

Data Path : Z:\HPCHEM1\BNA_N\Data\BN032018\
 Data File : BN000510.D
 Acq On : 21 Mar 2018 01:19
 Operator : JU/SJ
 Sample : J1905-14
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM49

Manual Integrations
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 3/22/2018 6:48:19 PM

Quant Time: Mar 28 03:18:23 2018
 Quant Method : Z:\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 21 00:17:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	204820	20.00	ng/ul	0.01
18) Naphthalene-d8	11.27	136	710339	20.00	ng/ul	0.02
35) Acenaphthene-d10	15.05	164	349646	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.92	188	624023m	20.00	ng/ul	0.16
75) Chrysene-d12	21.89	240	630328	20.00	ng/ul	0.01
83) Perylene-d12	24.38	264	663856	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.59	96	33462	5.84	ng/uL	0.00
5) Phenol-d5	7.73	99	497480m	26.03	ng/ul	0.18
7) Bis-(2-Chloroethyl)ether-d	7.73	67	283523	25.72	ng/ul	0.01
9) 2-Chlorophenol-d4	8.01	132	221490	15.33	ng/ul	0.07
13) 4-Methylphenol-d8	9.21	113	287950m	19.35	ng/ul	0.09
19) Nitrobenzene-d5	9.62	128	183326	31.78	ng/ul	0.02
22) 2-Nitrophenol-d4	10.35	143	142314	23.81	ng/ul	0.03
26) 2,4-Dichlorophenol-d3	10.92	165	292463	27.30	ng/ul	0.06
29) 4-Chloroaniline-d4	11.42	131	10140	0.92	ng/ul	0.04
43) Dimethylphthalate-d6	14.48	166	724666	26.23	ng/ul	0.05
46) Acenaphthylene-d8	14.75	160	937598	25.73	ng/ul	0.01
51) 4-Nitrophenol-d4	15.24	143	33247	6.48	ng/ul	0.03
57) Fluorene-d10	16.05	176	627624	26.66	ng/ul	0.04
62) 4,6-Dinitro-2-methylphenol	16.18	200	259968m	72.74	ng/ul	0.05
70) Anthracene-d10	18.00	188	823661m	27.46	ng/ul	0.14
76) Pyrene-d10	20.14	212	889684	25.57	ng/ul	0.02
87) Benzo(a)pyrene-d12	24.22	264	850762	27.15	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	7.75	94	116750m	5.989	ng/ul	
16) 4-Methylphenol	9.28	108	36655m	2.395	ng/ul	
21) Isophorone	10.21	82	7286420	268.393	ng/ul#	92
28) Naphthalene	11.32	128	570812	15.302	ng/ul#	94
34) 2-Methylnaphthalene	12.90	142	582330	23.382	ng/ul	98
38) 2,4,6-Trichlorophenol	13.52	196	392705	55.115	ng/ul	98
39) 2,4,5-Trichlorophenol	13.61	196	173479m	23.350	ng/ul	
40) 1,1'-Biphenyl	13.88	154	37472	1.259	ng/ul#	11
44) Dimethylphthalate	14.49	163	194084	7.103	ng/ul#	80
47) Acenaphthylene	14.77	152	92906	2.602	ng/ul#	54
49) Acenaphthene	15.11	153	138311	5.682	ng/ul	99
55) 2,3,4,6-Tetrachlorophenol	15.76	232	17672668m	3115.035	ng/ul	
58) Fluorene	16.11	166	136058	5.179	ng/ul#	88
68) Pentachlorophenol	17.48	266	49462512m	13950.160	ng/ul	
69) Phenanthrene	17.96	178	899964m	25.034	ng/ul	
71) Anthracene	18.03	178	218098m	5.917	ng/ul	
72) Carbazole	18.24	167	296856m	9.391	ng/ul	
74) Fluoranthene	19.81	202	1085142	30.376	ng/ul#	76
77) Pyrene	20.17	202	855821	18.589	ng/ul#	73
80) Benzo(a)anthracene	21.88	228	270574	6.443	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.75	149	70453	2.122	ng/ul#	89
82) Chrysene	21.93	228	234789m	5.963	ng/ul	
85) Benzo(b)fluoranthene	23.62	252	239317	5.705	ng/ul#	86

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	24.27	252	146081	3.700	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	26.94	276	77045	1.810	ng/ul#	82
91) Benzo(g,h,i)perylene	27.72	276	64871	1.834	ng/ul#	84

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

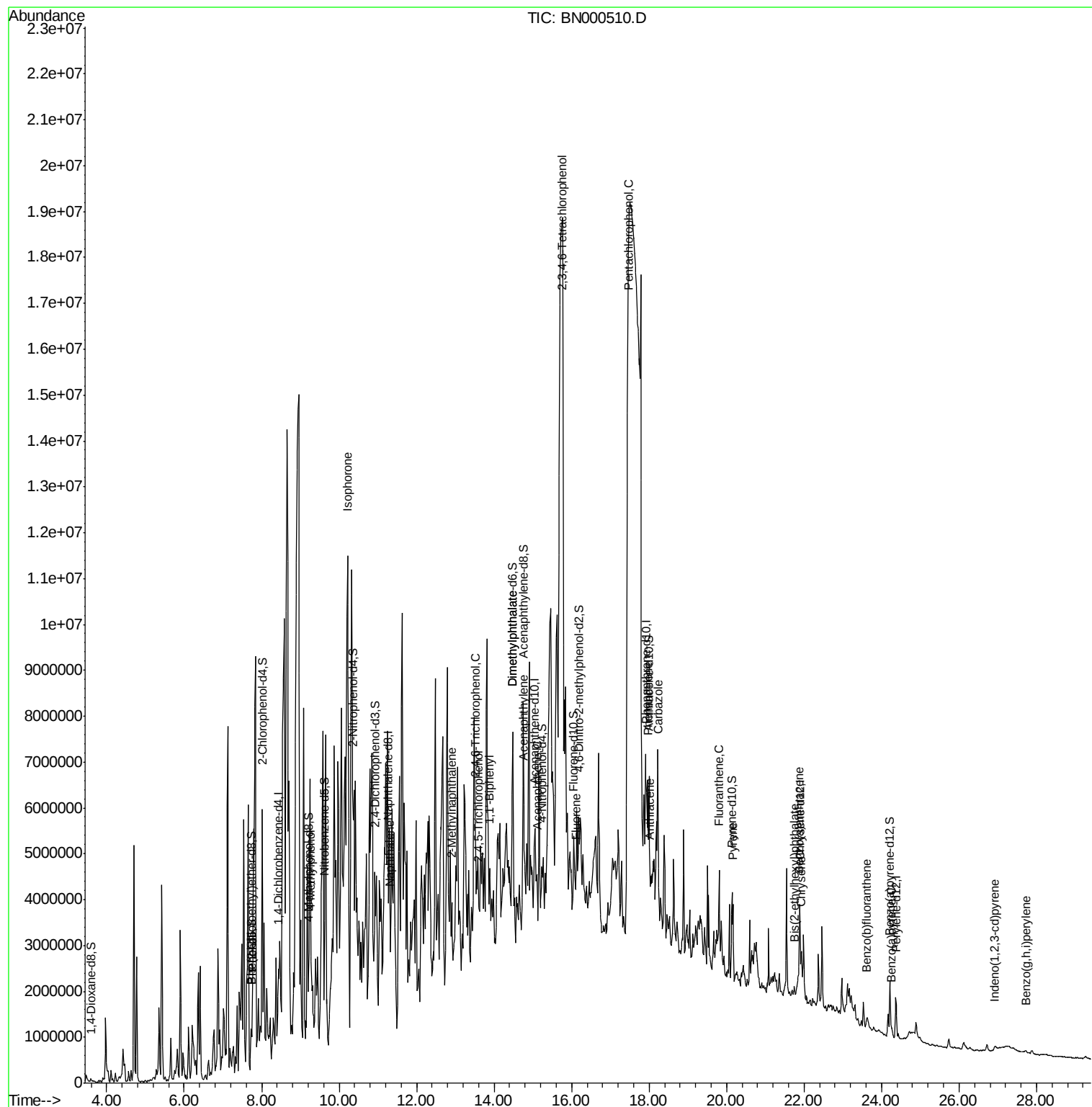
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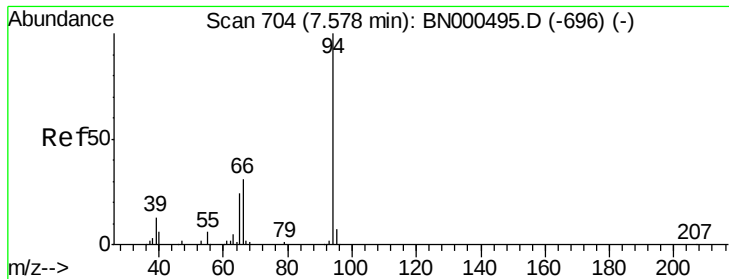
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#6

Phenol

Concen: 5.989 ng/ul m

RT: 7.75 min Scan# 734

Delta R.T. 0.18 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

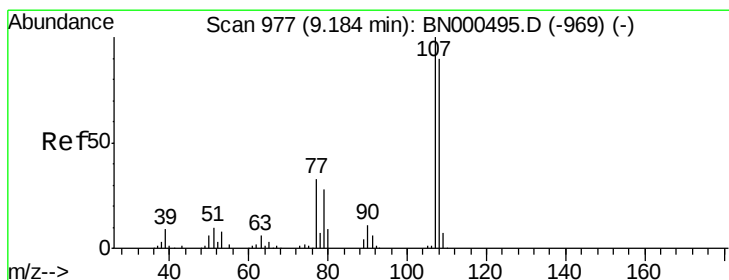
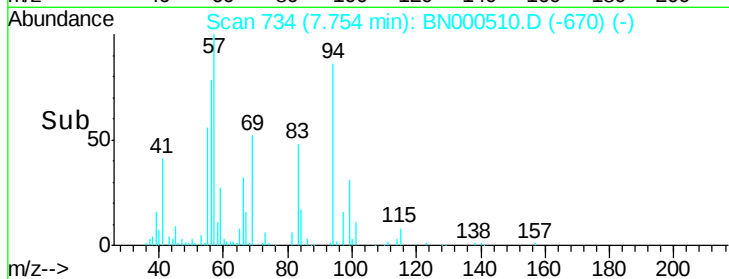
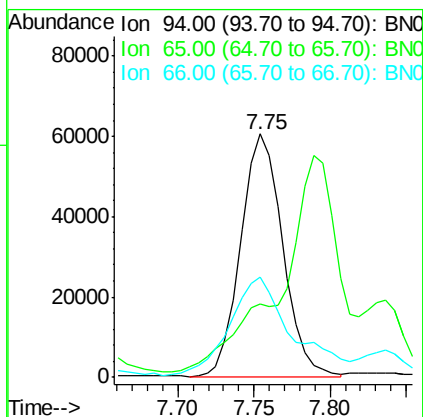
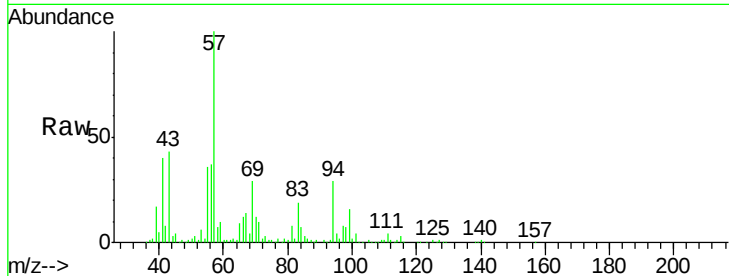
ClientSampleId :

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Tgt Ion:	94	Resp:	116750
Ion Ratio	Lower	Upper	
94	100		
65	30.3	23.0	34.6
66	41.2	30.4	45.6

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#16

4-Methylphenol

Concen: 2.395 ng/ul m

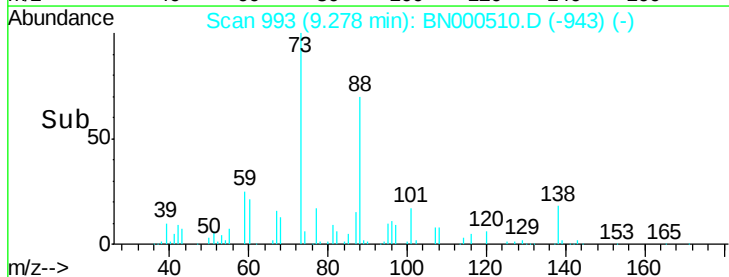
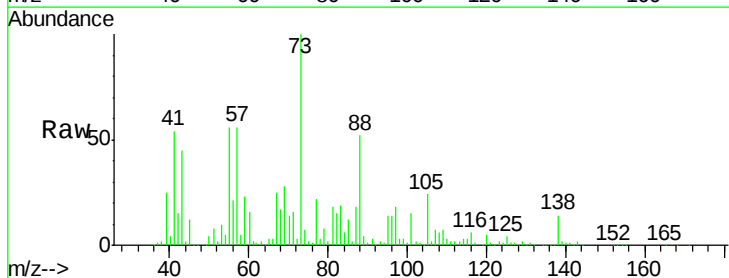
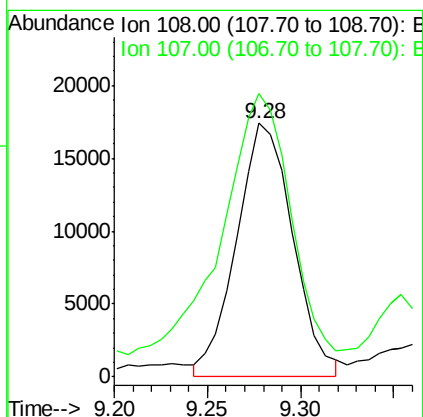
RT: 9.28 min Scan# 993

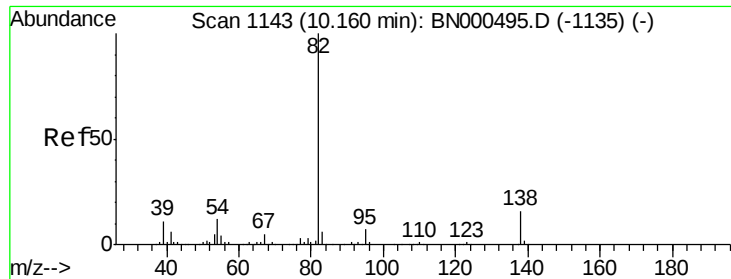
Delta R.T. 0.09 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt Ion:	108	Resp:	36655
Ion Ratio	Lower	Upper	
108	100		
107	111.5	93.6	140.4





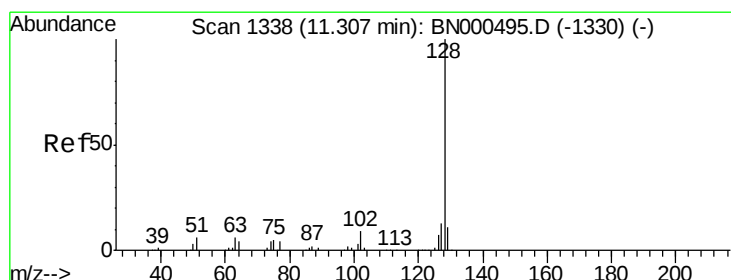
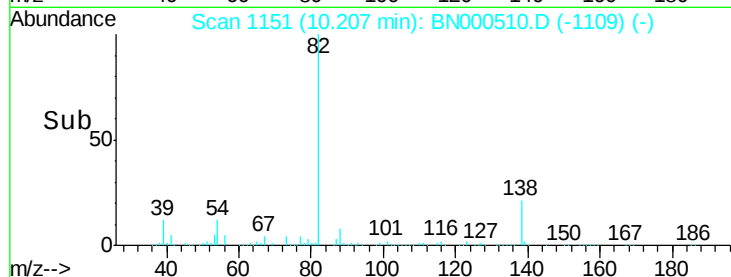
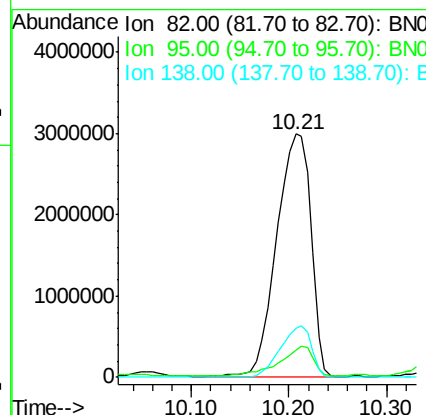
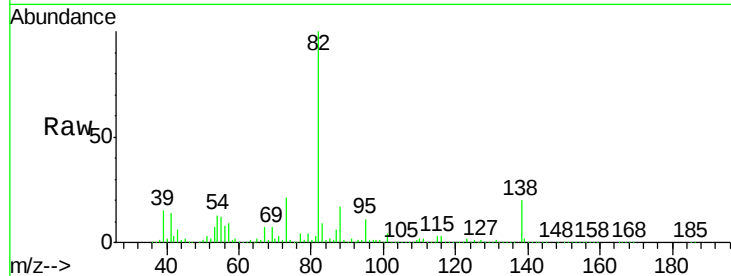
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Isophorone
Concen: 268.393 ng/ul
RT: 10.21 min Scan# 1151
Delta R.T. 0.05 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Instrument :
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ClientSampleId :
DAM49

Tgt Ion: 82 Resp: 7286420
Ion Ratio Lower Upper
82 100
95 11.0 6.1 9.1#
138 19.9 13.5 20.3

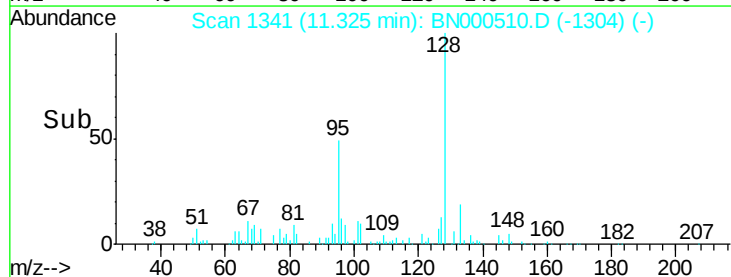
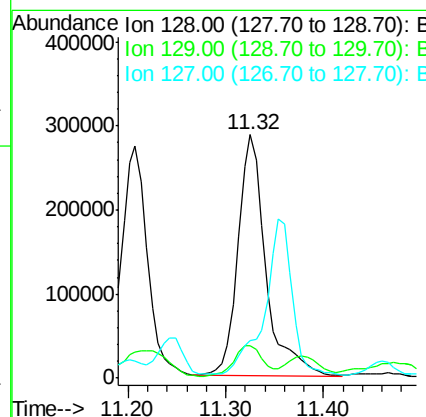
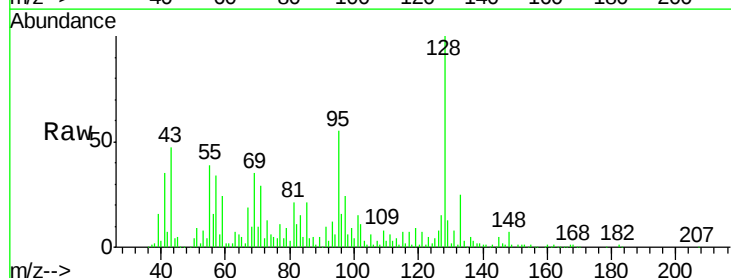
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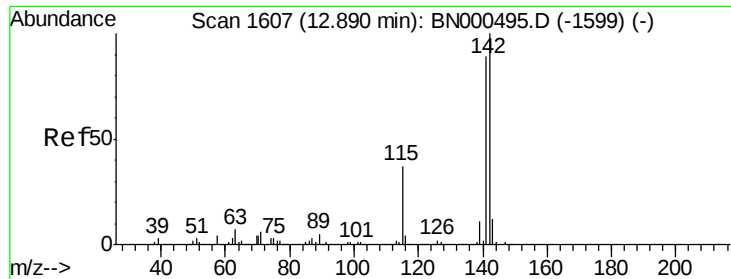
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#28
Naphthalene
Concen: 15.302 ng/ul
RT: 11.32 min Scan# 1341
Delta R.T. 0.02 min
Lab File: BN000510.D
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Tgt Ion: 128 Resp: 570812
Ion Ratio Lower Upper
128 100
129 13.2 8.3 12.5#
127 15.3 10.8 16.2





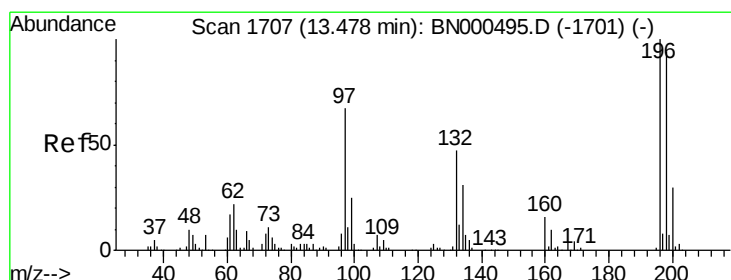
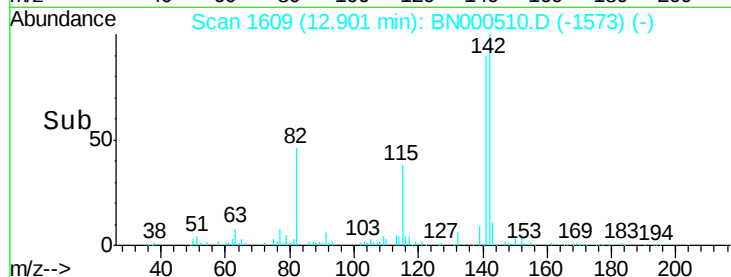
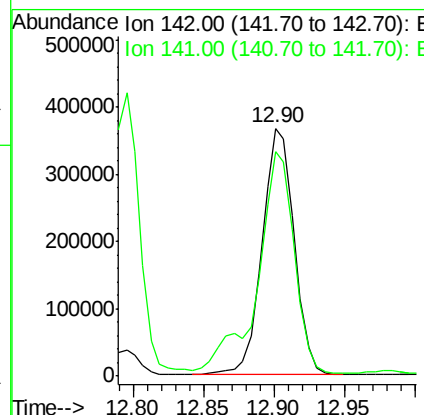
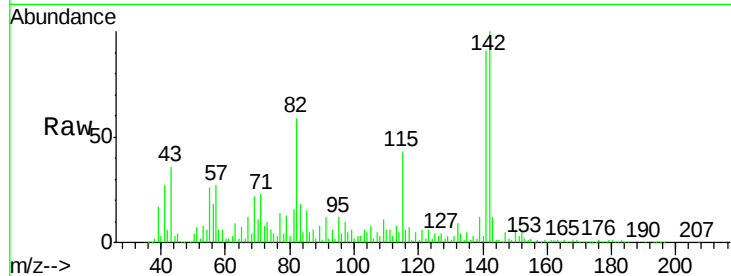
#34
2-Methylnaphthalene
Concen: 23.382 ng/ul
RT: 12.90 min Scan# 1609
Delta R.T. 0.01 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Instrument :
BNA_N
ClientSampled :
DAM49

Tgt Ion:142 Resp: 582330
Ion Ratio Lower Upper
142 100
141 90.9 71.4 107.2

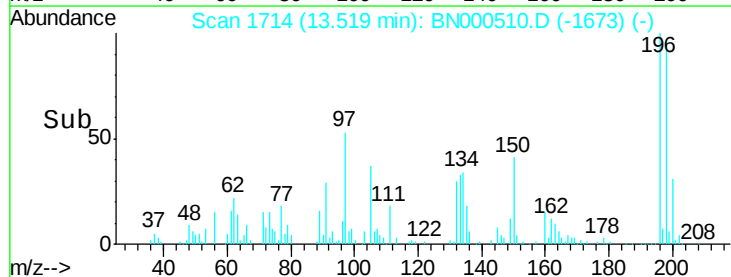
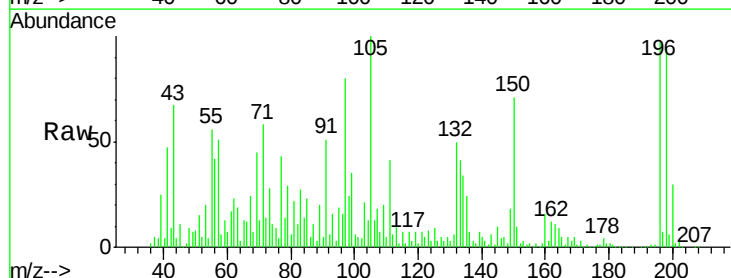
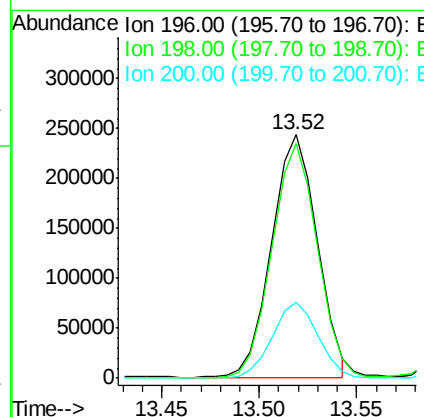
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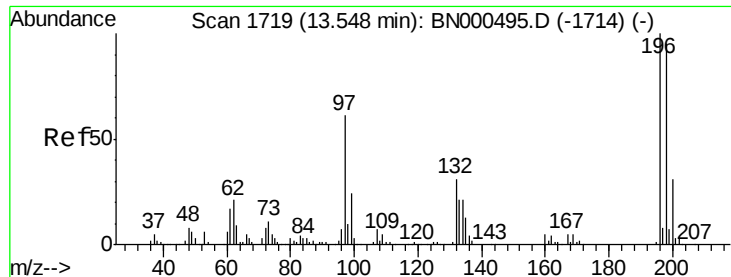
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#38
2,4,6-Trichlorophenol
Concen: 55.115 ng/ul
RT: 13.52 min Scan# 1714
Delta R.T. 0.04 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Tgt Ion:196 Resp: 392705
Ion Ratio Lower Upper
196 100
198 96.3 75.9 113.9
200 31.1 25.8 38.6





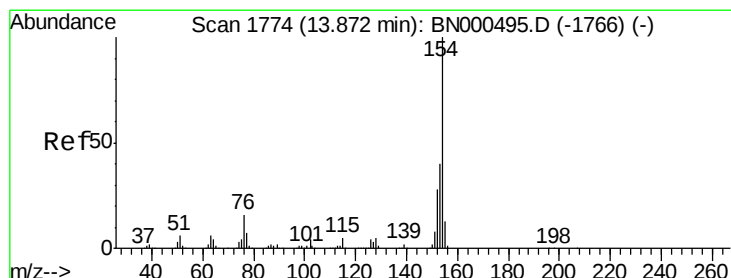
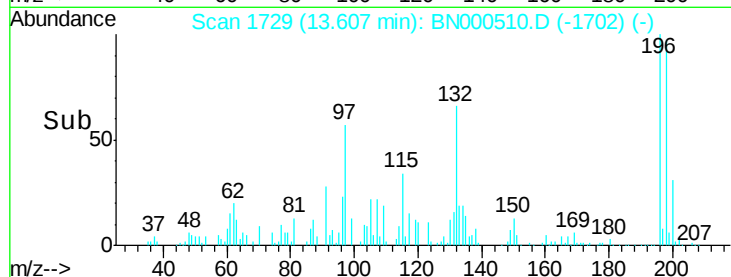
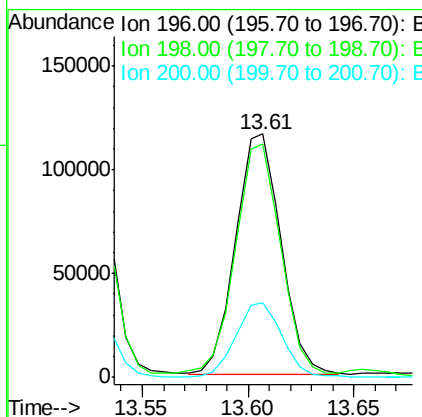
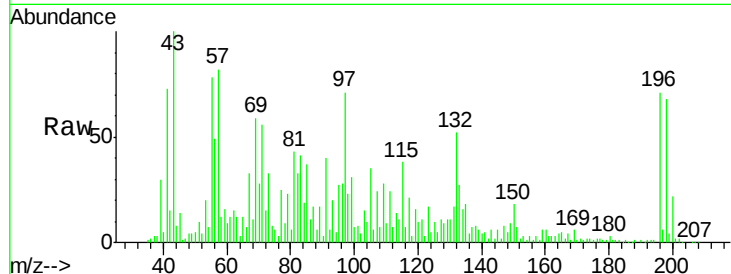
#39
 2,4,5-Trichlorophenol
 Concen: 23.350 ng/ul m
 RT: 13.61 min Scan# 1729
 Delta R.T. 0.06 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

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 ClientSampled :
 DAM49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	173479		
198	95.6	74.7	112.1	
200	30.5	25.4	38.0	

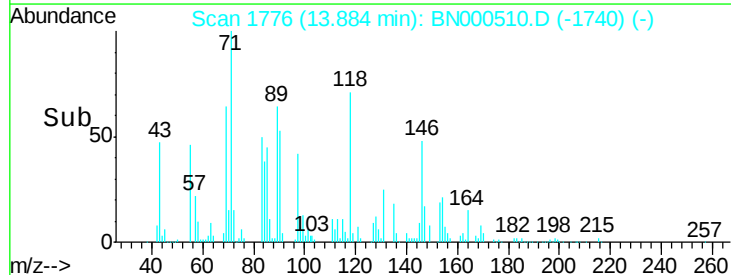
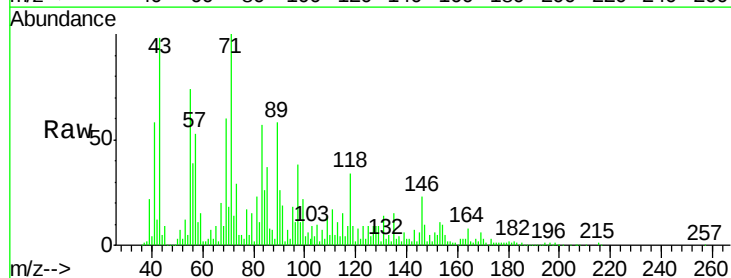
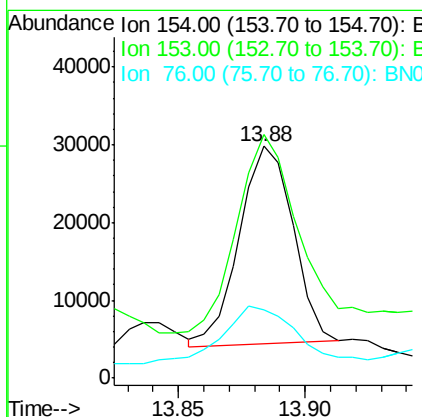
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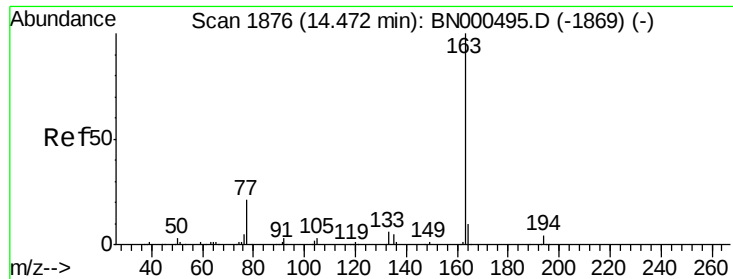
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#40
 1,1'-Biphenyl
 Concen: 1.259 ng/ul
 RT: 13.88 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	37472		
153	105.0	34.0	51.0#	
76	29.5	8.4	12.6#	





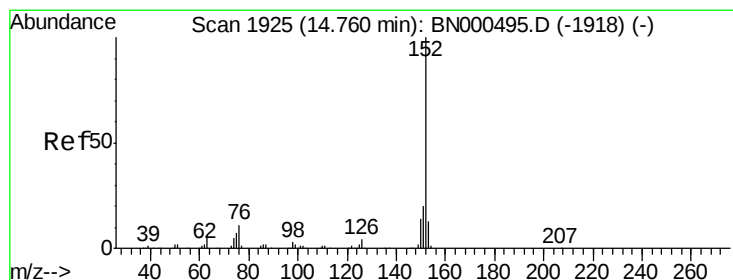
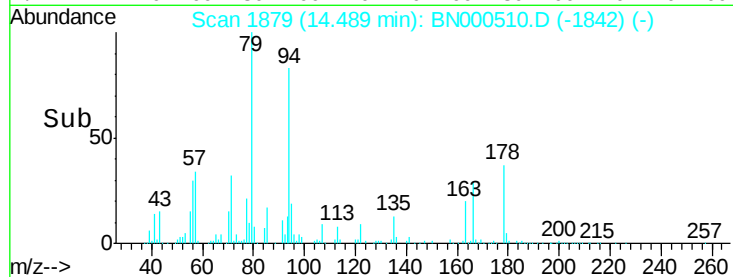
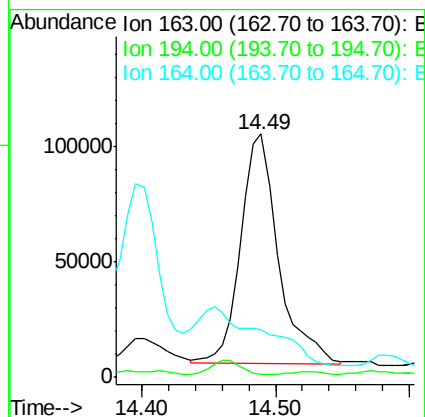
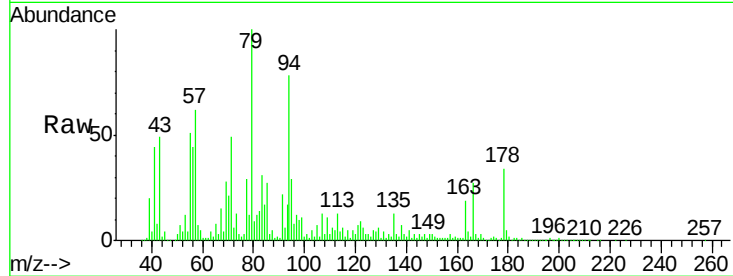
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Dimethylphthalate
Concen: 7.103 ng/ul
RT: 14.49 min Scan# 1879
Delta R.T. 0.02 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	194084		
194	1.4	4.0	6.0#	
164	19.5	8.4	12.6#	

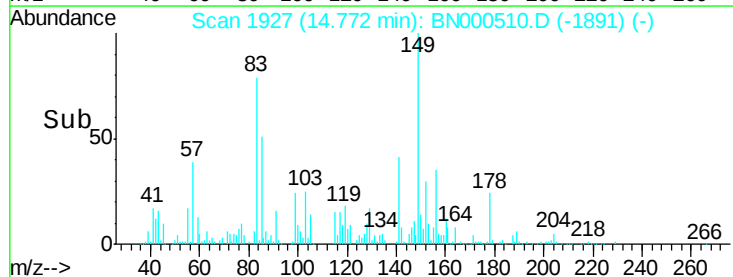
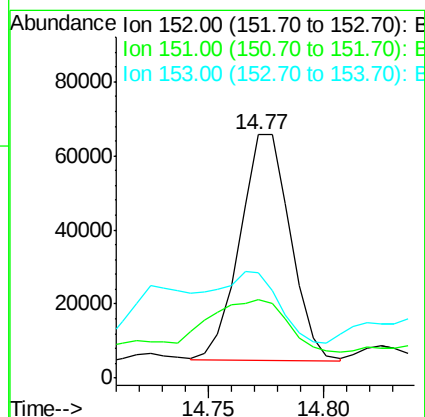
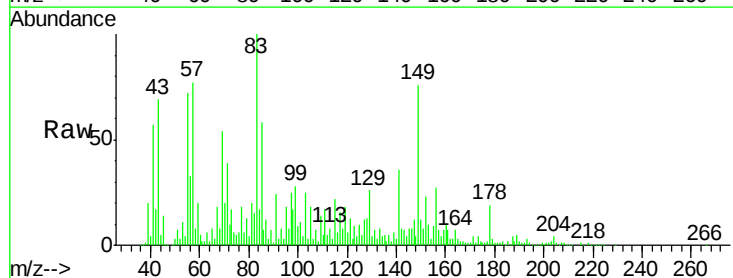
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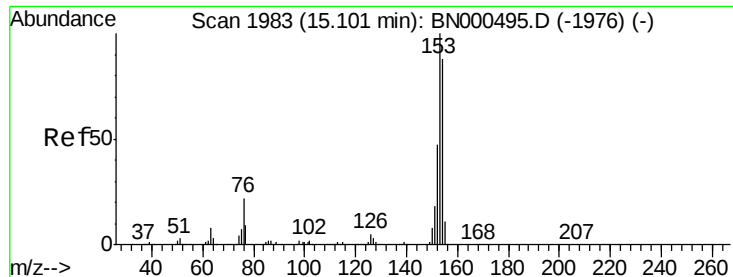
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#47
Acenaphthylene
Concen: 2.602 ng/ul
RT: 14.77 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	92906		
151	32.4	16.1	24.1#	
153	43.2	10.8	16.2#	





#49

Acenaphthene

Concen: 5.682 ng/ul

RT: 15.11 min Scan# 1984

Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

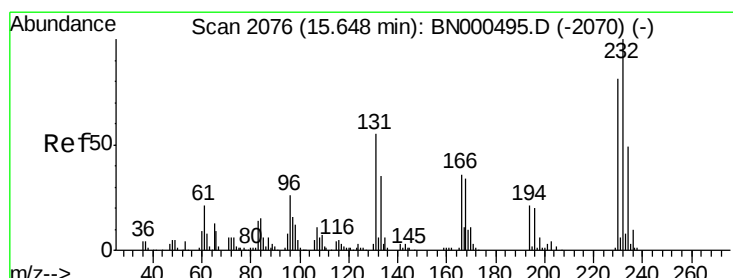
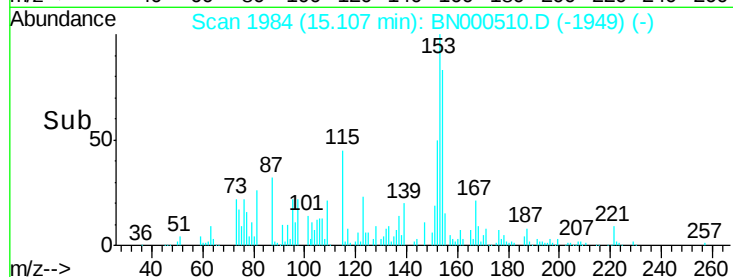
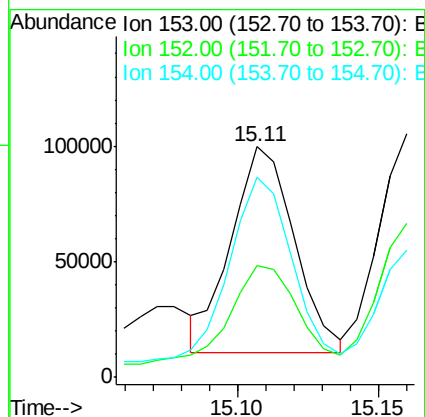
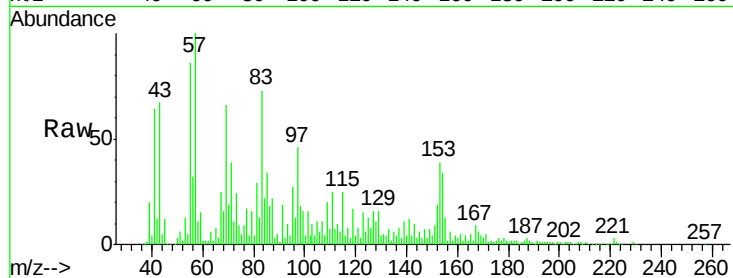
ClientSampleId :

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Tgt Ion:	153	Resp:	138311
Ion Ratio	Lower	Upper	
153	100		
152	48.7	37.9	56.9
154	86.7	69.8	104.6

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#55

2,3,4,6-Tetrachlorophenol

Concen: 3115.035 ng/ul m

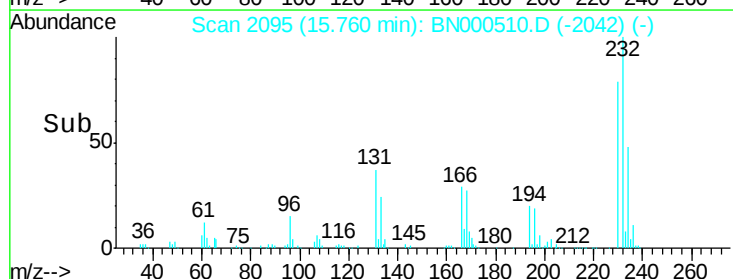
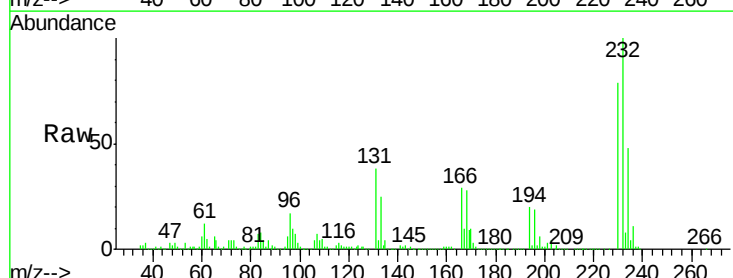
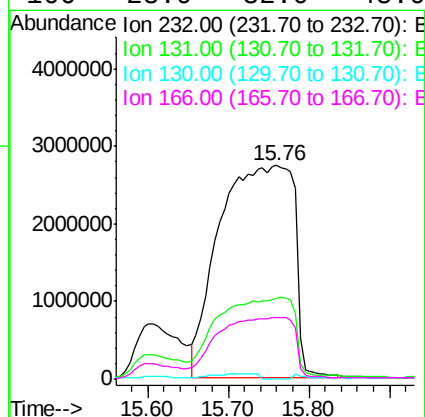
RT: 15.76 min Scan# 2095

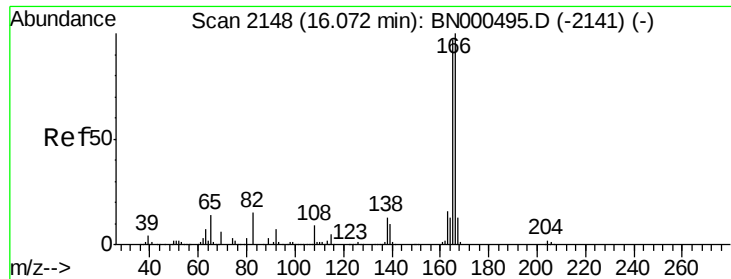
Delta R.T. 0.11 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt Ion:	232	Resp:	17672668
Ion Ratio	Lower	Upper	
232	100		
131	38.0	48.0	72.0#
130	0.0	4.0	6.0#
166	28.9	32.0	48.0#





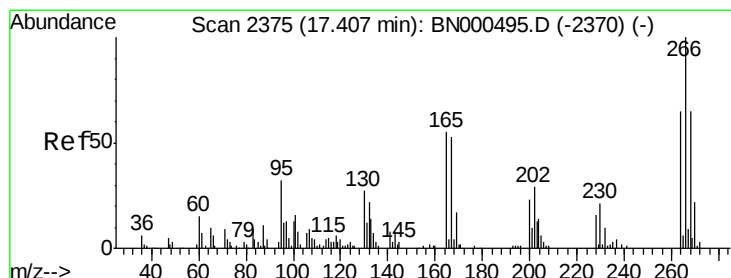
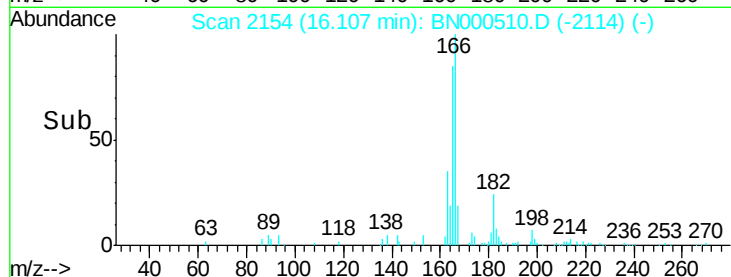
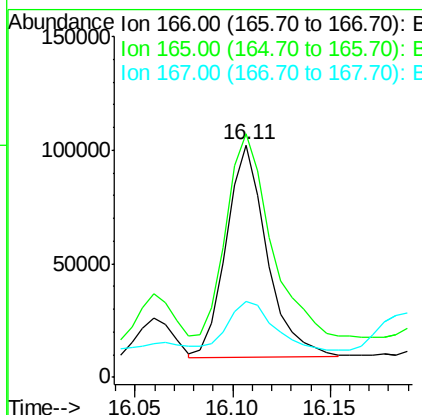
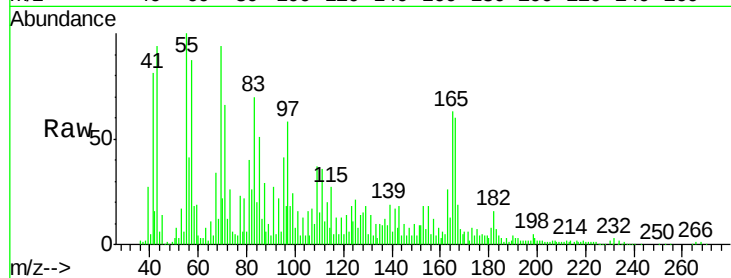
#58
 Fluorene
 Concen: 5.179 ng/ul
 RT: 16.11 min Scan# 2154
 Delta R.T. 0.04 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

Instrument :
 BNA_N
 ClientSampled :
 DAM49

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.8	78.4	117.6
167	32.5	11.1	16.7#

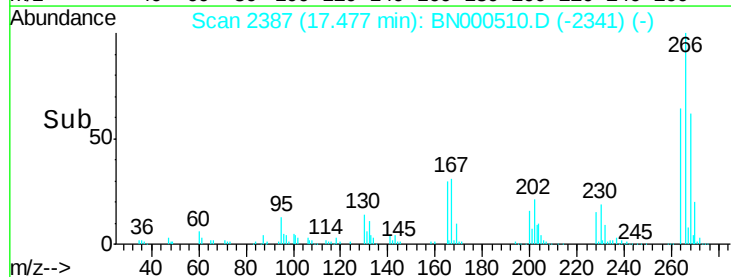
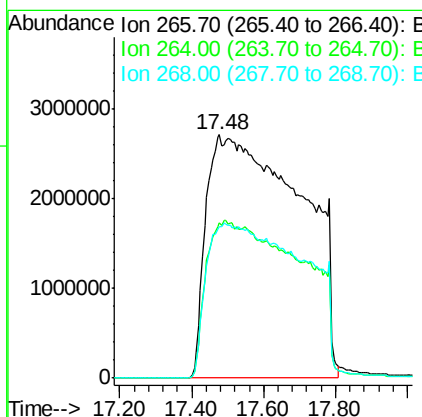
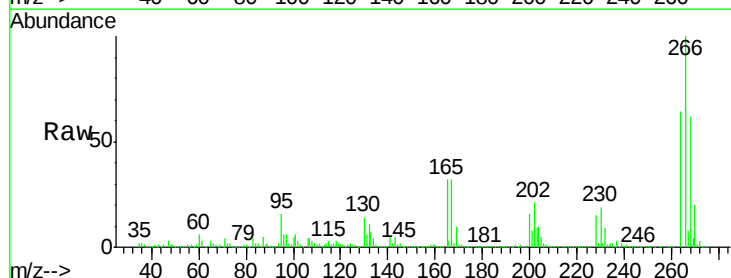
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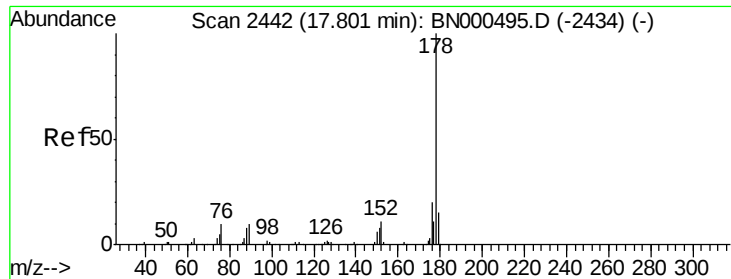
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#68
 Pentachlorophenol
 Concen: 13950.160 ng/ul m
 RT: 17.48 min Scan# 2387
 Delta R.T. 0.07 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.9	48.2	72.4
268	62.3	52.3	78.5





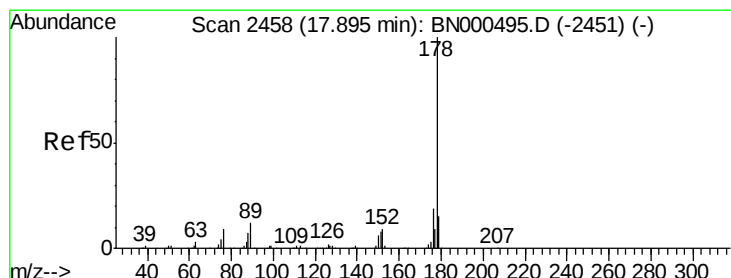
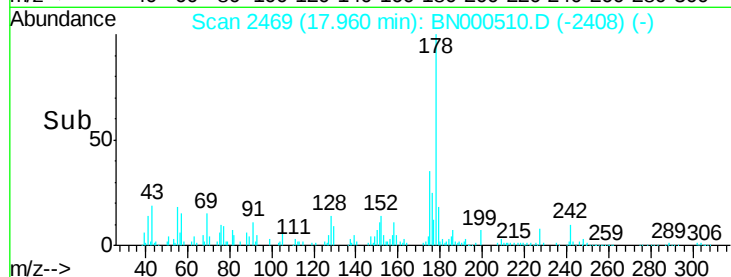
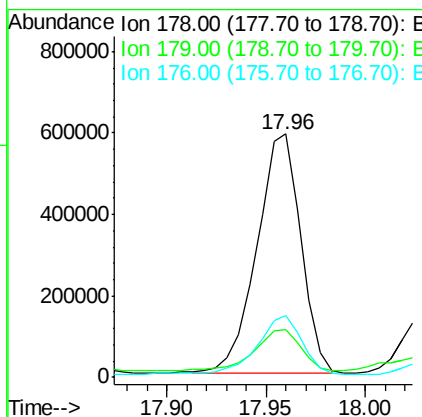
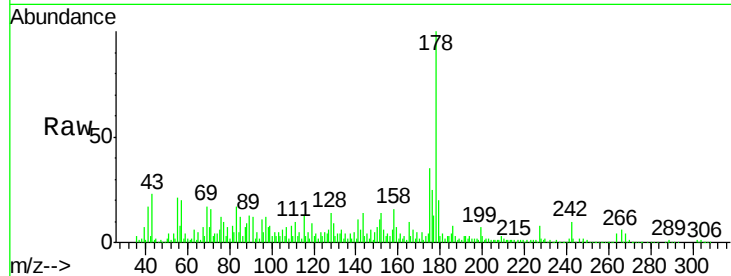
#69
Phenanthrene
Concen: 25.034 ng/ul m
RT: 17.96 min Scan# 2469
Delta R.T. 0.16 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Instrument :
BNA_N
ClientSampleId :
DAM49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.6	12.3	18.5#
176	25.2	15.4	23.0#

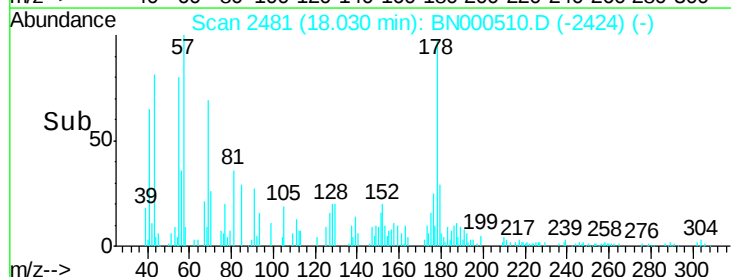
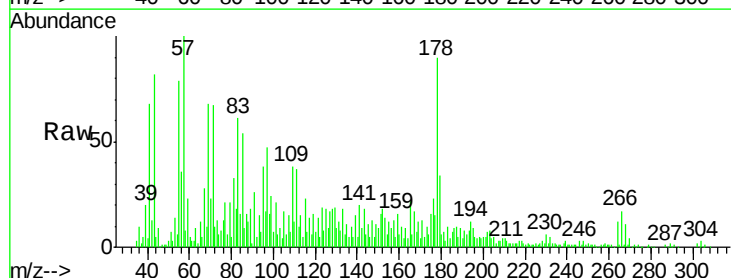
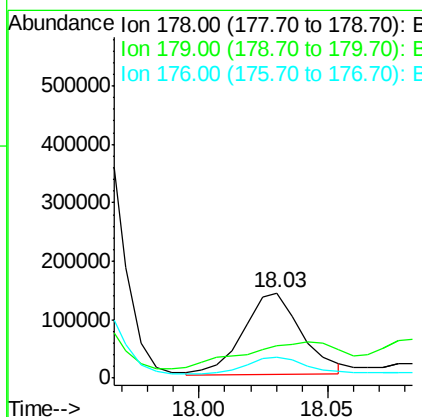
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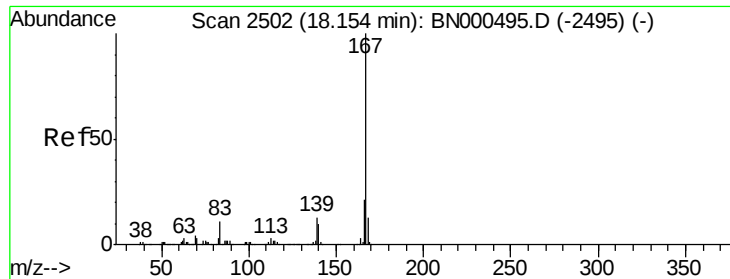
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#71
Anthracene
Concen: 5.917 ng/ul m
RT: 18.03 min Scan# 2481
Delta R.T. 0.14 min
Lab File: BN000510.D
Acq: 21 Mar 2018 01:19

Tgt Ion	Ratio	Lower	Upper
178	100		
179	37.5	13.4	20.2#
176	25.1	15.4	23.0#





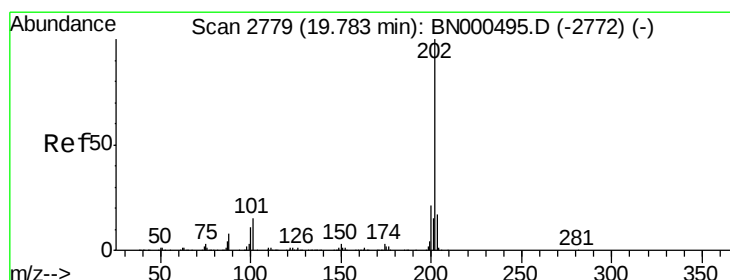
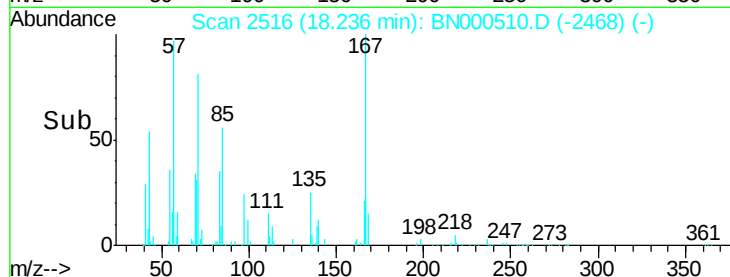
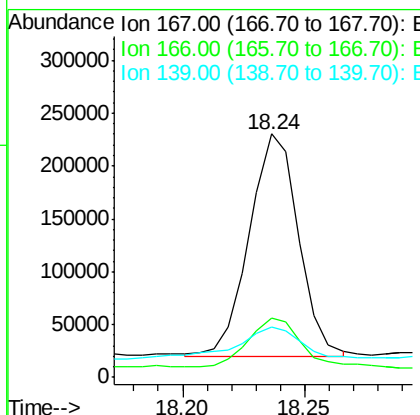
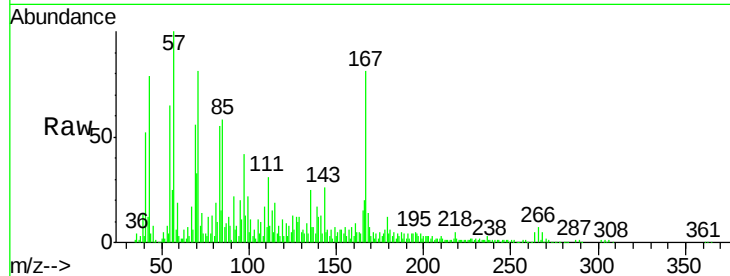
#72
 Carbazole
 Concen: 9.391 ng/ul m
 RT: 18.24 min Scan# 2516
 Delta R.T. 0.08 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

Instrument :
 BNA_N
 ClientSampleId :
 DAM49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.0	25.4
139	20.7	9.1	13.7#

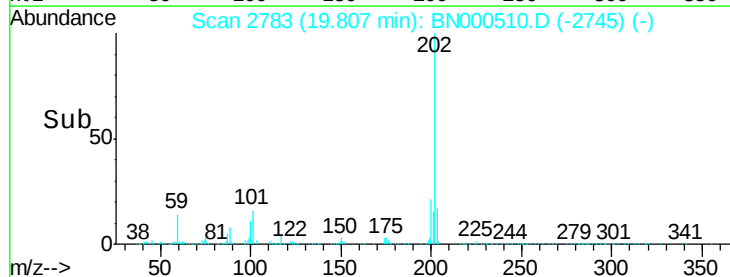
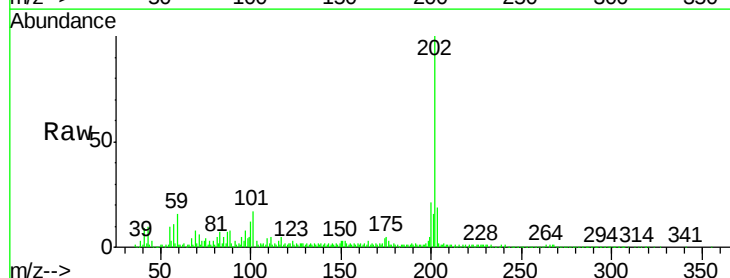
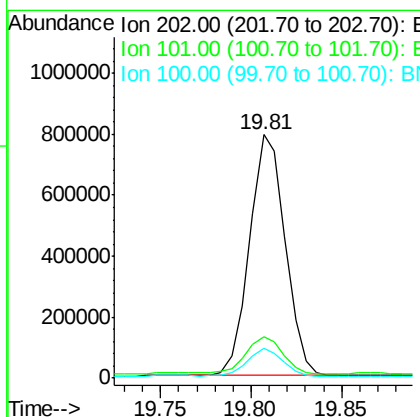
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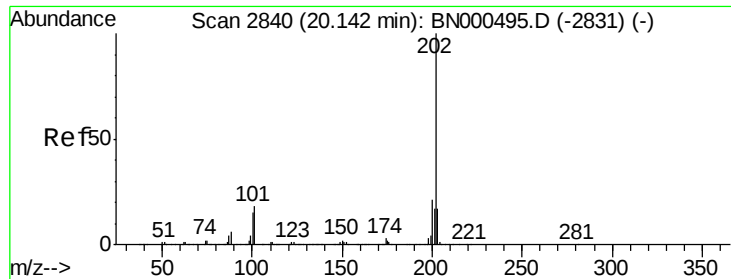
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#74
 Fluoranthene
 Concen: 30.376 ng/ul
 RT: 19.81 min Scan# 2783
 Delta R.T. 0.02 min
 Lab File: BN000510.D
 Acq: 21 Mar 2018 01:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.2	6.1	9.1#
100	12.1	4.6	7.0#





#77

Pyrene

Concen: 18.589 ng/ul

RT: 20.17 min Scan# 2844

Delta R.T. 0.02 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

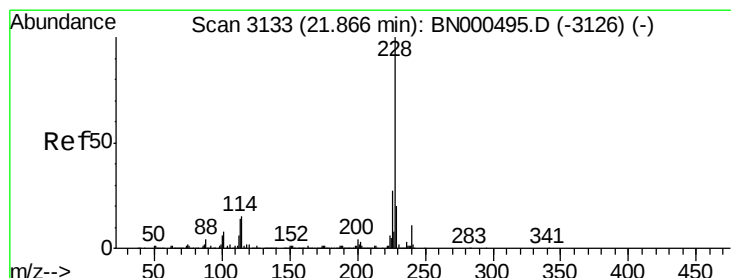
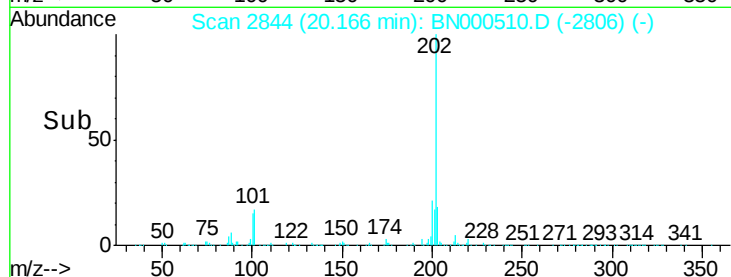
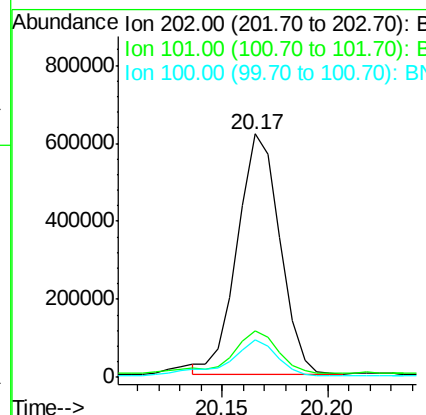
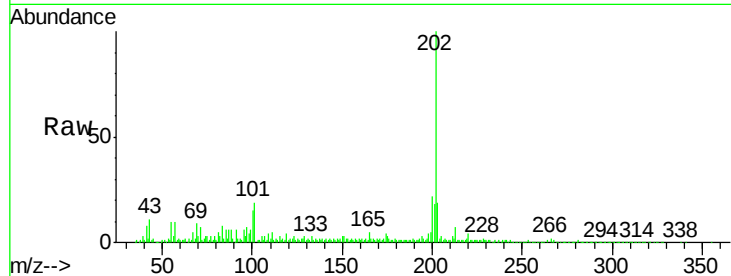
ClientSampleId :

DAM49

Tgt	Ion	202	Resp	855821
Ion	Ratio	Lower	Upper	
202	100			
101	18.9	6.9	10.3#	
100	15.4	5.6	8.4#	

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#80

Benzo(a)anthracene

Concen: 6.443 ng/ul

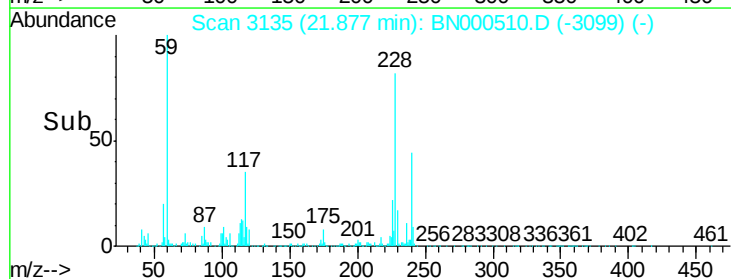
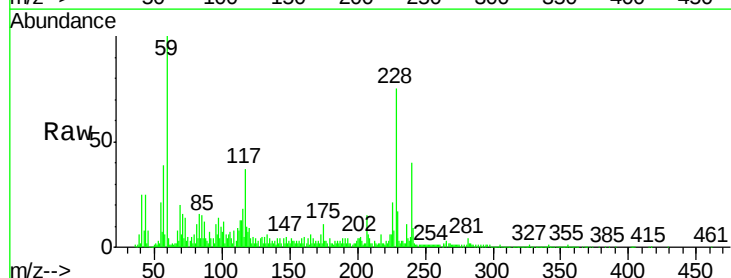
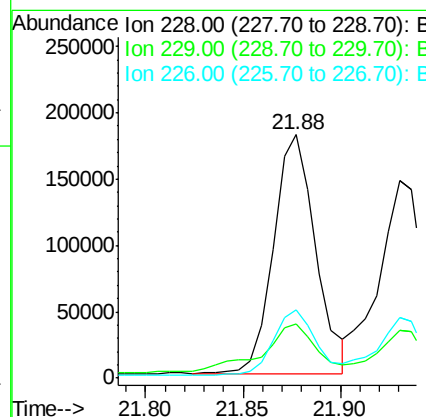
RT: 21.88 min Scan# 3135

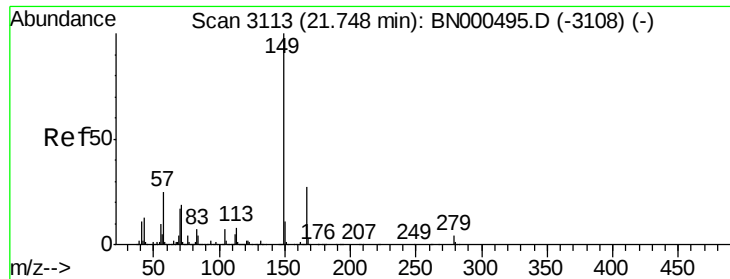
Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt	Ion	228	Resp	270574
Ion	Ratio	Lower	Upper	
228	100			
229	22.5	16.0	24.0	
226	27.9	21.8	32.8	





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.122 ng/ul

RT: 21.75 min Scan# 3114

Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

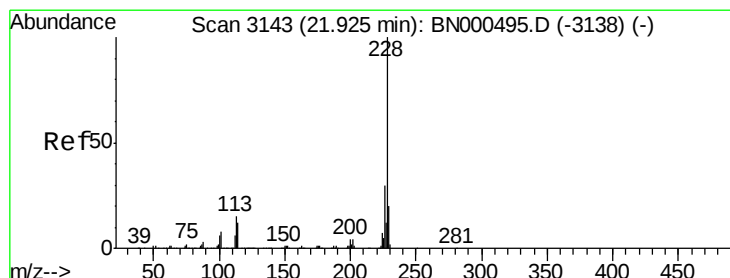
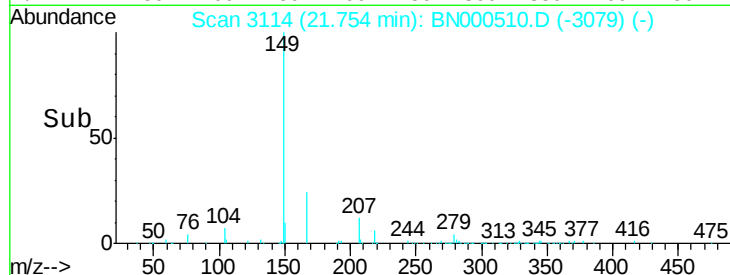
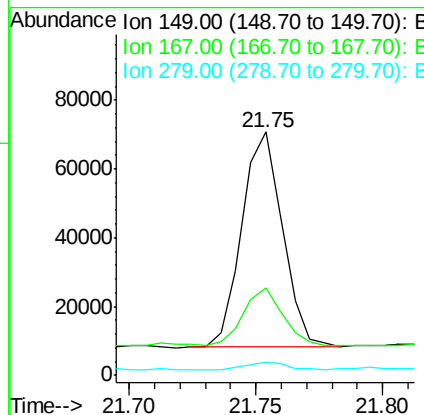
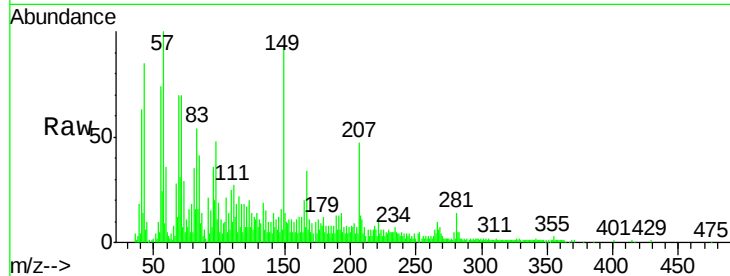
ClientSampleId :

DAM49

Tgt Ion:	149	Resp:	70453
Ion Ratio	Lower	Upper	
149	100		
167	36.0	23.0	34.6#
279	5.6	4.3	6.5

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#82

Chrysene

Concen: 5.963 ng/ul m

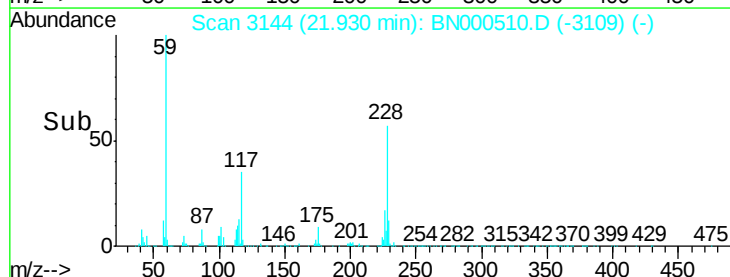
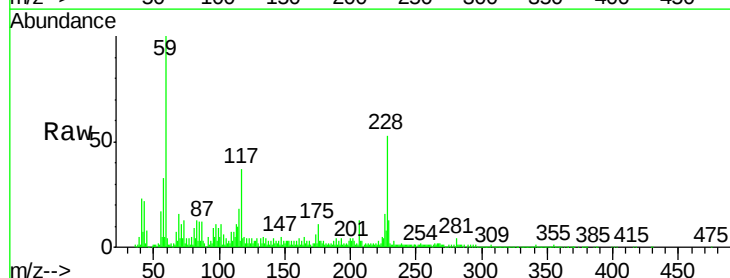
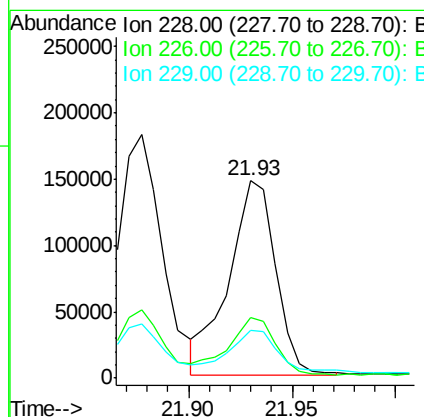
RT: 21.93 min Scan# 3144

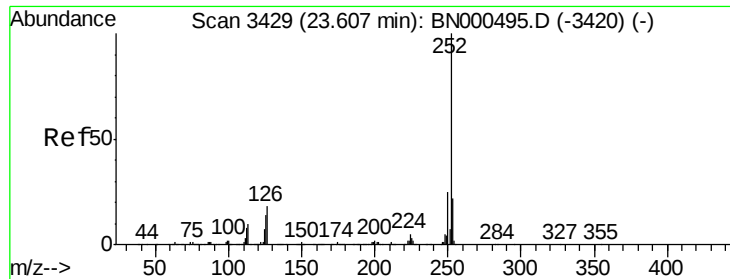
Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt Ion:	228	Resp:	234789
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.1	36.1
229	24.3	16.0	24.0#





#85

Benzo(b)fluoranthene

Concen: 5.705 ng/ul

RT: 23.62 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

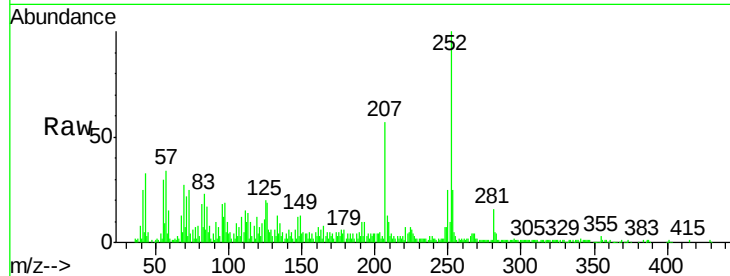
ClientSampleId :

DAM49

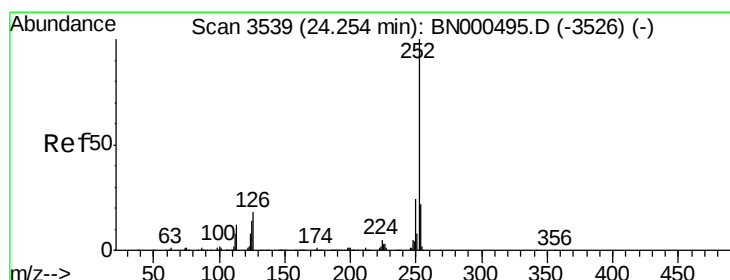
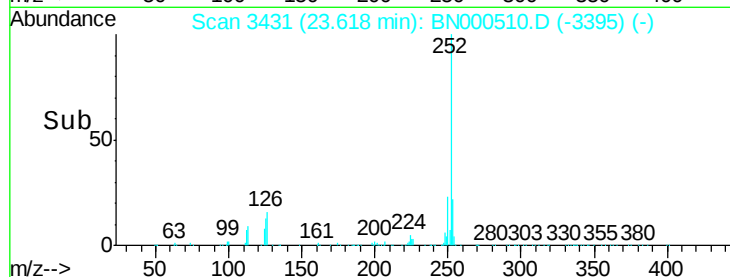
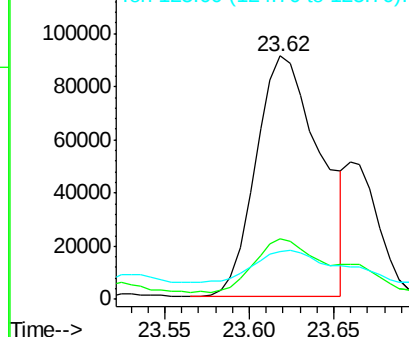
Tgt Ion:	252	Resp:	239317
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.0
125	19.8	4.9	7.3#

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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



#88

Benzo(a)pyrene

Concen: 3.700 ng/ul

RT: 24.27 min Scan# 3541

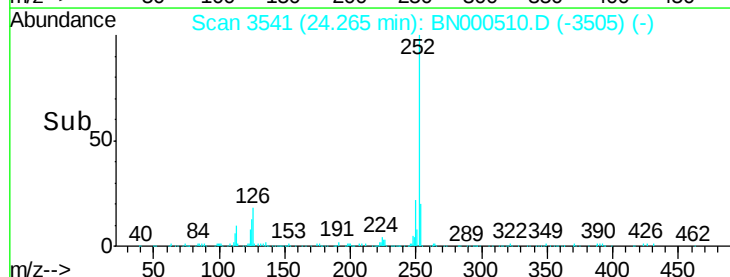
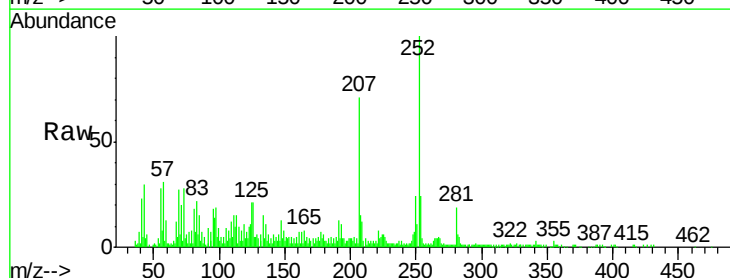
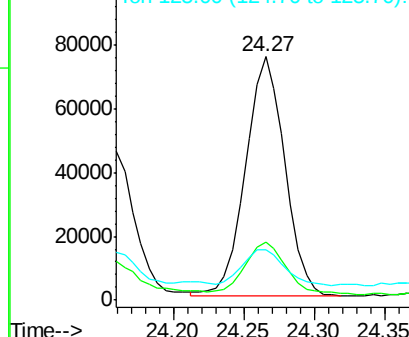
Delta R.T. 0.01 min

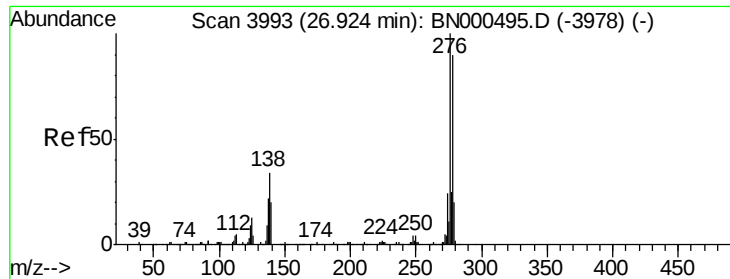
Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt Ion:	252	Resp:	146081
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	20.5	5.8	8.6#

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: 1.810 ng/ul

RT: 26.94 min Scan# 3995

Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Instrument :

BNA_N

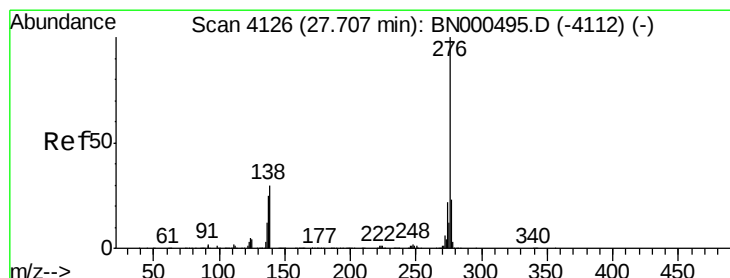
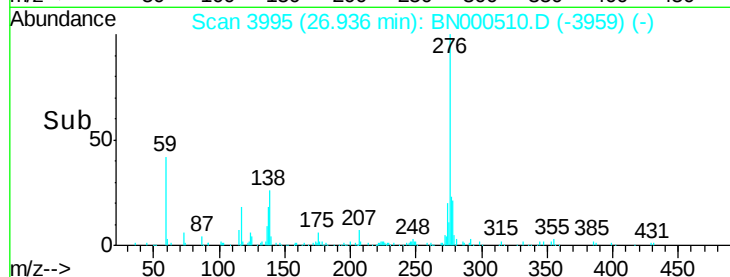
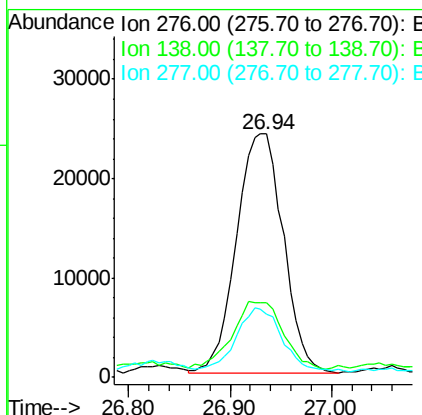
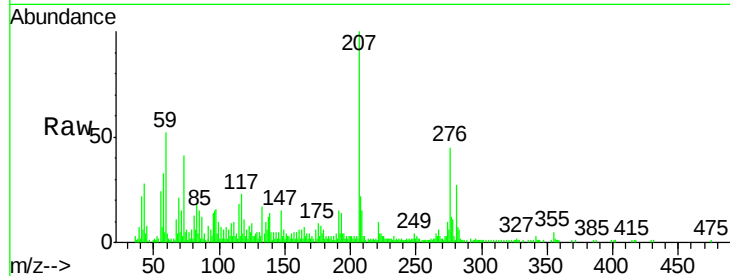
ClientSampled :

DAM49

Tgt Ion:	276	Resp:	77045
Ion Ratio	Lower	Upper	
276	100		
138	30.7	10.9	16.3#
277	25.7	18.9	28.3

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 1.834 ng/ul

RT: 27.72 min Scan# 4128

Delta R.T. 0.01 min

Lab File: BN000510.D

Acq: 21 Mar 2018 01:19

Tgt Ion:	276	Resp:	64871
Ion Ratio	Lower	Upper	
276	100		
138	30.1	11.2	16.8#
277	25.0	19.0	28.6

