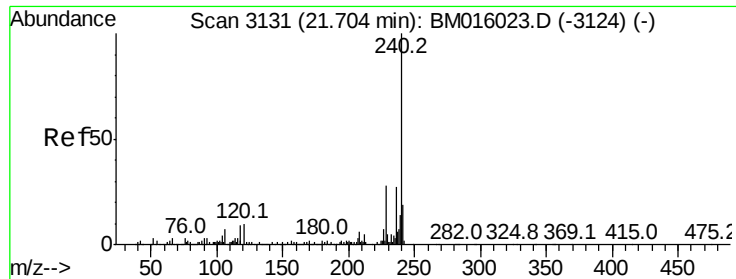
Acq: 08 Aug 2018 05:20

Tgt Ion:	202	Resp:	522927
Ion Ratio	Lower	Upper	
202	100		
101	7.3	0.0	28.7
203	17.0	0.0	37.2



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

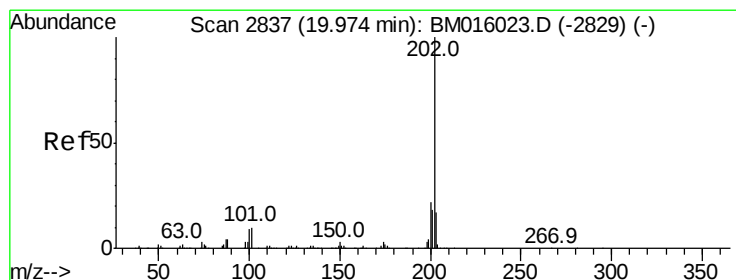
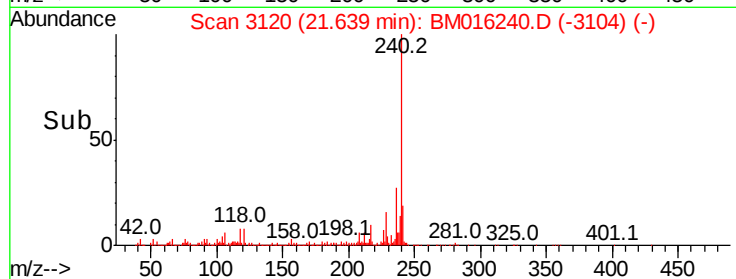
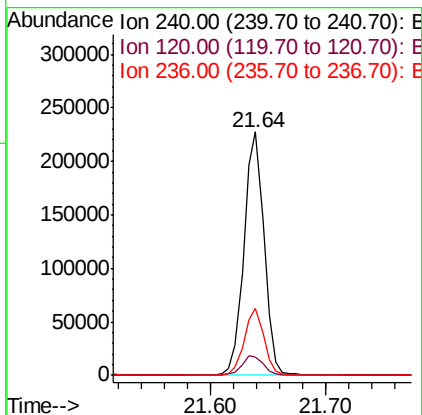
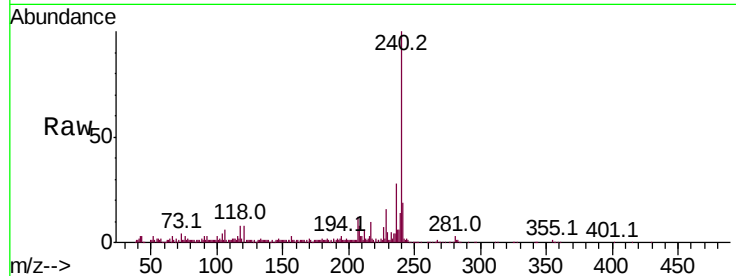
ClientSampleId :

C-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	275292		
120	7.7	8.2	12.2#	
236	27.6	20.0	30.0	

Manual Integrations
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#77

Pyrene

Concen: 28.268 ng

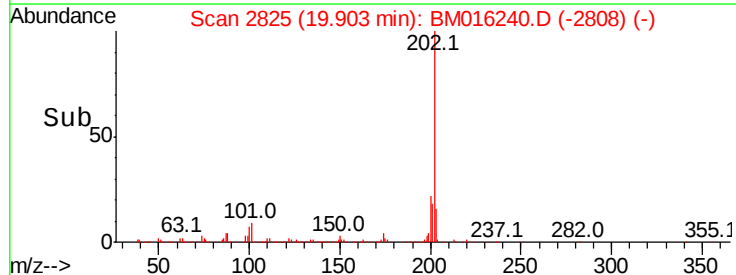
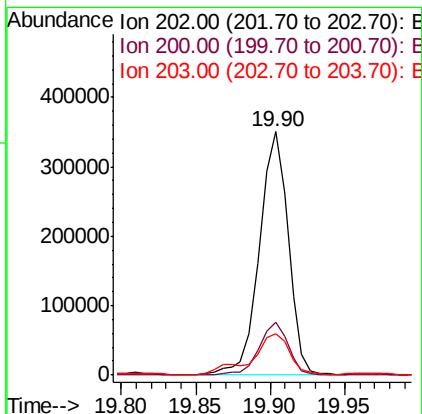
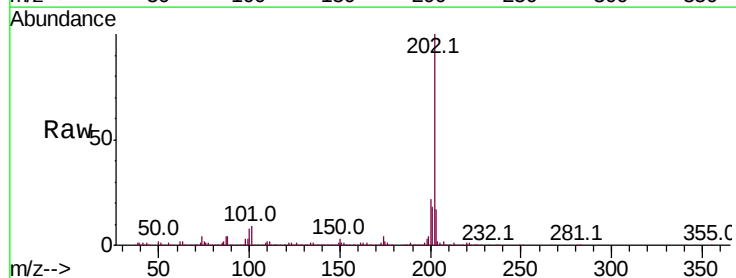
RT: 19.90 min Scan# 2825

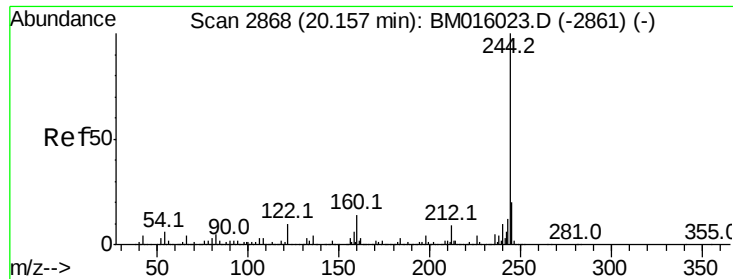
Delta R.T. -0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	466355		
200	21.7	16.9	25.3	
203	17.2	14.1	21.1	





#78

Terphenyl-d14

Concen: 28.268 ng

RT: 20.09 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

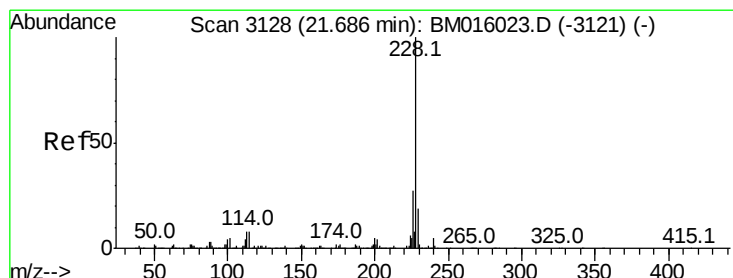
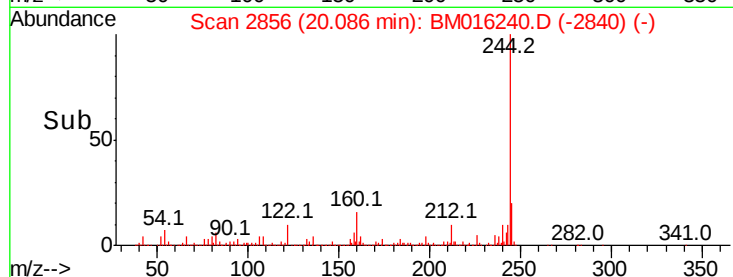
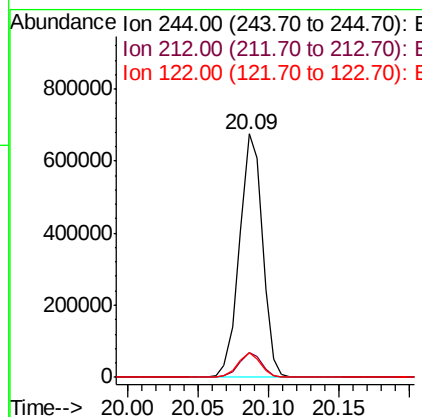
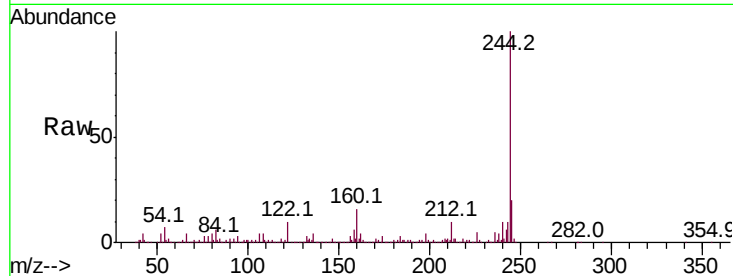
ClientSampled :

C-4

Tot Ion:	244	Resp:	768048
Ion Ratio	Lower	Upper	
244	100		
212	10.0	4.9	7.3#
122	10.2	6.2	9.4#

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 16.087 ng

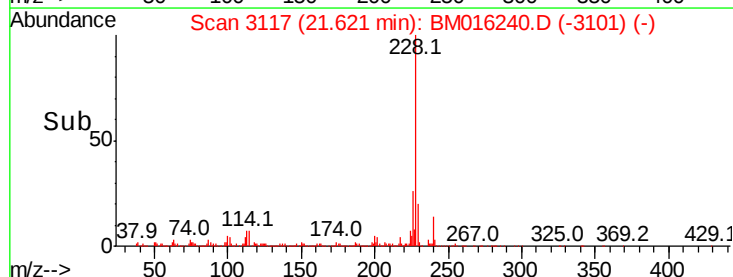
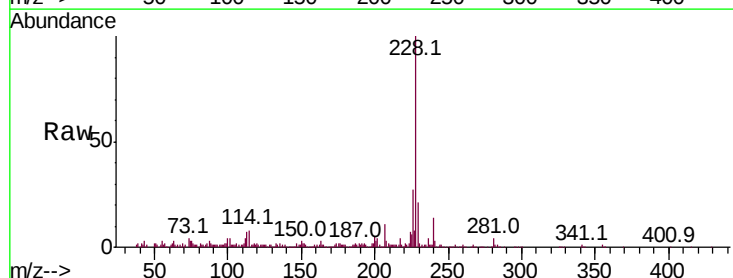
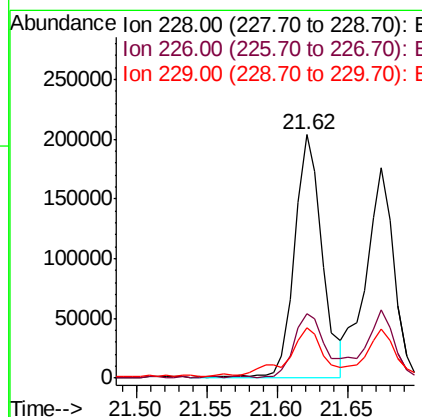
RT: 21.62 min Scan# 3117

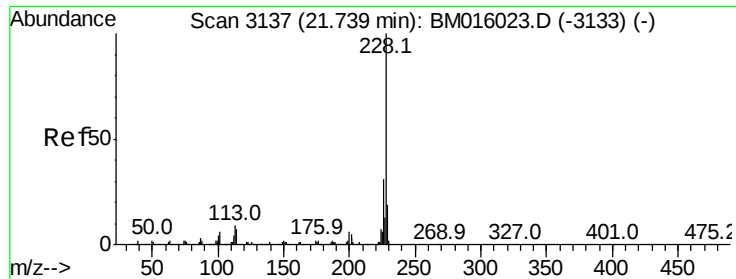
Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion:	228	Resp:	272763
Ion Ratio	Lower	Upper	
228	100		
226	26.7	21.7	32.5
229	20.7	16.0	24.0





#82

Chrysene

Concen: 15.113 ng/mL

RT: 21.67 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

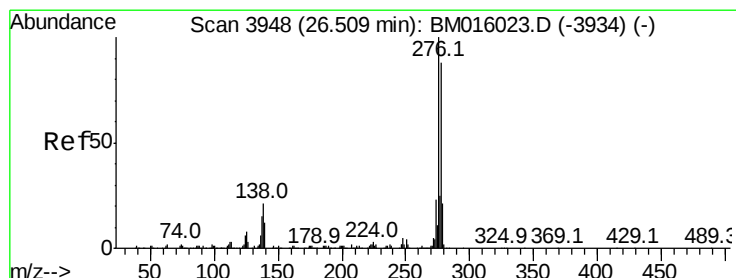
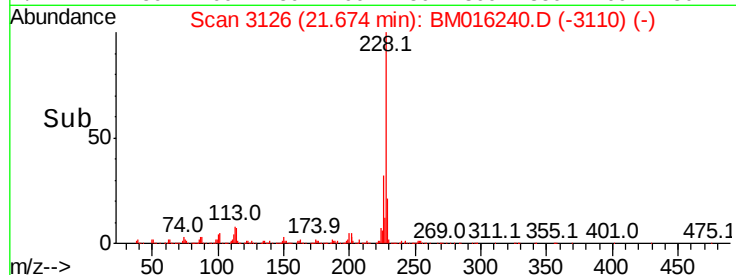
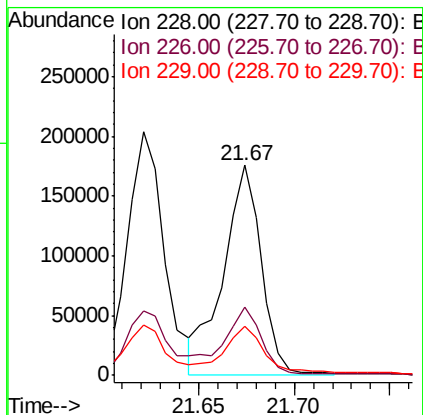
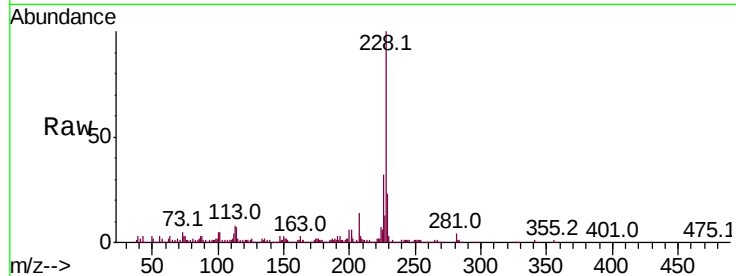
ClientSampled :

C-4

Tot Ion:	228	Resp:	245813
Ion Ratio	Lower	Upper	
228	100		
226	32.2	24.1	36.1
229	23.4	15.5	23.3#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.368 ng/mL

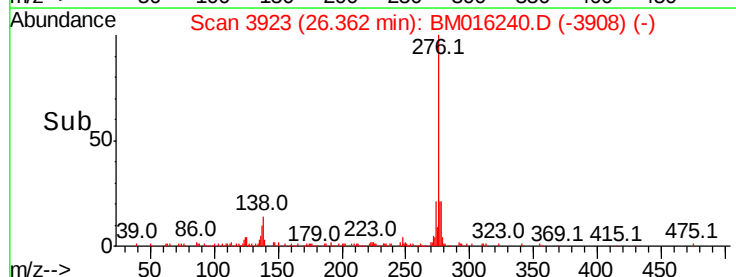
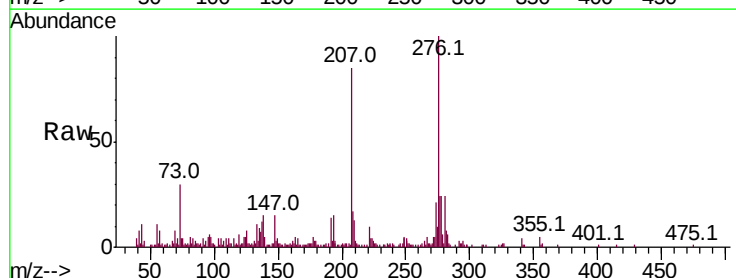
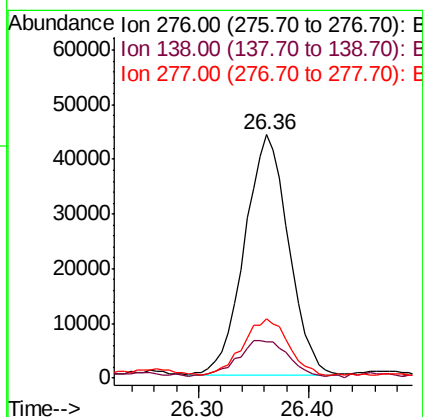
RT: 26.36 min Scan# 3923

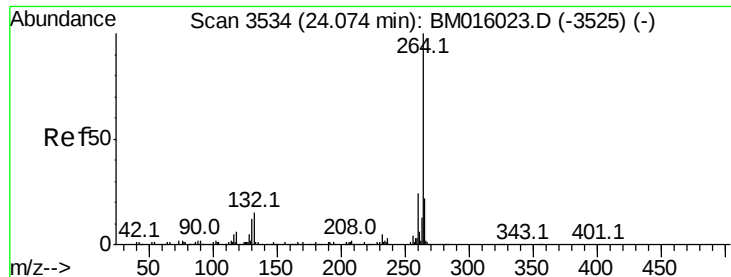
Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion:	276	Resp:	122909
Ion Ratio	Lower	Upper	
276	100		
138	19.1	12.0	18.0#
277	23.4	20.0	30.0





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.98 min Scan# 3518

Delta R.T. 0.00 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

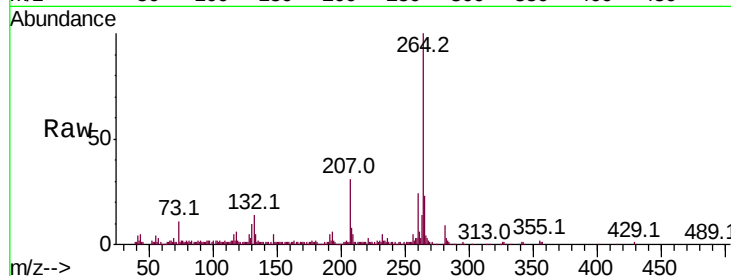
ClientSampled :

C-4

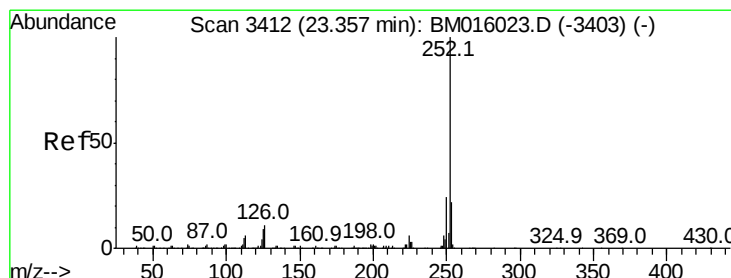
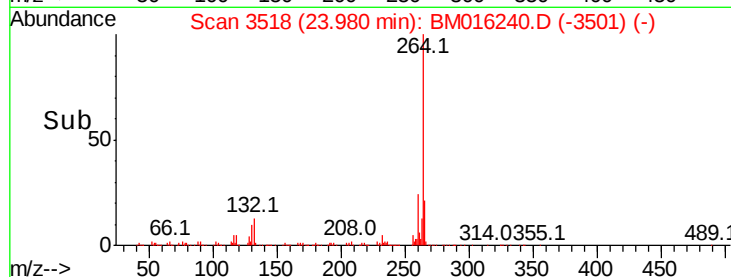
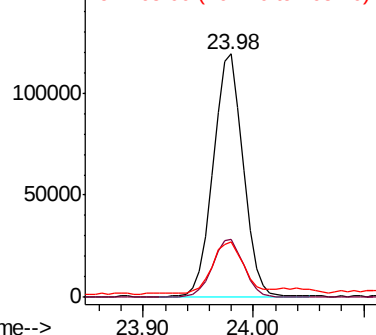
Tot Ion:	264	Resp:	229749
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.6	27.8
265	23.0	17.3	25.9

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 21.737 ng

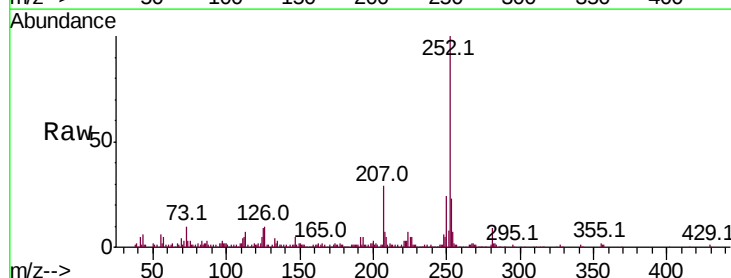
RT: 23.27 min Scan# 3398

Delta R.T. -0.00 min

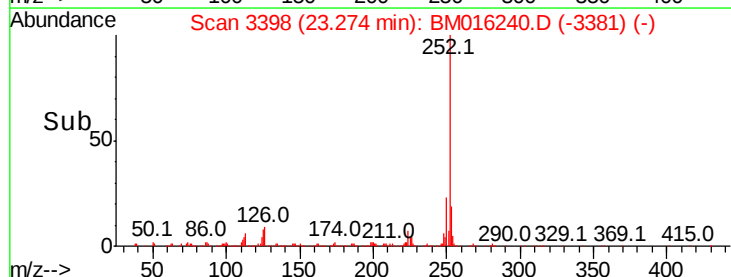
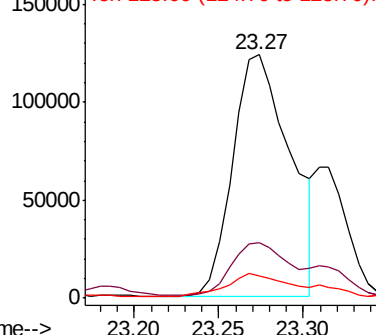
Lab File: BM016240.D

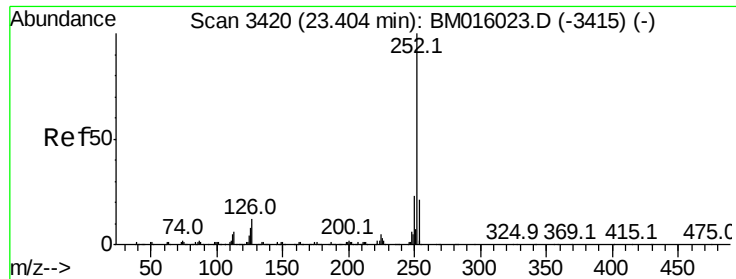
Acq: 08 Aug 2018 05:20

Tgt Ion:	252	Resp:	294041
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	9.0	9.9	14.9#



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





#88

Benzo(k)fluoranthene

Concen: 6.529 ng

RT: 23.32 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Instrument :

BNA_M

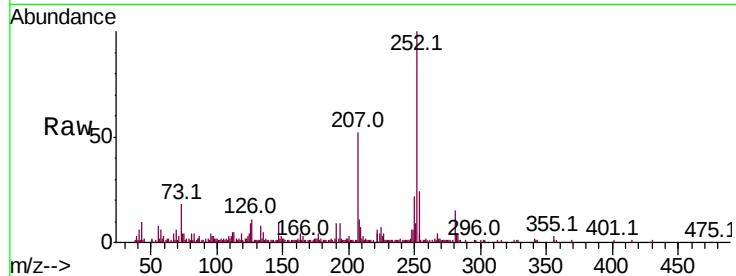
ClientSampled :

C-4

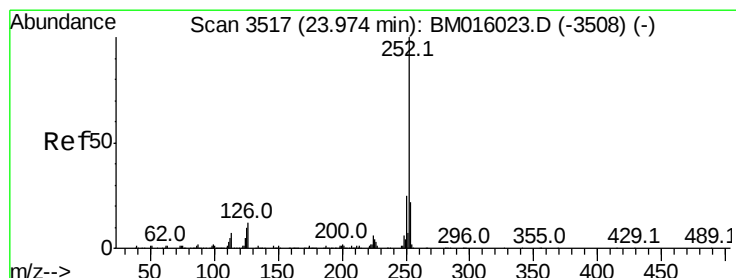
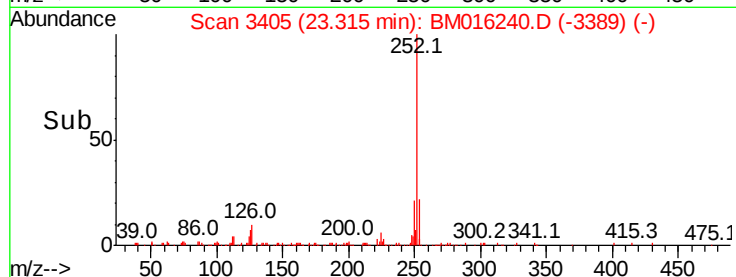
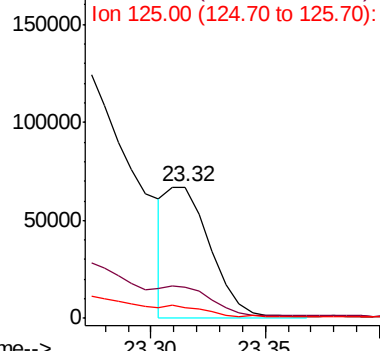
Tot Ion:	252	Resp:	89510
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.2	25.8
125	8.6	8.1	12.1

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



#89

Benzo(a)pyrene

Concen: 14.558 ng

RT: 23.87 min Scan# 3500

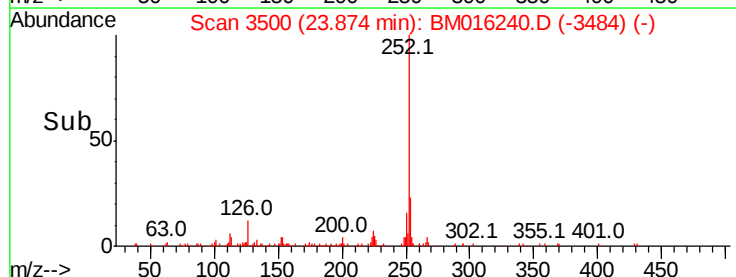
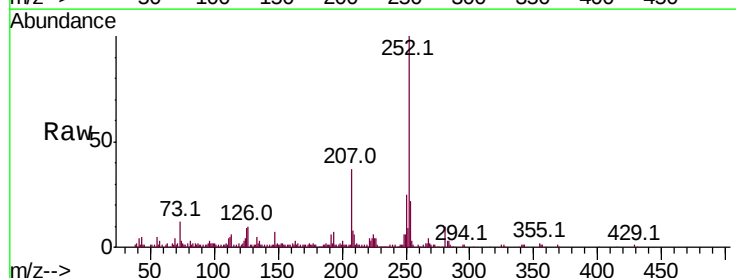
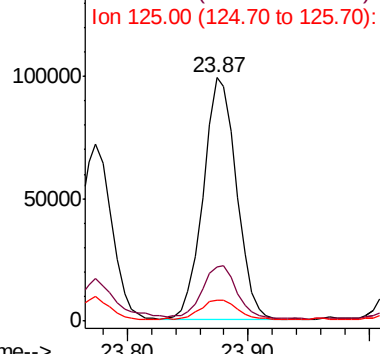
Delta R.T. -0.01 min

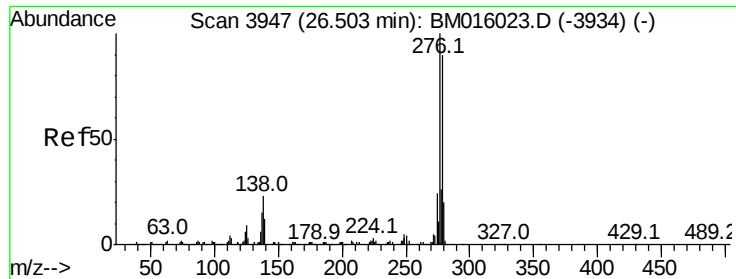
Lab File: BM016240.D

Acq: 08 Aug 2018 05:20

Tgt Ion:	252	Resp:	189310
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	8.6	7.4	11.2

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





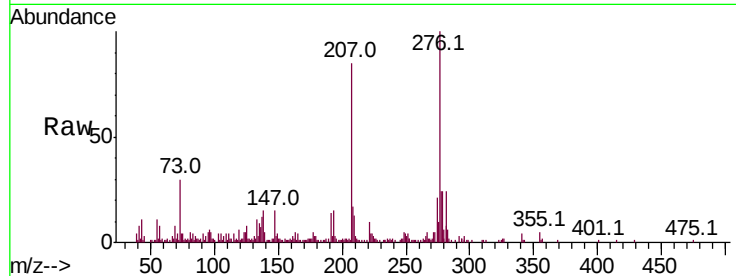
#90
Dibenzo(a,h)anthracene
Concen: 2.842 ng
RT: 26.36 min Scan# 3923
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Instrument :
BNA_M
ClientSampled :
C-4

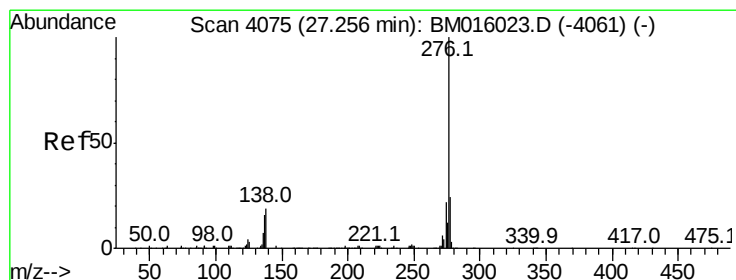
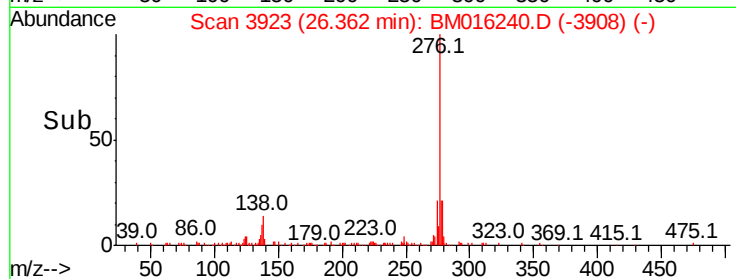
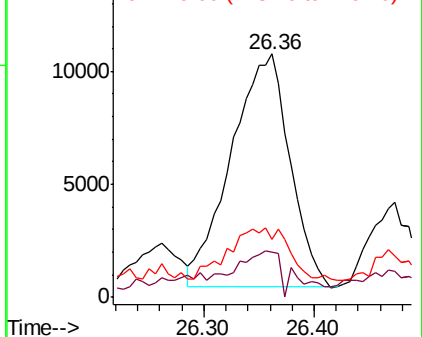
Tot Ion:	278	Resp:	38291
Ion Ratio	Lower	Upper	
278	100		
139	18.8	13.4	20.0
279	24.0	19.0	28.4

Manual Integrations
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8/8/2018 5:35:14 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 9.032 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016240.D
Acq: 08 Aug 2018 05:20

Tgt Ion:	276	Resp:	115094
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.5	27.7
138	16.7	19.0	28.6#

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

