

Data Path : Z:\HPCHEM1\BNA_N\Data\BN032118\
 Data File : BN000518.D
 Acq On : 21 Mar 2018 14:09
 Operator : JU/SJ
 Sample : J1905-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM45

Manual Integrations
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Quant Time: Mar 26 09:31:38 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 22 01:34:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	228766	20.00	ng/ul	0.01
18) Naphthalene-d8	11.27	136	835351	20.00	ng/ul	0.02
35) Acenaphthene-d10	15.05	164	399896	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.82	188	710574m	20.00	ng/ul	0.07
75) Chrysene-d12	21.90	240	613903	20.00	ng/ul	0.01
83) Perylene-d12	24.38	264	658436	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.60	96	27298	4.26	ng/uL	0.00
5) Phenol-d5	7.59	99	145967	6.84	ng/ul	0.04
7) Bis-(2-Chloroethyl)ether-d	7.73	67	180408	14.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.95	132	179316	11.11	ng/ul	0.02
13) 4-Methylphenol-d8	9.15	113	150438	9.05	ng/ul	0.03
19) Nitrobenzene-d5	9.61	128	95727	14.11	ng/ul	0.01
22) 2-Nitrophenol-d4	10.34	143	88644	12.61	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.90	165	174031	13.81	ng/ul	0.04
29) 4-Chloroaniline-d4	11.37	131	215497	16.66	ng/ul	-0.01
43) Dimethylphthalate-d6	14.44	166	413555	13.09	ng/ul	0.02
46) Acenaphthylene-d8	14.75	160	544409	13.06	ng/ul	0.02
51) 4-Nitrophenol-d4	15.25	143	74189	12.65	ng/ul	0.04
57) Fluorene-d10	16.04	176	342444	12.72	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	16.18	200	143735m	35.32	ng/ul	0.05
70) Anthracene-d10	17.91	188	404073	11.83	ng/ul	0.05
76) Pyrene-d10	20.14	212	422587	12.47	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.22	264	376258	12.11	ng/ul	0.02

Target Compounds

					Qvalue	
6) Phenol	7.62	94	116065	5.330	ng/ul#	32
21) Isophorone	10.18	82	749591	23.479	ng/ul#	63
28) Naphthalene	11.32	128	637988	14.543	ng/ul#	91
34) 2-Methylnaphthalene	12.91	142	1458435	49.797	ng/ul	100
38) 2,4,6-Trichlorophenol	13.51	196	41777	5.126	ng/ul	99
39) 2,4,5-Trichlorophenol	13.60	196	61028	7.182	ng/ul	99
40) 1,1'-Biphenyl	13.88	154	139787	4.106	ng/ul#	75
49) Acenaphthene	15.12	153	200910	7.217	ng/ul#	88
55) 2,3,4,6-Tetrachlorophenol	15.71	232	4841034	746.071	ng/ul#	75
58) Fluorene	16.10	166	285124	9.489	ng/ul#	90
68) Pentachlorophenol	17.49	266	22637031m	5606.783	ng/ul	
69) Phenanthrene	17.87	178	2000066	48.858	ng/ul	96
71) Anthracene	17.95	178	411059m	9.793	ng/ul	
72) Carbazole	18.20	167	188397	5.234	ng/ul#	68
74) Fluoranthene	19.81	202	1923863	47.295	ng/ul#	85
77) Pyrene	20.17	202	1754358	39.126	ng/ul#	81
80) Benzo(a)anthracene	21.88	228	322597	7.887	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.75	149	153038	4.733	ng/ul	91
82) Chrysene	21.94	228	297981m	7.771	ng/ul	
84) Di-n-octyl phthalate	22.71	149	97648	1.762	ng/ul	100
85) Benzo(b)fluoranthene	23.62	252	213485	5.131	ng/ul#	75
86) Benzo(k)fluoranthene	23.67	252	77393m	1.927	ng/ul	
88) Benzo(a)pyrene	24.27	252	132651	3.388	ng/ul#	72

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DAM45

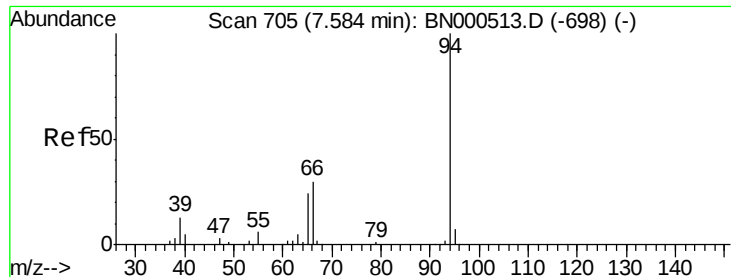
Manual Integrations
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Quant Time: Mar 26 09:31:38 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Mar 22 01:34:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 5.330 ng/ul

RT: 7.62 min Scan# 711

Delta R.T. 0.04 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

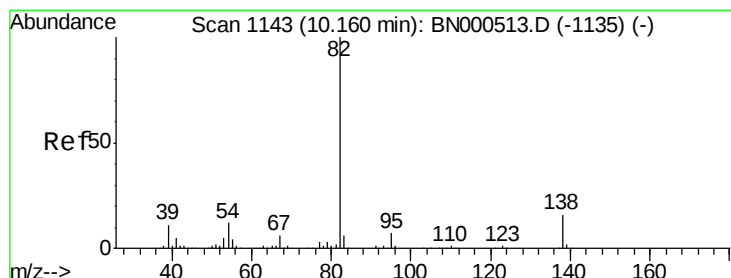
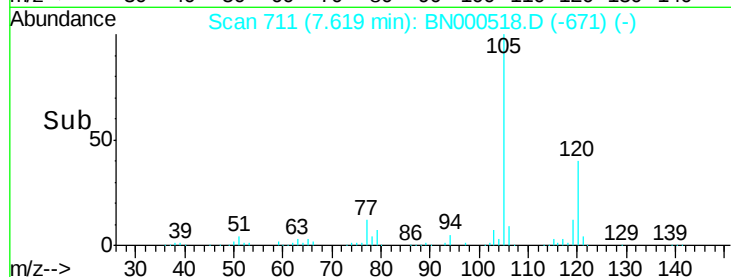
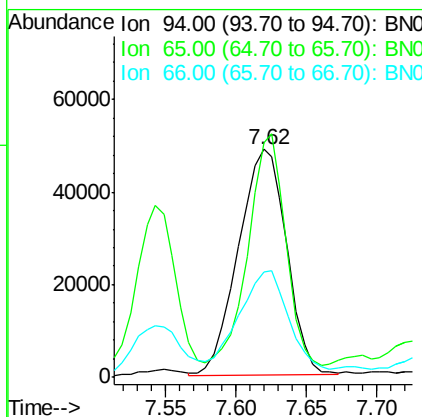
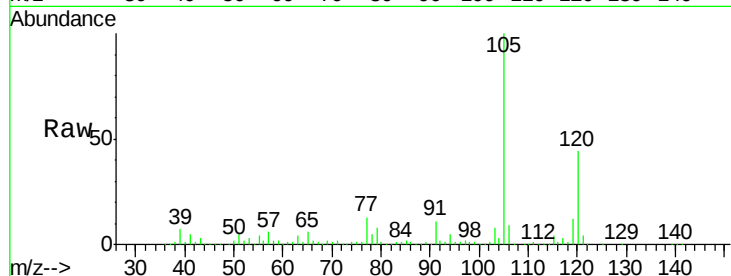
ClientSampleId :

DAM45

Tgt Ion:	94	Resp:	116065
Ion Ratio		Lower	Upper
94	100		
65	103.0	23.0	34.6#
66	46.5	30.4	45.6#

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#21

Isophorone

Concen: 23.479 ng/ul

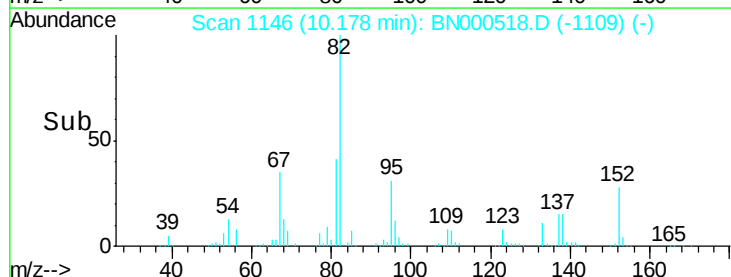
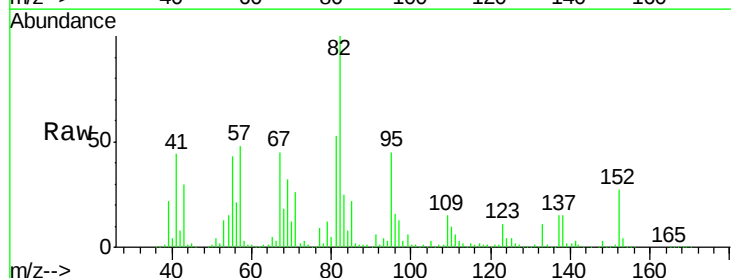
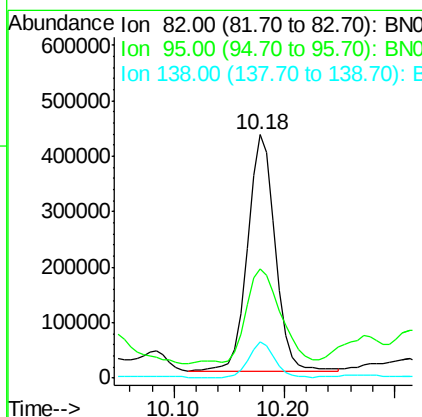
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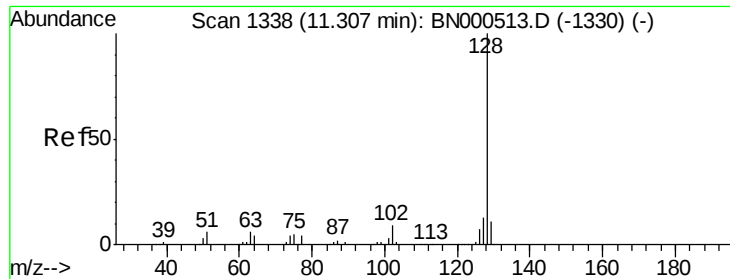
Delta R.T. 0.02 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Tgt Ion:	82	Resp:	749591
Ion Ratio		Lower	Upper
82	100		
95	45.0	6.1	9.1#
138	14.8	13.5	20.3





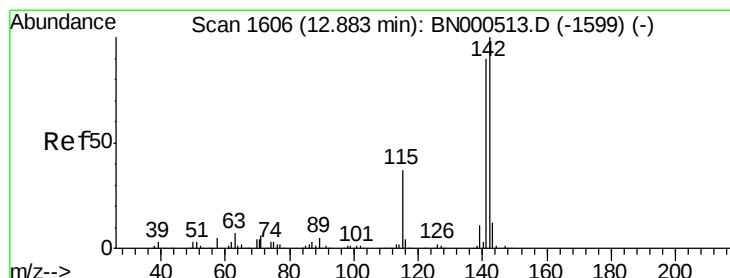
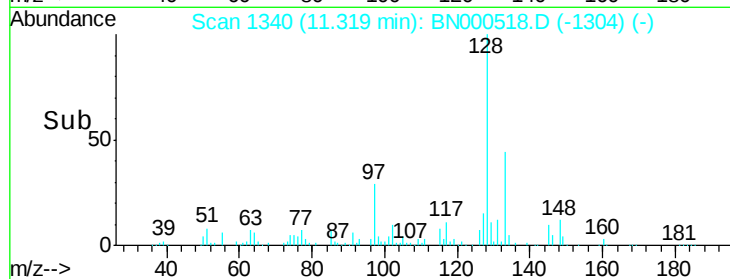
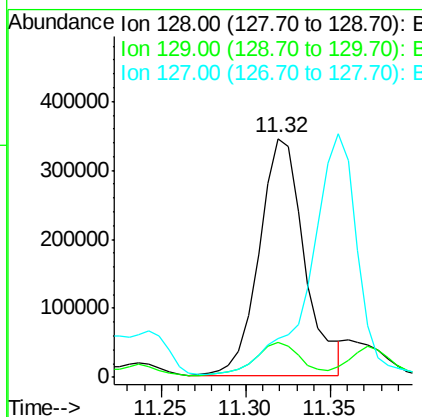
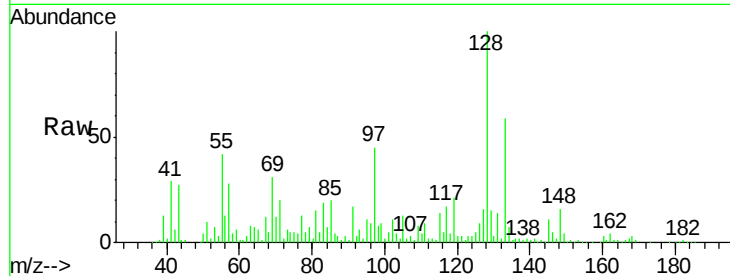
#28
Naphthalene
Concen: 14.543 ng/ul
RT: 11.32 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Instrument :
BNA_N
ClientSampleId :
DAM45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.7	8.3	12.5#
127	16.3	10.8	16.2#

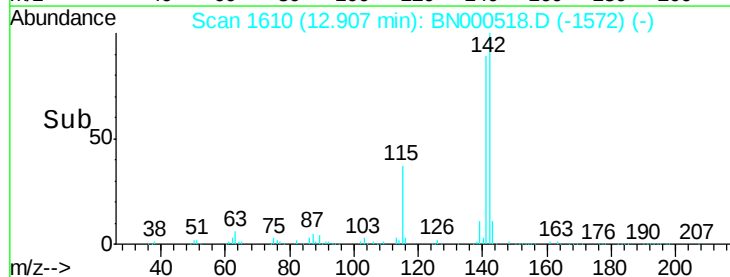
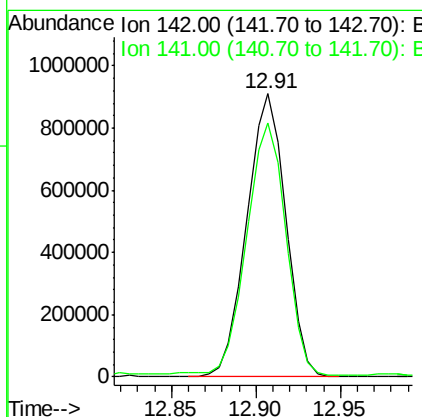
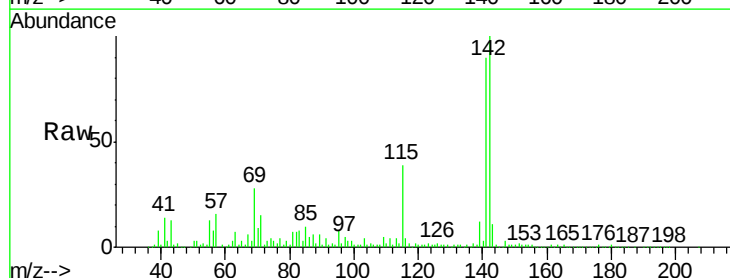
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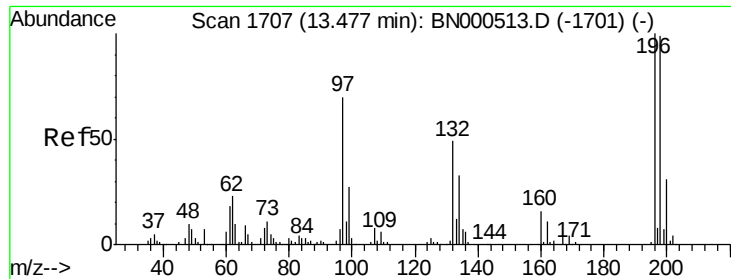
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#34
2-Methylnaphthalene
Concen: 49.797 ng/ul
RT: 12.91 min Scan# 1610
Delta R.T. 0.02 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.4	107.2





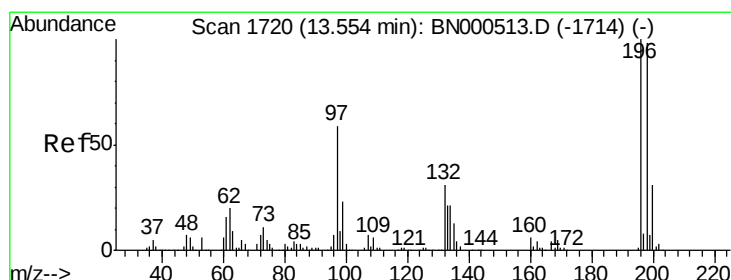
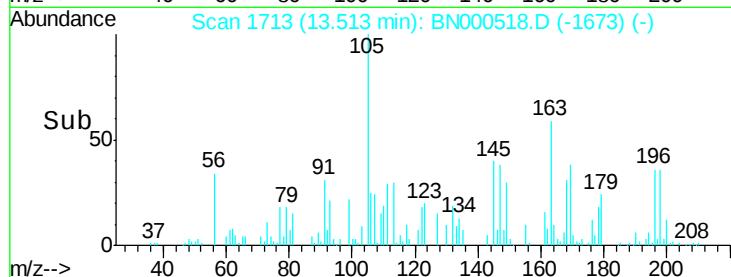
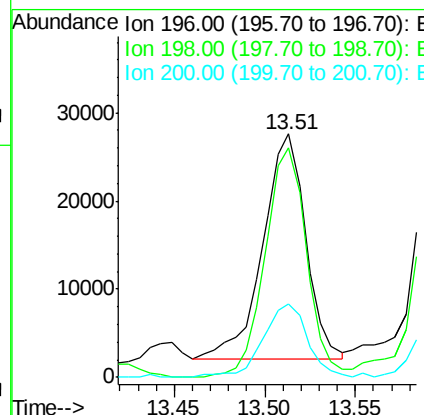
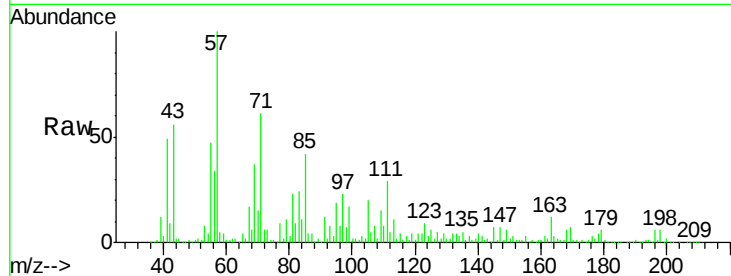
#38
 2,4,6-Trichlorophenol
 Concen: 5.126 ng/ul
 RT: 13.51 min Scan# 1713
 Delta R.T. 0.04 min
 Lab File: BN000518.D
 Acq: 21 Mar 2018 14:09

Instrument :
 BNA_N
 ClientSampled :
 DAM45

Tgt Ion	Ratio	Lower	Upper
196	100		
198	94.5	75.9	113.9
200	30.2	25.8	38.6

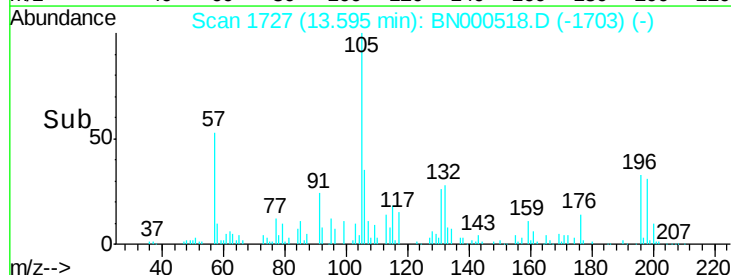
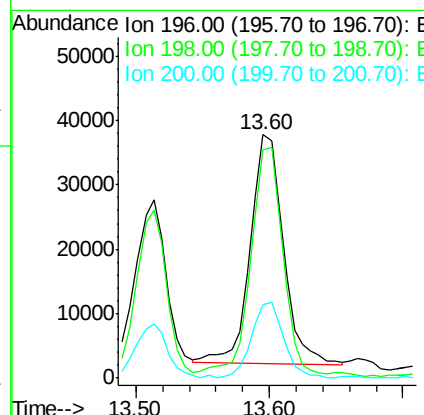
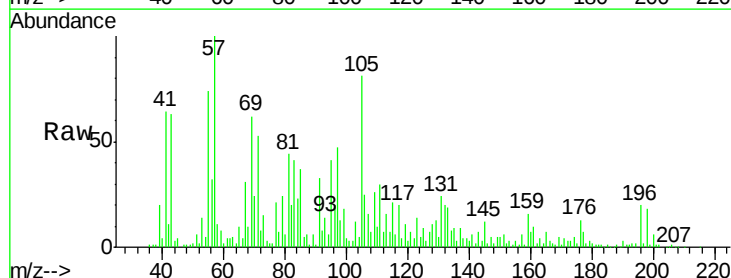
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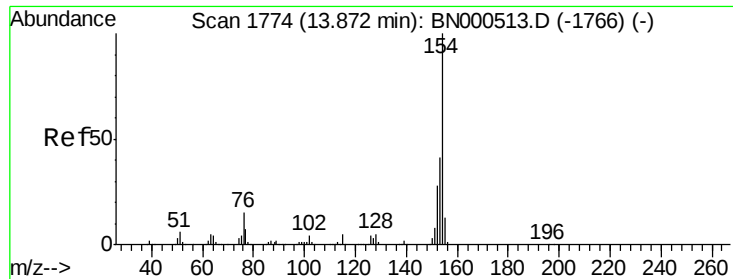
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#39
 2,4,5-Trichlorophenol
 Concen: 7.182 ng/ul
 RT: 13.60 min Scan# 1727
 Delta R.T. 0.04 min
 Lab File: BN000518.D
 Acq: 21 Mar 2018 14:09

Tgt Ion	Ratio	Lower	Upper
196	100		
198	93.8	74.7	112.1
200	30.0	25.4	38.0





#40

1,1'-Biphenyl

Concen: 4.106 ng/ul

RT: 13.88 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

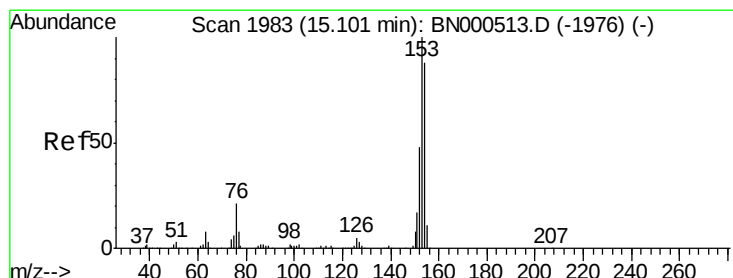
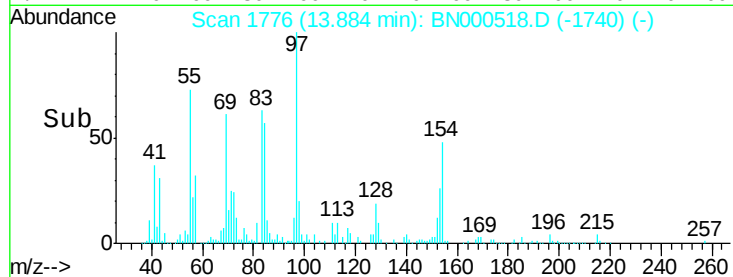
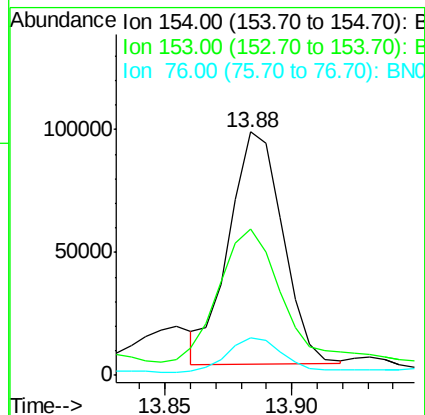
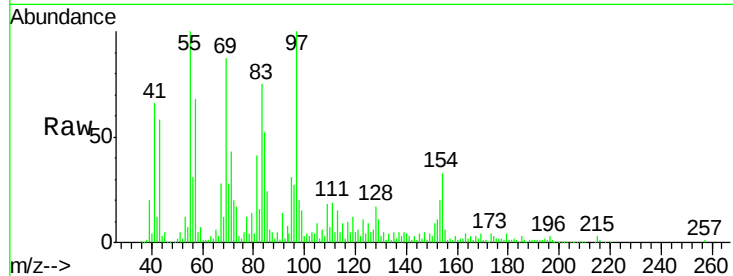
ClientSampled :

DAM45

Tgt Ion:	154	Resp:	139787
Ion Ratio	Lower	Upper	
154	100		
153	60.3	34.0	51.0#
76	15.3	8.4	12.6#

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#49

Acenaphthene

Concen: 7.217 ng/ul

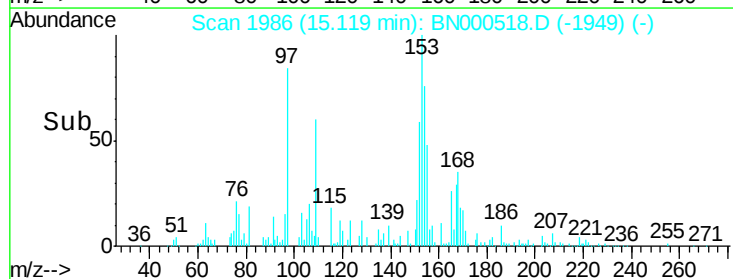
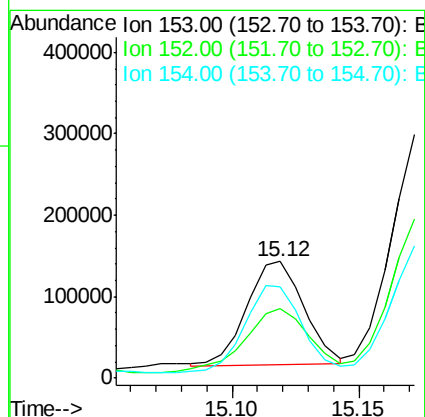
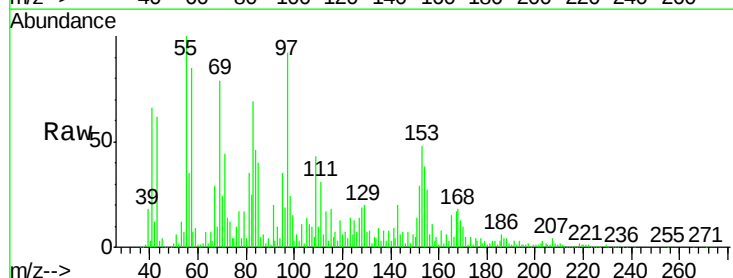
RT: 15.12 min Scan# 1986

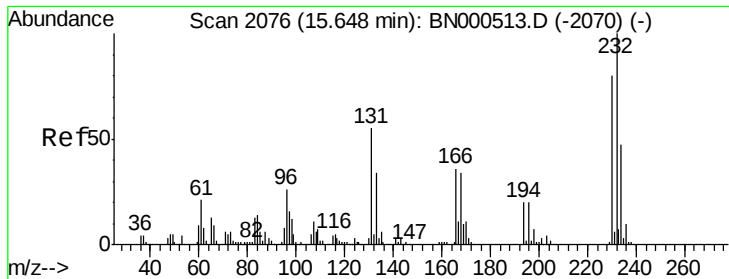
Delta R.T. 0.02 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Tgt Ion:	153	Resp:	200910
Ion Ratio	Lower	Upper	
153	100		
152	59.7	37.9	56.9#
154	78.7	69.8	104.6





#55

2,3,4,6-Tetrachlorophenol

Concen: 746.071 ng/ul

RT: 15.71 min Scan# 2087

Delta R.T. 0.07 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

ClientSampled :

DAM45

Tgt Ion:232 Resp: 4841034

Ion Ratio Lower Upper

232 100

131 37.2 48.0 72.0#

130 2.9 4.0 6.0#

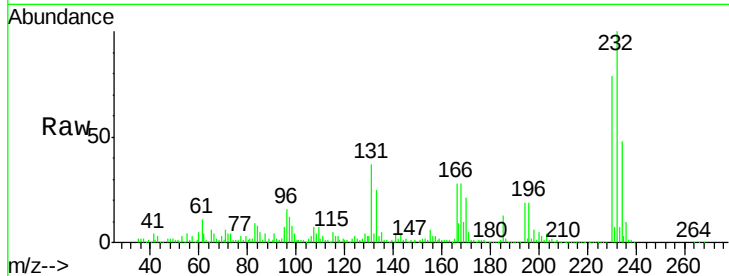
166 28.1 32.0 48.0#

Manual Integrations

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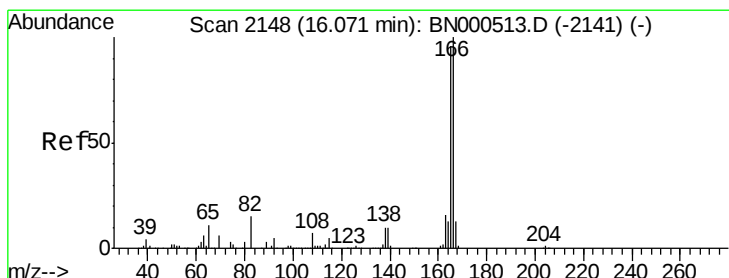
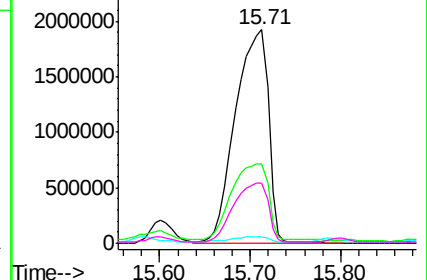
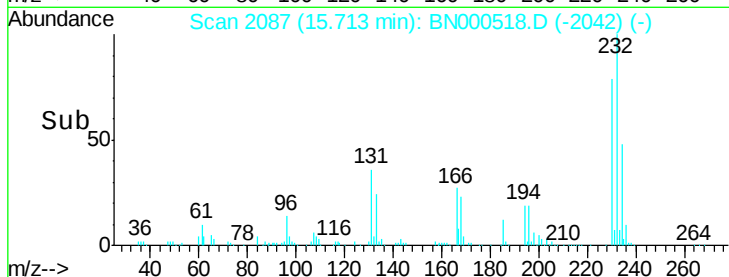


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#58

Fluorene

Concen: 9.489 ng/ul

RT: 16.10 min Scan# 2152

Delta R.T. 0.02 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

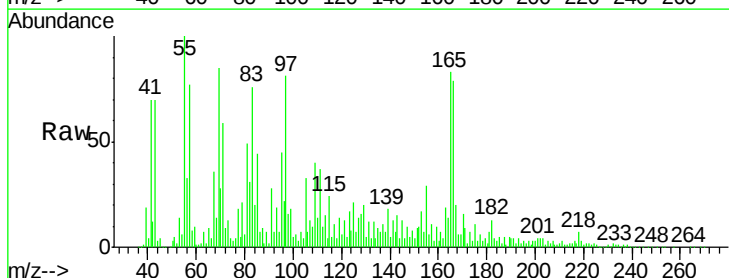
Tgt Ion:166 Resp: 285124

Ion Ratio Lower Upper

166 100

165 105.2 78.4 117.6

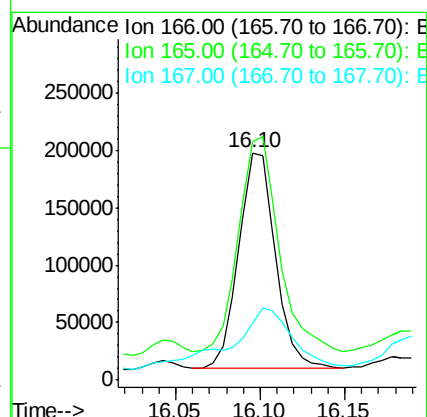
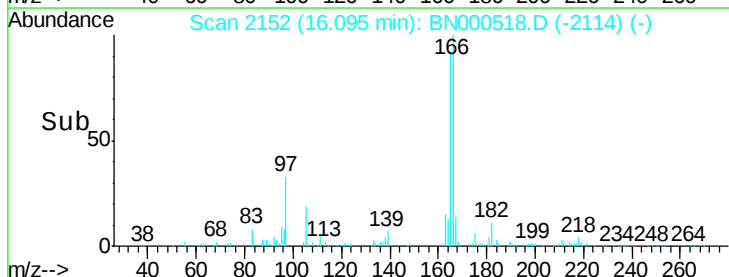
167 25.2 11.1 16.7#

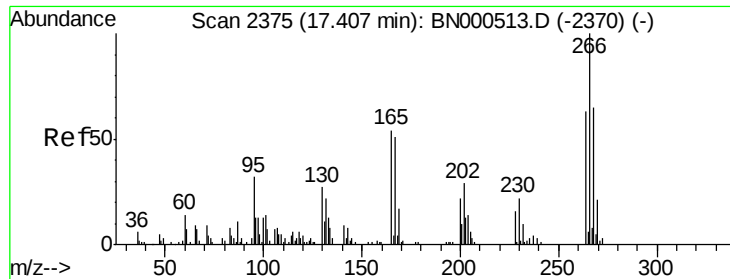


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





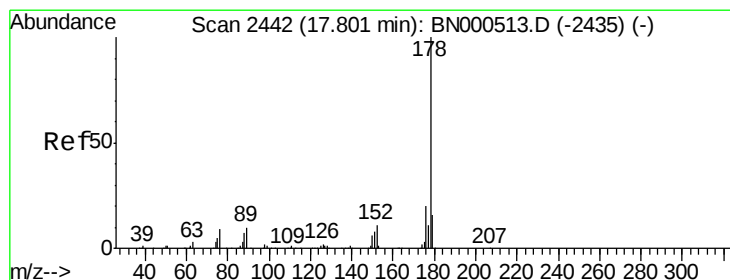
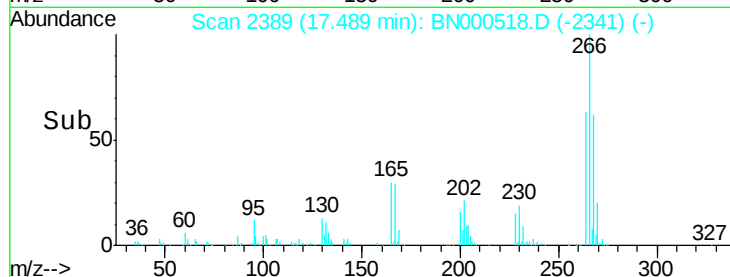
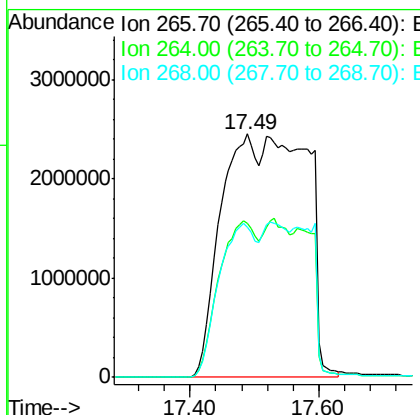
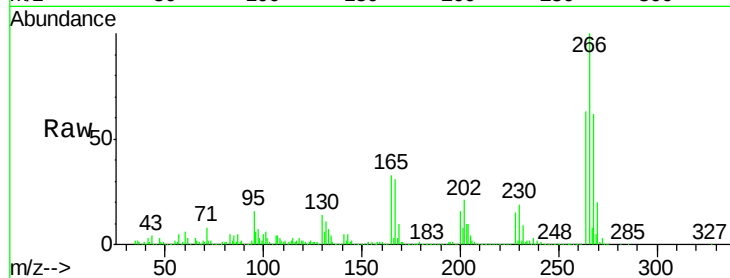
#68
 Pentachlorophenol
 Concen: 5606.783 ng/ul m
 RT: 17.49 min Scan# 2389
 Delta R.T. 0.08 min
 Lab File: BN000518.D
 Acq: 21 Mar 2018 14:09

Instrument :
 BNA_N
 ClientSampleId :
 DAM45

Tgt Ion:266 Resp:22637031
 Ion Ratio Lower Upper
 266 100
 264 63.2 48.2 72.4
 268 61.9 52.3 78.5

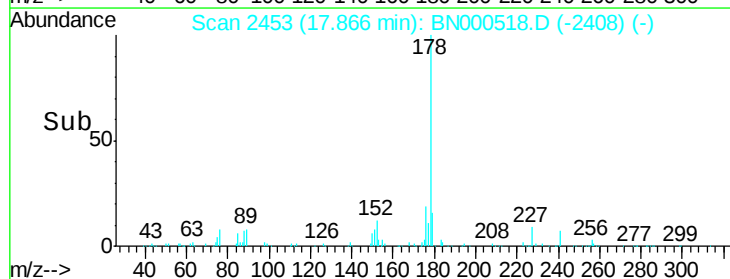
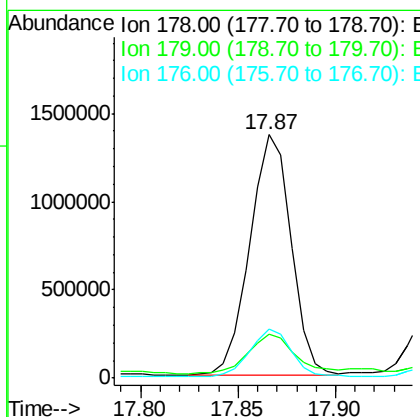
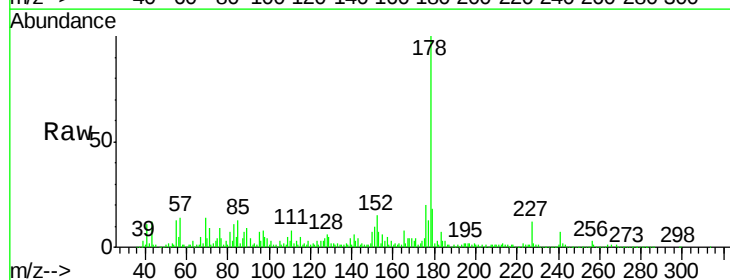
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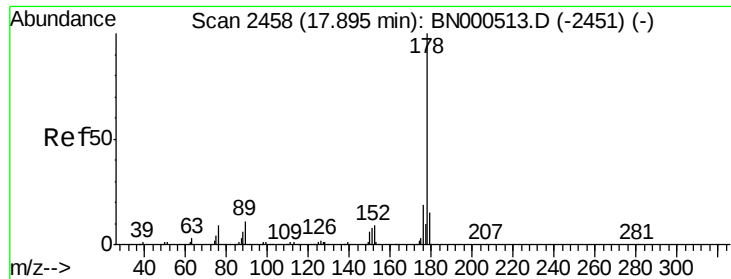
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#69
 Phenanthrene
 Concen: 48.858 ng/ul
 RT: 17.87 min Scan# 2453
 Delta R.T. 0.07 min
 Lab File: BN000518.D
 Acq: 21 Mar 2018 14:09

Tgt Ion:178 Resp: 2000066
 Ion Ratio Lower Upper
 178 100
 179 18.2 12.3 18.5
 176 20.1 15.4 23.0





#71

Anthracene

Concen: 9.793 ng/ul m

RT: 17.95 min Scan# 2467

Delta R.T. 0.05 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

ClientSampleId :

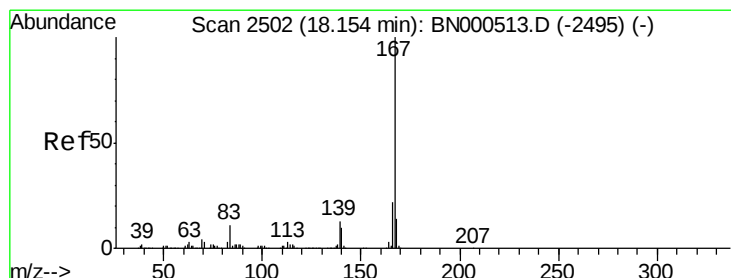
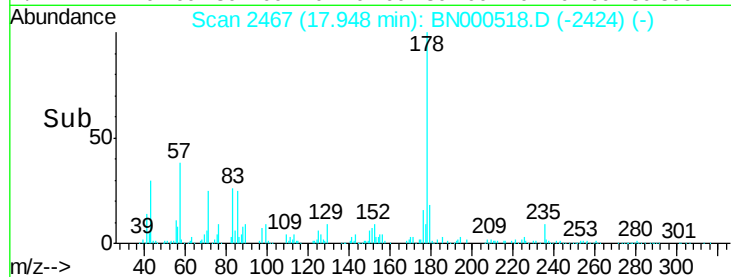
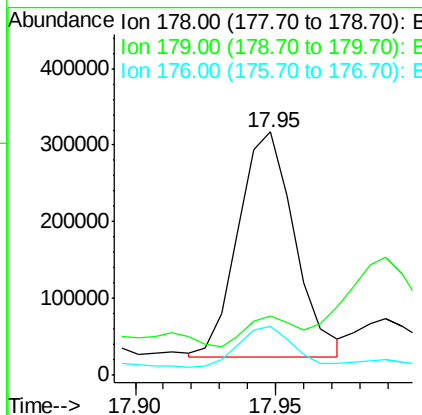
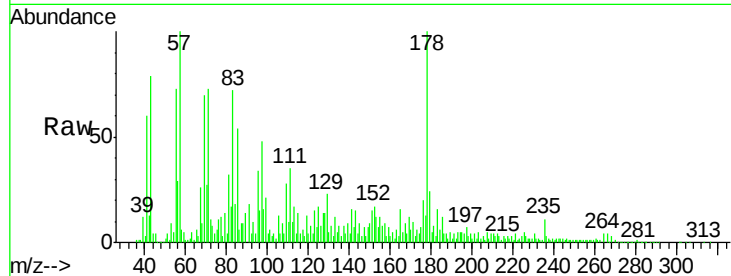
DAM45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	24.3	13.4	20.2#
176	20.3	15.4	23.0

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#72

Carbazole

Concen: 5.234 ng/ul

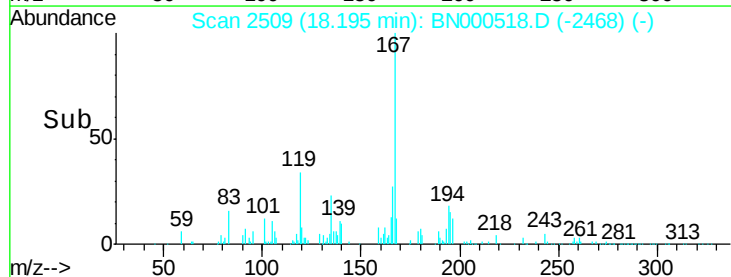
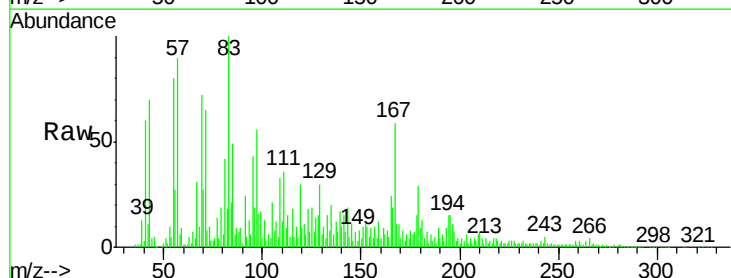
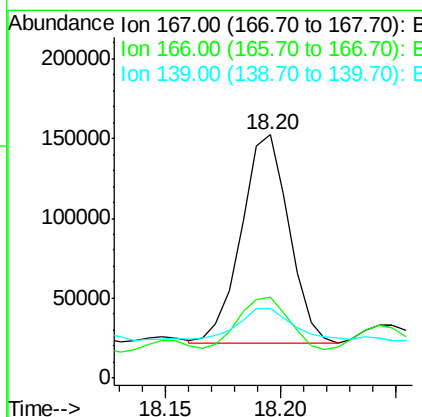
RT: 18.20 min Scan# 2509

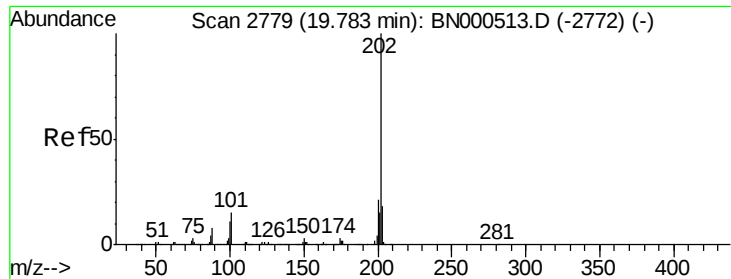
Delta R.T. 0.04 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Tgt Ion	Ratio	Lower	Upper
167	100		
166	33.0	17.0	25.4#
139	28.4	9.1	13.7#





#74

Fluoranthene

Concen: 47.295 ng/ul

RT: 19.81 min Scan# 2783

Delta R.T. 0.02 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

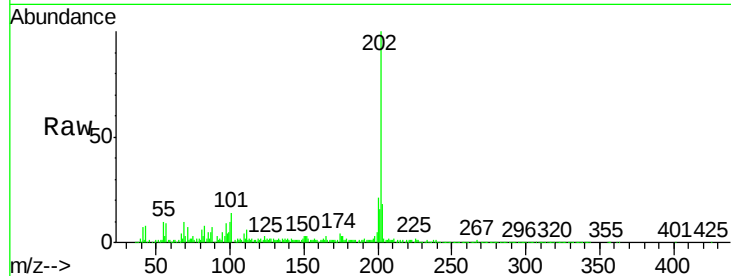
ClientSampleId :

DAM45

Tgt Ion:	202	Resp:	1923863
Ion Ratio	Lower	Upper	
202	100		
101	13.5	6.1	9.1#
100	9.9	4.6	7.0#

Manual Integrations
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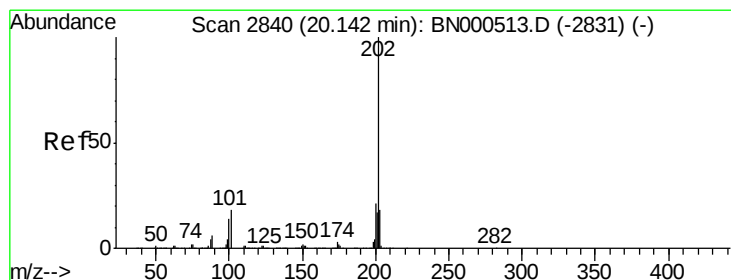
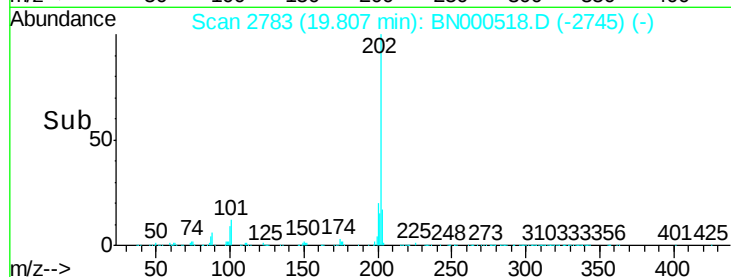
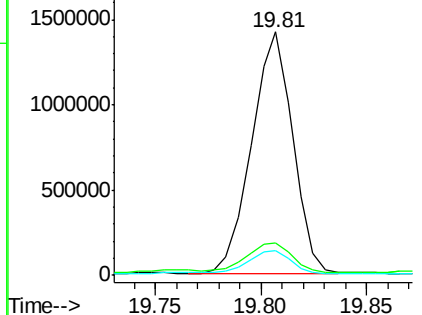
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 39.126 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. 0.02 min

Lab File: BN000518.D

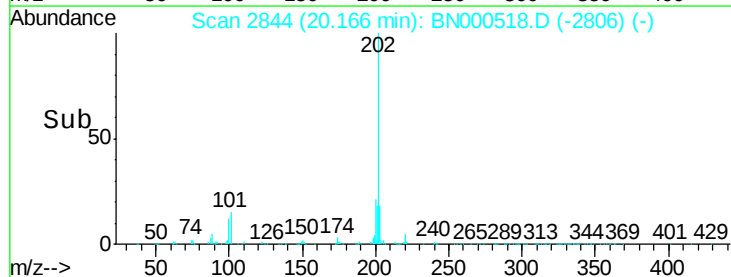
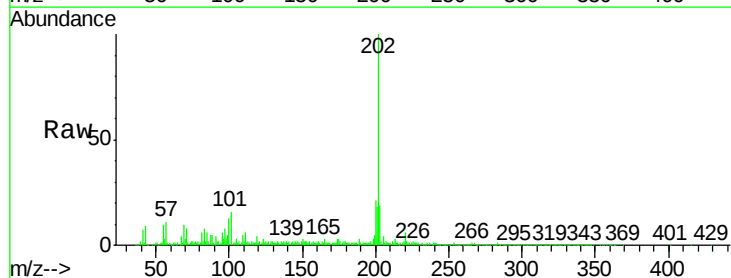
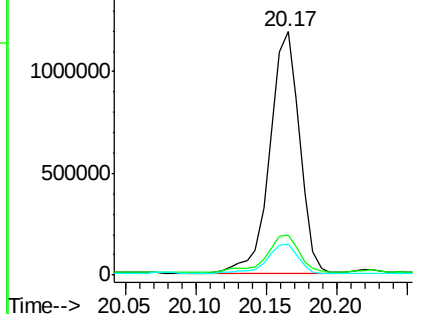
Acq: 21 Mar 2018 14:09

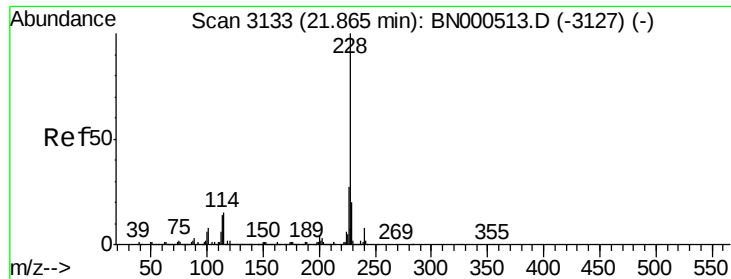
Tgt Ion:	202	Resp:	1754358
Ion Ratio	Lower	Upper	
202	100		
101	16.3	6.9	10.3#
100	12.7	5.6	8.4#

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





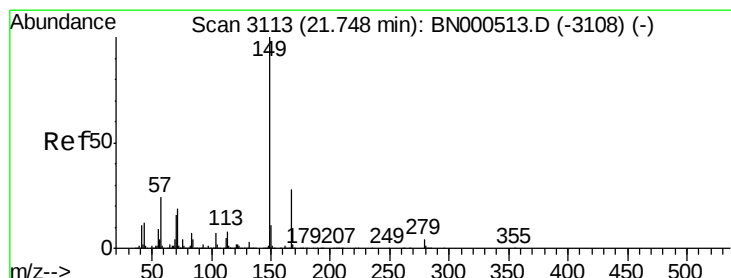
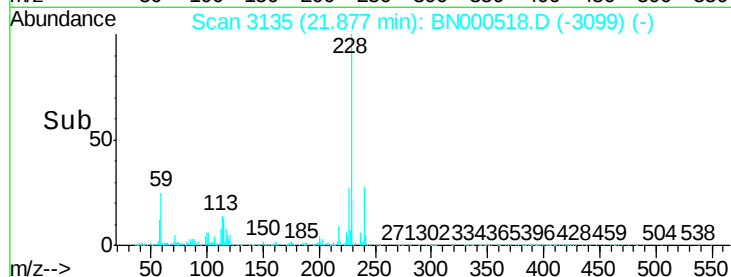
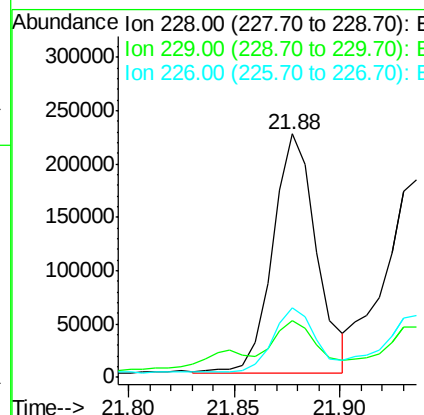
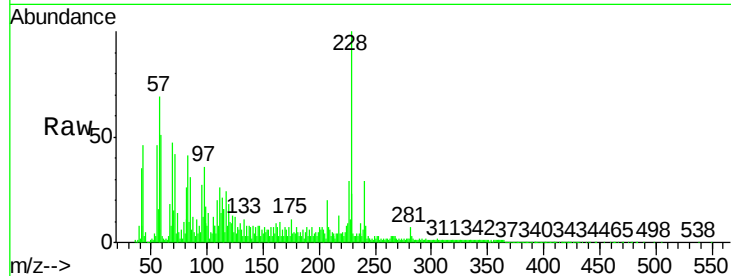
#80
Benzo(a)anthracene
Concen: 7.887 ng/ul
RT: 21.88 min Scan# 3135
Delta R.T. 0.01 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Instrument :
BNA_N
ClientSampleId :
DAM45

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.4	16.0	24.0
226	28.8	21.8	32.8

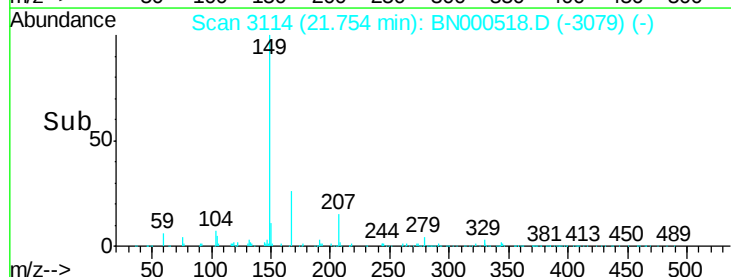
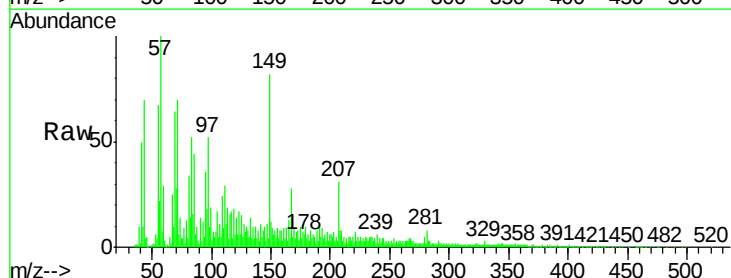
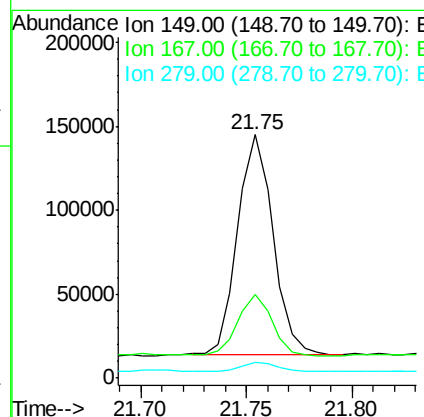
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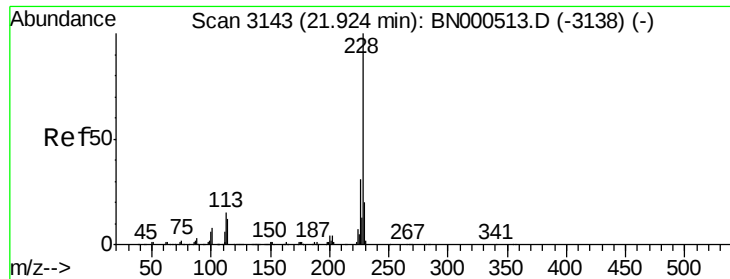
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#81
Bis(2-ethylhexyl)phthalate
Concen: 4.733 ng/ul
RT: 21.75 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	34.1	23.0	34.6
279	6.3	4.3	6.5





#82

Chrysene

Concen: 7.771 ng/u1 m

RT: 21.94 min Scan# 3145

Delta R.T. 0.01 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

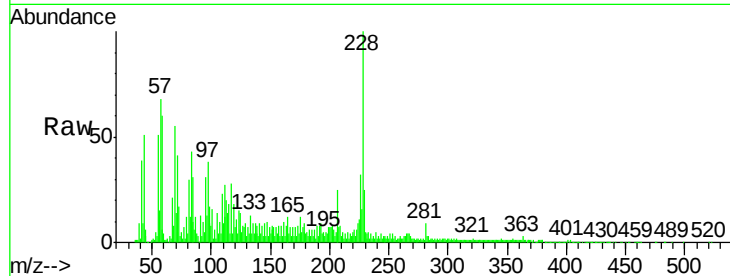
ClientSampleId :

DAM45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	25.5	16.0	24.0

Manual Integrations
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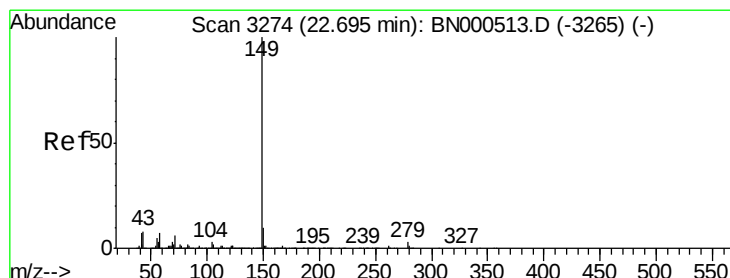
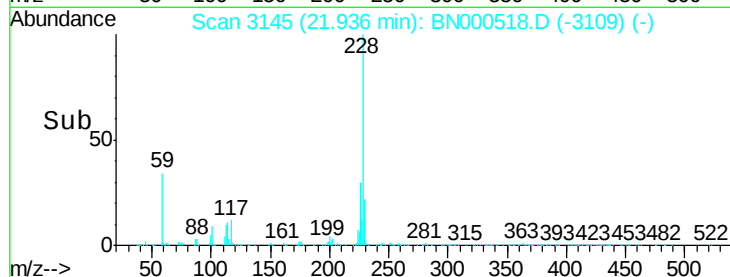
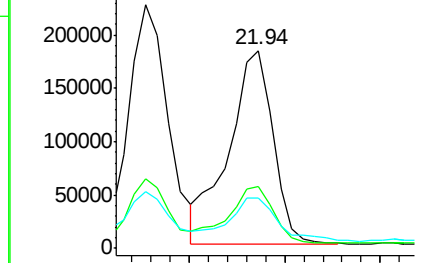
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Di-n-octyl phthalate

Concen: 1.762 ng/u1

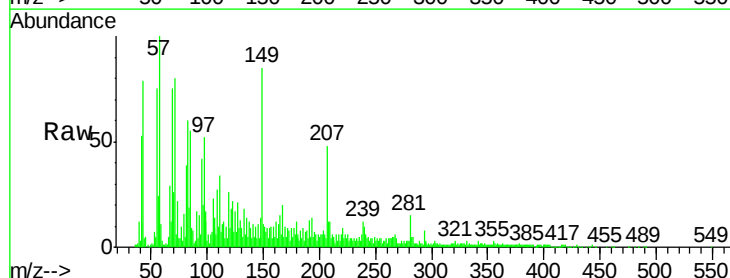
RT: 22.71 min Scan# 3276

Delta R.T. 0.01 min

Lab File: BN000518.D

Acq: 21 Mar 2018 14:09

Tgt Ion:149 Resp: 97648



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

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Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

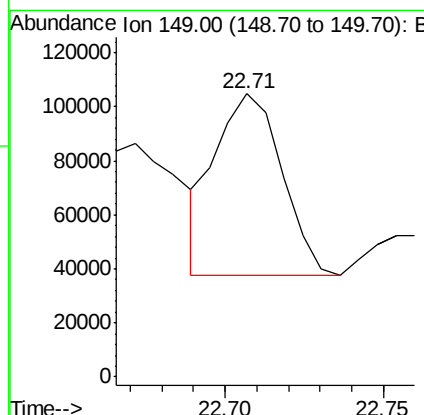
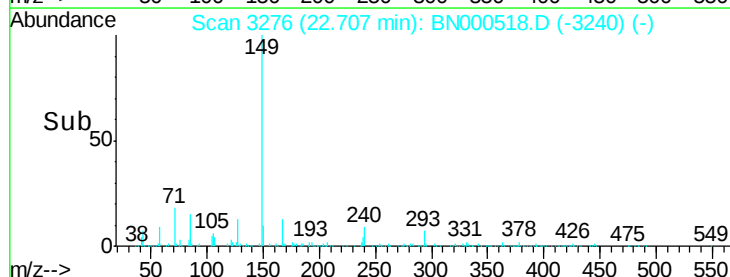
Ion 149.00 (148.70 to 149.70): E

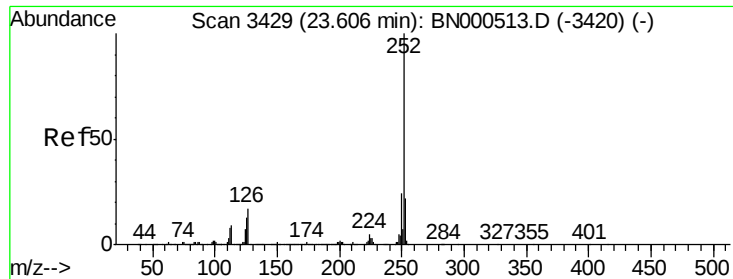
Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E

Ion 149.00 (148.70 to 149.70): E





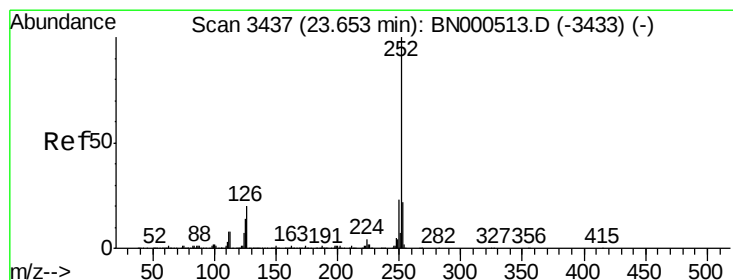
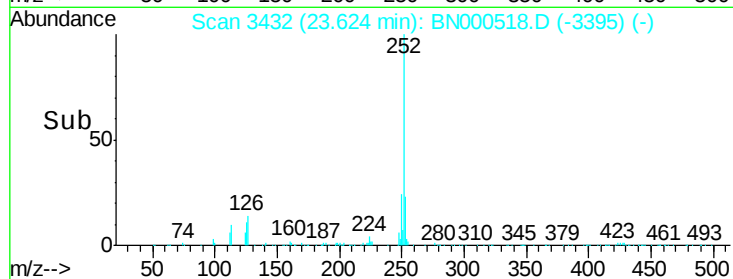
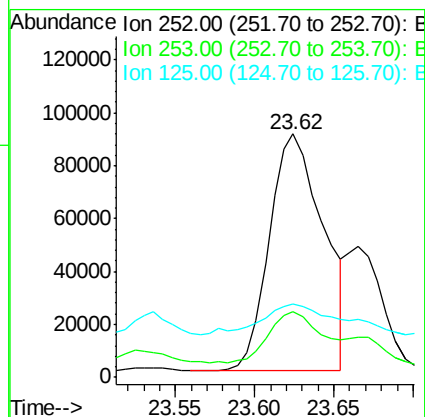
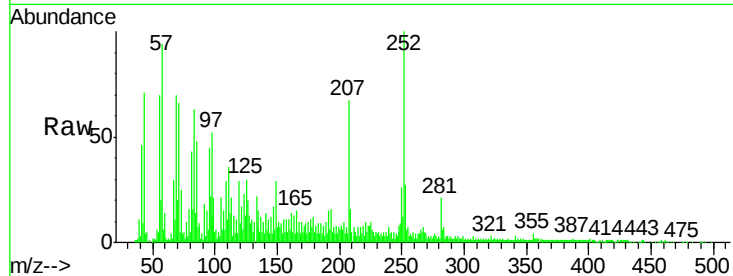
#85
Benzo(b)fluoranthene
Concen: 5.131 ng/ul
RT: 23.62 min Scan# 3432
Delta R.T. 0.02 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Instrument :
BNA_N
ClientSampleId :
DAM45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.4	26.0#
125	30.3	4.9	7.3#

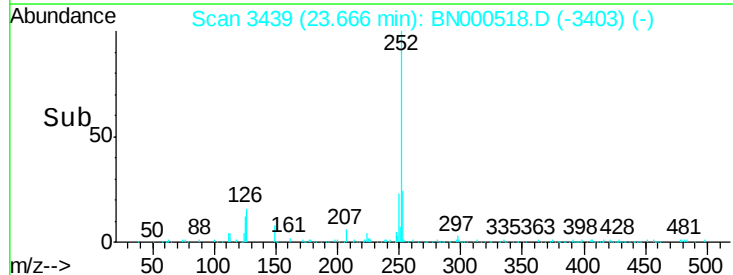
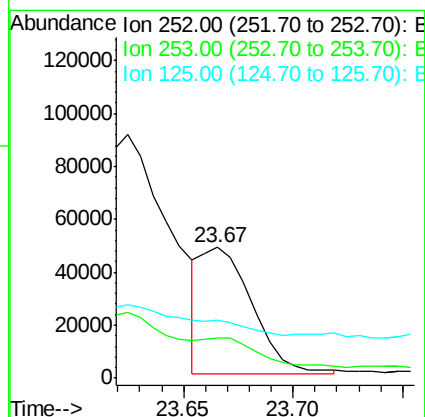
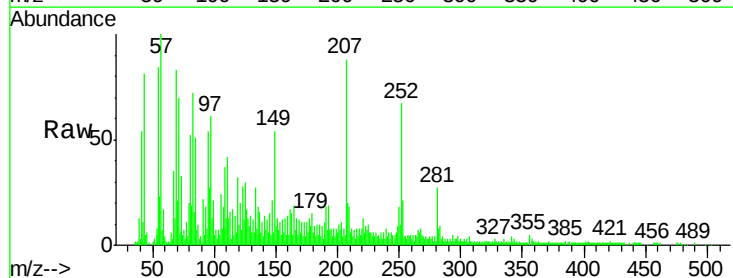
Manual Integrations
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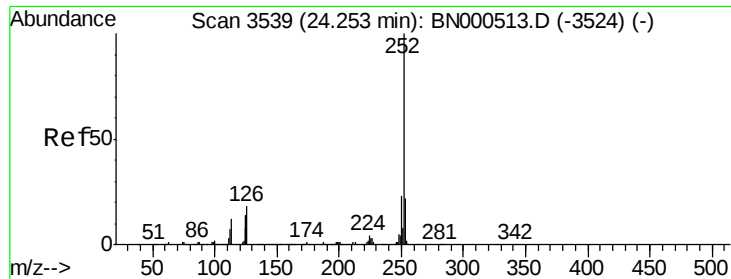
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#86
Benzo(k)fluoranthene
Concen: 1.927 ng/ul m
RT: 23.67 min Scan# 3439
Delta R.T. 0.01 min
Lab File: BN000518.D
Acq: 21 Mar 2018 14:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.0	17.1	25.7#
125	44.3	5.4	8.0#





#88

Benzo(a)pyrene

Concen: 3.388 ng/ul

RT: 24.27 min Scan# 3542

Delta R.T. 0.02 min

Lab File: BN000518.D

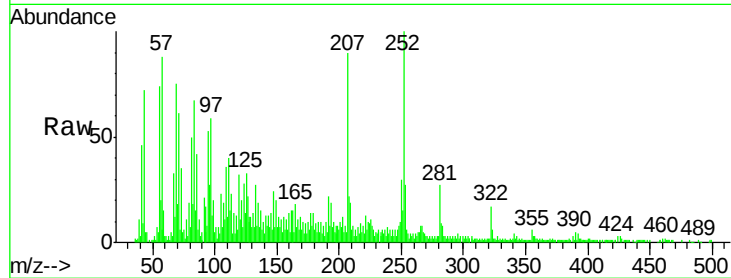
Acq: 21 Mar 2018 14:09

Instrument :

BNA_N

ClientSampleId :

DAM45



Tgt Ion:	252	Resp:	132651
Ion Ratio	Lower	Upper	
252	100		
253	27.2	17.2	25.8#
125	32.8	5.8	8.6#

Manual Integrations
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