

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082415\
 Data File : BM002550.D
 Acq On : 24 Aug 2015 10:16
 Operator : UM/IZ
 Sample : G3372-24DL 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DX4DL

Manual Integrations
 APPROVED

MMDadoda
 8/24/2015 7:15:30 PM

Quant Time: Aug 24 17:55:11 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 23:16:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	114849	20.00	ng/ul	0.00
2) Naphthalene-d8	11.69	136	532589	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.40	164	284749	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.12	188	597104	20.00	ng/ul	0.00
17) Chrysene-d12	22.20	240	490667	20.00	ng/ul	0.00
22) Perylene-d12	24.84	264	385258	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.11	160	160707	5.52	ng/ul	0.00
10) Fluorene-d10	16.37	176	109884	5.37	ng/ul	0.00
14) Anthracene-d10	18.21	188	159490	5.54	ng/ul	0.00
18) Pyrene-d10	20.43	212	148122	6.81	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	85832	4.24	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.73	128	48153	1.77	ng/ul	99
8) Acenaphthylene	15.13	152	47671	1.56	ng/ul	98
9) Acenaphthene	15.47	153	37961	1.89	ng/ul	98
11) Fluorene	16.43	166	52787	2.30	ng/ul	99
13) Phenanthrene	18.16	178	1801611	52.25	ng/ul	100
15) Anthracene	18.24	178	100617	2.88	ng/ul	100
16) Fluoranthene	20.11	202	2139032	54.80	ng/ul	96
19) Pyrene	20.46	202	1564360	54.42	ng/ul	97
20) Benzo(a)anthracene	22.18	228	370824	12.64	ng/ul	99
21) Chrysene	22.24	228	591248	21.54	ng/ul	98
23) Benzo(b)fluoranthene	24.03	252	574791	24.68	ng/ul	97
24) Benzo(k)fluoranthene	24.07	252	152139m	6.89	ng/ul	
26) Benzo(a)pyrene	24.73	252	286881	12.90	ng/ul	96
27) Indeno(1,2,3-cd)pyrene	27.63	276	202434	7.91	ng/ul	95
28) Dibenzo(a,h)anthracene	27.63	278	48829	2.28	ng/ul#	76
29) Benzo(g,h,i)perylene	28.51	276	168894	7.93	ng/ul	99

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

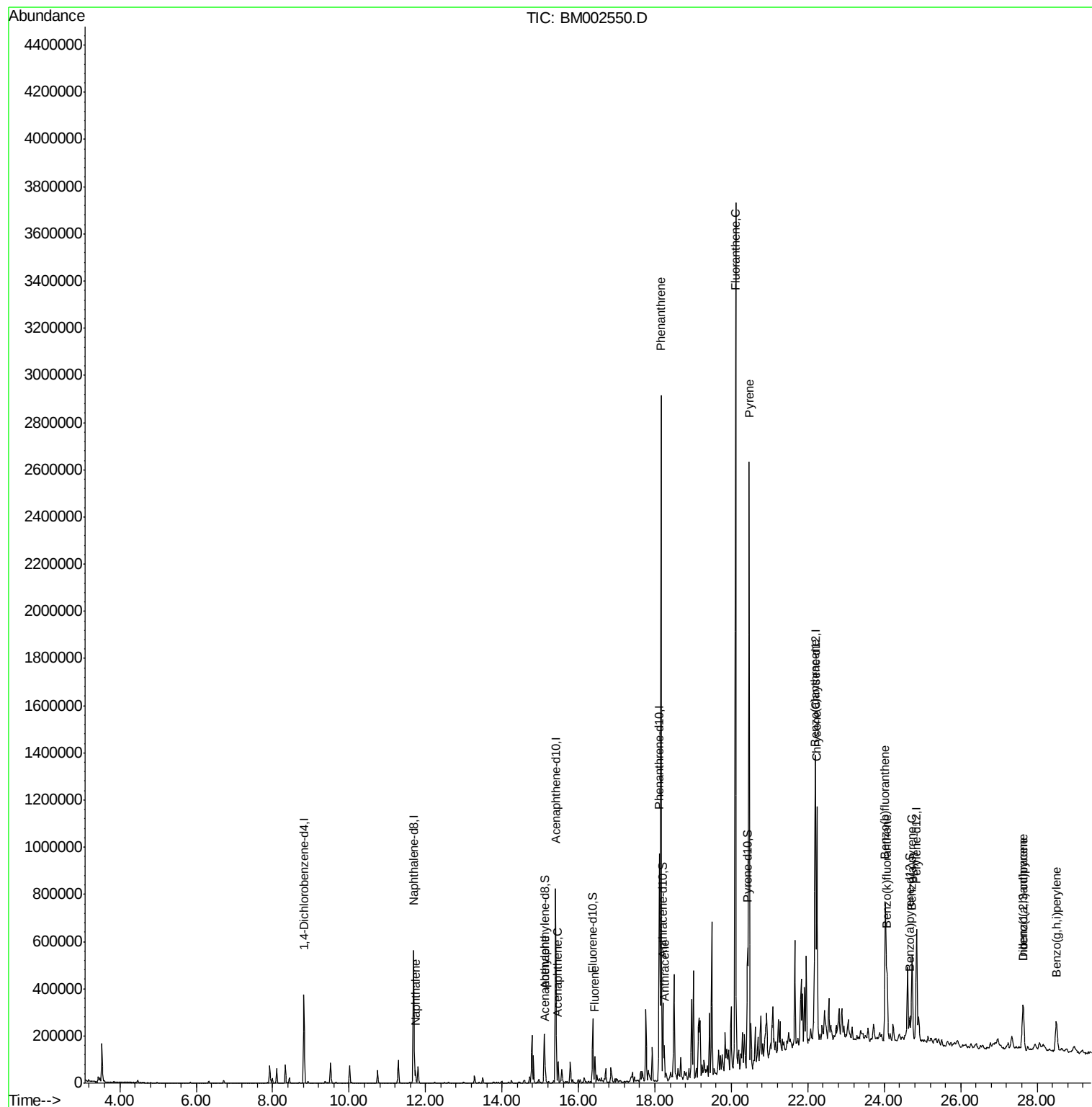
Data Path : Z:\HPCHEM1\BNA_M\Data\BM082415\
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ALS Vial : 3 Sample Multiplier: 1

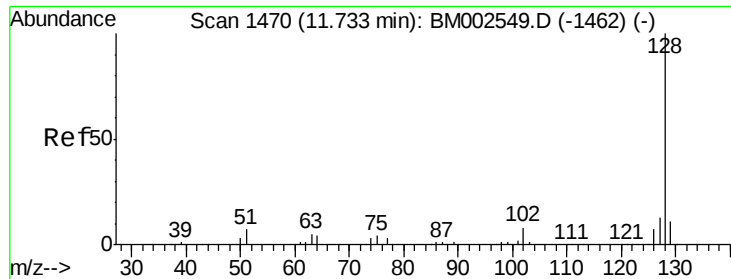
Instrument :
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Quant Time: Aug 24 17:55:11 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#3

Naphthalene

Concen: 1.77 ng/ul

RT: 11.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Instrument :

BNA_M

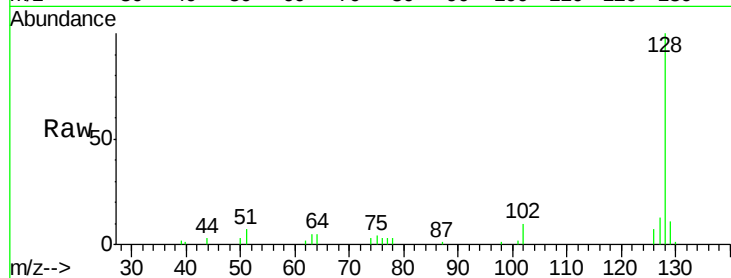
ClientSampleId :

D9DX4DL

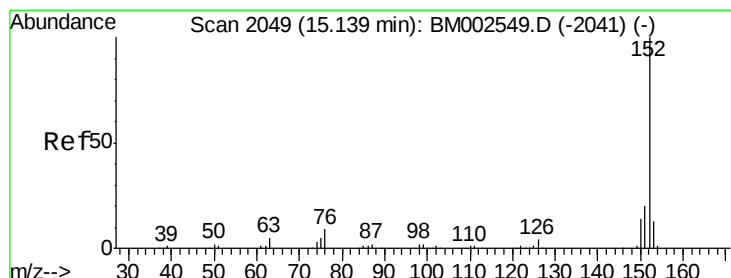
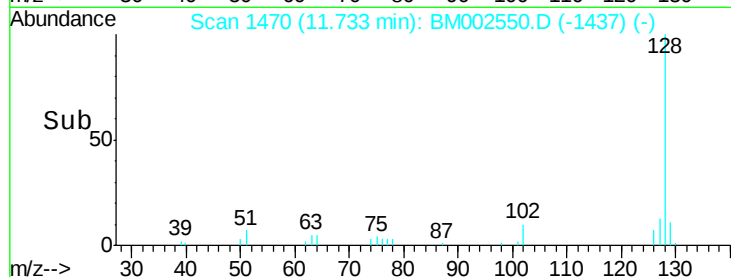
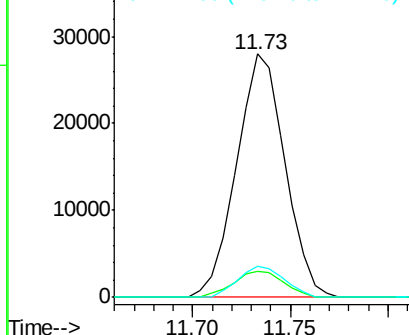
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Tgt Ion:	128	Resp:	48153
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	12.8
127	12.6	10.4	15.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#8

Acenaphthylene

Concen: 1.56 ng/ul

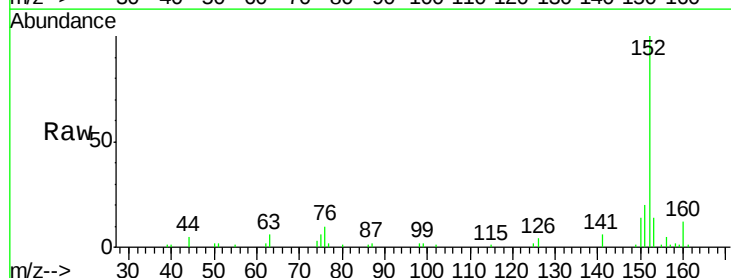
RT: 15.13 min Scan# 2048

Delta R.T. -0.01 min

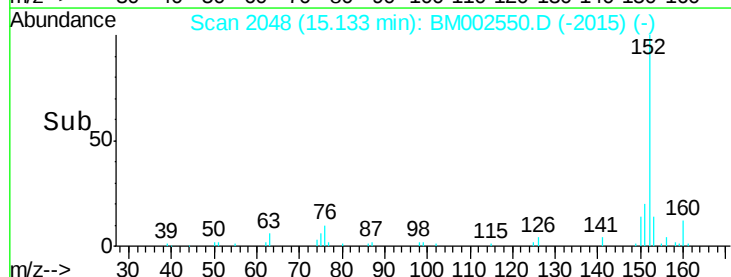
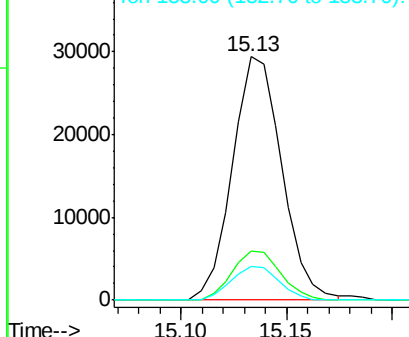
Lab File: BM002550.D

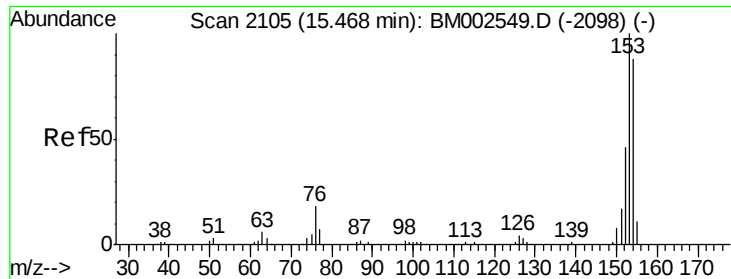
Acq: 24 Aug 2015 10:16

Tgt Ion:	152	Resp:	47671
Ion Ratio	Lower	Upper	
152	100		
151	20.4	15.7	23.5
153	13.9	10.2	15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.89 ng/ul

RT: 15.47 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Instrument :

BNA_M

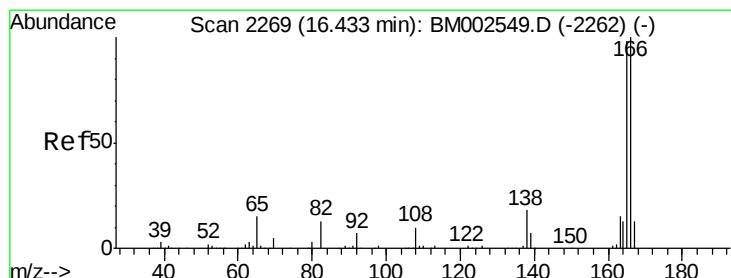
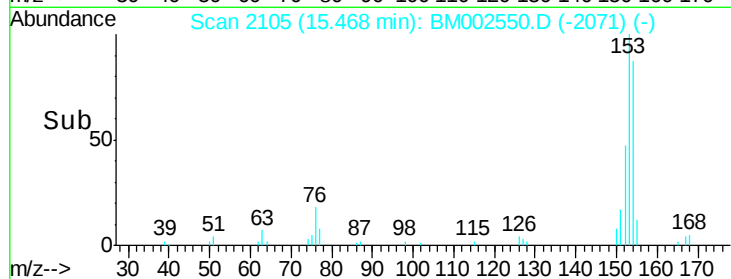
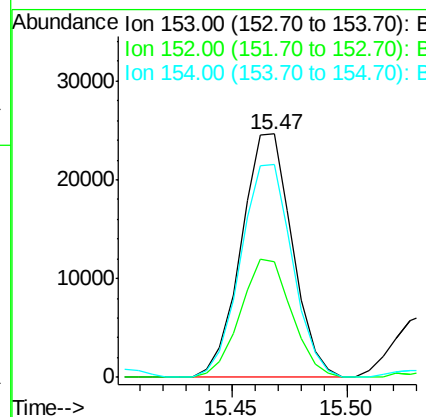
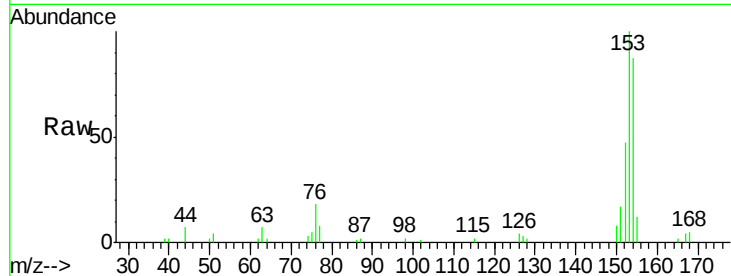
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Tgt Ion:	153	Resp:	37961
Ion Ratio	Lower	Upper	
153	100		
152	47.3	36.9	55.3
154	87.2	71.3	106.9



#11

Fluorene

Concen: 2.30 ng/ul

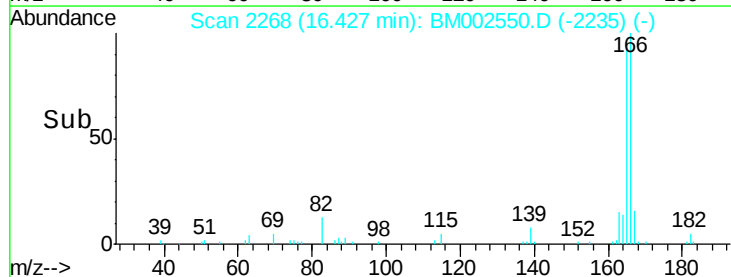
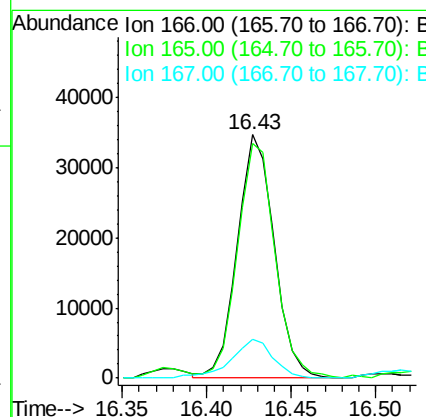
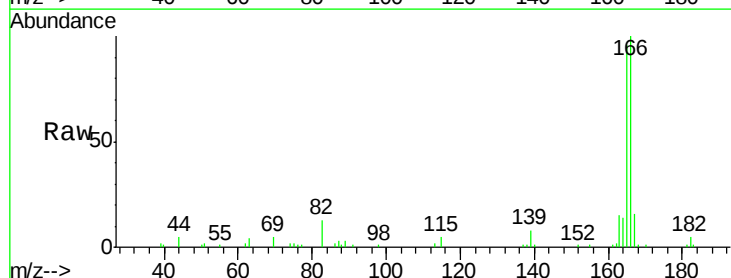
RT: 16.43 min Scan# 2268

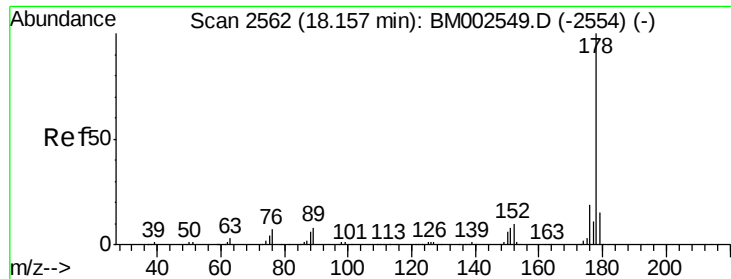
Delta R.T. -0.01 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Tgt Ion:	166	Resp:	52787
Ion Ratio	Lower	Upper	
166	100		
165	96.3	77.6	116.4
167	16.0	10.7	16.1





#13

Phenanthrene

Concen: 52.25 ng/ul

RT: 18.16 min Scan# 2562

Delta R.T. -0.00 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Instrument :

BNA_M

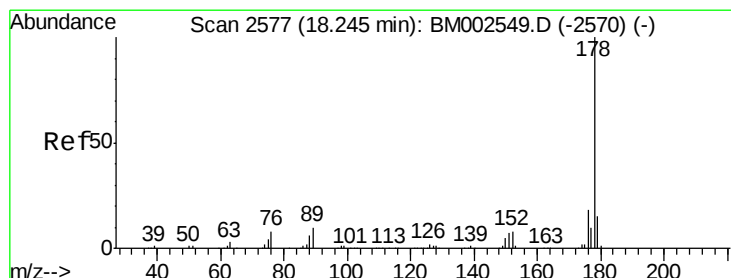
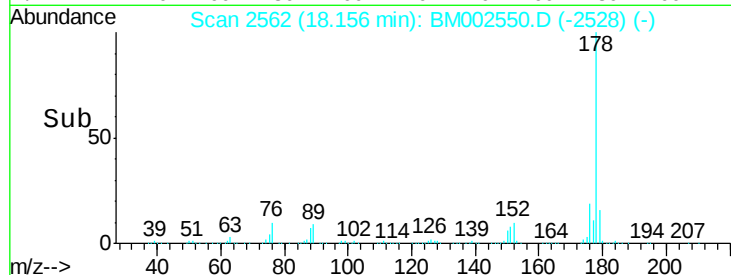
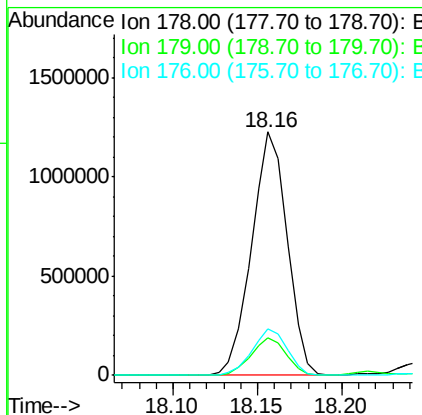
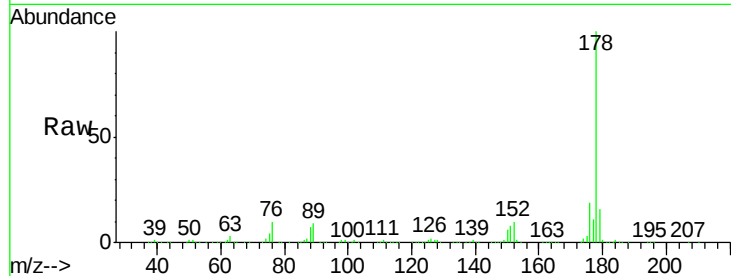
ClientSampleId :

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Tgt Ion:	178	Resp:	1801611
Ion Ratio	Lower	Upper	
178	100		
179	15.5	12.4	18.6
176	19.0	15.1	22.7

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#15

Anthracene

Concen: 2.88 ng/ul

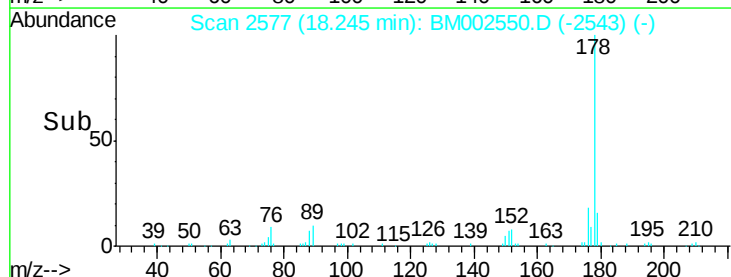
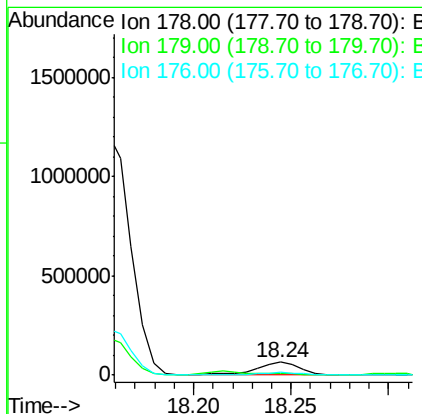
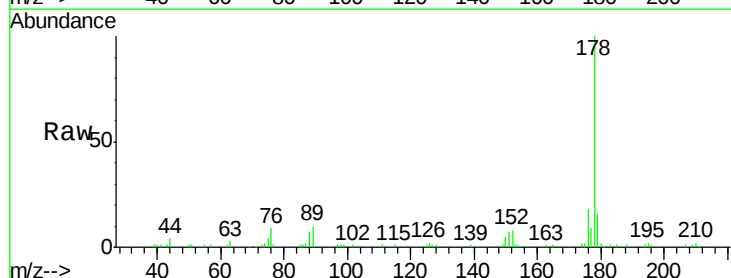
RT: 18.24 min Scan# 2577

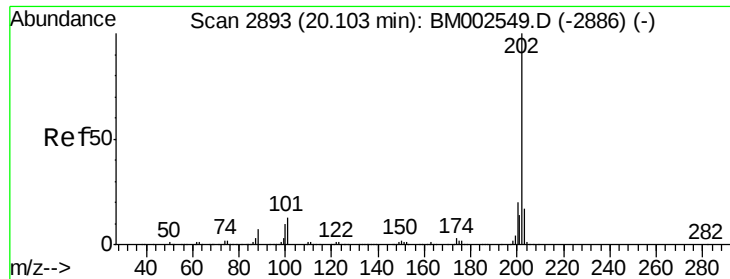
Delta R.T. -0.00 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Tgt Ion:	178	Resp:	100617
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.6	18.8
176	18.3	14.5	21.7





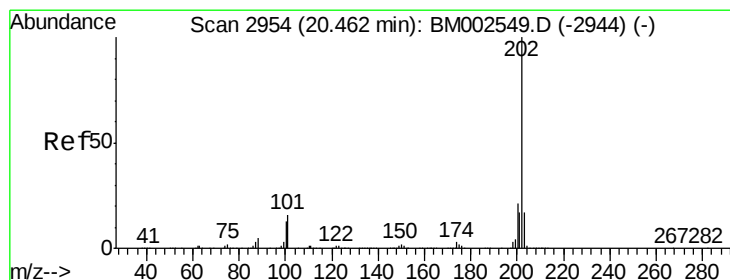
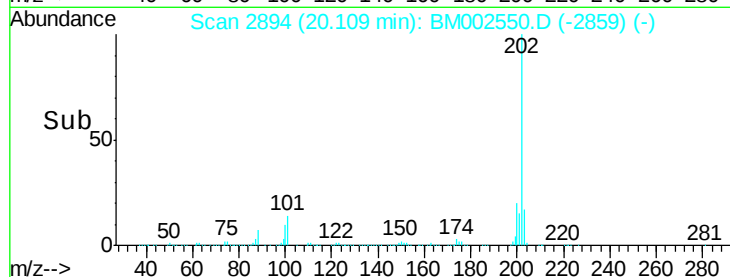
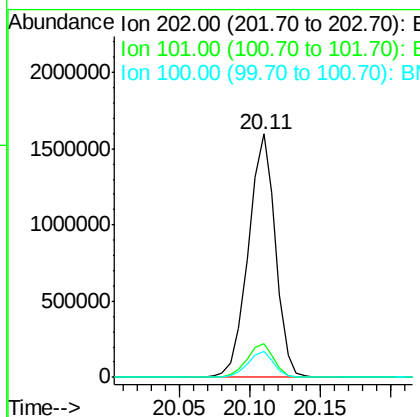
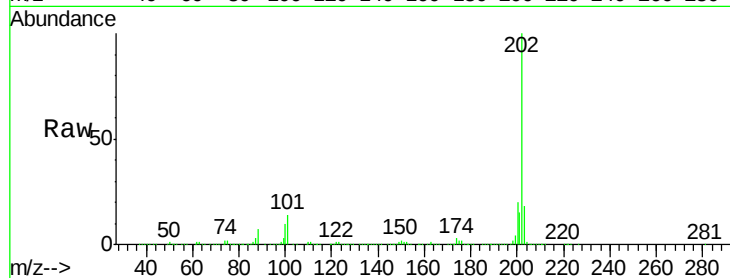
#16
Fluoranthene
 Concen: 54.80 ng/ul
 RT: 20.11 min Scan# 2894
 Delta R.T. 0.01 min
 Lab File: BM002550.D
 Acq: 24 Aug 2015 10:16

Instrument :
 BNA_M
 ClientSampleId :
 D9DX4DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.5	7.4	11.2

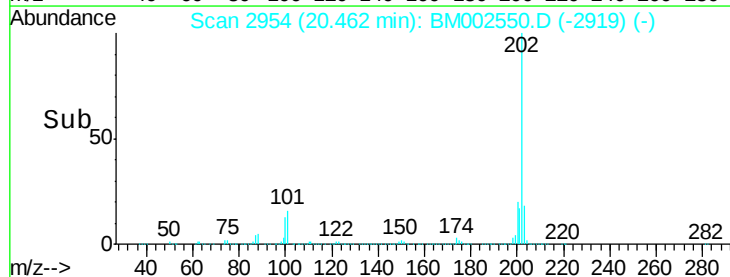
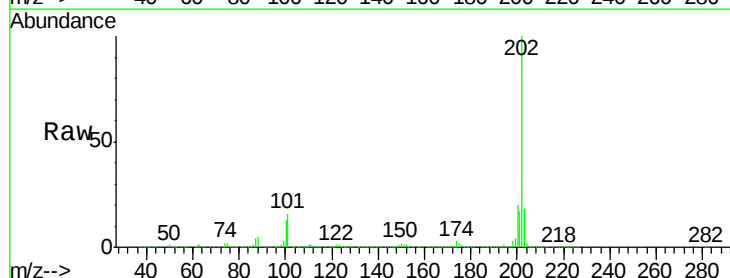
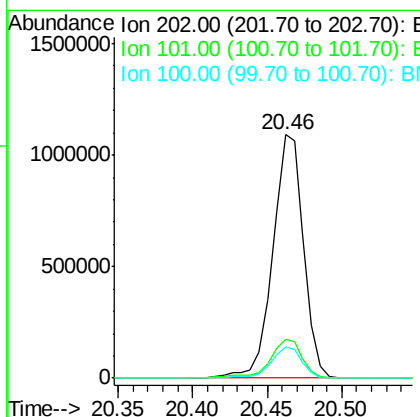
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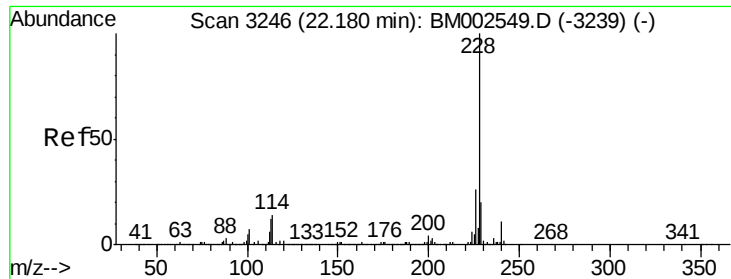
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#19
Pyrene
 Concen: 54.42 ng/ul
 RT: 20.46 min Scan# 2954
 Delta R.T. 0.01 min
 Lab File: BM002550.D
 Acq: 24 Aug 2015 10:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.1	12.0	18.0
100	13.0	9.7	14.5





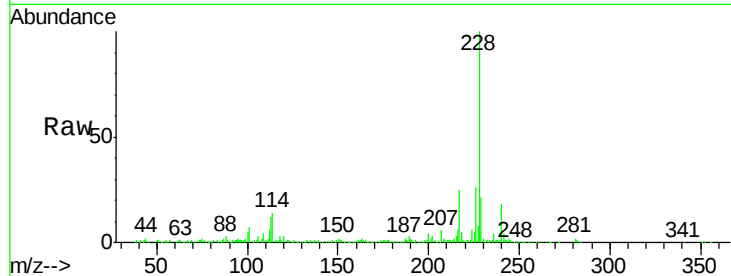
#20
Benzo(a)anthracene
Concen: 12.64 ng/ul
RT: 22.18 min Scan# 3246
Delta R.T. 0.01 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Instrument :
BNA_M
ClientSampleId :
D9DX4DL

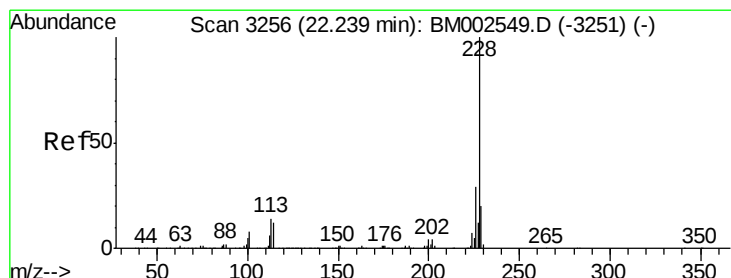
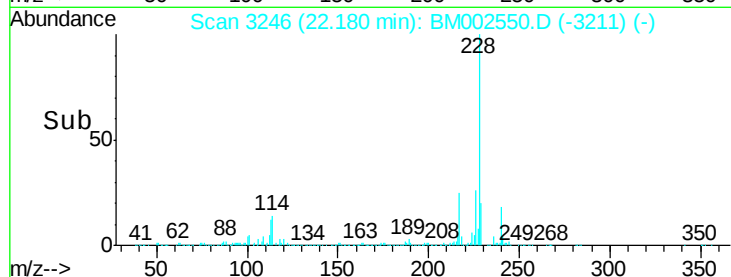
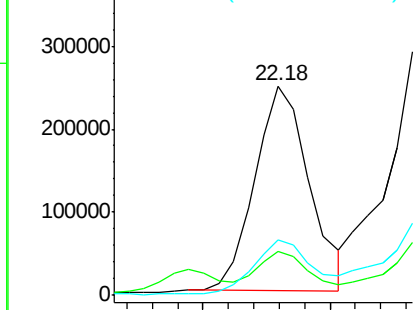
Tgt Ion	Ratio	Resp	Lower	Upper
228	100	370824		
229	20.9	15.8	23.6	
226	26.5	21.1	31.7	

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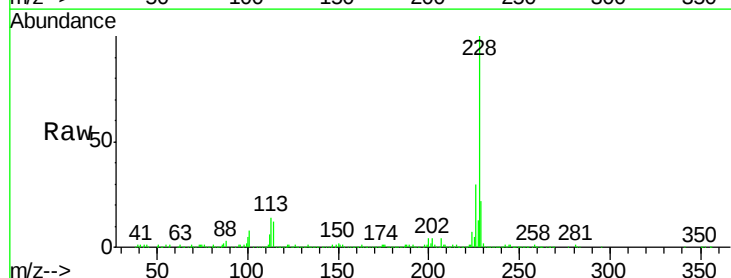


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

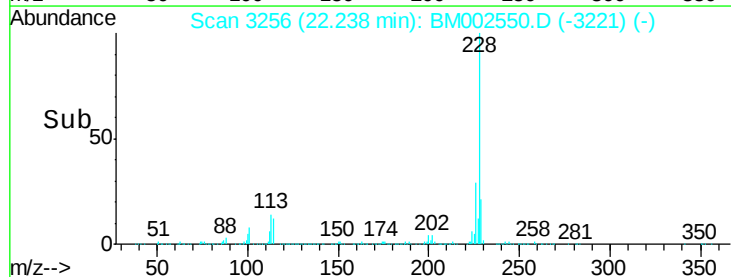
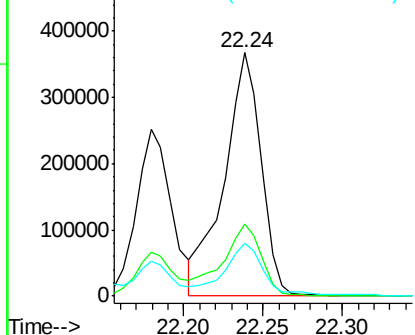


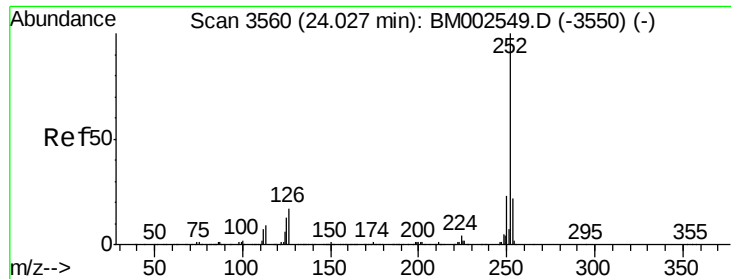
#21
Chrysene
Concen: 21.54 ng/ul
RT: 22.24 min Scan# 3256
Delta R.T. 0.01 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	591248		
226	29.6	23.4	35.2	
229	21.7	15.7	23.5	



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





#23

Benzo(b)fluoranthene

Concen: 24.68 ng/ul

RT: 24.03 min Scan# 3560

Delta R.T. 0.01 min

Lab File: BM002550.D

Acq: 24 Aug 2015 10:16

Instrument :

BNA_M

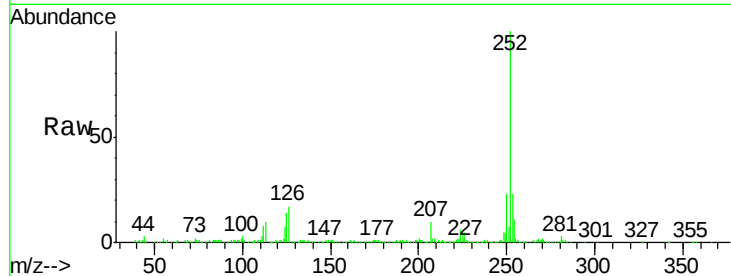
ClientSampleId :

D9DX4DL

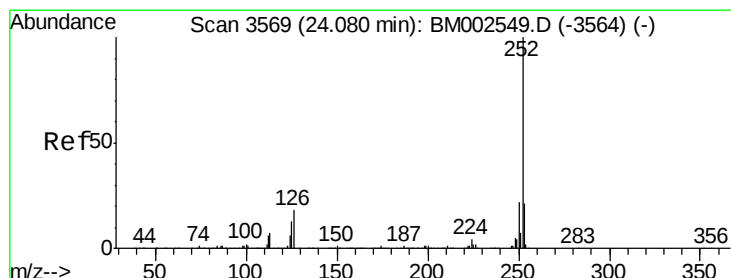
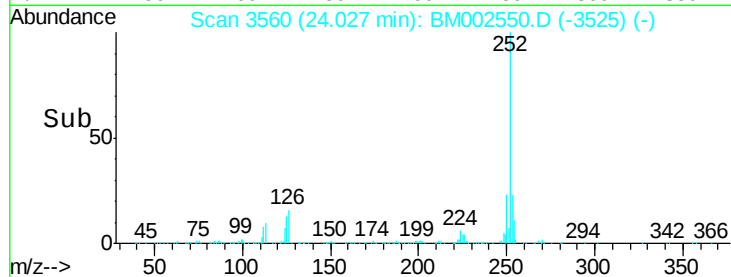
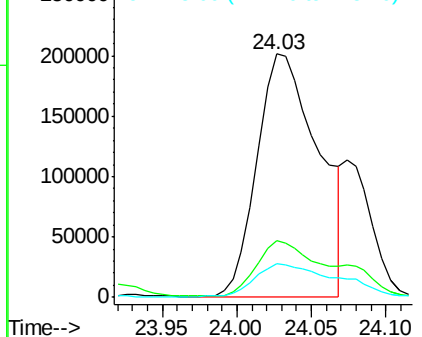
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	13.8	10.0	15.0



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



#24

Benzo(k)fluoranthene

Concen: 6.89 ng/ul m

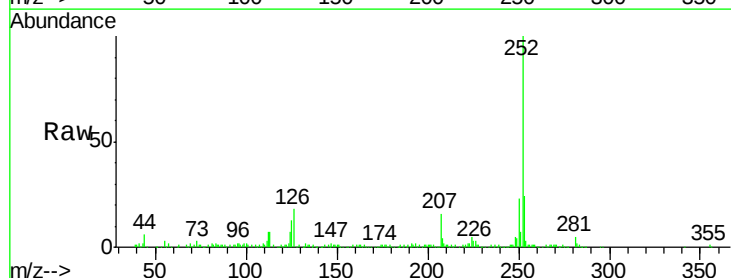
RT: 24.07 min Scan# 3568

Delta R.T. -0.00 min

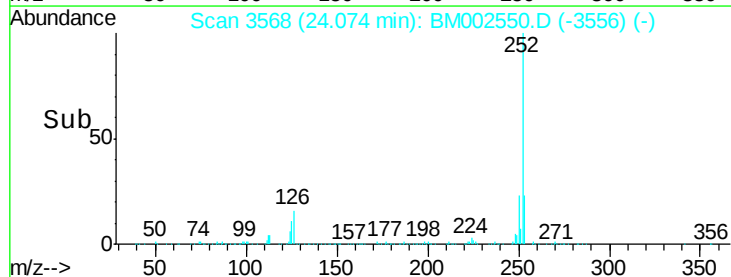
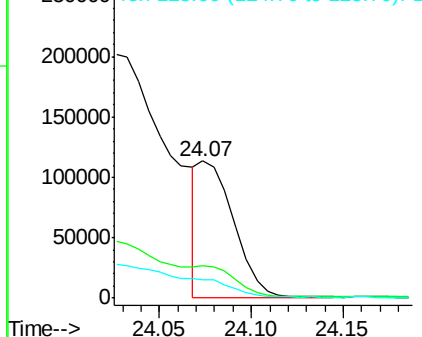
Lab File: BM002550.D

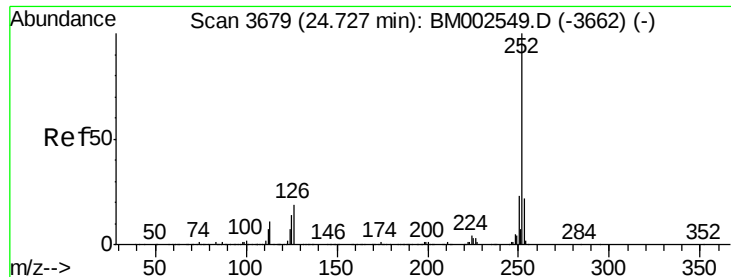
Acq: 24 Aug 2015 10:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	13.4	9.8	14.8



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





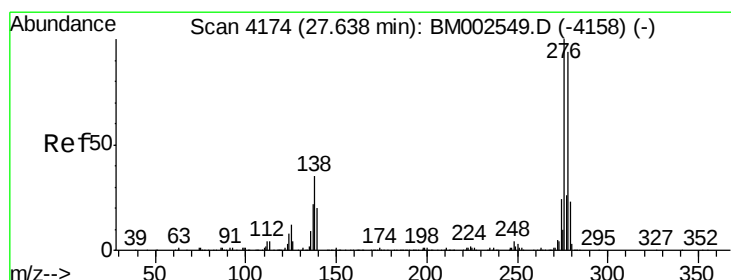
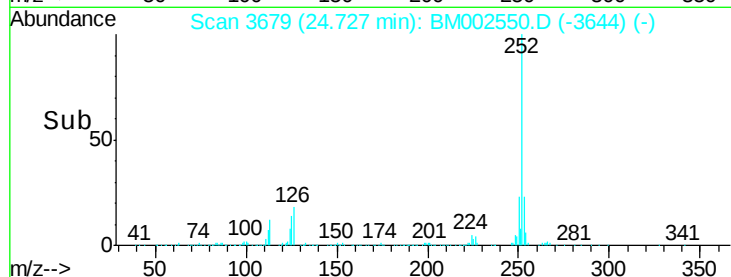
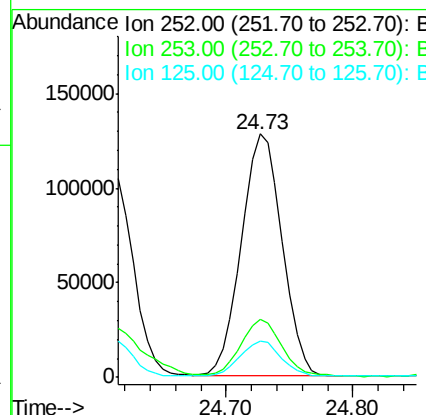
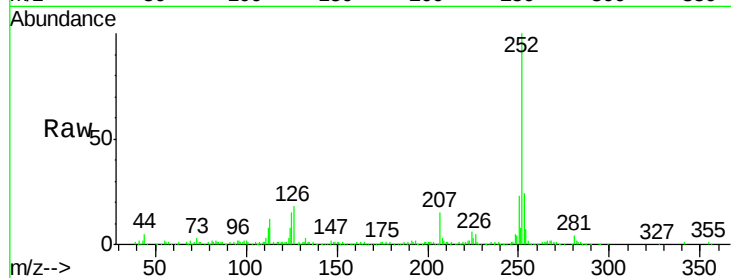
#26
Benzo(a)pyrene
Concen: 12.90 ng/u1
RT: 24.73 min Scan# 3679
Delta R.T. 0.01 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Instrument :
BNA_M
ClientSampleId :
D9DX4DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.6	17.6	26.4
125	15.0	10.7	16.1

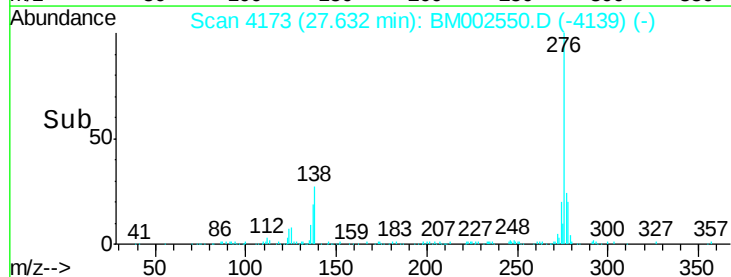
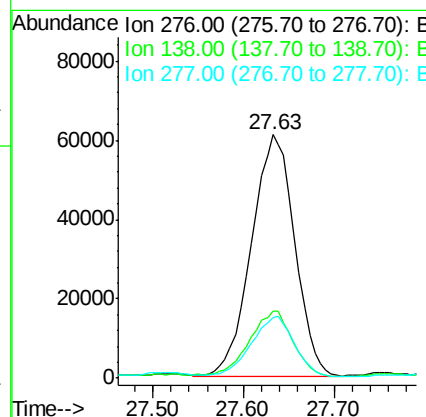
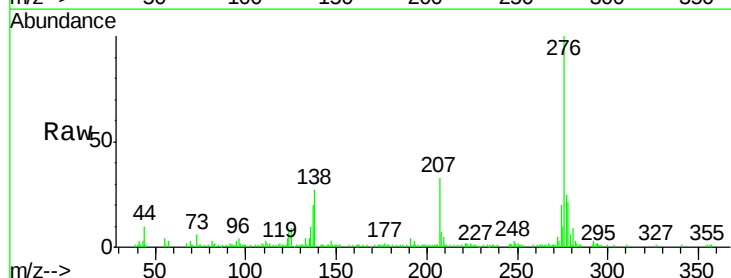
Manual Integrations
APPROVED

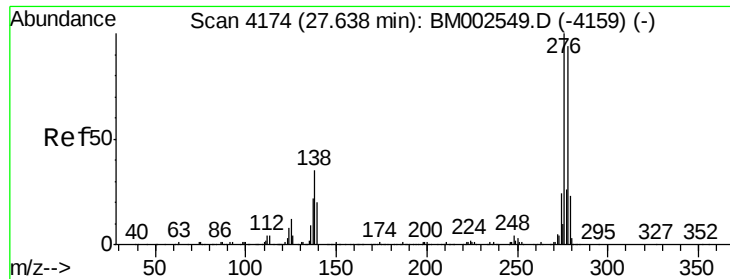
MMDadoda
8/24/2015 7:15:30 PM



#27
Indeno(1,2,3-cd)pyrene
Concen: 7.91 ng/u1
RT: 27.63 min Scan# 4173
Delta R.T. -0.00 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.4	25.3	37.9
277	24.8	20.2	30.2





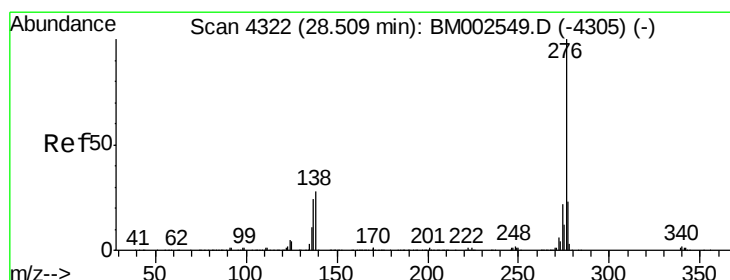
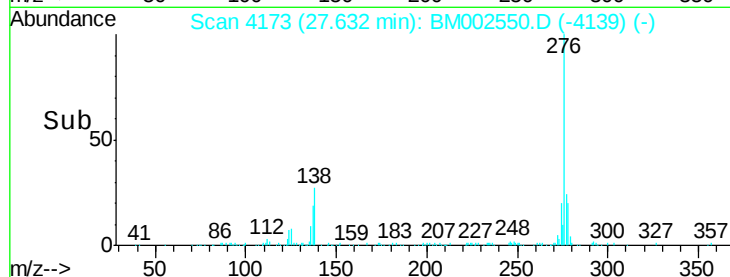
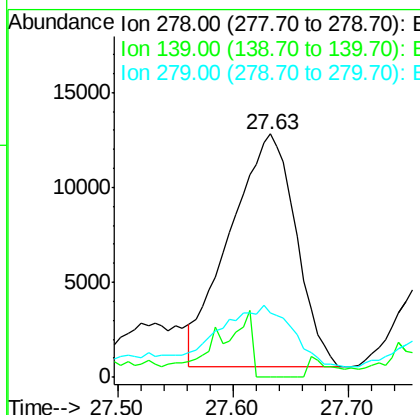
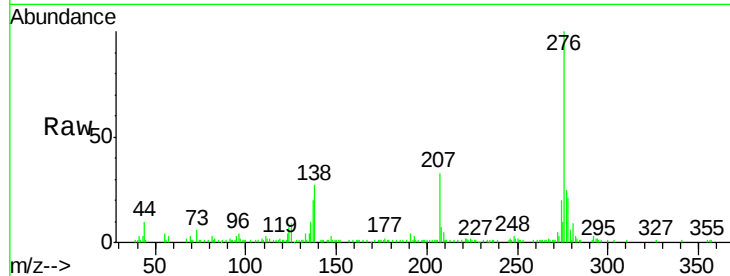
#28
Dibenzo(a,h)anthracene
Concen: 2.28 ng/ul
RT: 27.63 min Scan# 4173
Delta R.T. -0.00 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Instrument :
BNA_M
ClientSampleId :
D9DX4DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.5	24.7#
279	26.7	18.8	28.2

Manual Integrations
APPROVED

MMDadoda
8/24/2015 7:15:30 PM



#29
Benzo(g,h,i)perylene
Concen: 7.93 ng/ul
RT: 28.51 min Scan# 4322
Delta R.T. 0.01 min
Lab File: BM002550.D
Acq: 24 Aug 2015 10:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.7	21.0	31.6
277	23.2	19.2	28.8

