

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005943.D
 Acq On : 29 May 2019 22:33
 Operator : JU/SJ
 Sample : K2928-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42B8

Manual Integrations
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mohammad
 5/30/2019 1:28:58 PM

Quant Time: May 30 06:59:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 02:28:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	595279	20.00	ng/ul	0.01
18) Naphthalene-d8	10.53	136	2666817	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.39	164	1532443	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.15	188	3108366	20.00	ng/ul	0.03
77) Chrysene-d12	21.36	240	1591030	20.00	ng/ul	0.04
85) Perylene-d12	23.65	264	2152608m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	58529	4.33	ng/uL	0.00
5) Phenol-d5	6.91	99	1338268	25.36	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.08	67	745956	24.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	1053567	26.21	ng/ul	0.01
13) 4-Methylphenol-d8	8.44	113	1029361	24.17	ng/ul	0.01
19) Nitrobenzene-d5	8.89	128	522960	30.55	ng/ul	0.01
22) 2-Nitrophenol-d4	9.61	143	475842	29.85	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.15	165	1032039	27.42	ng/ul	0.02
29) 4-Chloroaniline-d4	10.66	131	653974	13.25	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	2956448	26.17	ng/ul	0.01
46) Acenaphthylene-d8	14.08	160	3857765	27.30	ng/ul	0.02
51) 4-Nitrophenol-d4	14.59	143	484620	23.57	ng/ul	0.03
57) Fluorene-d10	15.38	176	2954507	31.18	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.53	200	21747m	1.72	ng/ul	0.05
70) Anthracene-d10	17.25	188	3543546	26.79	ng/ul	0.03
78) Pyrene-d10	19.55	212	2887676	35.94	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.51	264	2597964m	27.05	ng/ul	0.06

Target Compounds

					Ovalue
6) Phenol	6.94	94	91546	1.684	ng/ul 93
28) Naphthalene	10.58	128	2325564	18.374	ng/ul 99
34) 2-Methylnaphthalene	12.19	142	750384	8.048	ng/ul 98
40) 1,1'-Biphenyl	13.21	154	304682	2.681	ng/ul 98
44) Dimethylphthalate	13.84	163	1112754	9.855	ng/ul 100
47) Acenaphthylene	14.11	152	809685	5.843	ng/ul# 97
49) Acenaphthene	14.45	153	2932477	31.149	ng/ul 100
53) Dibenzofuran	14.79	168	2686888	20.218	ng/ul 99
58) Fluorene	15.44	166	4177704	40.024	ng/ul 97
69) Phenanthrene	17.19	178	24525452m	159.248	ng/ul
71) Anthracene	17.29	178	12853398	82.206	ng/ul 95
74) Carbazole	17.55	167	7063762	50.149	ng/ul 98
76) Fluoranthene	19.22	202	25275512m	153.736	ng/ul
79) Pyrene	19.58	202	23874655m	236.886	ng/ul
82) Benzo(a)anthracene	21.35	228	16380244	163.777	ng/ul# 85
83) Bis(2-ethylhexyl)phthalate	21.27	149	173215	2.638	ng/ul# 84
84) Chrysene	21.41	228	15435730	165.475	ng/ul# 86
87) Benzo(b)fluoranthene	22.98	252	20713738	171.322	ng/ul 94
88) Benzo(k)fluoranthene	23.02	252	7449346m	67.011	ng/ul
90) Benzo(a)pyrene	23.57	252	15303499m	134.221	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.99	276	10980596m	82.074	ng/ul
92) Dibenzo(a,h)anthracene	25.99	278	3011731m	27.037	ng/ul
93) Benzo(g,h,i)perylene	26.70	276	8028538m	71.250	ng/ul

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

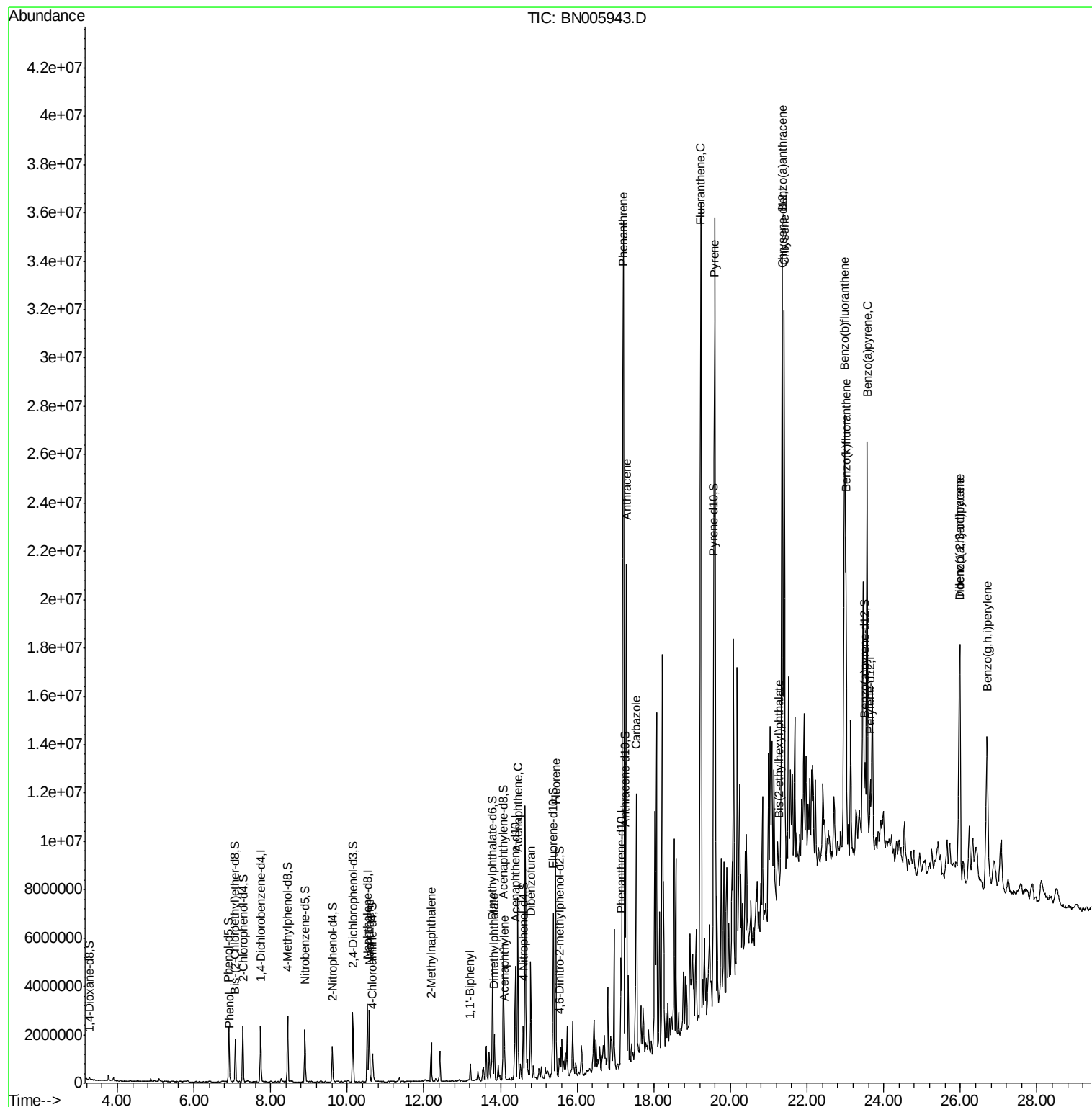
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052919\
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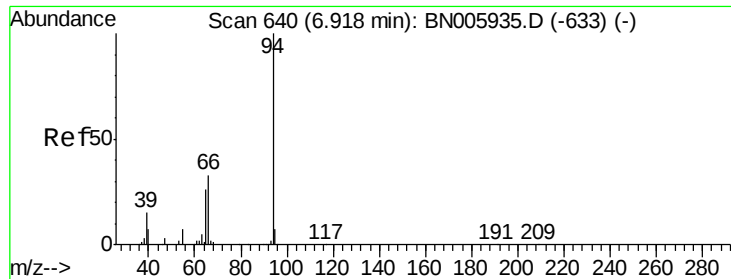
Instrument :
BNA_N
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Quant Time: May 30 06:59:45 2019
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#6

Phenol

Concen: 1.684 ng/ul

RT: 6.94 min Scan# 644

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

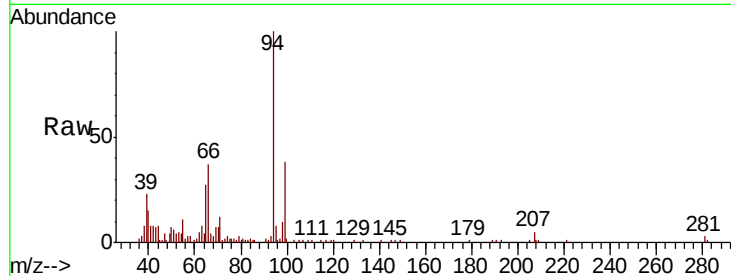
ClientSampleId :

A42B8

Tot Ion:	94	Resp:	91546
Ion	Ratio	Lower	Upper
94	100		
65	27.3	24.2	36.4
66	37.2	33.8	50.6

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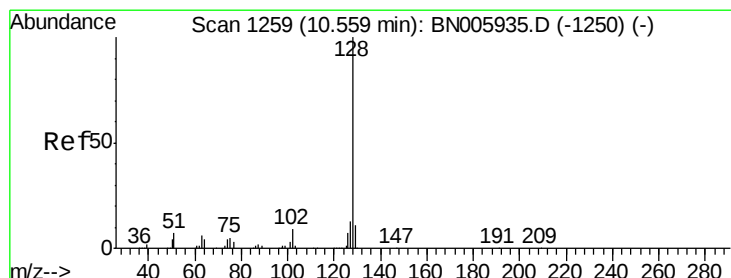
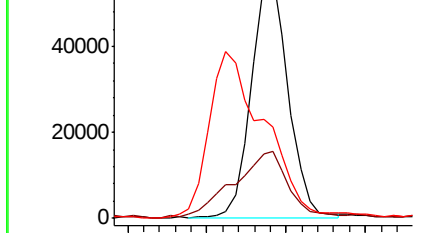
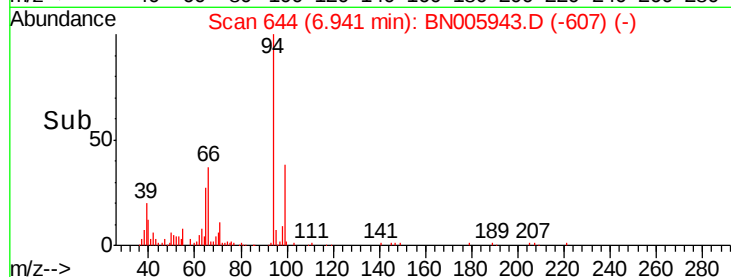


Abundance Ion 94.00 (93.70 to 94.70): BN005943.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BN005943.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BN005943.D (-633) (-)

Time-->



#28

Naphthalene

Concen: 18.374 ng/ul

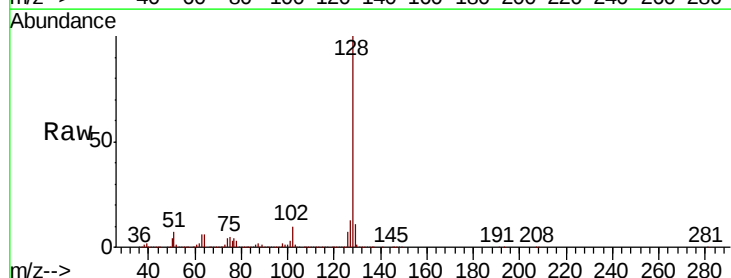
RT: 10.58 min Scan# 1262

Delta R.T. 0.01 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Tgt Ion:	128	Resp:	2325564
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.0	10.7	16.1

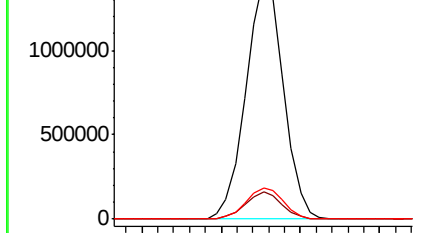
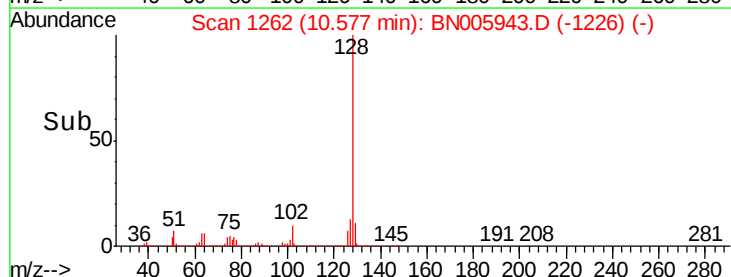


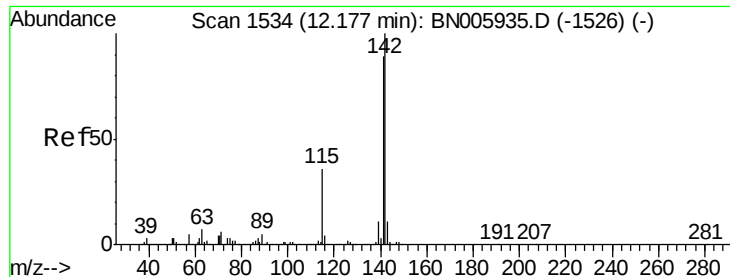
Abundance Ion 128.00 (127.70 to 128.70): BN005943.D (-1250) (-)

Ion 129.00 (128.70 to 129.70): BN005943.D (-1250) (-)

Ion 127.00 (126.70 to 127.70): BN005943.D (-1250) (-)

Time-->





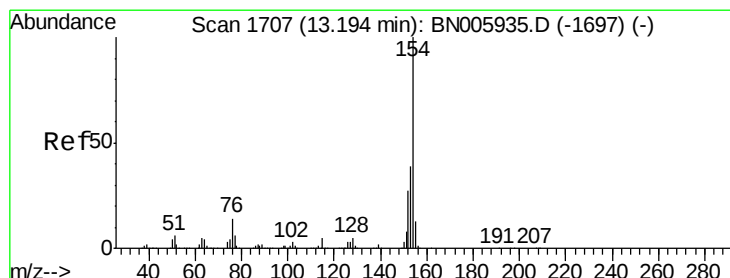
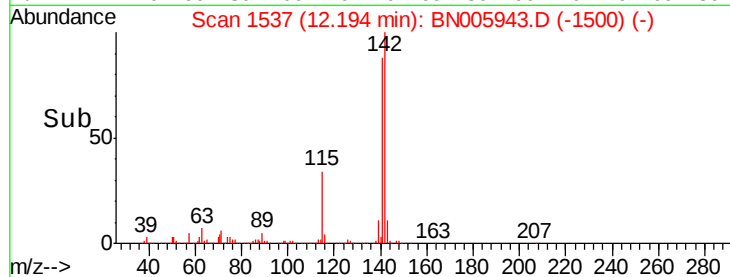
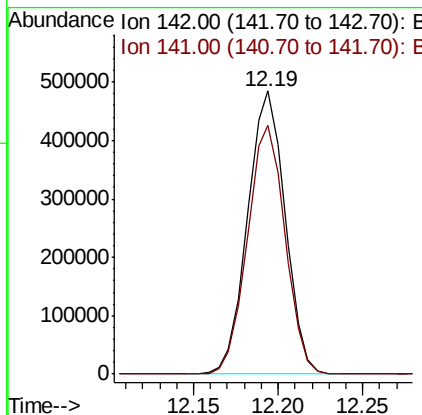
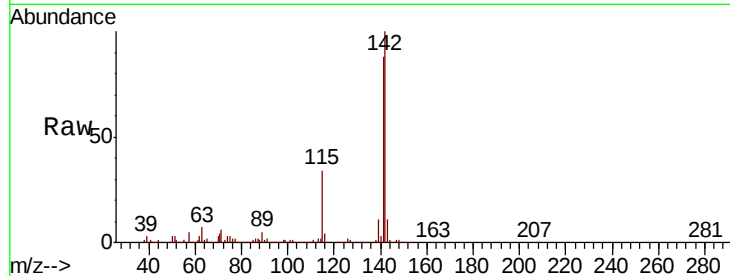
#34
 2-Methylnaphthalene
 Concen: 8.048 ng/ul
 RT: 12.19 min Scan# 1537
 Delta R.T. 0.02 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Instrument :
 BNA_N
 ClientSampled :
 A42B8

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.0	108.0

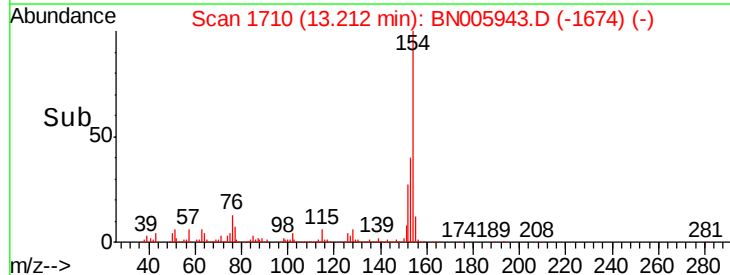
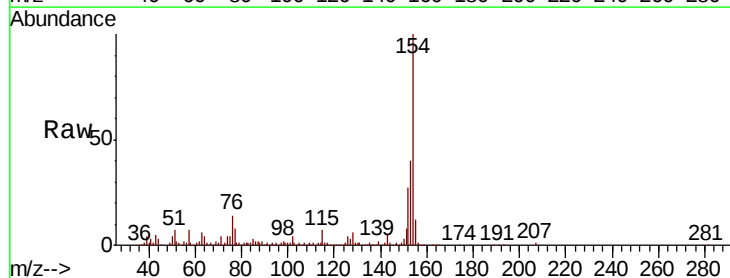
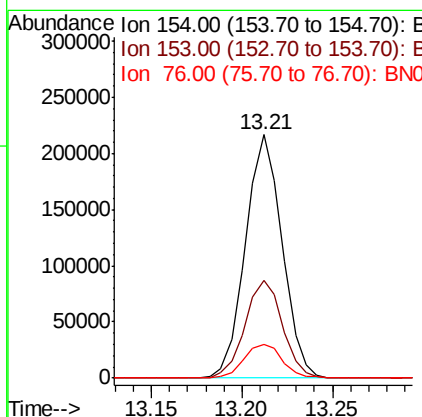
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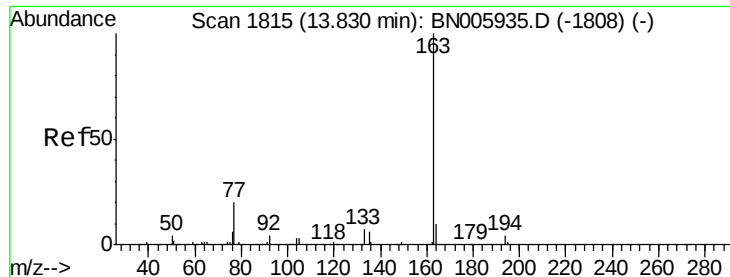
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#40
 1,1'-Biphenyl
 Concen: 2.681 ng/ul
 RT: 13.21 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	32.6	49.0
76	13.7	10.4	15.6





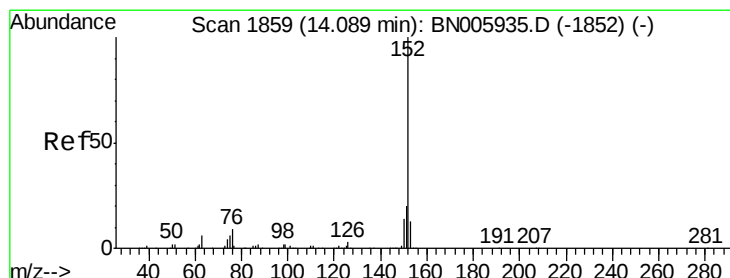
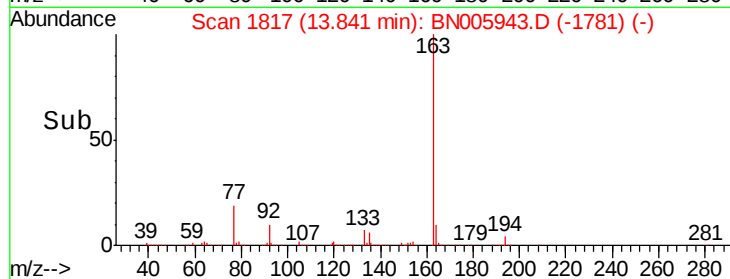
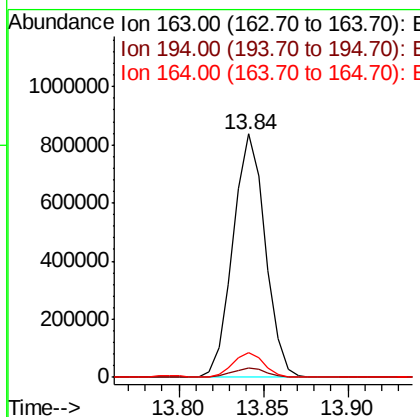
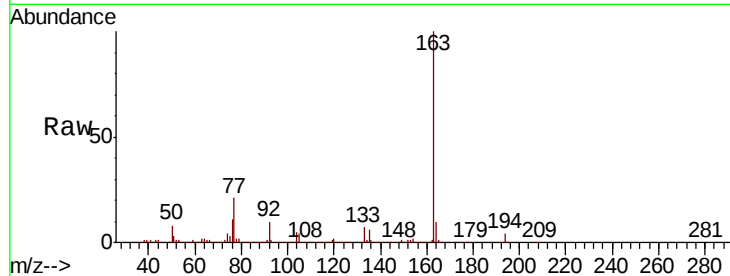
#44
Dimethylphthalate
Concen: 9.855 ng/ul
RT: 13.84 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BN005943.D
Acq: 29 May 2019 22:33

Instrument :
BNA_N
ClientSampleId :
A42B8

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.1	12.1

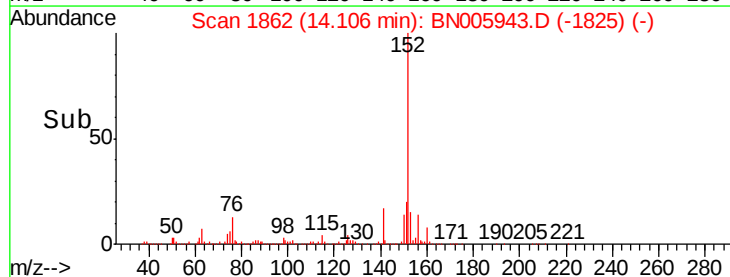
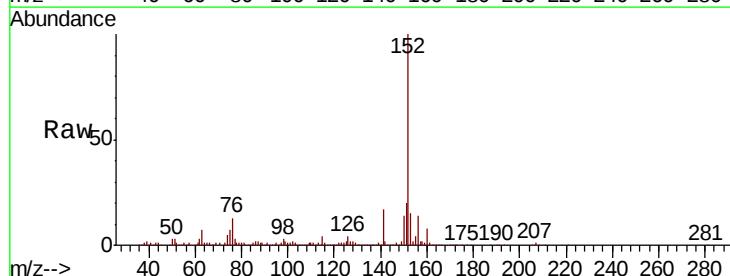
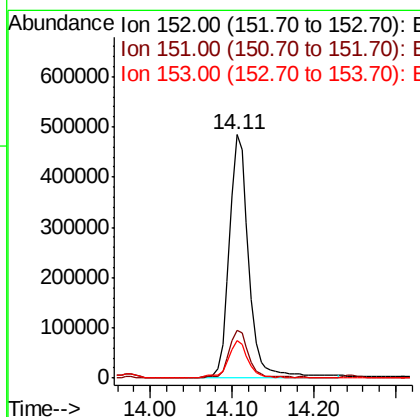
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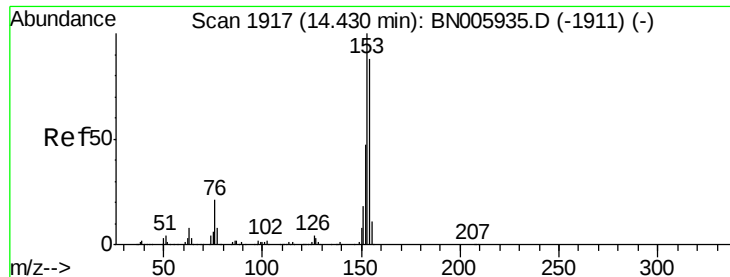
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#47
Acenaphthylene
Concen: 5.843 ng/ul
RT: 14.11 min Scan# 1862
Delta R.T. 0.02 min
Lab File: BN005943.D
Acq: 29 May 2019 22:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	15.3	9.8	14.8#





#49

Acenaphthene

Concen: 31.149 ng/ul

RT: 14.45 min Scan# 1921

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampled :

A42B8

Tot Ion:153 Resp: 2932477

Ion Ratio Lower Upper

153 100

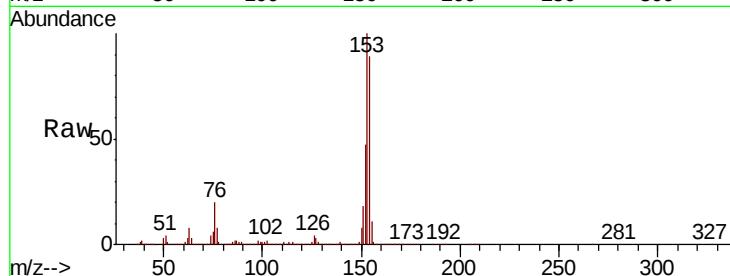
152 47.1 37.4 56.0

154 89.3 71.2 106.8

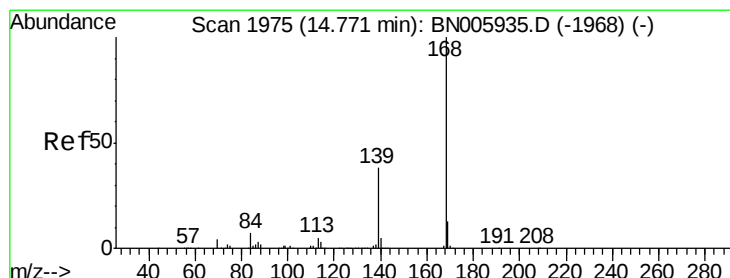
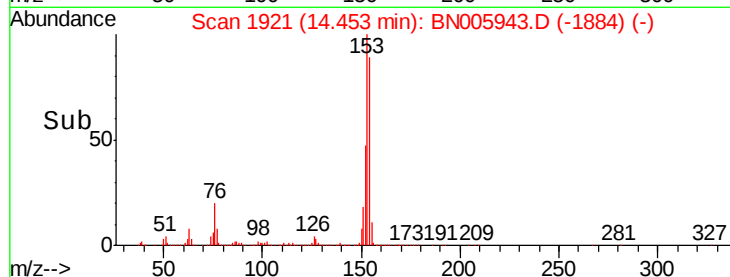
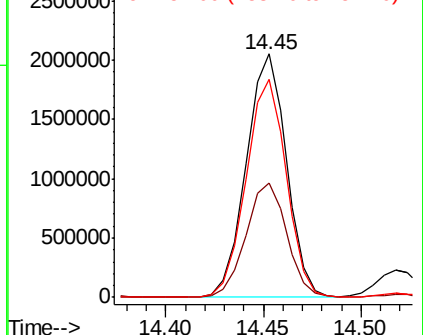
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 20.218 ng/ul

RT: 14.79 min Scan# 1978

Delta R.T. 0.02 min

Lab File: BN005943.D

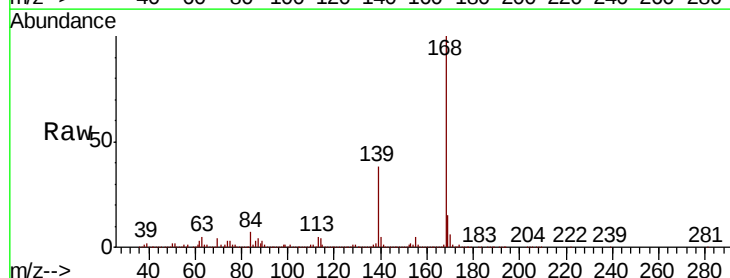
Acq: 29 May 2019 22:33

Tgt Ion:168 Resp: 2686888

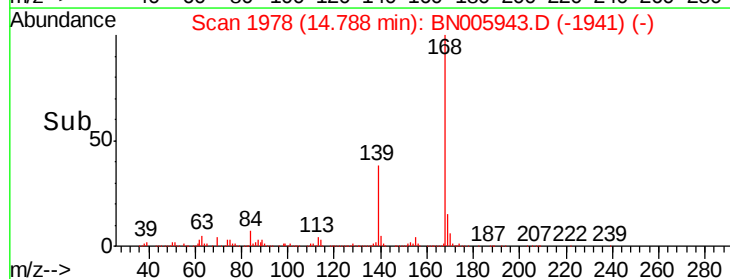
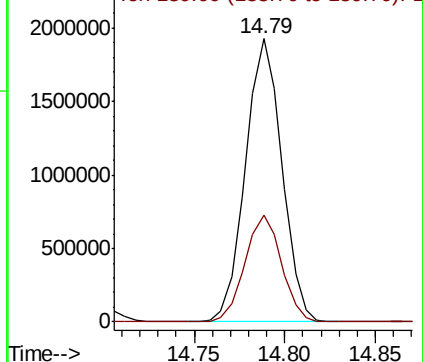
Ion Ratio Lower Upper

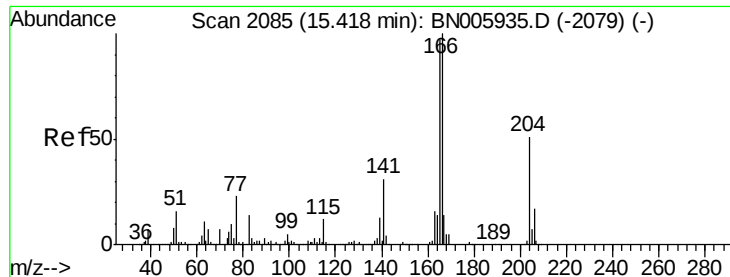
168 100

139 37.9 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: 40.024 ng/ul

RT: 15.44 min Scan# 2089

Delta R.T. 0.02 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

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Tot Ion:166 Resp: 4177704

Ion Ratio Lower Upper

166 100

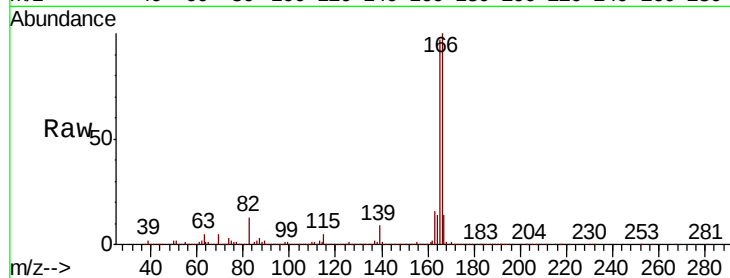
165 97.3 80.0 120.0

167 13.8 10.7 16.1

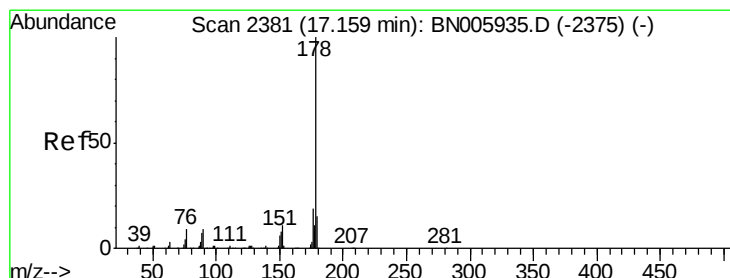
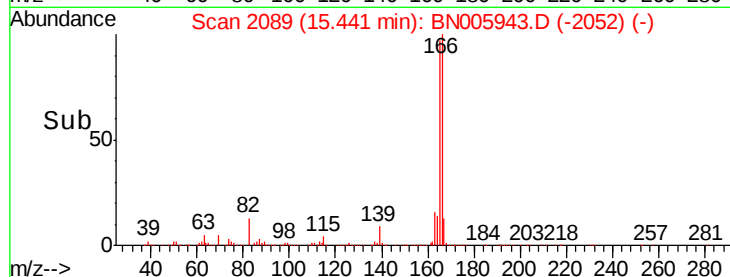
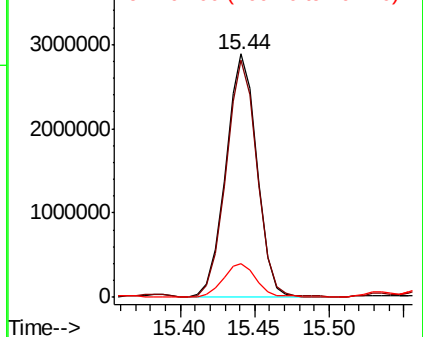
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 159.248 ng/ul m

RT: 17.19 min Scan# 2386

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

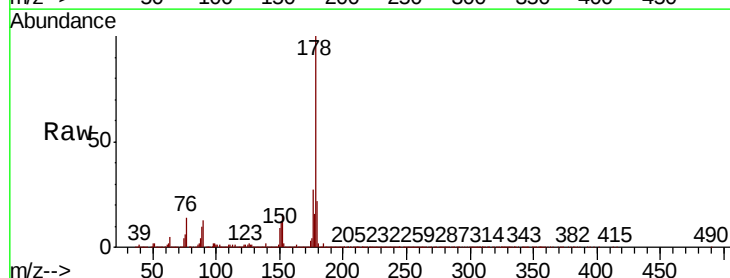
Tgt Ion:178 Resp:24525452

Ion Ratio Lower Upper

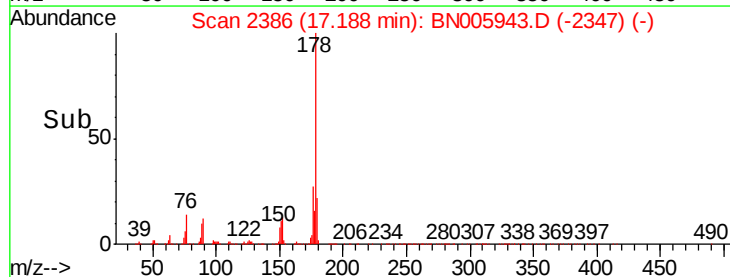
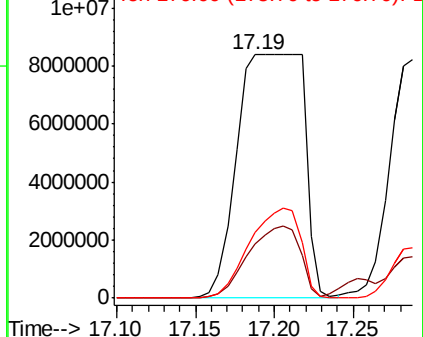
178 100

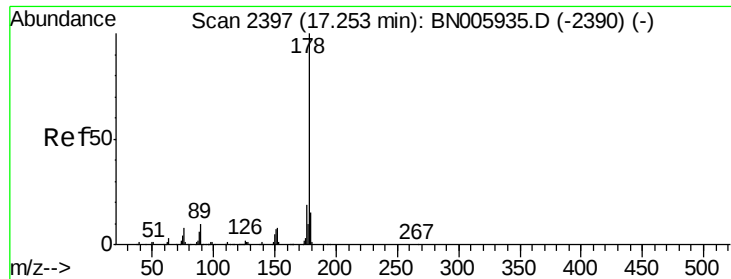
179 22.4 12.2 18.4#

176 26.9 15.1 22.7#



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: 82.206 ng/ul

RT: 17.29 min Scan# 2403

Delta R.T. 0.04 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampled :

A42B8

Tot Ion:178 Resp:12853398

Ion Ratio Lower Upper

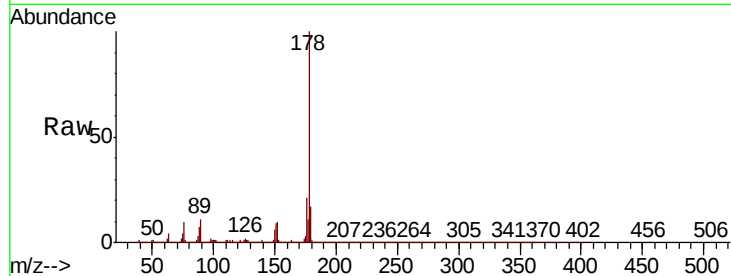
178 100

179 17.1 12.3 18.5

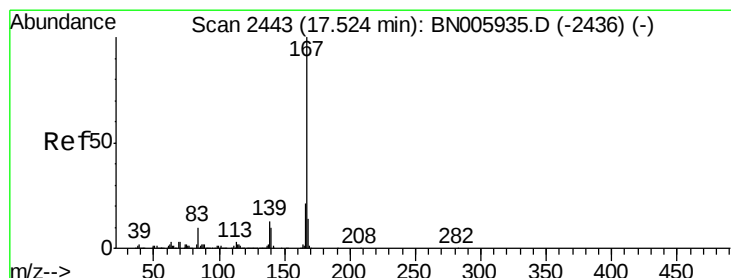
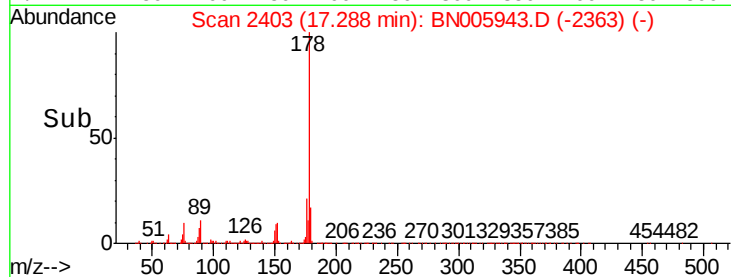
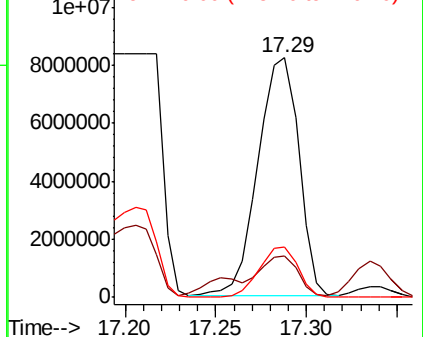
176 21.2 15.1 22.7

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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: 50.149 ng/ul

RT: 17.55 min Scan# 2447

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

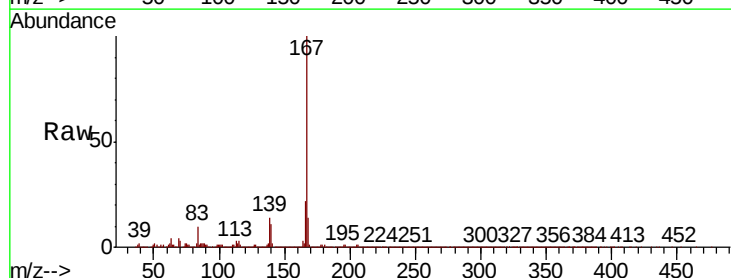
Tgt Ion:167 Resp: 7063762

Ion Ratio Lower Upper

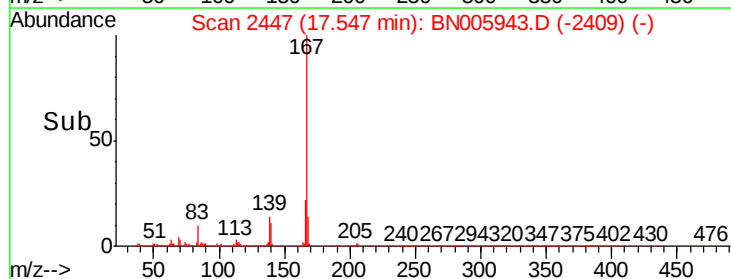
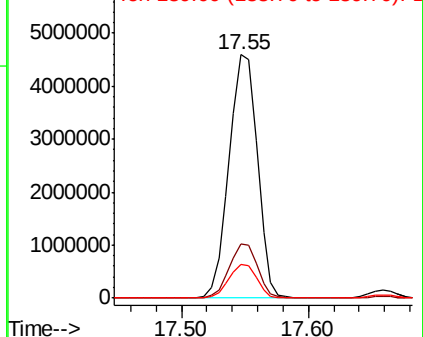
167 100

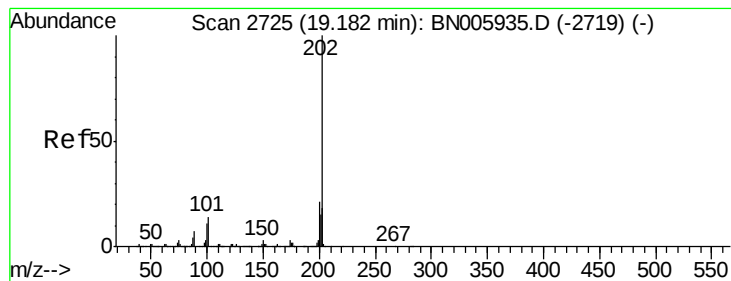
166 22.3 17.2 25.8

139 13.9 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: 153.736 ng/ul m

RT: 19.22 min Scan# 2731

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampled :

A42B8

Tot Ion:202 Resp:25275512

Ion Ratio Lower Upper

202 100

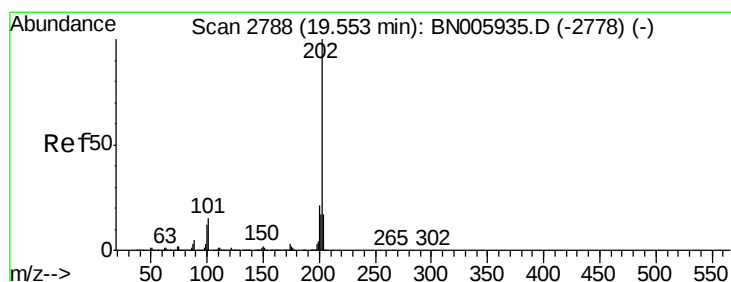
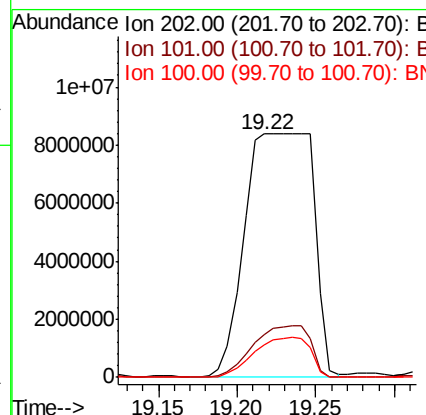
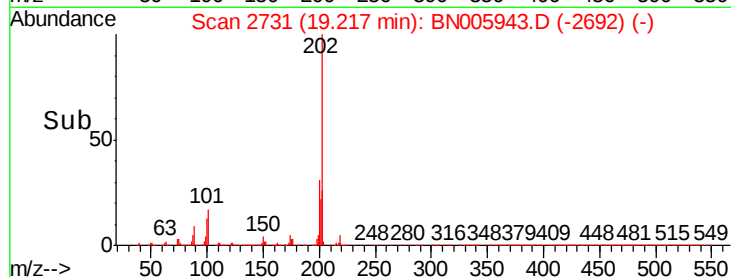
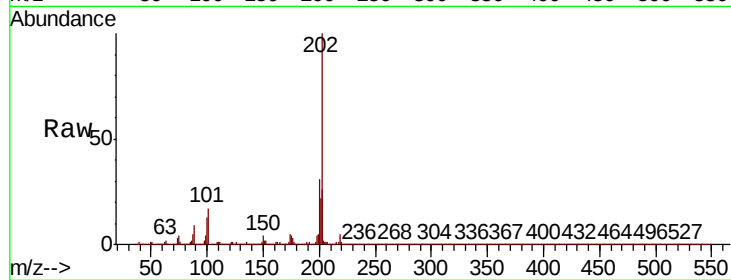
101 17.4 8.6 12.8#

100 13.2 6.3 9.5#

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#79

Pyrene

Concen: 236.886 ng/ul m

RT: 19.58 min Scan# 2793

Delta R.T. 0.03 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

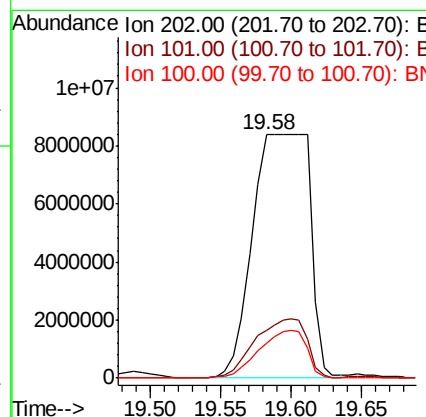
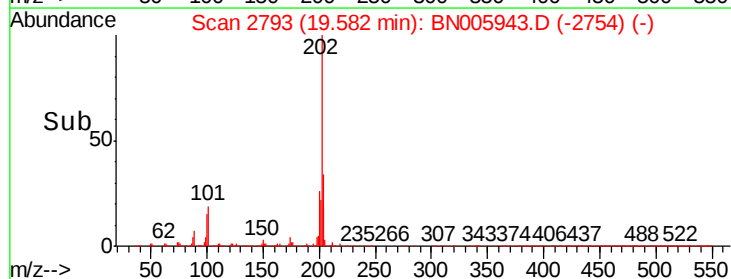
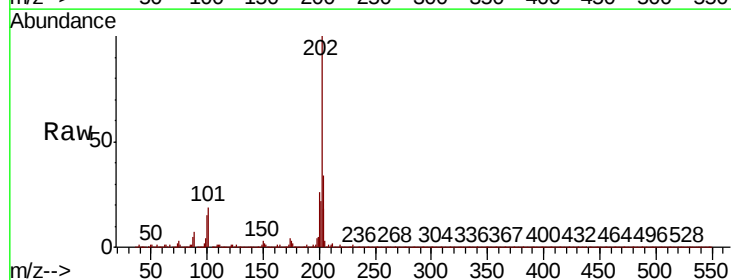
Tgt Ion:202 Resp:23874655

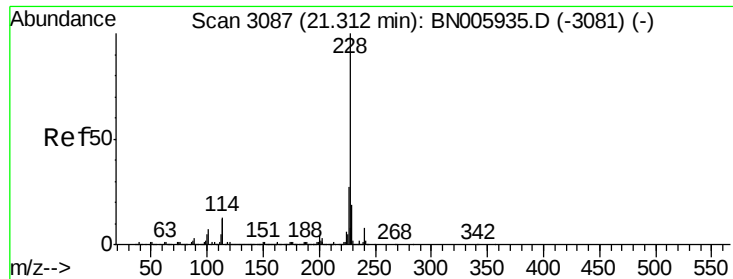
Ion Ratio Lower Upper

202 100

101 19.4 10.3 15.5#

100 14.6 7.9 11.9#





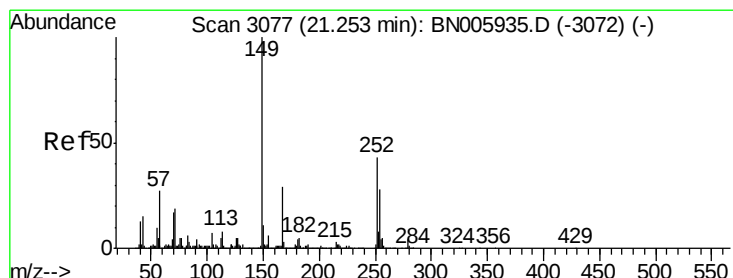
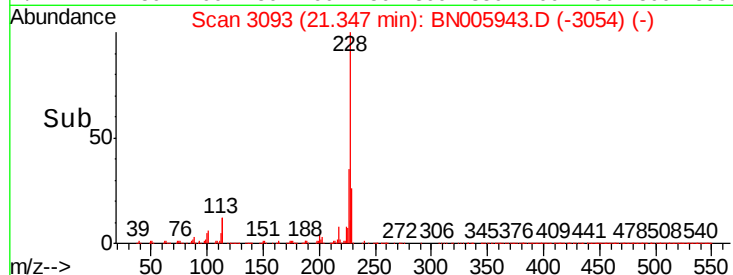
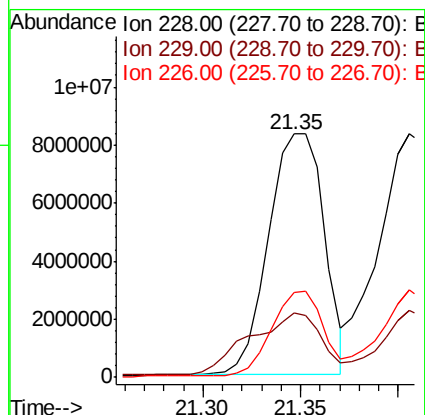
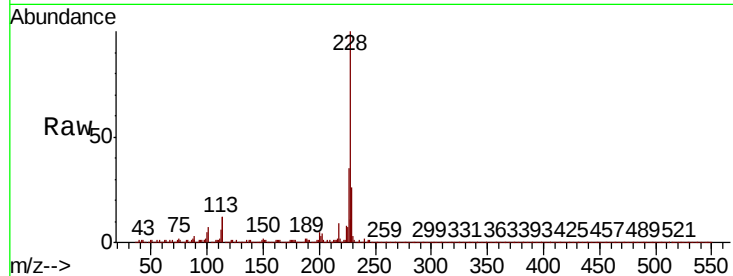
#82
Benzo(a)anthracene
Concen: 163.777 ng/ul
RT: 21.35 min Scan# 3093
Delta R.T. 0.03 min
Lab File: BN005943.D
Acq: 29 May 2019 22:33

Instrument :
BNA_N
ClientSampled :
A42B8

Tot Ion:228 Resp:16380244
Ion Ratio Lower Upper
228 100
229 26.4 15.8 23.6#
226 35.0 21.4 32.2#

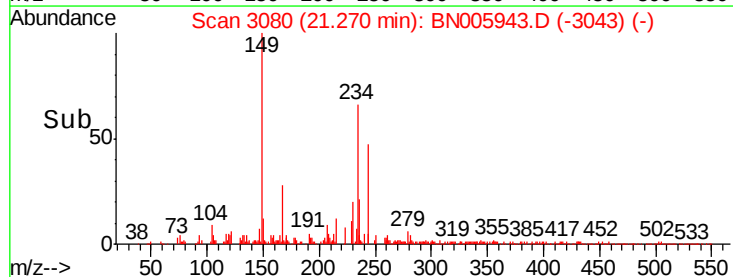
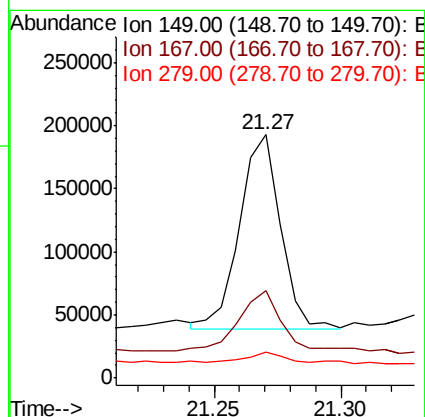
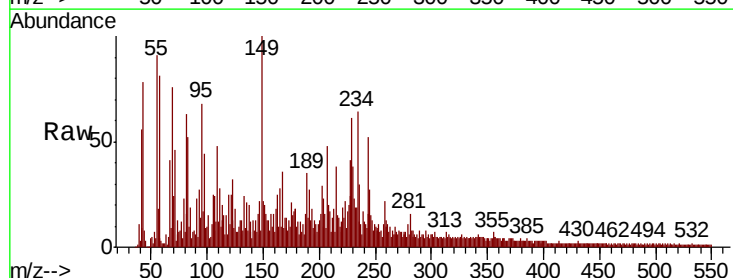
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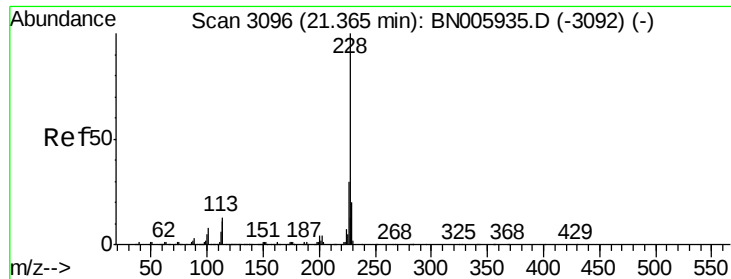
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.638 ng/ul
RT: 21.27 min Scan# 3080
Delta R.T. 0.02 min
Lab File: BN005943.D
Acq: 29 May 2019 22:33

Tgt Ion:149 Resp: 173215
Ion Ratio Lower Upper
149 100
167 36.1 22.3 33.5#
279 10.6 3.3 4.9#





#84

Chrysene

Concen: 165.475 ng/ul

RT: 21.41 min Scan# 3103

Delta R.T. 0.04 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampled :

A42B8

Tot Ion:228 Resp:15435730

Ion Ratio Lower Upper

228 100

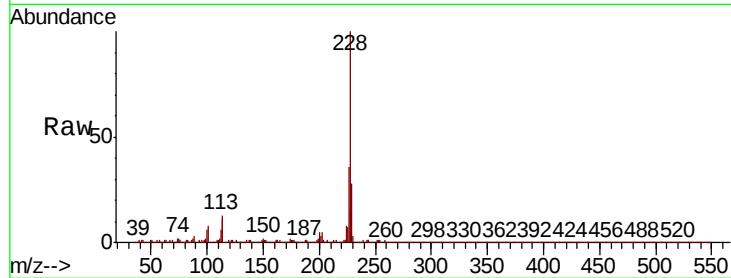
226 35.9 24.0 36.0

229 27.6 15.4 23.0#

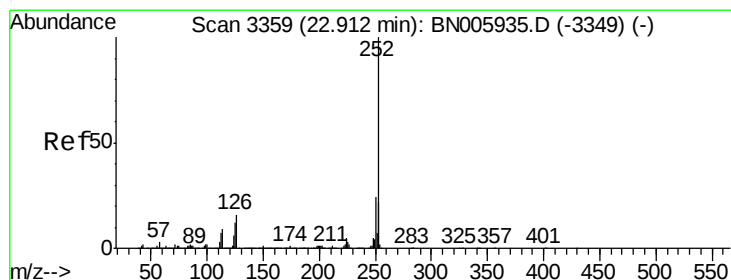
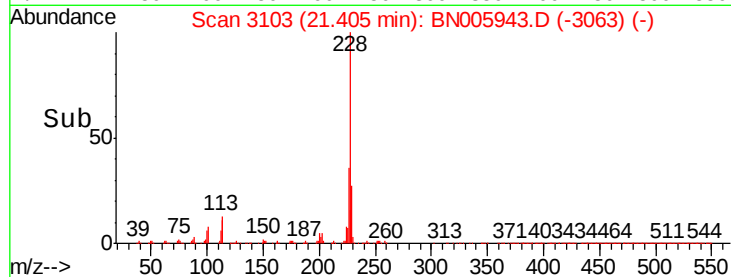
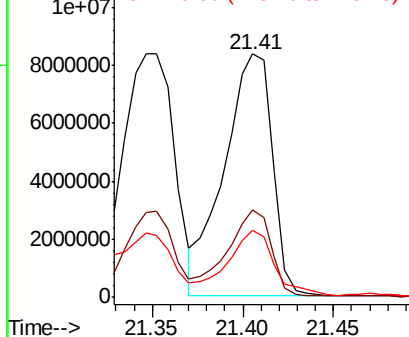
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 171.322 ng/ul

RT: 22.98 min Scan# 3371

Delta R.T. 0.07 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

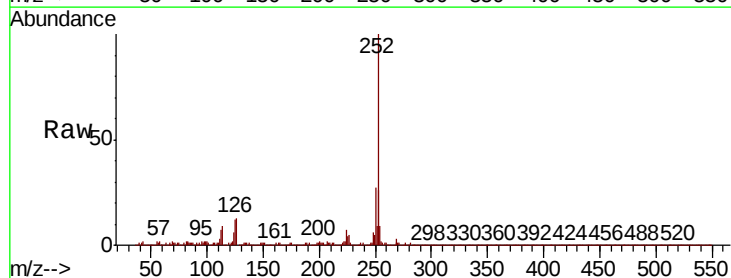
Tgt Ion:252 Resp:20713738

Ion Ratio Lower Upper

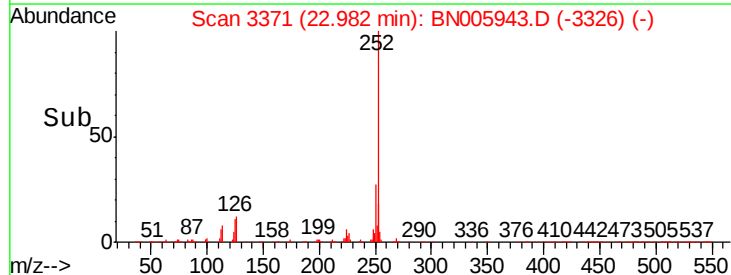
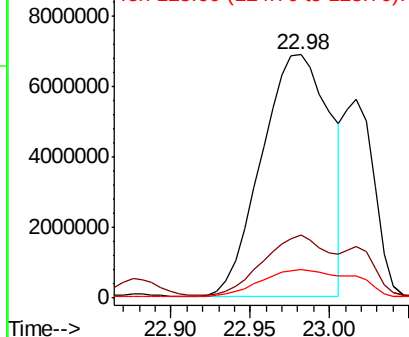
252 100

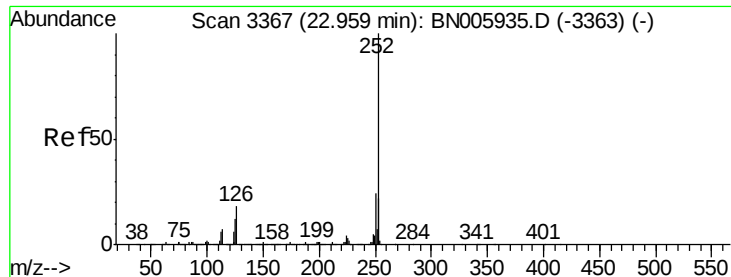
253 25.7 17.7 26.5

125 12.0 8.4 12.6



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





#88

Benzo(k)fluoranthene

Concen: 67.011 ng/ul m

RT: 23.02 min Scan# 3377

Delta R.T. 0.05 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

A42B8

Tot Ion:252 Resp: 7449346

Ion Ratio Lower Upper

252 100

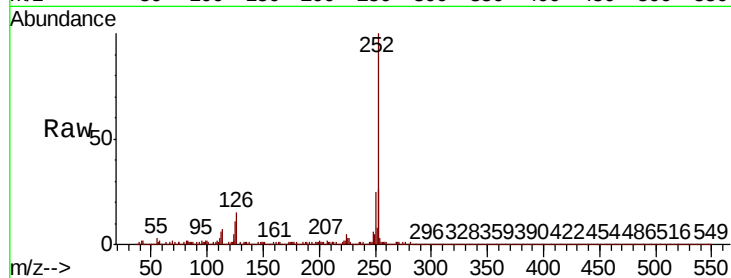
253 26.1 17.4 26.0#

125 11.2 7.5 11.3

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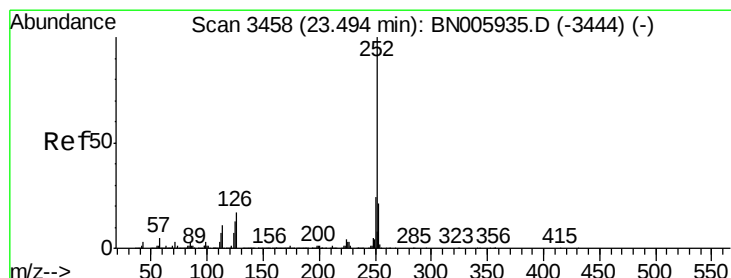
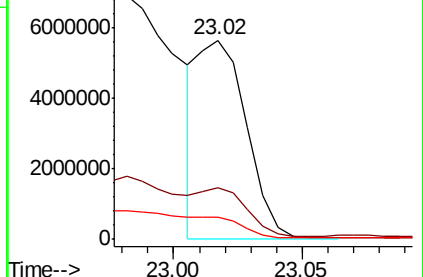
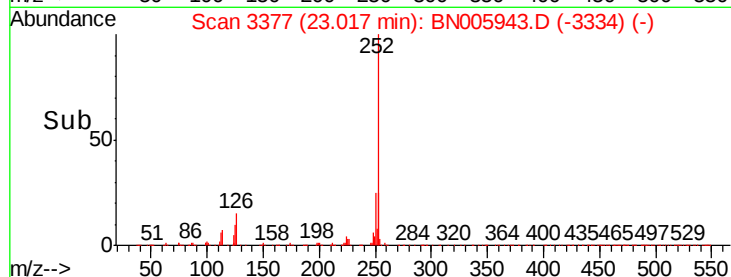
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 134.221 ng/ul m

RT: 23.57 min Scan# 3471

Delta R.T. 0.07 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

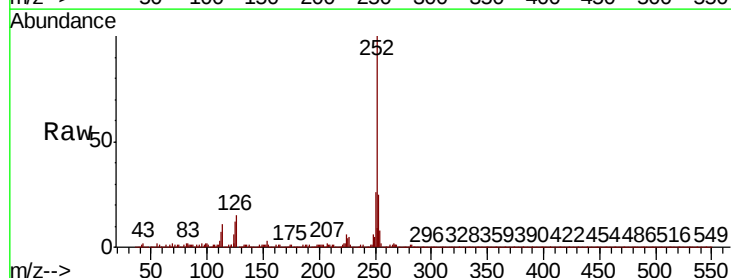
Tgt Ion:252 Resp:15303499

Ion Ratio Lower Upper

252 100

253 25.3 17.3 25.9

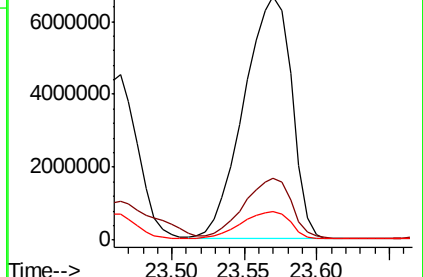
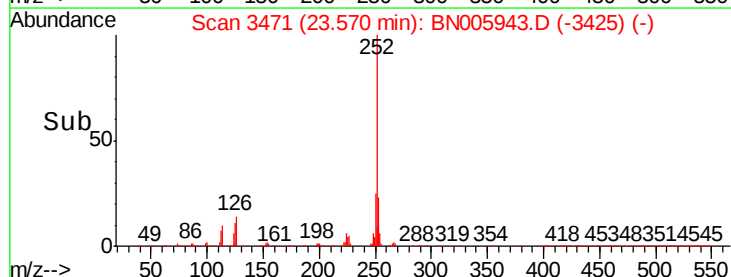
125 11.7 8.6 13.0

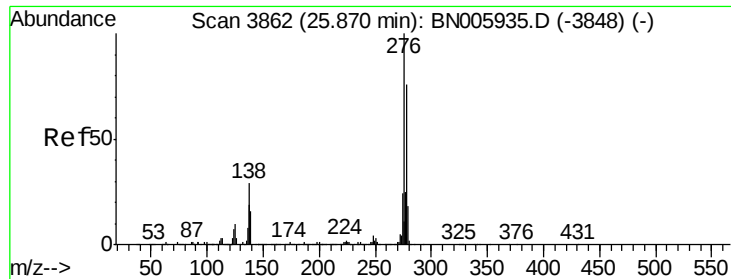


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





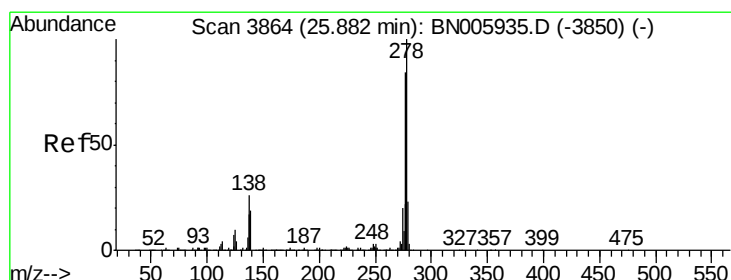
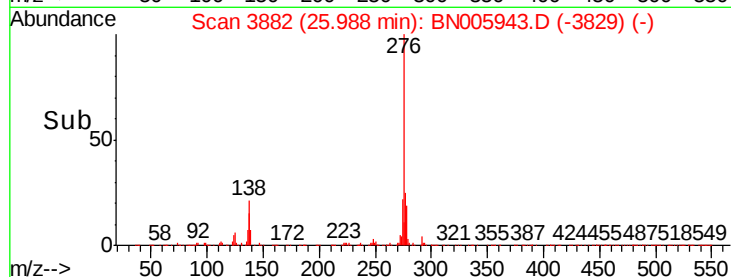
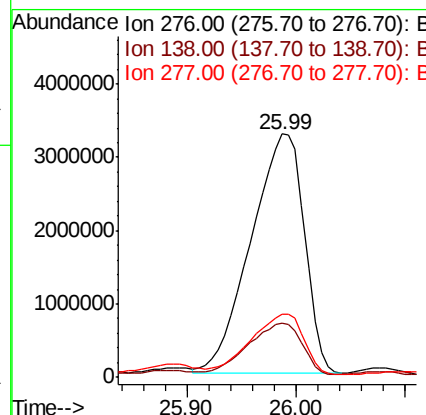
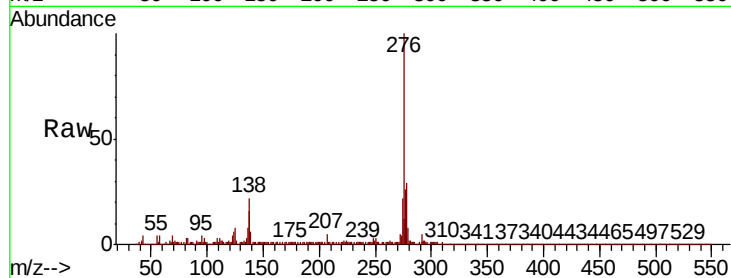
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 82.074 ng/ul m
 RT: 25.99 min Scan# 3882
 Delta R.T. 0.11 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Instrument :
 BNA_N
 ClientSampleId :
 A42B8

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.9	26.9
277	25.9	19.7	29.5

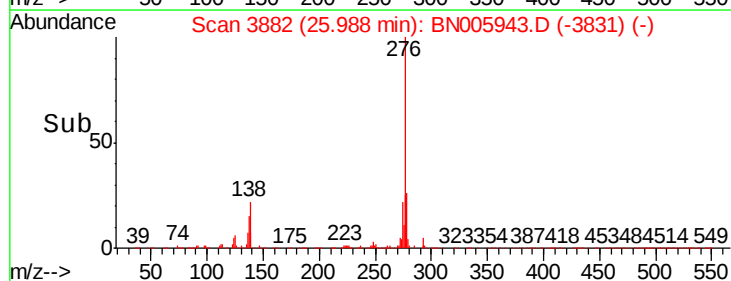
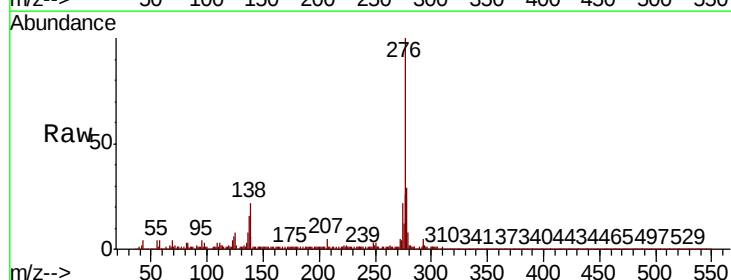
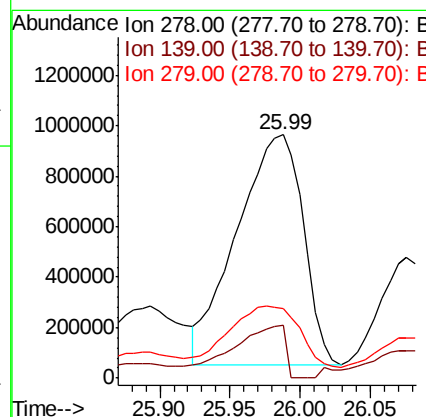
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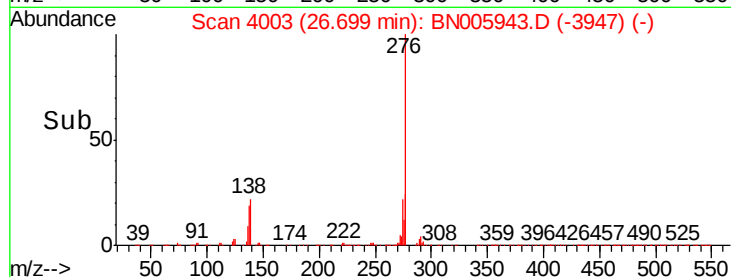
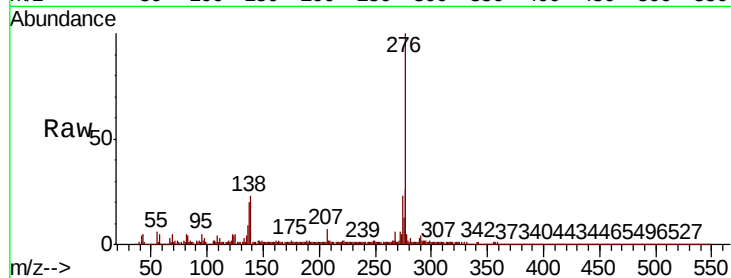
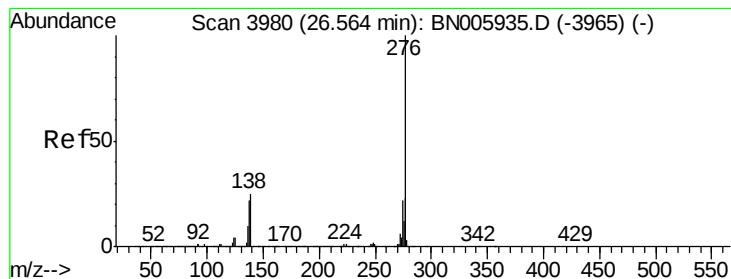
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#92
 Dibenzo(a,h)anthracene
 Concen: 27.037 ng/ul m
 RT: 25.99 min Scan# 3882
 Delta R.T. 0.10 min
 Lab File: BN005943.D
 Acq: 29 May 2019 22:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.7	13.1	19.7#
279	28.5	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 71.250 ng/ul m

RT: 26.70 min Scan# 4003

Delta R.T. 0.13 min

Lab File: BN005943.D

Acq: 29 May 2019 22:33

Instrument :

BNA_N

ClientSampleId :

A42B8

Tot Ion:276 Resp: 8028538

Ion Ratio Lower Upper

276 100

138 23.3 16.7 25.1

277 26.0 18.2 27.2

Manual Integrations

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