

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
 Data File : BM003473.D
 Acq On : 11 Dec 2015 03:35
 Operator : UM/IZ
 Sample : G4725-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SB2(2-4)

Manual Integrations
 APPROVED

MMdadoda
 12/11/2015 6:00:54 PM

Quant Time: Dec 11 07:38:54 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 18:52:47 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	75142	20.00	ng	0.00
21) Naphthalene-d8	10.51	136	316486	20.00	ng	0.00
38) Acenaphthene-d10	14.37	164	160699	20.00	ng	0.00
63) Phenanthrene-d10	17.12	188	318908	20.00	ng	0.00
75) Chrysene-d12	21.31	240	317843	20.00	ng	-0.01
86) Perylene-d12	23.56	264	321365	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	691416	163.59	ng	0.00
7) Phenol-d6	6.90	99	909803	155.02	ng	0.00
23) Nitrobenzene-d5	8.88	82	542689	106.32	ng	0.00
41) 2,4,6-Tribromophenol	15.86	330	236669	147.47	ng	0.00
44) 2-Fluorobiphenyl	12.99	172	1109503	94.07	ng	0.00
78) Terphenyl-d14	19.75	244	1100380	81.64	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.92	94	14697	2.36	ng	# 75
37) 2-Methylnaphthalene	12.18	142	24568	2.16	ng	98
49) Dimethylphthalate	13.83	163	146153	11.04	ng	# 99
70) Phenanthrene	17.16	178	165780	9.26	ng	99
71) Anthracene	17.25	178	39062	2.20	ng	100
74) Fluoranthene	19.18	202	215370	11.67	ng	97
77) Pyrene	19.54	202	188802	8.47	ng	99
80) Benzo(a)anthracene	21.29	228	96425	5.06	ng	98
82) Chrysene	21.34	228	84568m	4.61	ng	
85) Indeno(1,2,3-cd)pyrene	25.83	276	49965	2.59	ng	# 100
87) Benzo(b)fluoranthene	22.89	252	106938m	5.47	ng	
89) Benzo(a)pyrene	23.46	252	81220	4.42	ng	# 94
91) Benzo(a,h,i)perylene	26.53	276	49816	2.75	ng	98

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

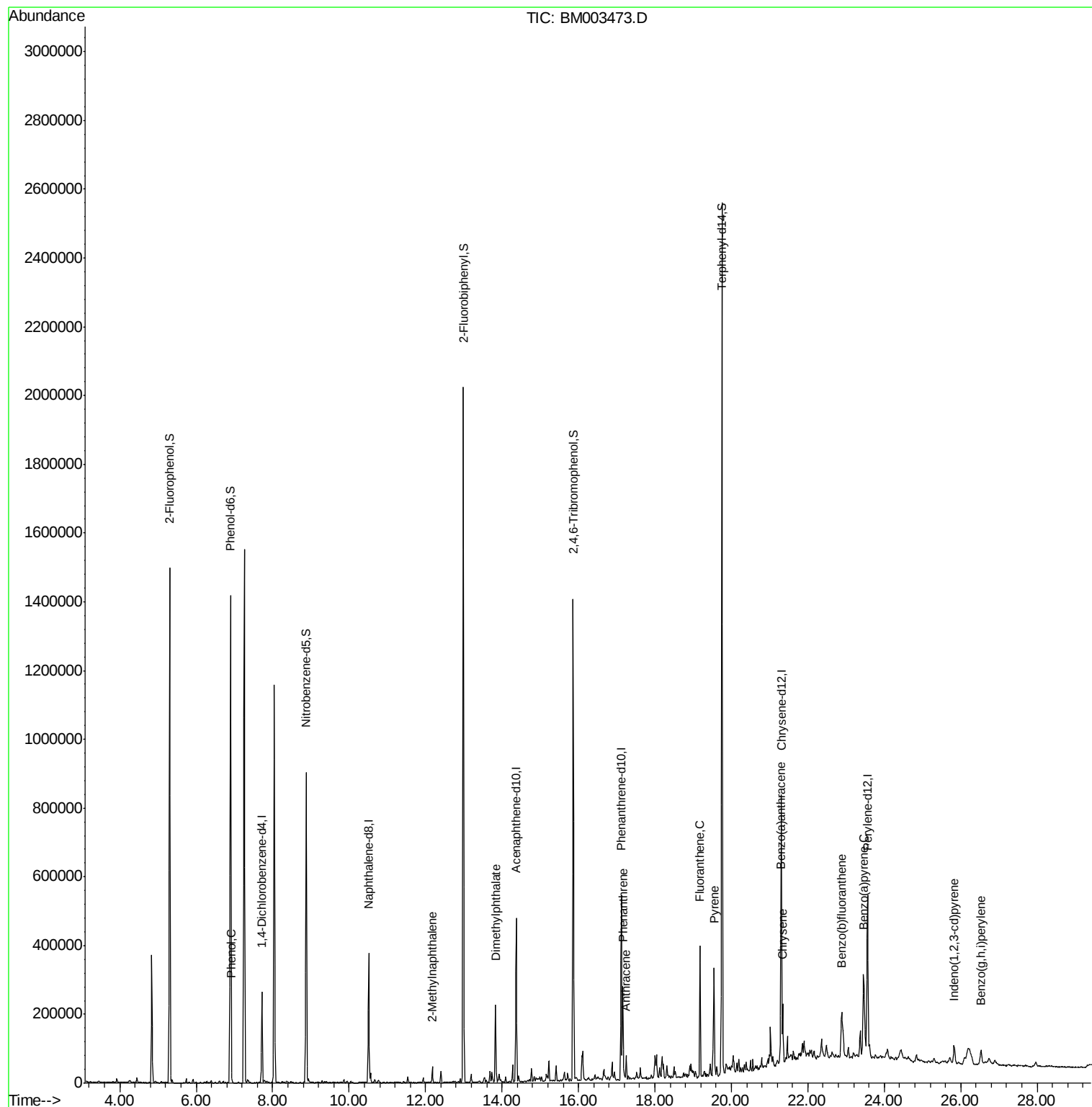
Data Path : Z:\HPCHEM1\BNA M\DATA\BM121015\
Data File : BM003473.D
Acq On : 11 Dec 2015 03:35
Operator : UM/IZ
Sample : G4725-02
Misc :
ALS Vial : 41 Sample Multiplier: 1

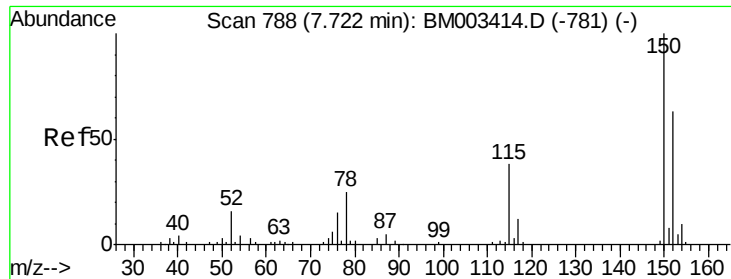
Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Manual Integrations
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Quant Time: Dec 11 07:38:54 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

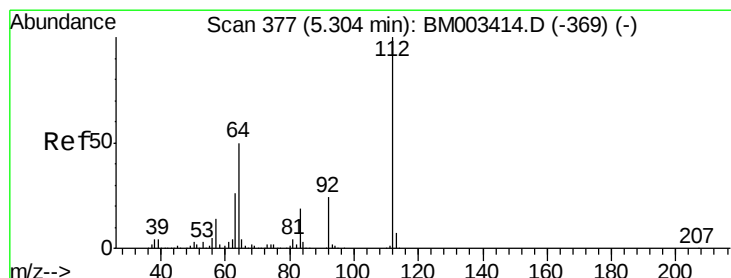
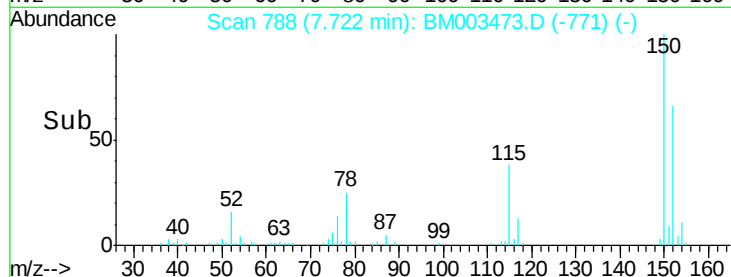
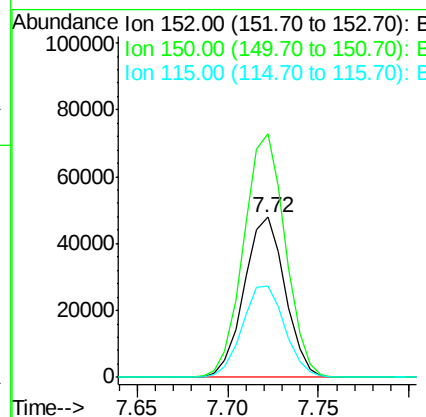
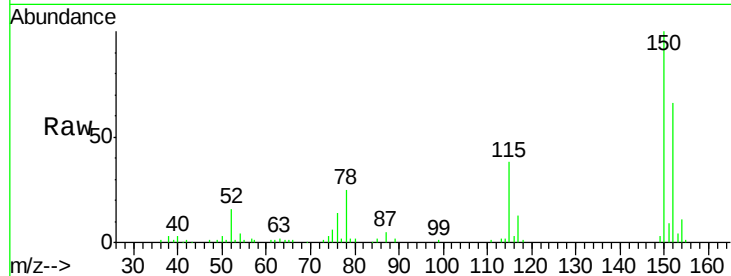
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	119.5	179.3
115	57.5	43.0	64.4

Manual Integrations
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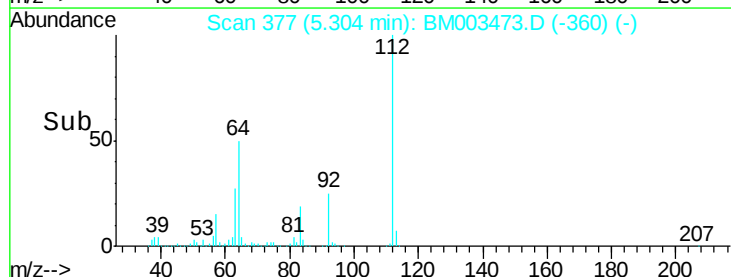
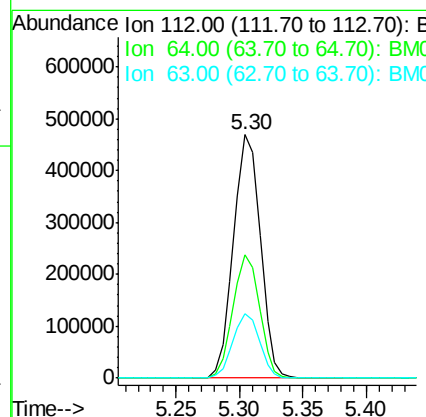
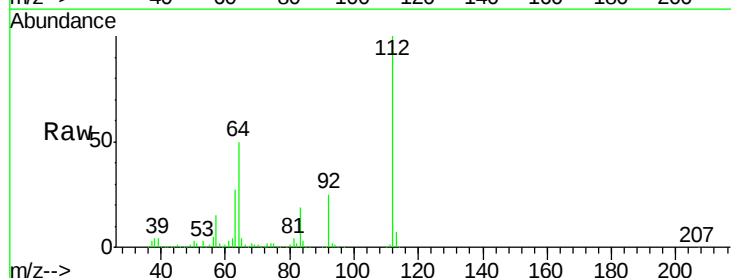
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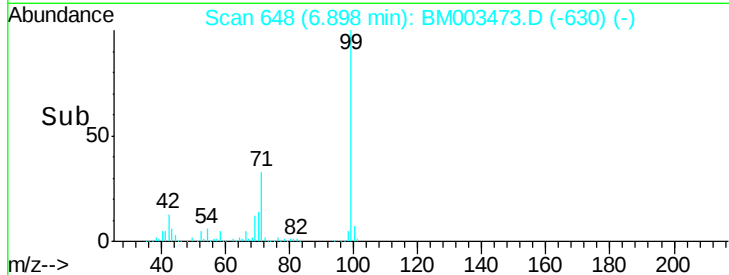
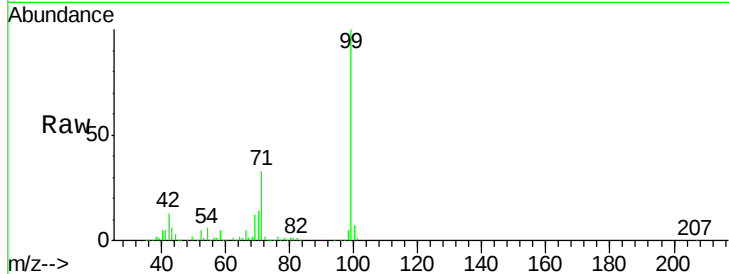
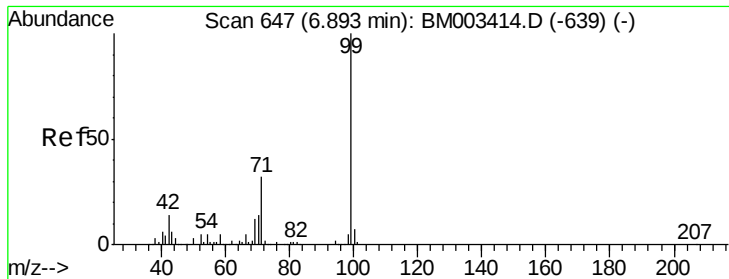


#5

2-Fluorophenol
Concen: 163.59 ng
RT: 5.30 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	38.6	57.8
63	26.5	19.3	28.9





#7

Phenol-d6

Concen: 155.02 ng

RT: 6.90 min Scan# 648

Delta R.T. 0.01 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Tot Ion:	99	Resp:	909803
Ion Ratio	Lower	Upper	
99	100		
42	13.4	11.0	16.4
71	33.3	23.4	35.2

Instrument :

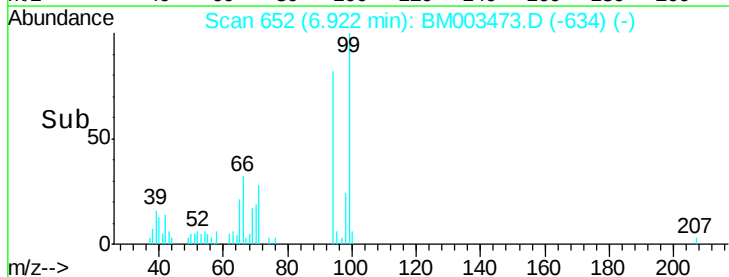
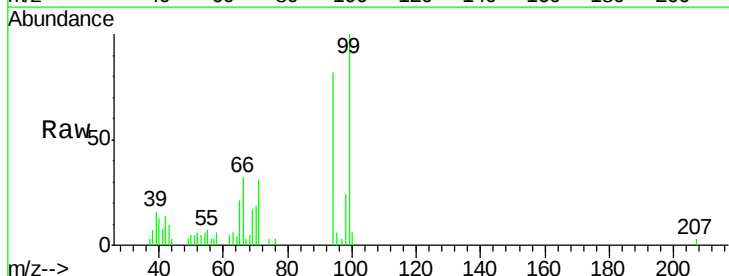
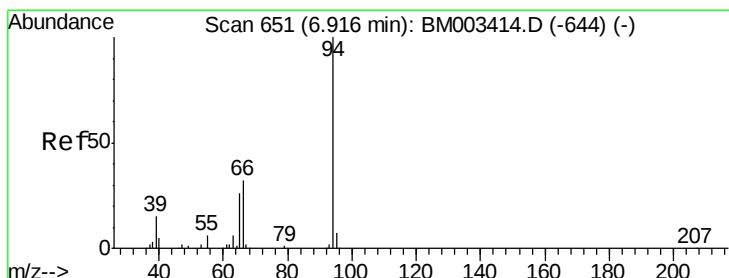
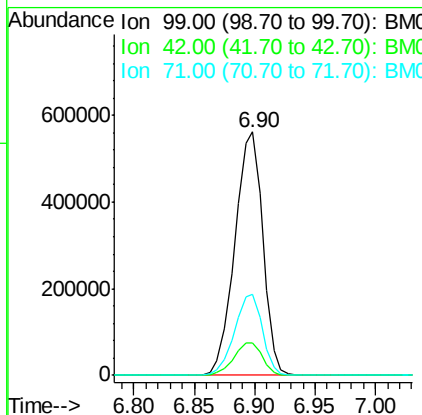
BNA_M

ClientSampleId :

SB2(2-4)

Manual Integrations
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#10

Phenol

Concen: 2.36 ng

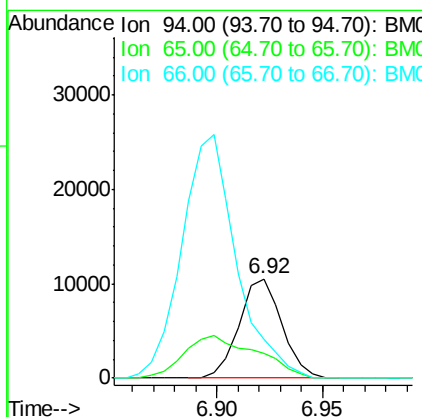
RT: 6.92 min Scan# 652

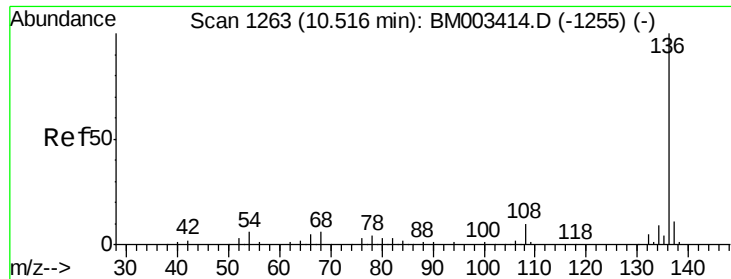
Delta R.T. 0.01 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Tgt Ion:	94	Resp:	14697
Ion Ratio	Lower	Upper	
94	100		
65	25.5	18.8	58.8
66	39.1	39.9	79.9#





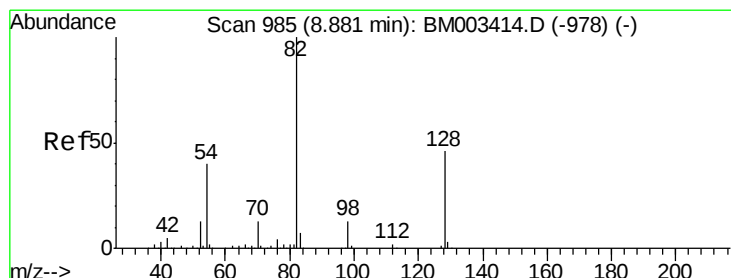
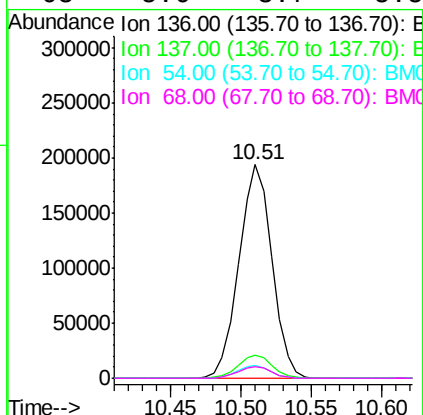
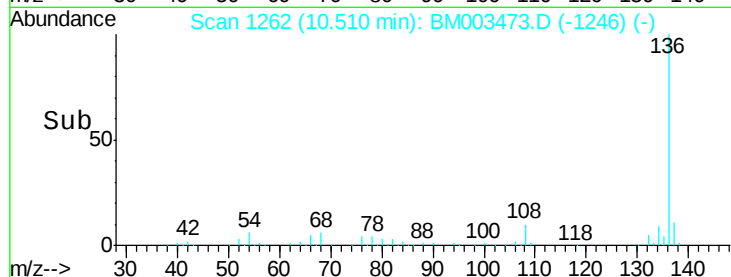
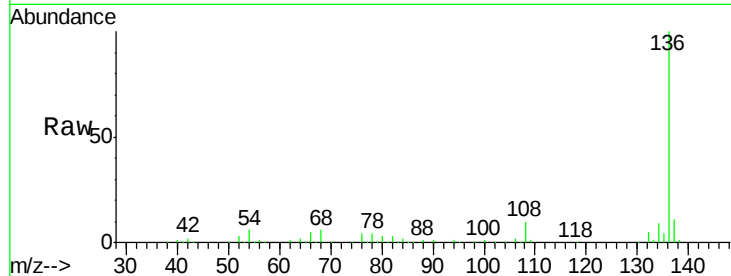
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	5.9	4.6	6.8
68	5.6	3.7	5.5#

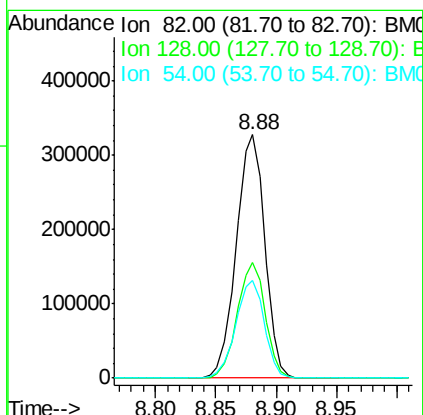
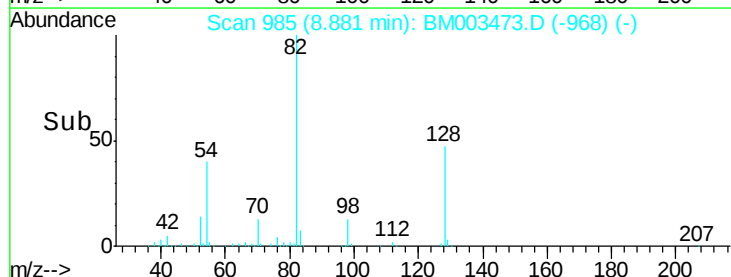
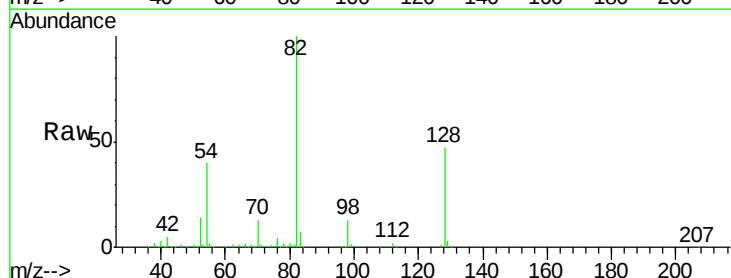
Manual Integrations
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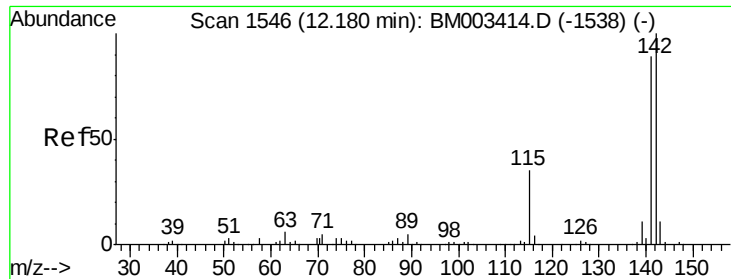
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#23
Nitrobenzene-d5
Concen: 106.32 ng
RT: 8.88 min Scan# 985
Delta R.T. -0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.5	32.8	49.2
54	40.1	40.6	60.8#





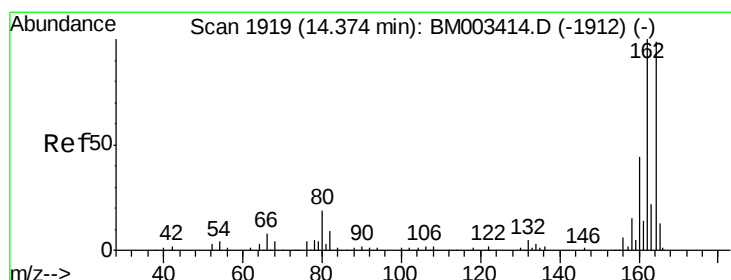
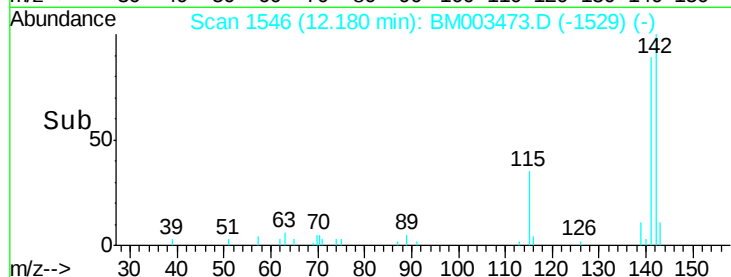
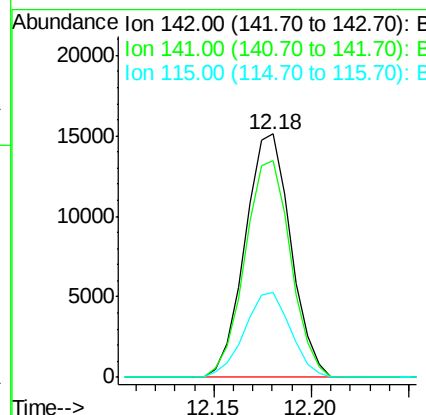
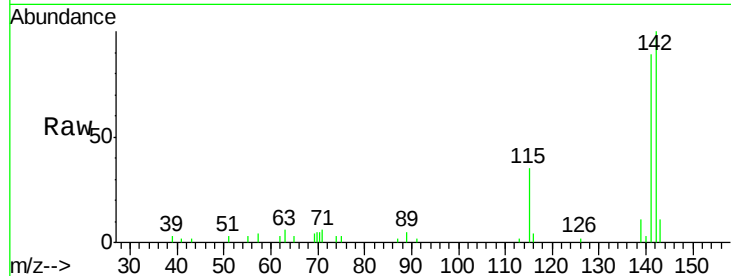
#37
2-Methylnaphthalene
Concen: 2.16 ng
RT: 12.18 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.9	107.9
115	34.9	25.4	38.0

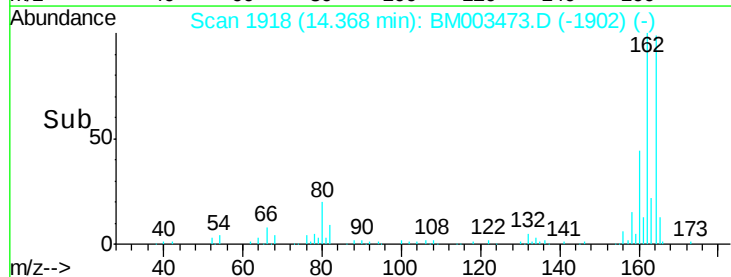
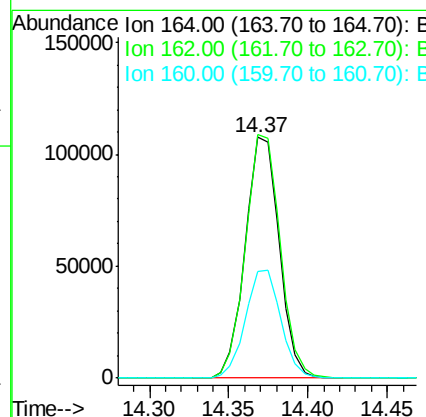
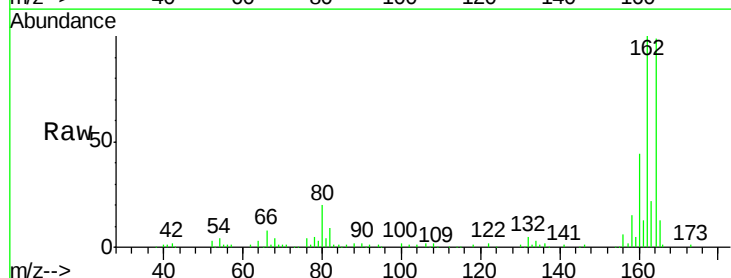
Manual Integrations
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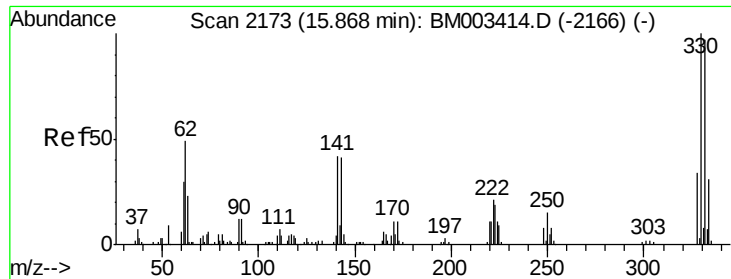
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1918
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.4	123.6
160	44.5	35.8	53.6





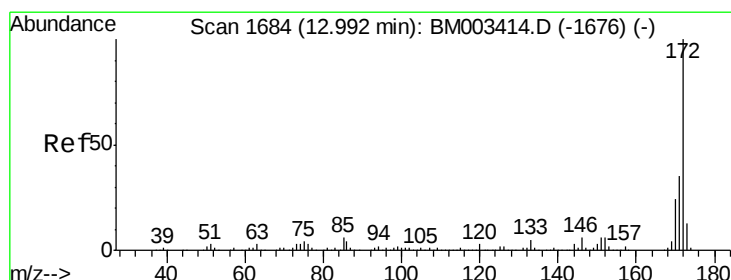
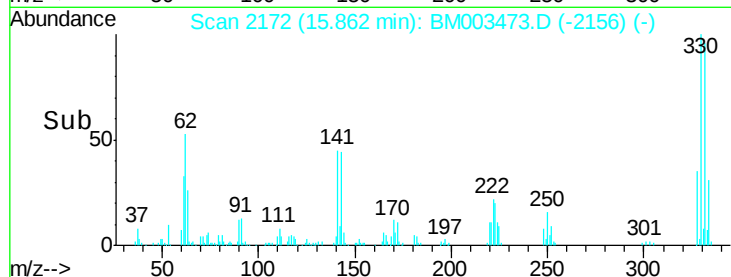
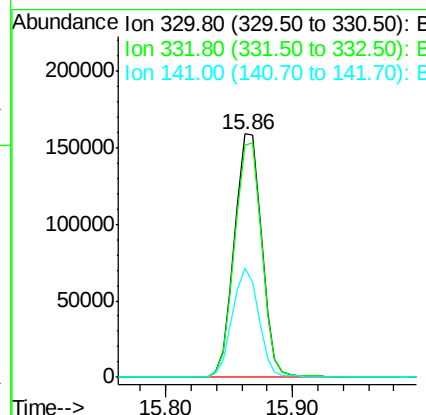
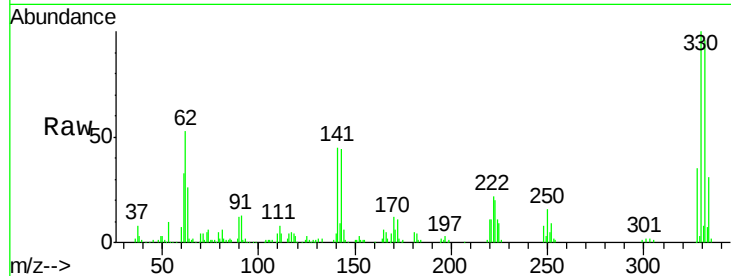
#41
 2,4,6-Tribromophenol
 Concen: 147.47 ng
 RT: 15.86 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BM003473.D
 Acq: 11 Dec 2015 03:35

Instrument :
 BNA_M
 ClientSampleId :
 SB2(2-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	236669		
332	96.3	0.0	0.0	0.0
141	43.6	0.0	0.0	0.0

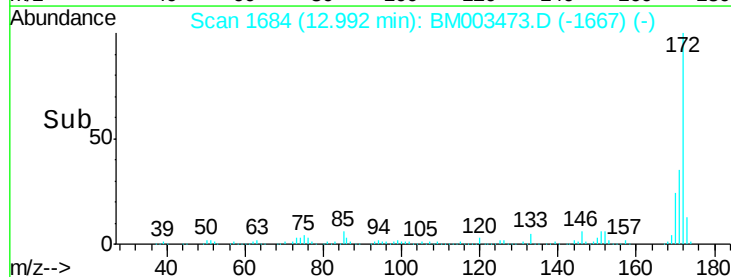
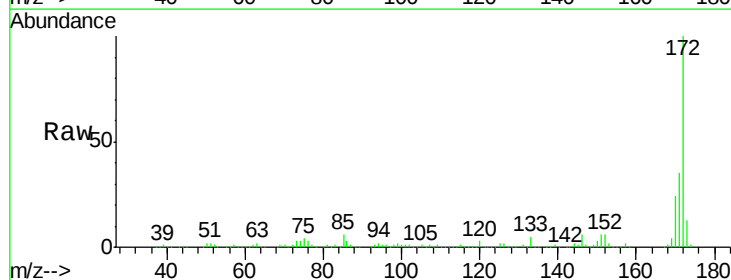
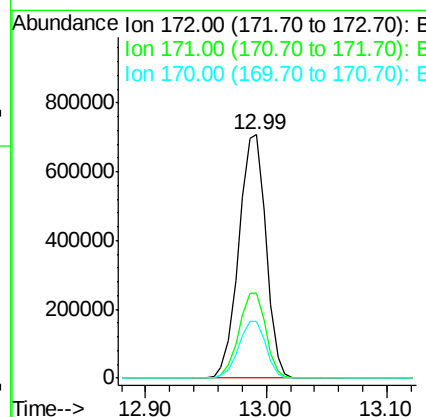
Manual Integrations
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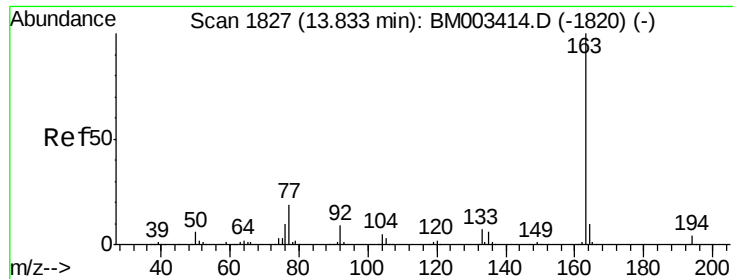
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#44
 2-Fluorobiphenyl
 Concen: 94.07 ng
 RT: 12.99 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: BM003473.D
 Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1109503		
171	34.9	28.5	28.5	42.7
170	23.5	18.8	18.8	28.2





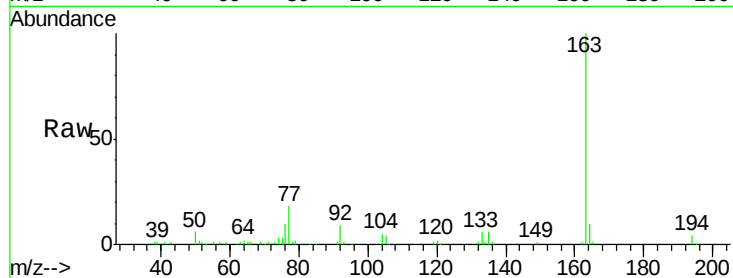
#49
Dimethylphthalate
Concen: 11.04 ng
RT: 13.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

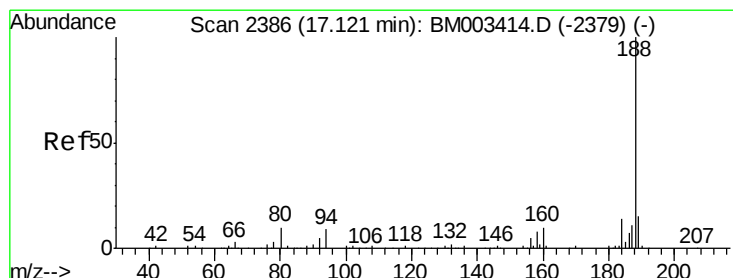
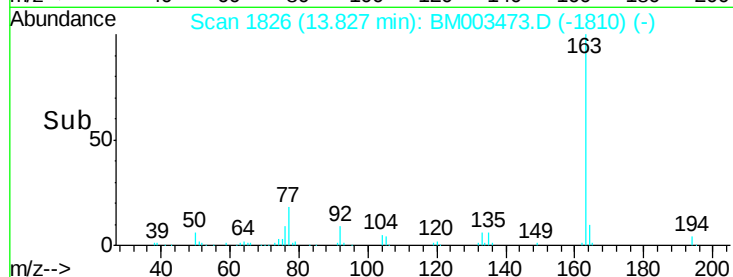
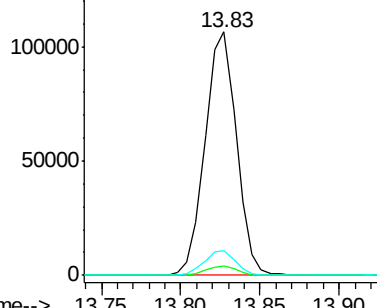
Tot Ion	Ratio	Resp	Lower	Upper
163	100	146153		
194	4.1	2.7	4.1#	
164	10.2	8.2	12.2	

Manual Integrations
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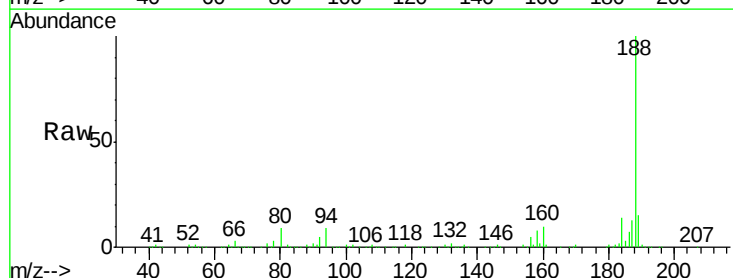


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

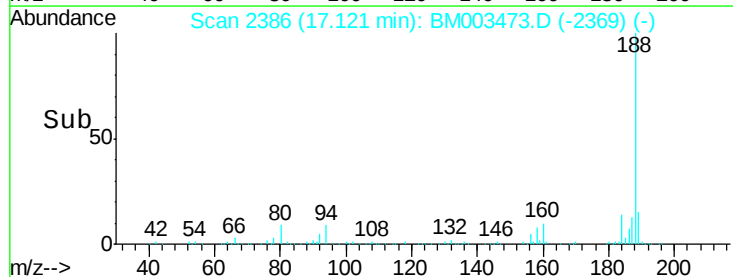
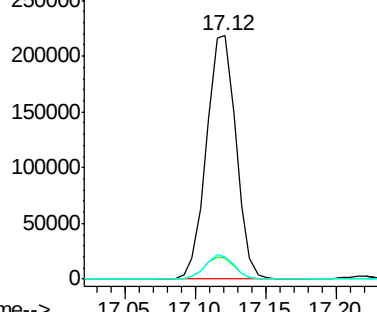


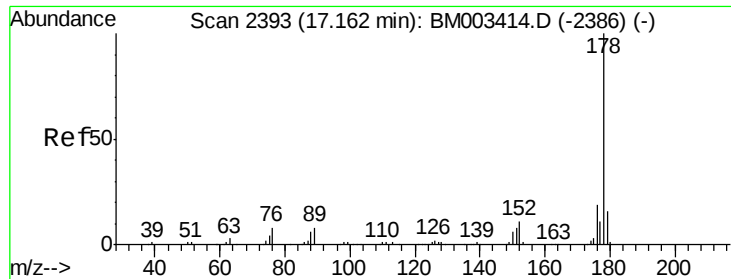
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.12 min Scan# 2386
Delta R.T. -0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	318908		
94	8.8	8.7	13.1	
80	9.3	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





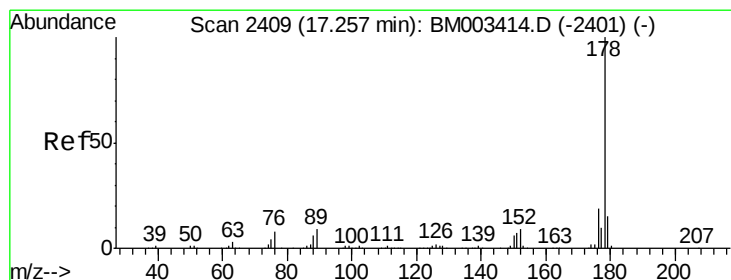
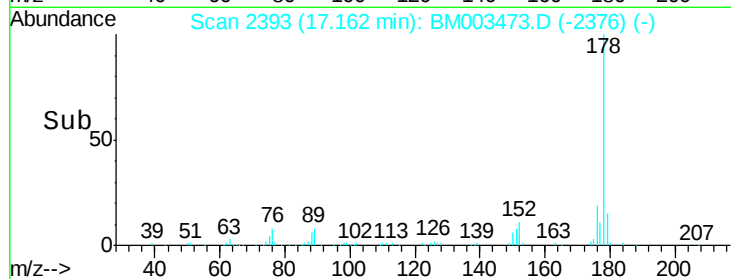
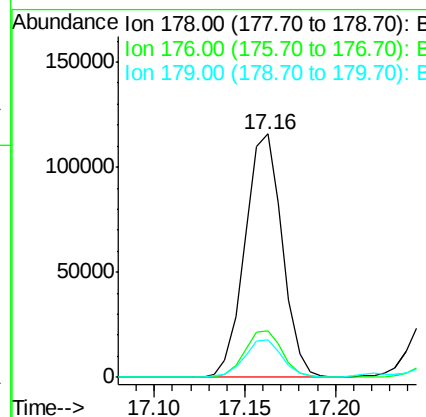
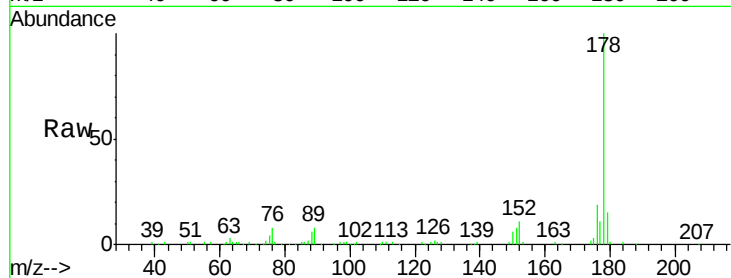
#70
Phenanthrene
Concen: 9.26 ng
RT: 17.16 min Scan# 2393
Delta R.T. -0.00 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.4	12.1	18.1

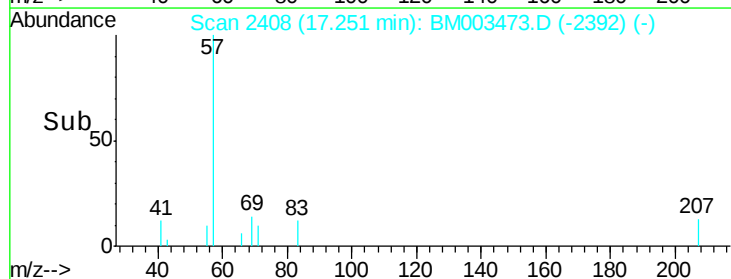
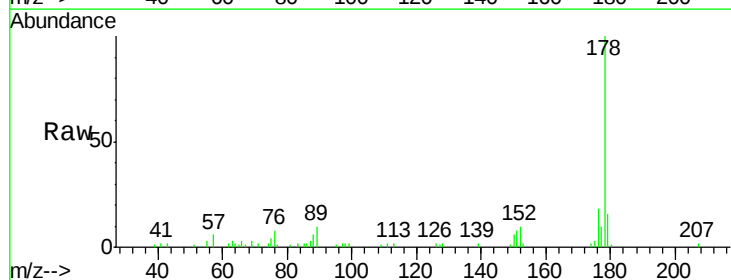
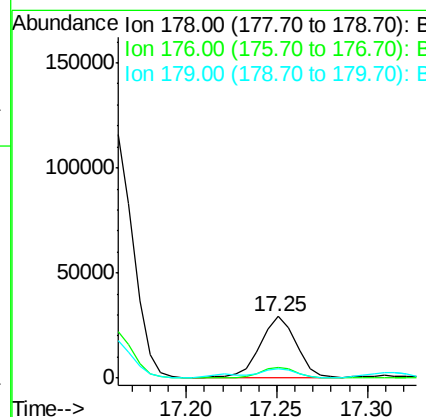
Manual Integrations
APPROVED

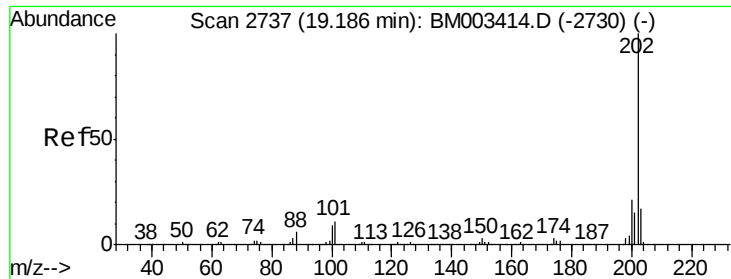
MMdadoda
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#71
Anthracene
Concen: 2.20 ng
RT: 17.25 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.8	12.6	19.0





#74

Fluoranthene

Concen: 11.67 ng

RT: 19.18 min Scan# 2736

Delta R.T. -0.01 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Instrument :

BNA_M

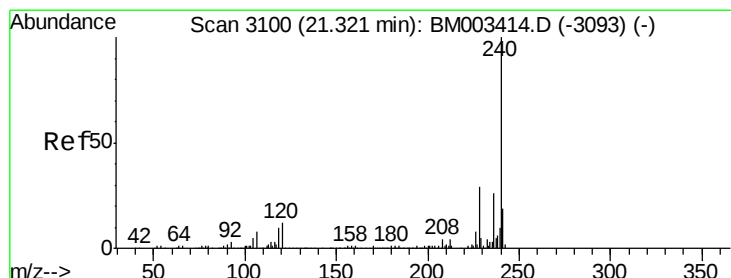
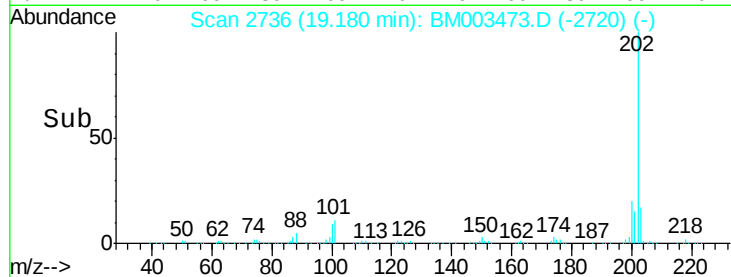
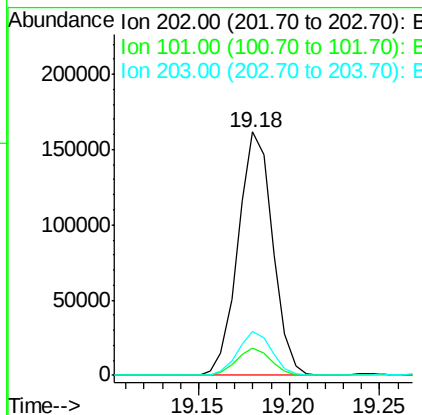
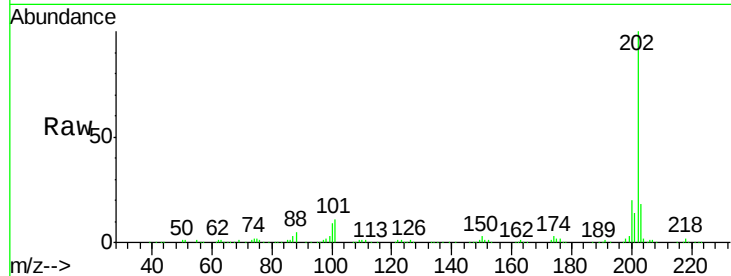
ClientSampleId :

SB2(2-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	28.7
203	17.8	0.0	37.2

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#75

Chrysene-d12

Concen: 20.00 ng

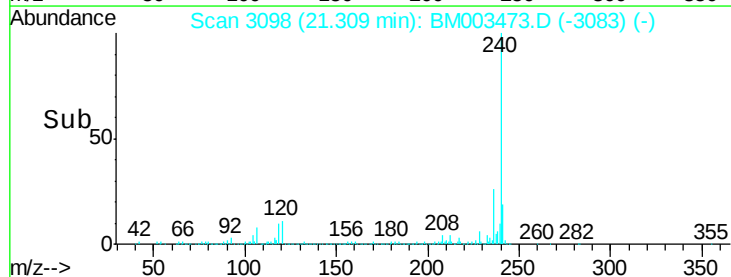
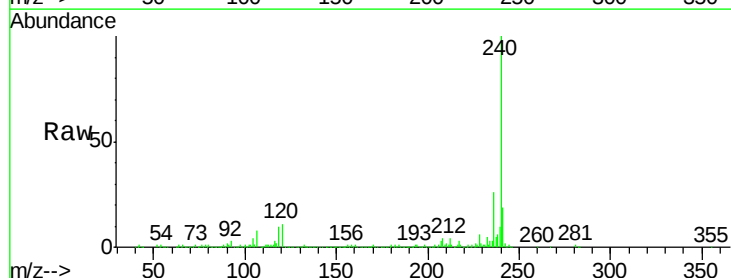
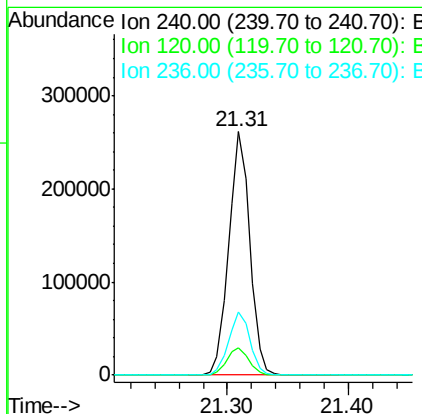
RT: 21.31 min Scan# 3098

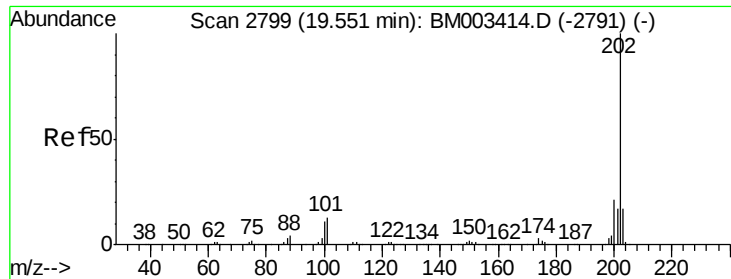
Delta R.T. -0.01 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.2	12.2
236	26.0	20.0	30.0





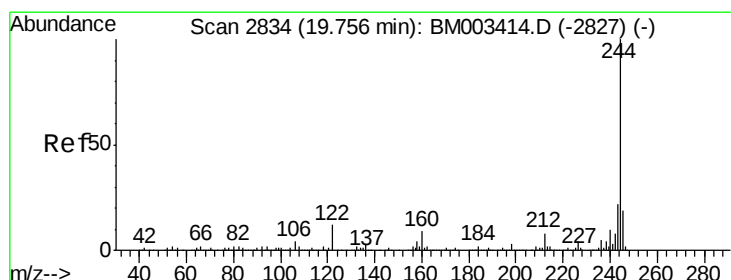
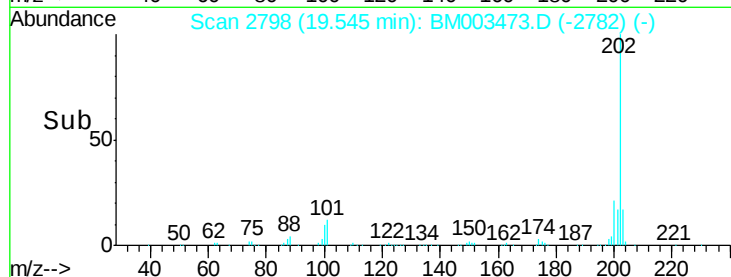
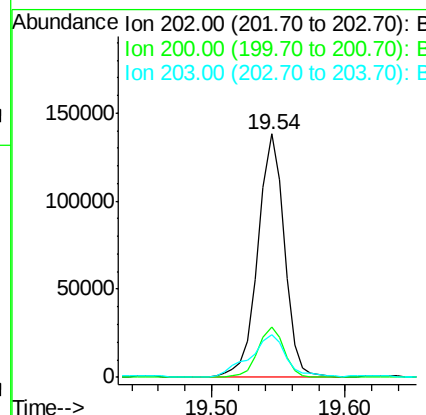
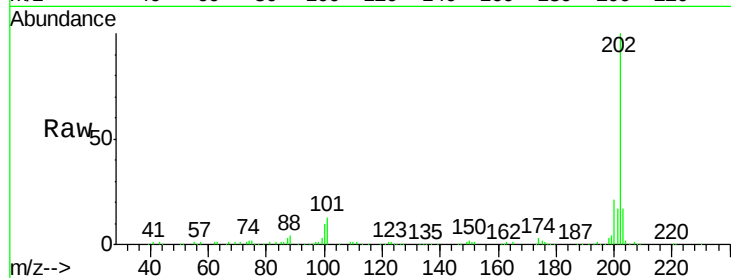
#77
Pvrene
Concen: 8.47 ng
RT: 19.54 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.9	25.3
203	17.5	14.1	21.1

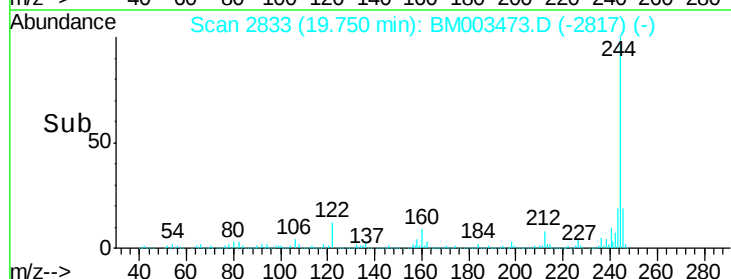
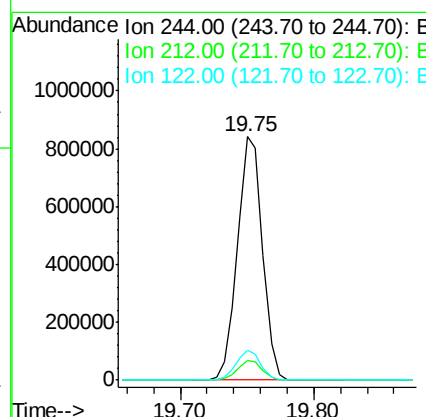
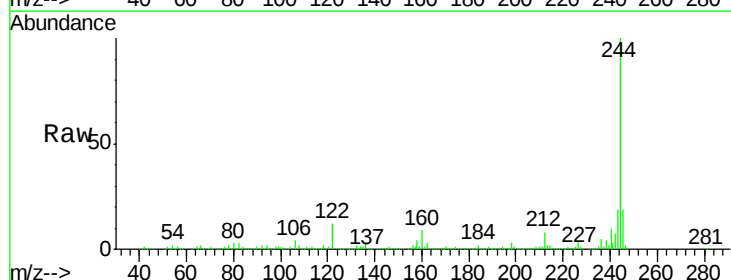
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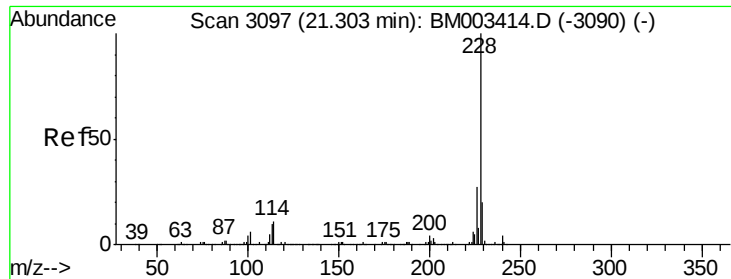
MMdadoda
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#78
Terphenyl-d14
Concen: 81.64 ng
RT: 19.75 min Scan# 2833
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	4.9	7.3#
122	12.0	6.2	9.4#





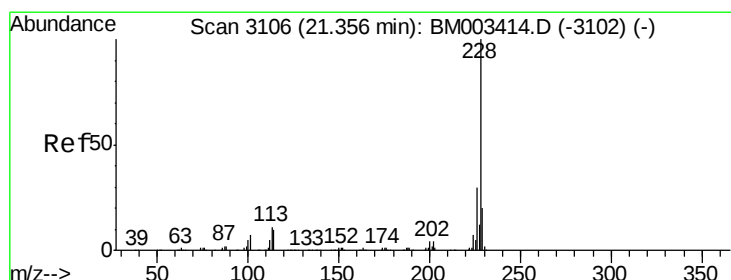
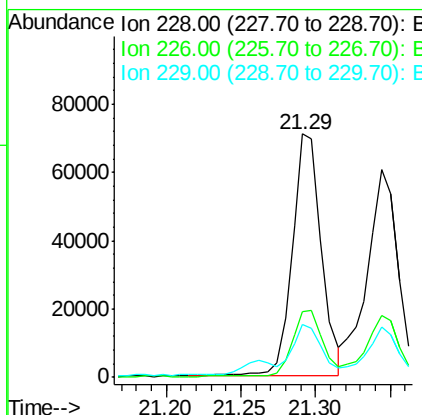
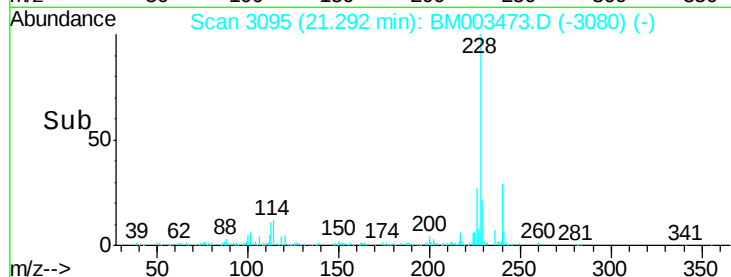
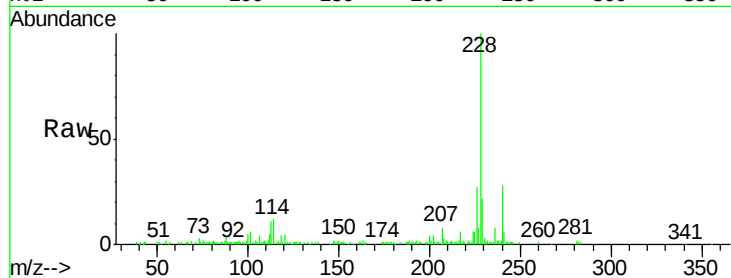
#80
Benzo(a)anthracene
Concen: 5.06 ng
RT: 21.29 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	21.6	16.0	24.0

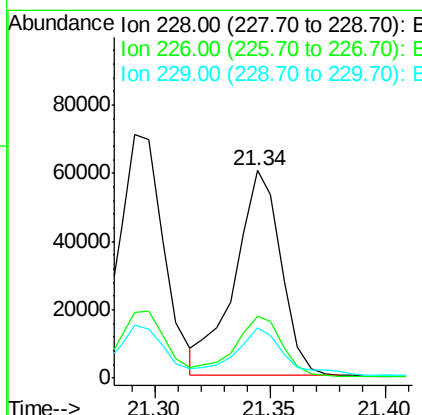
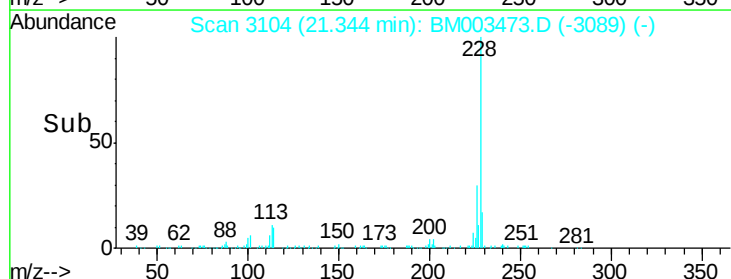
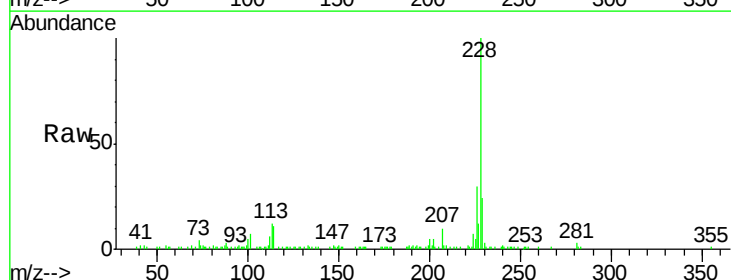
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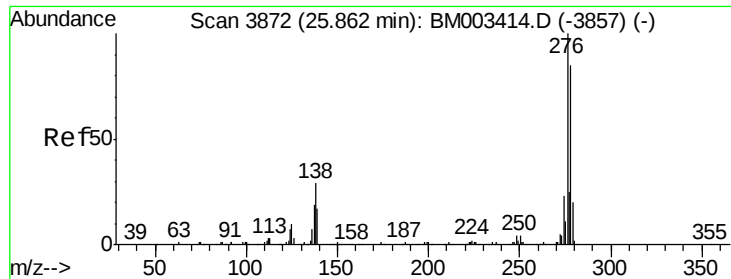
MMdadoda
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#82
Chrysene
Concen: 4.61 ng m
RT: 21.34 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.1	36.1
229	24.2	15.5	23.3#





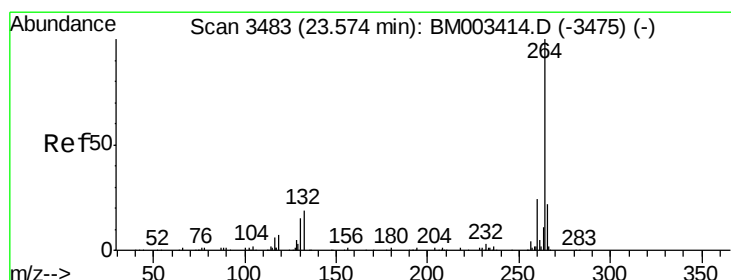
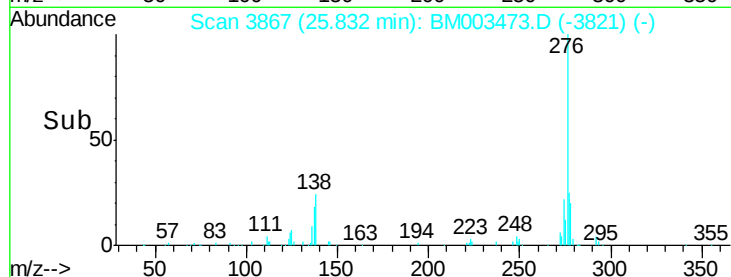
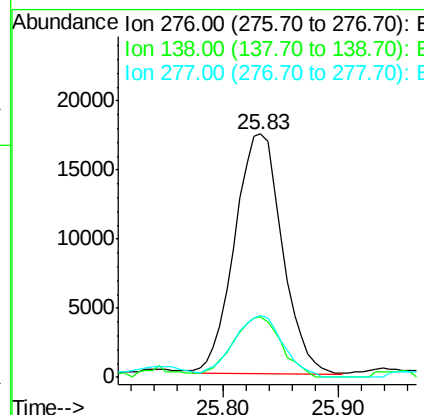
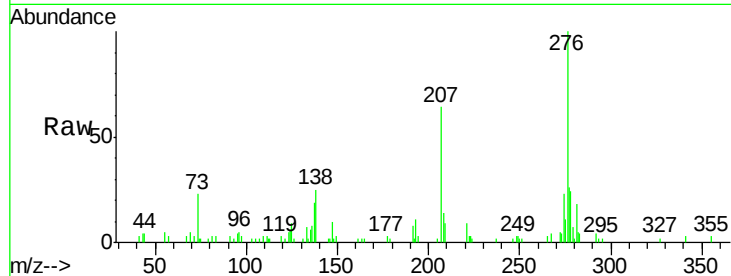
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.59 ng
RT: 25.83 min Scan# 3867
Delta R.T. -0.03 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Instrument :
BNA_M
ClientSampleId :
SB2(2-4)

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.0	0.0	0.0#
277	26.9	0.0	0.0#

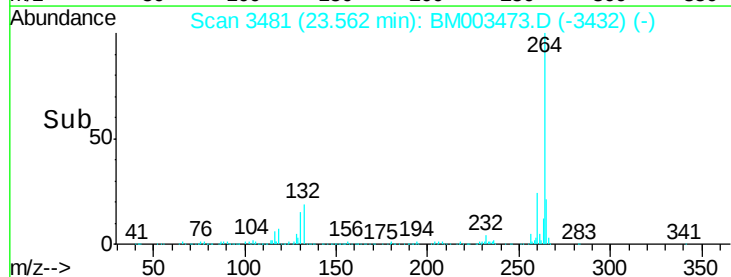
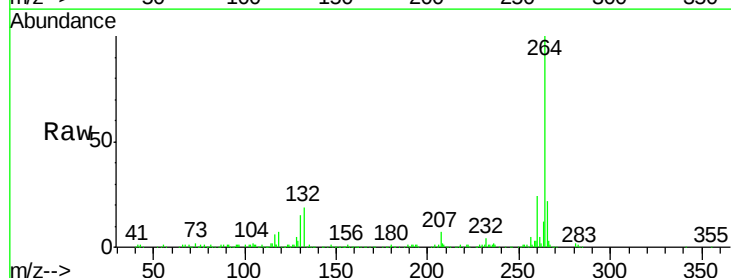
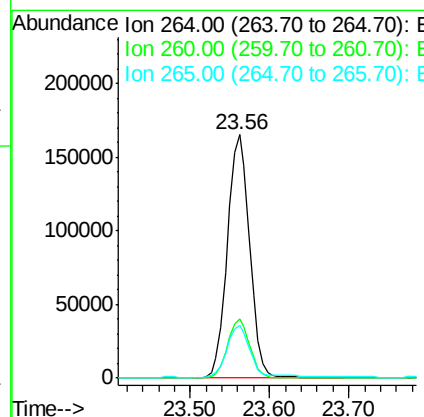
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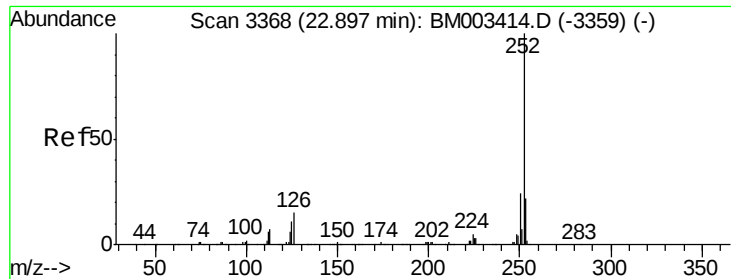
MMdadoda
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#86
Perylene-d12
Concen: 20.00 ng
RT: 23.56 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BM003473.D
Acq: 11 Dec 2015 03:35

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	18.6	27.8
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 5.47 ng

RT: 22.89 min Scan# 3368

Delta R.T. -0.01 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Instrument :

BNA_M

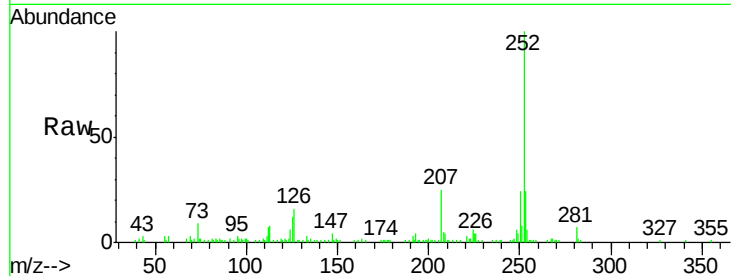
ClientSampleId :

SB2(2-4)

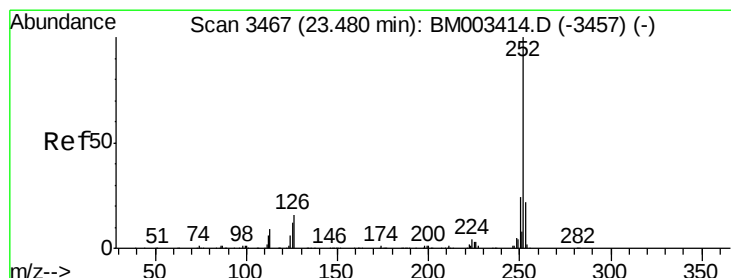
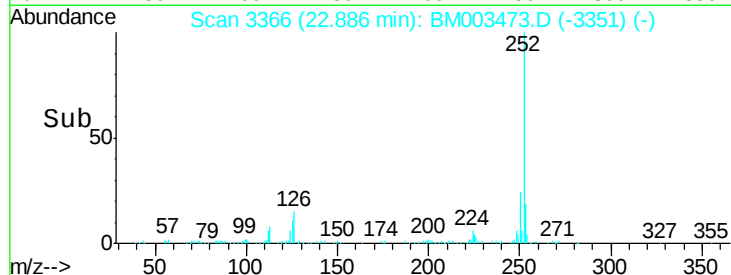
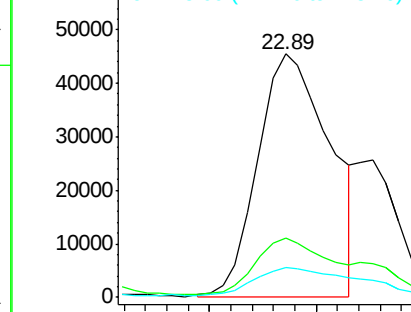
Tot Ion:	252	Resp:	106938
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	12.1	9.9	14.9

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: 4.42 ng

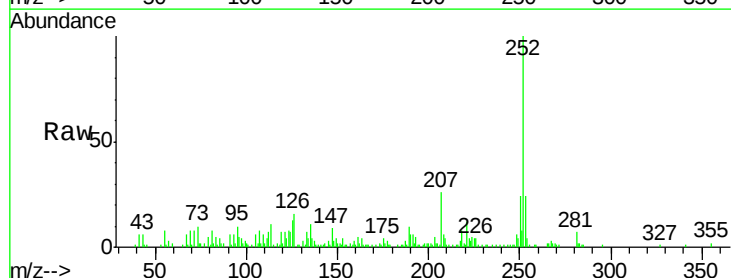
RT: 23.46 min Scan# 3464

Delta R.T. -0.02 min

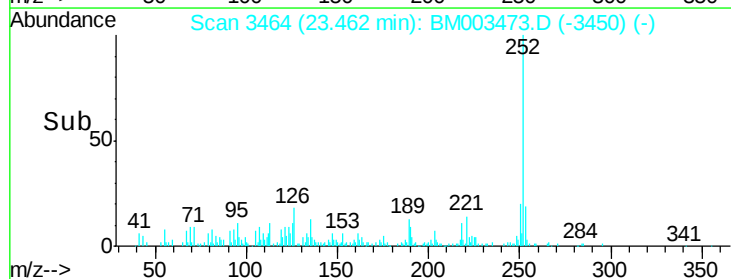
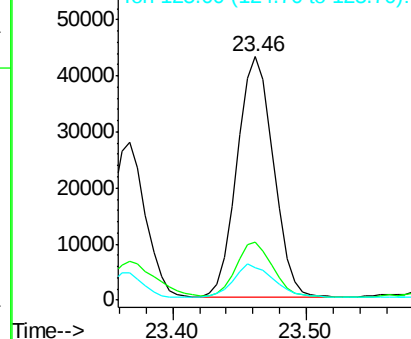
Lab File: BM003473.D

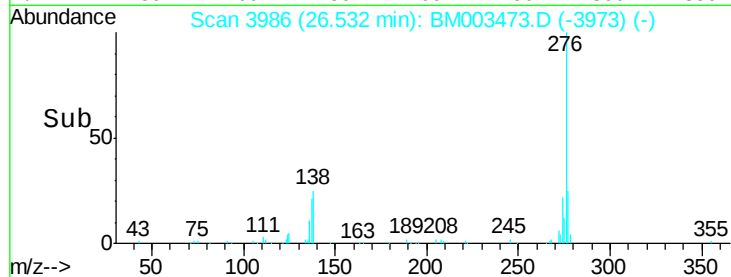
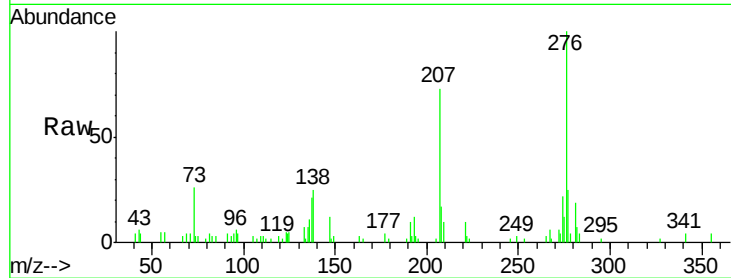
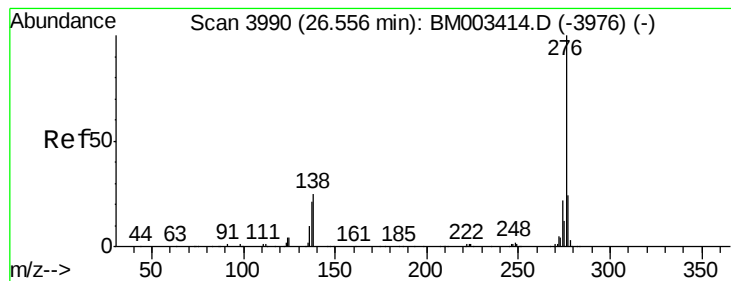
Acq: 11 Dec 2015 03:35

Tgt Ion:	252	Resp:	81220
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	13.4	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





#91

Benzo(a,h,i)perylene

Concen: 2.75 ng

RT: 26.53 min Scan# 3986

Delta R.T. -0.02 min

Lab File: BM003473.D

Acq: 11 Dec 2015 03:35

Instrument :

BNA_M

ClientSampleId :

SB2(2-4)

Tot Ion:	276	Resp:	49816
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.5	27.7
138	24.7	19.0	28.6

Manual Integrations
APPROVED

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12/11/2015 6:00:54 PM

