

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
 Data File : BN005994.D
 Acq On : 31 May 2019 23:29
 Operator : JU/SJ
 Sample : K2928-03DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42B8DL

Manual Integrations
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Quant Time: Jun 01 02:48:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	450582	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	1882669	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	954554	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.16	188	1679783	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1117319	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1349983	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	5232	0.51	ng/uL	0.01
5) Phenol-d5	6.92	99	118037	2.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	69094	3.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	94974	3.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	91668	2.84	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	45401	3.76	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	43848	3.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	90727	3.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	44078	1.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	252858	3.59	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	308909	3.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	24645	1.92	ng/ul	0.00
57) Fluorene-d10	15.40	176	234214	3.97	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	810	0.12	ng/ul	0.00
70) Anthracene-d10	17.25	188	259977	3.64	ng/ul	0.00
78) Pyrene-d10	19.56	212	222932	3.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	212270	3.52	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.59	128	206297	2.309 ng/ul	98
44) Dimethylphthalate	13.85	163	92581	1.316 ng/ul	100
49) Acenaphthene	14.47	153	237932	4.057 ng/ul	99
53) Dibenzofuran	14.80	168	215246	2.600 ng/ul	97
58) Fluorene	15.45	166	335557	5.161 ng/ul	97
69) Phenanthrene	17.20	178	4125827	49.573 ng/ul	98
71) Anthracene	17.29	178	1148880	13.597 ng/ul	99
74) Carbazole	17.56	167	506392	6.653 ng/ul	99
76) Fluoranthene	19.23	202	4688974	52.776 ng/ul	97
79) Pyrene	19.59	202	3797201	53.650 ng/ul	96
82) Benzo(a)anthracene	21.35	228	1862410	26.516 ng/ul	98
84) Chrysene	21.41	228	1588500	24.249 ng/ul	97
87) Benzo(b)fluoranthene	22.98	252	2031757	26.796 ng/ul	97
88) Benzo(k)fluoranthene	23.02	252	736410m	10.563 ng/ul	
90) Benzo(a)pyrene	23.56	252	1484982	20.768 ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.98	276	986957	11.763 ng/ul	98
92) Dibenzo(a,h)anthracene	25.98	278	260590	3.730 ng/ul#	74
93) Benzo(g,h,i)perylene	26.69	276	690003	9.764 ng/ul	92

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

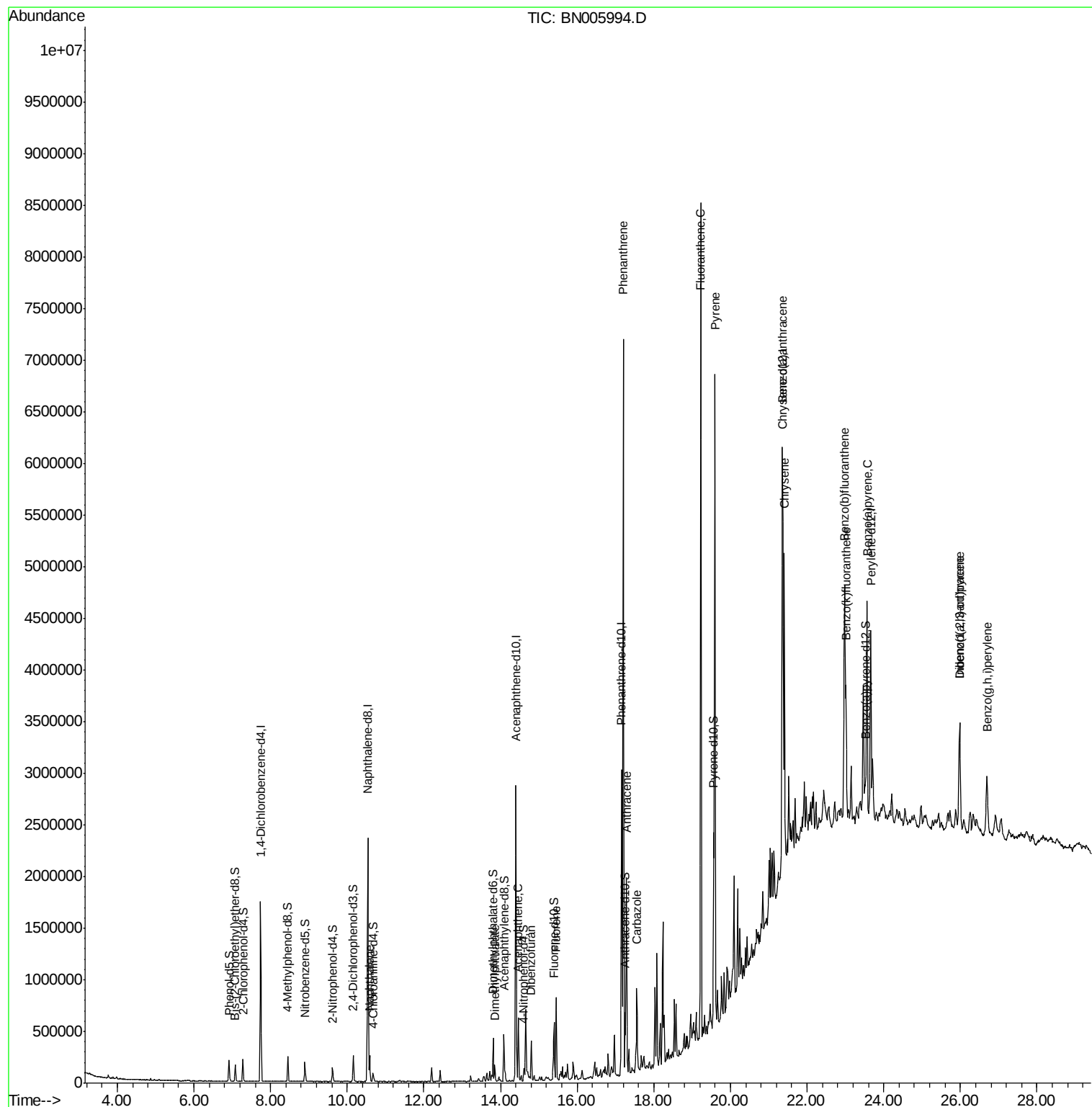
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005994.D
Acq On : 31 May 2019 23:29
Operator : JU/SJ
Sample : K2928-03DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

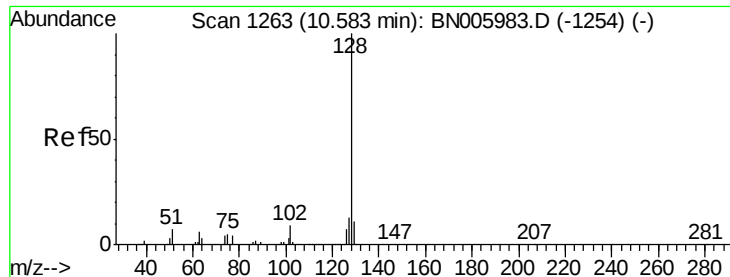
Instrument :
BNA_N
ClientSampleId :
A42B8DL

Quant Time: Jun 01 02:48:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
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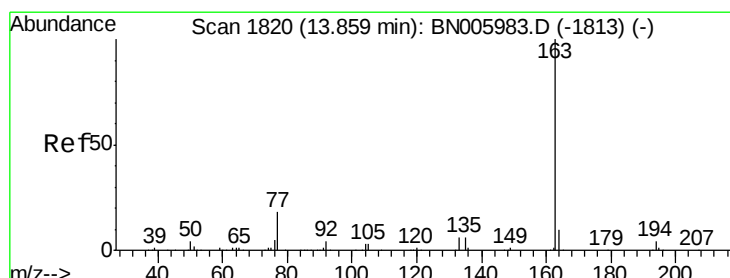
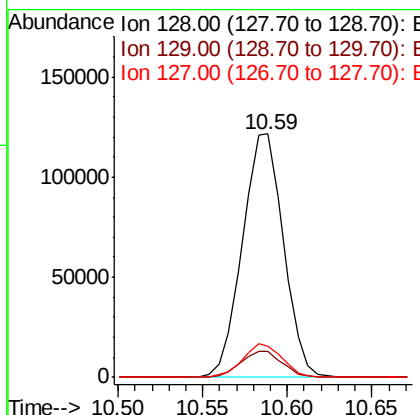
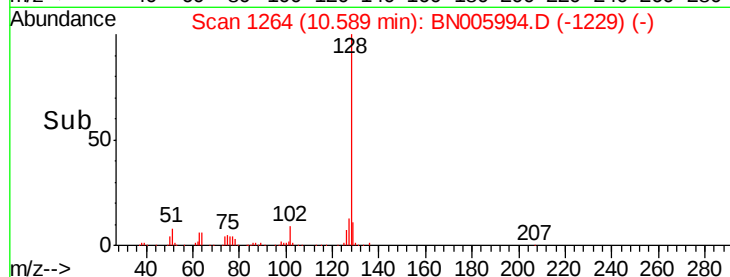
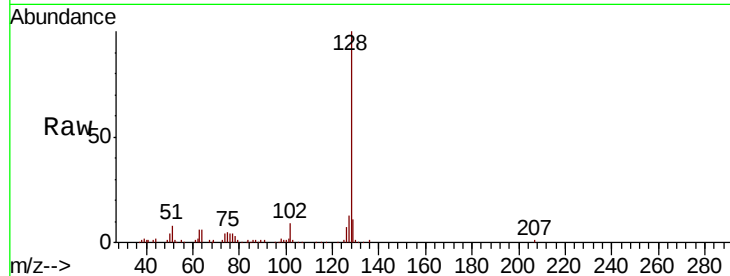
#28
Naphthalene
Concen: 2.309 ng/ul
RT: 10.59 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Instrument :
BNA_N
ClientSampleId :
A42B8DL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	206297		
129	10.6		9.2	13.8
127	12.7		10.7	16.1

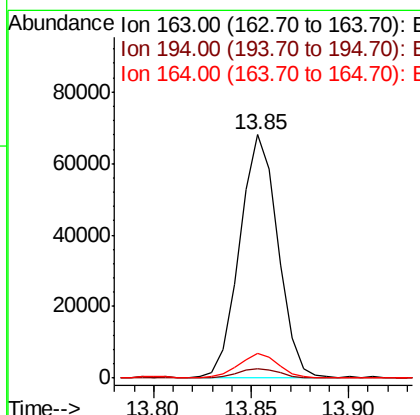
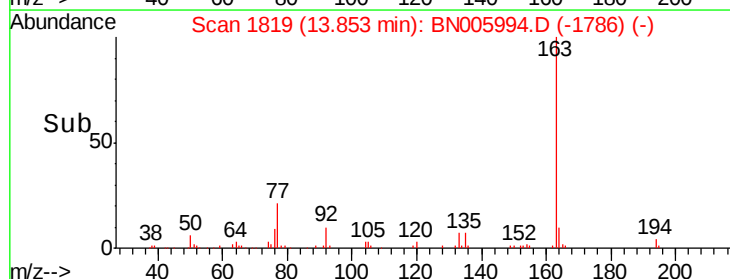
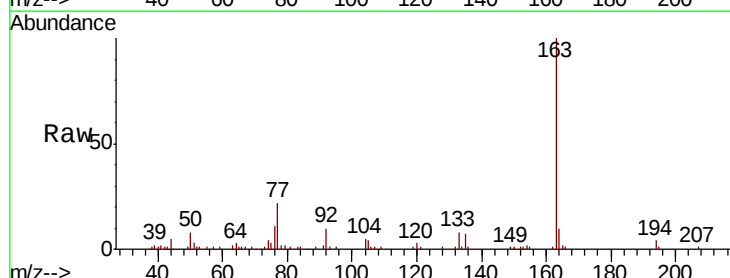
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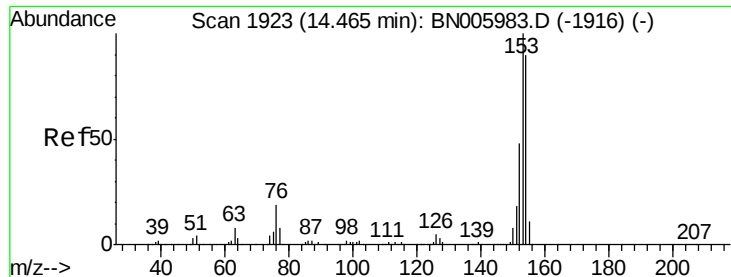
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#44
Dimethylphthalate
Concen: 1.316 ng/ul
RT: 13.85 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	92581		
194	3.9		3.4	5.0
164	10.2		8.1	12.1





#49

Acenaphthene

Concen: 4.057 ng/ul

RT: 14.47 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

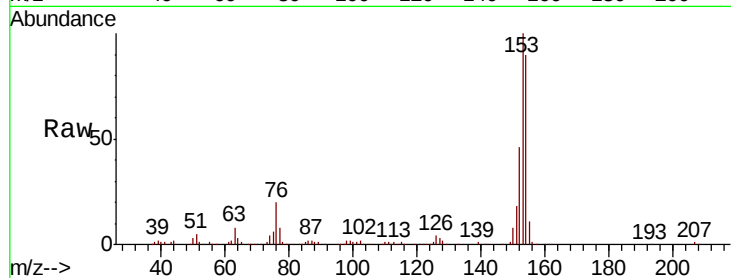
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A42B8DL

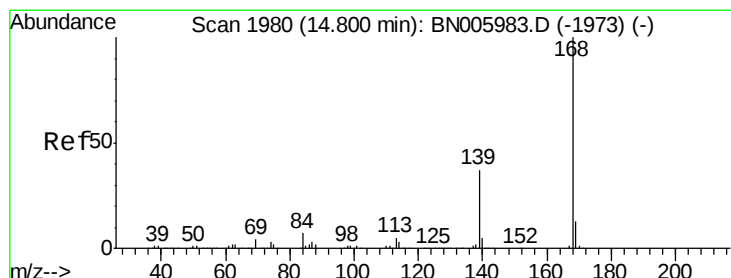
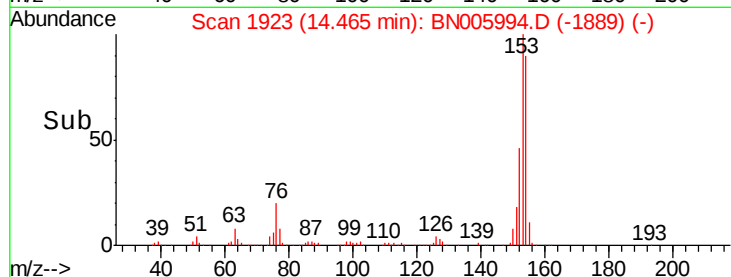
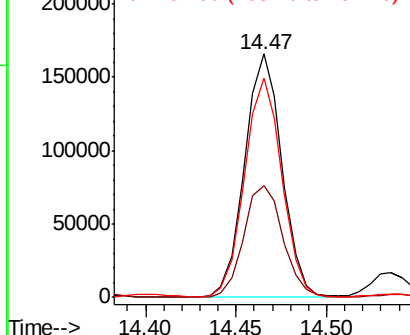
Tot Ion:	153	Resp:	237932
Ion Ratio	Lower	Upper	
153	100		
152	45.9	37.4	56.0
154	90.2	71.2	106.8

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 2.600 ng/ul

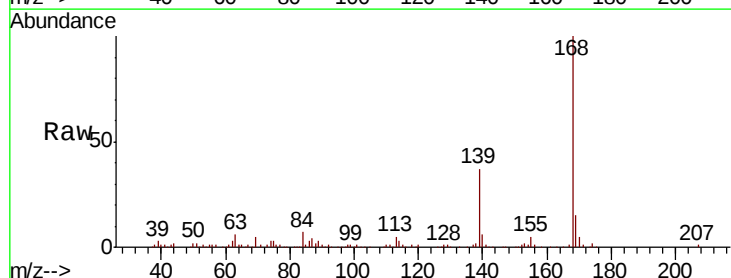
RT: 14.80 min Scan# 1980

Delta R.T. -0.00 min

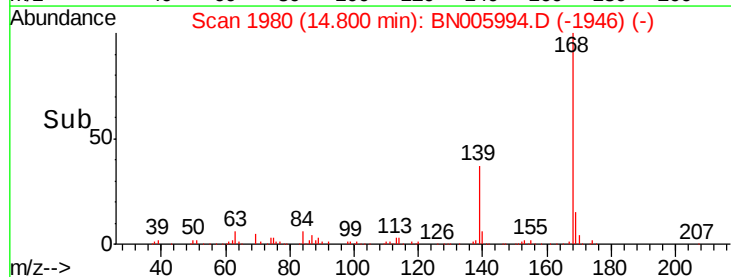
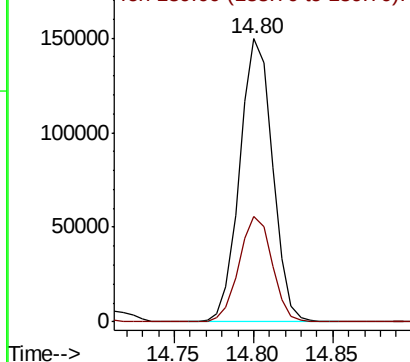
Lab File: BN005994.D

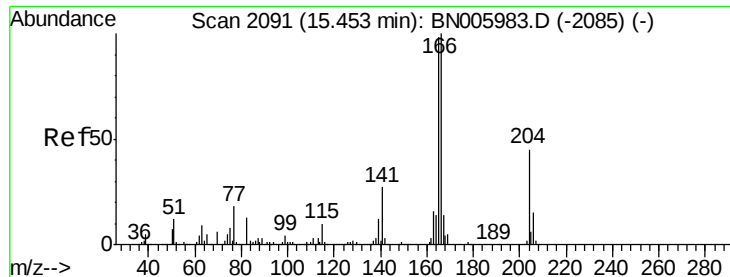
Acq: 31 May 2019 23:29

Tgt Ion:	168	Resp:	215246
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.9	46.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





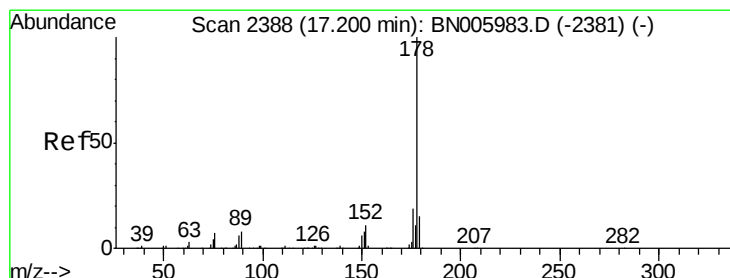
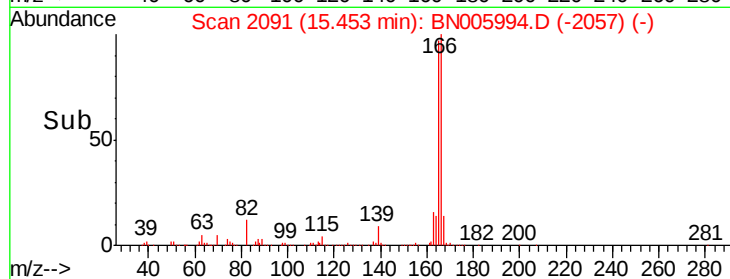
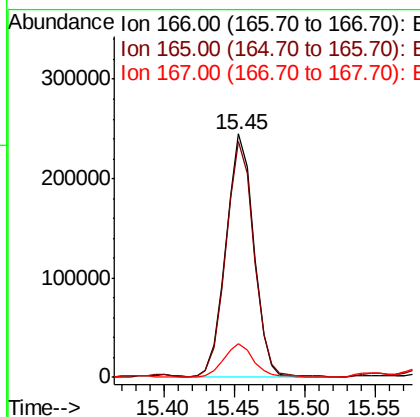
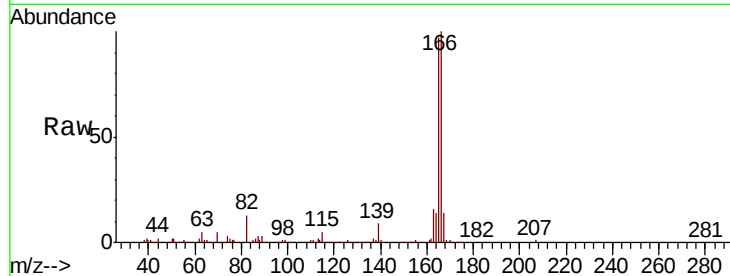
#58
Fluorene
 Concen: 5.161 ng/ul
 RT: 15.45 min Scan# 2091
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Instrument :
 BNA_N
 ClientSampleId :
 A42B8DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.7	80.0	120.0
167	14.0	10.7	16.1

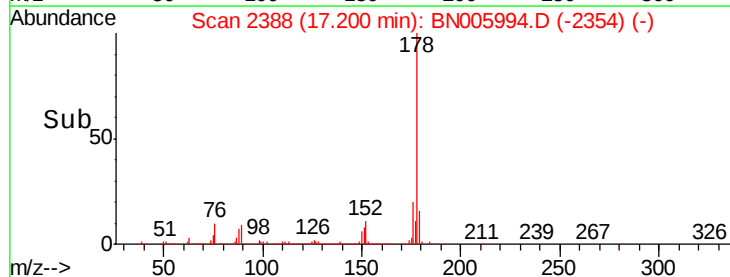
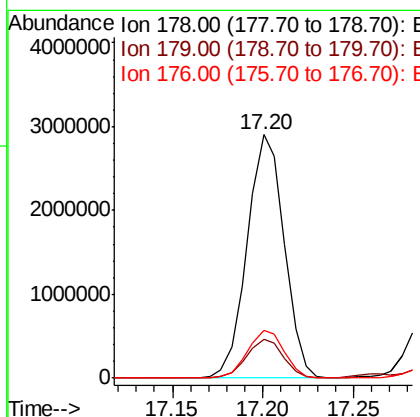
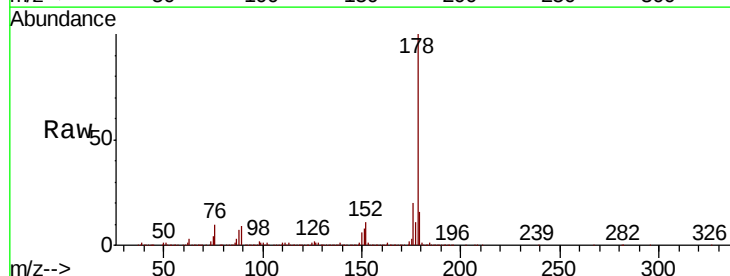
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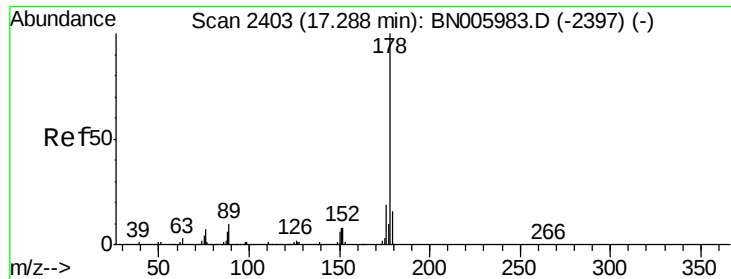
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#69
Phenanthrene
 Concen: 49.573 ng/ul
 RT: 17.20 min Scan# 2388
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.2	18.4
176	19.7	15.1	22.7





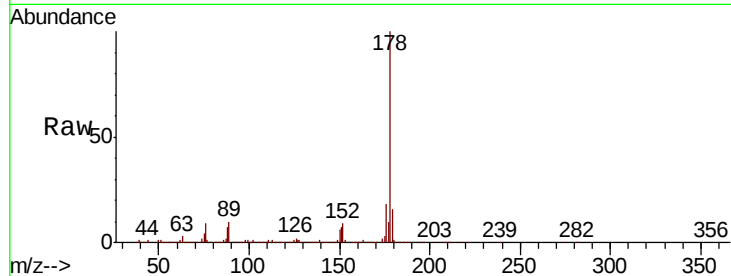
#71
 Anthracene
 Concen: 13.597 ng/ul
 RT: 17.29 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Instrument :
 BNA_N
 ClientSampleId :
 A42B8DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5
176	18.3	15.1	22.7

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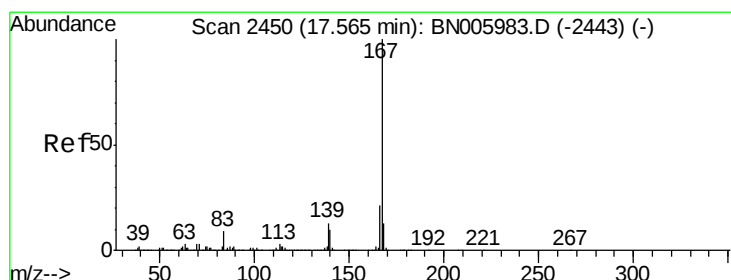
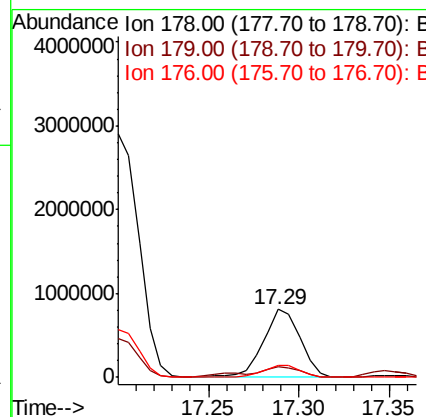
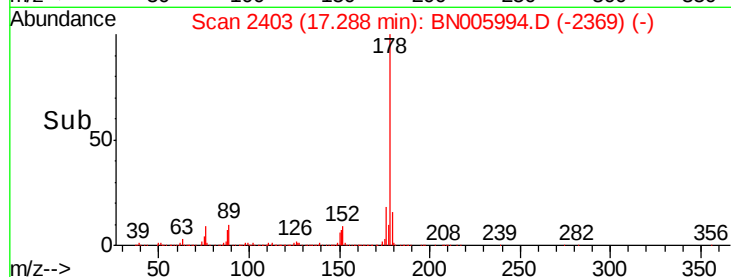


Abundance

Ion 178.00 (177.70 to 178.70): E

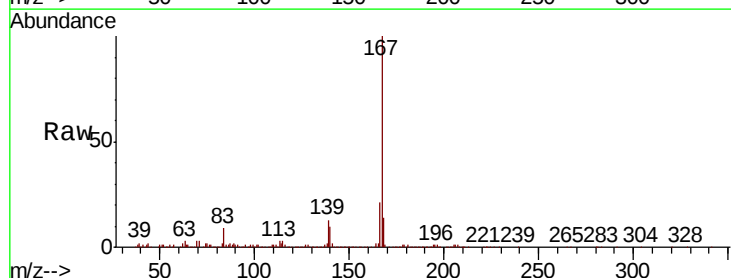
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74
 Carbazole
 Concen: 6.653 ng/ul
 RT: 17.56 min Scan# 2450
 Delta R.T. -0.00 min
 Lab File: BN005994.D
 Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.8	10.6	16.0

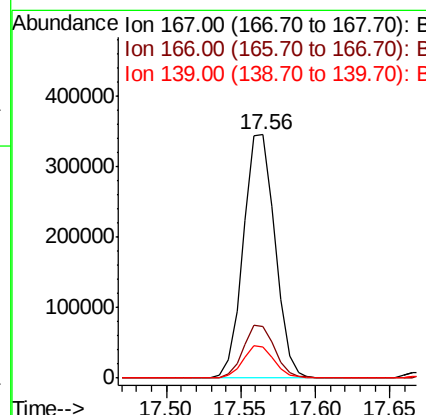
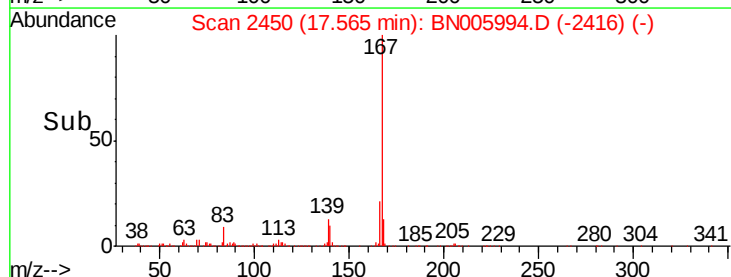


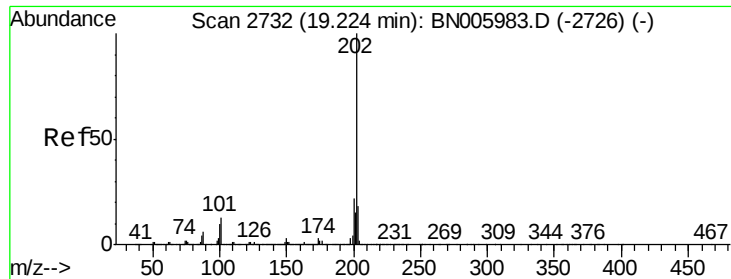
Abundance

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





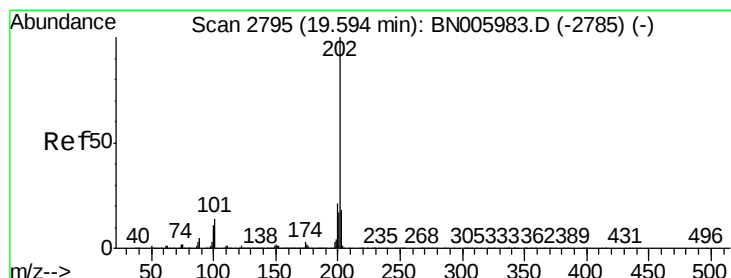
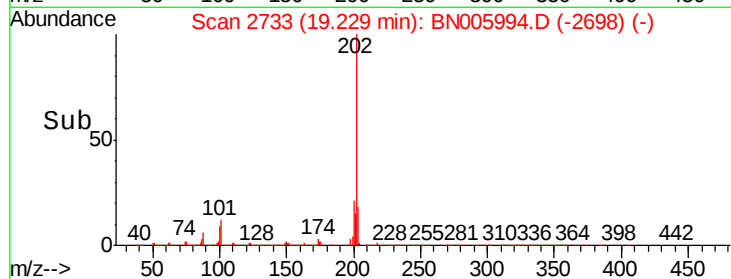
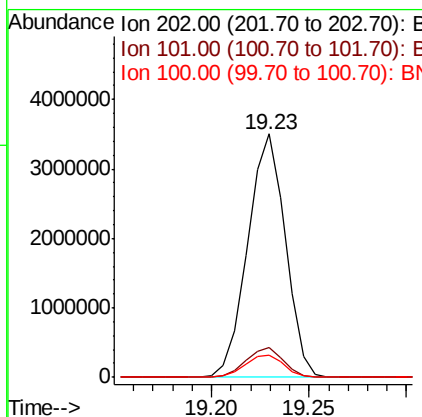
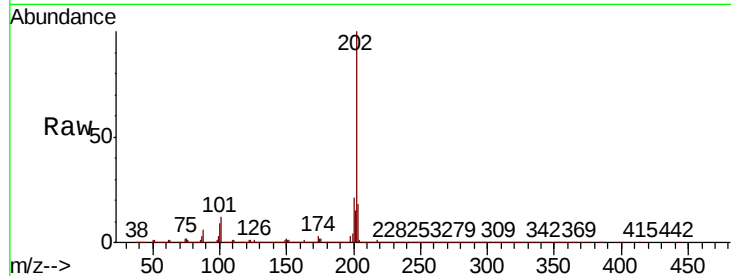
#76
Fluoranthene
Concen: 52.776 ng/ul
RT: 19.23 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Instrument :
BNA_N
ClientSampleId :
A42B8DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.6	12.8
100	9.1	6.3	9.5

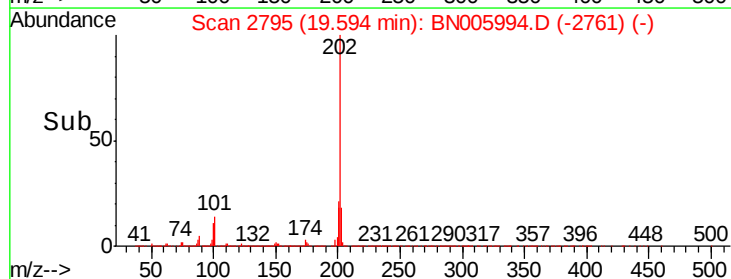
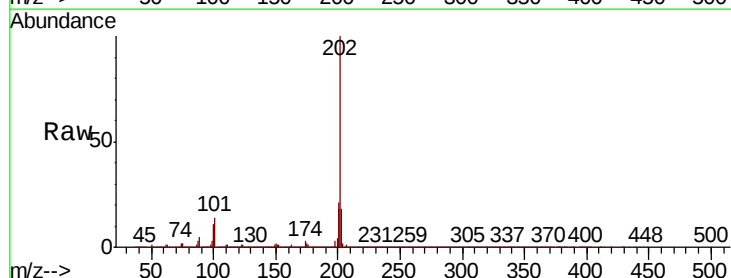
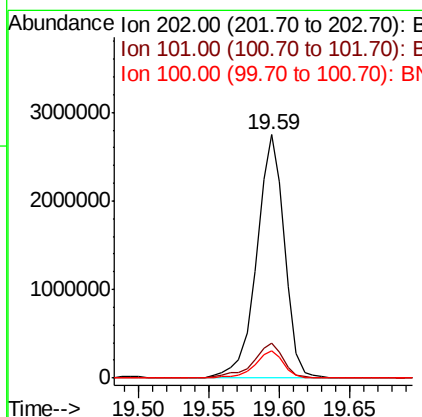
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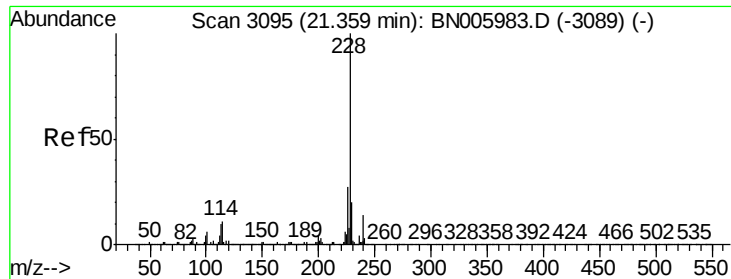
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#79
Pyrene
Concen: 53.650 ng/ul
RT: 19.59 min Scan# 2795
Delta R.T. -0.00 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	10.3	15.5
100	11.3	7.9	11.9





#82

Benzo(a)anthracene

Concen: 26.516 ng/ul

RT: 21.35 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Instrument :

BNA_N

ClientSampleId :

A42B8DL

Tot Ion:228 Resp: 1862410

Ion Ratio Lower Upper

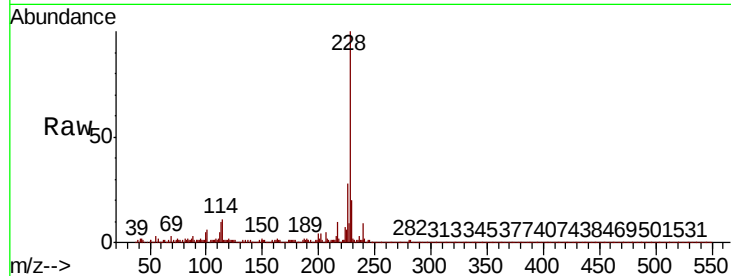
228 100

229 20.5 15.8 23.6

226 28.3 21.4 32.2

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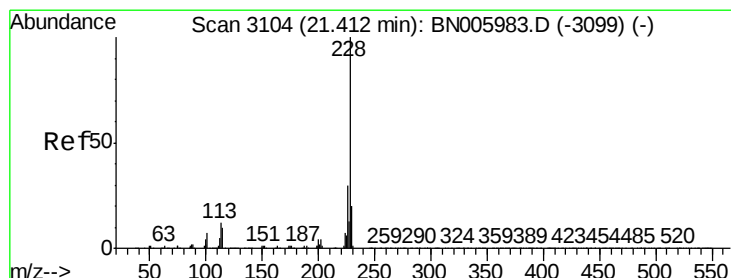
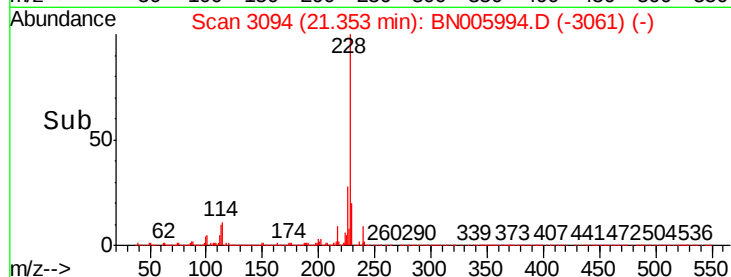
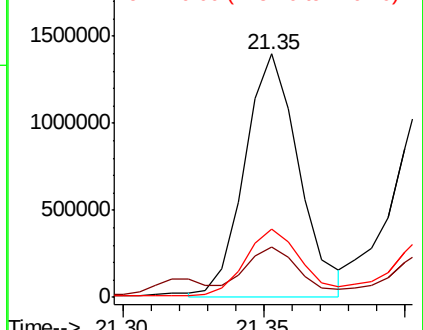


Abundance

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



#84

Chrysene

Concen: 24.249 ng/ul

RT: 21.41 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Tgt Ion:228 Resp: 1588500

Ion Ratio Lower Upper

228 100

226 29.5 24.0 36.0

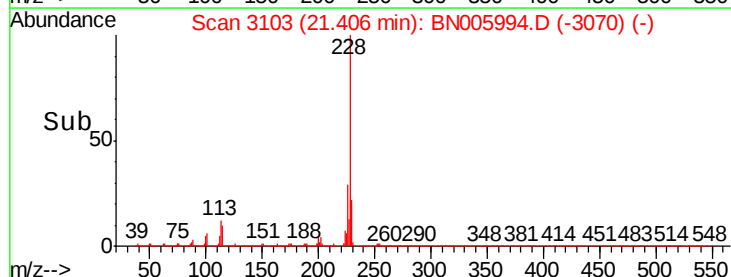
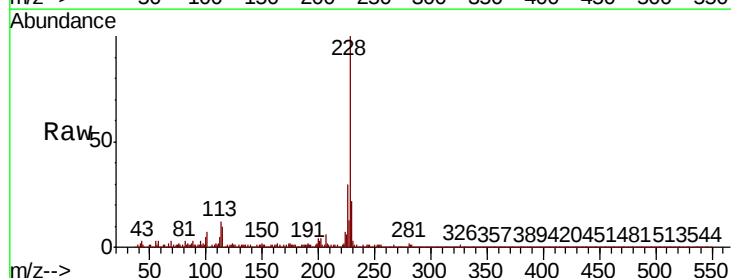
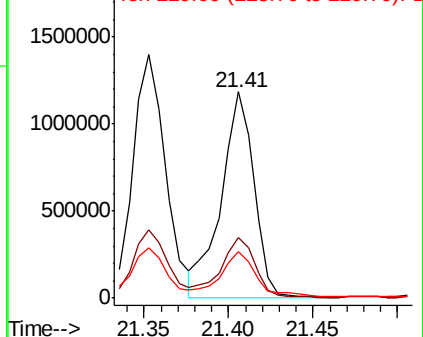
229 22.4 15.4 23.0

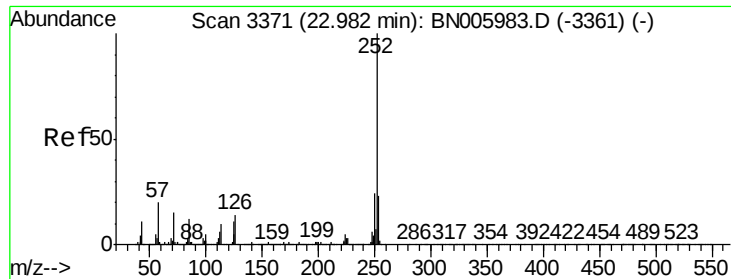
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 26.796 ng/ul

RT: 22.98 min Scan# 3370

Delta R.T. -0.01 min

Lab File: BN005994.D

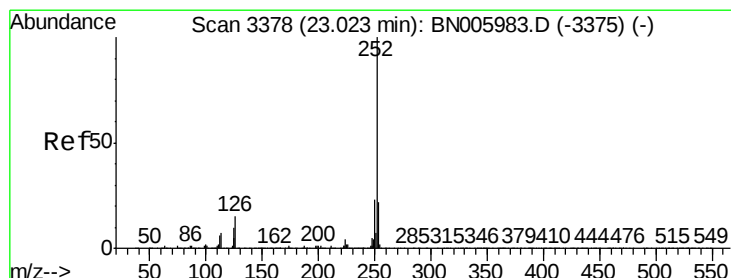
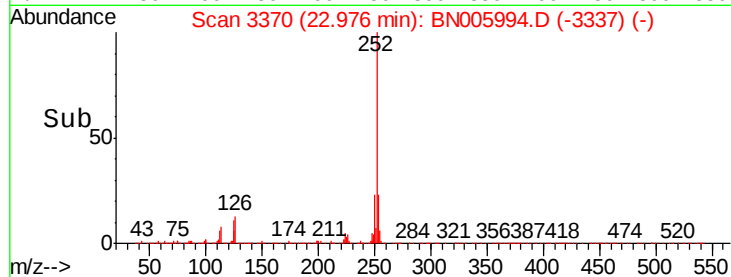
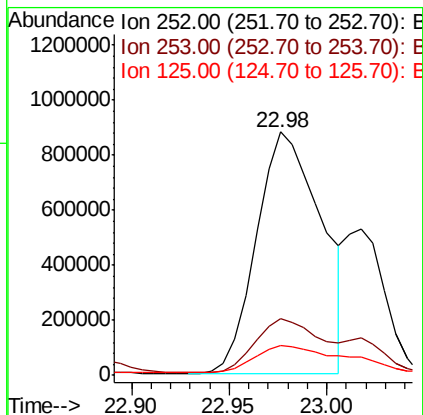
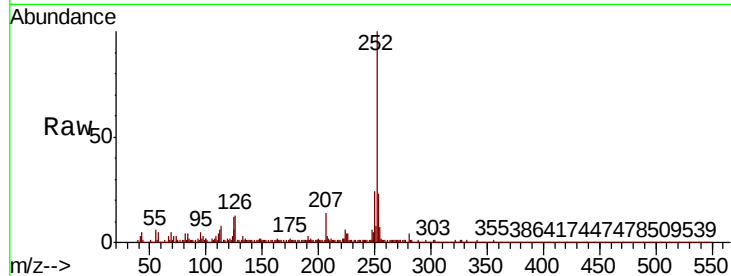
Acq: 31 May 2019 23:29

Instrument :
BNA_N
ClientSampled :
A42B8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.4	8.4	12.6

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#88

Benzo(k)fluoranthene

Concen: 10.563 ng/ul m

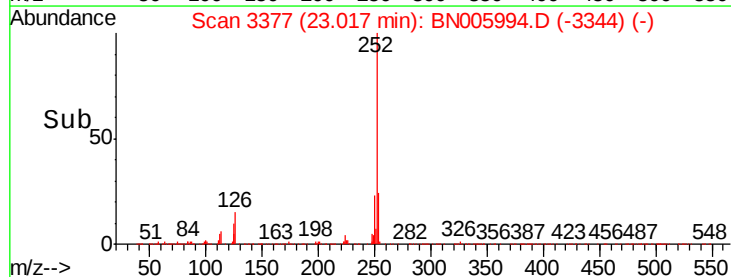
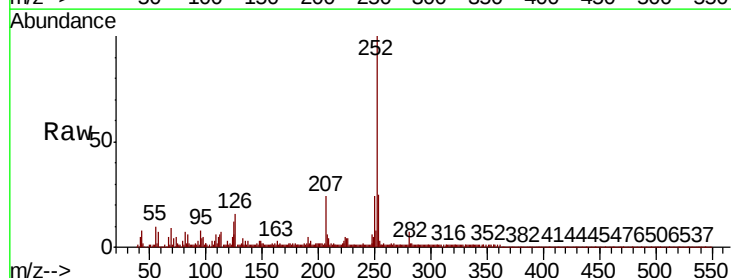
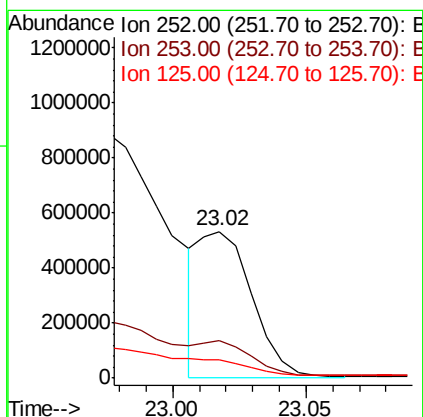
RT: 23.02 min Scan# 3377

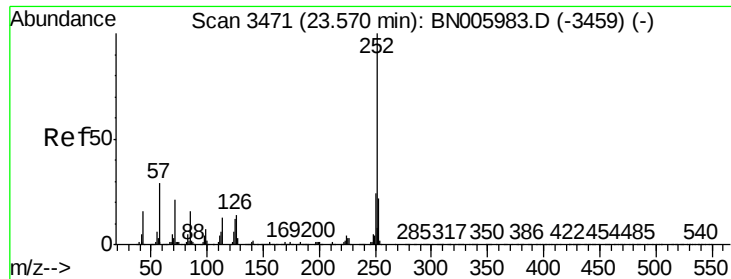
Delta R.T. -0.01 min

Lab File: BN005994.D

Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.4	26.0
125	12.3	7.5	11.3





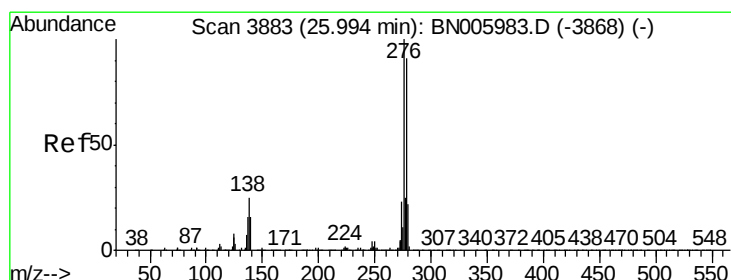
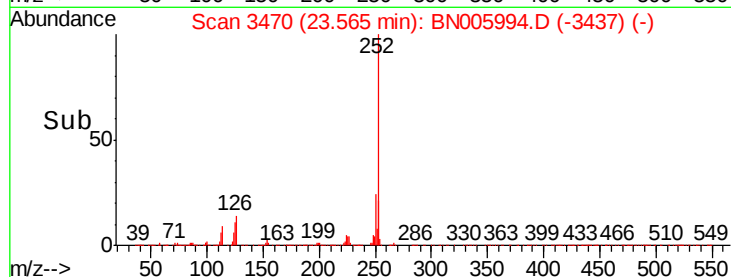
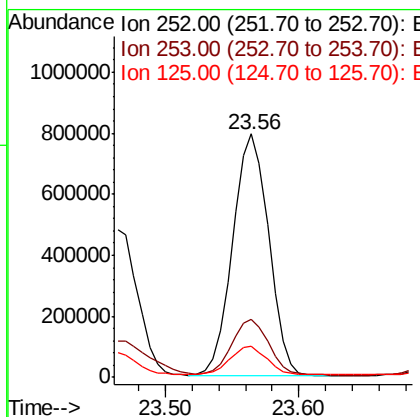
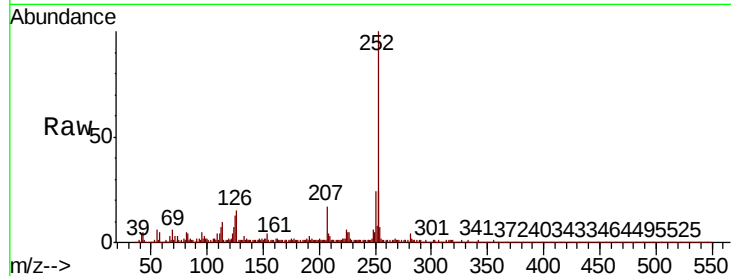
#90
Benzo(a)pyrene
Concen: 20.768 ng/ul
RT: 23.56 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Instrument :
BNA_N
ClientSampleId :
A42B8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.3	25.9
125	12.6	8.6	13.0

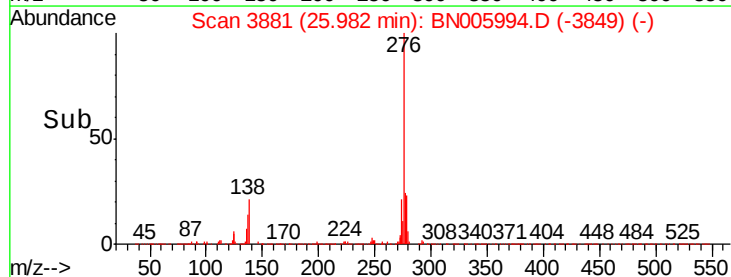
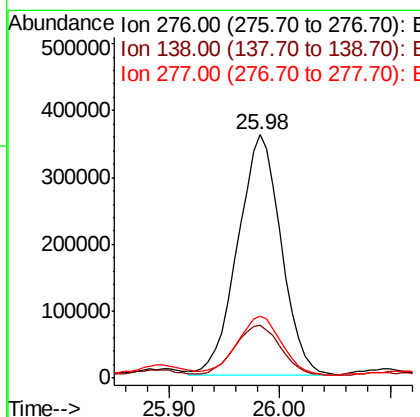
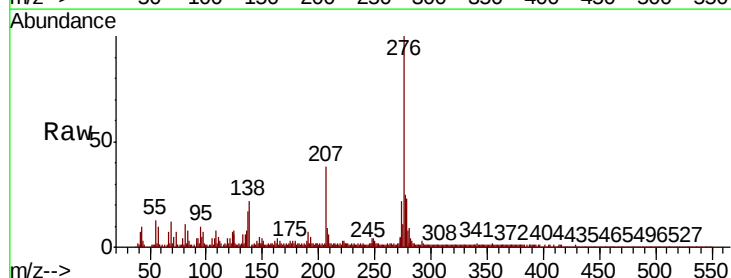
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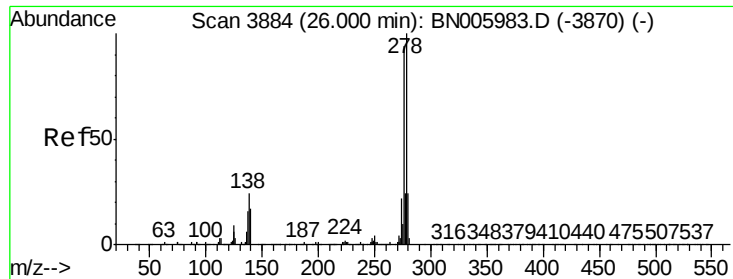
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#91
Indeno(1,2,3-cd)pyrene
Concen: 11.763 ng/ul
RT: 25.98 min Scan# 3881
Delta R.T. -0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	17.9	26.9
277	25.5	19.7	29.5





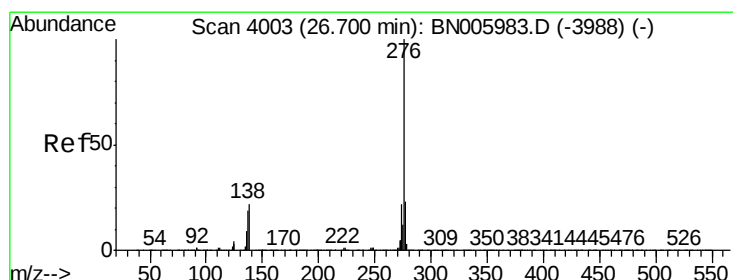
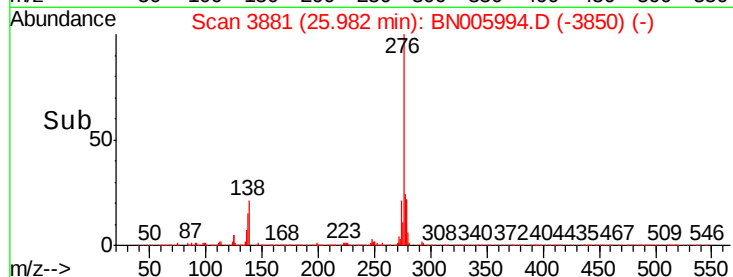
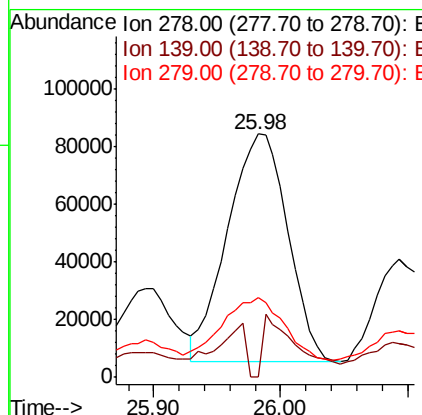
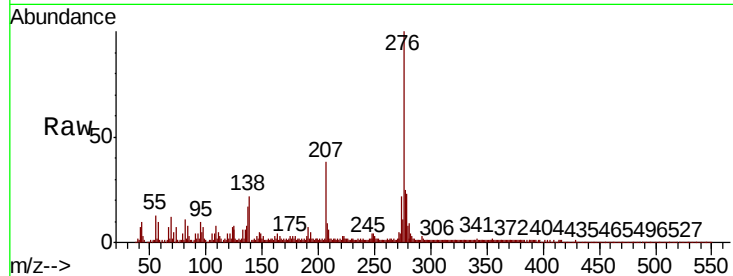
#92
Dibenzo(a,h)anthracene
Concen: 3.730 ng/ul
RT: 25.98 min Scan# 3881
Delta R.T. -0.02 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Instrument :
BNA_N
ClientSampleId :
A42B8DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	32.9	19.4	29.0#

Manual Integrations
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#93
Benzo(g,h,i)perylene
Concen: 9.764 ng/ul
RT: 26.69 min Scan# 4002
Delta R.T. -0.01 min
Lab File: BN005994.D
Acq: 31 May 2019 23:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	16.7	25.1
277	26.3	18.2	27.2

