

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
 Data File : BN004192.D
 Acq On : 22 Dec 2018 10:31
 Operator : JU/SJ
 Sample : J6414-08
 Misc : GC-MS Confirmation
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 CB532

Manual Integrations
 APPROVED

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Quant Time: Dec 24 07:37:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 24 07:07:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	31632	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	151508	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	94140	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	196885	20.00	ng/ul	0.02
77) Chrysene-d12	21.43	240	177140	20.00	ng/ul	0.03
85) Perylene-d12	23.74	264	190427	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	0.00	99	0	0.00	ng/ul	
7) Bis-(2-Chloroethyl)ether-d	0.00	67	0	0.00	ng/ul	
9) 2-Chlorophenol-d4	0.00	132	0	0.00	ng/ul	
13) 4-Methylphenol-d8	0.00	113	0	0.00	ng/ul	
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	0.00	166	0d	0.00	ng/ul	
46) Acenaphthylene-d8	0.00	160	0	0.00	ng/ul	
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	0.00	176	0d	0.00	ng/ul	
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	0.00	188	0d	0.00	ng/ul	
78) Pyrene-d10	0.00	212	0d	0.00	ng/ul	
89) Benzo(a)pyrene-d12	0.00	264	0d	0.00	ng/ul	

Target Compounds

					Qvalue	
28) Naphthalene	10.67	128	735755	90.512	ng/ul	100
34) 2-Methylnaphthalene	12.28	142	368251	60.151	ng/ul	96
40) 1,1'-Biphenyl	13.29	154	159701	20.867	ng/ul	100
47) Acenaphthylene	14.19	152	10797	1.137	ng/ul#	48
49) Acenaphthene	14.54	153	1363770	201.639	ng/ul	100
53) Dibenzofuran	14.87	168	1314013	136.869	ng/ul	99
58) Fluorene	15.53	166	1754171	219.445	ng/ul	100
69) Phenanthrene	17.30	178	8367543m	735.558	ng/ul	
71) Anthracene	17.38	178	2632629	225.765	ng/ul	98
74) Carbazole	17.63	167	13722	1.281	ng/ul#	50
76) Fluoranthene	19.32	202	8003359	573.978	ng/ul	99
79) Pyrene	19.69	202	6159472	622.405	ng/ul	98
82) Benzo(a)anthracene	21.42	228	3949320	357.532	ng/ul	95
84) Chrysene	21.47	228	3303815	319.320	ng/ul	96
87) Benzo(b)fluoranthene	23.06	252	2176811	190.829	ng/ul	98
88) Benzo(k)fluoranthene	23.09	252	1076895	100.822	ng/ul	98
90) Benzo(a)pyrene	23.64	252	245623	22.358	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	26.11	276	368089	25.705	ng/ul	98
92) Dibenzo(a,h)anthracene	26.11	278	223765	18.798	ng/ul	96
93) Benzo(g,h,i)perylene	26.83	276	132388	11.045	ng/ul	98

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

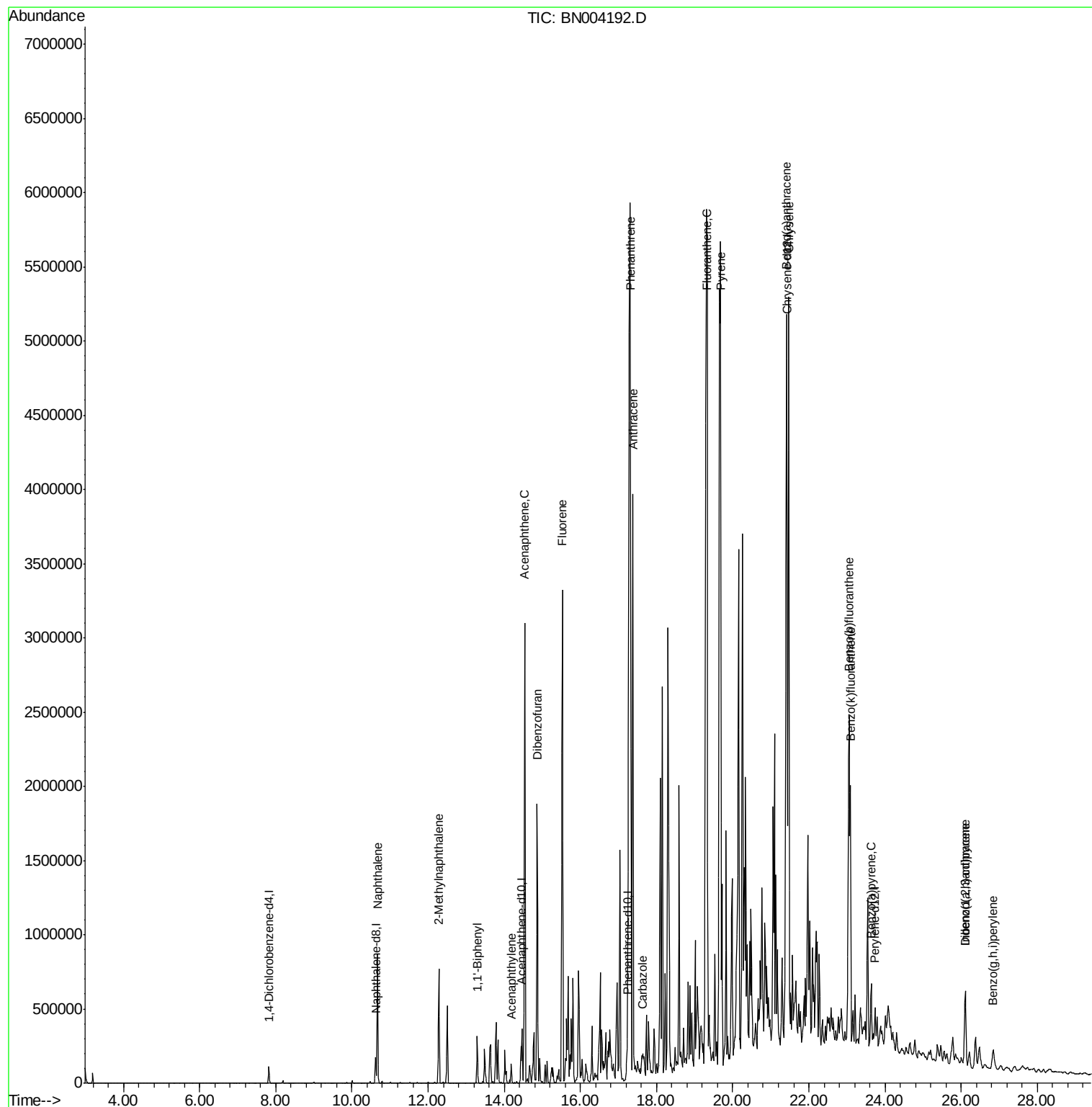
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN122118\
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ALS Vial : 42 Sample Multiplier: 1

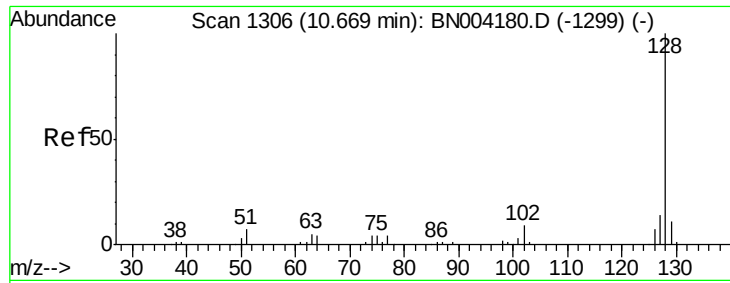
Instrument :
BNA_N
ClientSampleId :
CB532

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Quant Time: Dec 24 07:37:55 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN121218MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 24 07:07:24 2018
Response via : Initial Calibration





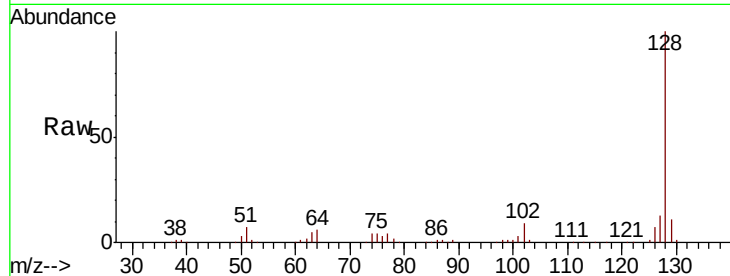
#28
Naphthalene
Concen: 90.512 ng/ul
RT: 10.67 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Instrument :
BNA_N
ClientSampled :
CB532

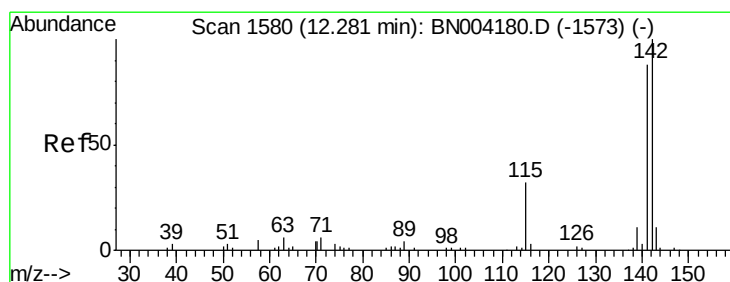
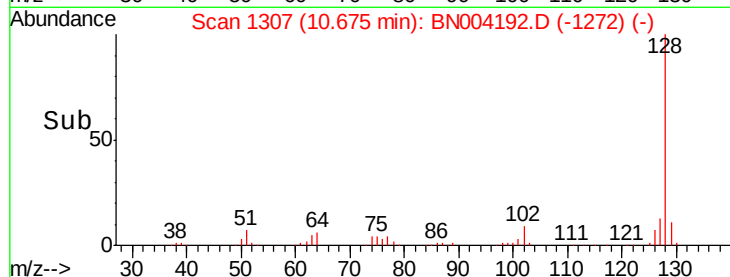
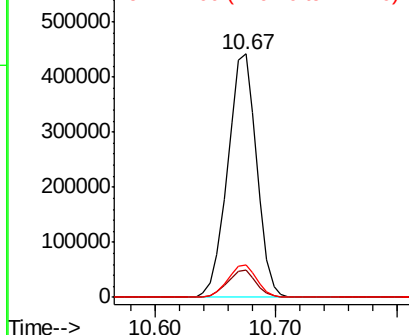
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	735755		
129	11.0	8.6	12.8	
127	13.4	10.6	16.0	

Manual Integrations
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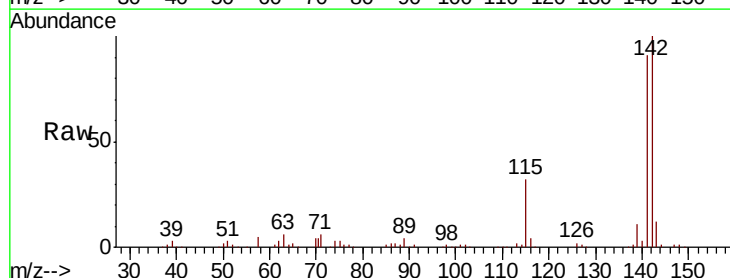


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

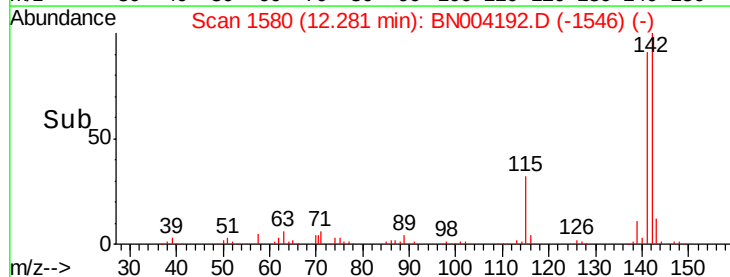
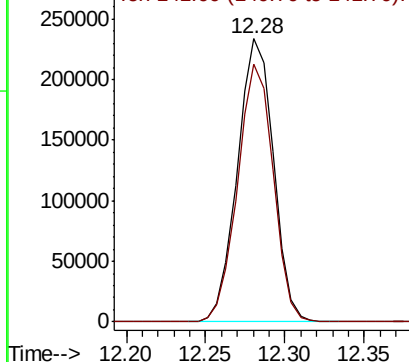


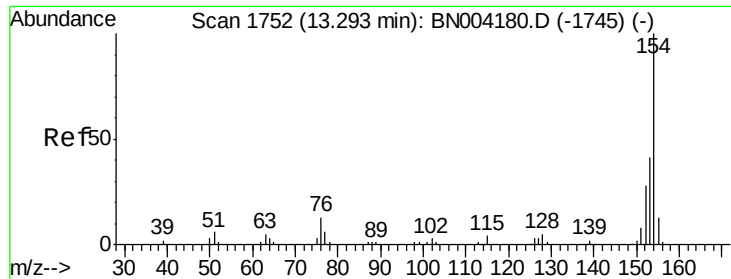
#34
2-Methylnaphthalene
Concen: 60.151 ng/ul
RT: 12.28 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	368251		
141	91.0	70.2	105.2	



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





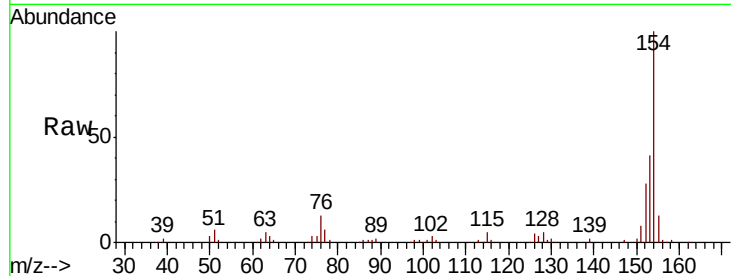
#40
 1,1'-Biphenyl
 Concen: 20.867 ng/ul
 RT: 13.29 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BN004192.D
 Acq: 22 Dec 2018 10:31

Instrument :
 BNA_N
 ClientSampled :
 CB532

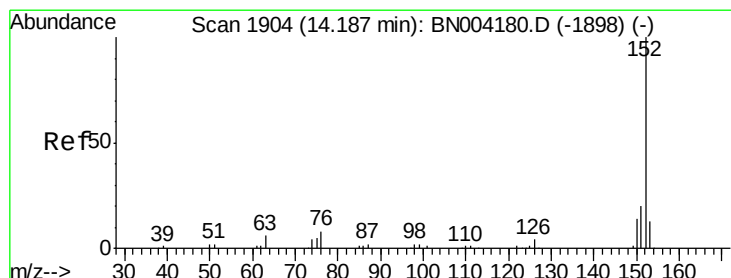
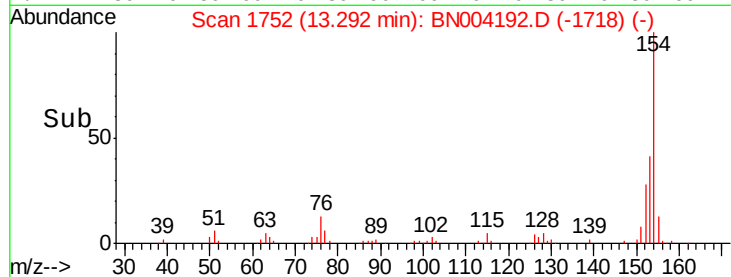
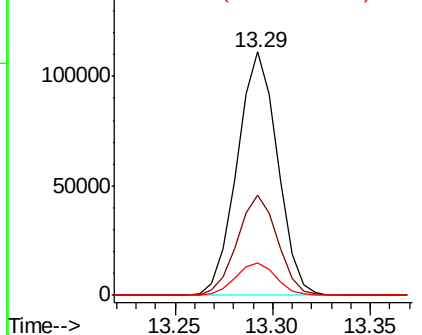
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	159701		
153	41.4	33.1	49.7	
76	13.2	10.6	16.0	

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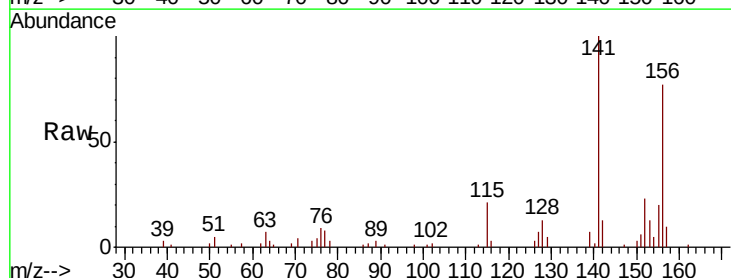


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BNC

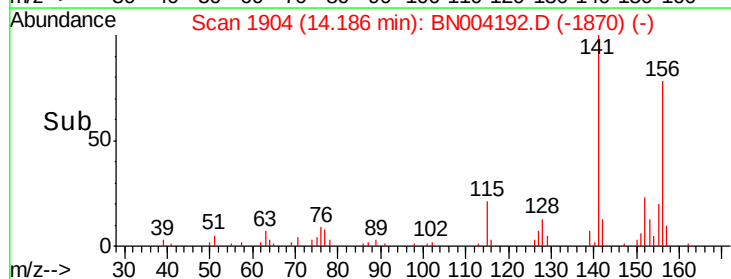
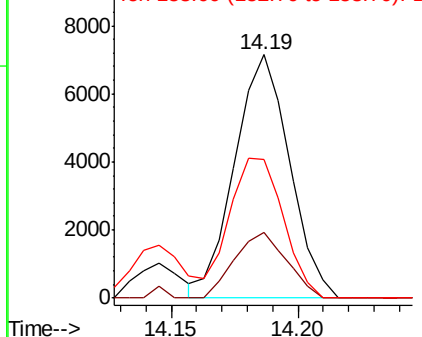


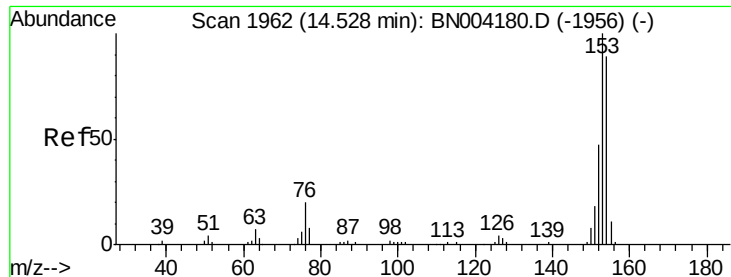
#47
 Acenaphthylene
 Concen: 1.137 ng/ul
 RT: 14.19 min Scan# 1904
 Delta R.T. -0.00 min
 Lab File: BN004192.D
 Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	10797		
151	27.0	16.2	24.2#	
153	57.0	10.6	15.8#	



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 201.639 ng/ul

RT: 14.54 min Scan# 1964

Delta R.T. 0.01 min

Lab File: BN004192.D

Acq: 22 Dec 2018 10:31

Instrument :

BNA_N

ClientSampleId :

CB532

Tgt Ion:153 Resp: 1363770

Ion Ratio Lower Upper

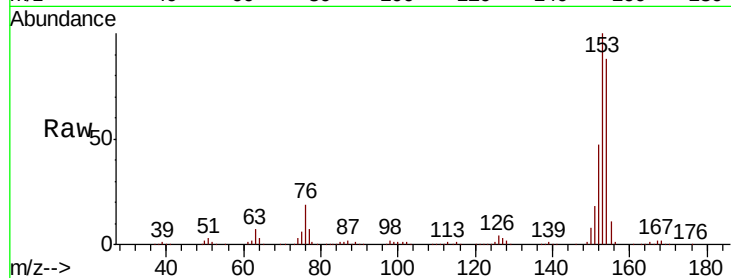
153 100

152 47.3 37.8 56.6

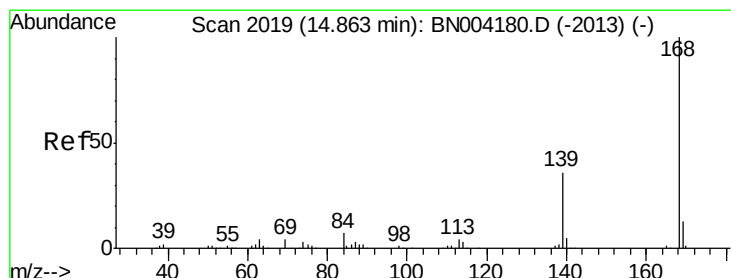
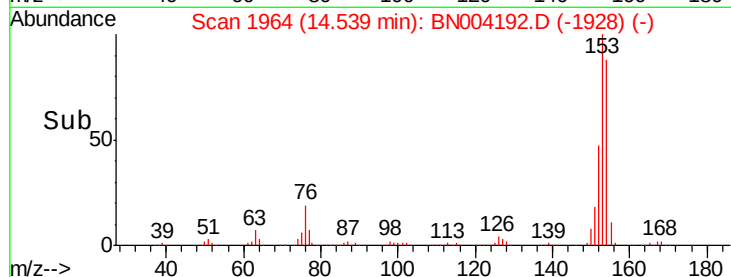
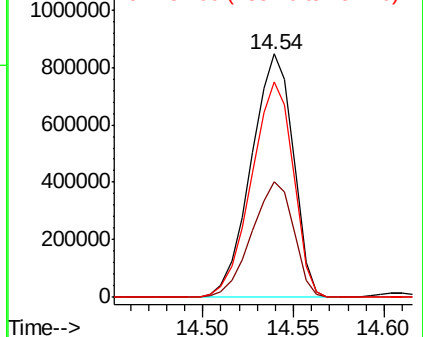
154 88.2 71.0 106.6

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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: 136.869 ng/ul

RT: 14.87 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BN004192.D

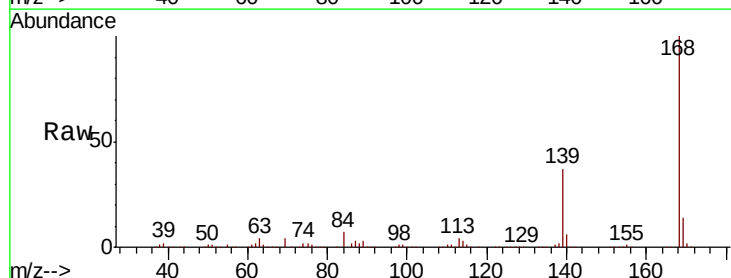
Acq: 22 Dec 2018 10:31

Tgt Ion:168 Resp: 1314013

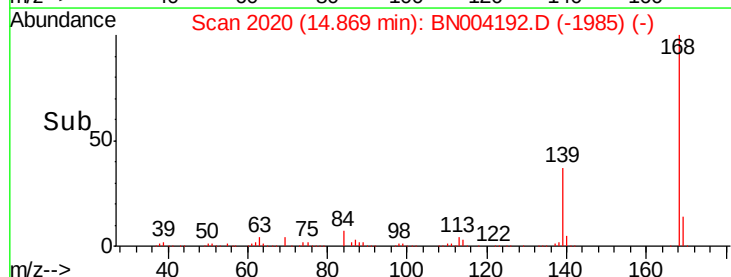
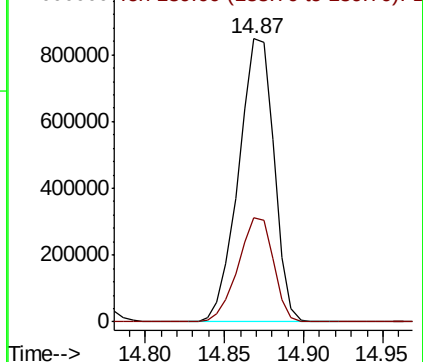
Ion Ratio Lower Upper

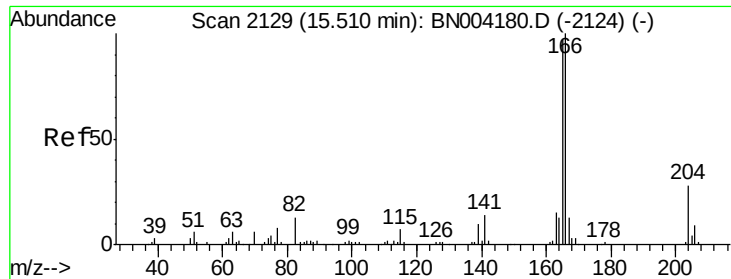
168 100

139 36.8 28.8 43.2



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





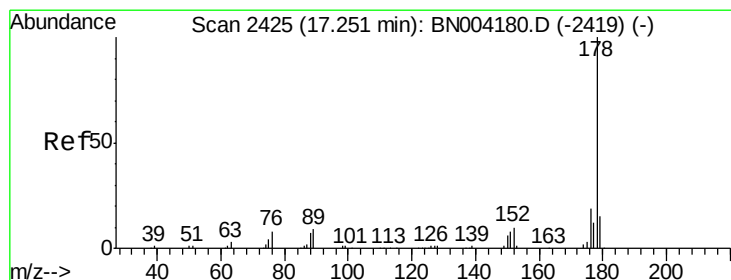
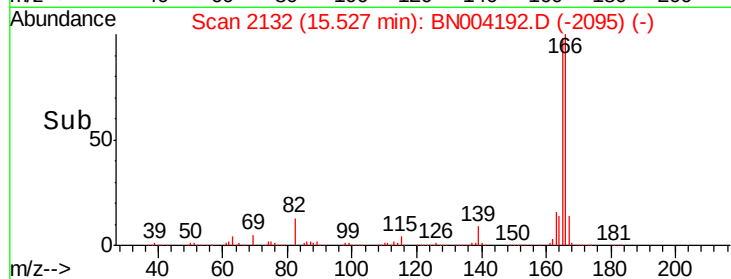
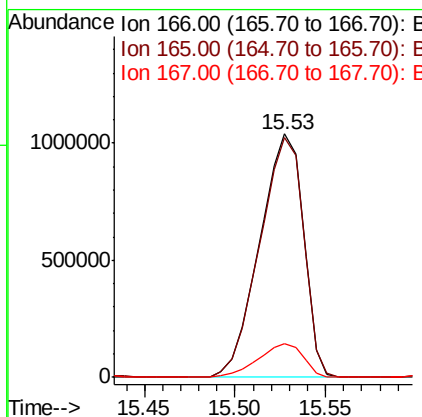
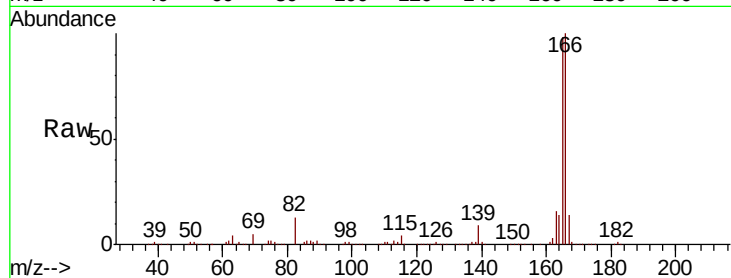
#58
 Fluorene
 Concen: 219.445 ng/ul
 RT: 15.53 min Scan# 2132
 Delta R.T. 0.02 min
 Lab File: BN004192.D
 Acq: 22 Dec 2018 10:31

Instrument :
 BNA_N
 ClientSampleId :
 CB532

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.8	10.3	15.5

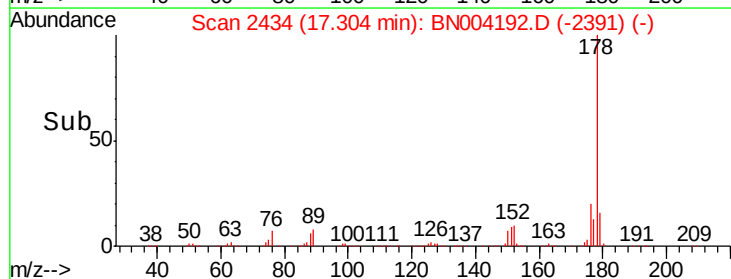
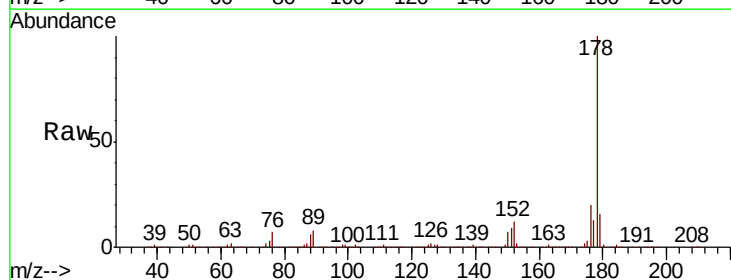
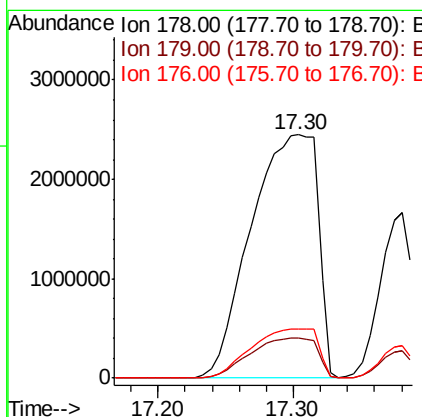
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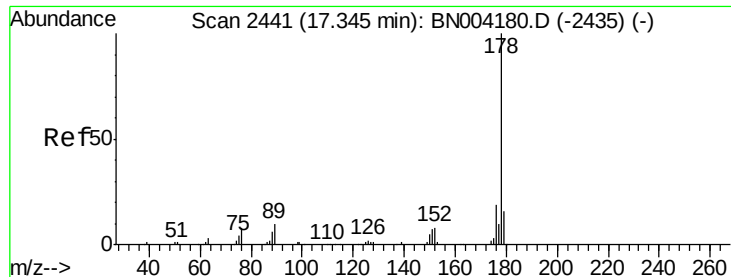
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#69
 Phenanthrene
 Concen: 735.558 ng/ul m
 RT: 17.30 min Scan# 2434
 Delta R.T. 0.05 min
 Lab File: BN004192.D
 Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.1	18.1
176	20.2	15.0	22.6





#71

Anthracene

Concen: 225.765 ng/ul

RT: 17.38 min Scan# 2447

Delta R.T. 0.03 min

Lab File: BN004192.D

Acq: 22 Dec 2018 10:31

Instrument :

BNA_N

ClientSampleId :

CB532

Tgt Ion:178 Resp: 2632629

Ion Ratio Lower Upper

178 100

179 16.4 12.1 18.1

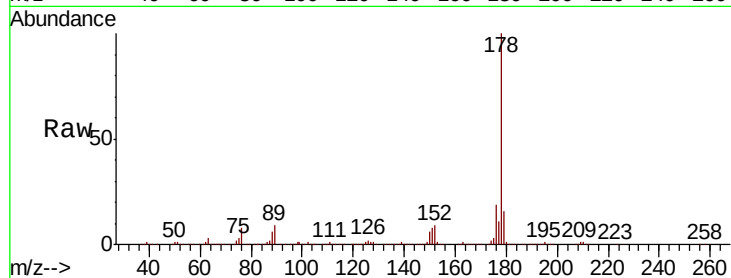
176 19.3 15.2 22.8

Manual Integrations

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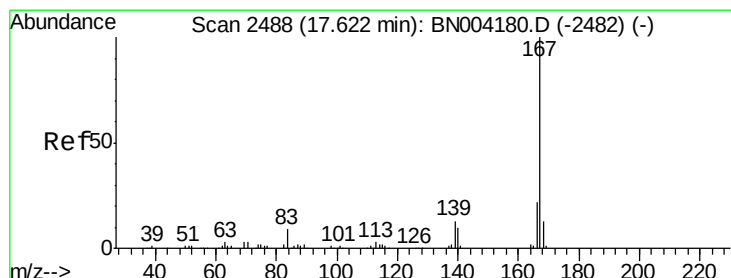
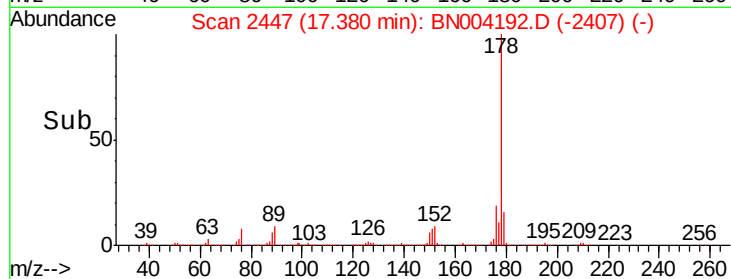
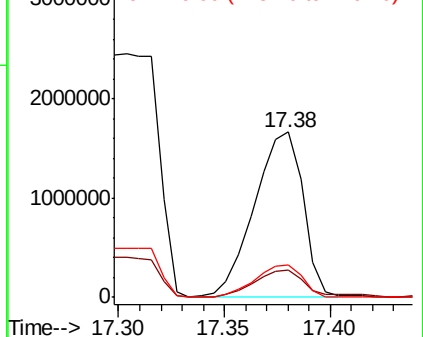
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 1.281 ng/ul

RT: 17.63 min Scan# 2489

Delta R.T. 0.01 min

Lab File: BN004192.D

Acq: 22 Dec 2018 10:31

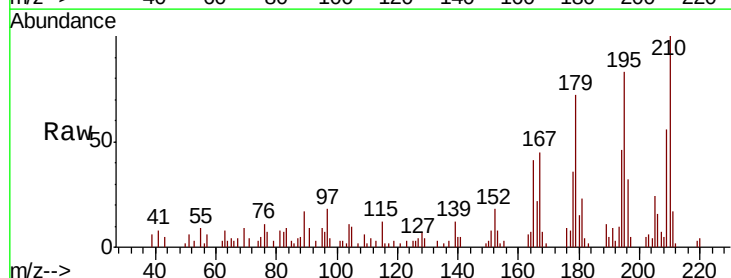
Tgt Ion:167 Resp: 13722

Ion Ratio Lower Upper

167 100

166 49.5 17.4 26.0#

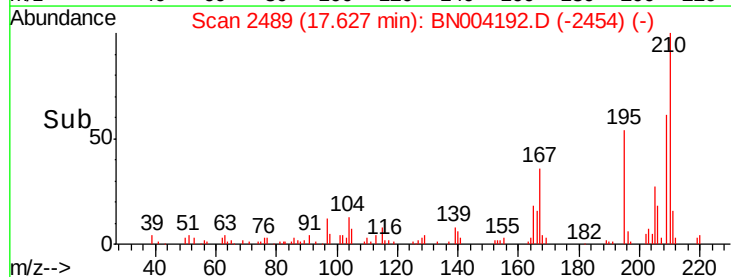
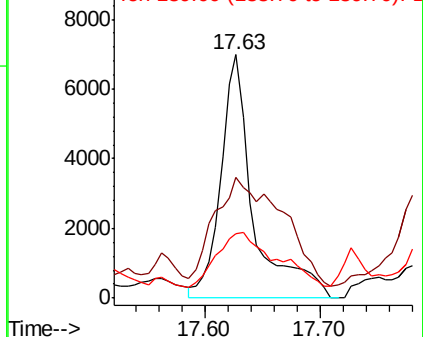
139 26.5 10.2 15.2#

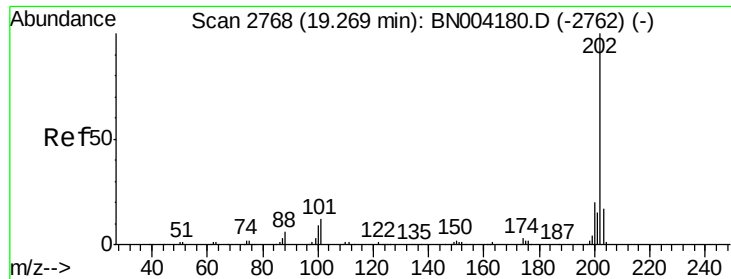


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





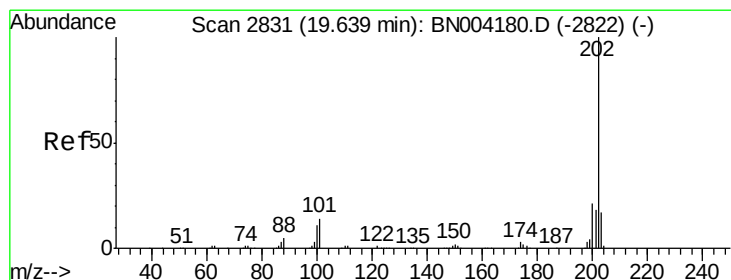
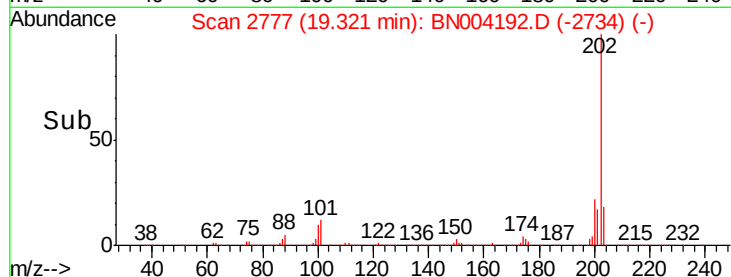
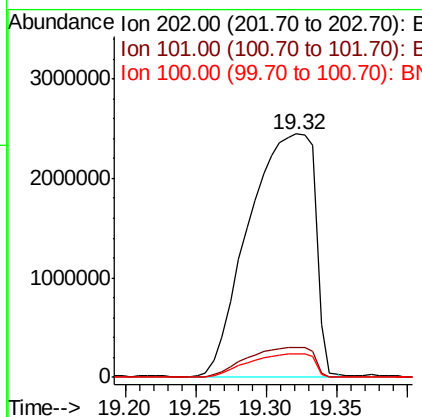
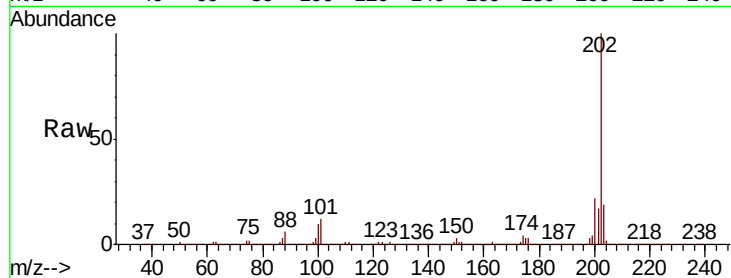
#76
Fluoranthene
Concen: 573.978 ng/ul
RT: 19.32 min Scan# 2777
Delta R.T. 0.05 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Instrument :
BNA_N
ClientSampleId :
CB532

Tgt Ion:202 Resp: 8003359
Ion Ratio Lower Upper
202 100
101 12.4 10.2 15.2
100 9.7 7.8 11.8

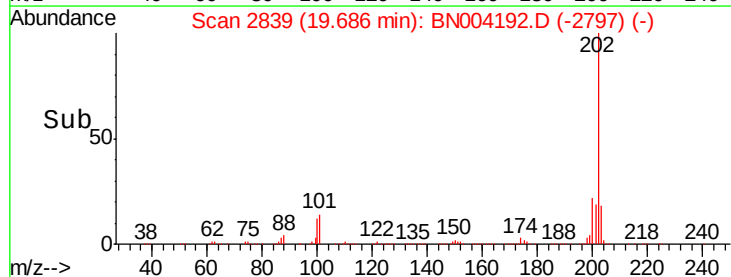
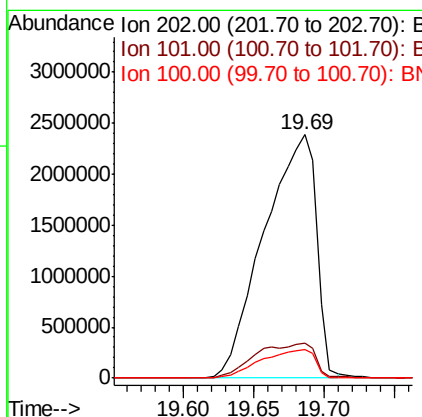
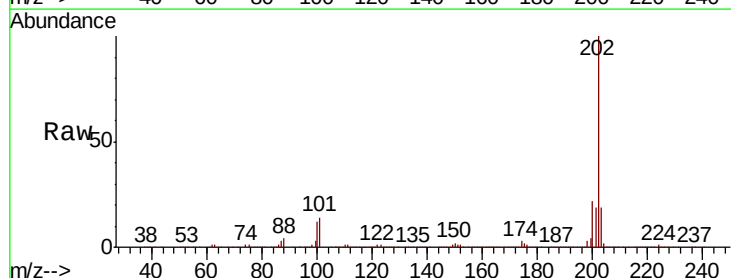
Manual Integrations
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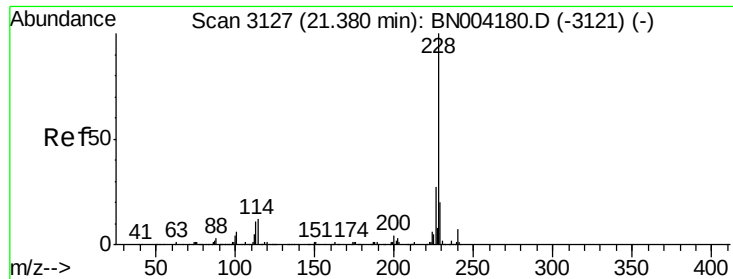
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#79
Pyrene
Concen: 622.405 ng/ul
RT: 19.69 min Scan# 2839
Delta R.T. 0.05 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Tgt Ion:202 Resp: 6159472
Ion Ratio Lower Upper
202 100
101 14.3 12.2 18.2
100 11.8 9.9 14.9





#82

Benzo(a)anthracene

Concen: 357.532 ng/ul

RT: 21.42 min Scan# 3133

Delta R.T. 0.03 min

Lab File: BN004192.D

Acq: 22 Dec 2018 10:31

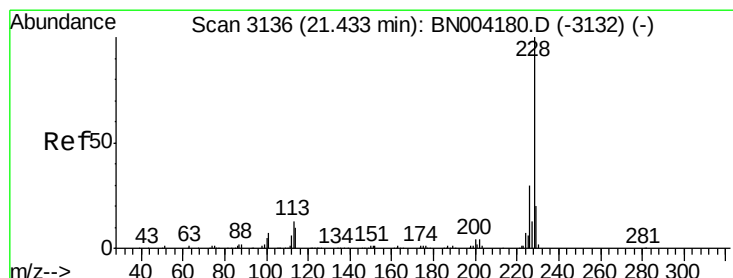
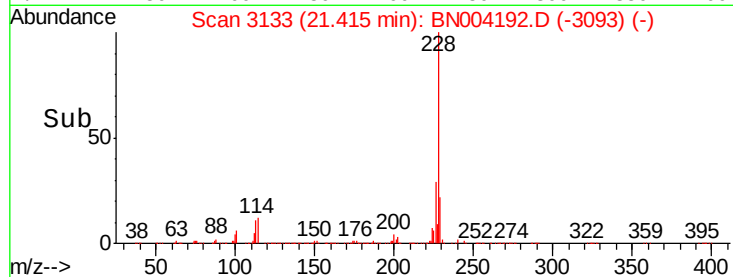
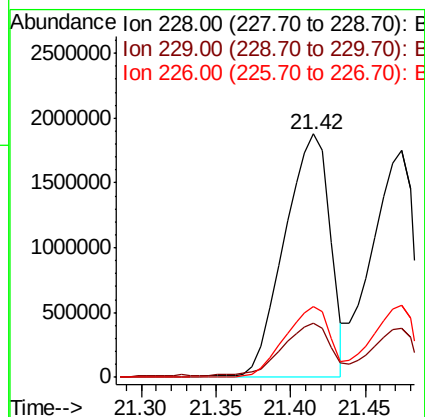
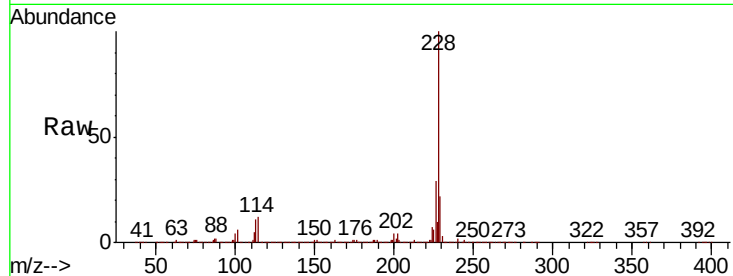
Instrument :
BNA_N
ClientSampled :
CB532

Tgt Ion:228 Resp: 3949320

Ion	Ratio	Lower	Upper
228	100		
229	22.2	15.9	23.9
226	29.0	21.4	32.2

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#84

Chrysene

Concen: 319.320 ng/ul

RT: 21.47 min Scan# 3143

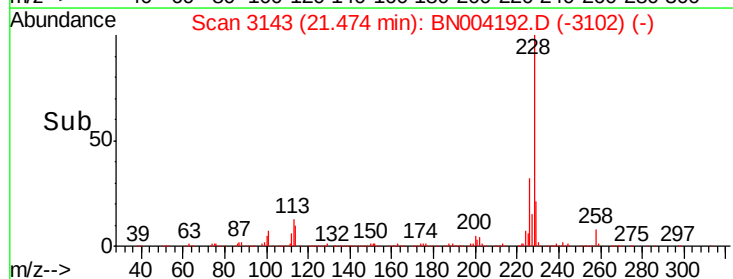
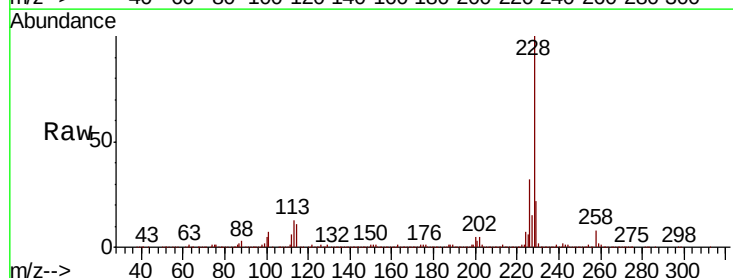
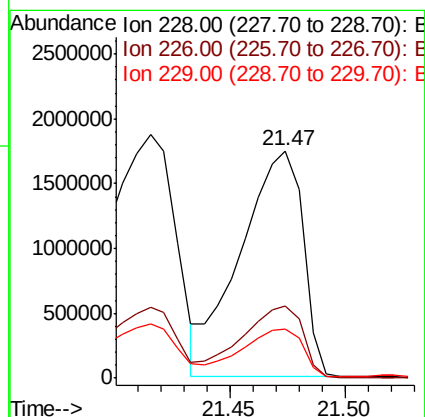
Delta R.T. 0.04 min

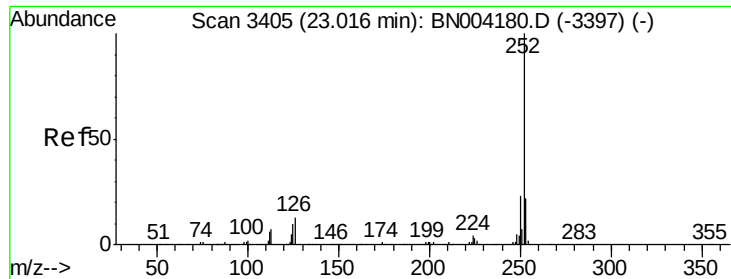
Lab File: BN004192.D

Acq: 22 Dec 2018 10:31

Tgt Ion:228 Resp: 3303815

Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.8	35.8
229	21.7	15.8	23.6





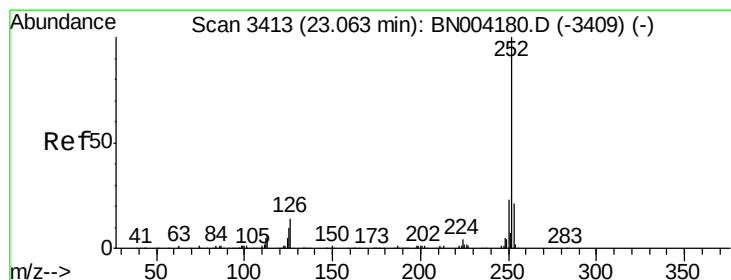
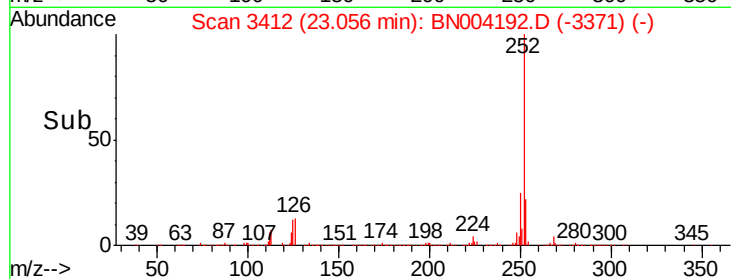
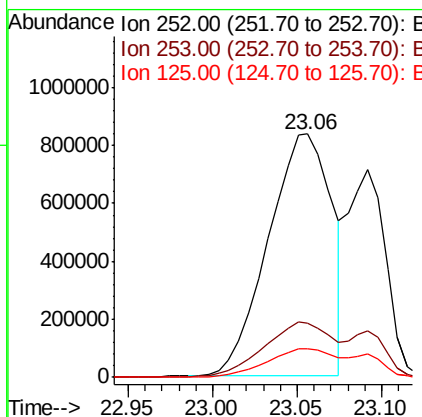
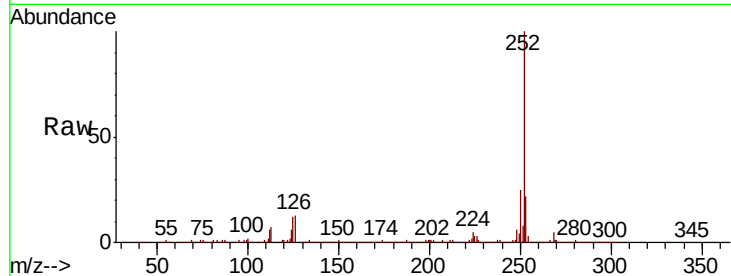
#87
Benzo(b)fluoranthene
Concen: 190.829 ng/ul
RT: 23.06 min Scan# 3412
Delta R.T. 0.04 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Instrument :
BNA_N
ClientSampleId :
CB532

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	11.9	8.2	12.4

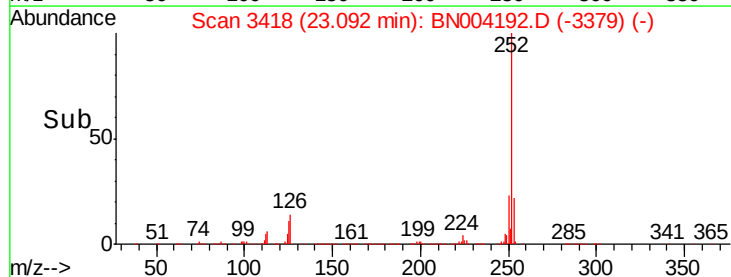
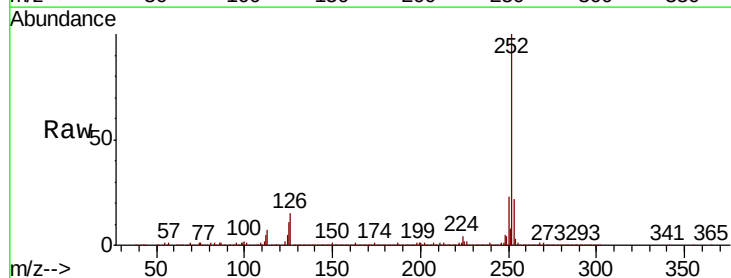
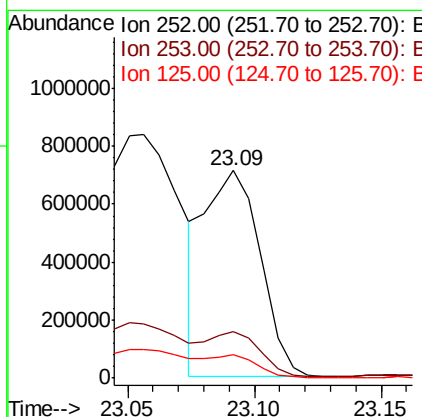
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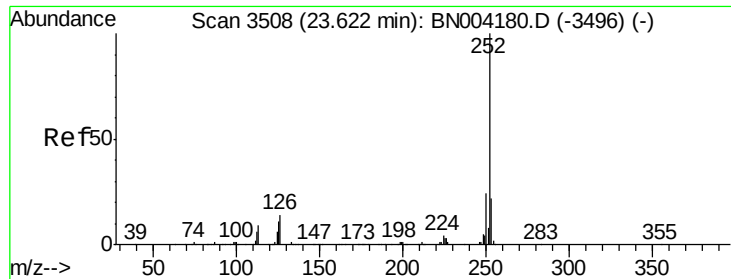
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#88
Benzo(k)fluoranthene
Concen: 100.822 ng/ul
RT: 23.09 min Scan# 3418
Delta R.T. 0.03 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	11.1	7.9	11.9





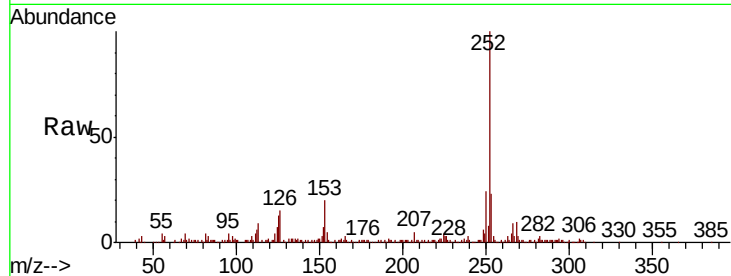
#90
Benzo(a)pyrene
Concen: 22.358 ng/ul
RT: 23.64 min Scan# 3511
Delta R.T. 0.02 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Instrument :
BNA_N
ClientSampled :
CB532

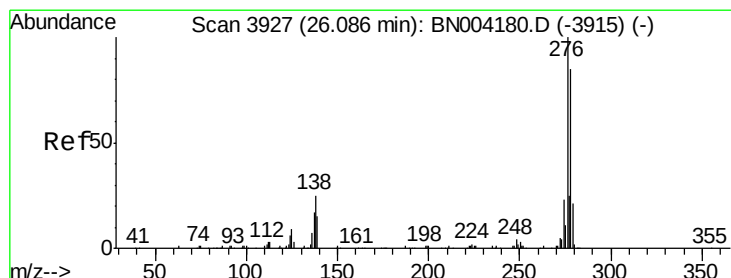
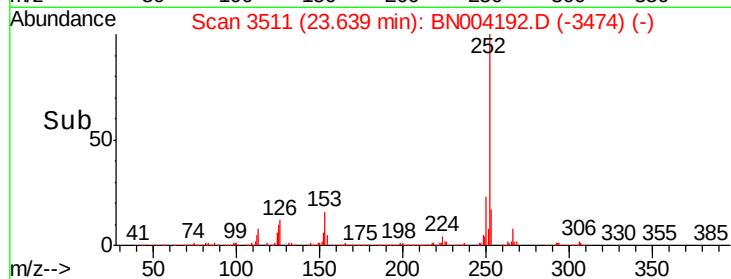
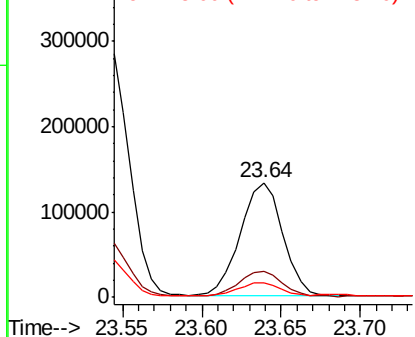
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.6	9.1	13.7

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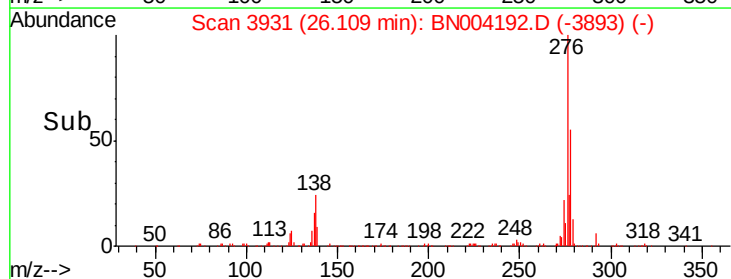
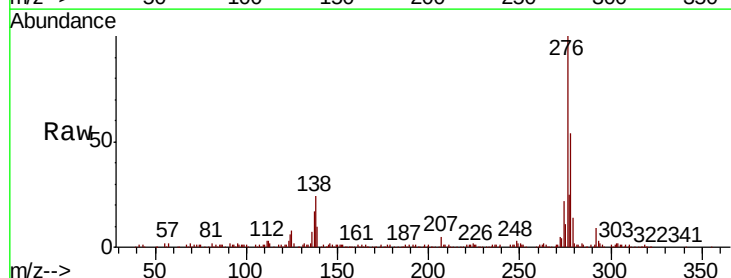
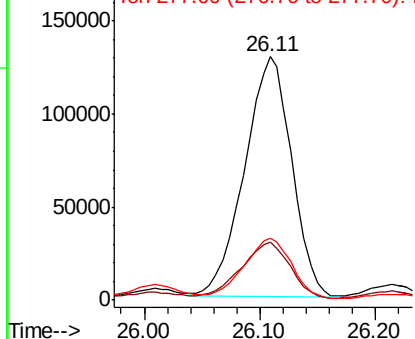
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

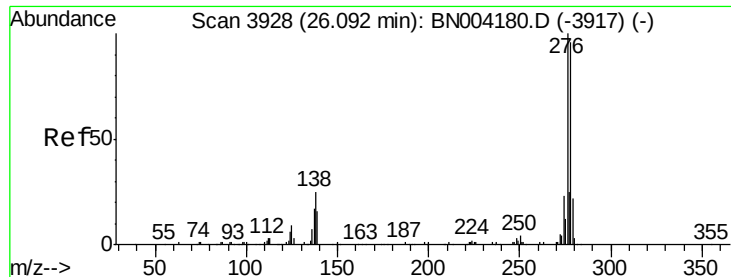


#91
Indeno(1,2,3-cd)pyrene
Concen: 25.705 ng/ul
RT: 26.11 min Scan# 3931
Delta R.T. 0.02 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.4	30.6
277	25.2	20.6	30.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





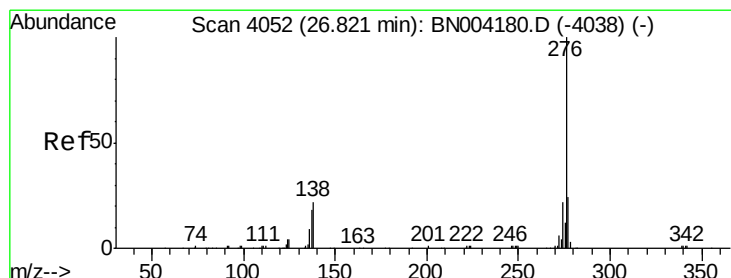
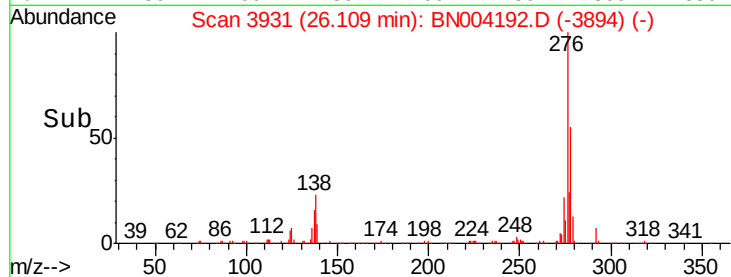
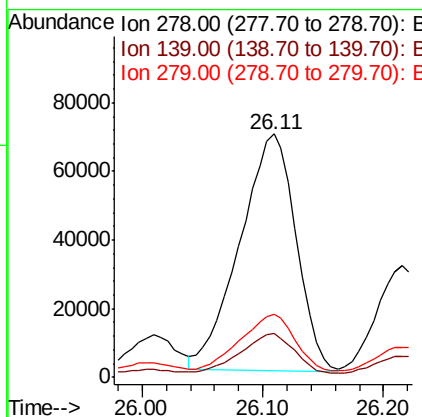
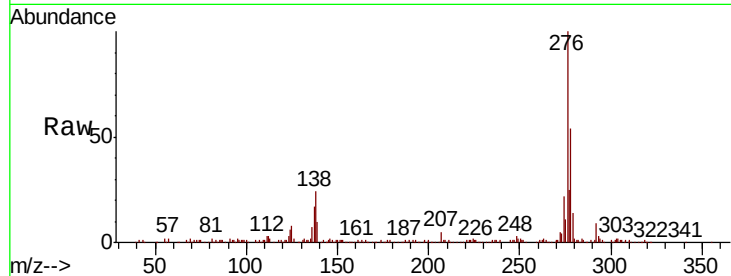
#92
Dibenzo(a,h)anthracene
Concen: 18.798 ng/ul
RT: 26.11 min Scan# 3931
Delta R.T. 0.02 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Instrument :
BNA_N
ClientSampleId :
CB532

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.3	19.9
279	26.0	19.0	28.6

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#93
Benzo(g,h,i)perylene
Concen: 11.045 ng/ul
RT: 26.83 min Scan# 4054
Delta R.T. 0.01 min
Lab File: BN004192.D
Acq: 22 Dec 2018 10:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.2	27.4
277	25.0	19.0	28.6

