

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
 Data File : BM022018.D
 Acq On : 11 Aug 2019 05:22
 Operator : HP/JU
 Sample : K4028-05DL 10X
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BENQ7DL

Manual Integrations
 APPROVED

Sohil
 8/13/2019 8:34:27 AM

Quant Time: Aug 12 01:43:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 09 01:29:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	1135	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.40	136	4827	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.27	164	2702	0.40	ng/ul	-0.01
10) Phenanthrene-d10	17.03	188	6013	0.40	ng/ul	-0.02
16) Chrysene-d12	21.22	240	5965	0.40	ng/ul	-0.02
20) Perylene-d12	23.43	264	7621	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.01	152	177	0.02	ng/ul	0.00
14) Fluoranthene-d10	19.06	212	506	0.02	ng/ul	-0.02
Target Compounds				Qvalue		
3) Naphthalene	10.45	128	333	0.024	ng/ul#	55
5) 2-Methylnaphthalene	12.09	142	207	0.023	ng/ul	91
7) Acenaphthylene	13.99	152	1057	0.084	ng/ul#	82
8) Acenaphthene	14.33	153	533	0.052	ng/ul	93
9) Fluorene	15.33	166	649	0.057	ng/ul#	94
12) Phenanthrene	17.07	178	14587	0.834	ng/ul	96
13) Anthracene	17.16	178	3822	0.256	ng/ul	99
15) Fluoranthene	19.09	202	29023	1.238	ng/ul	97
17) Pyrene	19.45	202	35718	1.457	ng/ul	99
18) Benzo(a)anthracene	21.21	228	21253	0.996	ng/ul	98
19) Chrysene	21.26	228	21711	0.791	ng/ul	97
21) Benzo(b)fluoranthene	22.77	252	21271m	0.828	ng/ul	
22) Benzo(k)fluoranthene	22.81	252	7934m	0.273	ng/ul	
23) Benzo(a)pyrene	23.33	252	17878	0.684	ng/ul#	83
24) Indeno(1,2,3-cd)pyrene	25.64	276	10073	0.323	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.64	278	3013	0.119	ng/ul#	68
26) Benzo(g,h,i)perylene	26.32	276	10547	0.375	ng/ul	97

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

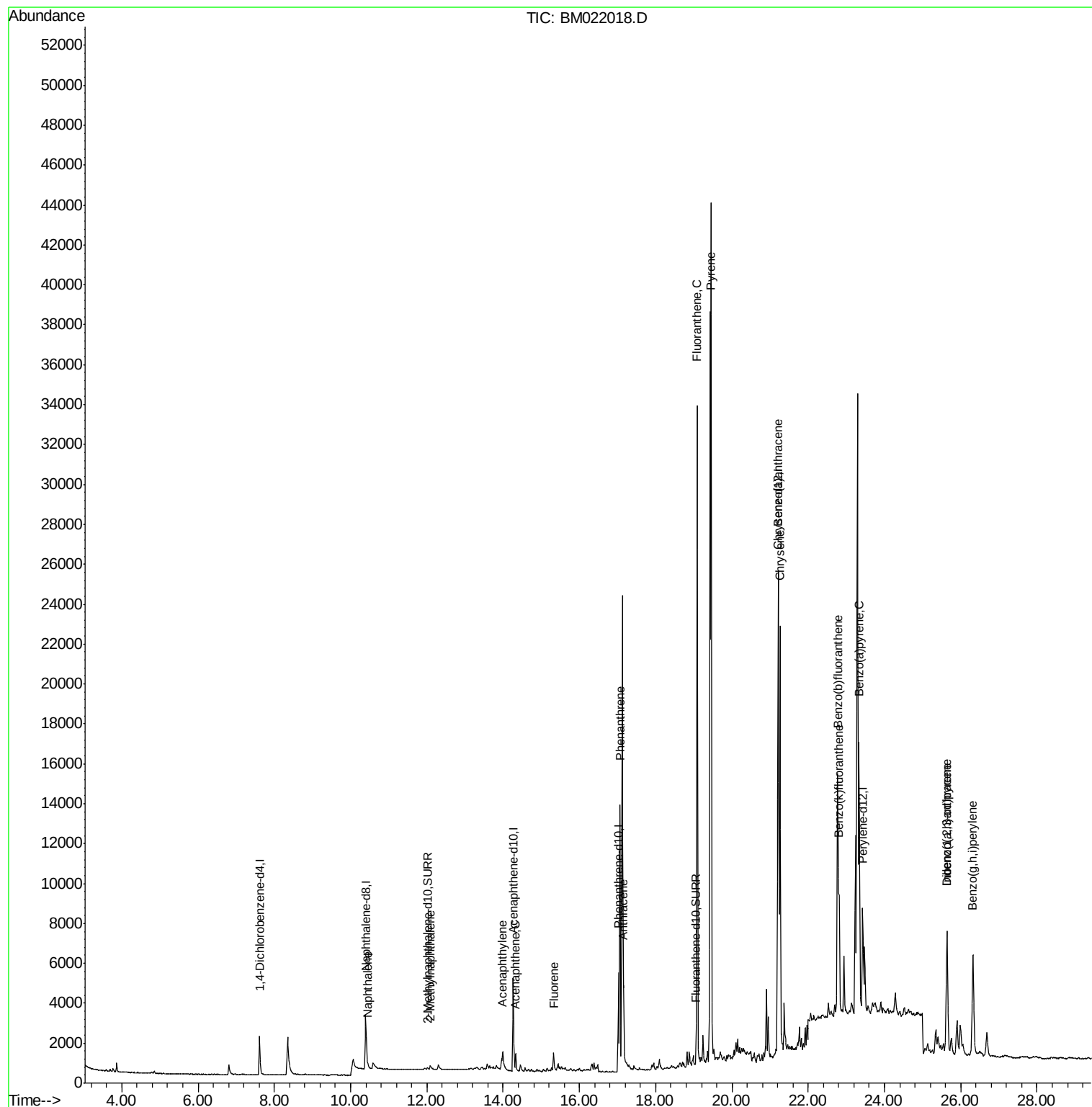
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM080919\
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ALS Vial : 55 Sample Multiplier: 1

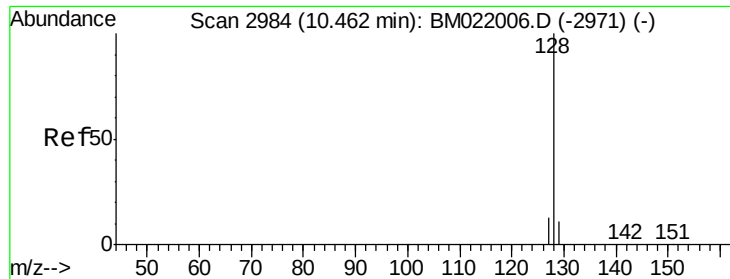
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM080319.M
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#3

Naphthalene

Concen: 0.024 ng/ul

RT: 10.45 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

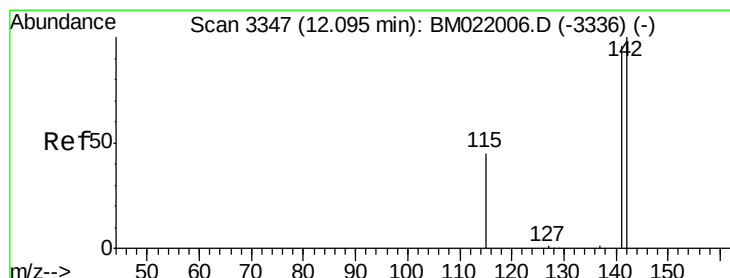
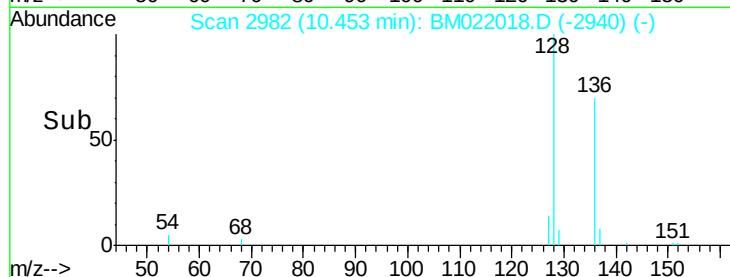
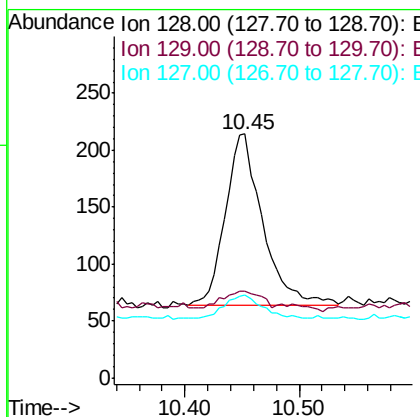
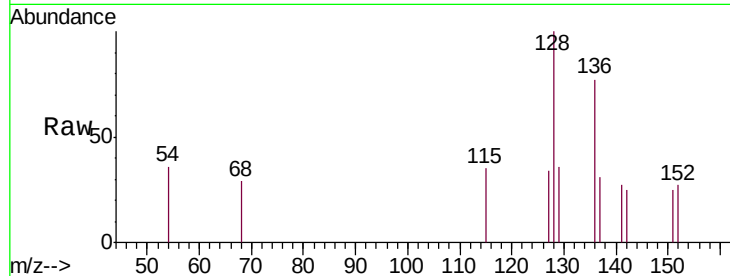
ClientSampled :

BENQ7DL

Tgt Ion:	128	Resp:	333
Ion Ratio	Lower	Upper	
128	100		
129	35.5	12.3	18.5#
127	34.1	13.0	19.6#

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#5

2-Methylnaphthalene

Concen: 0.023 ng/ul

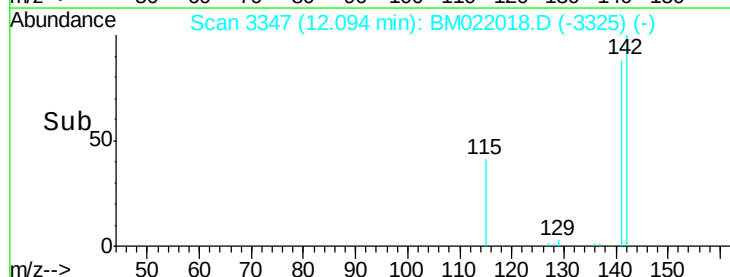
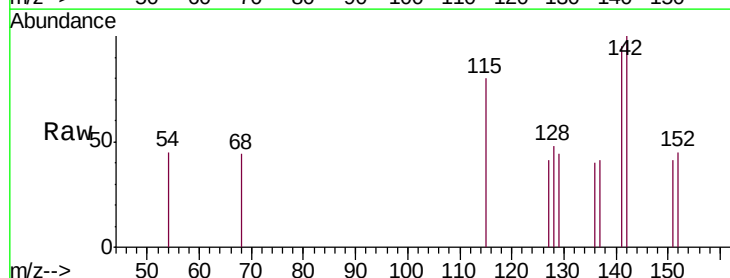
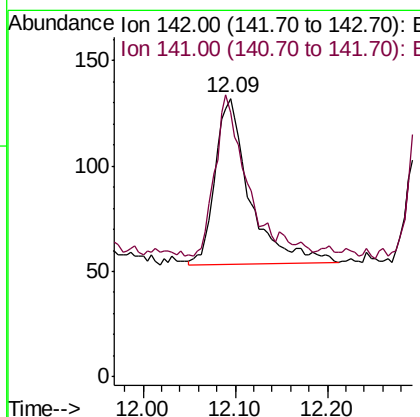
RT: 12.09 min Scan# 3347

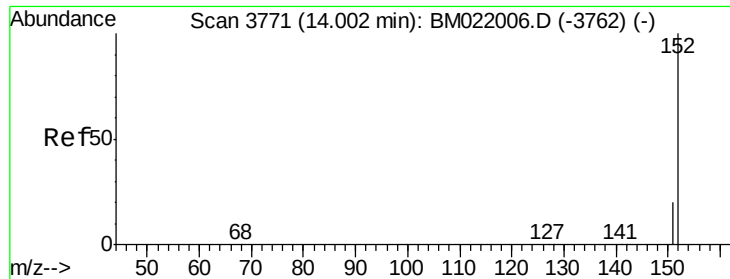
Delta R.T. -0.00 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Tgt Ion:	142	Resp:	207
Ion Ratio	Lower	Upper	
142	100		
141	84.1	74.3	111.5





#7

Acenaphthylene

Concen: 0.084 ng/ul

RT: 13.99 min Scan# 3769

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

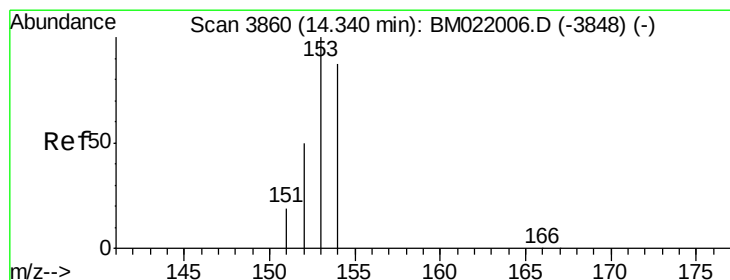
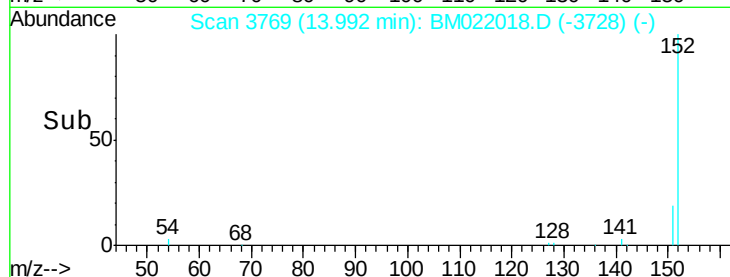
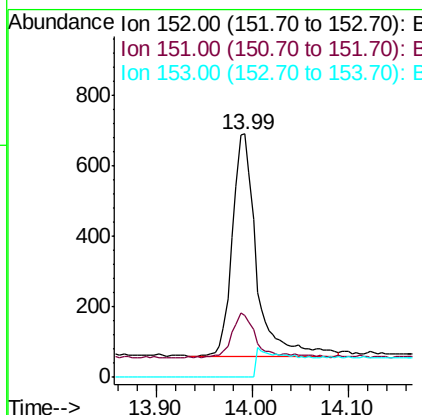
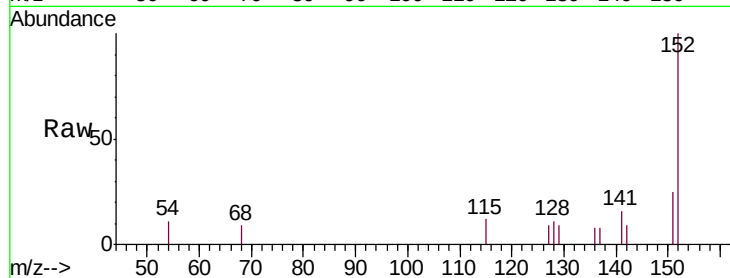
ClientSampleId :

BENQ7DL

Tgt Ion:	152	Resp:	1057
Ion Ratio	Lower	Upper	
152	100		
151	25.2	18.3	27.5
153	0.0	12.8	19.2

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#8

Acenaphthene

Concen: 0.052 ng/ul

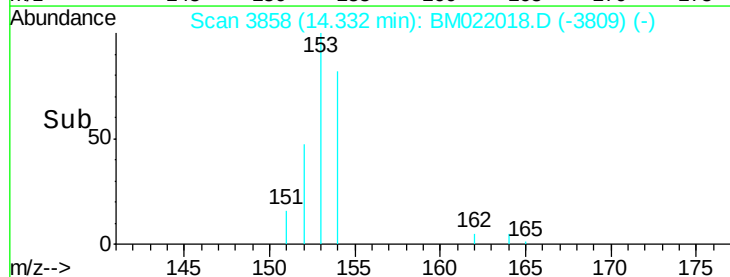
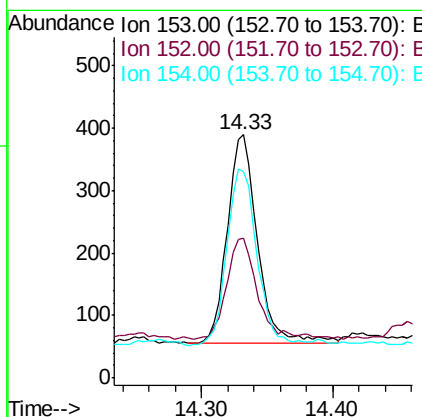
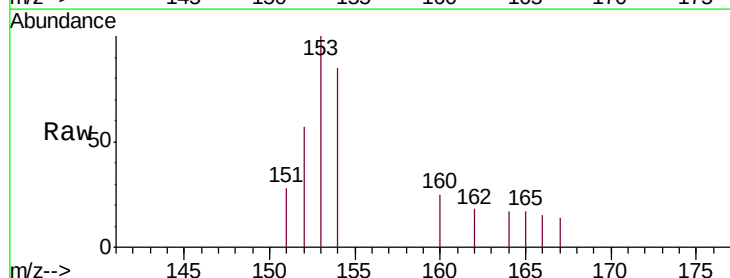
RT: 14.33 min Scan# 3858

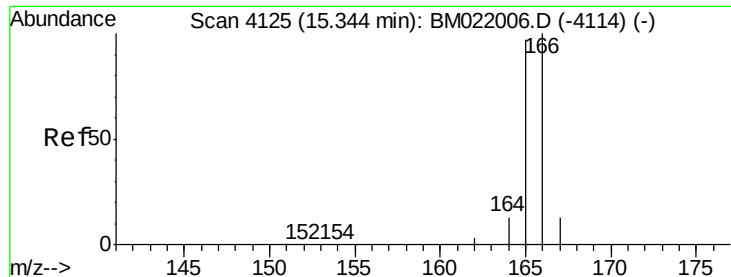
Delta R.T. -0.01 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Tgt Ion:	153	Resp:	533
Ion Ratio	Lower	Upper	
153	100		
152	57.4	41.3	61.9
154	84.6	72.3	108.5





#9

Fluorene

Concen: 0.057 ng/ul

RT: 15.33 min Scan# 4120

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

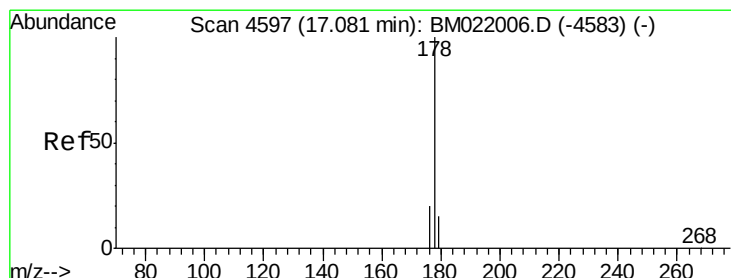
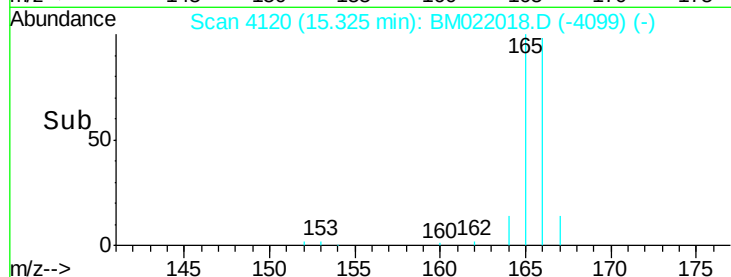
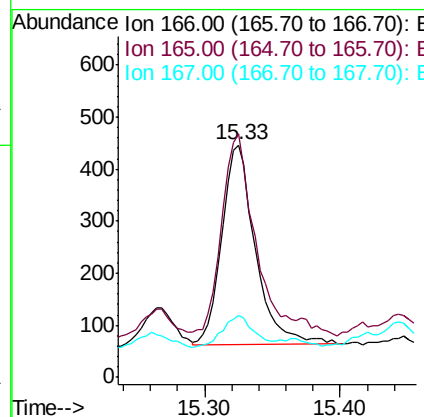
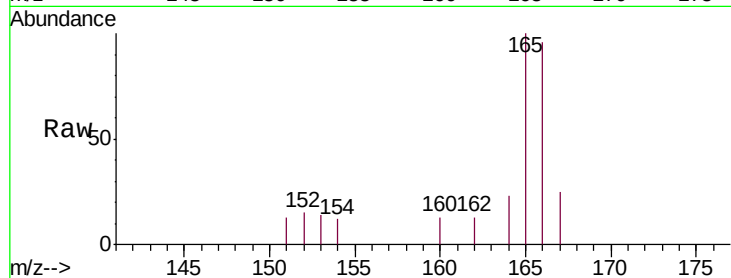
ClientSampleId :

BENQ7DL

Tgt Ion:	166	Resp:	649
Ion Ratio	Lower	Upper	
166	100		
165	104.7	81.4	122.0
167	26.4	13.7	20.5#

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#12

Phenanthrene

Concen: 0.834 ng/ul

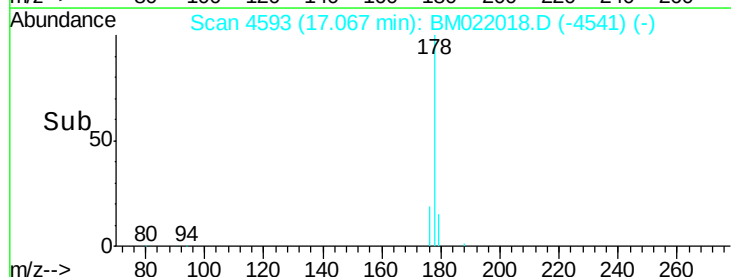
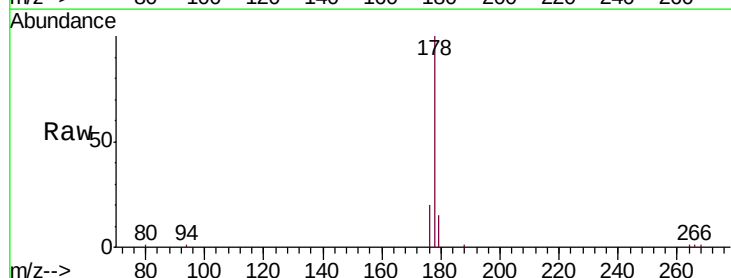
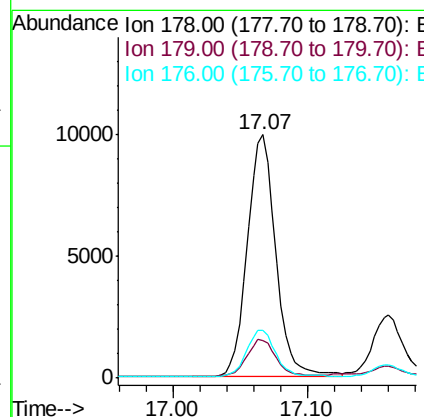
RT: 17.07 min Scan# 4593

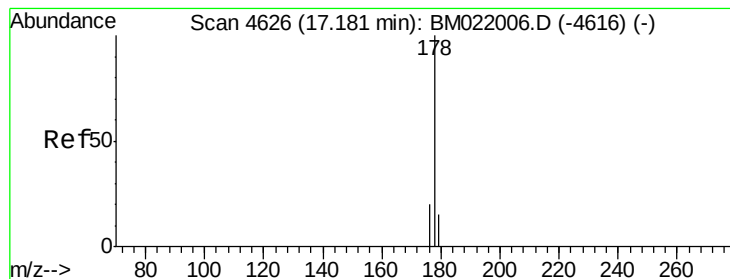
Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Tgt Ion:	178	Resp:	14587
Ion Ratio	Lower	Upper	
178	100		
179	15.5	14.2	21.2
176	19.8	16.8	25.2





#13

Anthracene

Concen: 0.256 ng/ul

RT: 17.16 min Scan# 4620

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

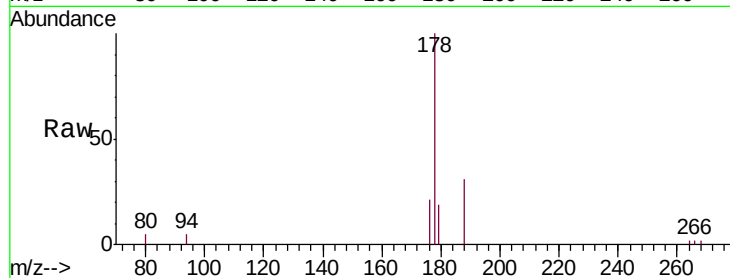
ClientSampled :

BENQ7DL

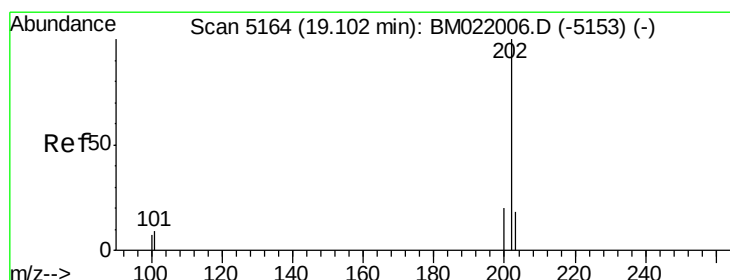
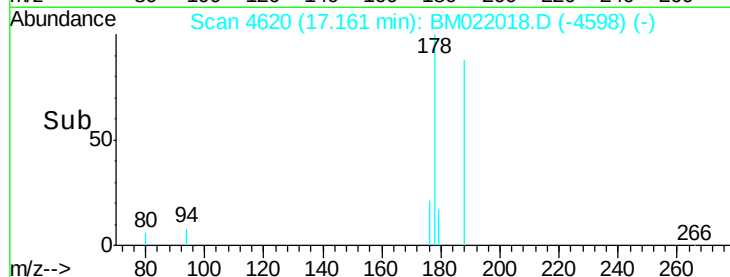
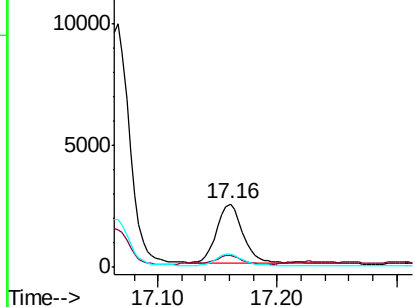
Tgt Ion:	178	Resp:	3822
Ion Ratio	Lower	Upper	
178	100		
179	18.9	15.5	23.3
176	21.4	16.6	25.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#15

Fluoranthene

Concen: 1.238 ng/ul

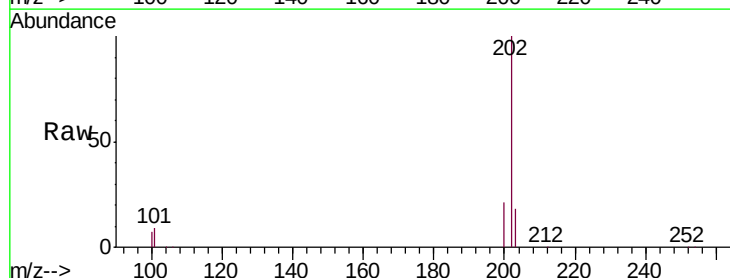
RT: 19.09 min Scan# 5160

Delta R.T. -0.02 min

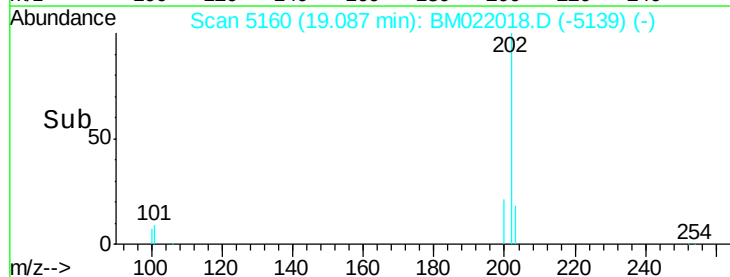
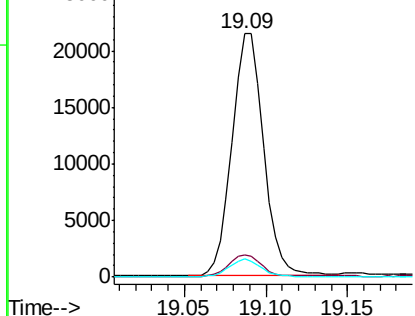
Lab File: BM022018.D

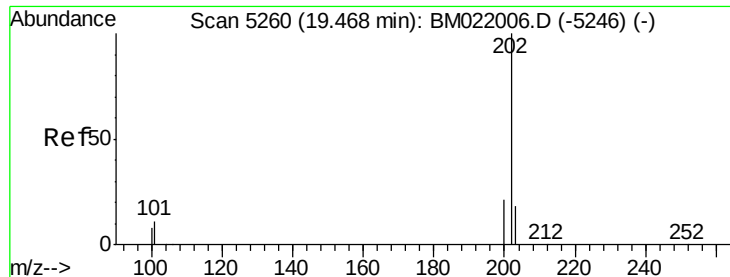
Acq: 11 Aug 2019 05:22

Tgt Ion:	202	Resp:	29023
Ion Ratio	Lower	Upper	
202	100		
101	9.2	0.0	30.2
100	7.3	0.0	28.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





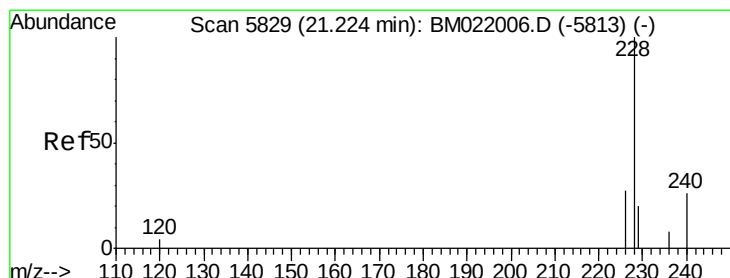
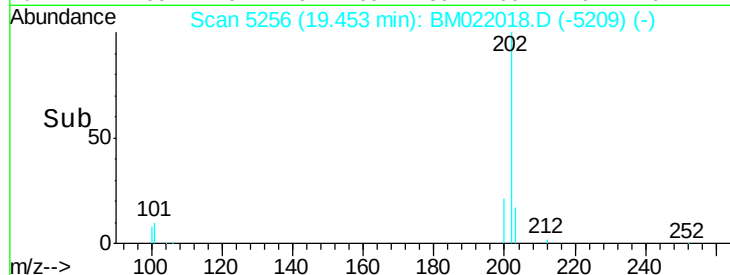
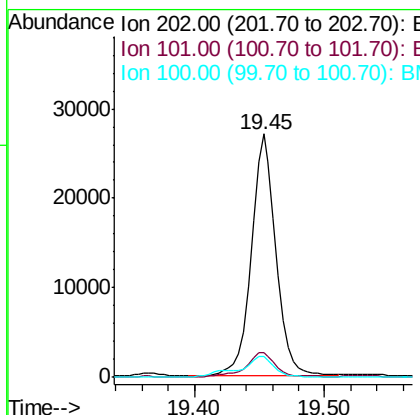
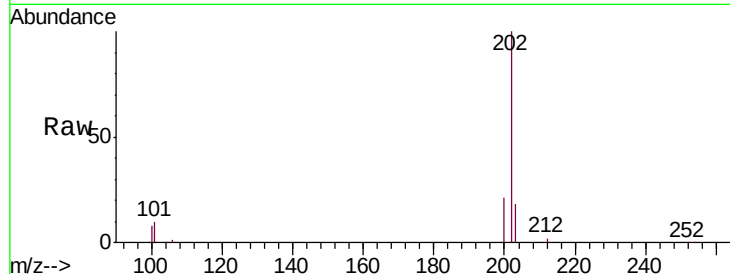
#17
Pyrene
 Concen: 1.457 ng/ul
 RT: 19.45 min Scan# 5256
 Delta R.T. -0.02 min
 Lab File: BM022018.D
 Acq: 11 Aug 2019 05:22

Instrument :
 BNA_M
 ClientSampleId :
 BENQ7DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.3	8.3	12.5
100	8.4	7.2	10.8

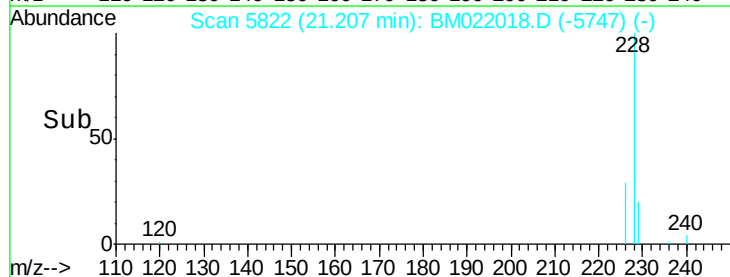
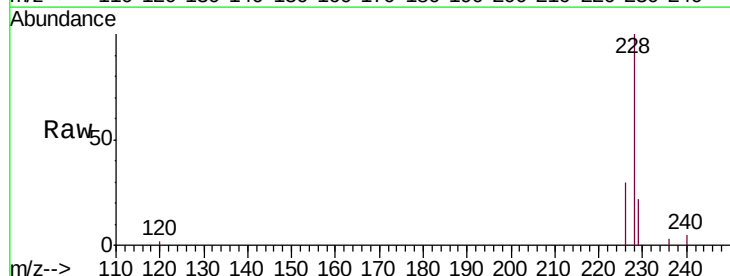
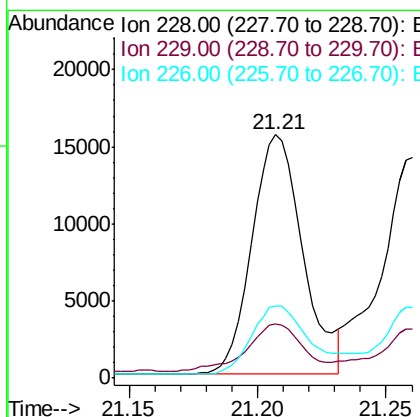
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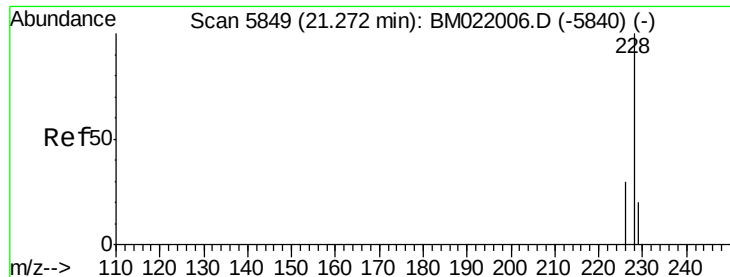
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#18
Benzo(a)anthracene
 Concen: 0.996 ng/ul
 RT: 21.21 min Scan# 5822
 Delta R.T. -0.02 min
 Lab File: BM022018.D
 Acq: 11 Aug 2019 05:22

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.1	17.2	25.8
226	29.8	22.6	34.0





#19

Chrysene

Concen: 0.791 ng/ul

RT: 21.26 min Scan# 5844

Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

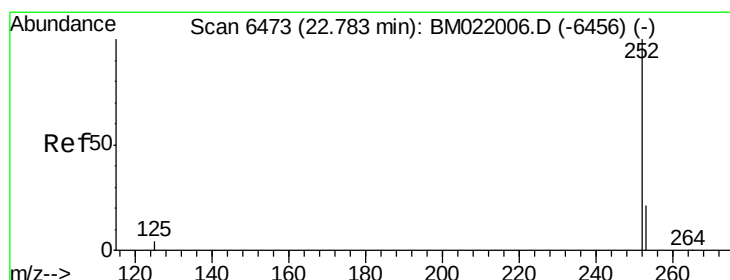
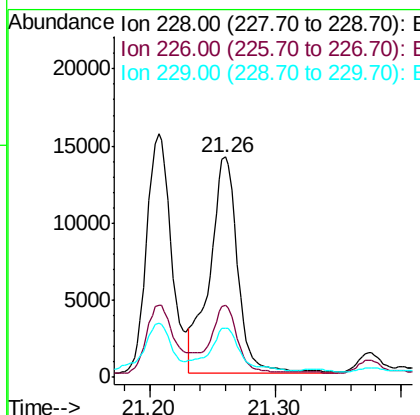
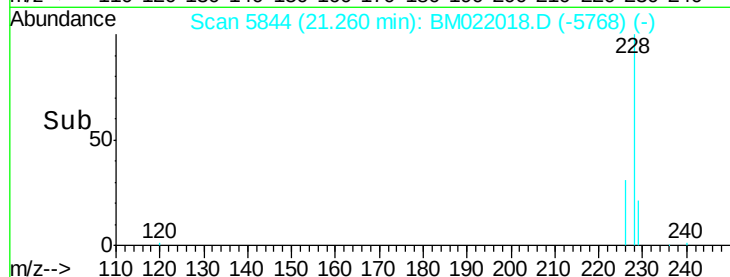
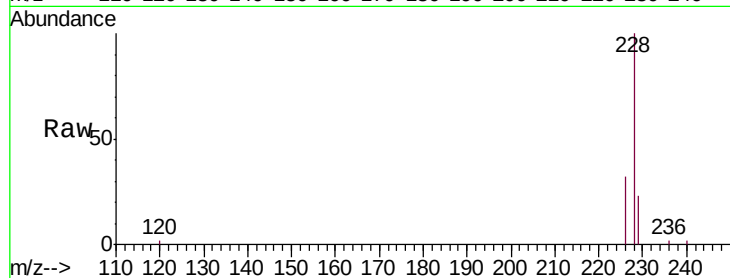
ClientSampleId :

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Tgt Ion:	228	Resp:	21711
Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	22.5	16.6	25.0

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#21

Benzo(b)fluoranthene

Concen: 0.828 ng/ul m

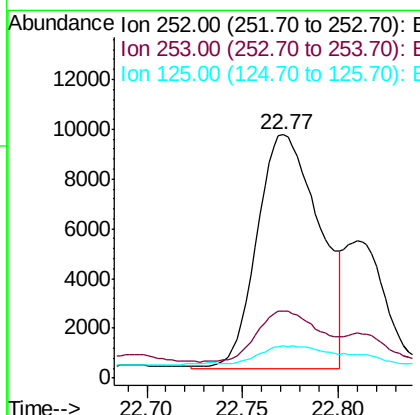
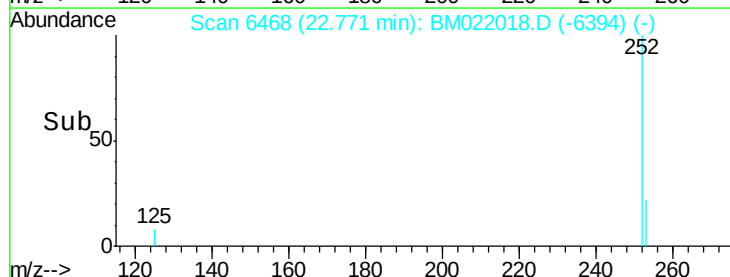
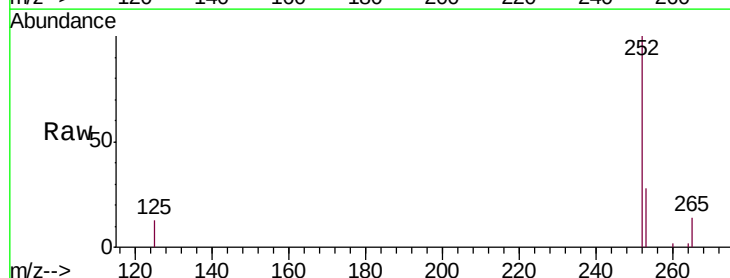
RT: 22.77 min Scan# 6468

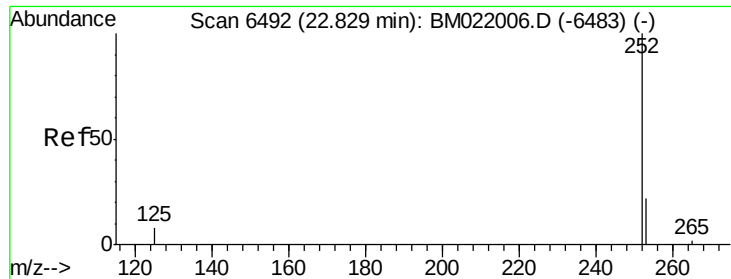
Delta R.T. -0.02 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Tgt Ion:	252	Resp:	21271
Ion	Ratio	Lower	Upper
252	100		
253	27.7	0.0	67.4
125	13.1	0.0	31.0





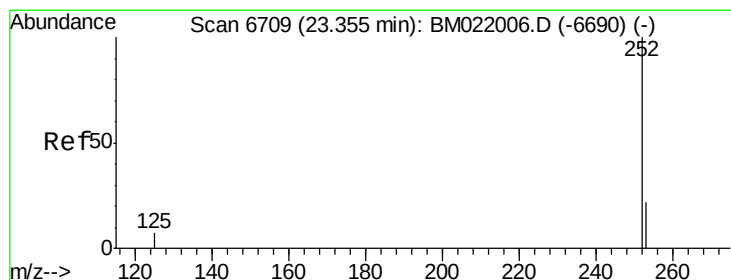
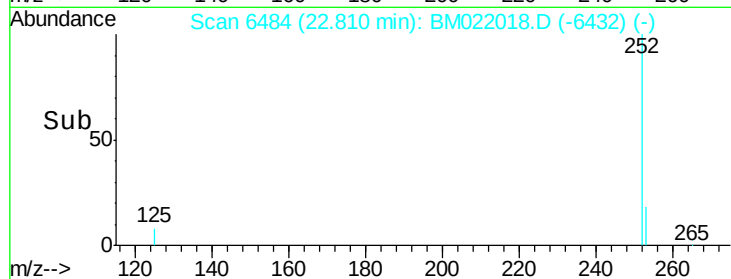
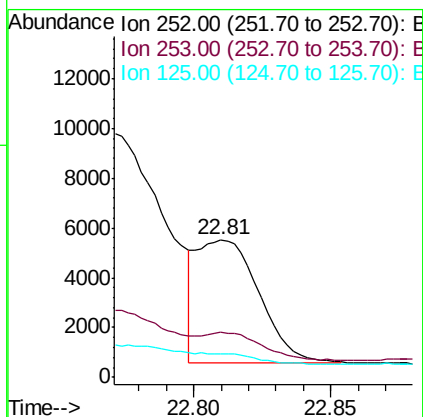
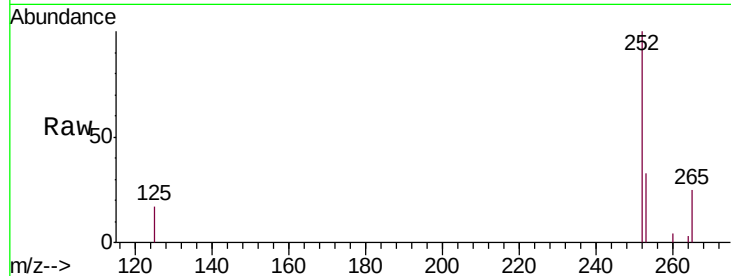
#22
Benzo(k)fluoranthene
Concen: 0.273 ng/ul m
RT: 22.81 min Scan# 6484
Delta R.T. -0.02 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Instrument :
BNA_M
ClientSampleId :
BENQ7DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	27.0	40.4
125	17.1	12.2	18.2

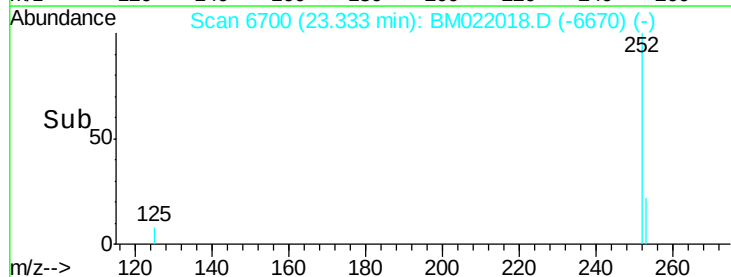
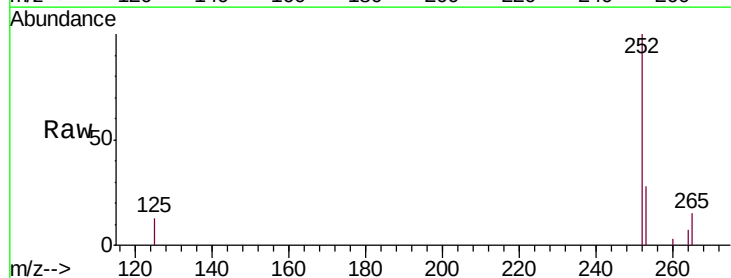
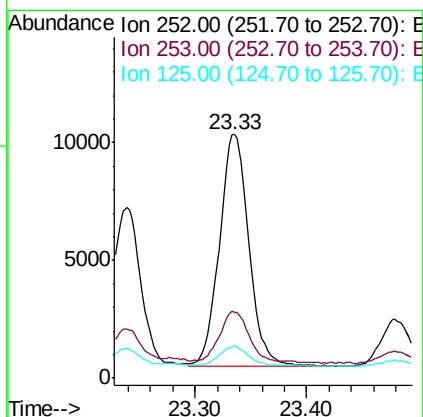
Manual Integrations
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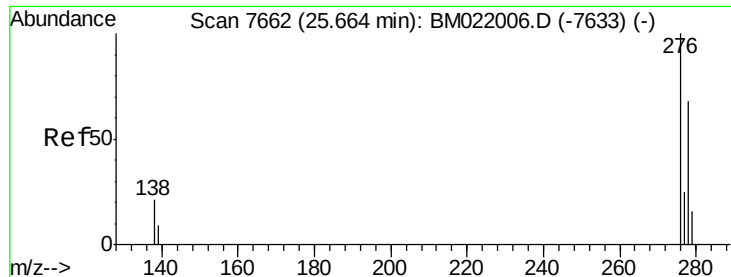
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8/13/2019 8:34:27 AM



#23
Benzo(a)pyrene
Concen: 0.684 ng/ul
RT: 23.33 min Scan# 6700
Delta R.T. -0.03 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	31.7	47.5#
125	13.0	14.6	21.8#





#24

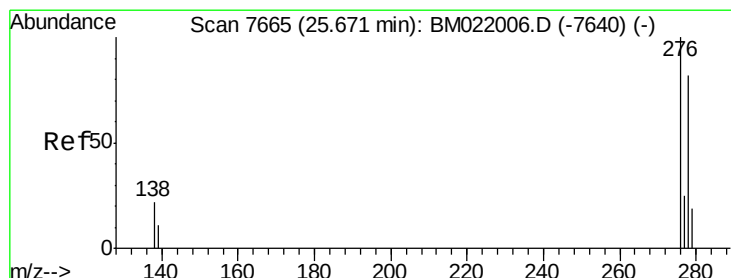
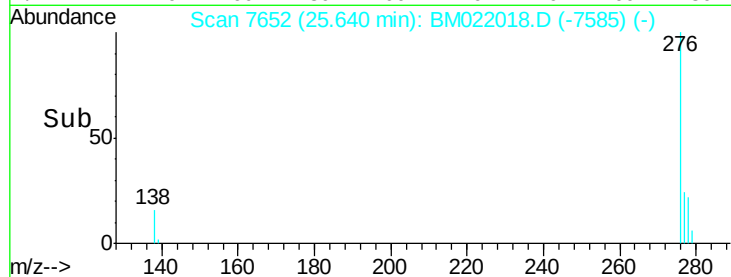
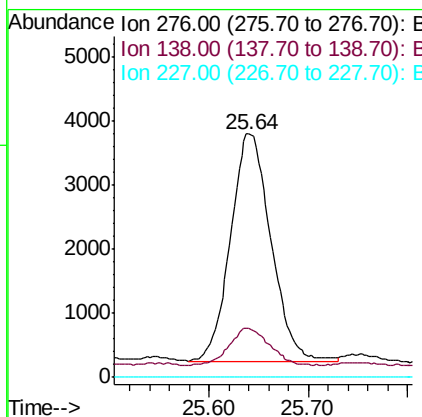
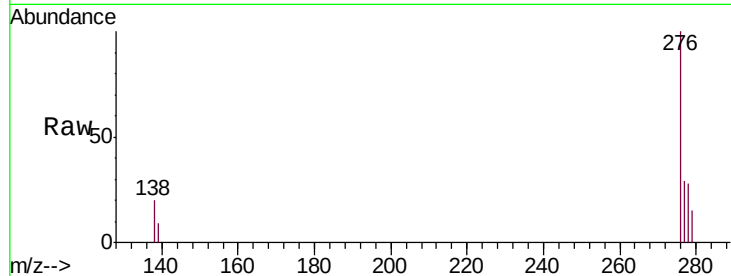
Indeno(1,2,3-cd)pyrene
Concen: 0.323 ng/ul
RT: 25.64 min Scan# 7652
Delta R.T. -0.04 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Instrument :
BNA_M
ClientSampleId :
BENQ7DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	15.1	22.7
227	0.0	0.0	0.0

Manual Integrations
APPROVED

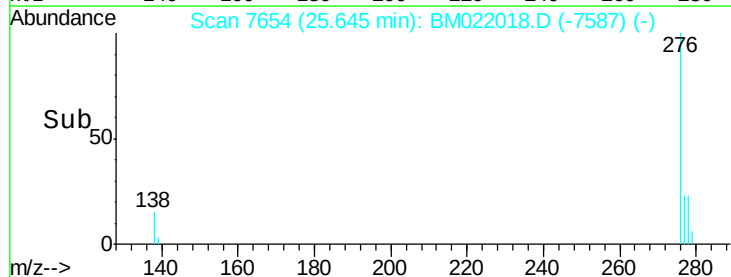
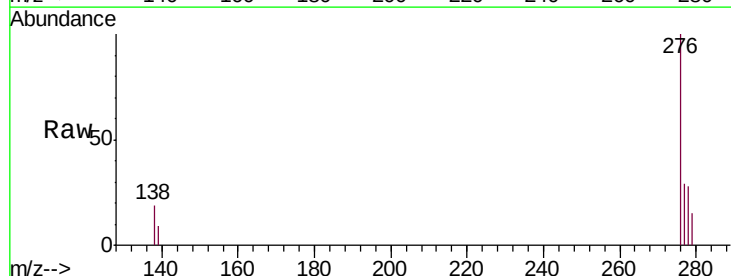
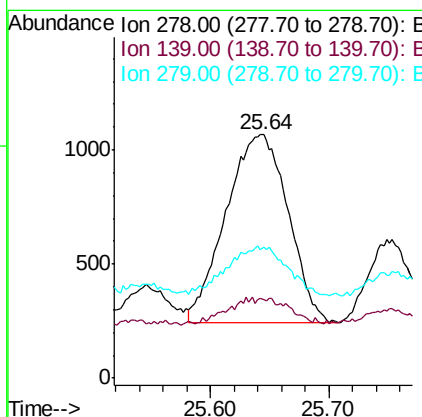
Sohil
8/13/2019 8:34:27 AM

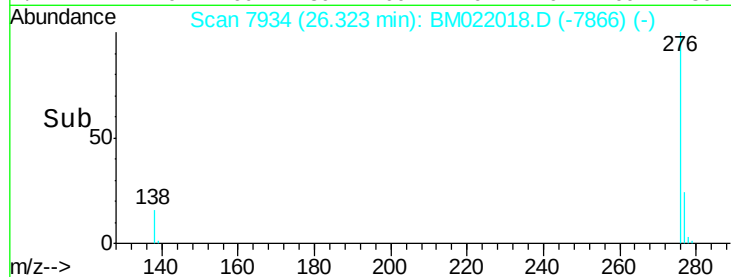
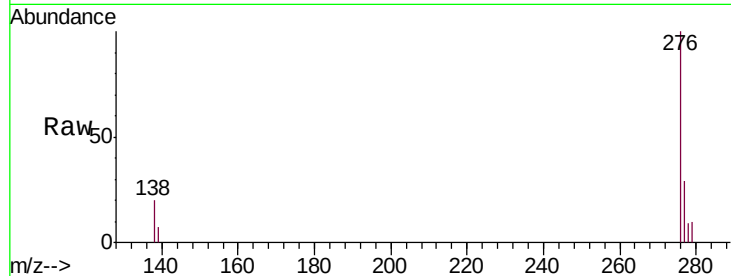
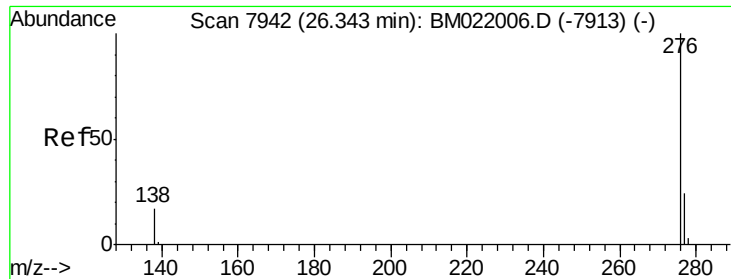


#25

Dibenzo(a,h)anthracene
Concen: 0.119 ng/ul
RT: 25.64 min Scan# 7654
Delta R.T. -0.04 min
Lab File: BM022018.D
Acq: 11 Aug 2019 05:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.3	14.2	21.2#
279	53.8	28.3	42.5#





#26

Benzo(g,h,i)perylene

Concen: 0.375 ng/ul

RT: 26.32 min Scan# 7934

Delta R.T. -0.03 min

Lab File: BM022018.D

Acq: 11 Aug 2019 05:22

Instrument :

BNA_M

ClientSampleId :

BENQ7DL

Tgt	Ion	276	Resp:	10547
Ion	Ratio	Lower	Upper	
276	100			
138	19.9	15.5	23.3	
277	28.7	21.4	32.2	

Manual Integrations
APPROVED

Sohil
8/13/2019 8:34:27 AM

