

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
 Data File : BM002458.D
 Acq On : 17 Aug 2015 19:17
 Operator : UM/IZ
 Sample : G3227-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DC8

Manual Integrations
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 8/18/2015 5:16:02 PM

Quant Time: Aug 18 02:43:50 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 01:54:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	147630	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	668726	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	342003	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	643378	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	428854	20.00	ng/ul	0.00
22) Perylene-d12	24.92	264	417908	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	704557	20.15	ng/ul	0.00
10) Fluorene-d10	16.43	176	475566	19.36	ng/ul	0.00
14) Anthracene-d10	18.26	188	634211	20.44	ng/ul	0.00
18) Pyrene-d10	20.48	212	509713	26.81	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.74	264	424610	19.34	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	11.80	128	214476	6.28	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	82005	3.21	ng/ul	95
5) 1-Methylnaphthalene	13.55	142	63200	2.50	ng/ul	100
8) Acenaphthylene	15.19	152	37475	1.02	ng/ul	97
9) Acenaphthene	15.52	153	185572	7.70	ng/ul	98
11) Fluorene	16.48	166	203116	7.35	ng/ul	98
13) Phenanthrene	18.21	178	2415253	65.01	ng/ul	100
15) Anthracene	18.30	178	549139	14.58	ng/ul	99
16) Fluoranthene	20.15	202	2274058	54.07	ng/ul	97
19) Pyrene	20.51	202	1684235	67.04	ng/ul	100
20) Benzo(a)anthracene	22.23	228	705908	27.53	ng/ul	99
21) Chrysene	22.29	228	693672	28.92	ng/ul	97
23) Benzo(b)fluoranthene	24.09	252	905156	35.83	ng/ul	97
24) Benzo(k)fluoranthene	24.14	252	285896m	11.94	ng/ul	
26) Benzo(a)pyrene	24.80	252	593237	24.58	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.76	276	464053	16.72	ng/ul	94
28) Dibenzo(a,h)anthracene	27.75	278	116536	5.02	ng/ul#	74
29) Benzo(g,h,i)perylene	28.64	276	419699	18.17	ng/ul	100

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

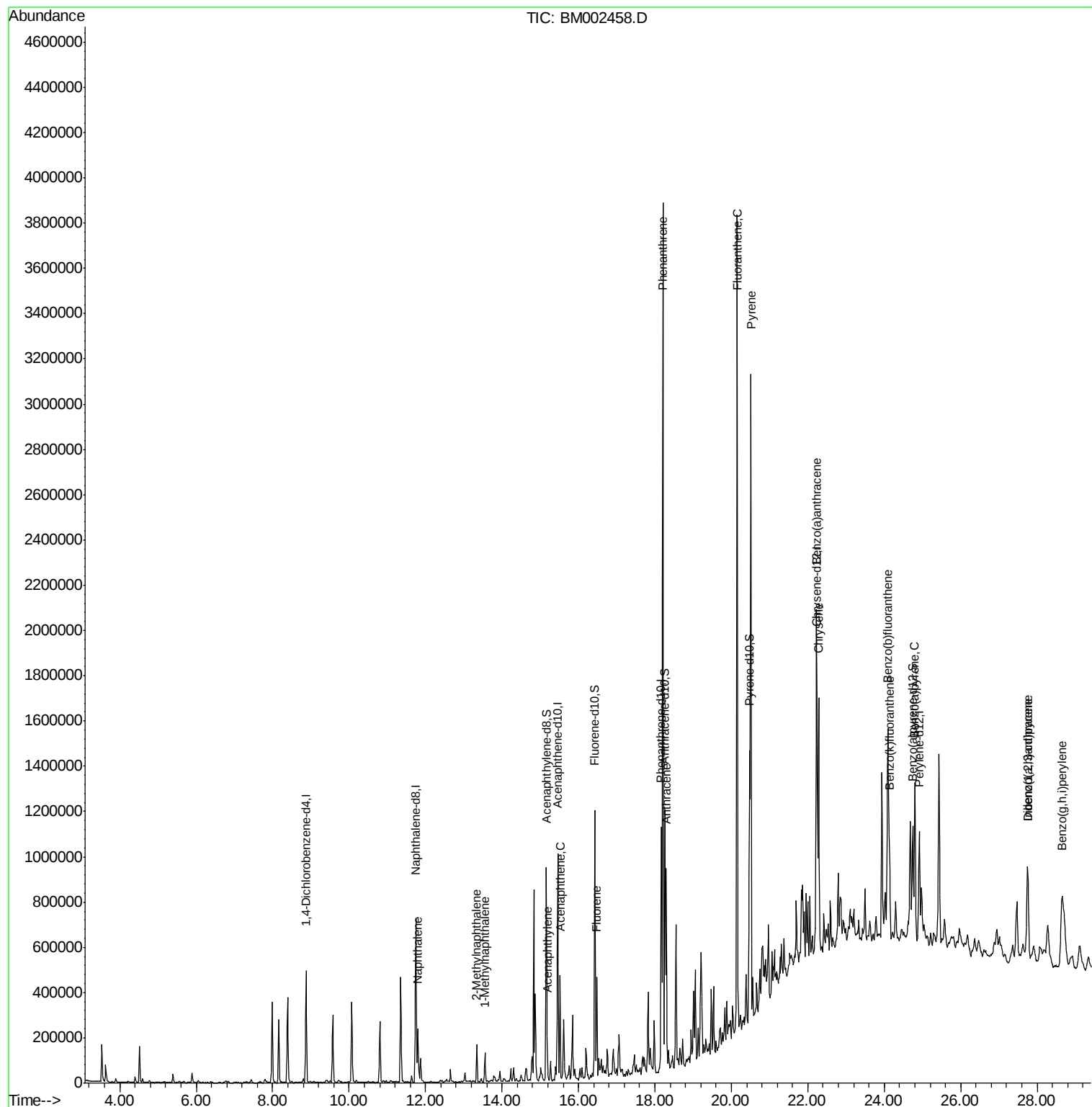
Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081715\
Data File : BM002458.D
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ALS Vial : 16 Sample Multiplier: 1

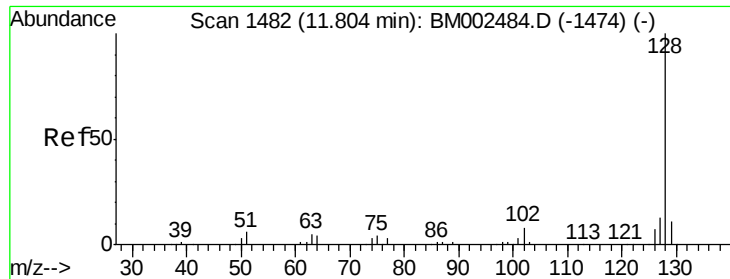
Instrument :
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ClientSampleId :
D9DC8

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Quant Time: Aug 18 02:43:50 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 18 01:54:16 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 6.28 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002458.D

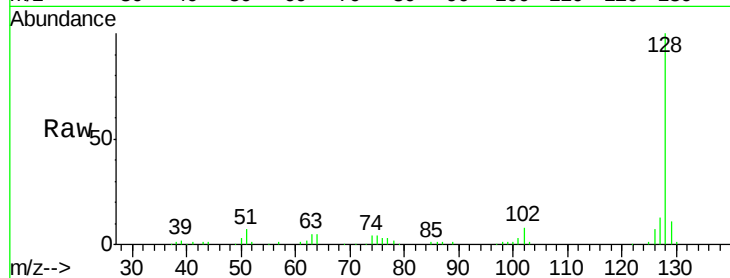
Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

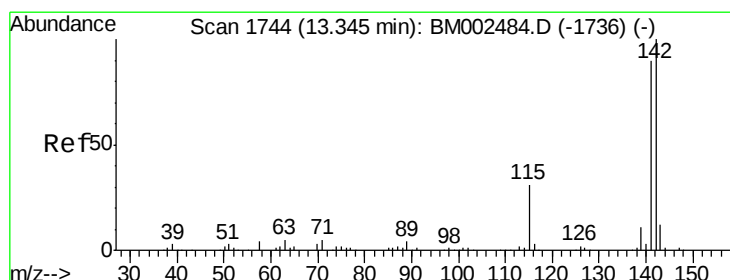
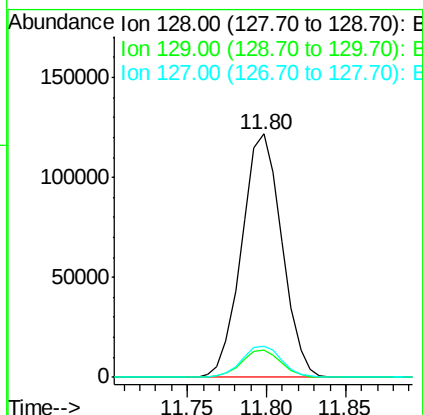
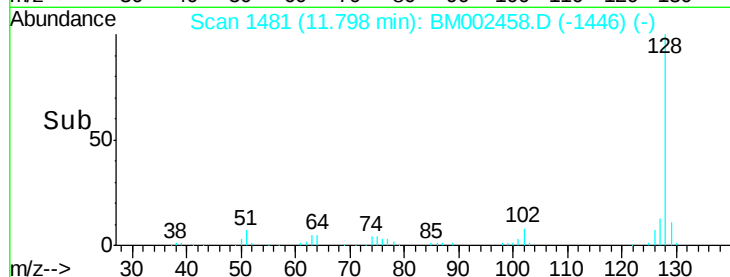
D9DC8



Tgt Ion:	128	Resp:	214476
Ion Ratio	Lower	Upper	
128	100		
129	11.4	8.6	12.8
127	13.0	10.4	15.6

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#4

2-Methylnaphthalene

Concen: 3.21 ng/ul

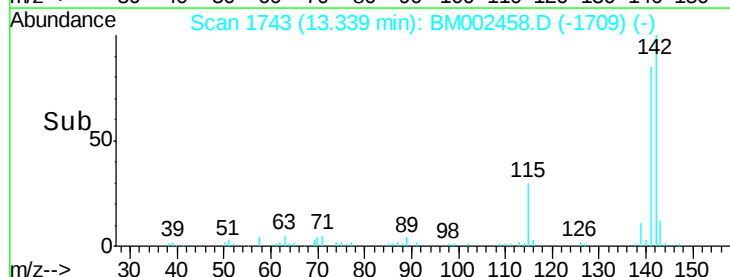
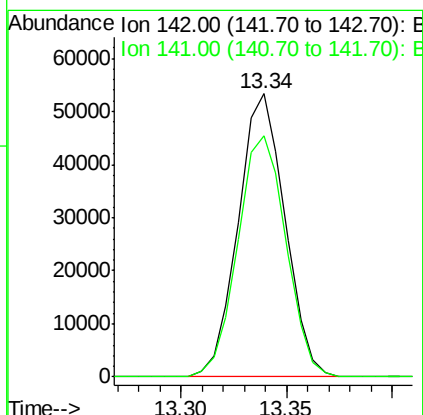
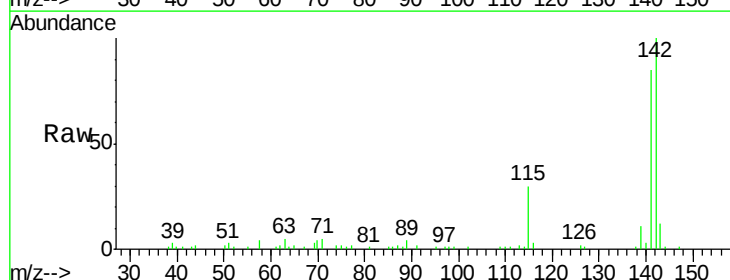
RT: 13.34 min Scan# 1743

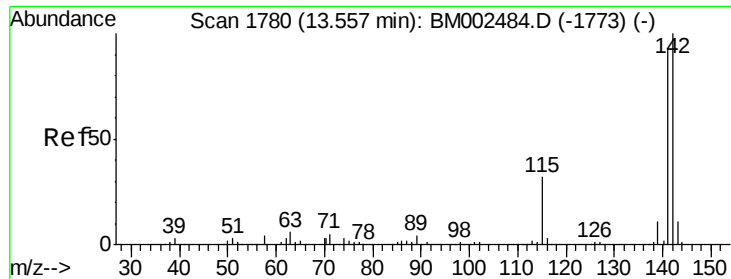
Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Tgt Ion:	142	Resp:	82005
Ion Ratio	Lower	Upper	
142	100		
141	85.2	72.2	108.2





#5

1-Methylnaphthalene

Concen: 2.50 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BM002458.D

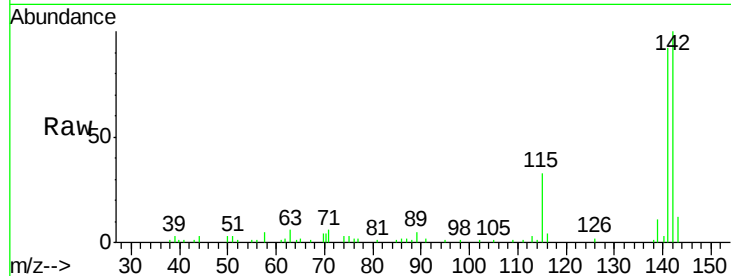
Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

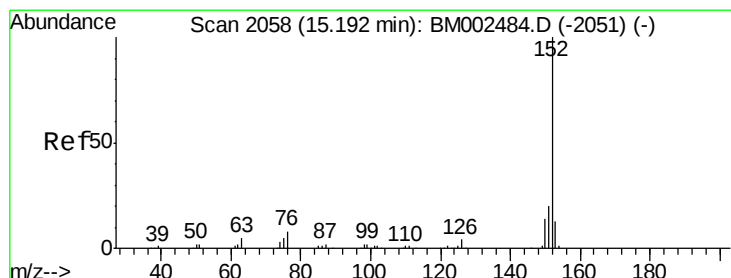
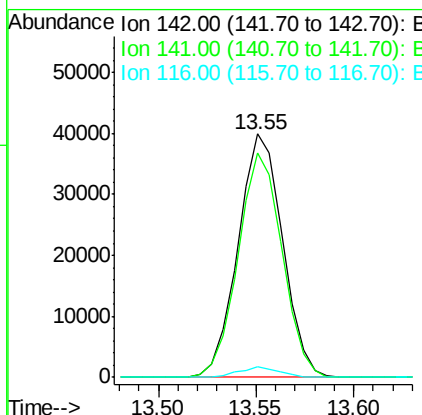
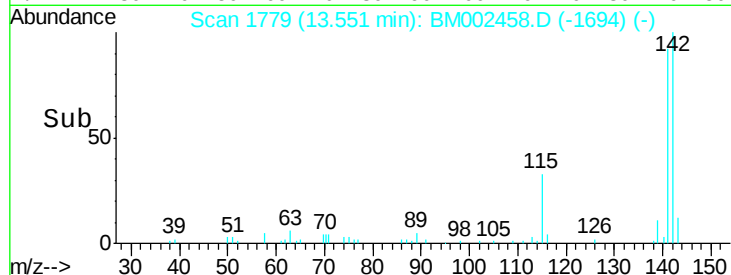
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Tgt Ion:	142	Resp:	63200
Ion Ratio	Lower	Upper	
142	100		
141	92.2	73.9	110.9
116	4.2	3.0	4.4

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#8

Acenaphthylene

Concen: 1.02 ng/ul

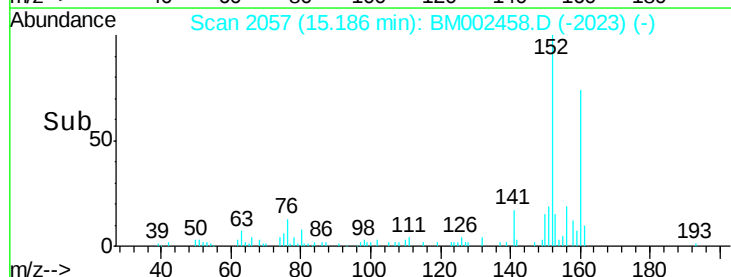
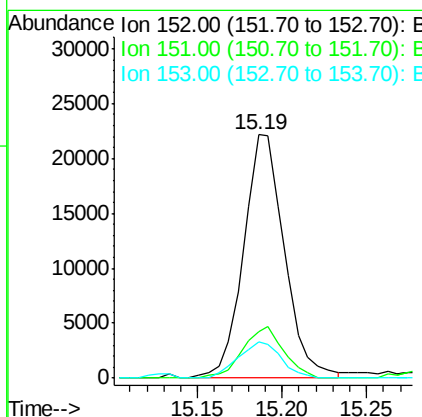
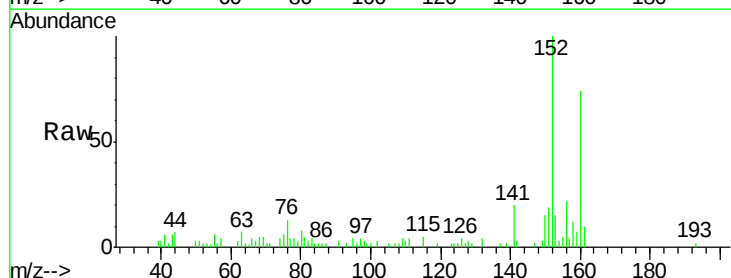
RT: 15.19 min Scan# 2057

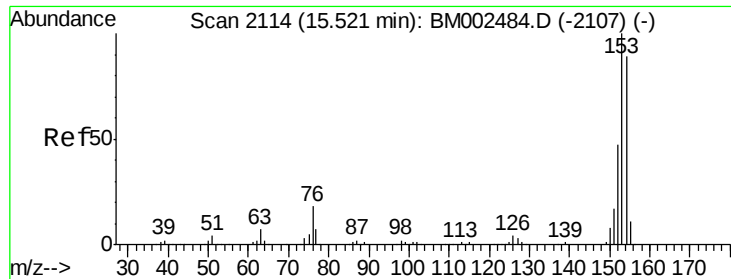
Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Tgt Ion:	152	Resp:	37475
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.7	23.5
153	14.9	10.2	15.4





#9

Acenaphthene

Concen: 7.70 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BM002458.D

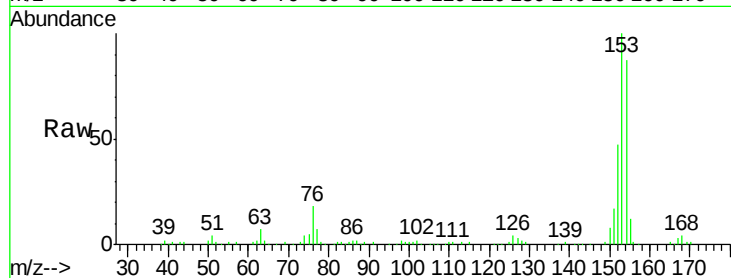
Acq: 17 Aug 2015 19:17

Instrument :

BNA_M

ClientSampleId :

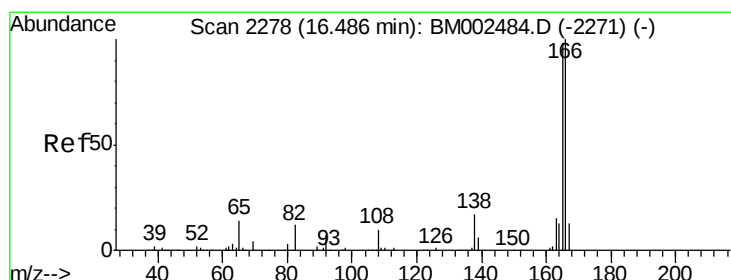
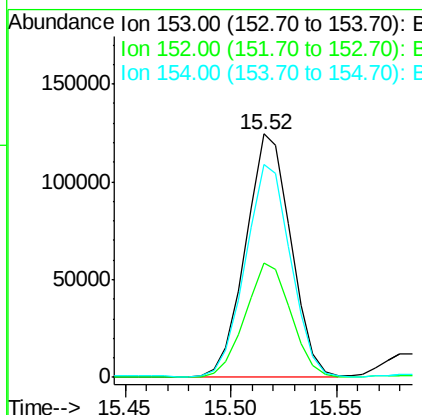
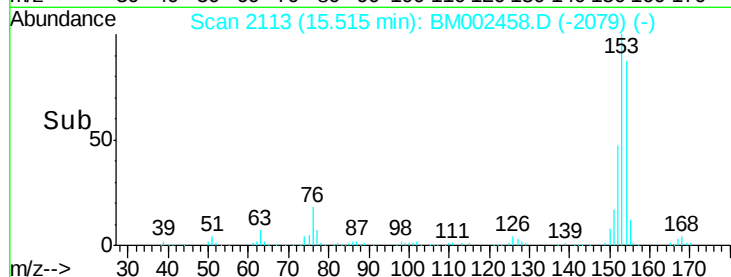
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Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.8	36.9	55.3
154	87.4	71.3	106.9

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#11

Fluorene

Concen: 7.35 ng/ul

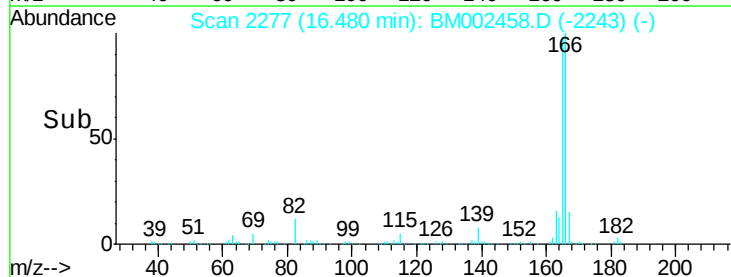
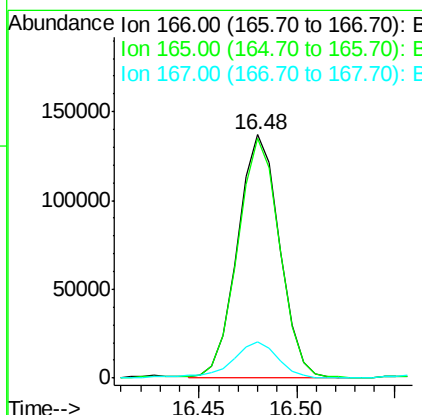
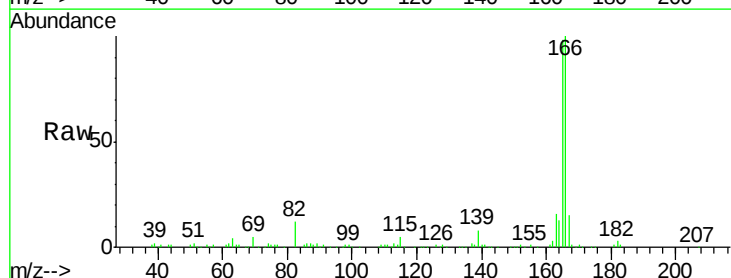
RT: 16.48 min Scan# 2277

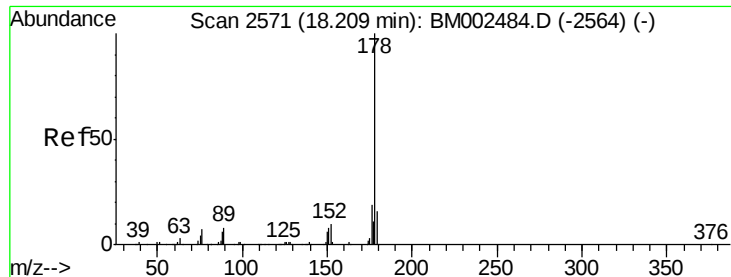
Delta R.T. 0.00 min

Lab File: BM002458.D

Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.6	116.4
167	14.9	10.7	16.1





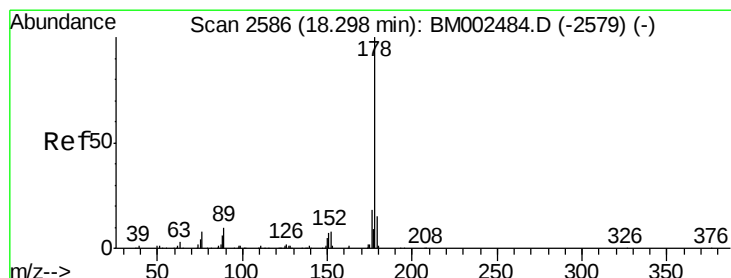
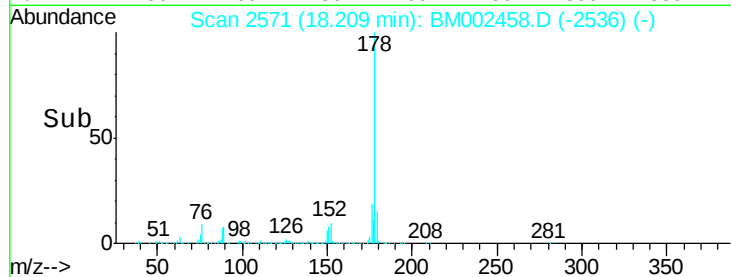
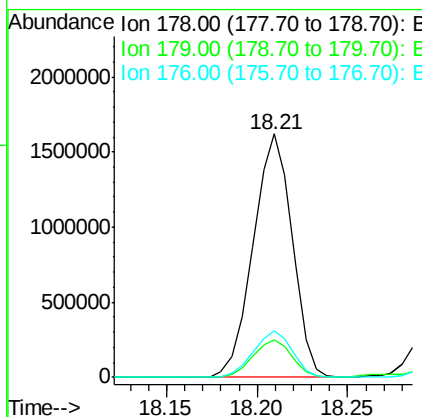
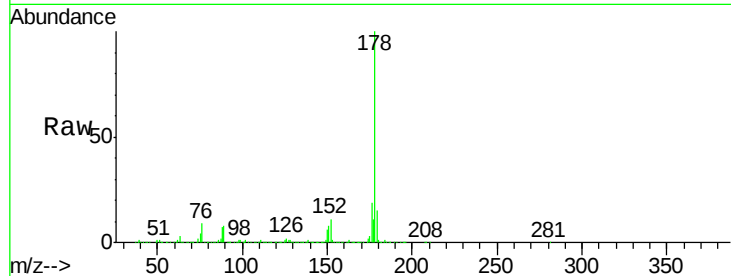
#13
Phenanthrene
Concen: 65.01 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :
D9DC8

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.1	15.1	22.7

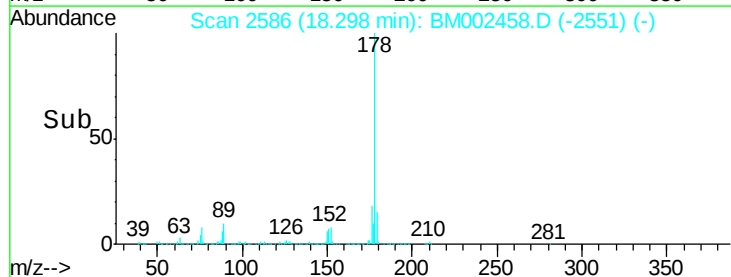
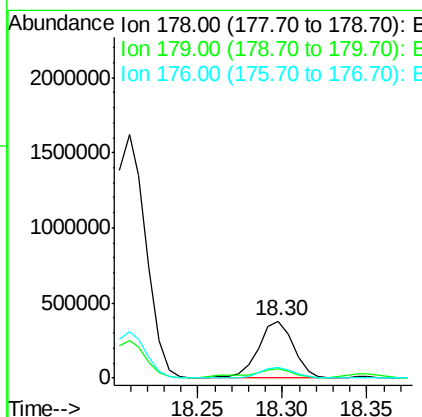
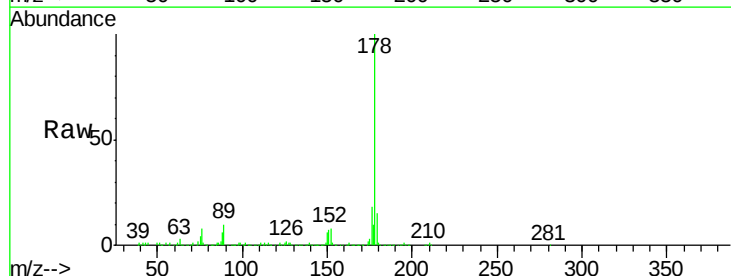
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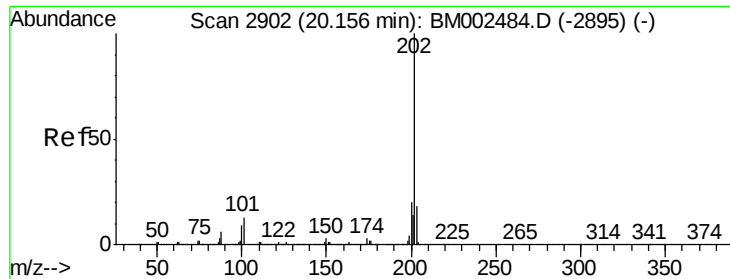
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#15
Anthracene
Concen: 14.58 ng/ul
RT: 18.30 min Scan# 2586
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	18.8
176	18.3	14.5	21.7





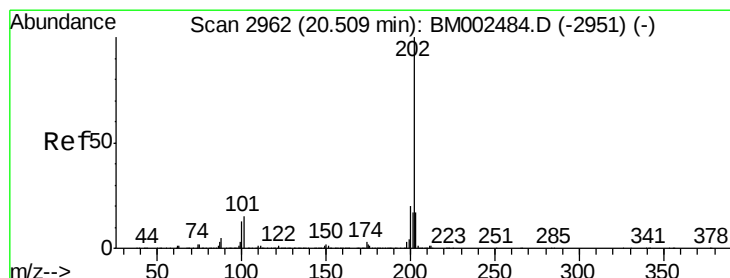
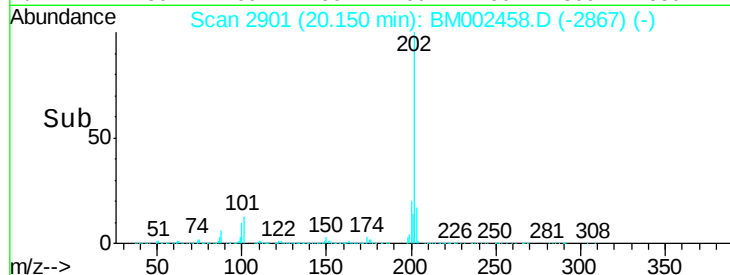
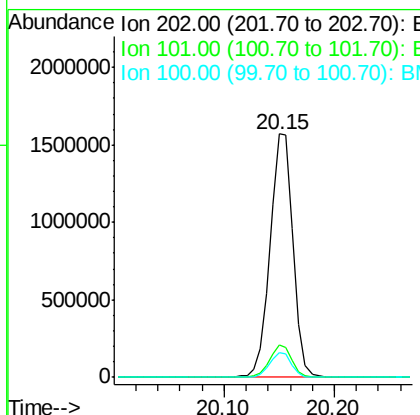
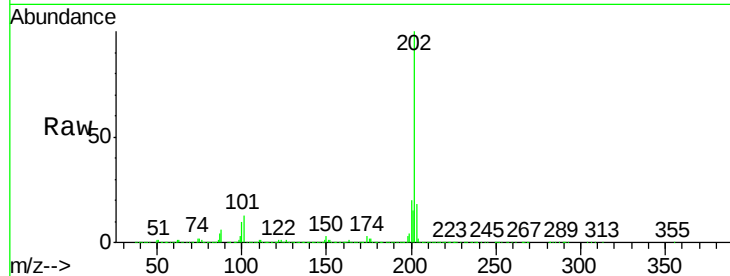
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 Fluoranthene
 Concen: 54.07 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. 0.00 min
 Lab File: BM002458.D
 Acq: 17 Aug 2015 19:17

Instrument :
 BNA_M
 ClientSampleId :
 D9DC8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.7	14.5
100	10.1	7.4	11.2

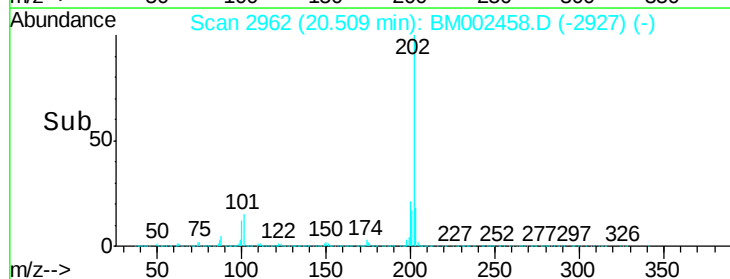
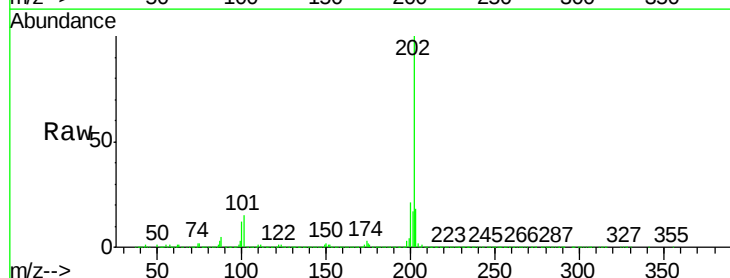
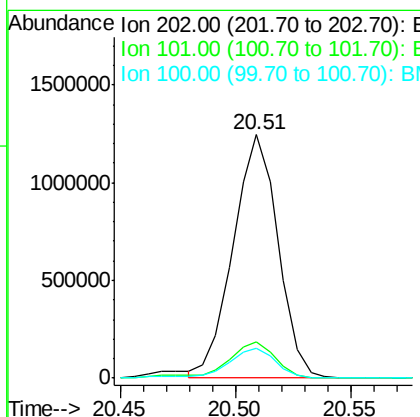
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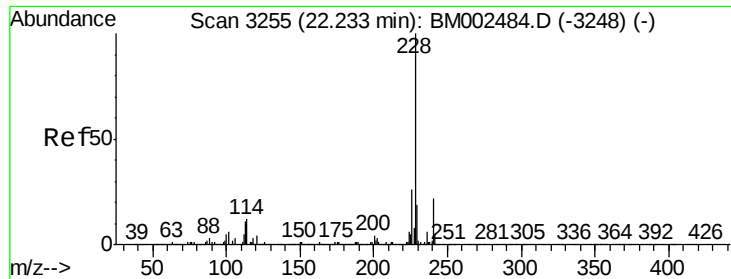
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#19
 Pyrene
 Concen: 67.04 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. 0.01 min
 Lab File: BM002458.D
 Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.0	12.0	18.0
100	12.3	9.7	14.5





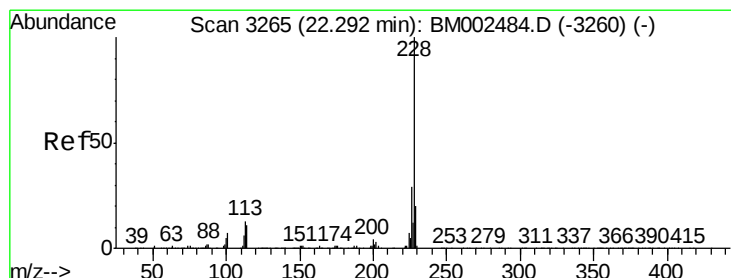
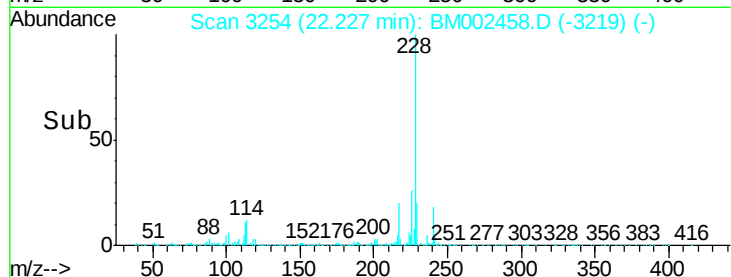
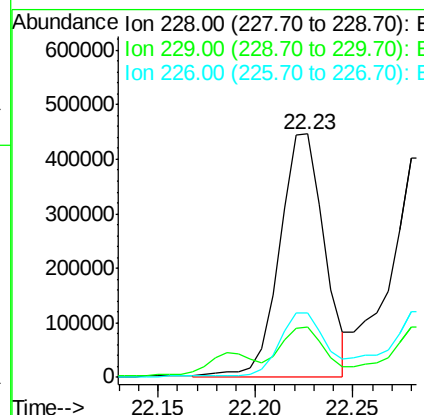
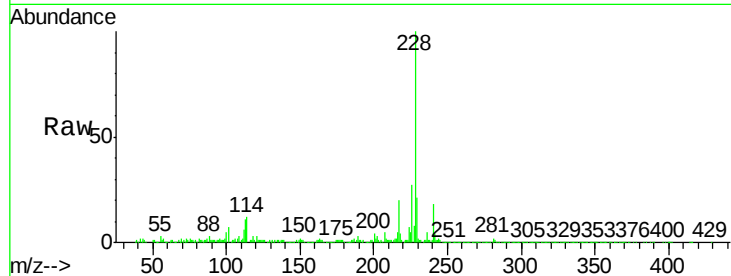
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Benzo(a)anthracene
Concen: 27.53 ng/ul
RT: 22.23 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :
D9DC8

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	705908		
229	20.8	15.8	23.6	
226	26.6	21.1	31.7	

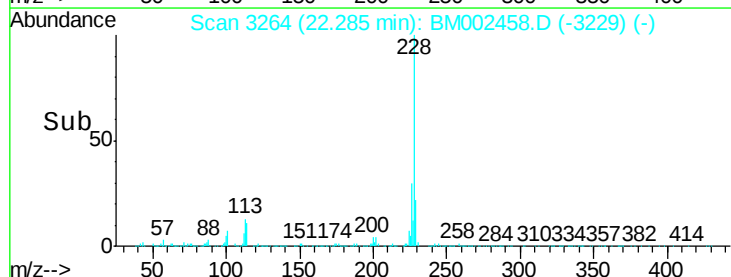
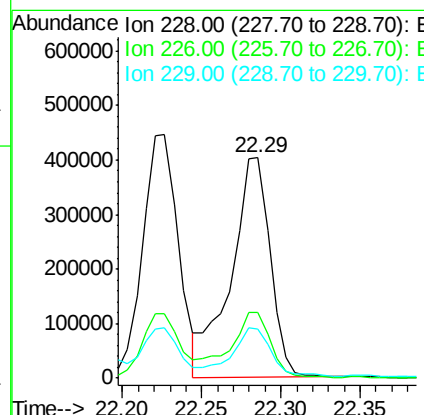
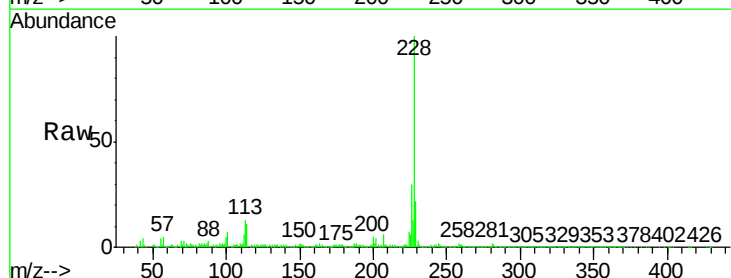
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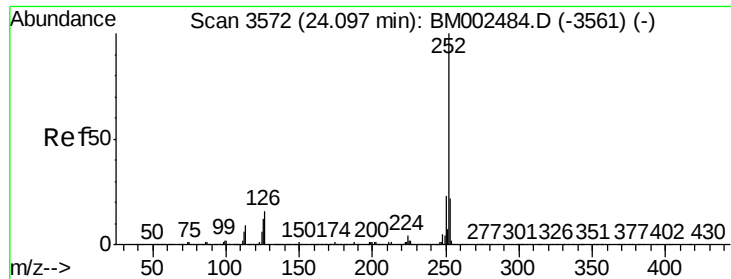
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#21
Chrysene
Concen: 28.92 ng/ul
RT: 22.29 min Scan# 3264
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	693672		
226	29.9	23.4	35.2	
229	22.4	15.7	23.5	





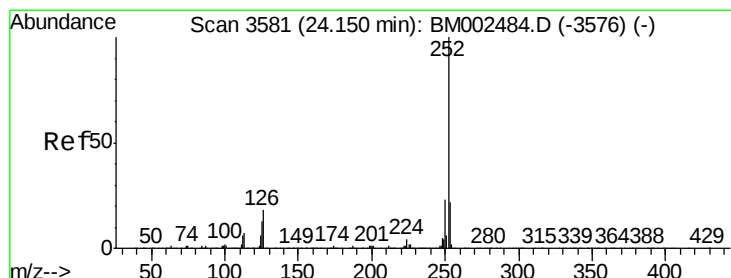
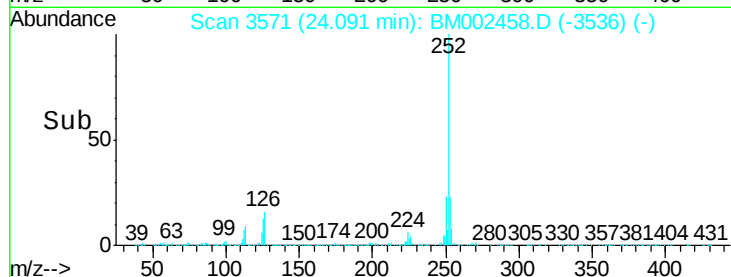
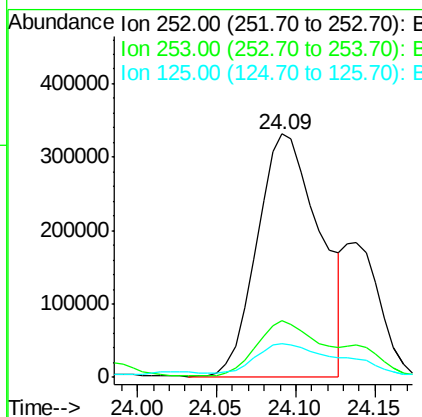
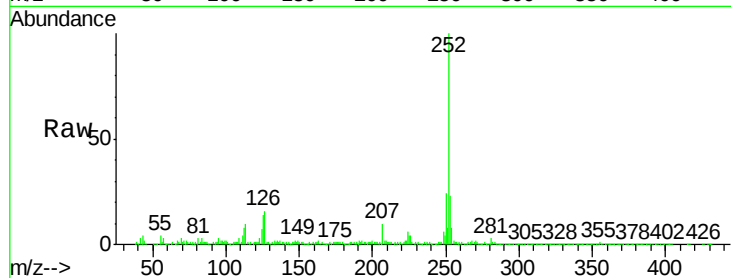
#23
Benzo(b)fluoranthene
Concen: 35.83 ng/ul
RT: 24.09 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :
D9DC8

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.4	17.4	26.0
125	13.8	10.0	15.0

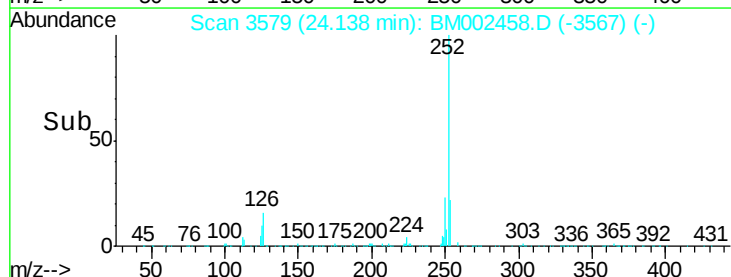
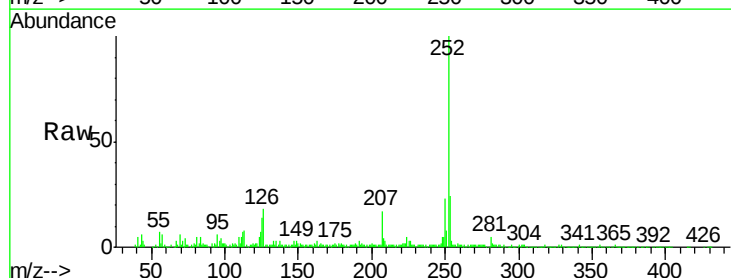
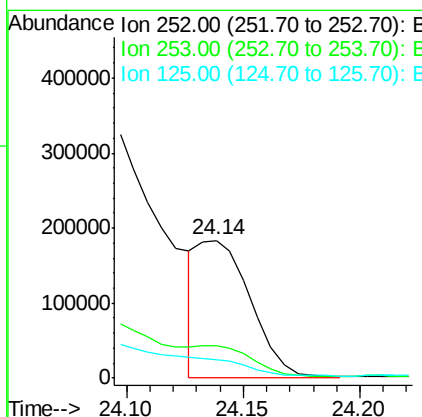
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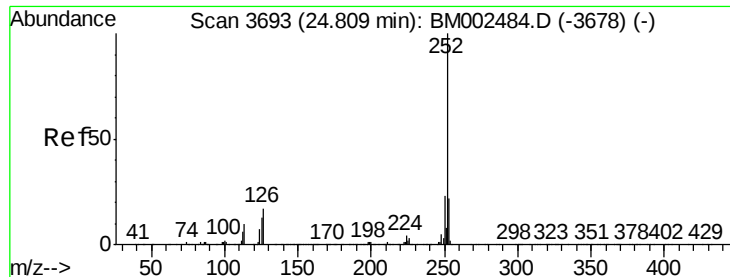
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#24
Benzo(k)fluoranthene
Concen: 11.94 ng/ul m
RT: 24.14 min Scan# 3579
Delta R.T. 0.00 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.7	17.8	26.6
125	13.7	9.8	14.8





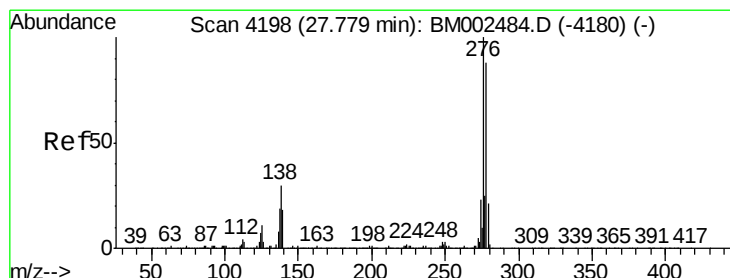
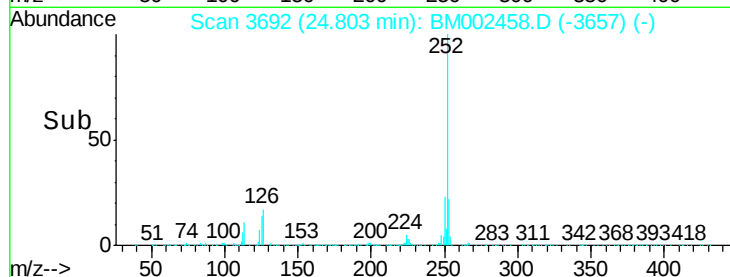
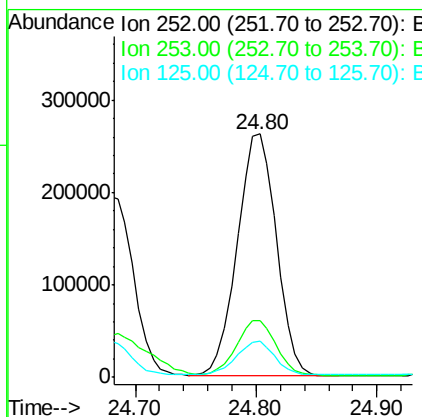
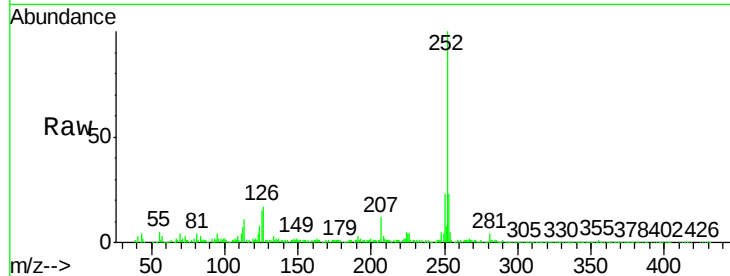
#26
Benzo(a)pyrene
Concen: 24.58 ng/ul
RT: 24.80 min Scan# 3692
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :
D9DC8

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	17.6	26.4
125	14.9	10.7	16.1

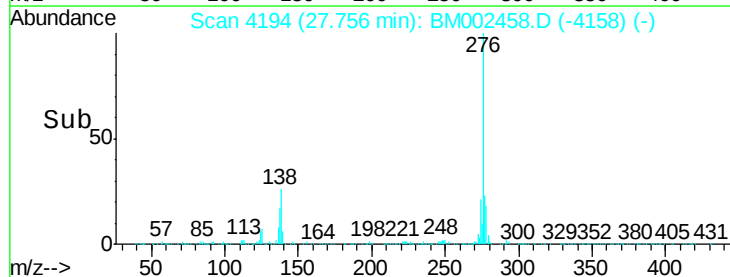
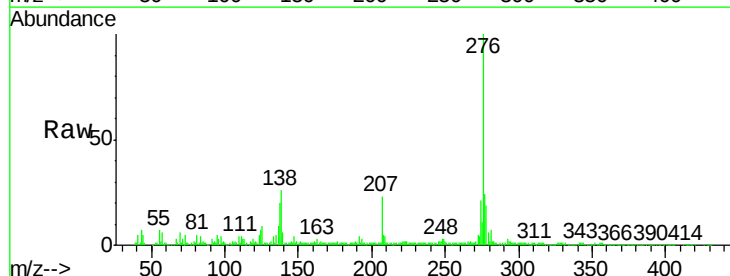
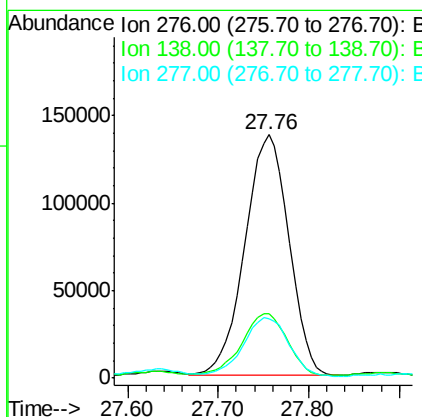
Manual Integrations
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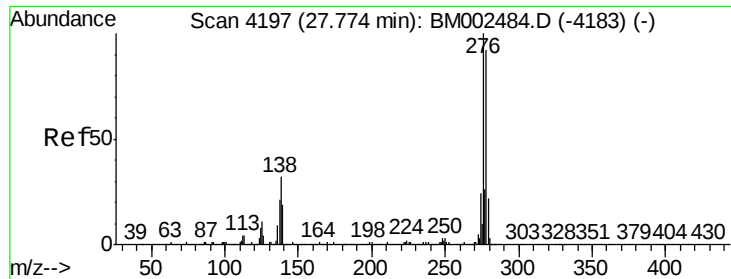
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#27
Indeno(1,2,3-cd)pyrene
Concen: 16.72 ng/ul
RT: 27.76 min Scan# 4194
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	26.4	25.3	37.9
277	24.3	20.2	30.2





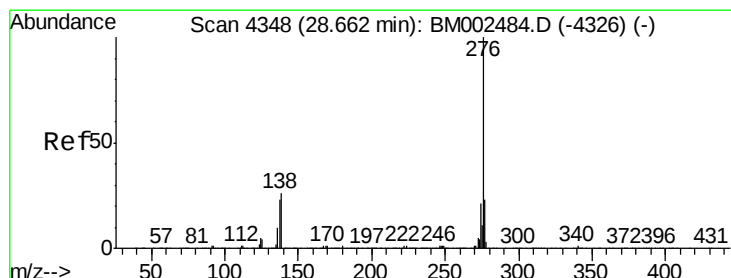
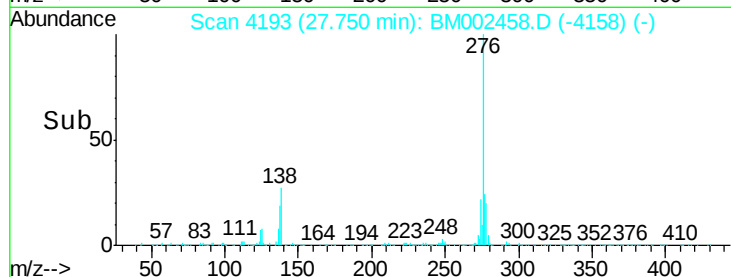
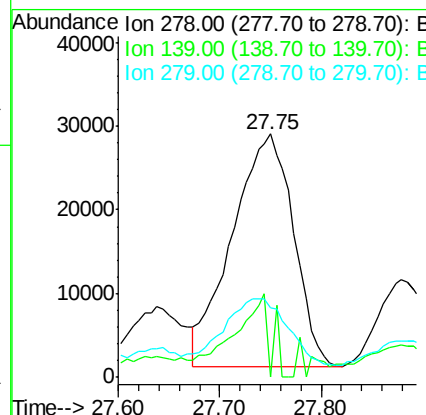
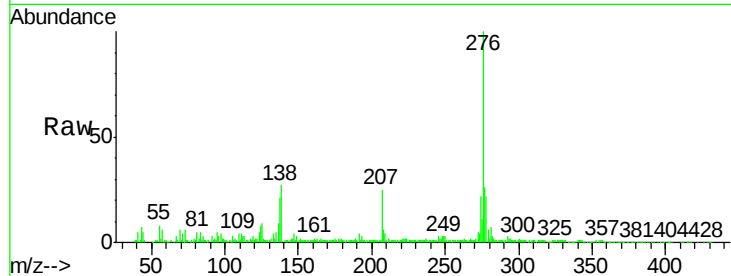
#28
Dibenzo(a,h)anthracene
Concen: 5.02 ng/ul
RT: 27.75 min Scan# 4193
Delta R.T. 0.01 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Instrument :
BNA_M
ClientSampleId :
D9DC8

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	116536		
139	0.0	16.5	24.7#	
279	28.7	18.8	28.2#	

Manual Integrations
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#29
Benzo(g,h,i)perylene
Concen: 18.17 ng/ul
RT: 28.64 min Scan# 4345
Delta R.T. 0.02 min
Lab File: BM002458.D
Acq: 17 Aug 2015 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	419699		
138	26.2	21.0	31.6	
277	24.3	19.2	28.8	

