

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
 Data File : BM016239.D
 Acq On : 08 Aug 2018 04:44
 Operator : SJ/JU
 Sample : J4310-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-3

Manual Integrations
 APPROVED

Sohil
 8/8/2018 5:35:12 PM

Quant Time: Aug 08 07:12:23 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	8.13	152	46465	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	187216	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	104003	20.00	ng	0.00
63) Phenanthrene-d10	17.51	188	236825	20.00	ng	0.00
75) Chrysene-d12	21.64	240	250006	20.00	ng	0.00
86) Perylene-d12	23.98	264	216402	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	204720	73.19	ng	0.00
7) Phenol-d6	7.30	99	266583	72.98	ng	0.00
23) Nitrobenzene-d5	9.32	82	193574	48.09	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	91991	69.74	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	404147	47.28	ng	0.00
78) Terphenyl-d14	20.09	244	728978	61.04	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.23	163	30266	3.325	ng	98
70) Phenanthrene	17.55	178	122876	9.267	ng	99
74) Fluoranthene	19.54	202	207132	14.005	ng	98
77) Pyrene	19.90	202	185628	12.390	ng	100
80) Benzo(a)anthracene	21.62	228	106995	6.949	ng	96
82) Chrysene	21.67	228	96747	6.550	ng	96
85) Indeno(1,2,3-cd)pyrene	26.36	276	49428	2.820	ng	# 93
87) Benzo(b)fluoranthene	23.27	252	106561	8.363	ng	# 95
88) Benzo(k)fluoranthene	23.31	252	45820m	3.548	ng	
89) Benzo(a)pyrene	23.88	252	76863	6.275	ng	99
91) Benzo(g,h,i)perylene	27.10	276	46537	3.877	ng	# 88

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

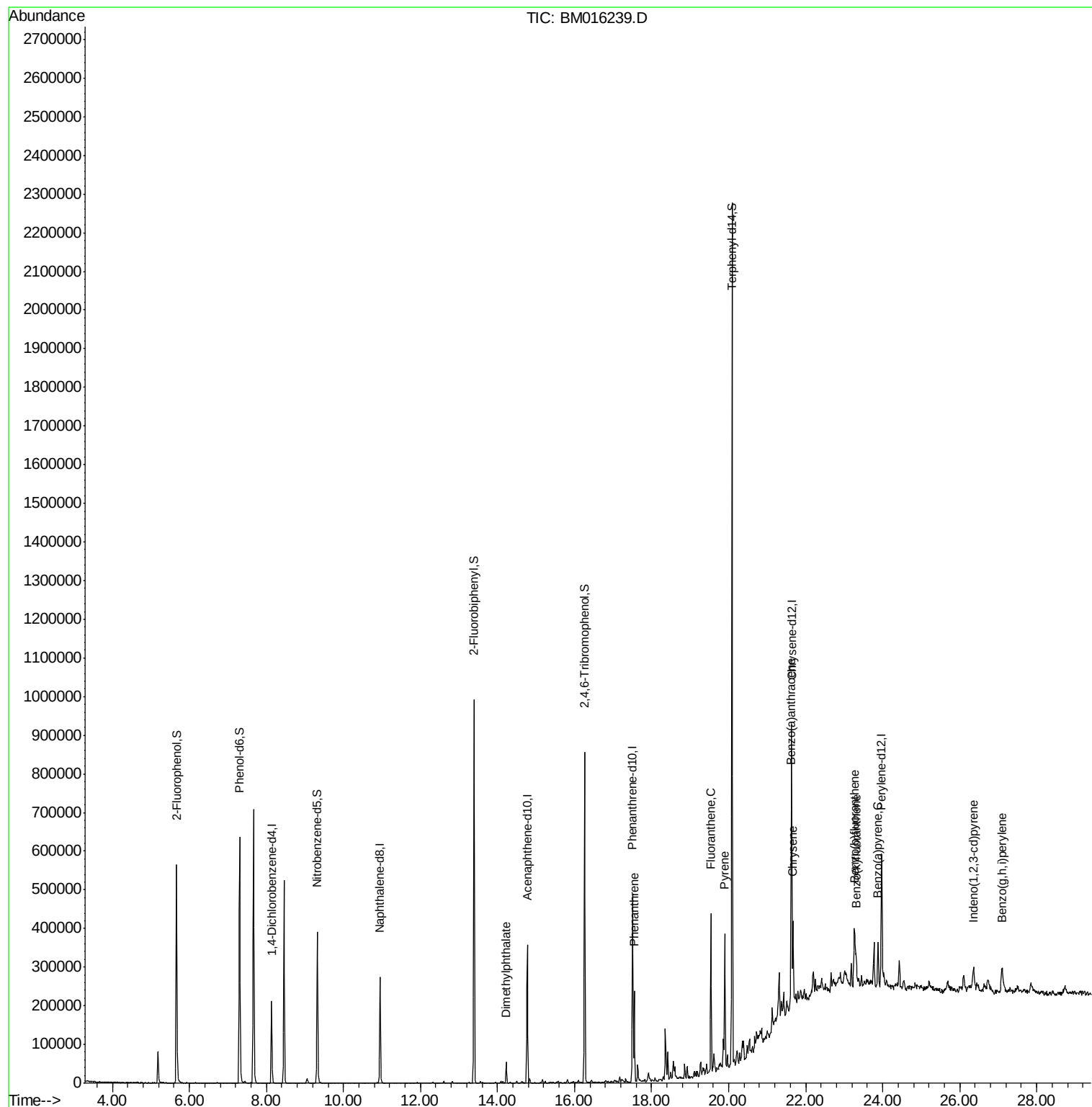
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080718\
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Misc :
ALS Vial : 17 Sample Multiplier: 1

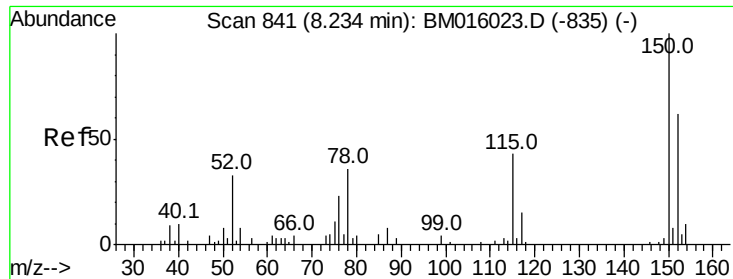
Instrument :
BNA_M
ClientSampled :
C-3

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#1

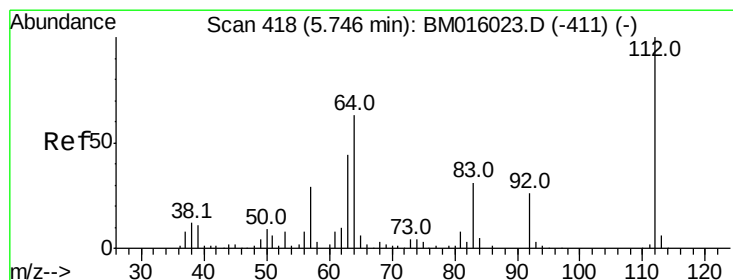
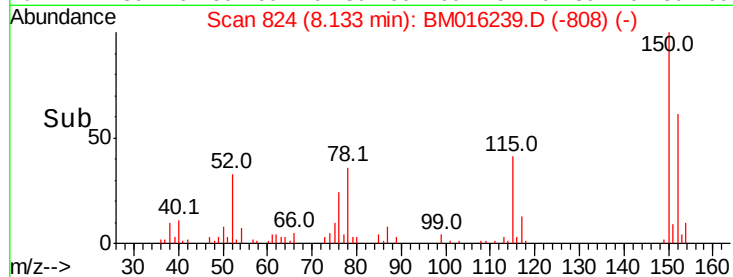
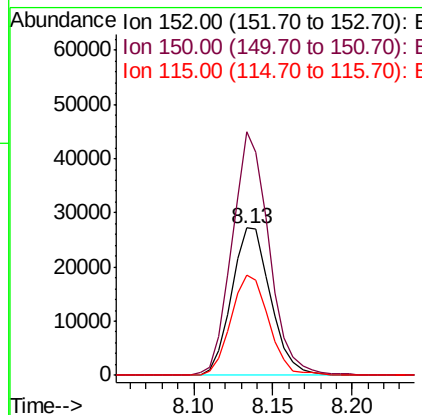
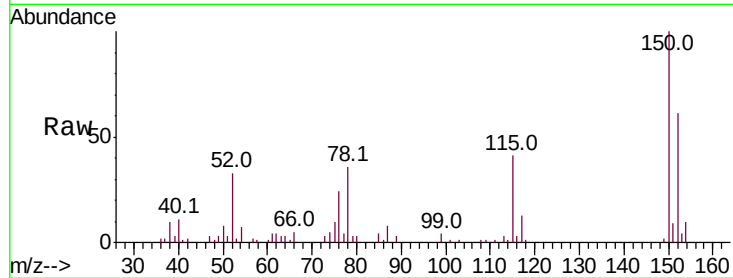
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.13 min Scan# 824
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampled :
C-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.1	119.5	179.3
115	68.0	43.0	64.4

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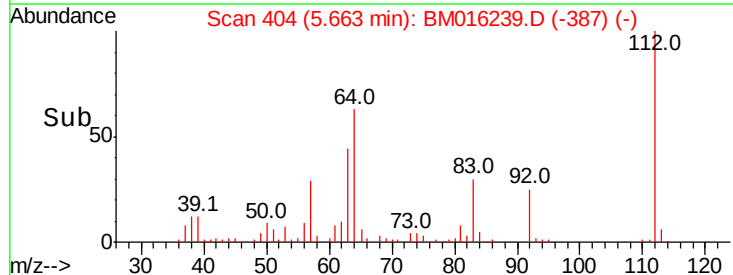
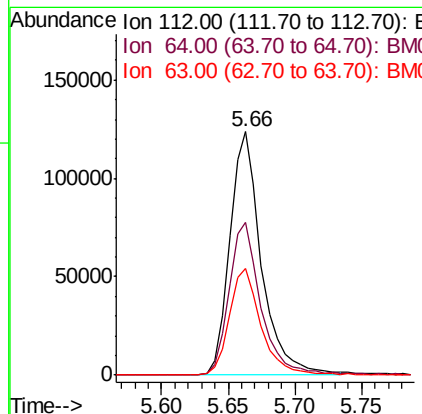
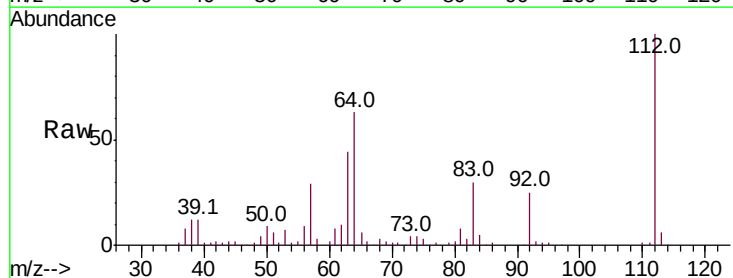
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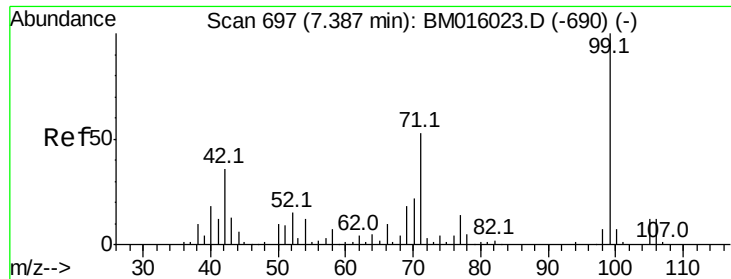


#5

2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. -0.00 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	38.6	57.8
63	43.7	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: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

ClientSampled :

C-3

Tot Ion: 99 Resp: 266583

Ion Ratio Lower Upper

99 100

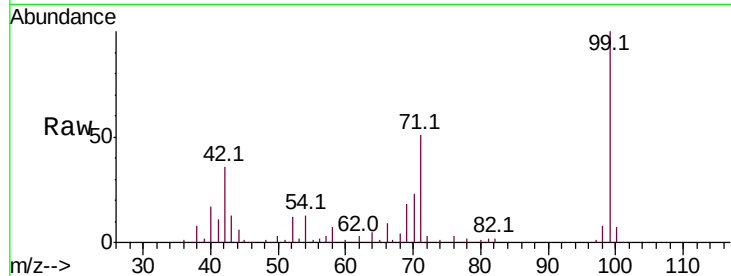
42 35.5 11.0 16.4#

71 51.0 23.4 35.2#

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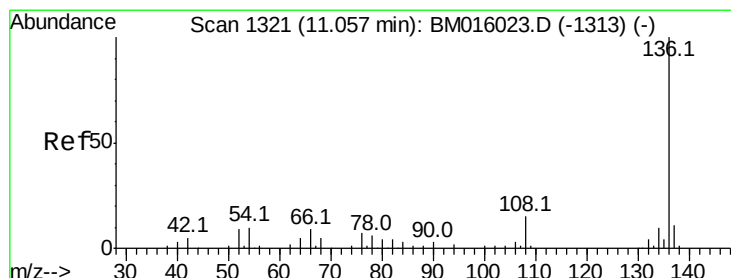
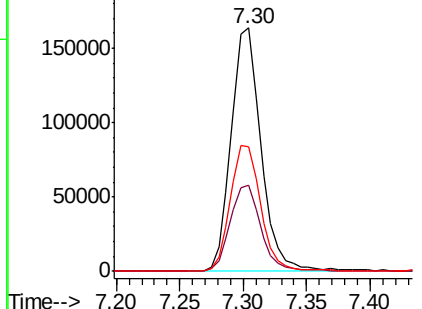
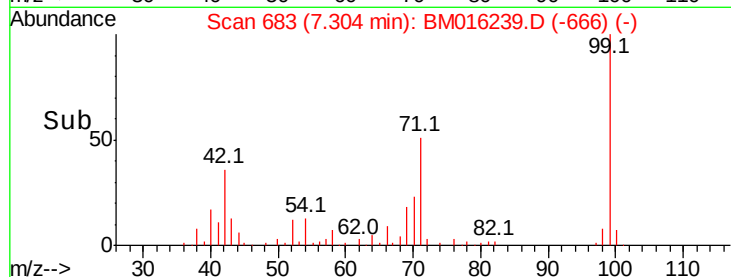
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Abundance Ion 99.00 (98.70 to 99.70): BM016239.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016239.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016239.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Tgt Ion: 136 Resp: 187216

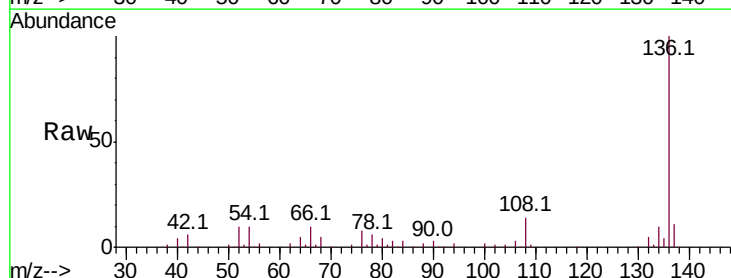
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 9.9 4.6 6.8#

68 4.6 3.7 5.5

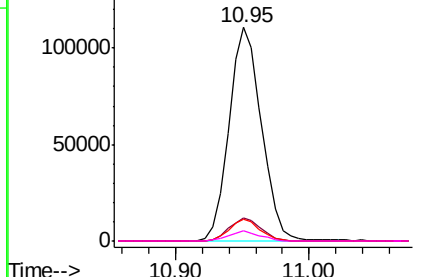
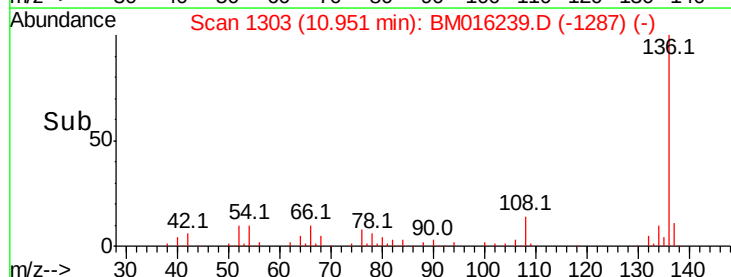


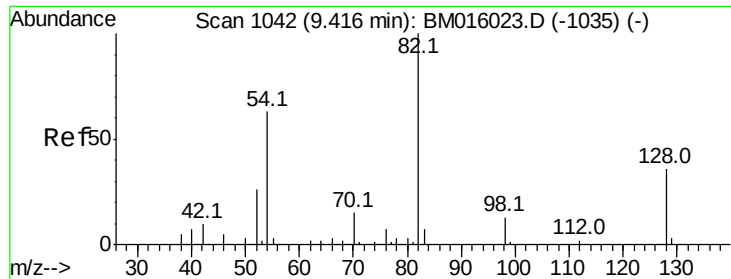
Abundance Ion 136.00 (135.70 to 136.70): BM016239.D (-1287) (-)

Ion 137.00 (136.70 to 137.70): BM016239.D (-1287) (-)

Ion 54.00 (53.70 to 54.70): BM016239.D (-1287) (-)

Ion 68.00 (67.70 to 68.70): BM016239.D (-1287) (-)





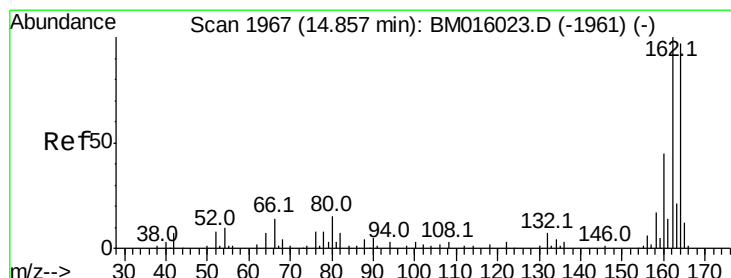
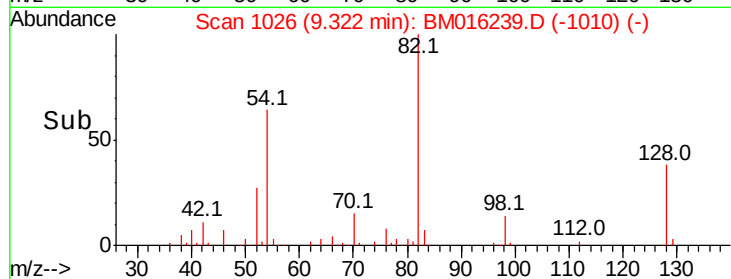
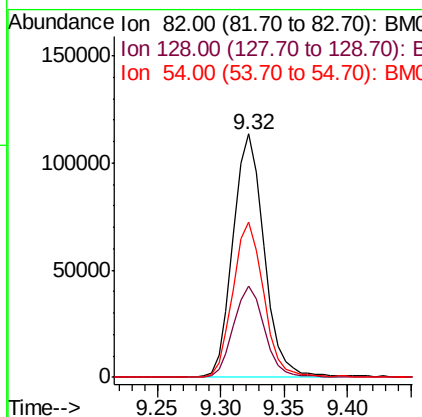
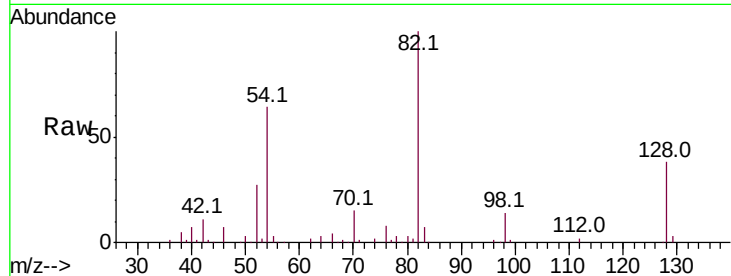
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampled :
C-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.6	32.8	49.2
54	63.9	40.6	60.8

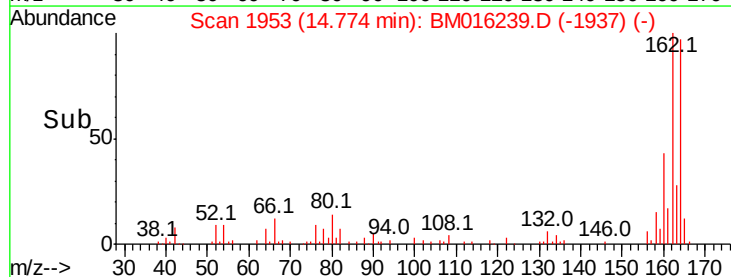
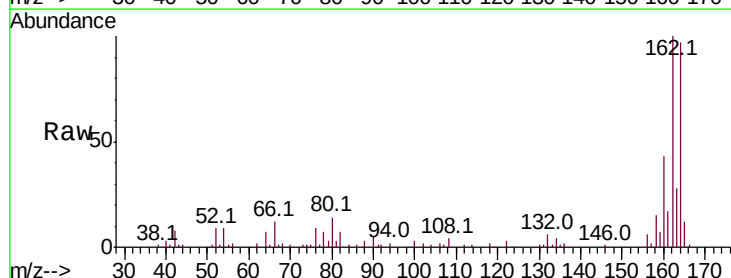
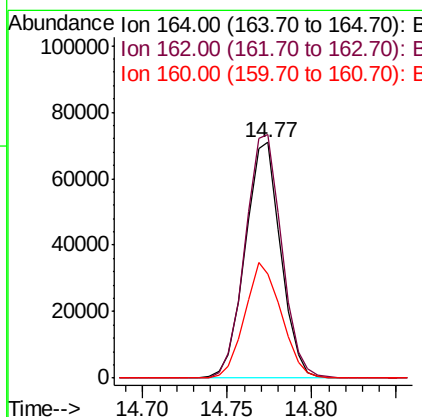
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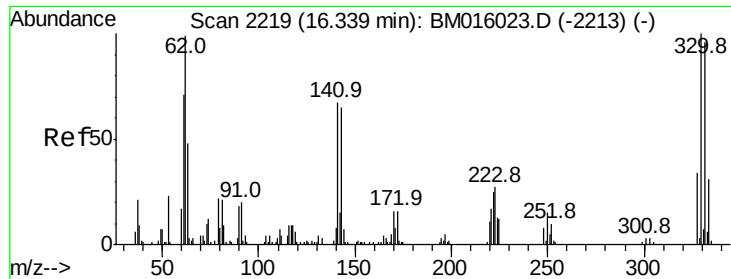
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.4	123.6
160	44.1	35.8	53.6





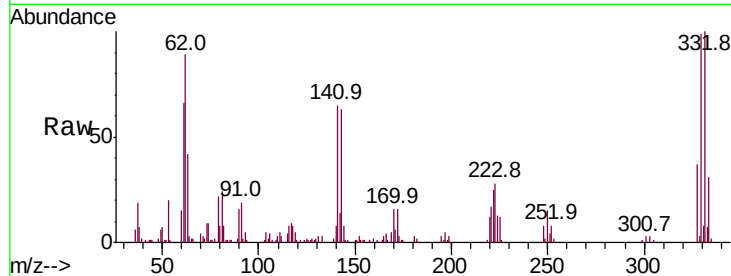
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Instrument :
 BNA_M
 ClientSampled :
 C-3

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	97.3	0.0	0.0#
141	70.1	0.0	0.0#

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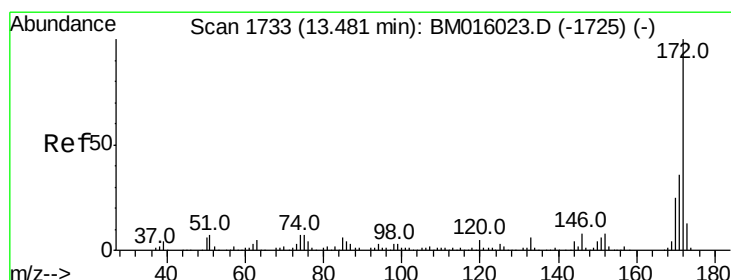
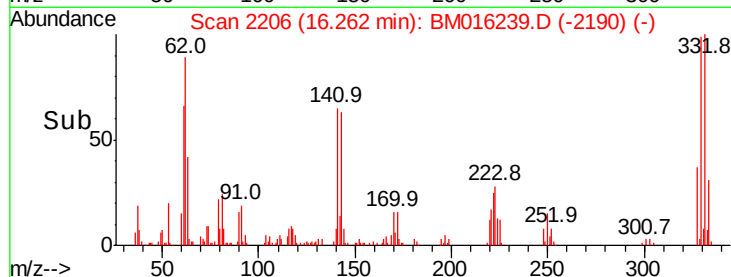
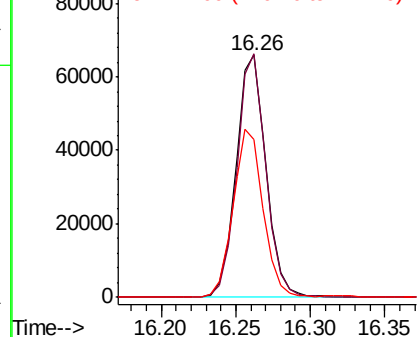


Abundance

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: BM016239.D
 Acq: 08 Aug 2018 04:44

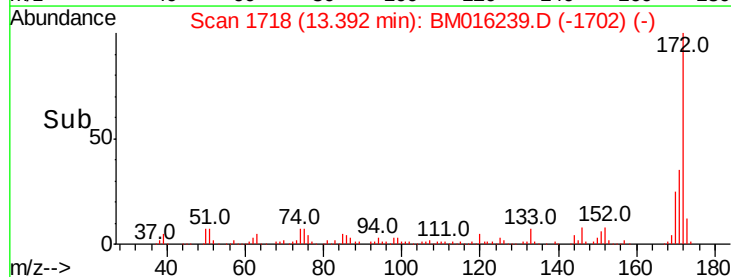
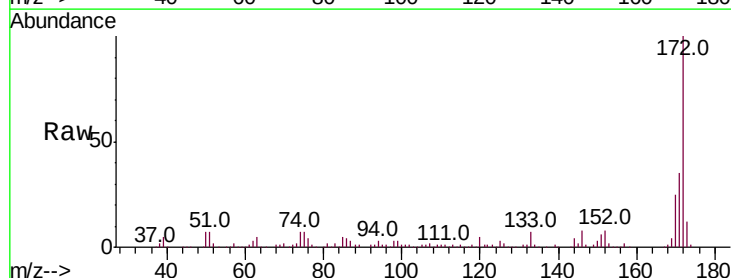
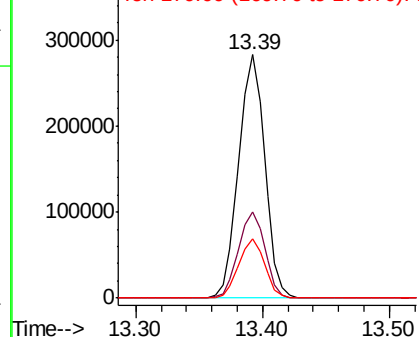
Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.6	18.8	28.2

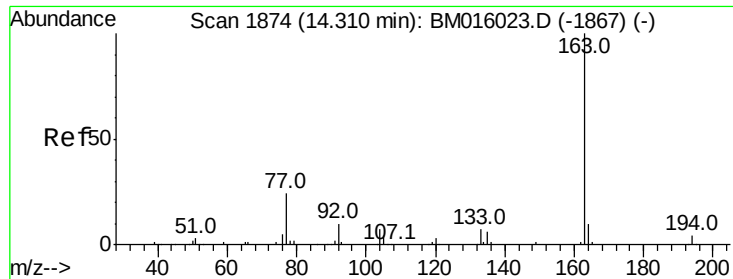
Abundance

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





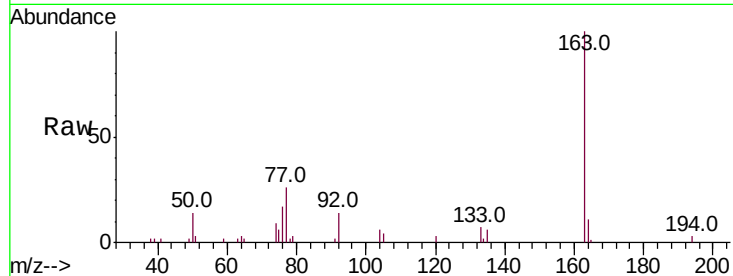
#49
Dimethylphthalate
Concen: 3.325 ng
RT: 14.23 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampled :
C-3

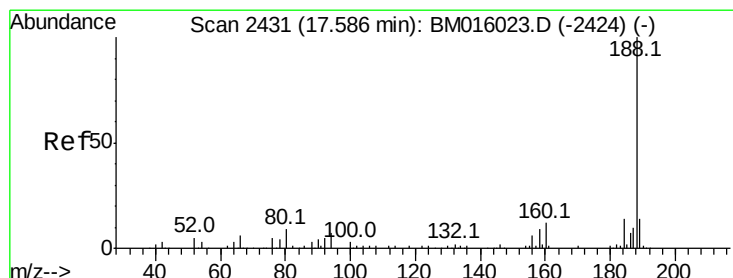
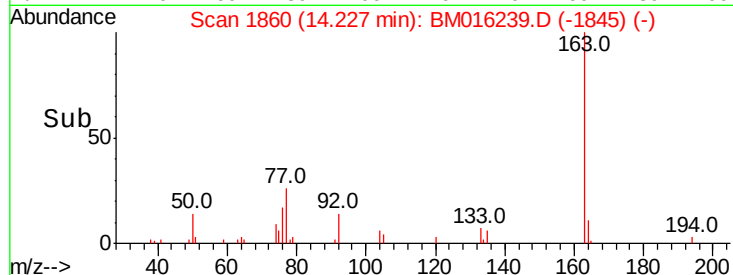
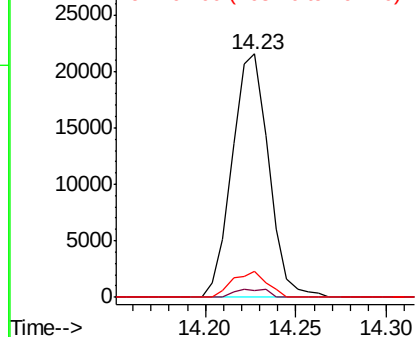
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.7	4.1
164	10.8	8.2	12.2

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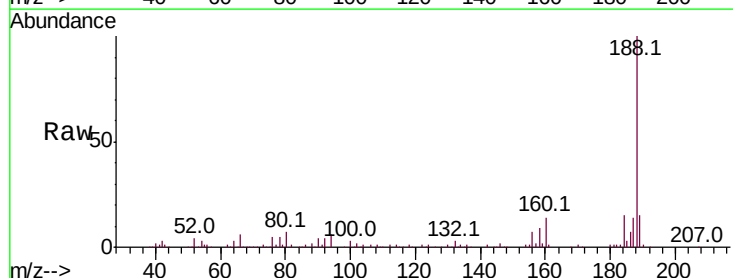


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

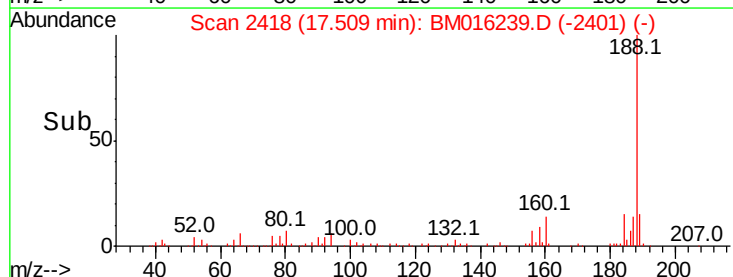
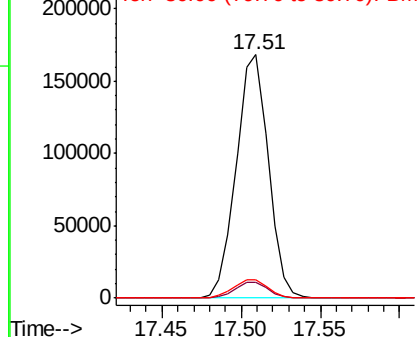


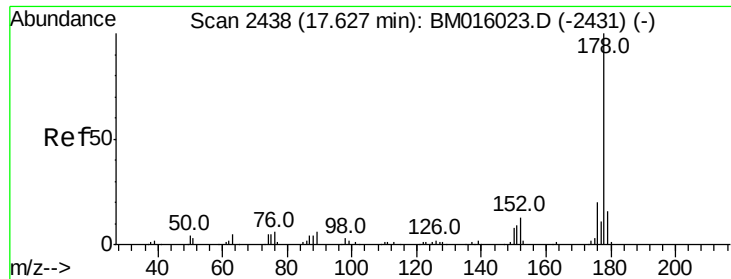
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.51 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.3	8.7	13.1#
80	7.5	9.3	13.9#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





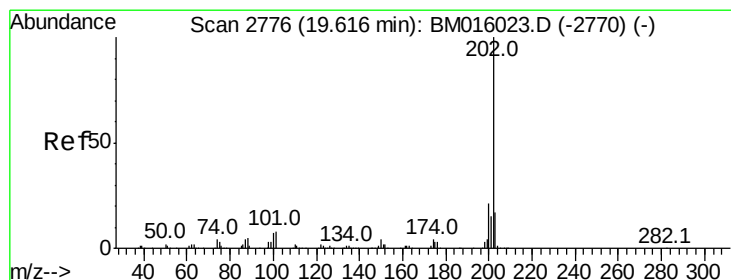
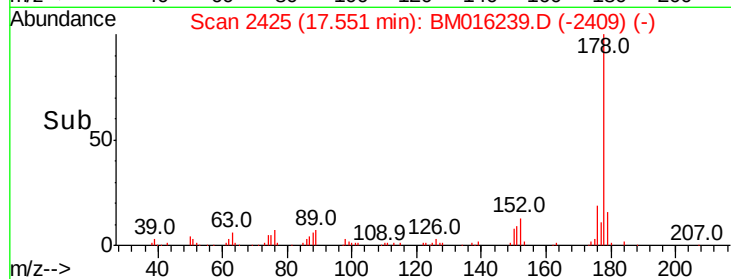
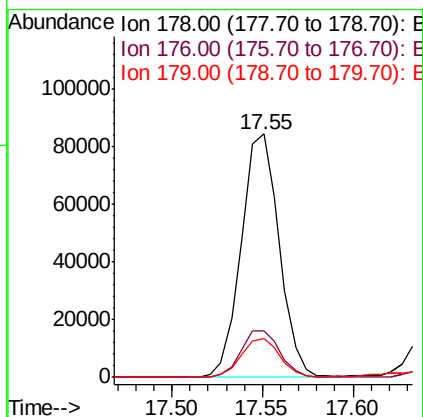
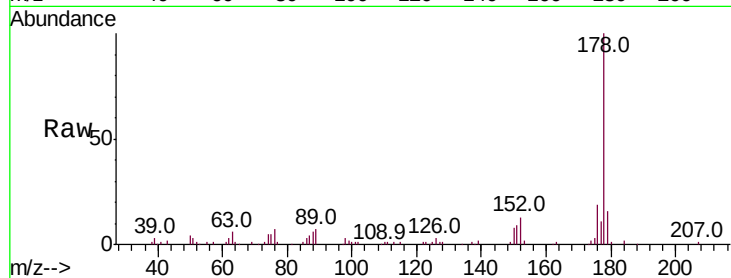
#70
Phenanthrene
Concen: 9.267 ng
RT: 17.55 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampleId :
C-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.2	22.8
179	15.7	12.1	18.1

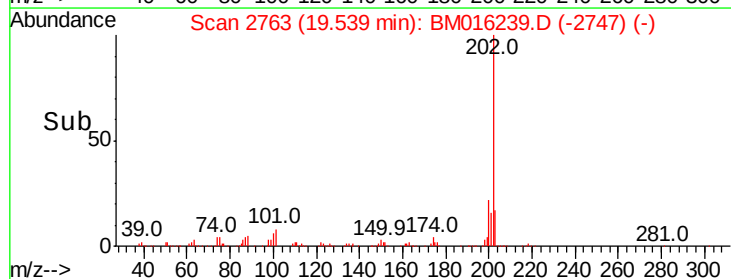
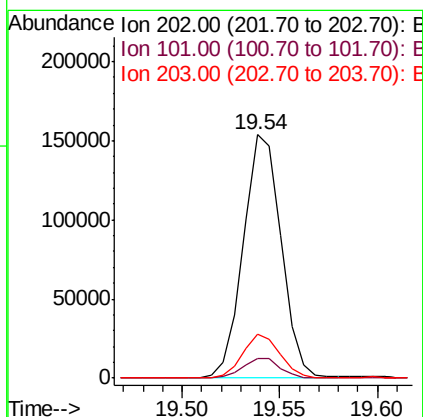
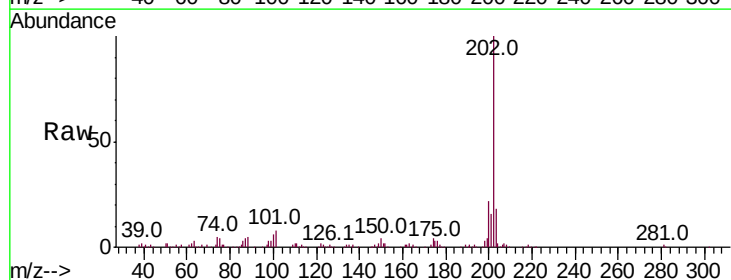
Manual Integrations
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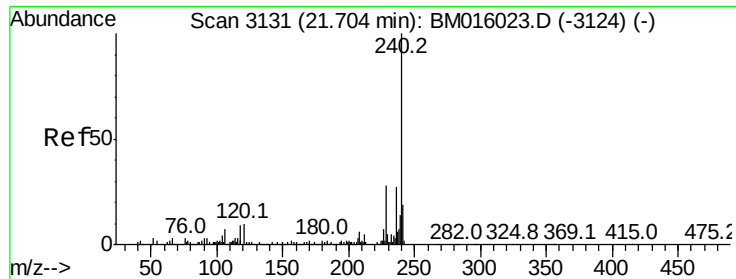
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#74
Fluoranthene
Concen: 14.005 ng
RT: 19.54 min Scan# 2763
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.7
203	17.8	0.0	37.2





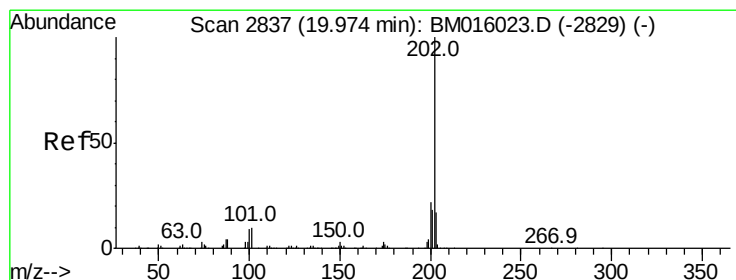
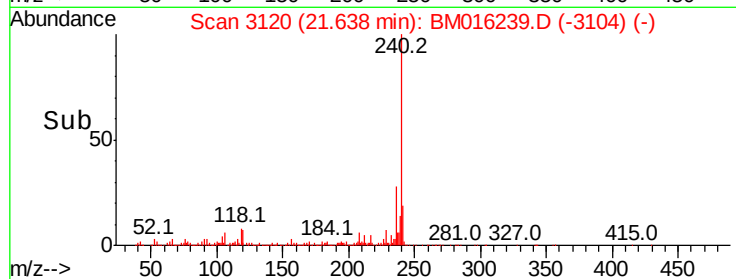
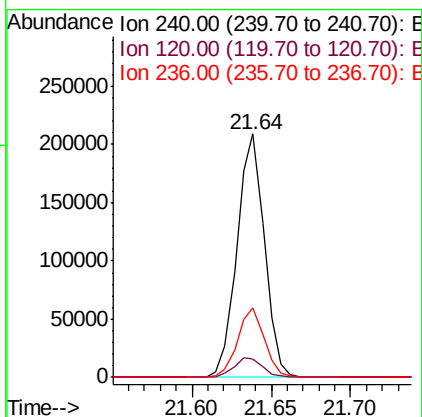
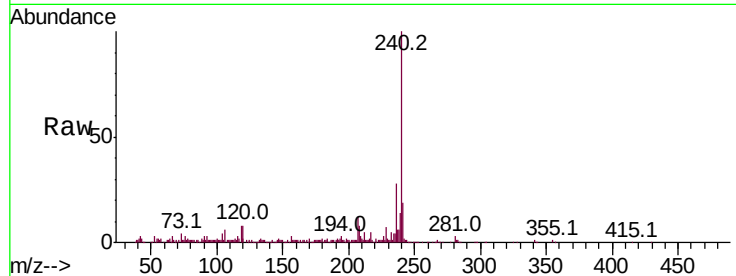
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3120
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Instrument :
 BNA_M
 ClientSampled :
 C-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.6	8.2	12.2#
236	28.4	20.0	30.0

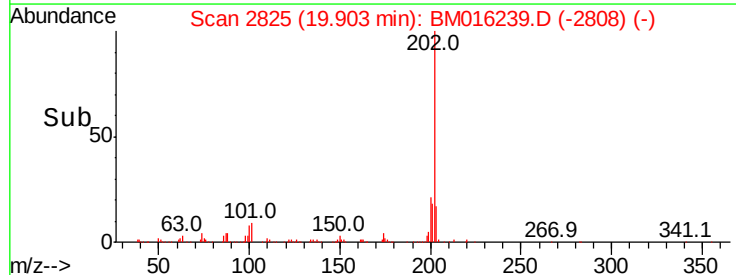
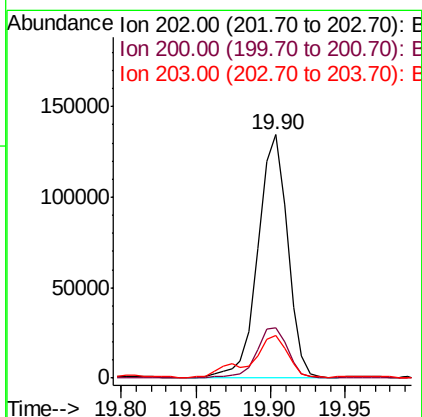
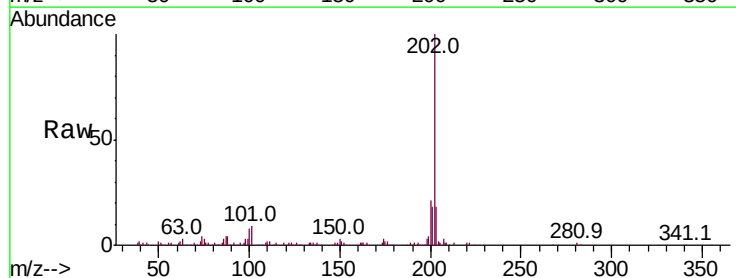
Manual Integrations
 APPROVED

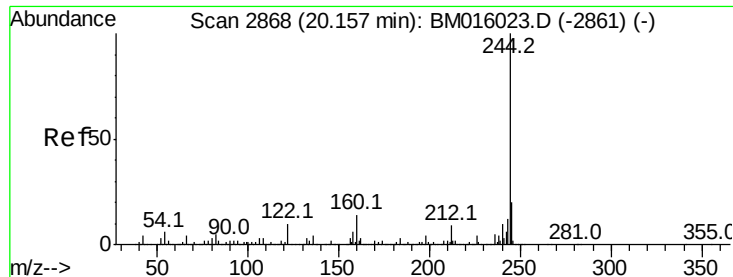
Sohil
 8/8/2018 5:35:12 PM



#77
 Pyrene
 Concen: 12.390 ng
 RT: 19.90 min Scan# 2825
 Delta R.T. -0.00 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3
203	17.5	14.1	21.1





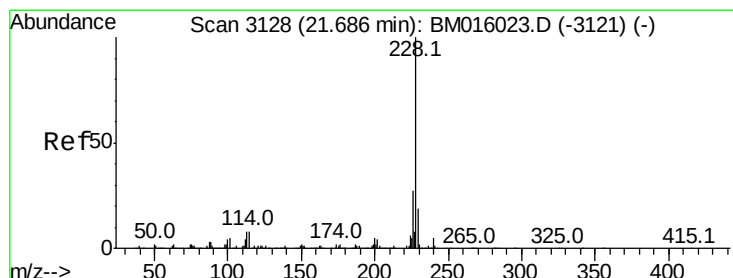
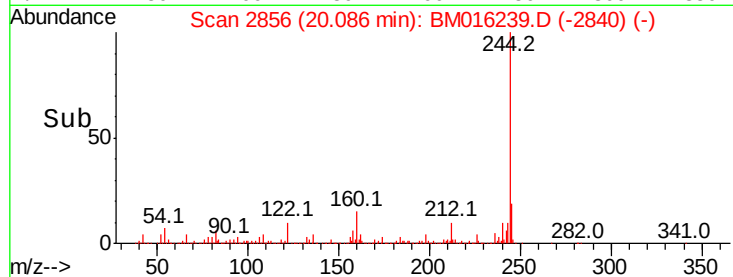
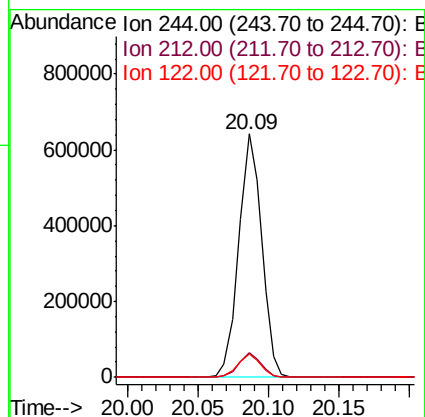
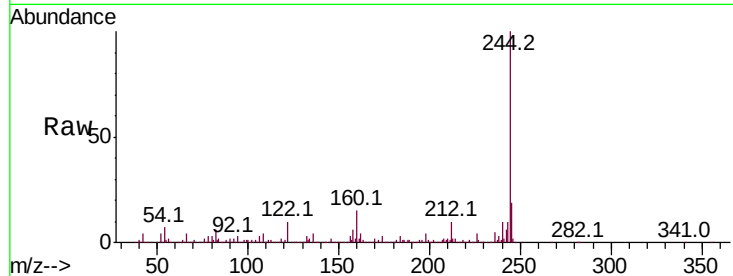
#78
 Terphenyl-d14
 Concen: 12.390 ng
 RT: 20.09 min Scan# 2856
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Instrument :
 BNA_M
 ClientSampled :
 C-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.1	4.9	7.3#
122	9.6	6.2	9.4#

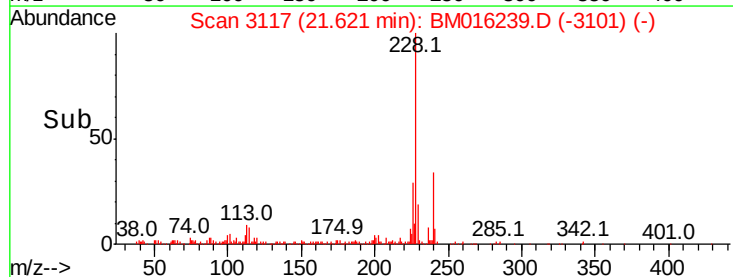
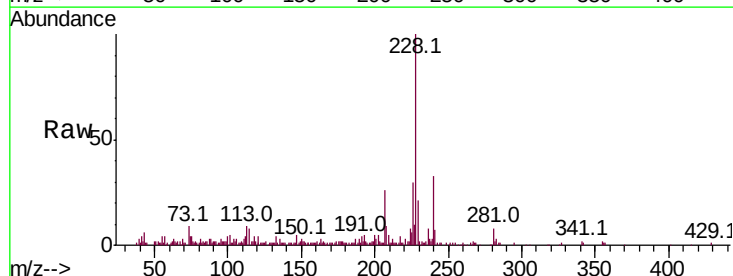
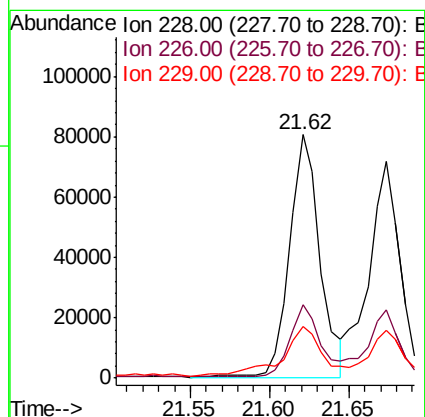
Manual Integrations
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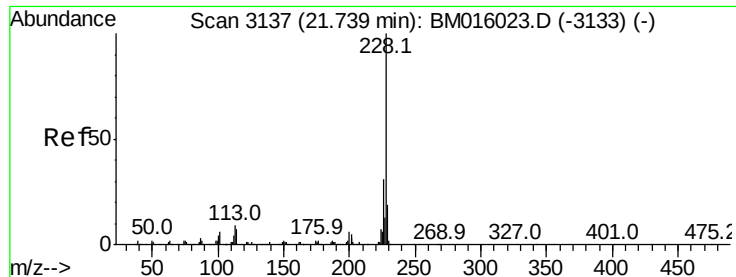
Sohil
 8/8/2018 5:35:12 PM



#80
 Benzo(a)anthracene
 Concen: 6.949 ng
 RT: 21.62 min Scan# 3117
 Delta R.T. -0.01 min
 Lab File: BM016239.D
 Acq: 08 Aug 2018 04:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.7	32.5
229	21.0	16.0	24.0





#82

Chrysene

Concen: 6.550 ng

RT: 21.67 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

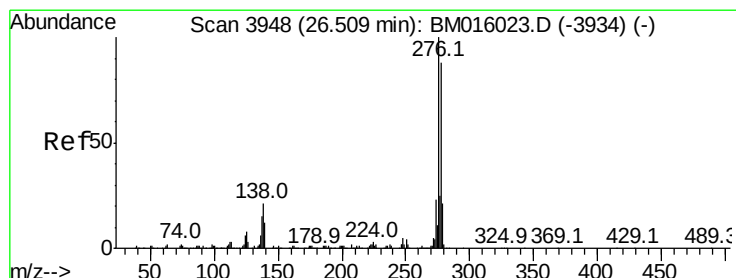
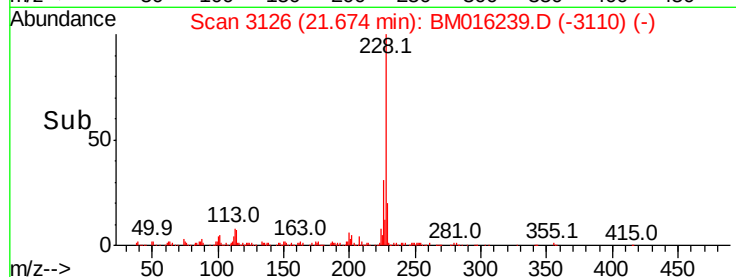
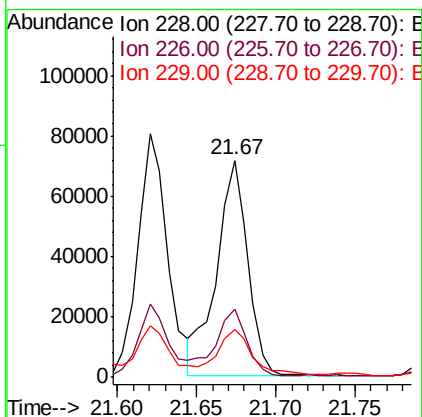
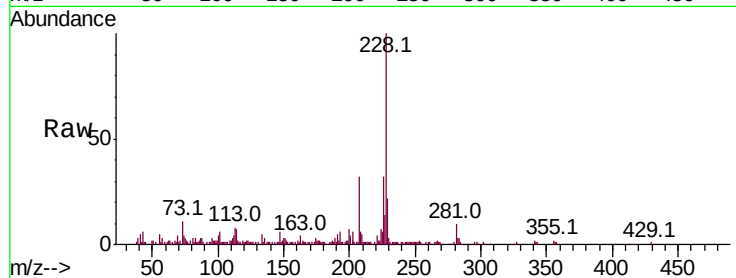
ClientSampled :

C-3

Tot Ion:	228	Resp:	96747
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.1	36.1
229	22.3	15.5	23.3

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.820 ng

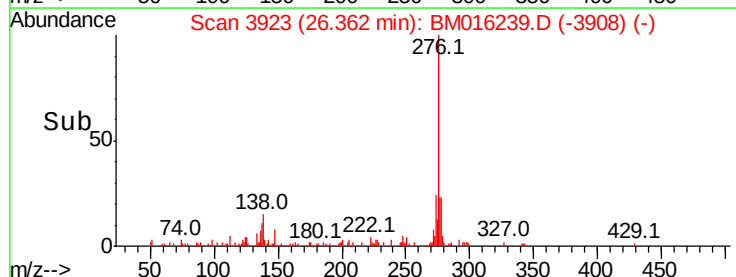
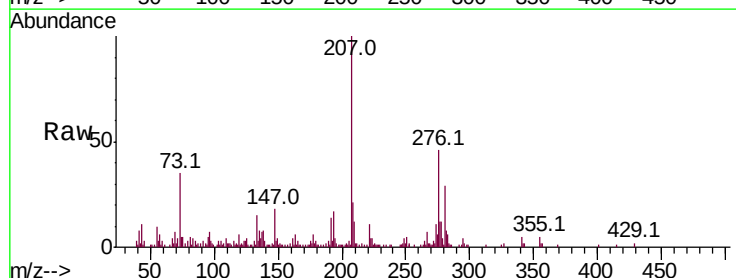
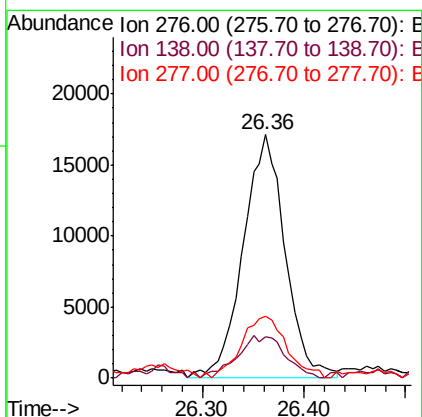
RT: 26.36 min Scan# 3923

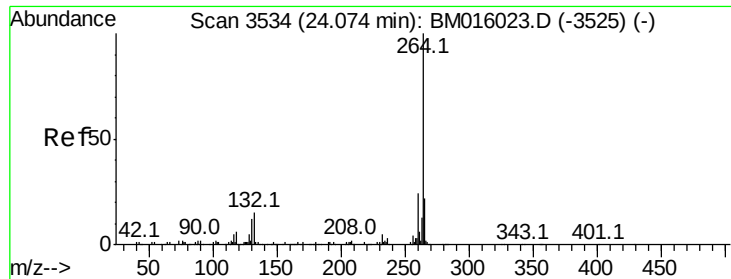
Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Tgt Ion:	276	Resp:	49428
Ion Ratio	Lower	Upper	
276	100		
138	20.0	12.0	18.0#
277	27.4	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: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

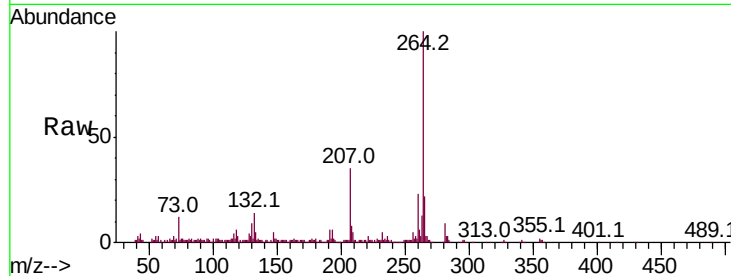
ClientSampled :

C-3

Tot Ion:	264	Resp:	216402
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	27.8
265	21.7	17.3	25.9

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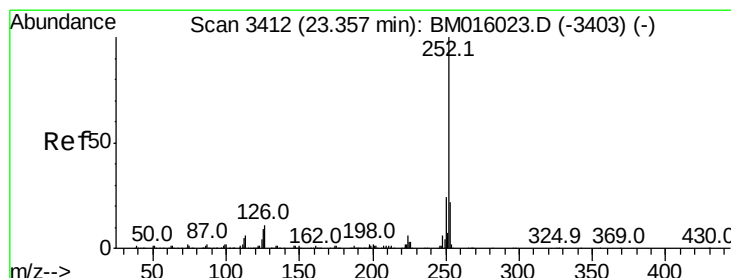
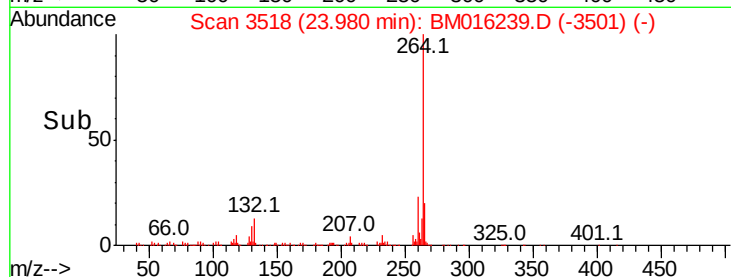
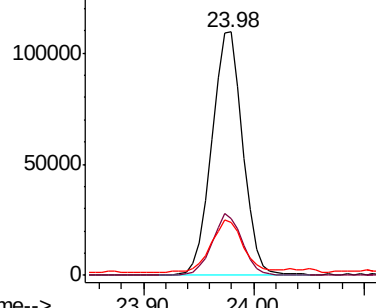


Abundance

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: 8.363 ng

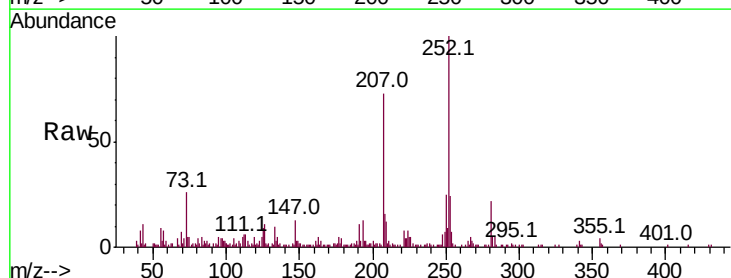
RT: 23.27 min Scan# 3397

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Tgt Ion:	252	Resp:	106561
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.0	27.0
125	9.0	9.9	14.9#

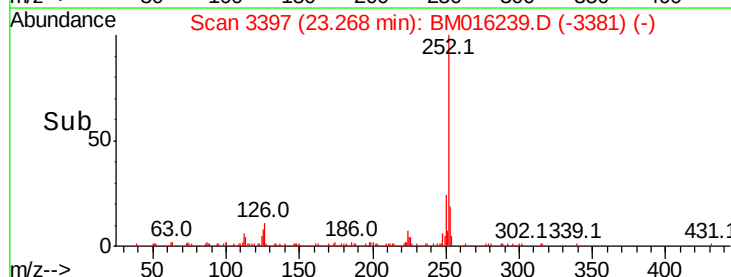
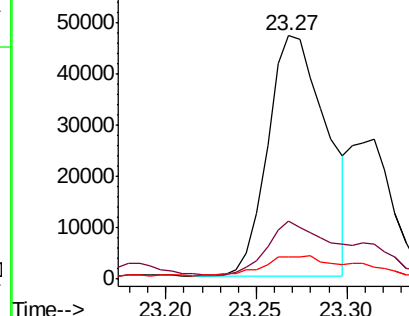


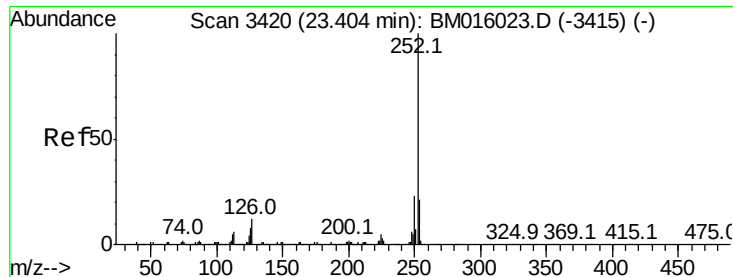
Abundance

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: 3.548 ng/mL

RT: 23.31 min Scan# 3405

Delta R.T. -0.01 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Instrument :

BNA_M

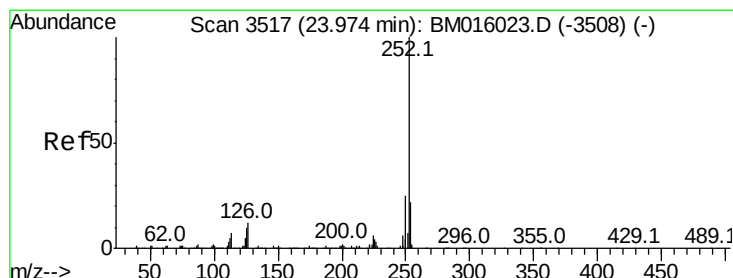
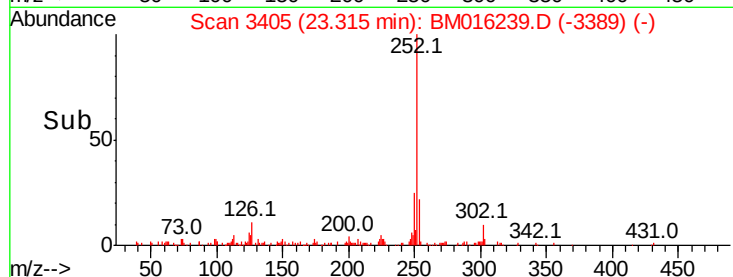
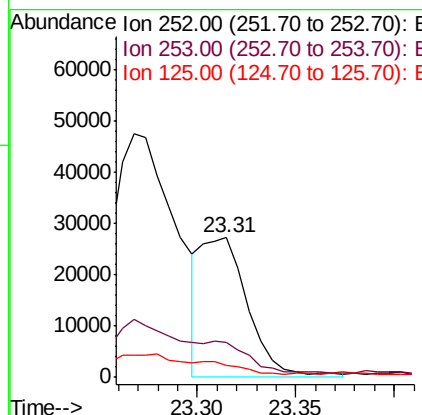
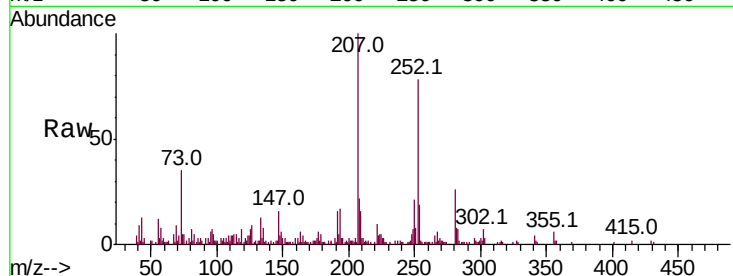
ClientSampled :

C-3

Tot Ion:	252	Resp:	45820
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.2	25.8
125	8.5	8.1	12.1

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#89

Benzo(a)pyrene

Concen: 6.275 ng/mL

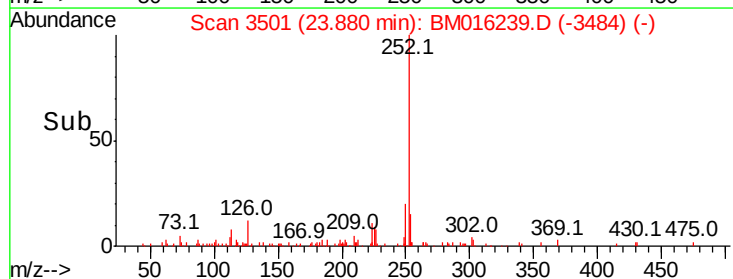
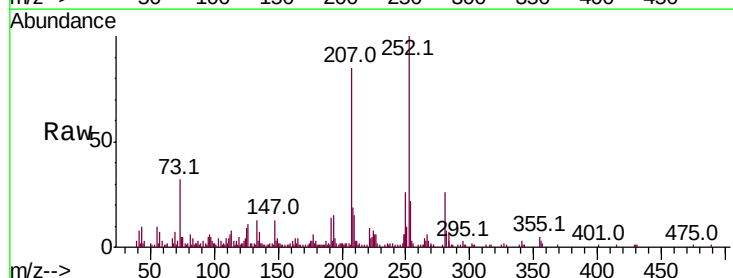
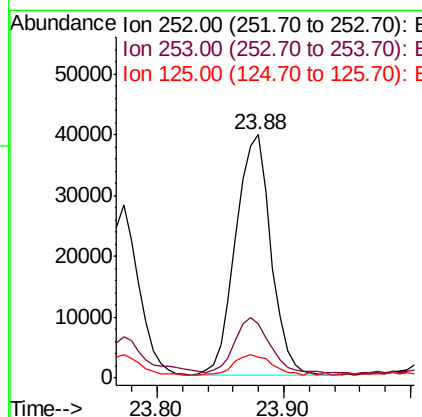
RT: 23.88 min Scan# 3501

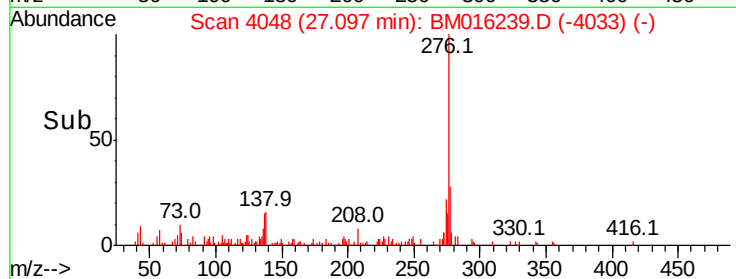
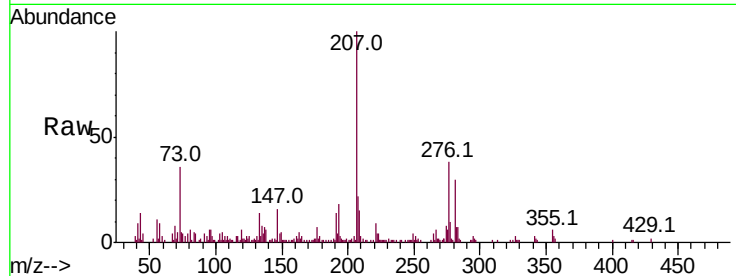
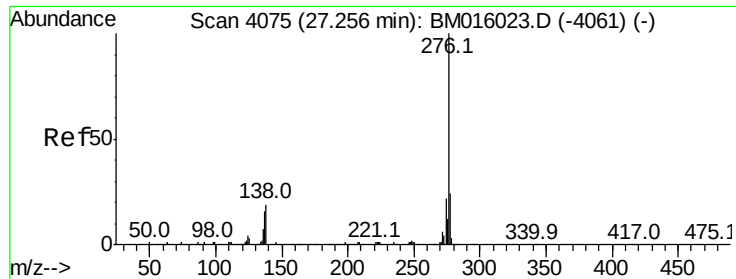
Delta R.T. -0.00 min

Lab File: BM016239.D

Acq: 08 Aug 2018 04:44

Tgt Ion:	252	Resp:	76863
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	8.5	7.4	11.2





#91
Benzo(a,h,i)perylene
Concen: 3.877 ng
RT: 27.10 min Scan# 4048
Delta R.T. -0.01 min
Lab File: BM016239.D
Acq: 08 Aug 2018 04:44

Instrument :
BNA_M
ClientSampleId :
C-3

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.4	18.5	27.7
138	16.0	19.0	28.6

Manual Integrations
APPROVED

Sohil
8/8/2018 5:35:12 PM

