

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014796.D
 Acq On : 24 Apr 2018 03:17
 Operator : SJ/JU
 Sample : J2431-11
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DASP2

Manual Integrations
 APPROVED

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 4/24/2018 7:13:39 PM

Quant Time: Apr 24 04:35:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	390740	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1660769	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	874678	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1787855	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1747475	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1838758	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	42833	4.79	ng/uL	0.00
5) Phenol-d5	7.65	99	803520	26.60	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	525712	27.14	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	678210	26.84	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	637456	26.46	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	316659	26.37	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	340535	28.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	609979	25.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	689896	28.77	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	1798533	26.34	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	2158274	25.60	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	270324	21.33	ng/ul	0.00
57) Fluorene-d10	16.10	176	1539170	25.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	143893	14.87	ng/ul	0.00
70) Anthracene-d10	17.94	188	2265917	27.20	ng/ul	0.00
76) Pyrene-d10	20.17	212	2362072	28.57	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	2624300	29.05	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	11.42	128	759187	9.381	ng/ul	100
34) 2-Methylnaphthalene	12.99	142	317071	5.642	ng/ul	96
40) 1,1'-Biphenyl	13.97	154	110845	1.576	ng/ul#	98
44) Dimethylphthalate	14.56	163	354644	5.373	ng/ul	99
47) Acenaphthylene	14.86	152	195634	2.395	ng/ul	98
49) Acenaphthene	15.19	153	599858	10.333	ng/ul	100
53) Dibenzofuran	15.52	168	779773	9.673	ng/ul	100
58) Fluorene	16.16	166	613700	9.428	ng/ul	99
68) Pentachlorophenol	17.48	266	50083	4.014	ng/ul	95
69) Phenanthrene	17.89	178	3735033	38.900	ng/ul	99
71) Anthracene	17.97	178	945217	9.700	ng/ul	99
72) Carbazole	18.23	167	244163	2.937	ng/ul	97
73) Di-n-butylphthalate	18.75	149	102616	1.015	ng/ul#	90
74) Fluoranthene	19.84	202	3988737	38.103	ng/ul#	82
77) Pyrene	20.20	202	2935108	28.747	ng/ul#	80
80) Benzo(a)anthracene	21.91	228	1381129	13.515	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.79	149	1622680	26.540	ng/ul#	96
82) Chrysene	21.97	228	1574941	16.463	ng/ul	96
85) Benzo(b)fluoranthene	23.66	252	3928820m	36.246	ng/ul	
86) Benzo(k)fluoranthene	23.69	252	863810m	8.287	ng/ul	
88) Benzo(a)pyrene	24.32	252	2326130	22.623	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.00	276	1336253	10.743	ng/ul#	90
90) Dibenzo(a,h)anthracene	27.00	278	349458	3.337	ng/ul#	94

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 02:13:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	27.80	276	954262	9.325	ng/ul#	89

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

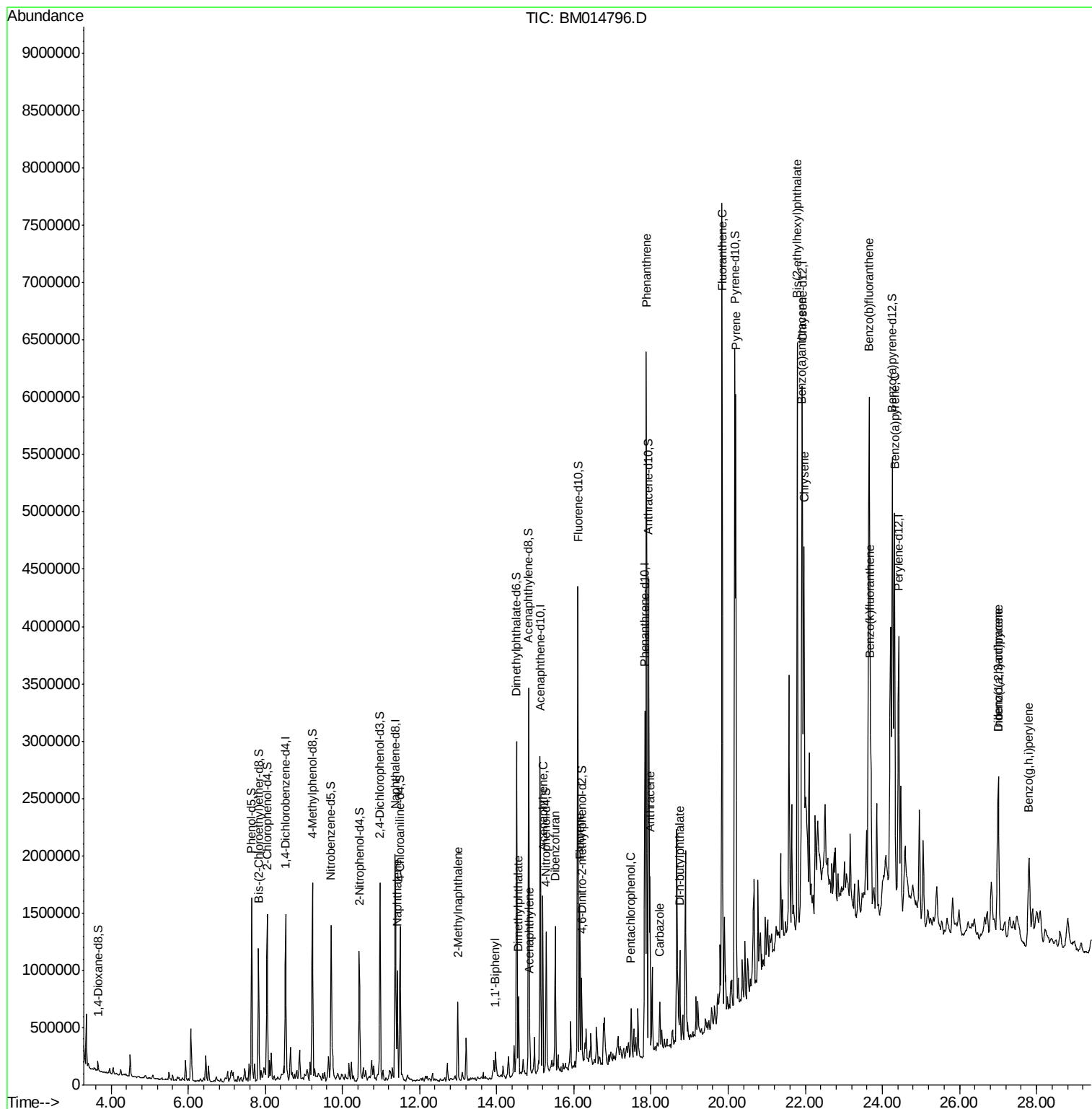
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
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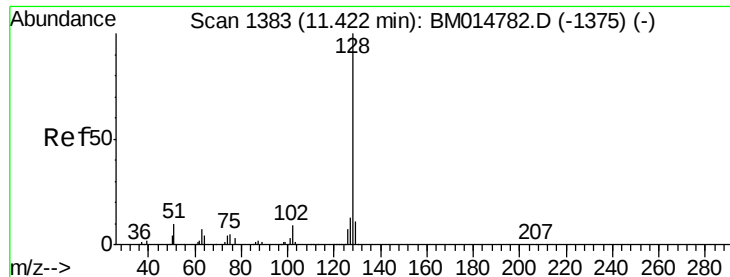
Instrument :
BNA_M
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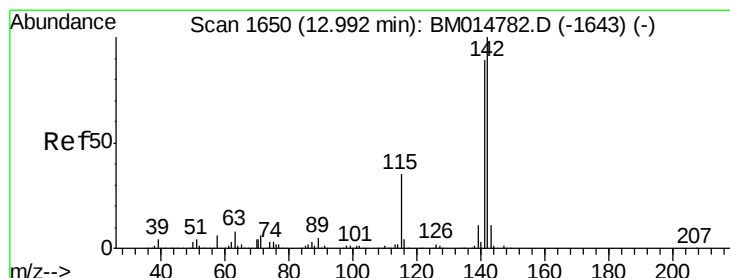
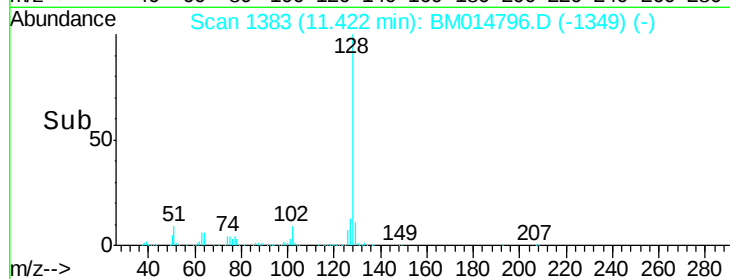
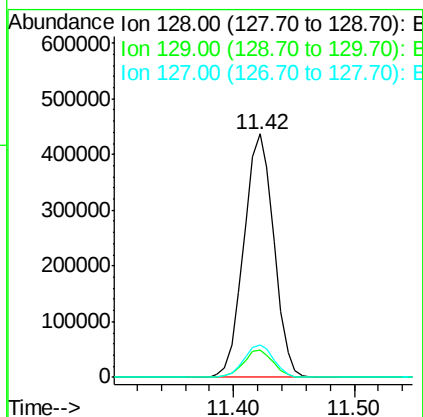
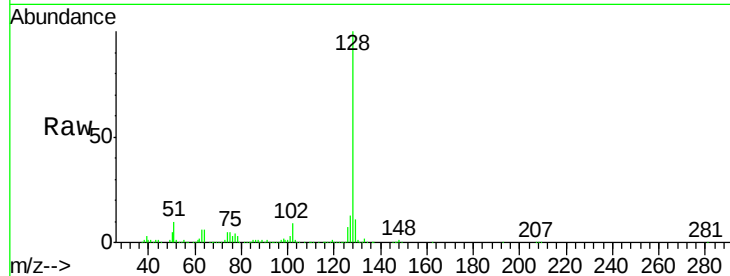
#28
Naphthalene
Concen: 9.381 ng/ul
RT: 11.42 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampled :
DASP2

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	10.6	16.0

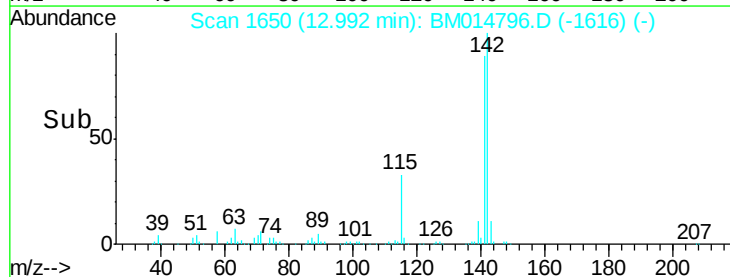
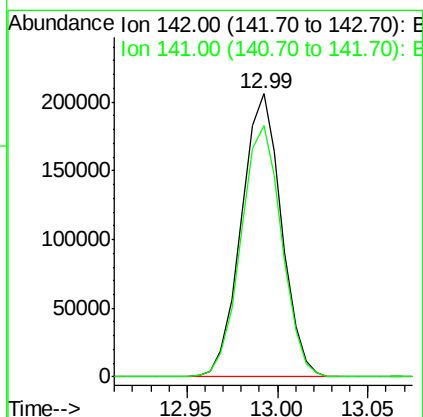
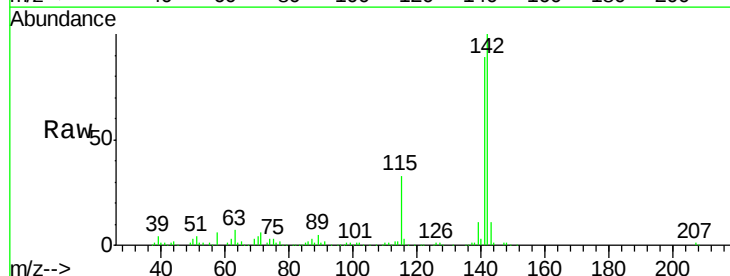
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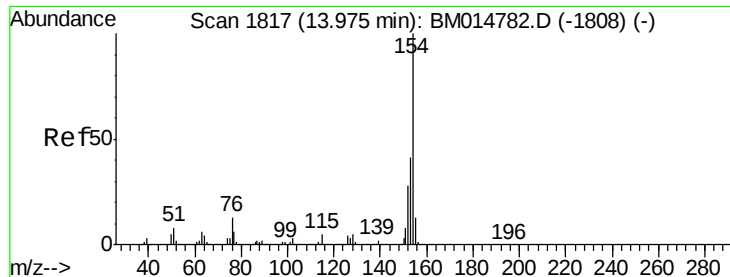
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#34
2-Methylnaphthalene
Concen: 5.642 ng/ul
RT: 12.99 min Scan# 1650
Delta R.T. -0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	74.1	111.1





#40

1,1'-Biphenyl

Concen: 1.576 ng/ul

RT: 13.97 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Instrument :

BNA_M

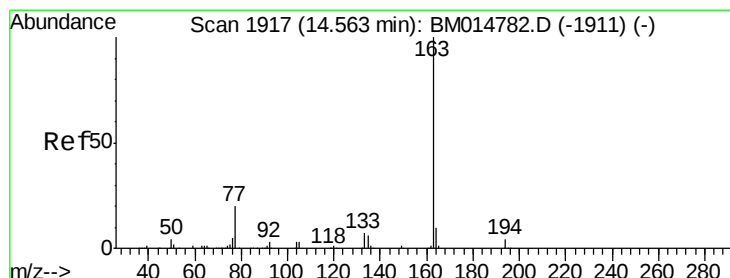
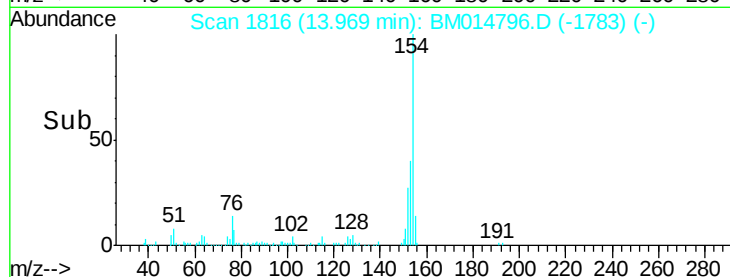
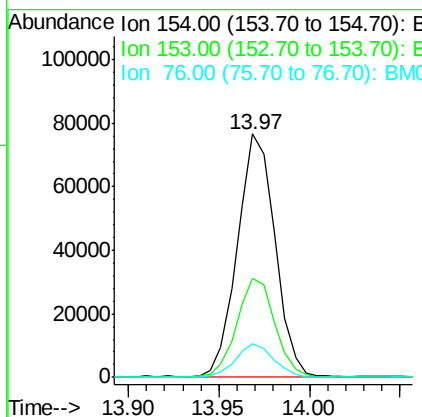
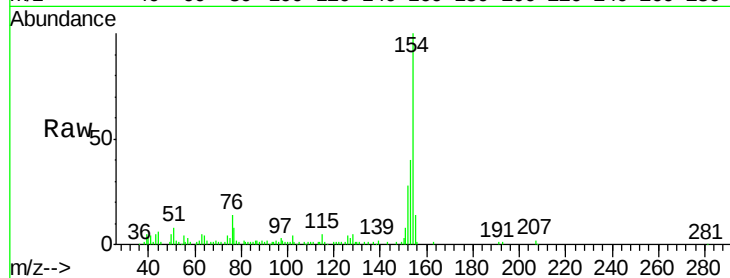
ClientSampled :

DASP2

Tot Ion:	154	Resp:	110845
Ion Ratio	Lower	Upper	
154	100		
153	40.4	32.6	48.8
76	13.7	8.5	12.7#

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#44

Dimethylphthalate

Concen: 5.373 ng/ul

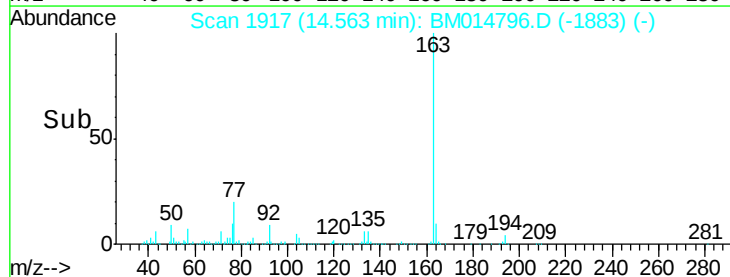
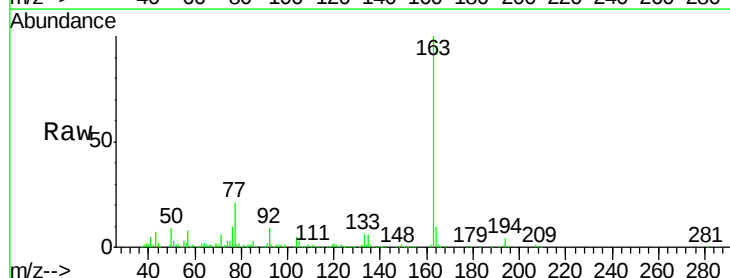
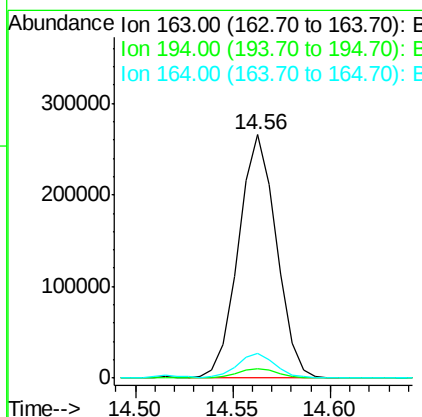
RT: 14.56 min Scan# 1917

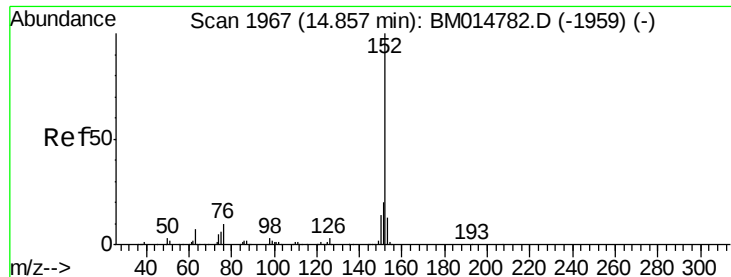
Delta R.T. -0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Tgt Ion:	163	Resp:	354644
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.5	5.3
164	10.2	8.2	12.4





#47

Acenaphthylene

Concen: 2.395 ng/ul

RT: 14.86 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Instrument :

BNA_M

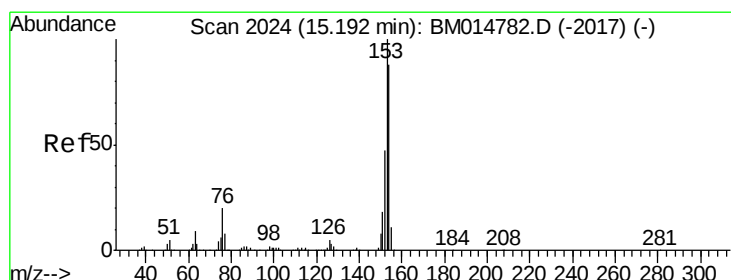
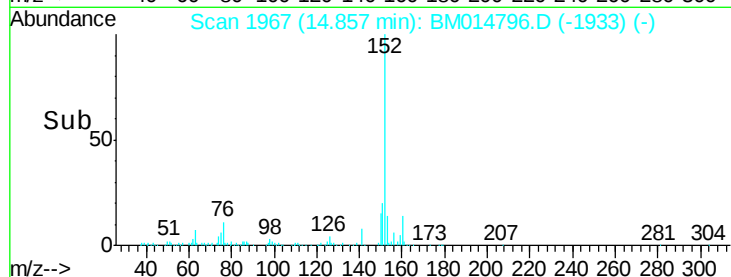
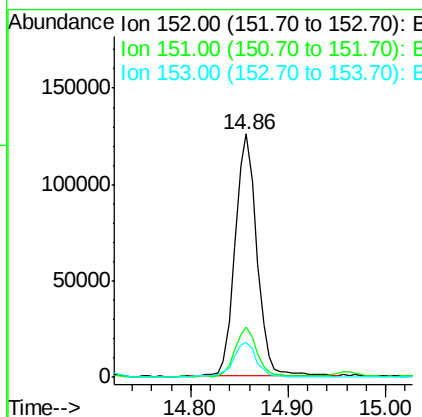
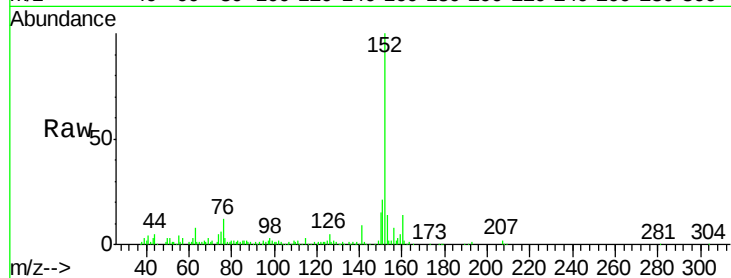
ClientSampleId :

DASP2

Tot Ion:	152	Resp:	195634
Ion Ratio	Lower	Upper	
152	100		
151	20.7	16.3	24.5
153	14.3	10.2	15.4

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#49

Acenaphthene

Concen: 10.333 ng/ul

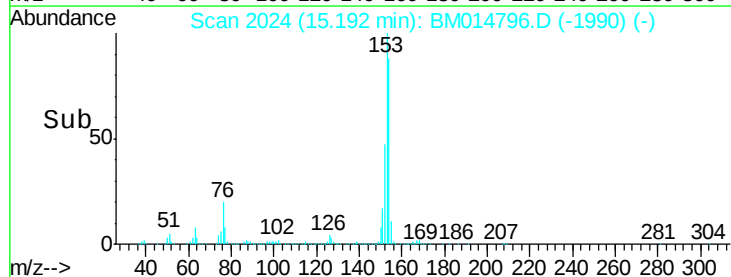
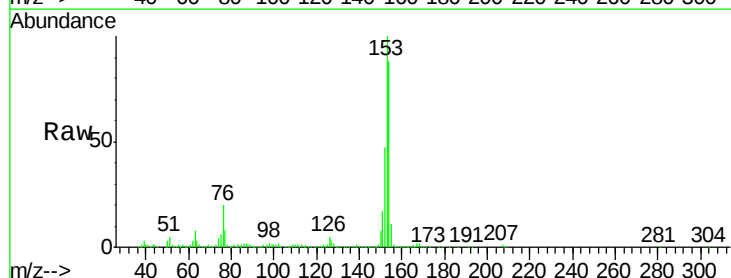
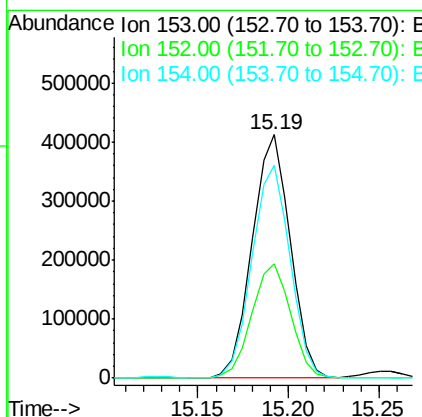
RT: 15.19 min Scan# 2024

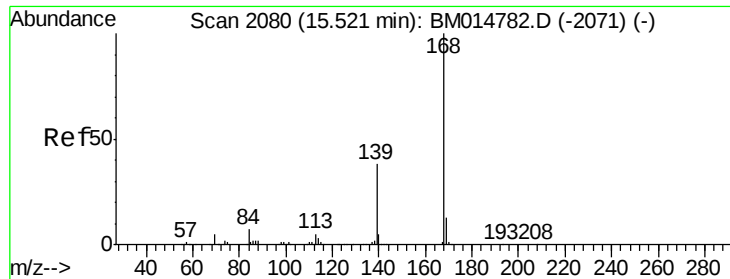
Delta R.T. -0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Tgt Ion:	153	Resp:	599858
Ion Ratio	Lower	Upper	
153	100		
152	46.9	37.6	56.4
154	87.6	70.4	105.6





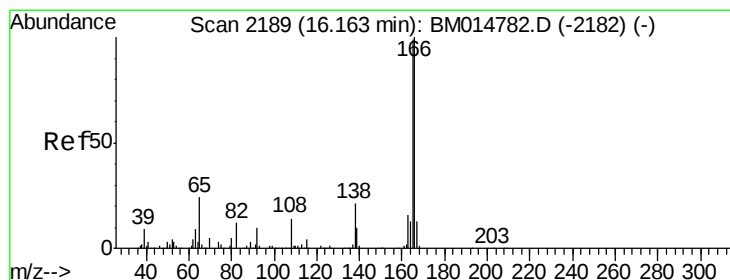
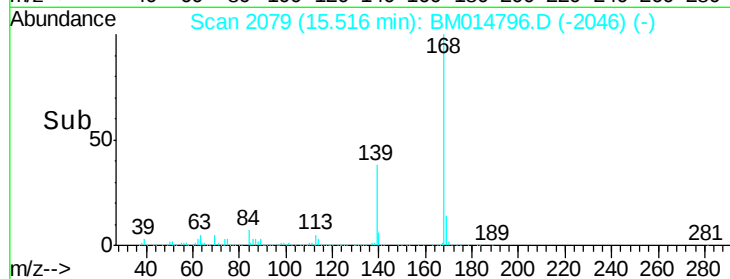
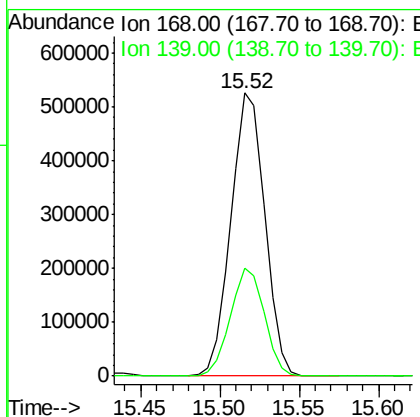
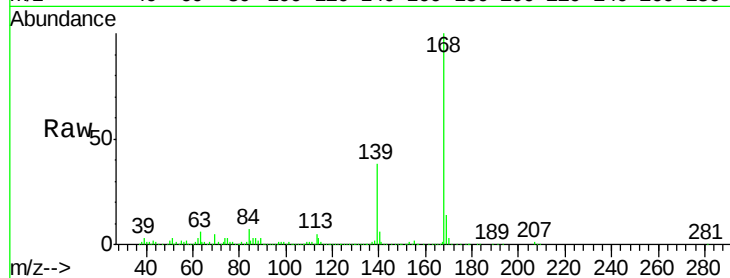
#53
Dibenzenofuran
Concen: 9.673 ng/ul
RT: 15.52 min Scan# 2079
Delta R.T. -0.01 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampleId :
DASP2

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.8	46.2

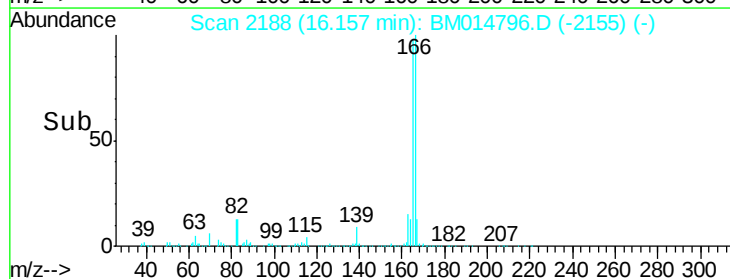
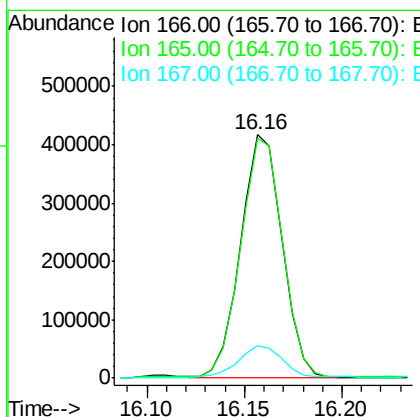
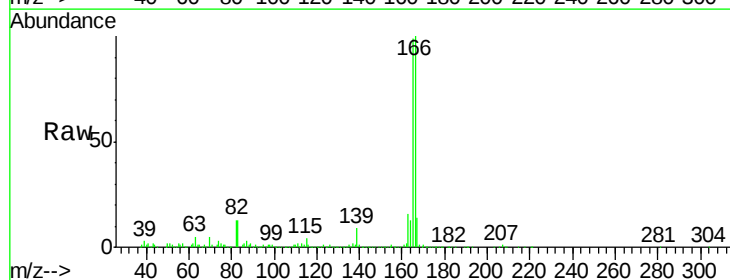
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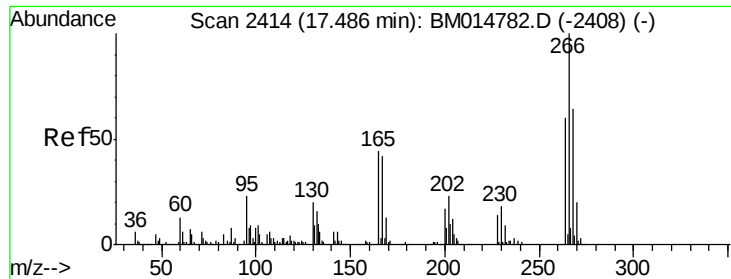
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#58
Fluorene
Concen: 9.428 ng/ul
RT: 16.16 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	77.9	116.9
167	13.5	10.6	16.0





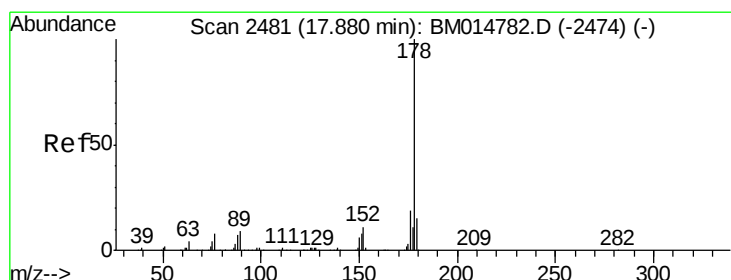
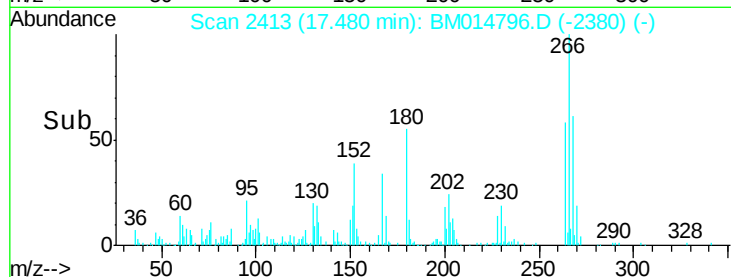
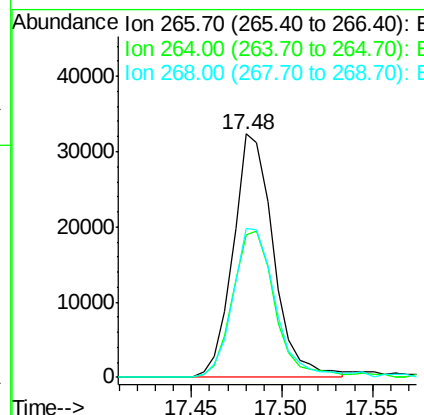
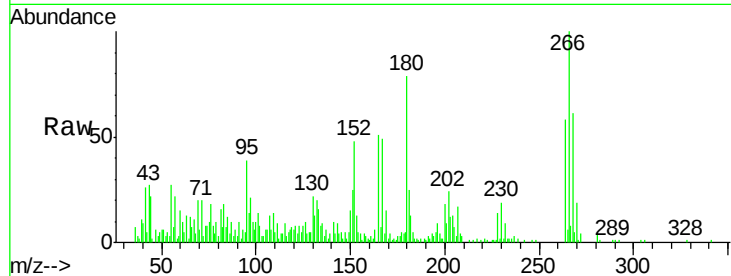
#68
 Pentachlorophenol
 Concen: 4.014 ng/ul
 RT: 17.48 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BM014796.D
 Acq: 24 Apr 2018 03:17

Instrument :
 BNA_M
 ClientSampled :
 DASP2

Tot Ion	Ratio	Lower	Upper
266	100		
264	58.3	49.3	73.9
268	61.1	52.6	78.8

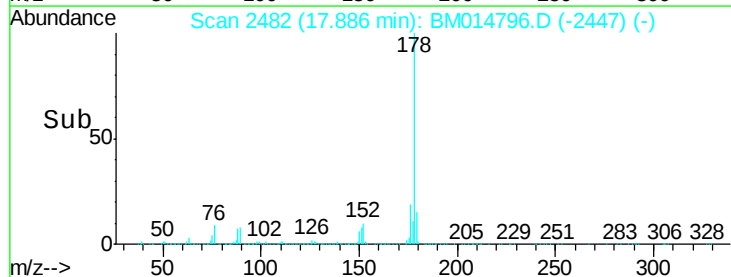
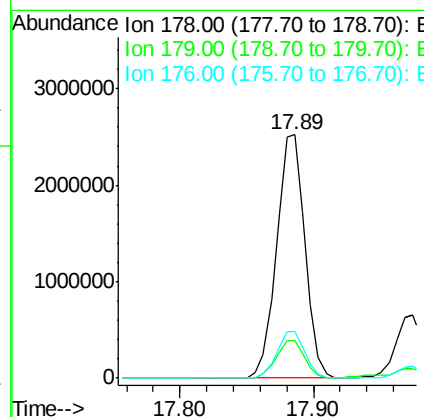
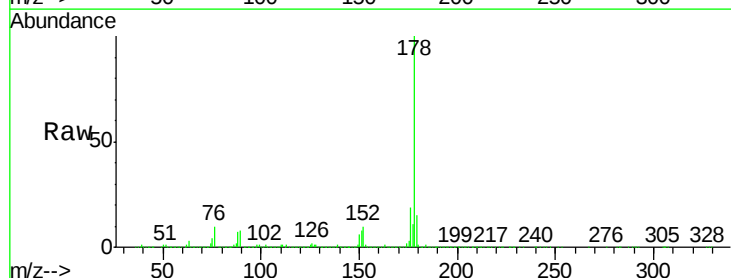
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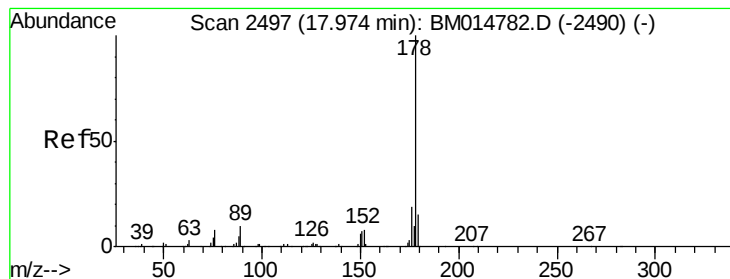
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#69
 Phenanthrene
 Concen: 38.900 ng/ul
 RT: 17.89 min Scan# 2482
 Delta R.T. 0.01 min
 Lab File: BM014796.D
 Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.6	19.0
176	19.3	14.9	22.3





#71

Anthracene

Concen: 9.700 ng/ul

RT: 17.97 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Instrument :

BNA_M

ClientSampleId :

DASP2

Tot Ion:178 Resp: 945217

Ion Ratio Lower Upper

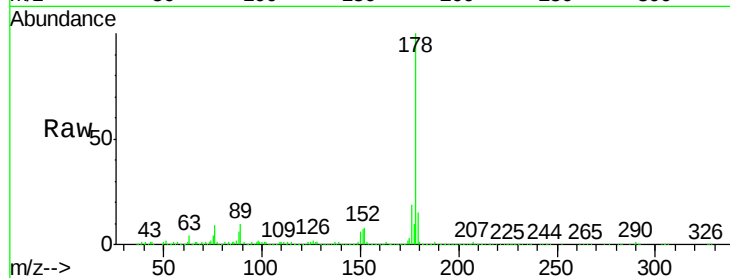
178 100

179 15.4 11.7 17.5

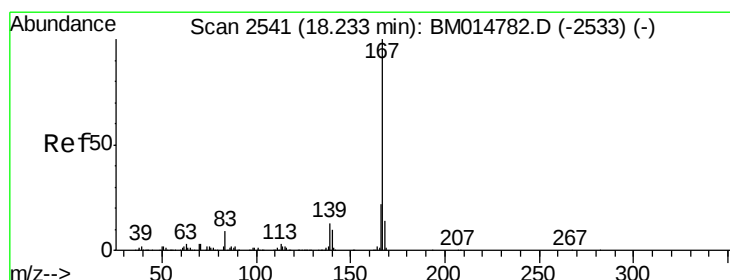
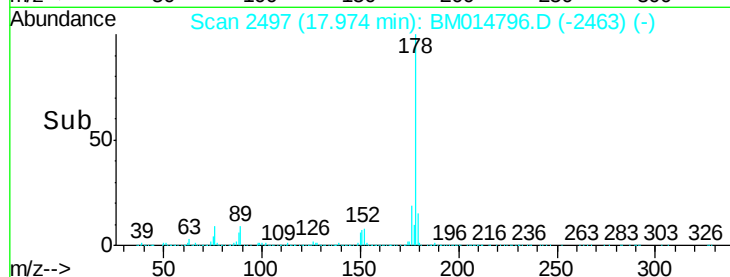
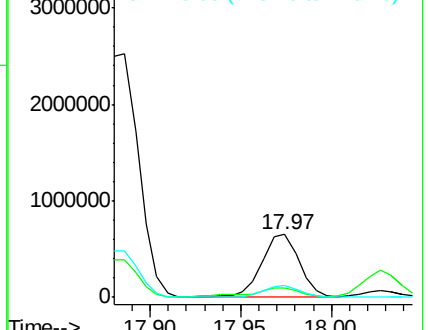
176 18.6 14.6 21.8

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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



#72

Carbazole

Concen: 2.937 ng/ul

RT: 18.23 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

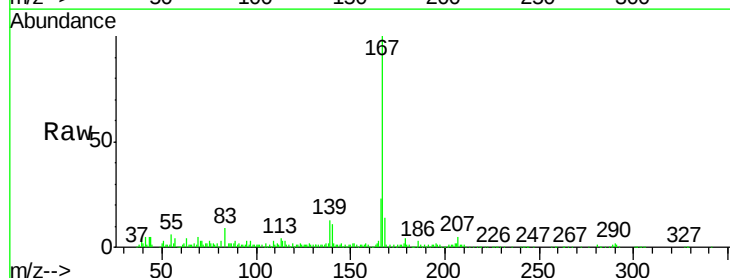
Tgt Ion:167 Resp: 244163

Ion Ratio Lower Upper

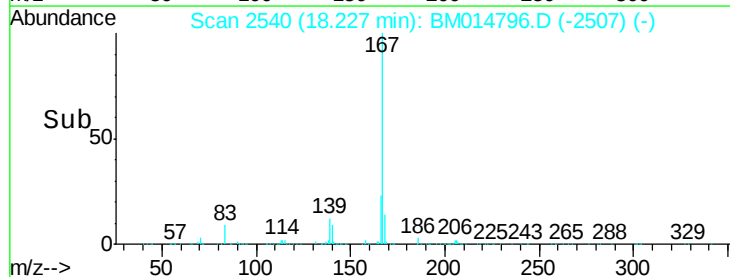
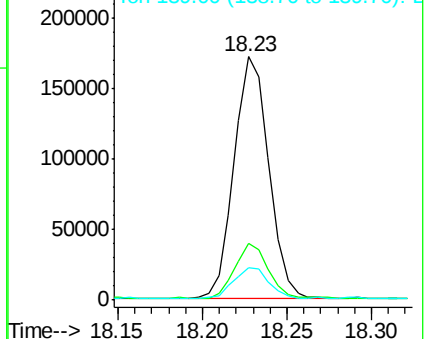
167 100

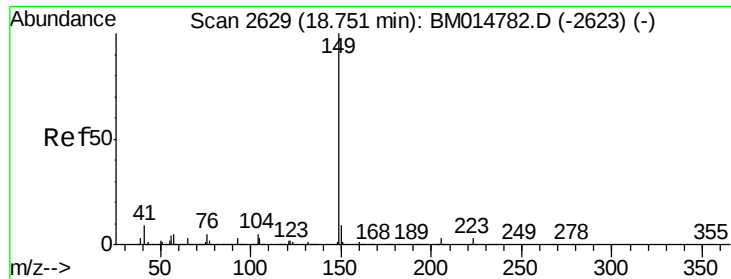
166 23.1 17.1 25.7

139 13.5 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





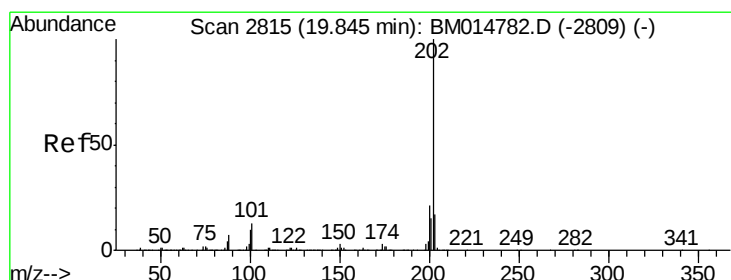
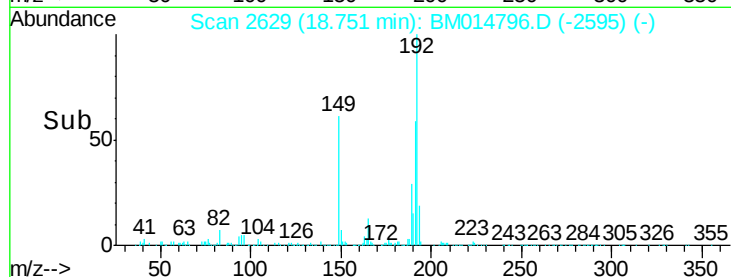
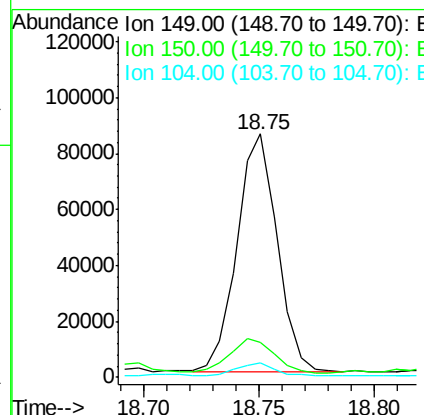
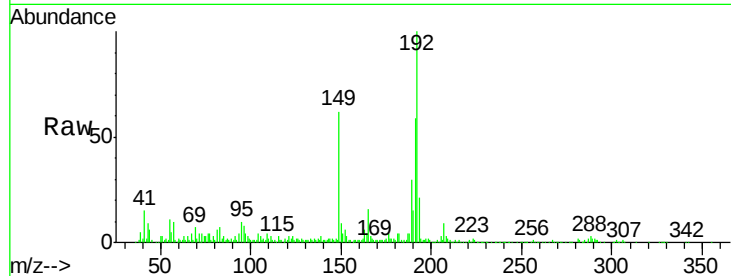
#73
Di-n-butylphthalate
Concen: 1.015 ng/ul
RT: 18.75 min Scan# 2629
Delta R.T. -0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampled :
DASP2

Tot Ion	Ratio	Lower	Upper
149	100		
150	14.2	7.1	10.7#
104	5.8	5.6	8.4

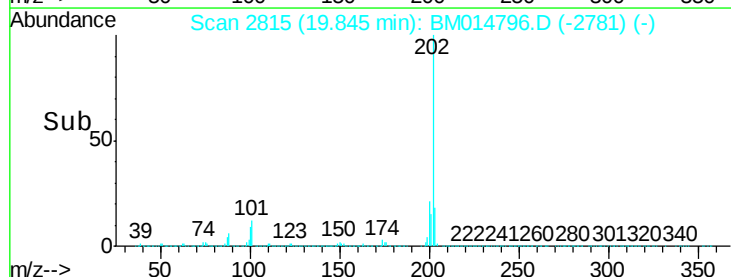
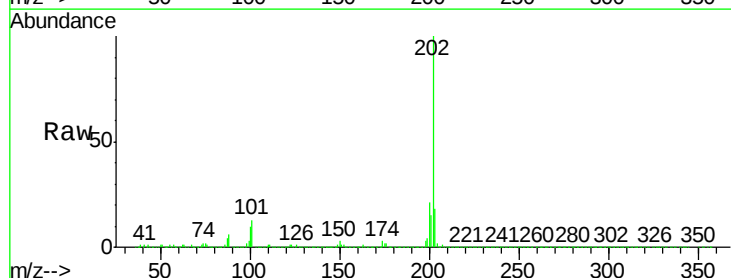
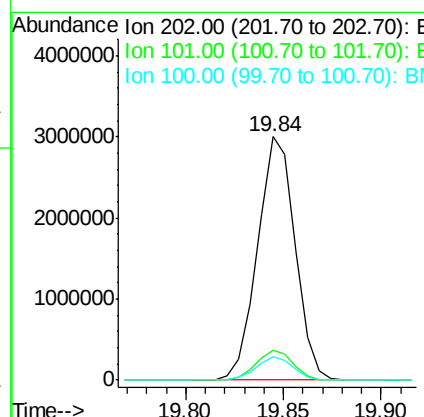
Manual Integrations
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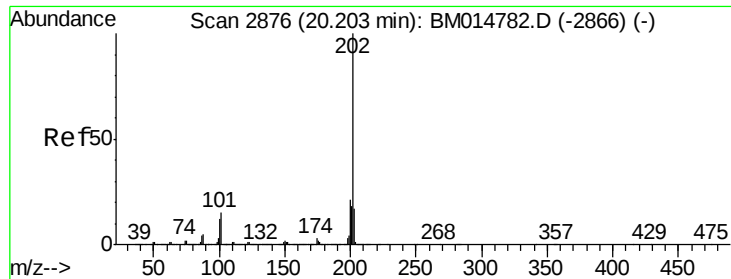
Sohil
4/24/2018 7:13:39 PM



#74
Fluoranthene
Concen: 38.103 ng/ul
RT: 19.84 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	4.6	7.0#
100	9.6	3.4	5.2#





#77

Pvrene

Concen: 28.747 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Instrument :

BNA_M

ClientSampled :

DASP2

Tot Ion:202 Resp: 2935108

Ion Ratio Lower Upper

202 100

101 14.3 5.1 7.7#

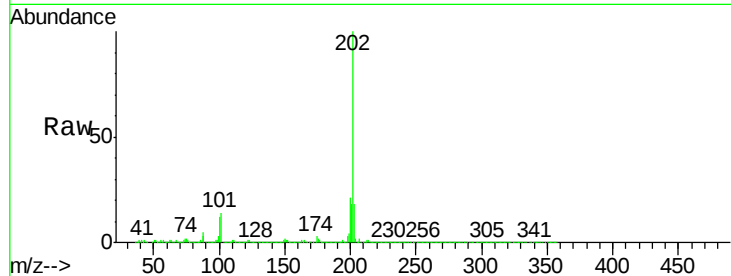
100 11.7 4.9 7.3#

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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): E

2020

2000000

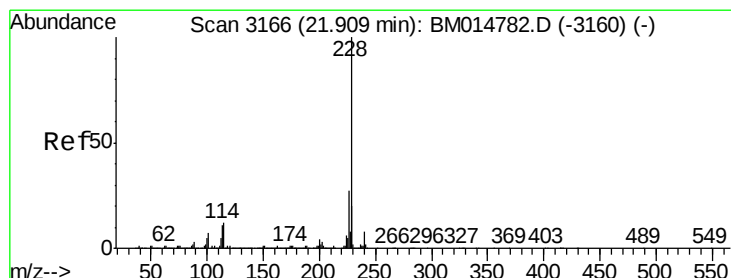
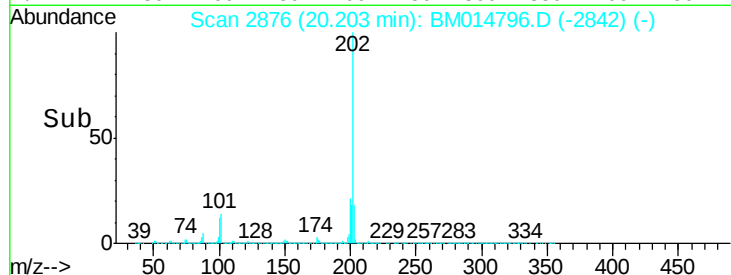
1500000

1000000

500000

0

Time--> 20.10 20.15 20.20 20.25



#80

Benzo(a)anthracene

Concen: 13.515 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

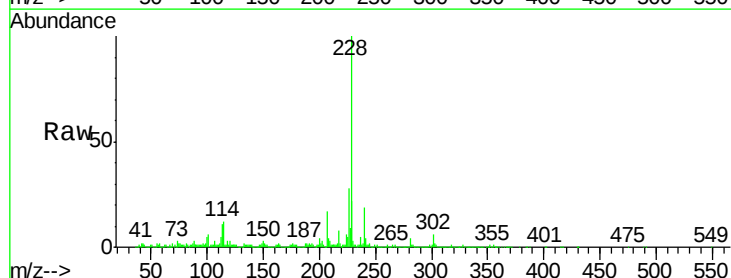
Tgt Ion:228 Resp: 1381129

Ion Ratio Lower Upper

228 100

229 22.2 15.4 23.0

226 27.9 21.4 32.0



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

1200000

1000000

800000

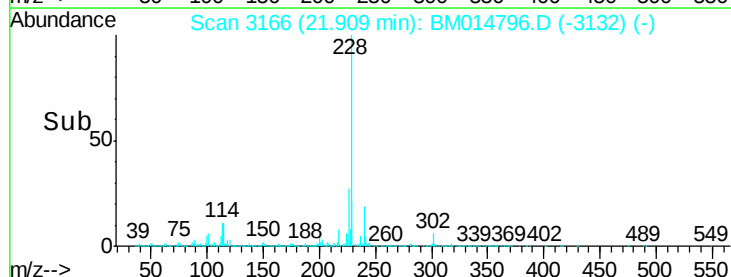
600000

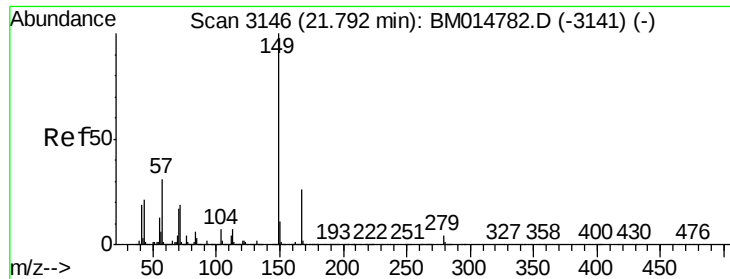
400000

200000

0

Time--> 21.85 21.90 21.95





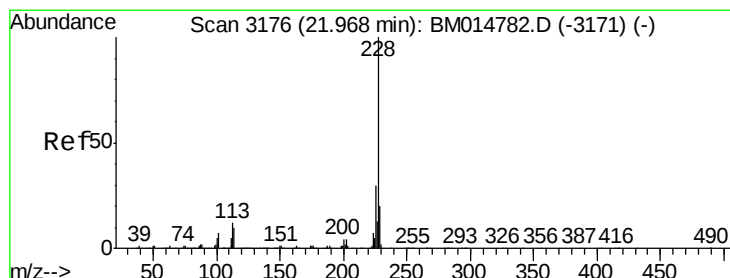
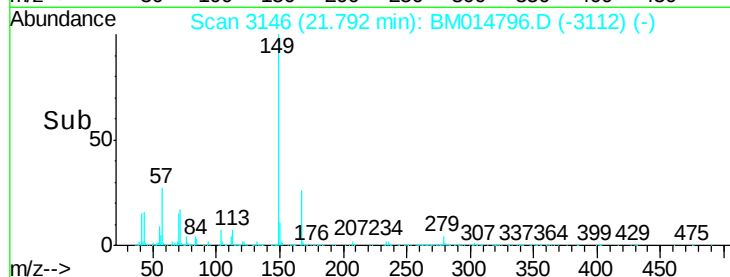
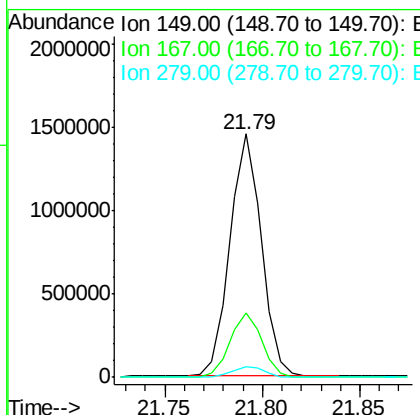
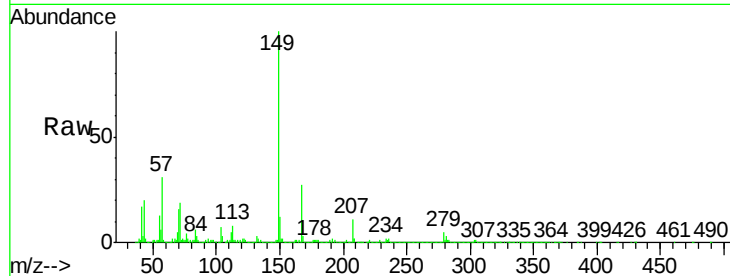
#81
Bis(2-ethylhexyl)phthalate
Concen: 26.540 ng/ul
RT: 21.79 min Scan# 3146
Delta R.T. 0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampled :
DASP2

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.8	34.2
279	4.5	4.9	7.3

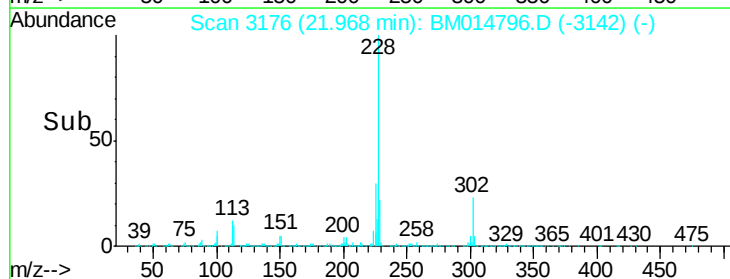
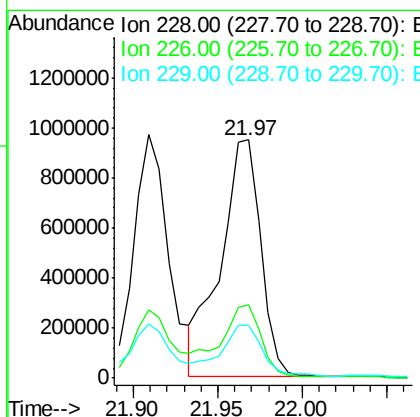
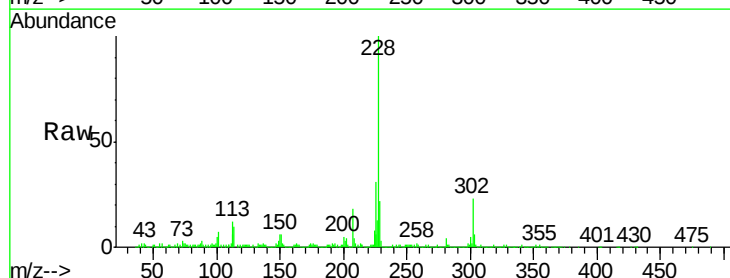
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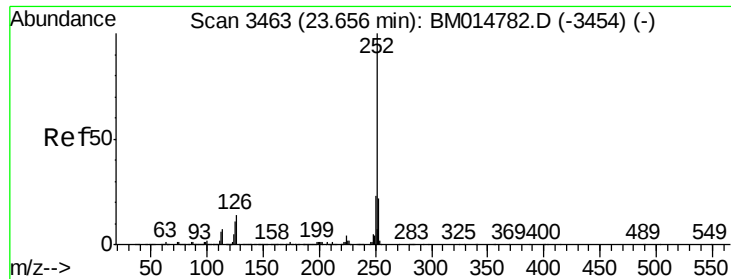
Sohil
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#82
Chrysene
Concen: 16.463 ng/ul
RT: 21.97 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.4	35.2
229	22.3	15.5	23.3





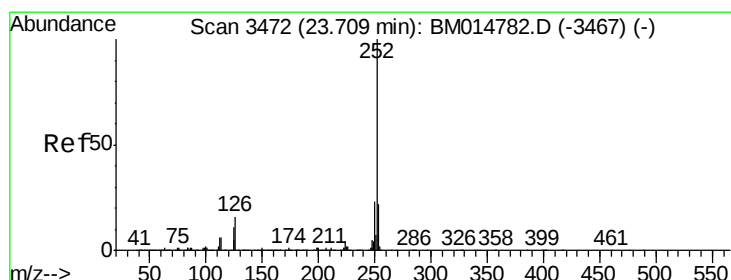
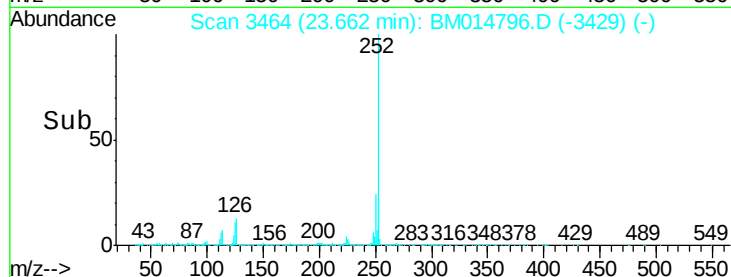
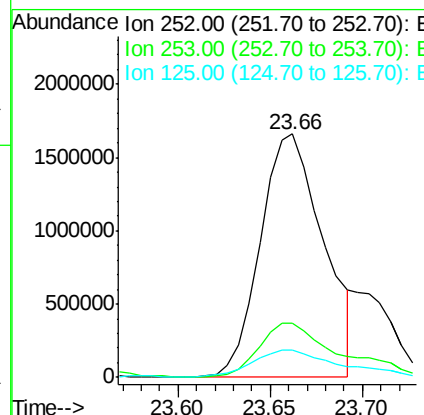
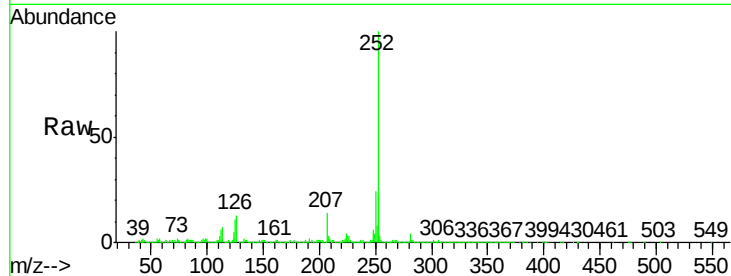
#85
Benzo(b)fluoranthene
Concen: 36.246 ng/ul m
RT: 23.66 min Scan# 3464
Delta R.T. 0.01 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampleId :
DASP2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	11.0	3.6	5.4

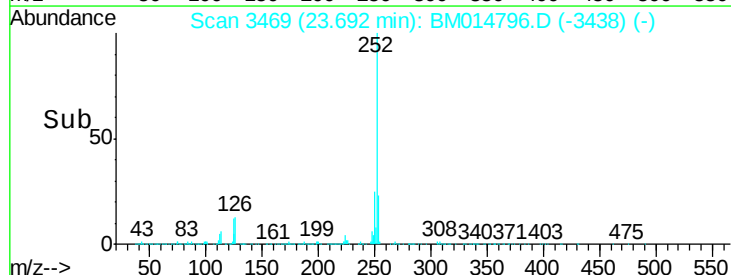
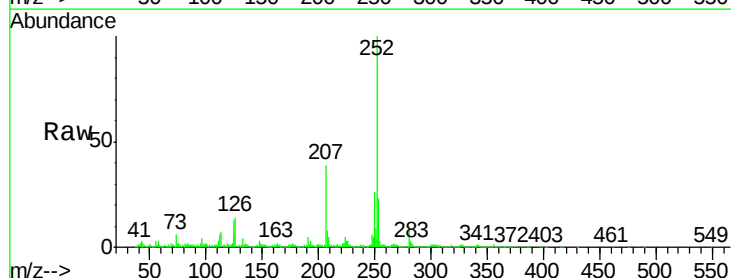
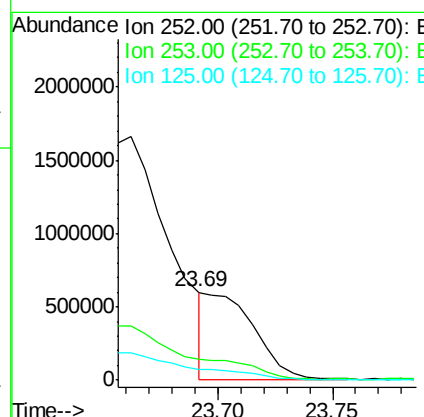
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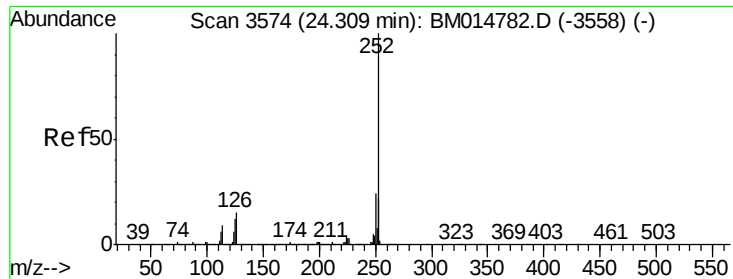
Sohil
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#86
Benzo(k)fluoranthene
Concen: 8.287 ng/ul m
RT: 23.69 min Scan# 3469
Delta R.T. -0.02 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	12.6	3.4	5.2





#88

Benzo(a)pyrene

Concen: 22.623 ng/ul

RT: 24.32 min Scan# 3575

Delta R.T. 0.01 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Instrument :

BNA_M

ClientSampled :

DASP2

Tot Ion:252 Resp: 2326130

Ion Ratio Lower Upper

252 100

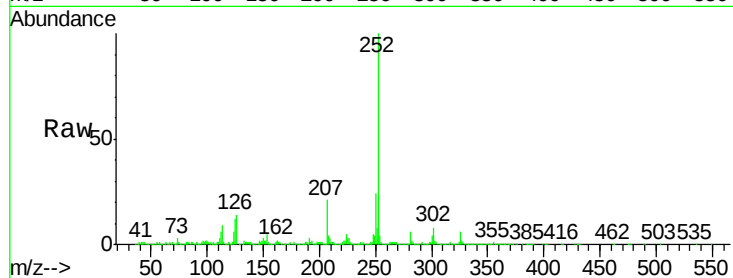
253 22.7 18.2 27.2

125 11.8 4.0 6.0#

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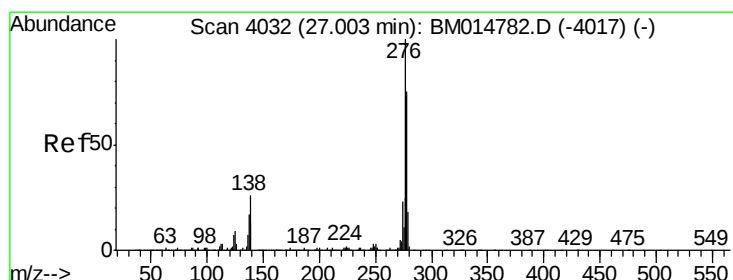
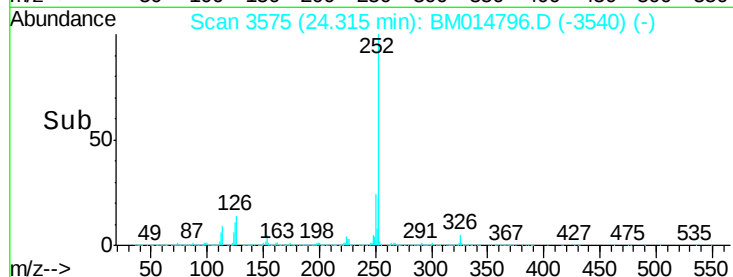
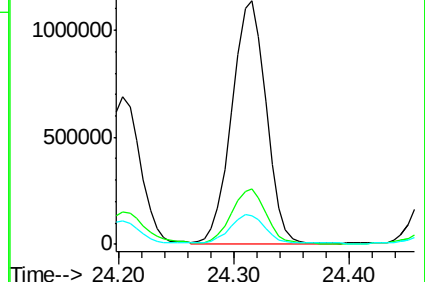
4/24/2018 7:13:39 PM



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

Indeno(1,2,3-cd)pyrene

Concen: 10.743 ng/ul

RT: 27.00 min Scan# 4032

Delta R.T. -0.00 min

Lab File: BM014796.D

Acq: 24 Apr 2018 03:17

Tgt Ion:276 Resp: 1336253

Ion Ratio Lower Upper

276 100

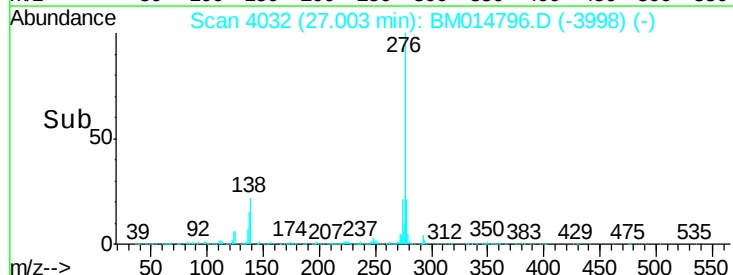
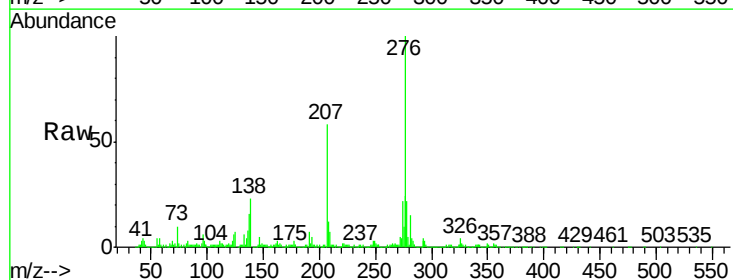
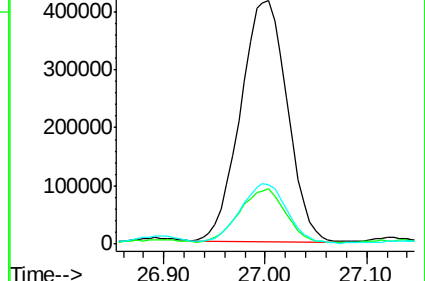
138 22.9 9.3 13.9#

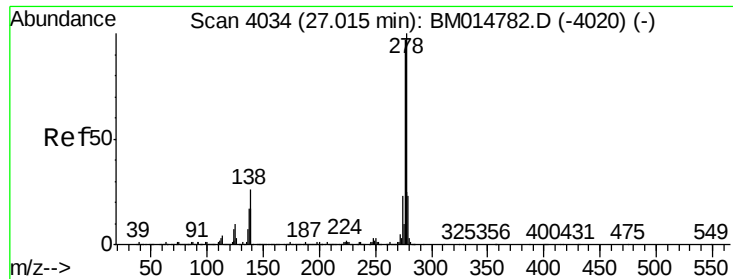
277 24.3 19.9 29.9

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





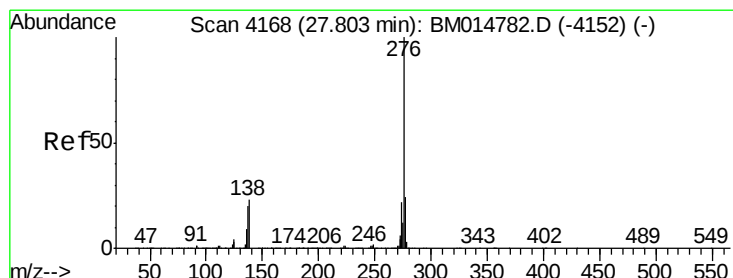
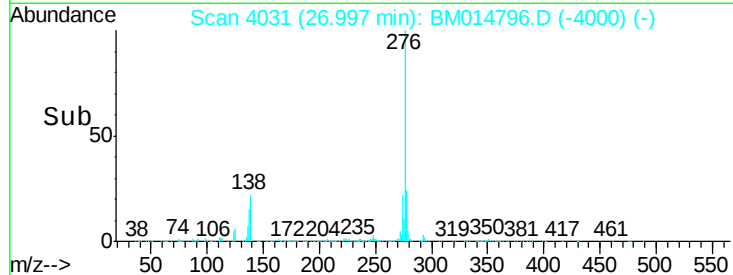
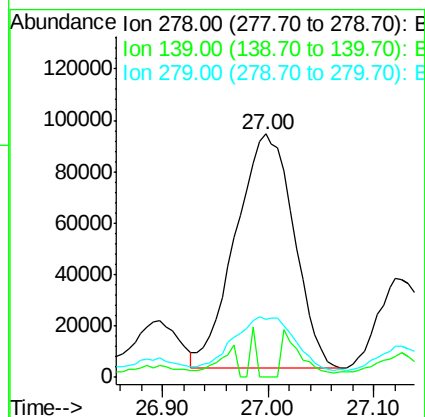
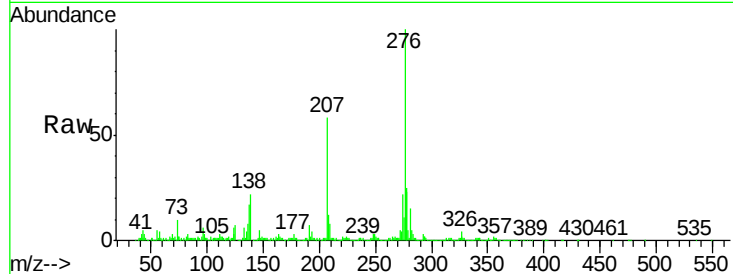
#90
Dibenzo(a,h)anthracene
Concen: 3.337 ng/ul
RT: 27.00 min Scan# 4031
Delta R.T. -0.02 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Instrument :
BNA_M
ClientSampleId :
DASP2

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	23.9	18.6	27.8

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#91
Benzo(g,h,i)perylene
Concen: 9.325 ng/ul
RT: 27.80 min Scan# 4167
Delta R.T. -0.01 min
Lab File: BM014796.D
Acq: 24 Apr 2018 03:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	8.5	12.7#
277	24.0	18.6	28.0

