

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
 Data File : BN005544.D
 Acq On : 08 May 2019 22:18
 Operator : JU/SJ
 Sample : K2603-15DL 25X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ67DL

Manual Integrations
 APPROVED

Sohil
 5/9/2019 2:35:29 PM

Quant Time: May 09 04:02:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	205520	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	902432	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	579169	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	1396615m	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1283209	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1146511	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	979m	0.23	ng/uL	0.00
5) Phenol-d5	6.79	99	13192m	0.82	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.95	67	9564m	0.95	ng/ul	0.01
9) 2-Chlorophenol-d4	7.13	132	12286	0.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	10257	0.81	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	6512	1.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	5877m	1.04	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.01	165	10812	0.84	ng/ul	0.03
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.64	166	46372	1.10	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	59674	1.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	396m	0.06	ng/ul	-0.01
57) Fluorene-d10	15.22	176	46841	1.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	886m	0.14	ng/ul	0.02
70) Anthracene-d10	17.07	188	70567	1.21	ng/ul	0.00
78) Pyrene-d10	19.39	212	77278	1.18	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	53877	1.08	ng/ul	-0.02

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	3573413	85.177	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	1338602	43.577	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	241260	5.591	ng/ul#	97
47) Acenaphthylene	13.94	152	1298272	25.583	ng/ul	98
49) Acenaphthene	14.29	153	87519	2.526	ng/ul	98
53) Dibenzofuran	14.63	168	90317	1.811	ng/ul	95
58) Fluorene	15.27	166	638784	16.412	ng/ul	96
69) Phenanthrene	17.02	178	2990961m	43.973	ng/ul	
71) Anthracene	17.11	178	730638	10.545	ng/ul	99
76) Fluoranthene	19.05	202	1653411	21.916	ng/ul	96
79) Pyrene	19.42	202	2422150	29.316	ng/ul#	94
82) Benzo(a)anthracene	21.19	228	804778m	10.081	ng/ul	
84) Chrysene	21.24	228	721524	9.739	ng/ul	98
87) Benzo(b)fluoranthene	22.76	252	452329	7.018	ng/ul	99
88) Benzo(k)fluoranthene	22.79	252	131614m	2.138	ng/ul	
90) Benzo(a)pyrene	23.31	252	442489	7.304	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	160613m	2.398	ng/ul	
93) Benzo(g,h,i)perylene	26.26	276	147022	2.655	ng/ul	95

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

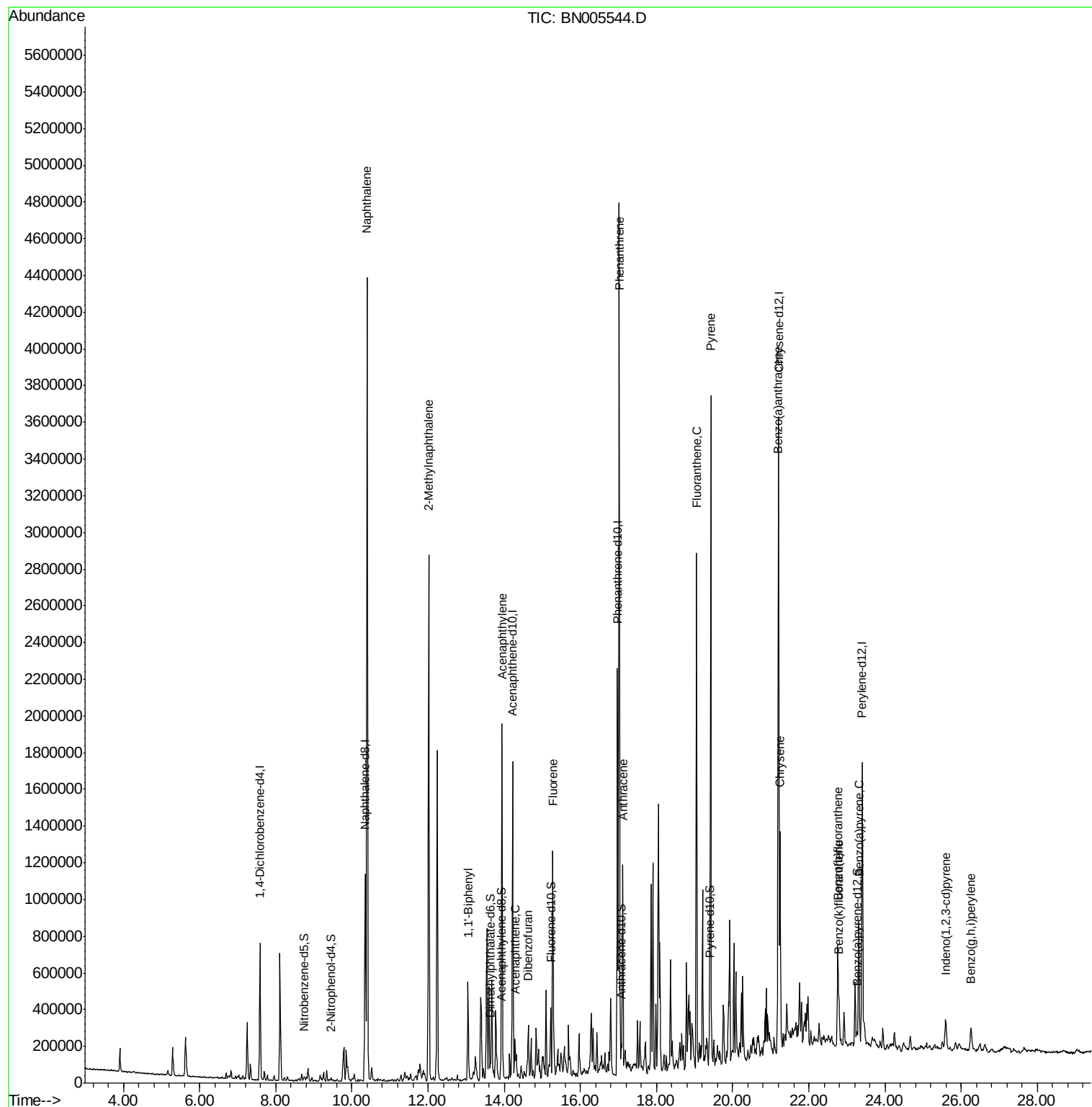
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050819\
Data File : BN005544.D
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Operator : JU/SJ
Sample : K2603-15DL 25X
Misc :
ALS Vial : 16 Sample Multiplier: 1

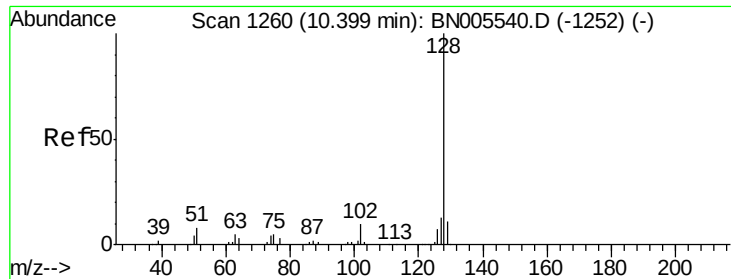
Instrument :
BNA_N
ClientSampleId :
GAJ67DL

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Quant Time: May 09 04:02:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 85.177 ng/ul

RT: 10.40 min Scan# 1260

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

GAJ67DL

Tot Ion:128 Resp: 3573413

Ion Ratio Lower Upper

128 100

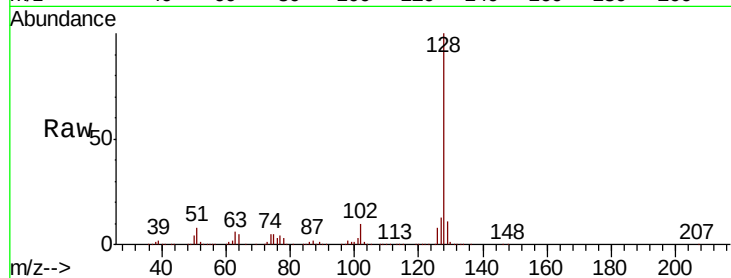
129 10.8 9.2 13.8

127 13.4 10.7 16.1

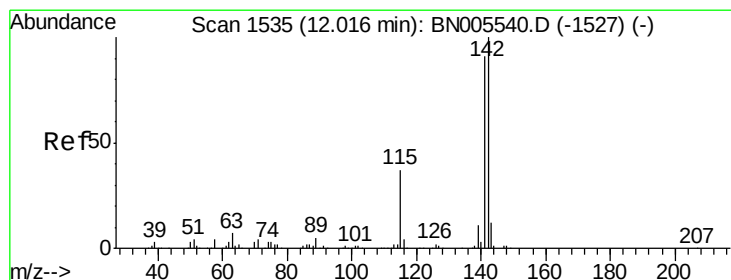
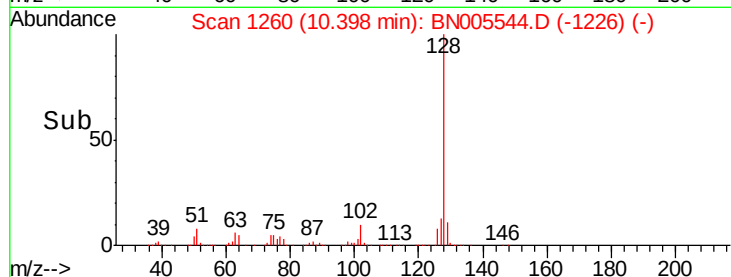
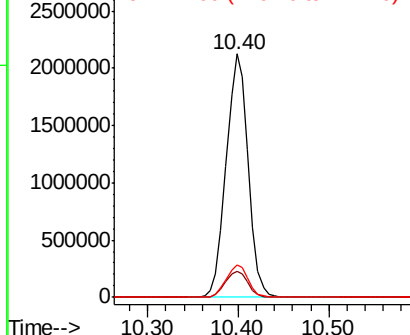
Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 43.577 ng/ul

RT: 12.02 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BN005544.D

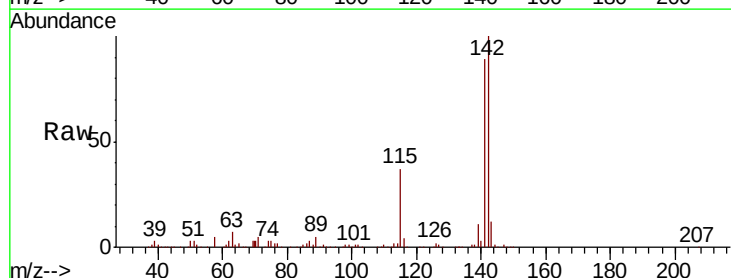
Acq: 08 May 2019 22:18

Tgt Ion:142 Resp: 1338602

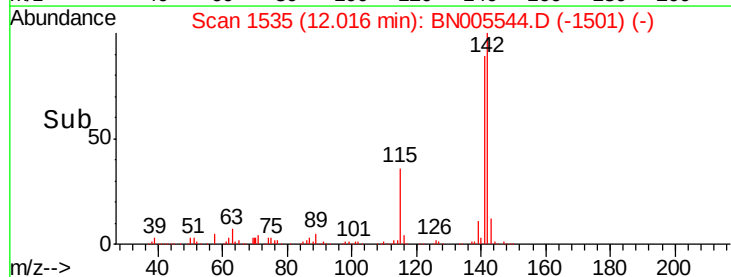
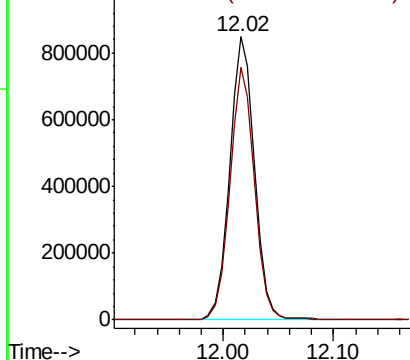
Ion Ratio Lower Upper

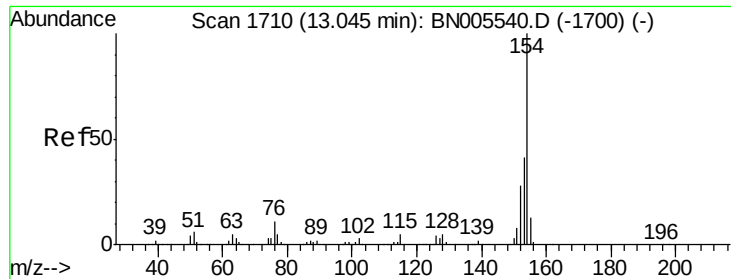
142 100

141 89.1 72.0 108.0



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





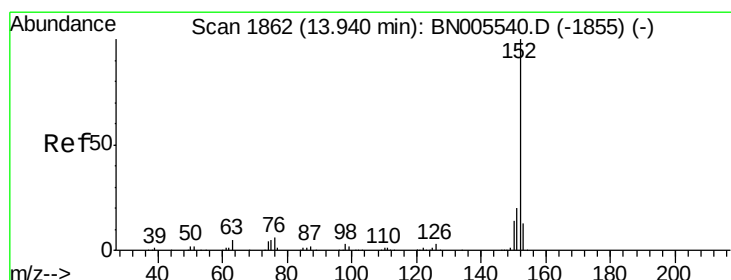
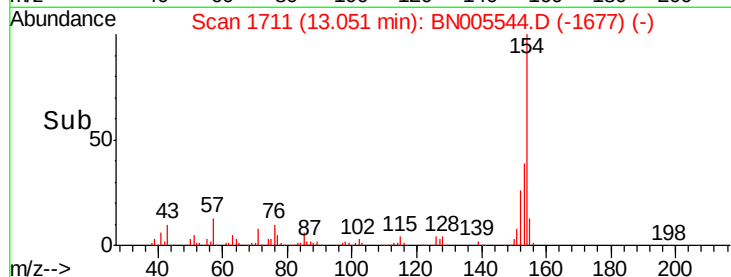
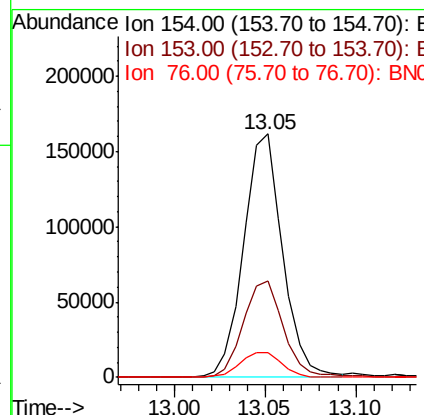
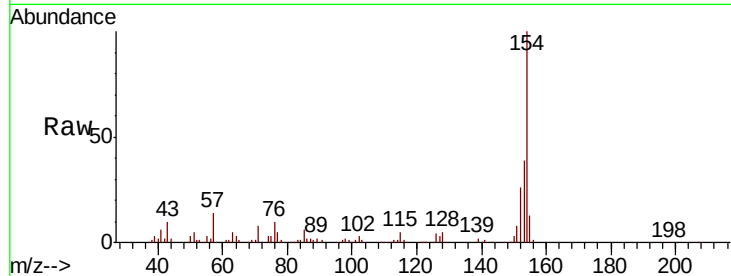
#40
 1,1'-Biphenyl
 Concen: 5.591 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 GAJ67DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.5	32.6	49.0
76	10.2	10.4	15.6

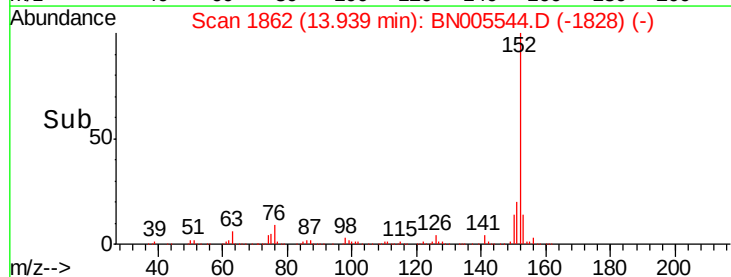
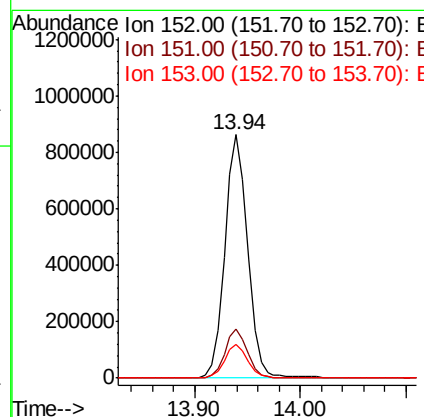
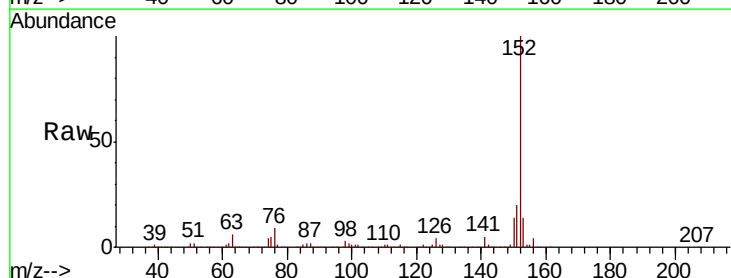
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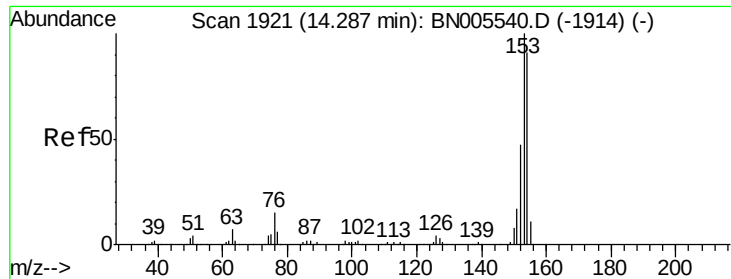
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#47
 Acenaphthylene
 Concen: 25.583 ng/ul
 RT: 13.94 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.8	9.8	14.8





#49

Acenaphthene

Concen: 2.526 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

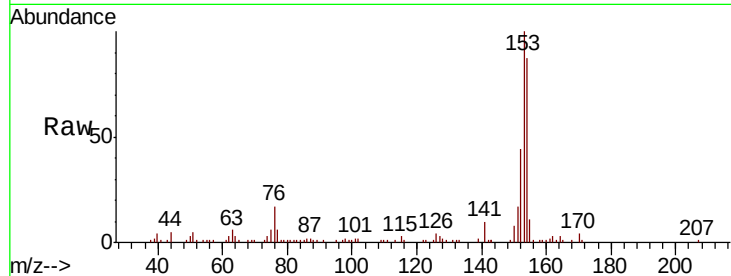
ClientSampleId :

GAJ67DL

Tot Ion:	153	Resp:	87519
Ion	Ratio	Lower	Upper
153	100		
152	44.5	37.4	56.0
154	87.3	71.2	106.8

Manual Integrations
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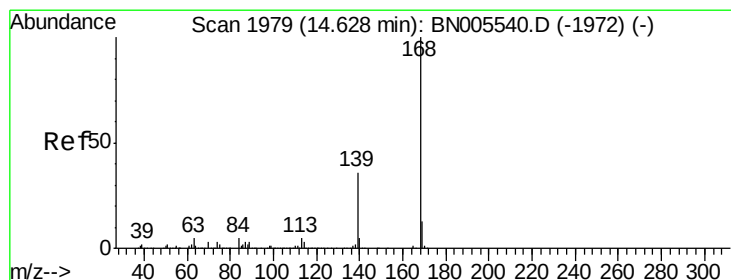
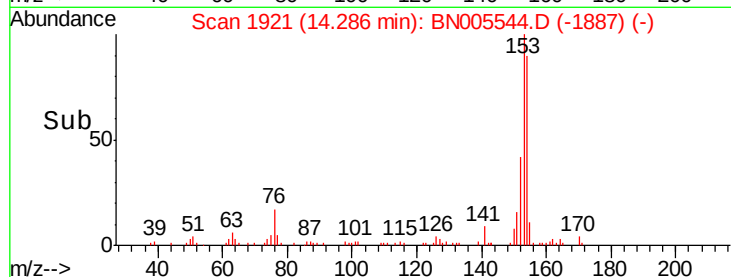
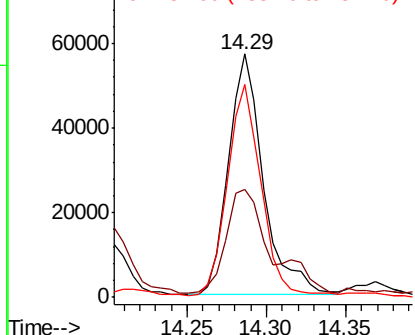


Abundance

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: 1.811 ng/ul

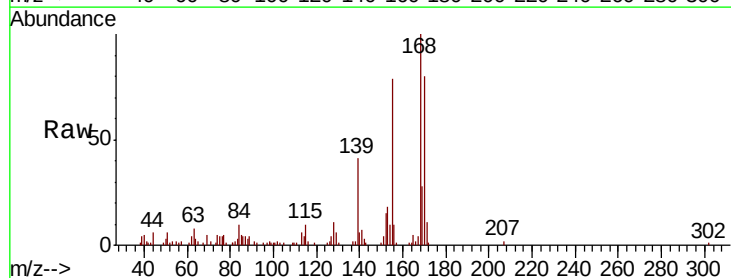
RT: 14.63 min Scan# 1979

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

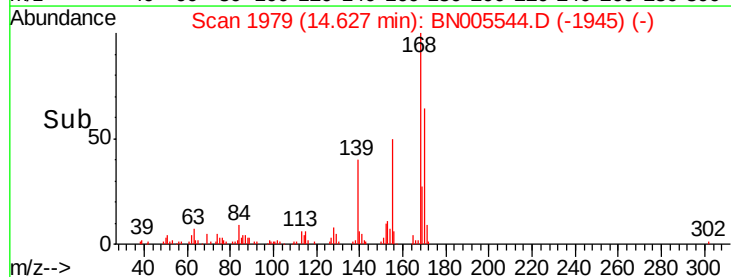
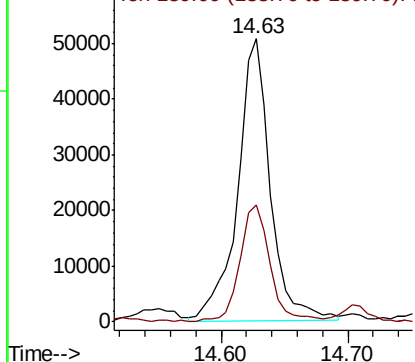
Tgt Ion:	168	Resp:	90317
Ion	Ratio	Lower	Upper
168	100		
139	41.5	30.9	46.3

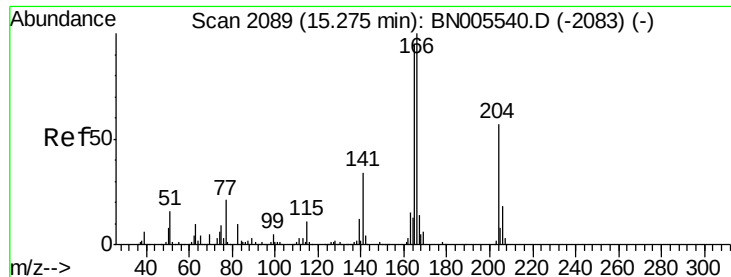


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





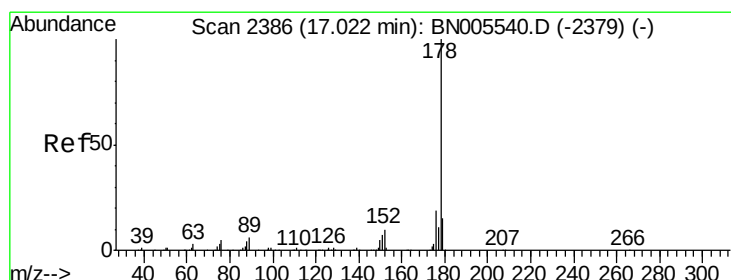
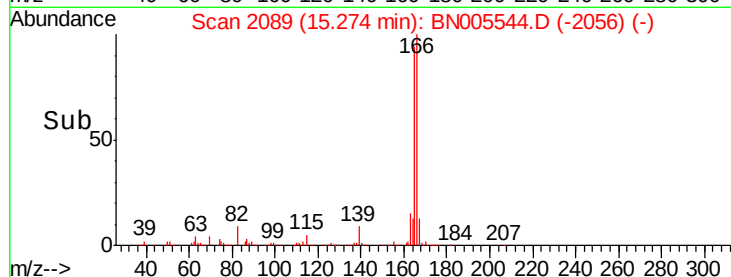
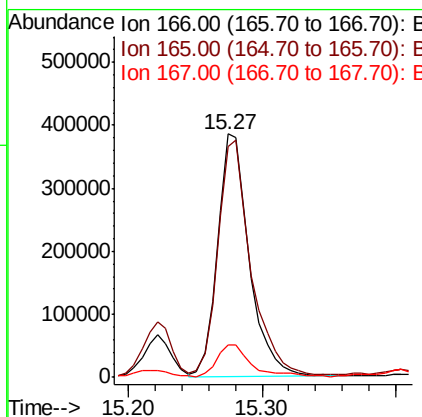
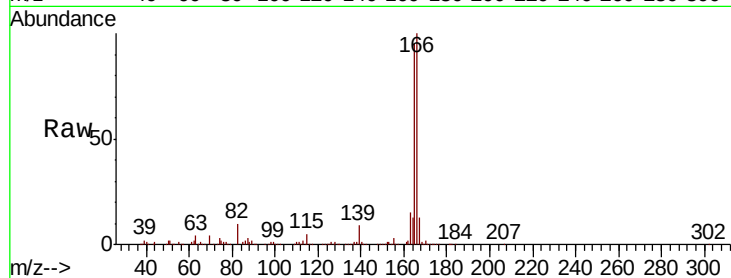
#58
 Fluorene
 Concen: 16.412 ng/ul
 RT: 15.27 min Scan# 2089
 Delta R.T. -0.01 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Instrument :
 BNA_N
 ClientSampled :
 GAJ67DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.0	80.0	120.0
167	13.4	10.7	16.1

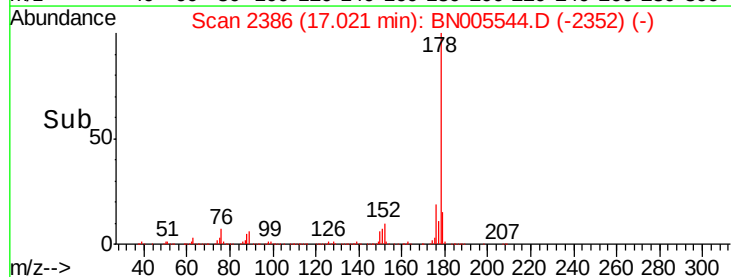
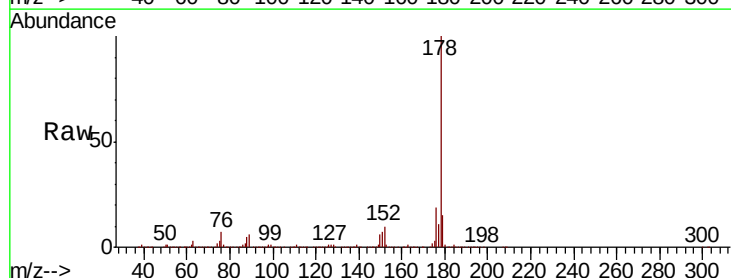
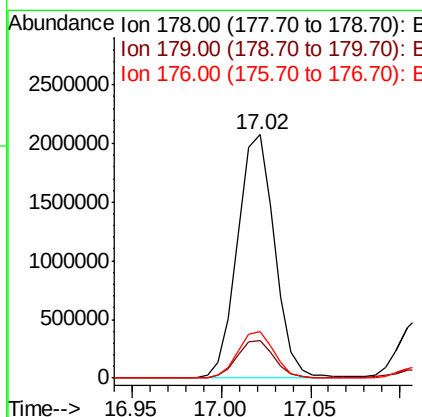
Manual Integrations
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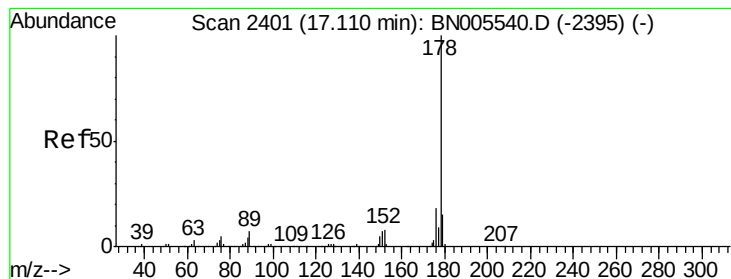
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#69
 Phenanthrene
 Concen: 43.973 ng/ul m
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.2	15.1	22.7





#71

Anthracene

Concen: 10.545 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

GAJ67DL

Tot Ion:178 Resp: 730638

Ion Ratio Lower Upper

178 100

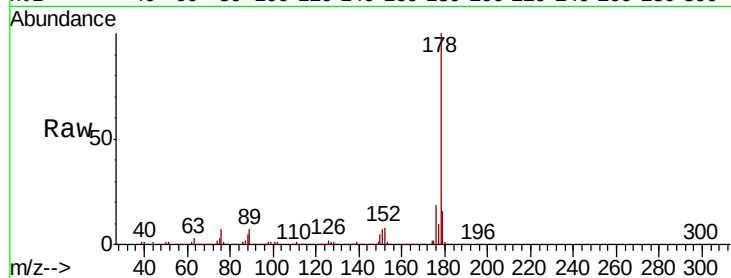
179 15.5 12.3 18.5

176 18.6 15.1 22.7

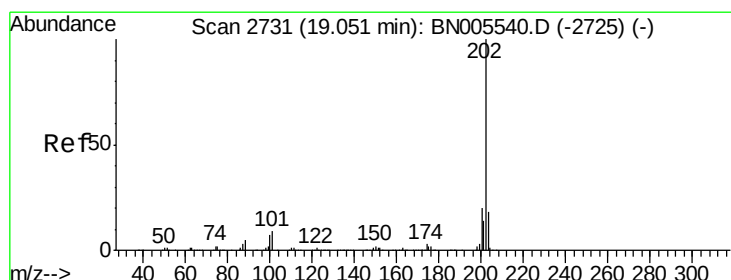
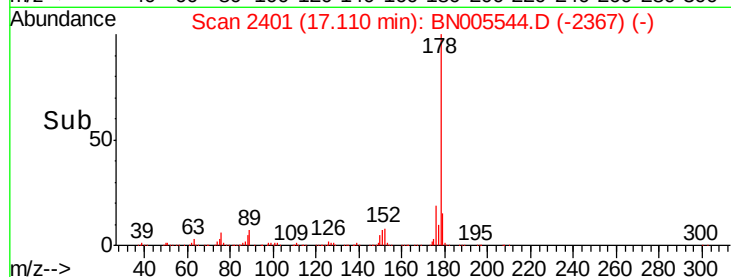
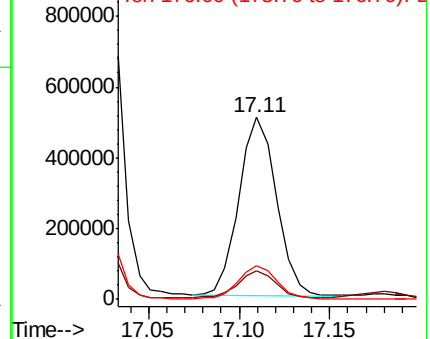
Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#76

Fluoranthene

Concen: 21.916 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.01 min

Lab File: BN005544.D

Acq: 08 May 2019 22:18

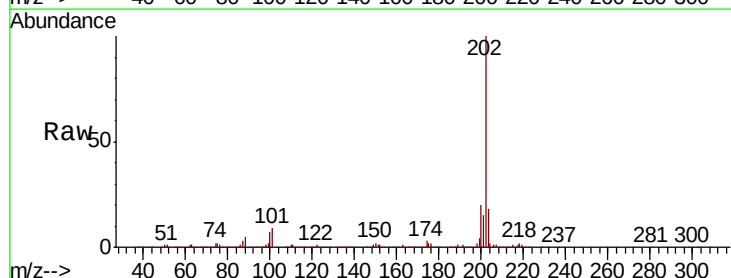
Tgt Ion:202 Resp: 1653411

Ion Ratio Lower Upper

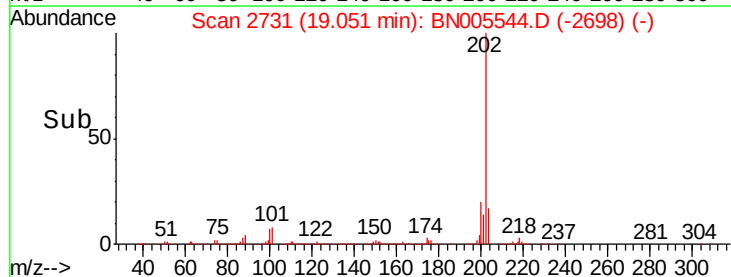
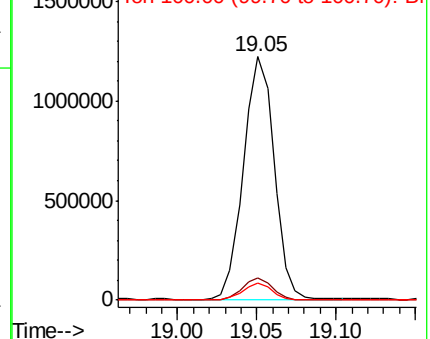
202 100

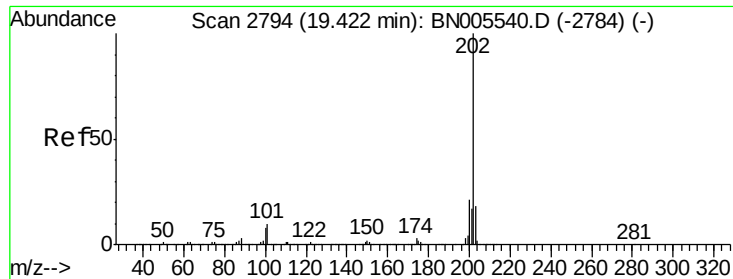
101 8.9 8.6 12.8

100 6.9 6.3 9.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





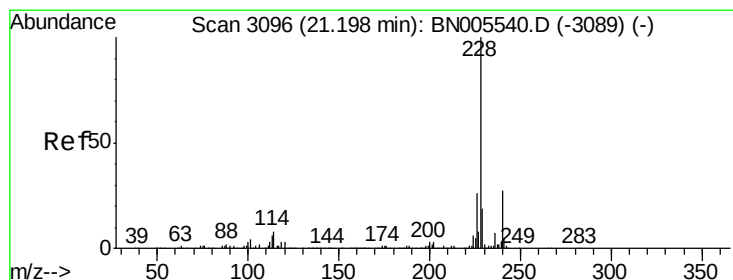
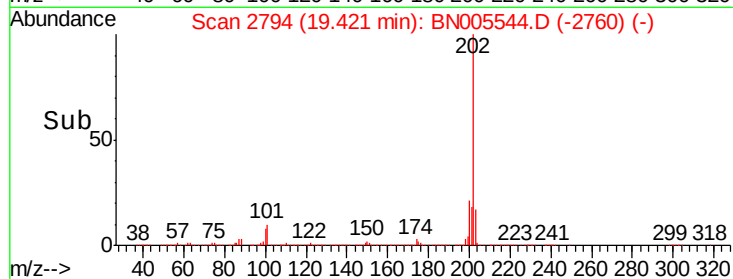
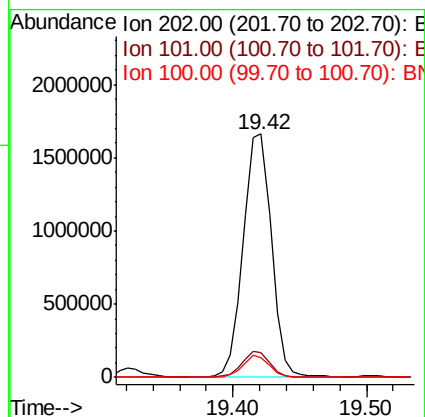
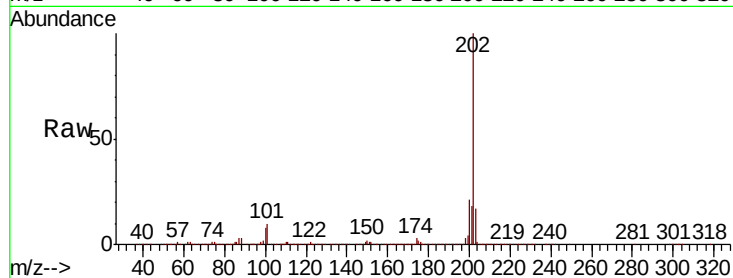
#79
 Pvrene
 Concen: 29.316 ng/ul
 RT: 19.42 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Instrument :
 BNA_N
 ClientSampleId :
 GAJ67DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.3	15.5#
100	8.1	7.9	11.9

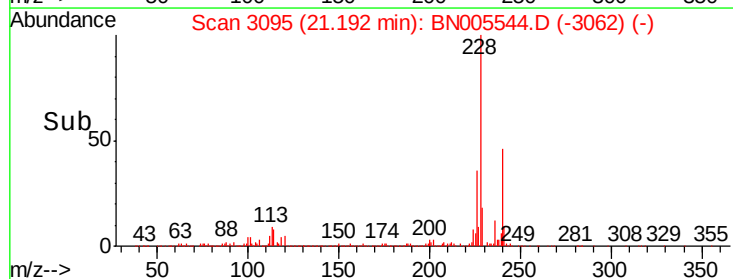
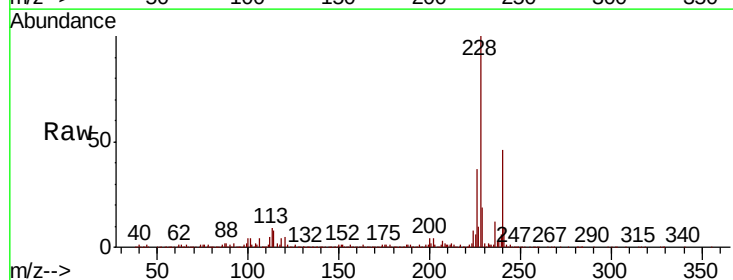
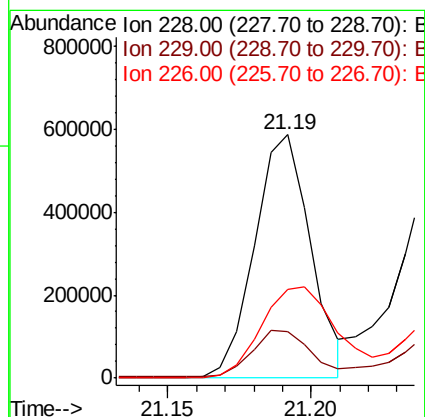
Manual Integrations
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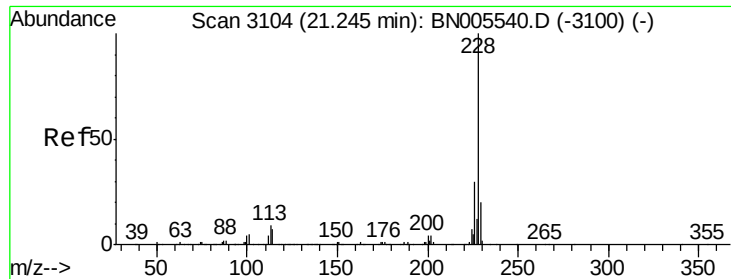
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#82
 Benzo(a)anthracene
 Concen: 10.081 ng/ul m
 RT: 21.19 min Scan# 3095
 Delta R.T. -0.01 min
 Lab File: BN005544.D
 Acq: 08 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.2	15.8	23.6
226	36.5	21.4	32.2#





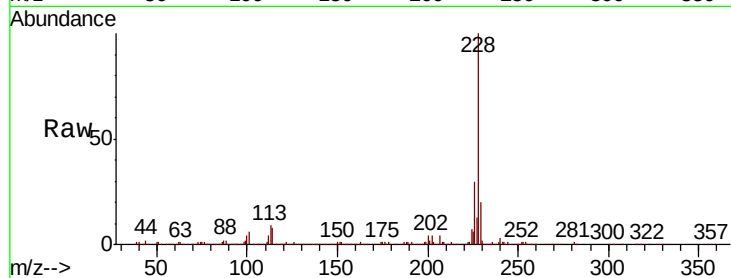
#84
Chrysene
Concen: 9.739 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ67DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	20.5	15.4	23.0

Manual Integrations
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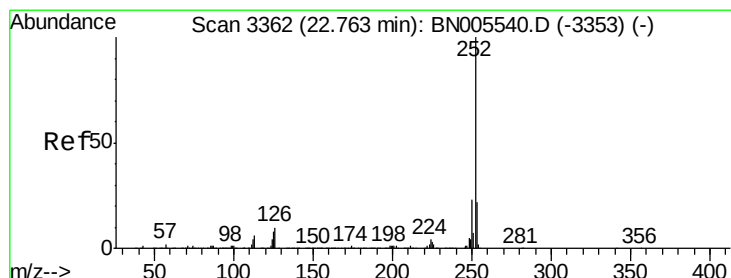
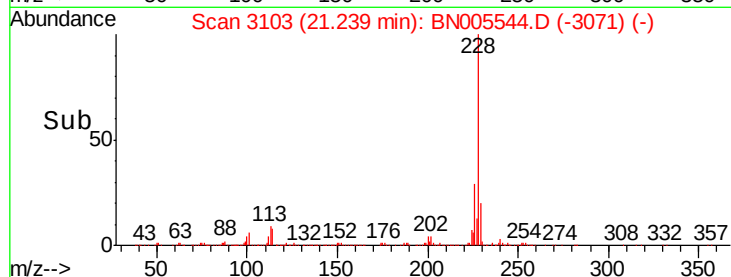
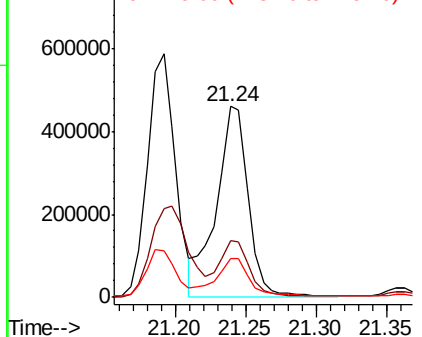


Abundance

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: 7.018 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

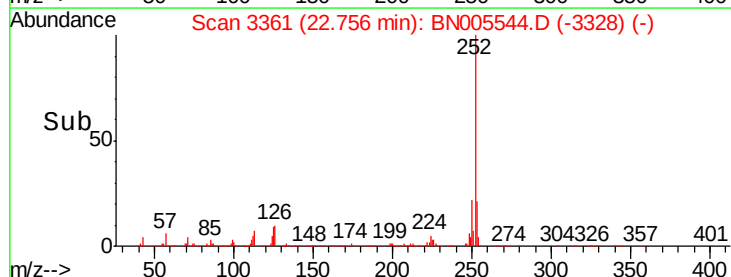
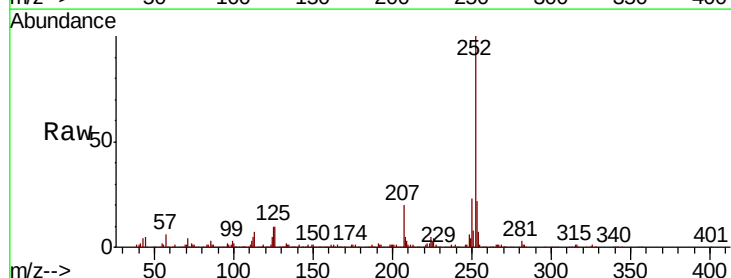
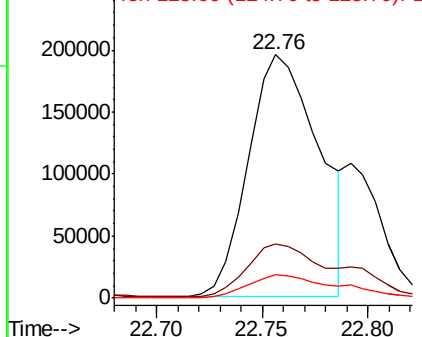
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.8	8.4	12.6

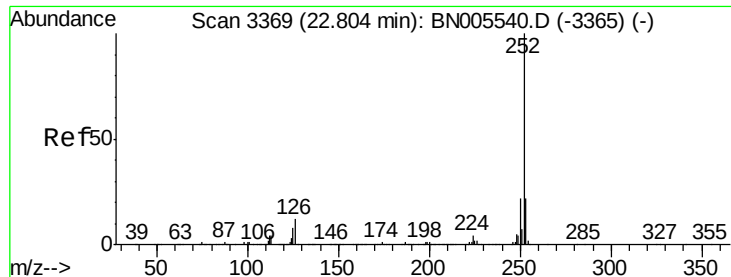
Abundance

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





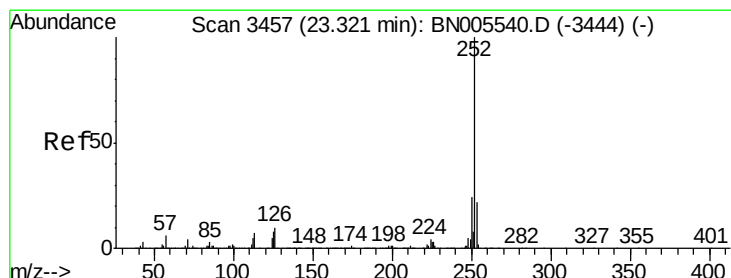
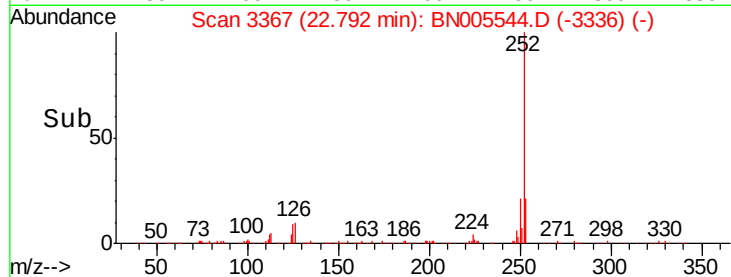
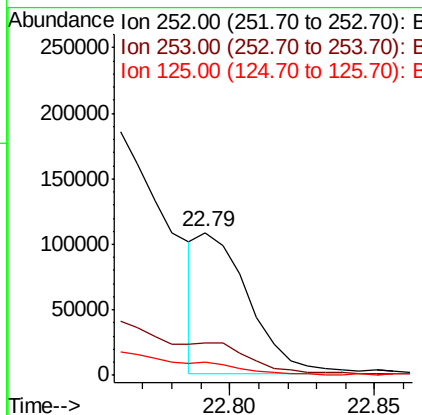
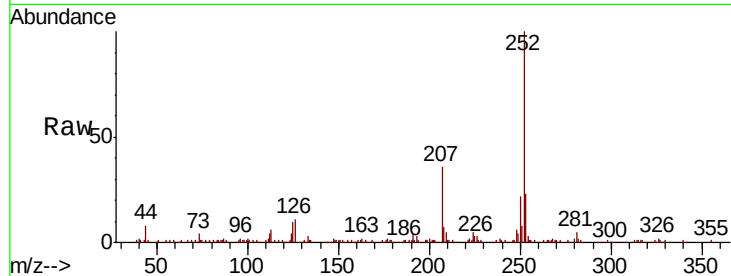
#88
Benzo(k)fluoranthene
Concen: 2.138 ng/ul m
RT: 22.79 min Scan# 3367
Delta R.T. -0.02 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Instrument :
BNA_N
ClientSampled :
GAJ67DL

Tot Ion:	252	Resp:	131614
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	9.6	7.5	11.3

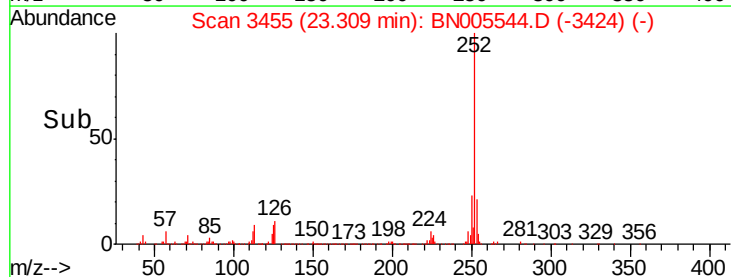
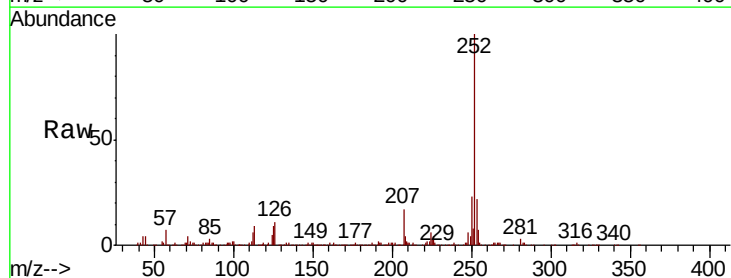
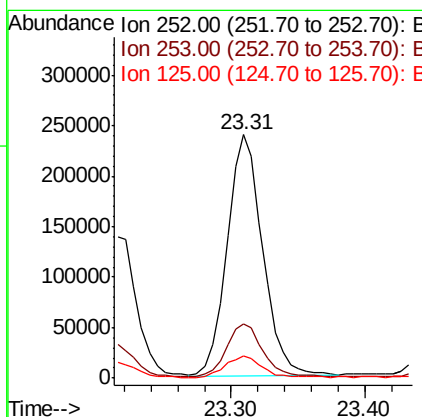
Manual Integrations
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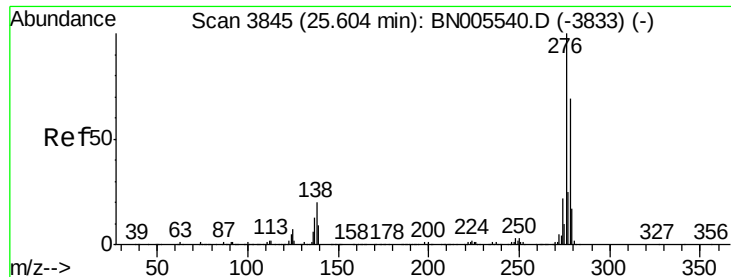
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#90
Benzo(a)pyrene
Concen: 7.304 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. -0.02 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Tgt Ion:	252	Resp:	442489
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	9.0	8.6	13.0





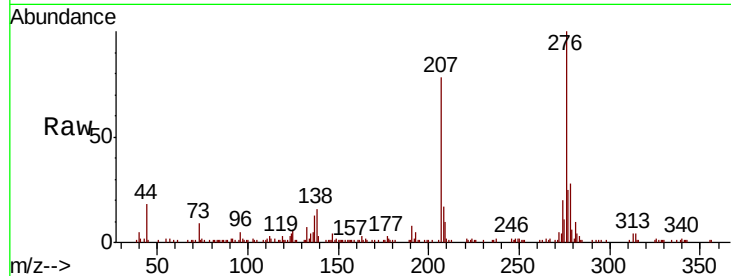
#91
Indeno(1,2,3-cd)pyrene
Concen: 2.398 ng/ul m
RT: 25.59 min Scan# 3843
Delta R.T. -0.02 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Instrument :
BNA_N
ClientSampled :
GAJ67DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	17.9	26.9#
277	25.0	19.7	29.5

Manual Integrations
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Sohil
5/9/2019 2:35:29 PM

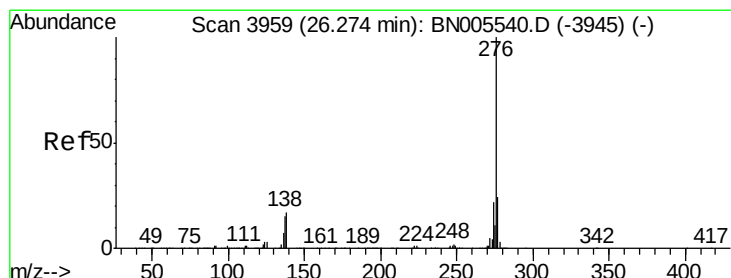
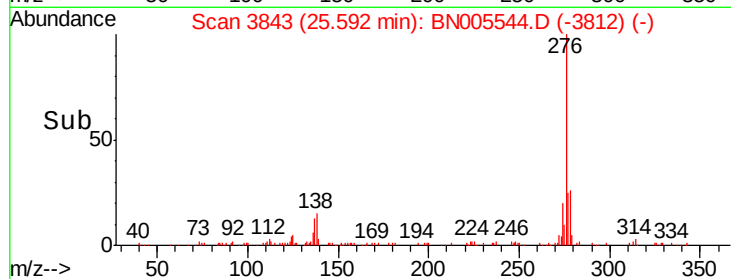
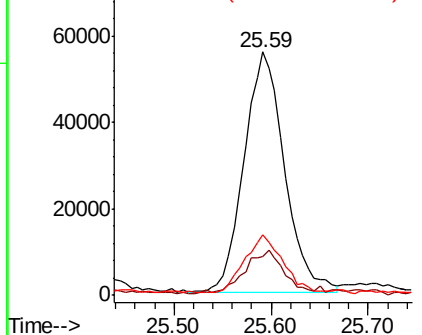


Abundance

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



#93
Benzo(g,h,i)perylene
Concen: 2.655 ng/ul
RT: 26.26 min Scan# 3956
Delta R.T. -0.02 min
Lab File: BN005544.D
Acq: 08 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	16.7	25.1
277	24.7	18.2	27.2

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

