

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
 Data File : BN002012.D
 Acq On : 11 Jul 2018 16:01
 Operator : JU/SJ
 Sample : J3775-14MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAZQ2MS

Manual Integrations
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Sohil
 7/12/2018 3:03:47 PM

Quant Time: Jul 12 01:09:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 11 22:41:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	497124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2272496	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	1318295	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	2902878	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	2526837	20.00	ng/ul	0.00
83) Perylene-d12	23.53	264	2191480	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	53794m	4.70	ng/uL	0.00
5) Phenol-d5	6.89	99	1337900	29.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	806960	29.07	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	1071087	30.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	1025991	28.47	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	543580	32.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	611182	34.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	1095914	29.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	430997	11.16	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3194417	28.69	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	4133379	30.07	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	571658	27.87	ng/ul	0.00
57) Fluorene-d10	15.33	176	2869626	29.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	440385	27.85	ng/ul	0.00
70) Anthracene-d10	17.19	188	4351295	31.02	ng/ul	0.00
76) Pyrene-d10	19.49	212	4601204	36.12	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.39	264	3637808	30.52	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.92	94	1430538	31.531	ng/ul	99
10) 2-Chlorophenol	7.28	128	1067550	29.569	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.51	70	864363	30.282	ng/ul	93
28) Naphthalene	10.53	128	146308	1.213	ng/ul	96
33) 4-Chloro-3-methylphenol	11.77	107	1190184	29.806	ng/ul	95
34) 2-Methylnaphthalene	12.15	142	92228	1.054	ng/ul	99
44) Dimethylphthalate	13.80	163	888557	8.121	ng/ul	99
49) Acenaphthene	14.40	153	2795374	30.377	ng/ul	99
52) 4-Nitrophenol	14.57	109	423058	27.741	ng/ul#	71
54) 2,4-Dinitrotoluene	14.71	165	1009293	32.858	ng/ul	94
68) Pentachlorophenol	16.74	266	609863	31.054	ng/ul	97
69) Phenanthrene	17.13	178	748405	4.577	ng/ul	99
71) Anthracene	17.22	178	184465	1.114	ng/ul	98
73) Di-n-butylphthalate	18.06	149	296615	1.694	ng/ul	99
74) Fluoranthene	19.15	202	1746495	10.161	ng/ul#	90
77) Pyrene	19.52	202	7212799	45.614	ng/ul#	85
78) Butylbenzylphthalate	20.43	149	241668	3.582	ng/ul	90
80) Benzo(a)anthracene	21.27	228	851421	5.332	ng/ul#	91
81) Bis(2-ethylhexyl)phthalate	21.22	149	9100025	90.438	ng/ul	97
82) Chrysene	21.32	228	1102174	7.418	ng/ul#	96
85) Benzo(b)fluoranthene	22.86	252	1271640	9.187	ng/ul#	89
86) Benzo(k)fluoranthene	22.90	252	391742m	2.919	ng/ul	
88) Benzo(a)pyrene	23.43	252	764713	5.912	ng/ul#	85

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	25.76	276	645904	4.693	ng/ul#	86
90) Dibenzo(a,h)anthracene	25.76	278	195009	1.702	ng/ul#	61
91) Benzo(g,h,i)perylene	26.45	276	1117793	9.845	ng/ul#	87

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

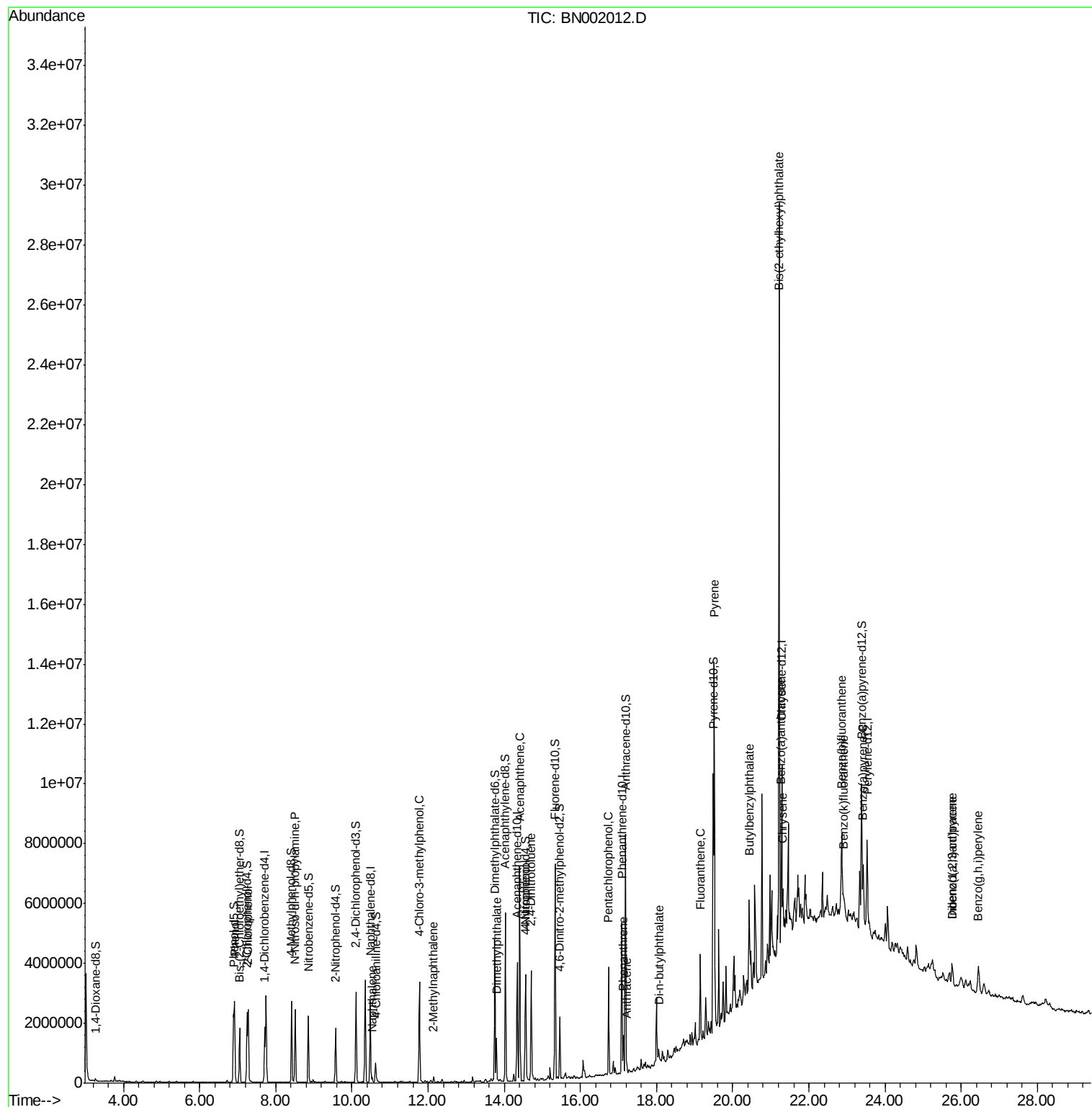
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071118\
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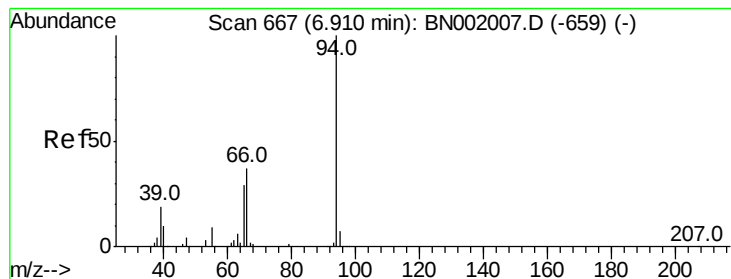
Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 11 22:41:21 2018
Response via : Initial Calibration





#6

Phenol

Concen: 31.531 ng/ul

RT: 6.92 min Scan# 668

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

DAZQ2MS

Tot Ion: 94 Resp: 1430538

Ion Ratio Lower Upper

94 100

65 30.0 23.0 34.6

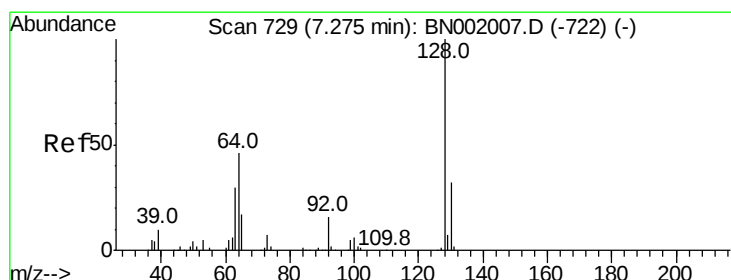
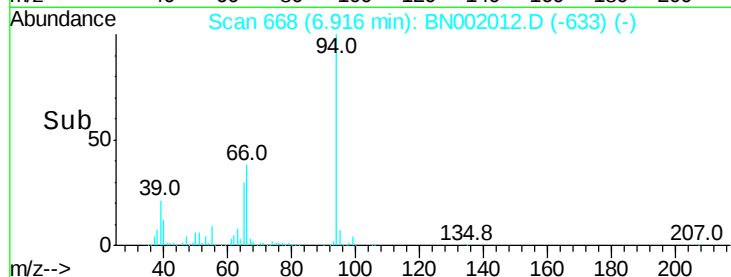
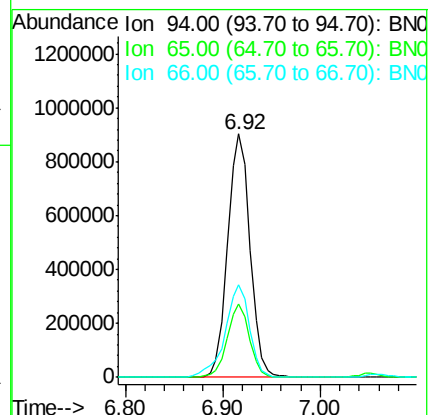
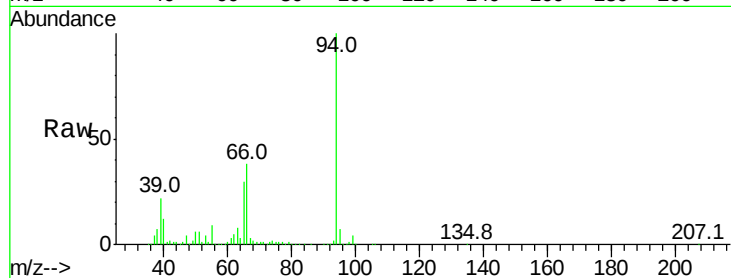
66 37.8 30.4 45.6

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#10

2-Chlorophenol

Concen: 29.569 ng/ul

RT: 7.28 min Scan# 730

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

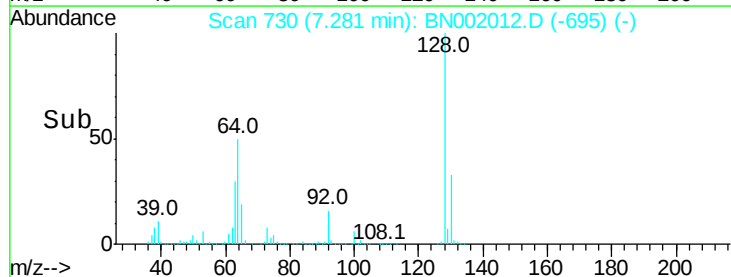
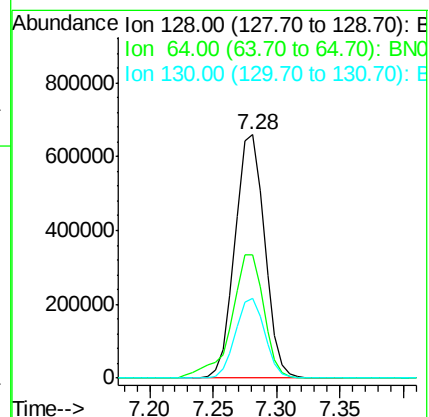
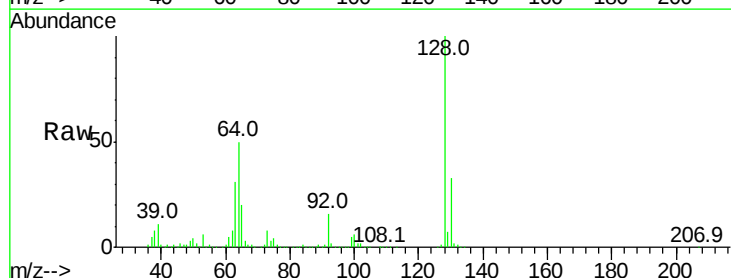
Tgt Ion:128 Resp: 1067550

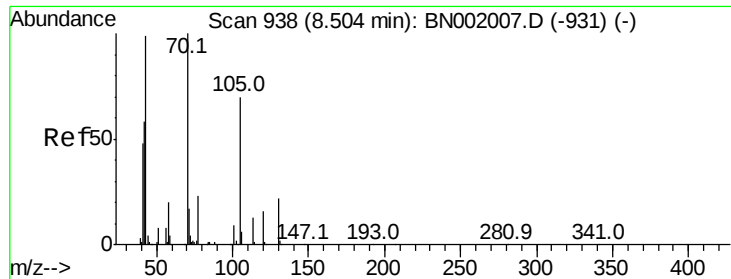
Ion Ratio Lower Upper

128 100

64 50.4 39.8 59.6

130 32.8 25.8 38.8





#15

N-Nitroso-di-n-propylamine

Concen: 30.282 ng/ul

RT: 8.51 min Scan# 939

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

DAZQ2MS

Tot Ion: 70 Resp: 864363

Ion Ratio Lower Upper

70 100

42 58.1 40.2 60.4

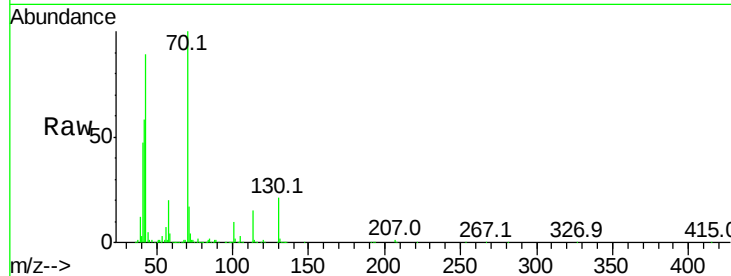
101 9.8 7.7 11.5

130 21.4 17.8 26.6

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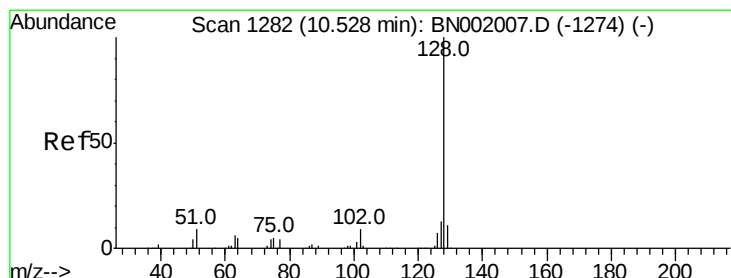
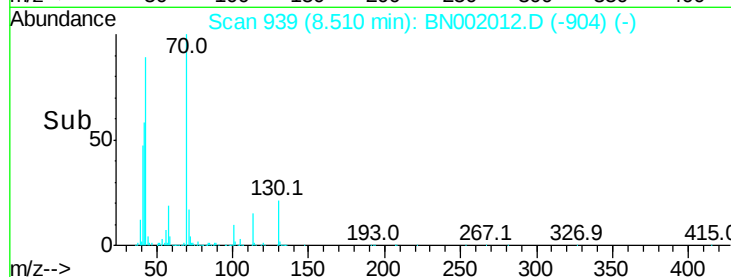
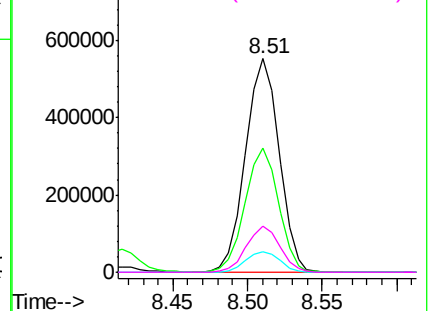
Abundance

Ion 70.00 (69.70 to 70.70): BN002007.D (-931) (-)

Ion 42.00 (41.70 to 42.70): BN002007.D (-931) (-)

Ion 101.00 (100.70 to 101.70): BN002007.D (-931) (-)

Ion 130.00 (129.70 to 130.70): BN002007.D (-931) (-)



#28

Naphthalene

Concen: 1.213 ng/ul

RT: 10.53 min Scan# 1283

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

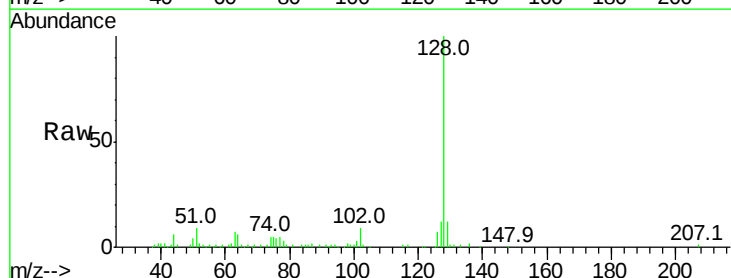
Tgt Ion: 128 Resp: 146308

Ion Ratio Lower Upper

128 100

129 12.4 8.3 12.5

127 12.3 10.8 16.2

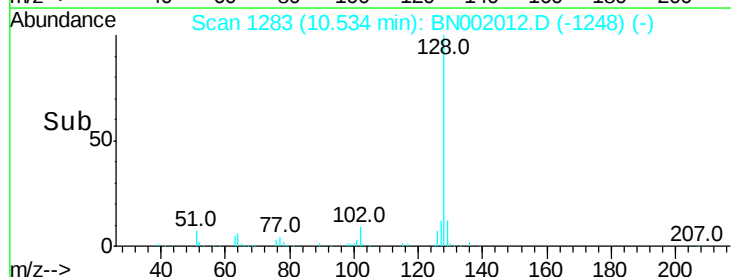
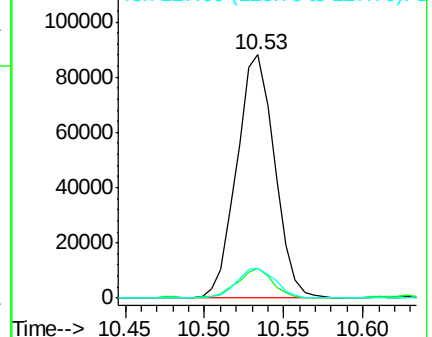


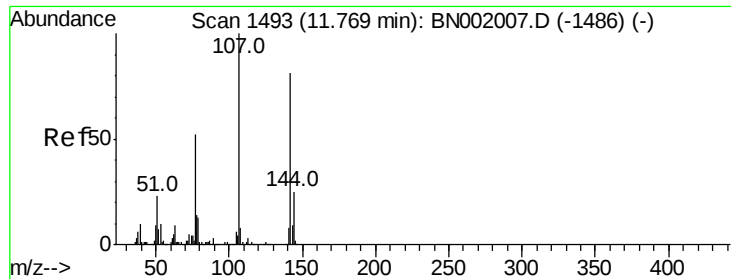
Abundance

Ion 128.00 (127.70 to 128.70): BN002007.D (-1274) (-)

Ion 129.00 (128.70 to 129.70): BN002007.D (-1274) (-)

Ion 127.00 (126.70 to 127.70): BN002007.D (-1274) (-)





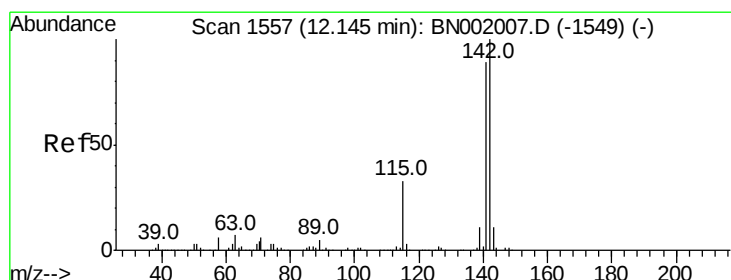
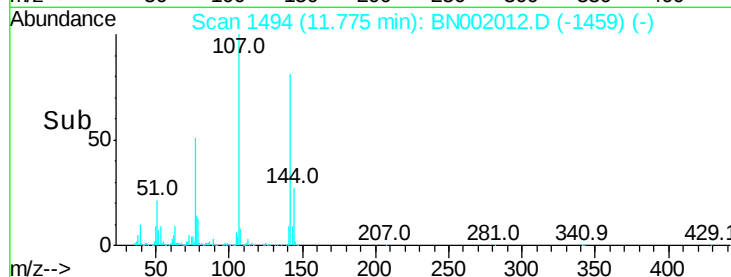
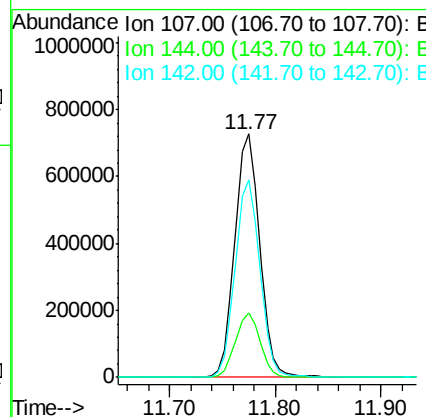
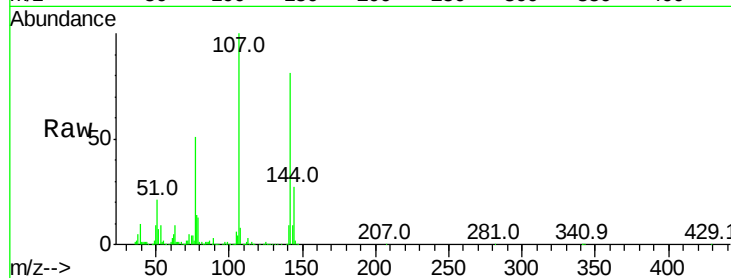
#33
4-Chloro-3-methylphenol
Concen: 29.806 ng/ul
RT: 11.77 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

Tot Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.1	31.7
142	81.2	60.1	90.1

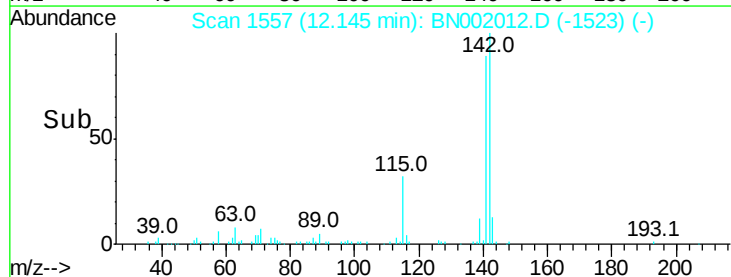
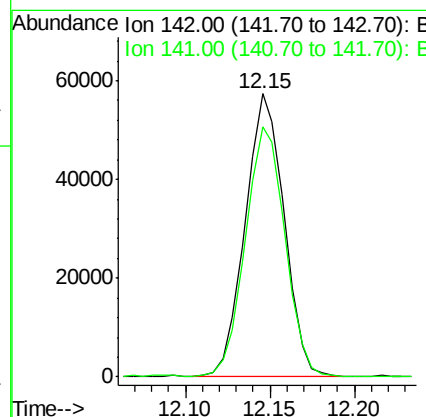
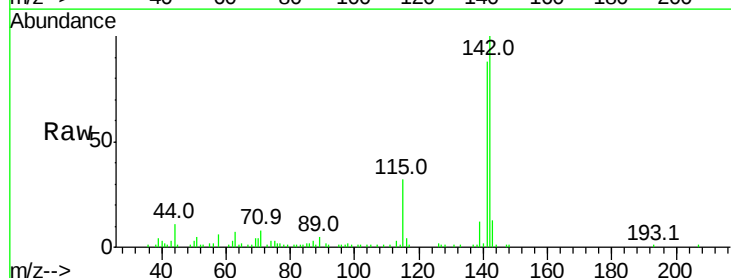
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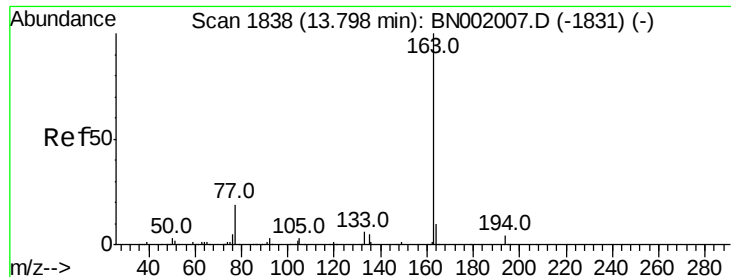
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#34
2-Methylnaphthalene
Concen: 1.054 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.4	107.2





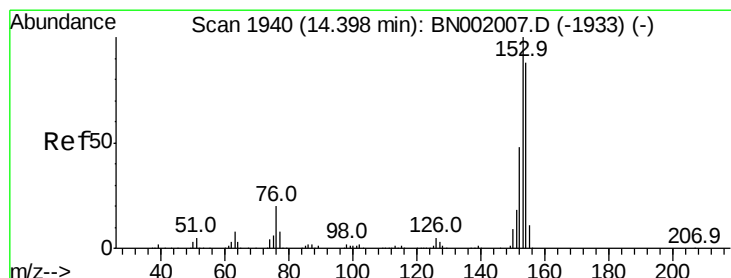
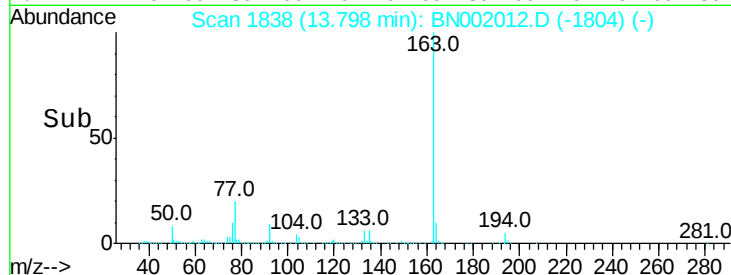
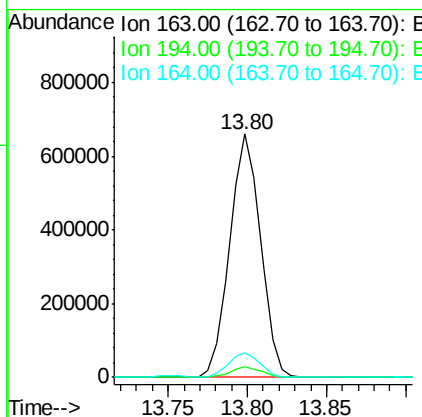
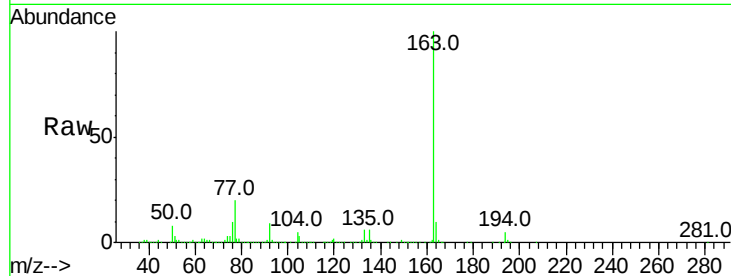
#44
Dimethylphthalate
Concen: 8.121 ng/ul
RT: 13.80 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	4.0	6.0
164	10.2	8.4	12.6

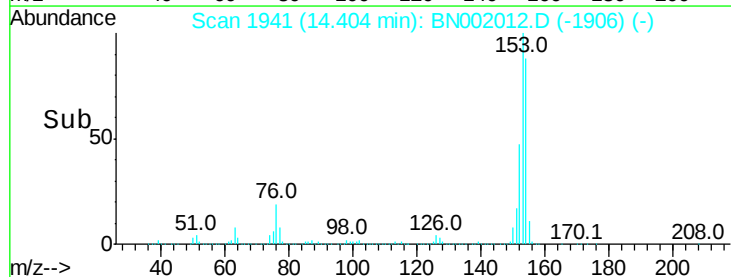
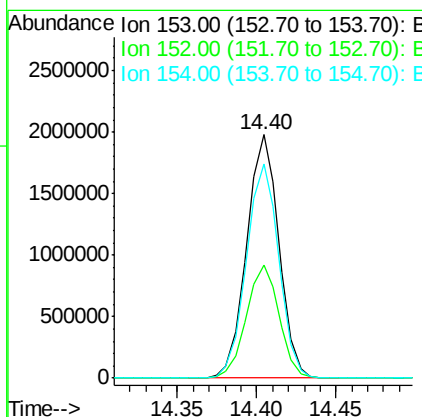
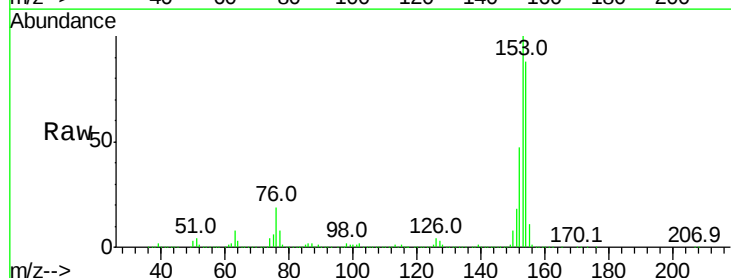
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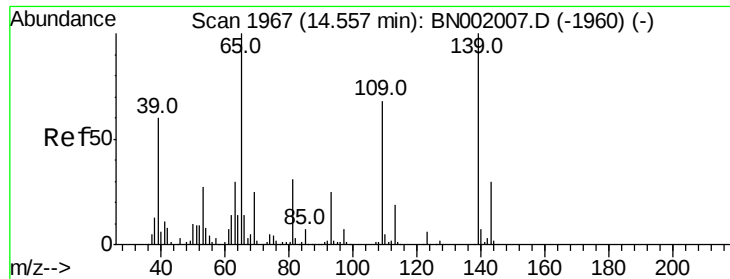
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#49
Acenaphthene
Concen: 30.377 ng/ul
RT: 14.40 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
153	100		
152	46.7	37.9	56.9
154	88.1	69.8	104.6





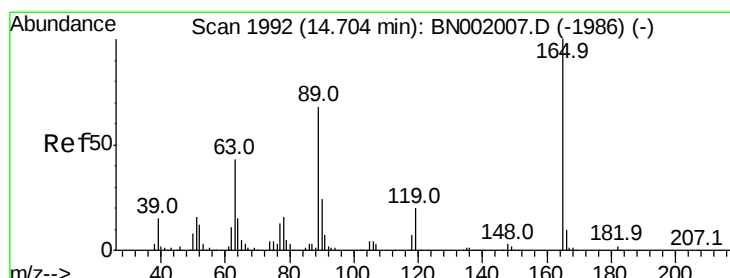
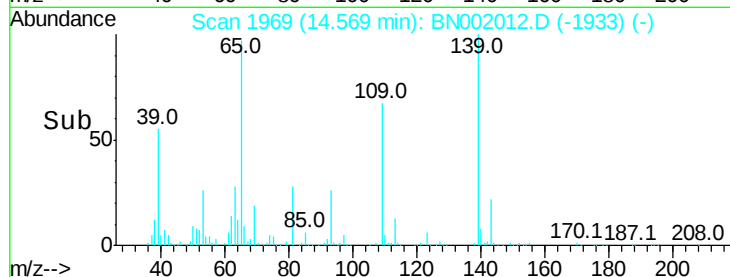
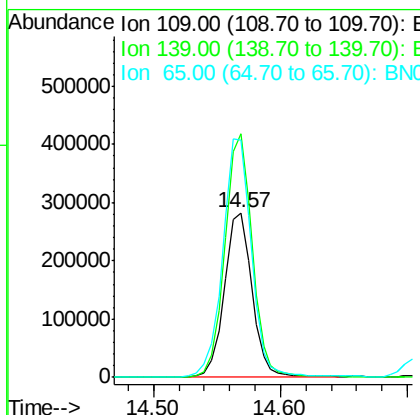
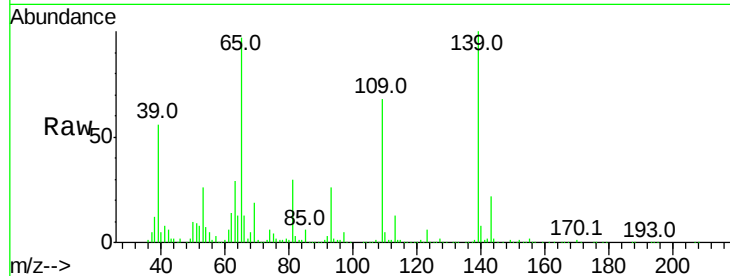
#52
4-Nitrophenol
Concen: 27.741 ng/ul
RT: 14.57 min Scan# 1969
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
109	100			
139	148.1	91.2	136.8#	
65	144.0	92.6	139.0#	

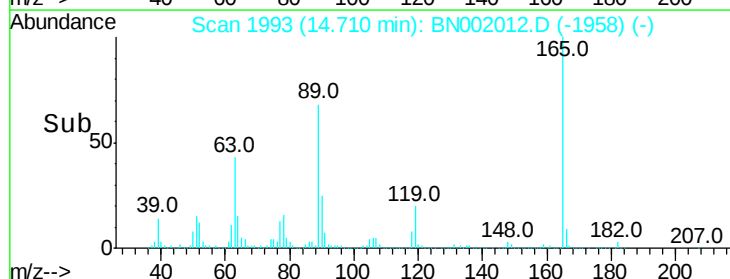
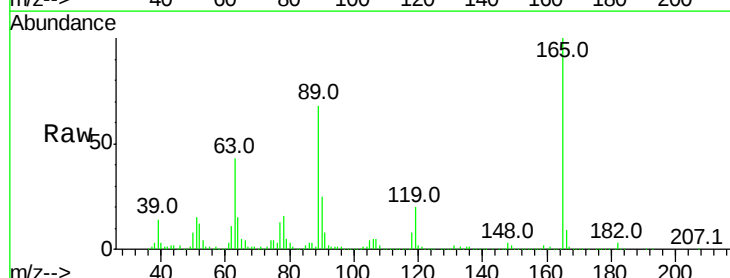
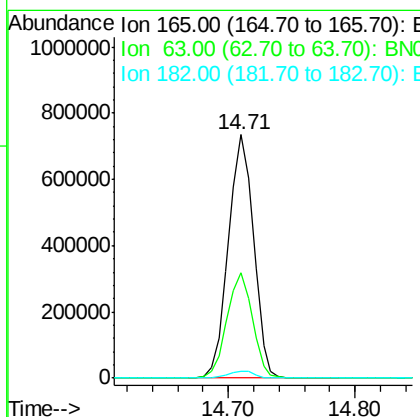
Manual Integrations
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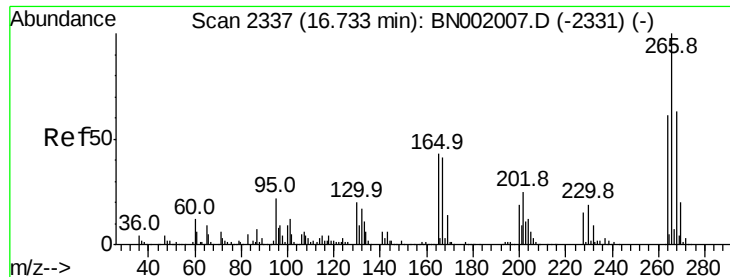
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#54
2,4-Dinitrotoluene
Concen: 32.858 ng/ul
RT: 14.71 min Scan# 1993
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	43.2	31.4	47.0	
182	2.9	2.7	4.1	





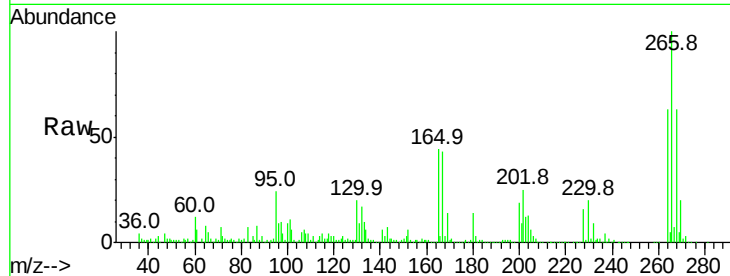
#68
 Pentachlorophenol
 Concen: 31.054 ng/ul
 RT: 16.74 min Scan# 2338
 Delta R.T. 0.01 min
 Lab File: BN002012.D
 Acq: 11 Jul 2018 16:01

Instrument :
 BNA_N
 ClientSampled :
 DAZQ2MS

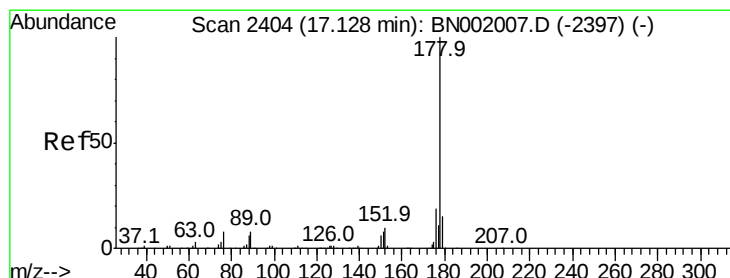
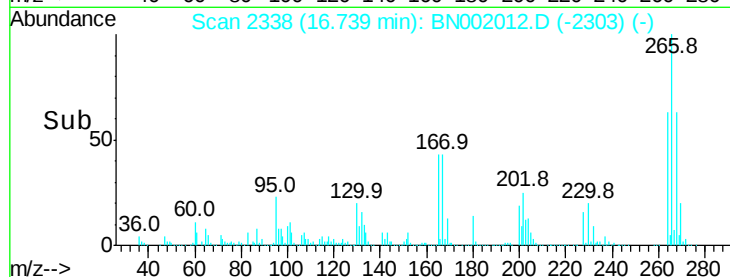
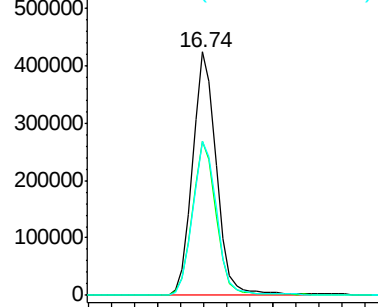
Tot Ion	Ratio	Resp	Lower	Upper
266	100	609863		
264	63.4	48.2	72.4	
268	63.4	52.3	78.5	

Manual Integrations
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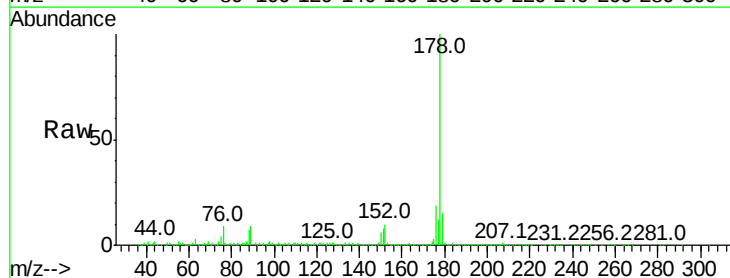


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

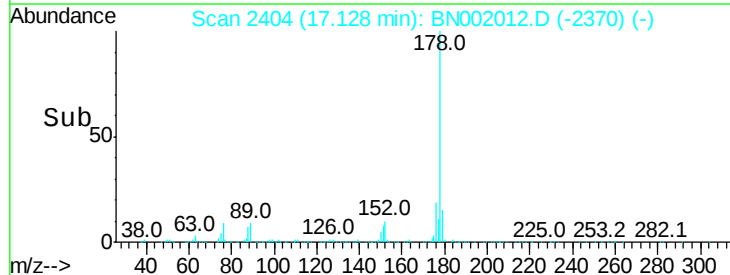
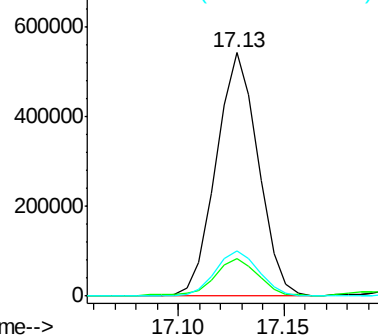


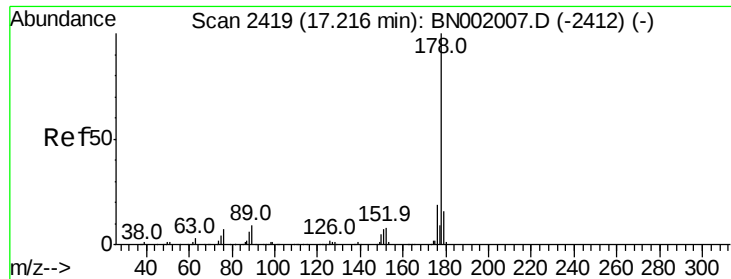
#69
 Phenanthrene
 Concen: 4.577 ng/ul
 RT: 17.13 min Scan# 2404
 Delta R.T. 0.00 min
 Lab File: BN002012.D
 Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	748405		
179	15.5	12.3	18.5	
176	18.6	15.4	23.0	



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





#71

Anthracene

Concen: 1.114 ng/ul

RT: 17.22 min Scan# 2420

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

ClientSampleId :

DAZQ2MS

Tot Ion:178 Resp: 184465

Ion Ratio Lower Upper

178 100

179 16.2 13.4 20.2

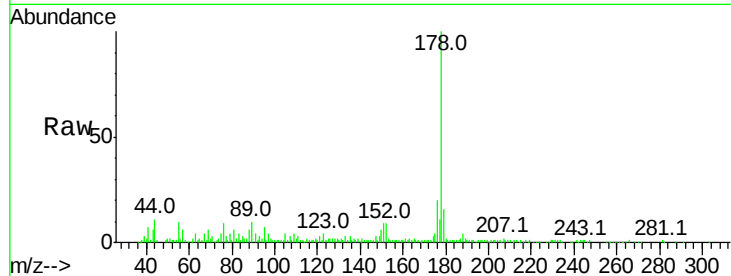
176 20.1 15.4 23.0

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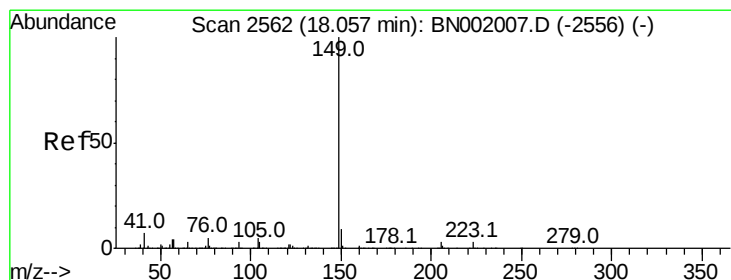
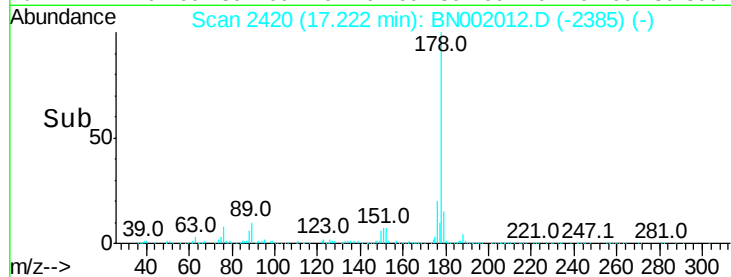
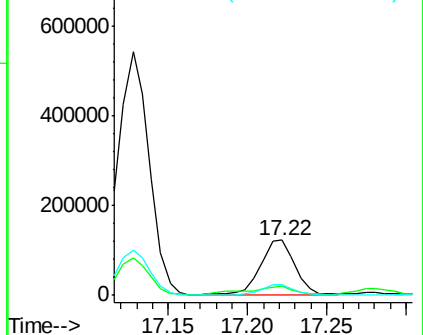
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#73

Di-n-butylphthalate

Concen: 1.694 ng/ul

RT: 18.06 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

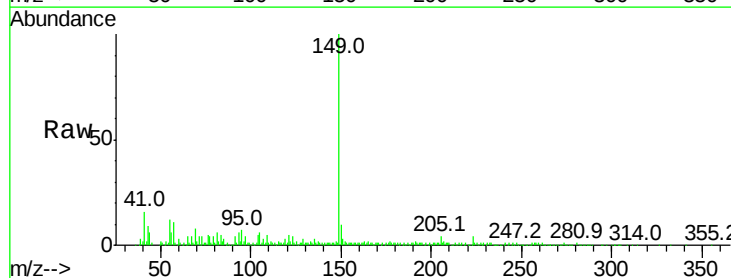
Tgt Ion:149 Resp: 296615

Ion Ratio Lower Upper

149 100

150 9.7 7.5 11.3

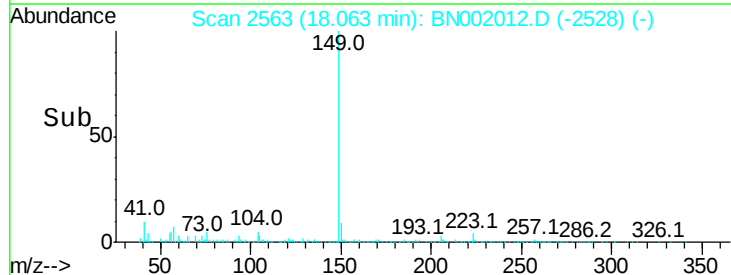
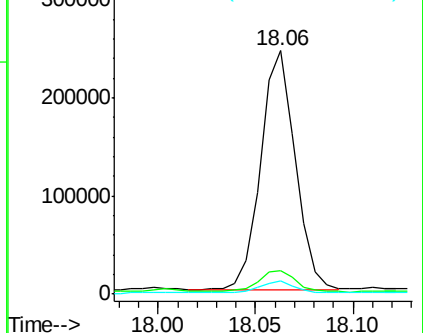
104 5.5 4.1 6.1

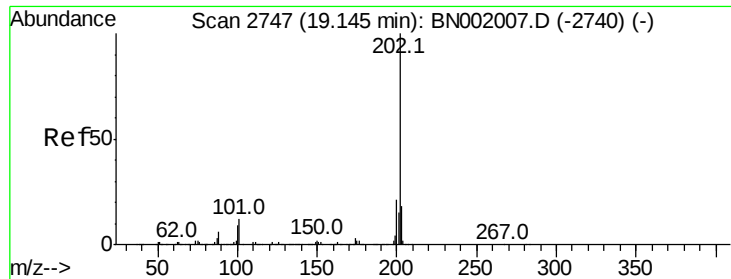


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 10.161 ng/ul

RT: 19.15 min Scan# 2748

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

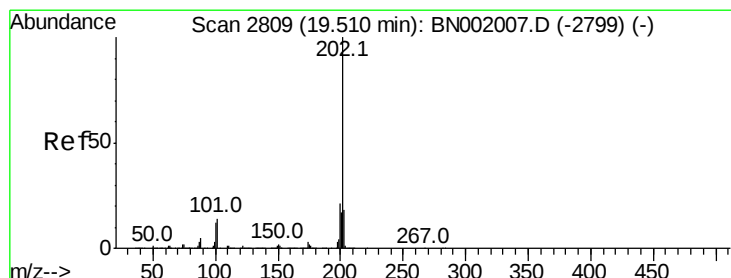
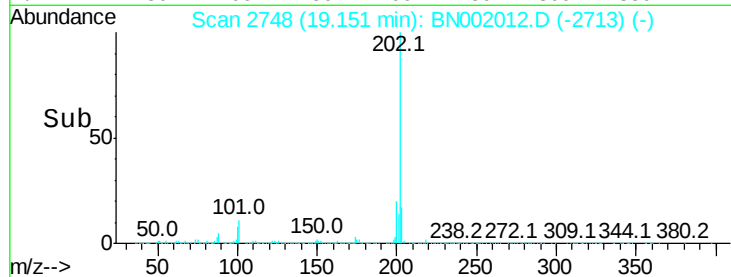
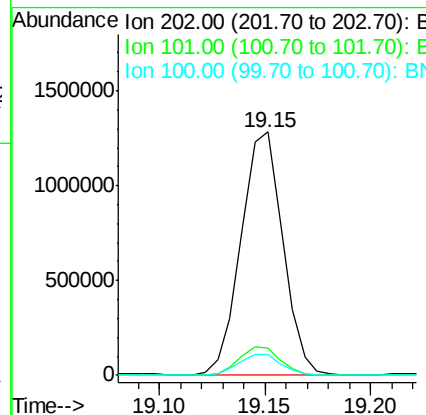
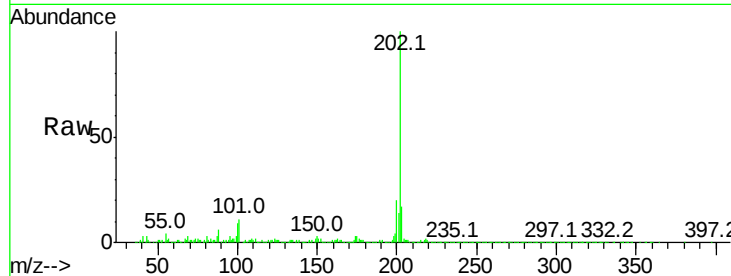
ClientSampleId :

DAZQ2MS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1746495		
101	11.4	6.1	9.1#	
100	8.6	4.6	7.0#	

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#77

Pyrene

Concen: 45.614 ng/ul

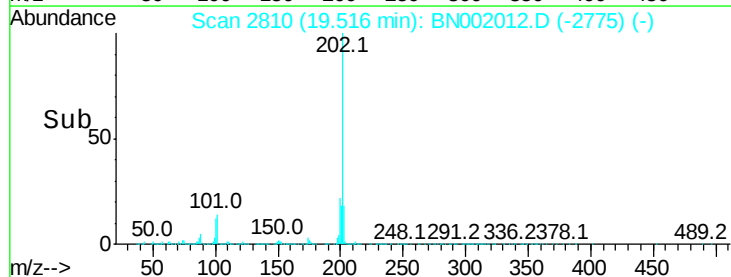
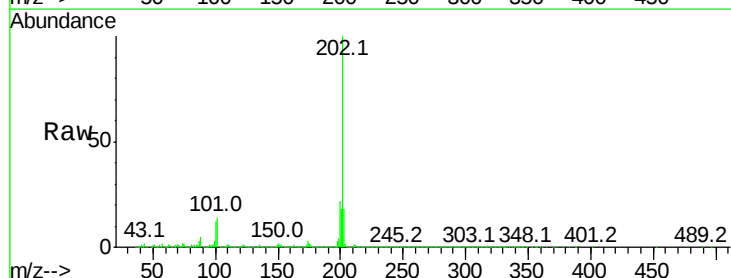
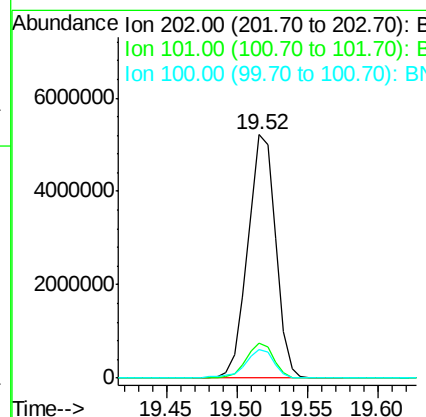
RT: 19.52 min Scan# 2810

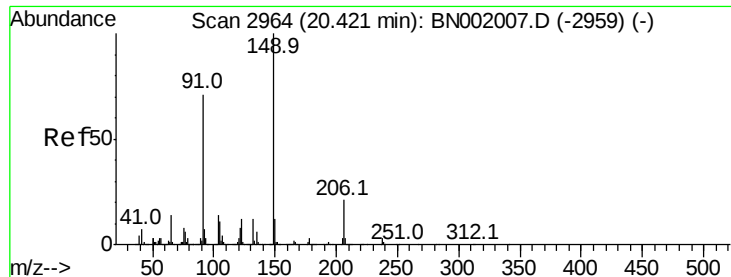
Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	7212799		
101	14.2	6.9	10.3#	
100	11.6	5.6	8.4#	





#78

Butylbenzylphthalate

Concen: 3.582 ng/ul

RT: 20.43 min Scan# 2965

Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Instrument :

BNA_N

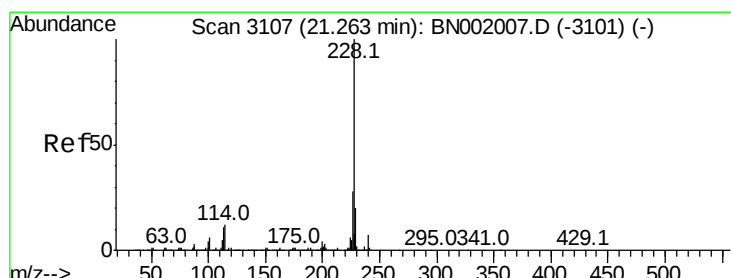
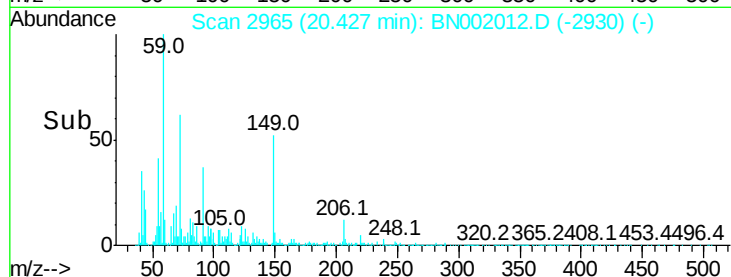
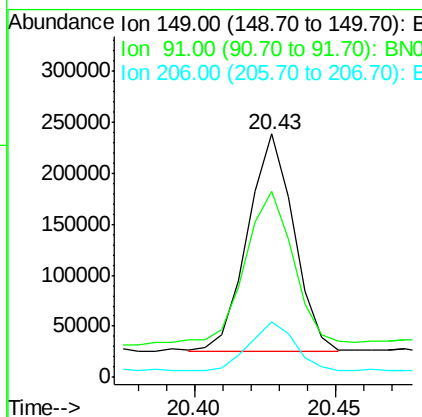
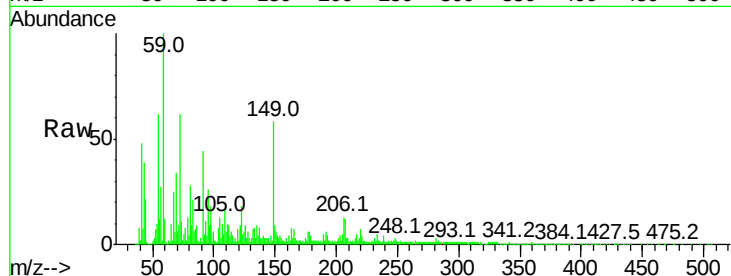
ClientSampleId :

DAZQ2MS

Tot Ion:	149	Resp:	241668
Ion Ratio	Lower	Upper	
149	100		
91	76.6	53.4	80.0
206	22.7	19.3	28.9

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#80

Benzo(a)anthracene

Concen: 5.332 ng/ul

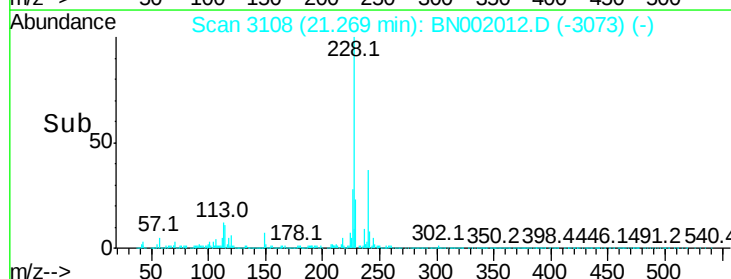
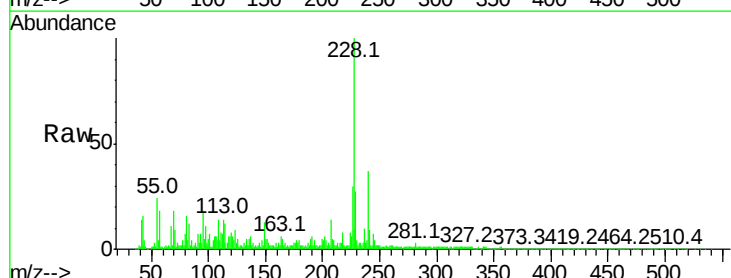
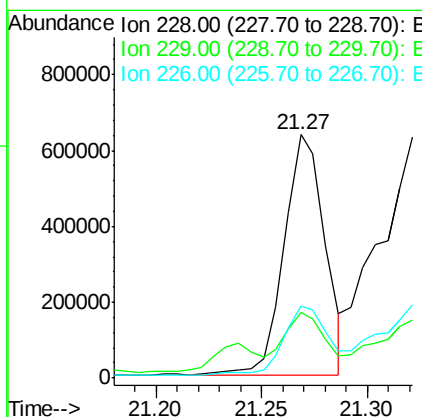
RT: 21.27 min Scan# 3108

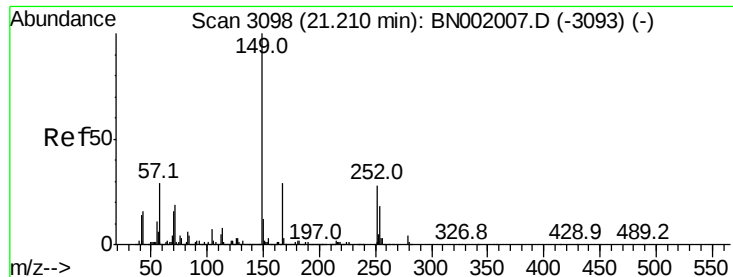
Delta R.T. 0.01 min

Lab File: BN002012.D

Acq: 11 Jul 2018 16:01

Tgt Ion:	228	Resp:	851421
Ion Ratio	Lower	Upper	
228	100		
229	27.1	16.0	24.0#
226	29.5	21.8	32.8





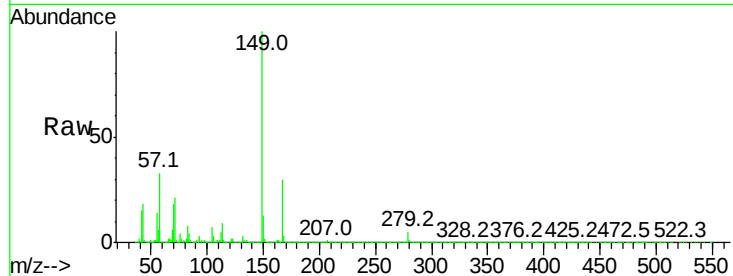
#81
Bis(2-ethylhexyl)phthalate
Concen: 90.438 ng/ul
RT: 21.22 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

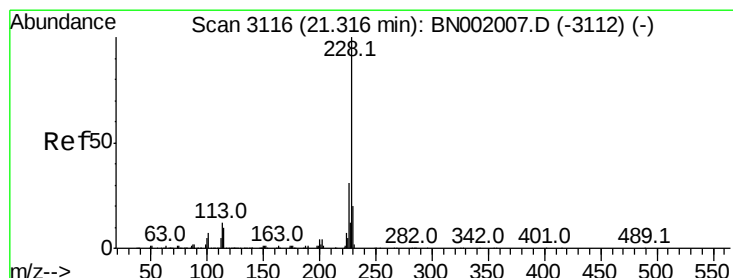
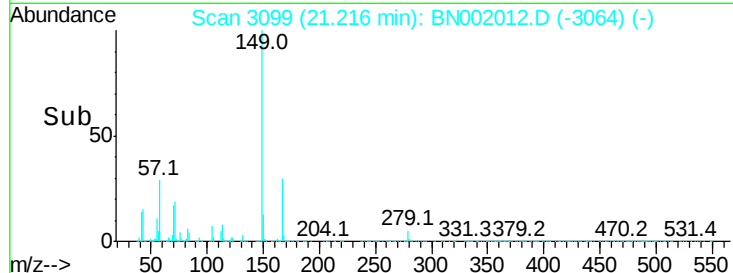
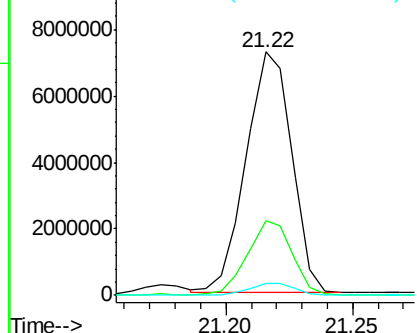
Tot Ion:149 Resp: 9100025
Ion Ratio Lower Upper
149 100
167 30.5 23.0 34.6
279 4.7 4.3 6.5

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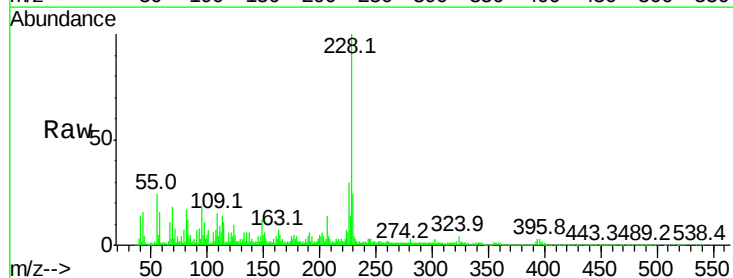


Abundance Ion 149.00 (148.70 to 149.70): E
1e+07 Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

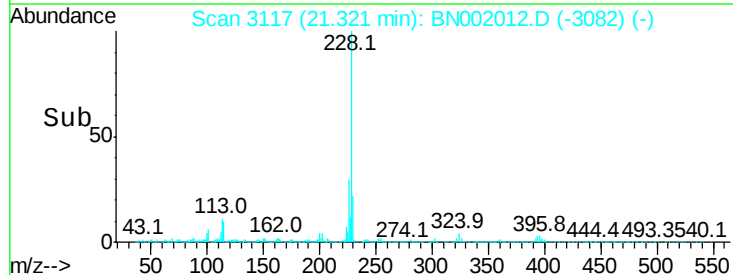
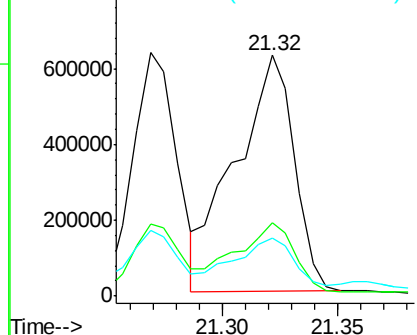


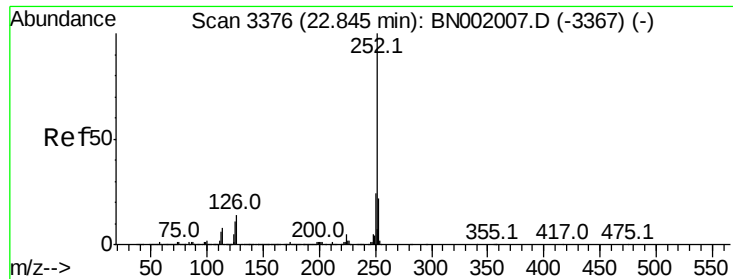
#82
Chrysene
Concen: 7.418 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion:228 Resp: 1102174
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 24.3 16.0 24.0#



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





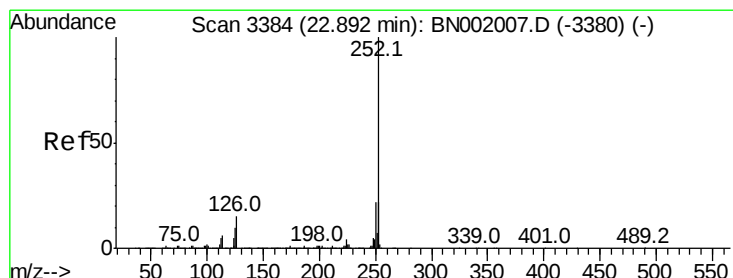
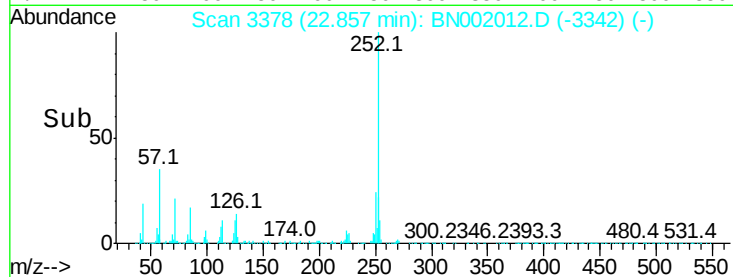
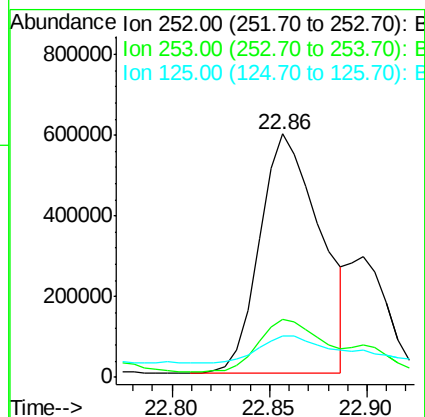
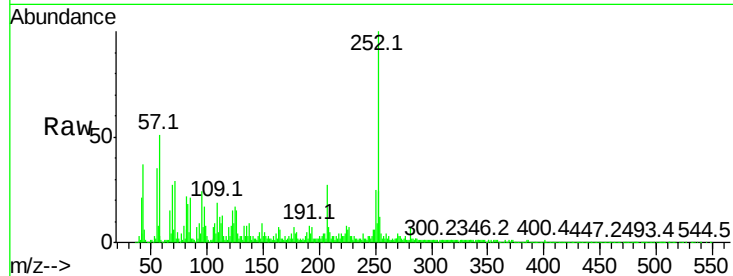
#85
Benzo(b)fluoranthene
Concen: 9.187 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	17.2	4.9	7.3#

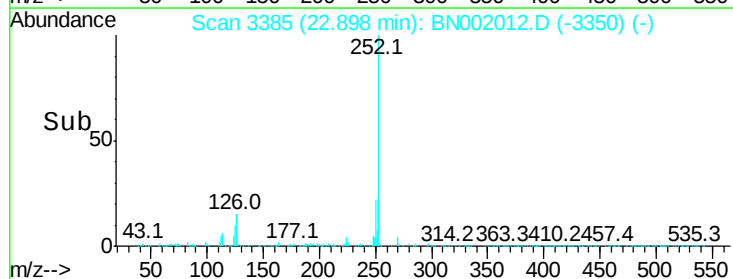
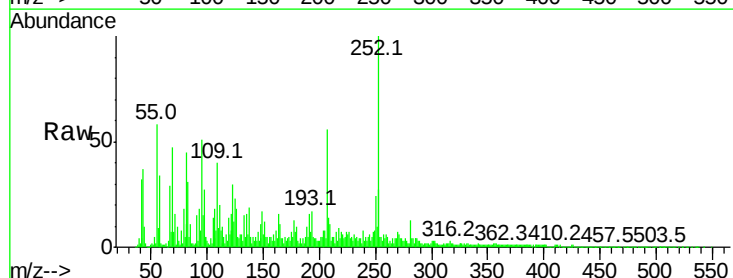
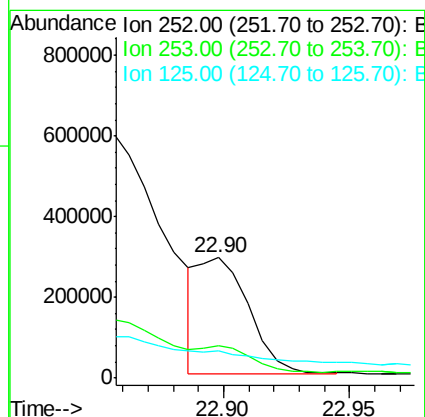
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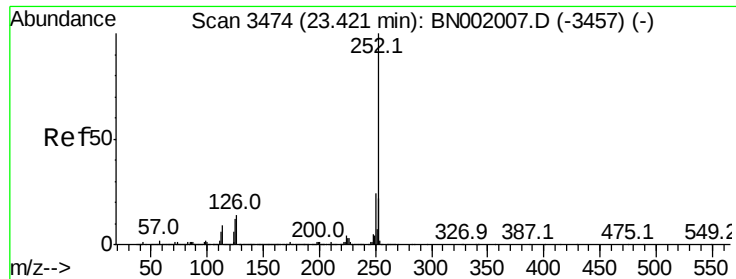
Sohil
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#86
Benzo(k)fluoranthene
Concen: 2.919 ng/ul m
RT: 22.90 min Scan# 3385
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.1	25.7#
125	22.5	5.4	8.0#





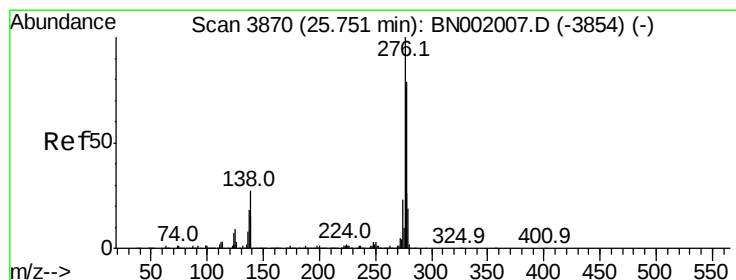
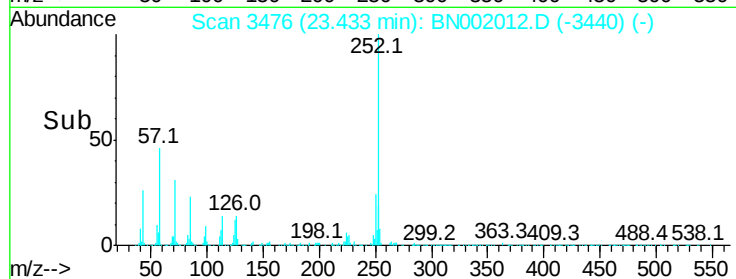
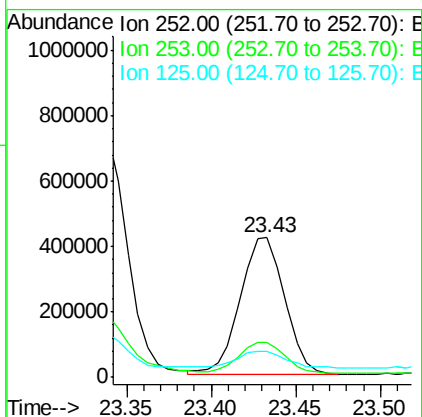
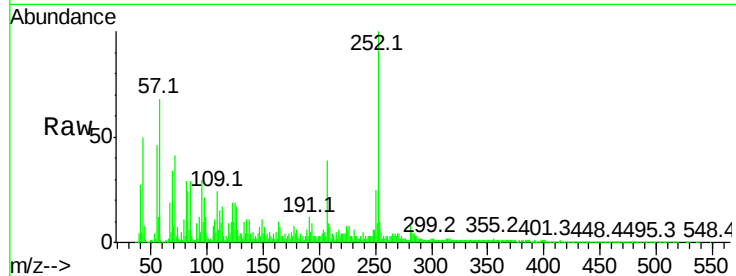
#88
Benzo(a)pyrene
Concen: 5.912 ng/ul
RT: 23.43 min Scan# 3476
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.5	17.2	25.8
125	18.9	5.8	8.6

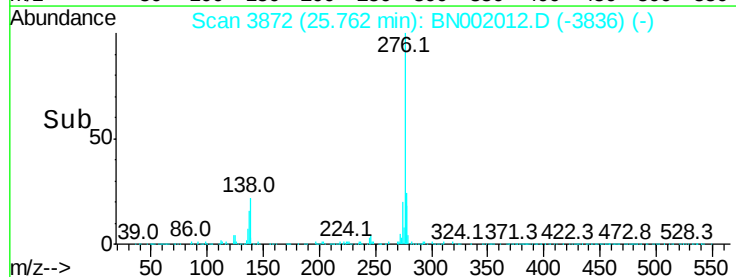
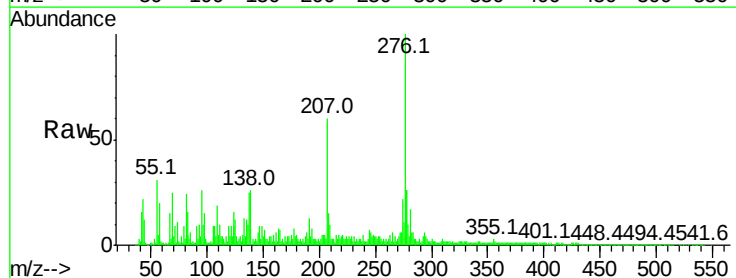
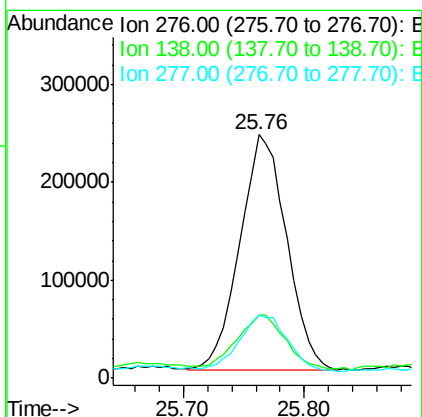
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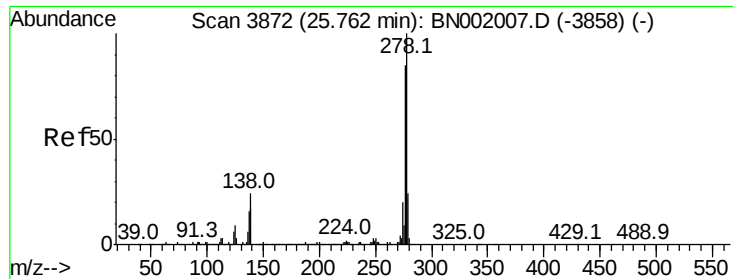
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#89
Indeno(1,2,3-cd)pyrene
Concen: 4.693 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. 0.01 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	26.1	10.9	16.3
277	26.0	18.9	28.3





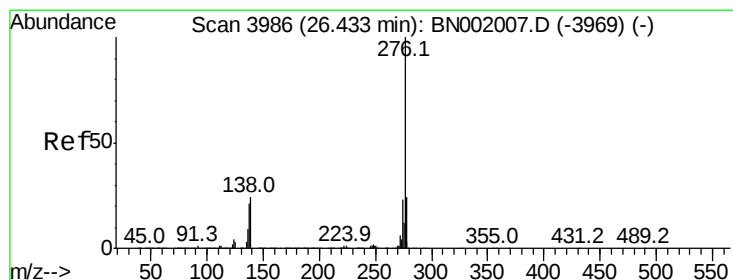
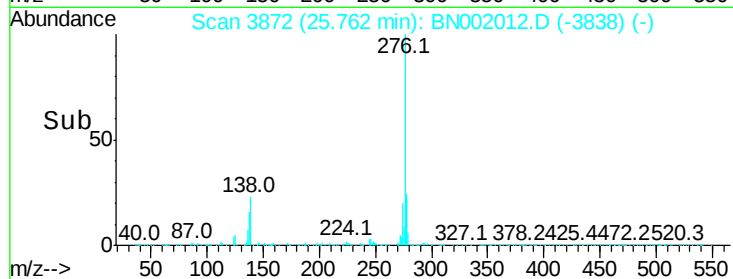
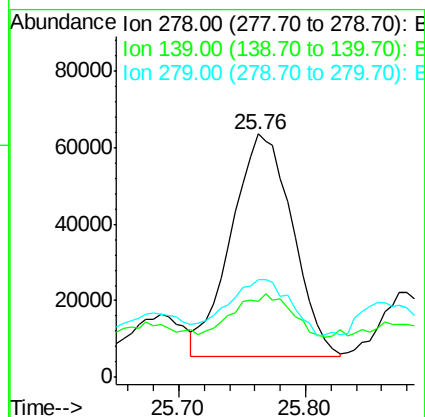
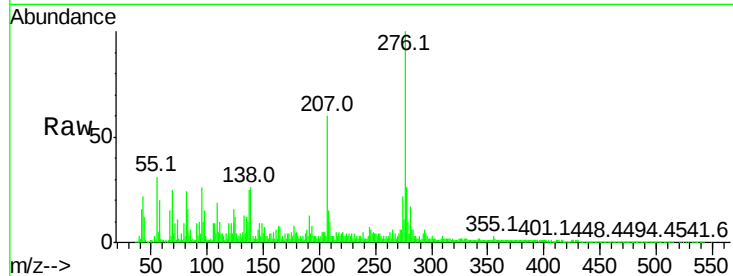
#90
Dibenzo(a,h)anthracene
Concen: 1.702 ng/ul
RT: 25.76 min Scan# 3872
Delta R.T. 0.00 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Instrument :
BNA_N
ClientSampleId :
DAZQ2MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.3	9.0	13.4#
279	40.0	19.1	28.7#

Manual Integrations
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7/12/2018 3:03:47 PM



#91
Benzo(g,h,i)perylene
Concen: 9.845 ng/ul
RT: 26.45 min Scan# 3989
Delta R.T. 0.02 min
Lab File: BN002012.D
Acq: 11 Jul 2018 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.6	11.2	16.8#
277	26.3	19.0	28.6

