

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042919\
 Data File : BN005357.D
 Acq On : 29 Apr 2019 18:35
 Operator : JU/SJ
 Sample : K2481-15DL 30X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAHW8DL

Manual Integrations
 APPROVED

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 4/30/2019 6:27:08 PM

Quant Time: Apr 30 01:52:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	259652	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1088970	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	650752	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1425061	20.00	ng/ul	0.00
77) Chrysene-d12	21.21	240	1422965	20.00	ng/ul	-0.02
85) Perylene-d12	23.42	264	1607504	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	810	0.15	ng/uL	0.00
5) Phenol-d5	6.78	99	9130	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	6576	0.52	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	7956	0.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	7007	0.44	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	4160	0.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	3661m	0.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	8201m	0.53	ng/ul	0.01
29) 4-Chloroaniline-d4	10.55	131	8248m	0.51	ng/ul	0.05
43) Dimethylphthalate-d6	13.65	166	31861	0.67	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	38570	0.66	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	8017m	1.07	ng/ul	0.00
57) Fluorene-d10	15.22	176	33304	0.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	1915	0.30	ng/ul	0.00
70) Anthracene-d10	17.08	188	46782	0.78	ng/ul	0.00
78) Pyrene-d10	19.39	212	48969	0.67	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	49504	0.70	ng/ul	-0.03

Target Compounds

					Ovalue
34) 2-Methylnaphthalene	12.02	142	618270	16.679	ng/ul 97
40) 1,1'-Biphenyl	13.05	154	352354	7.267	ng/ul 98
47) Acenaphthylene	13.95	152	1822793	31.968	ng/ul 98
49) Acenaphthene	14.29	153	194966	5.009	ng/ul 96
53) Dibenzofuran	14.63	168	212445	3.791	ng/ul 99
58) Fluorene	15.28	166	1118169	25.568	ng/ul 97
69) Phenanthrene	17.03	178	5534878	79.750	ng/ul 100
71) Anthracene	17.11	178	531594	7.519	ng/ul 99
76) Fluoranthene	19.06	202	1061464	13.789	ng/ul 98
79) Pyrene	19.42	202	1680379	18.341	ng/ul 96
82) Benzo(a)anthracene	21.20	228	563697m	6.368	ng/ul
84) Chrysene	21.25	228	532437	6.481	ng/ul 100
87) Benzo(b)fluoranthene	22.77	252	276516	3.060	ng/ul 98
88) Benzo(k)fluoranthene	22.80	252	108711m	1.260	ng/ul
90) Benzo(a)pyrene	23.32	252	199204	2.345	ng/ul 98
91) Indeno(1,2,3-cd)pyrene	25.59	276	117742	1.254	ng/ul# 94
93) Benzo(g,h,i)perylene	26.26	276	100314	1.292	ng/ul 97

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

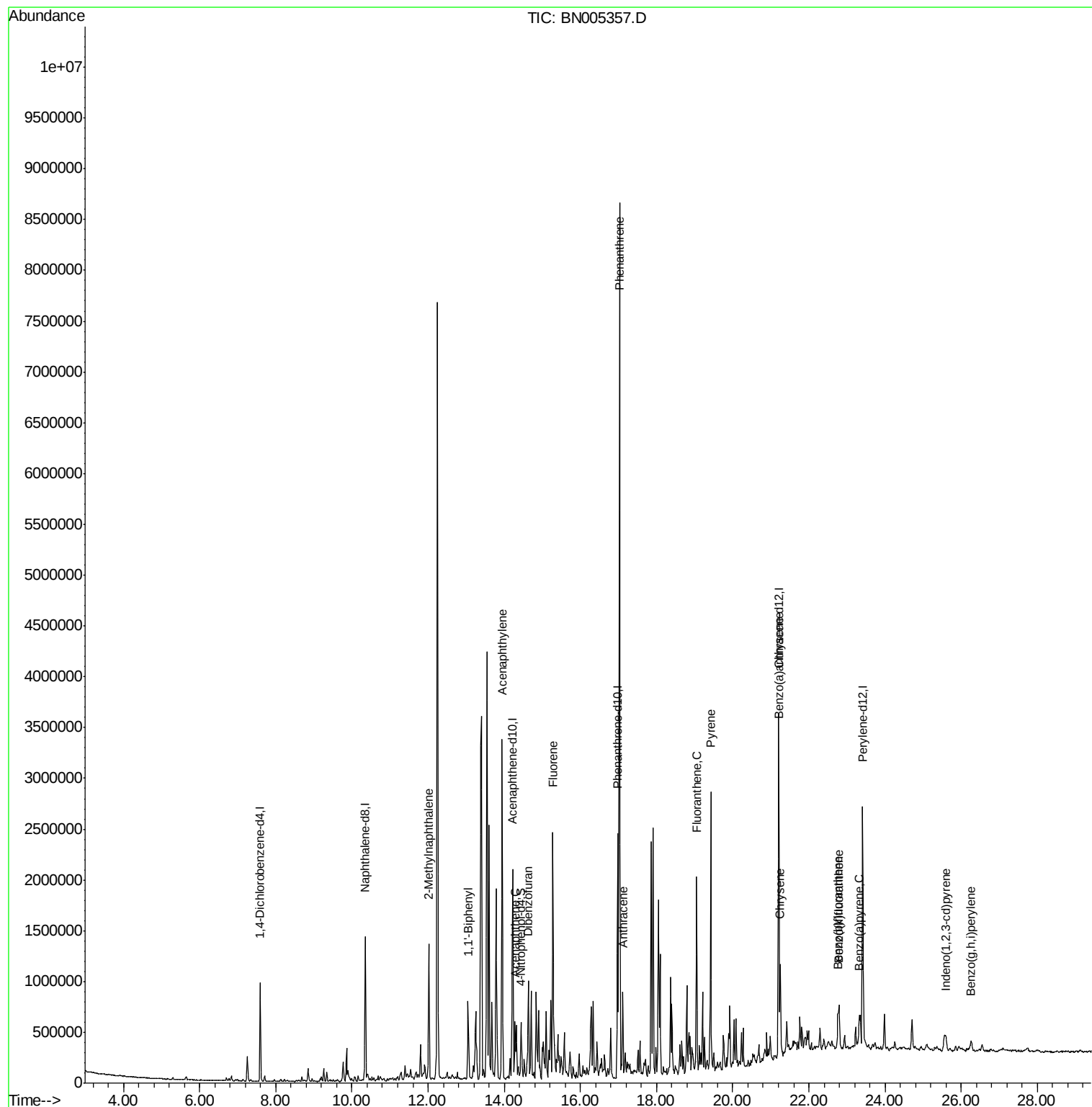
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN042919\
Data File : BN005357.D
Acq On : 29 Apr 2019 18:35
Operator : JU/SJ
Sample : K2481-15DL 30X
Misc :
ALS Vial : 15 Sample Multiplier: 1

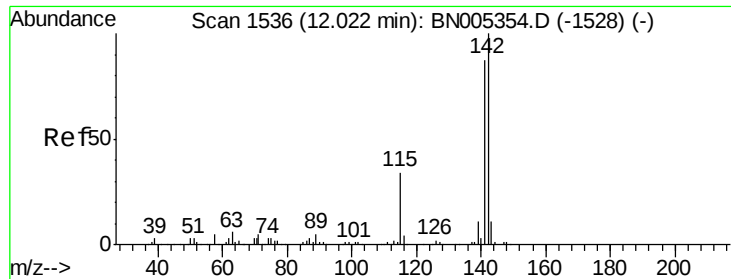
Instrument :
BNA_N
ClientSampleId :
GAHW8DL

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Quant Time: Apr 30 01:52:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration





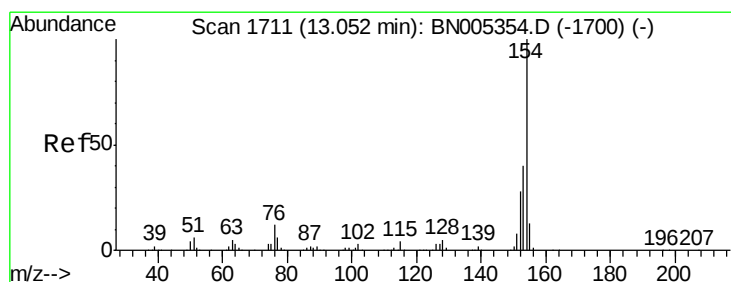
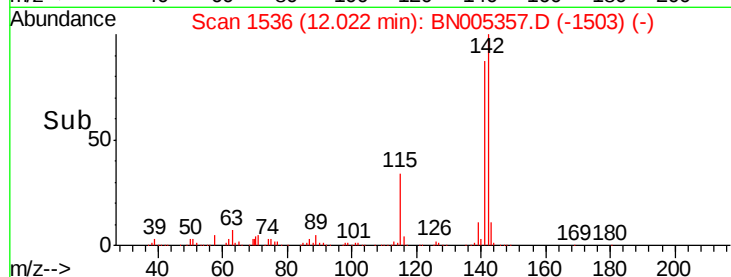
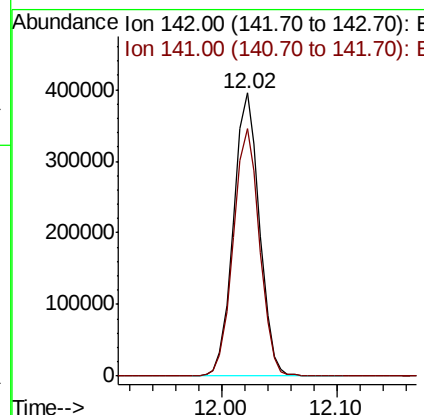
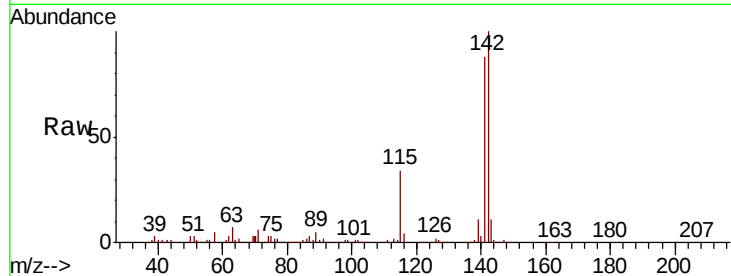
#34
2-Methylnaphthalene
Concen: 16.679 ng/ul
RT: 12.02 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Instrument :
BNA_N
ClientSampleId :
GAHW8DL

Tot Ion:142 Resp: 618270
Ion Ratio Lower Upper
142 100
141 87.6 72.0 108.0

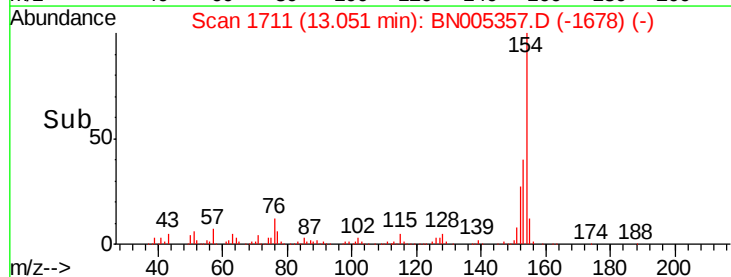
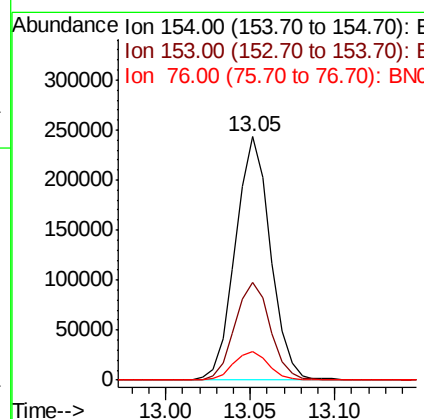
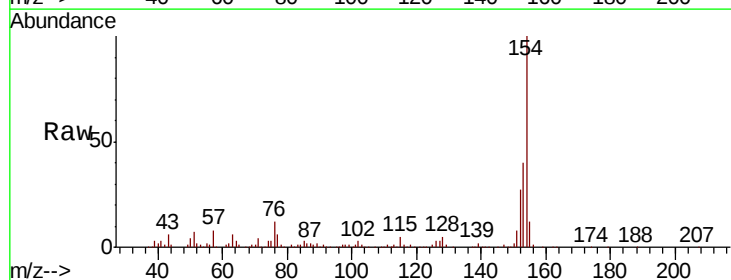
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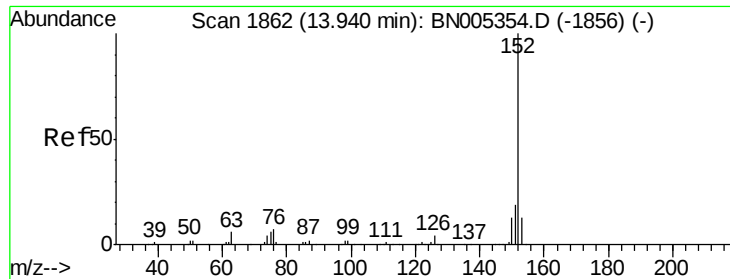
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#40
1,1'-Biphenyl
Concen: 7.267 ng/ul
RT: 13.05 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion:154 Resp: 352354
Ion Ratio Lower Upper
154 100
153 39.9 32.6 49.0
76 11.5 10.4 15.6





#47

Acenaphthylene

Concen: 31.968 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

GAHW8DL

Tot Ion:152 Resp: 1822793

Ion Ratio Lower Upper

152 100

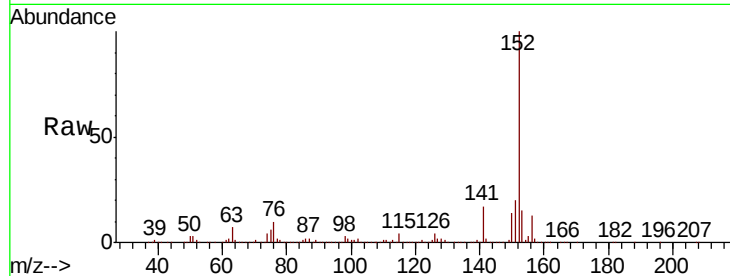
151 19.7 15.8 23.8

153 14.5 9.8 14.8

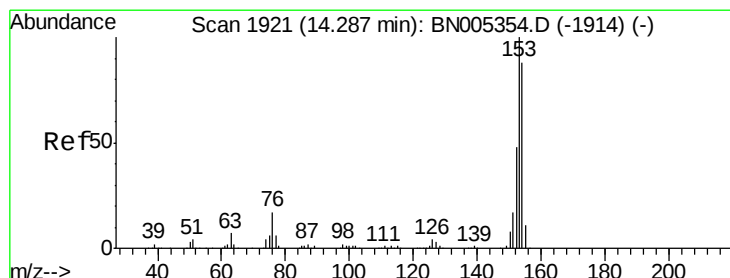
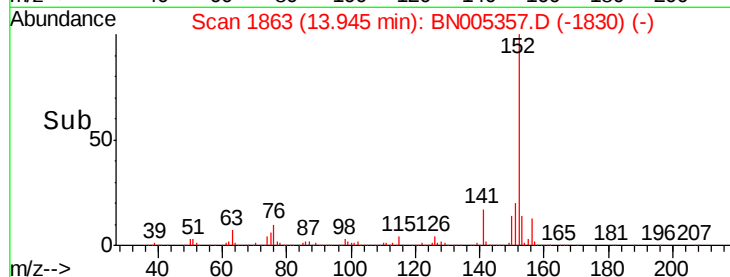
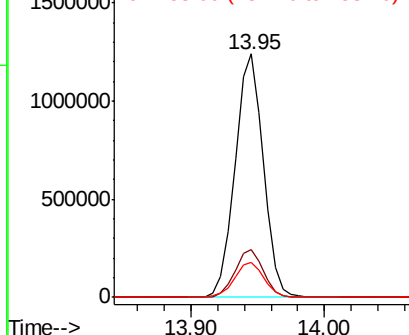
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Acenaphthene

Concen: 5.009 ng/ul

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

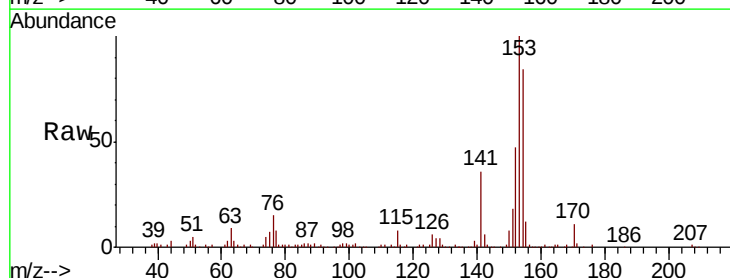
Tgt Ion:153 Resp: 194966

Ion Ratio Lower Upper

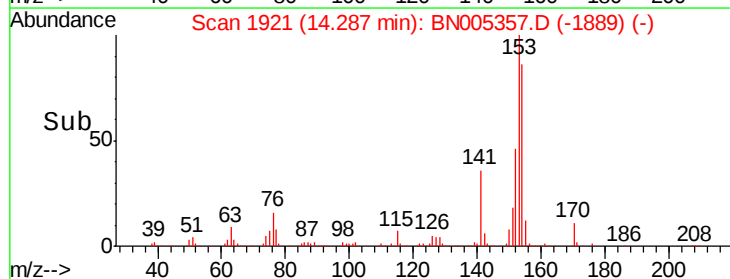
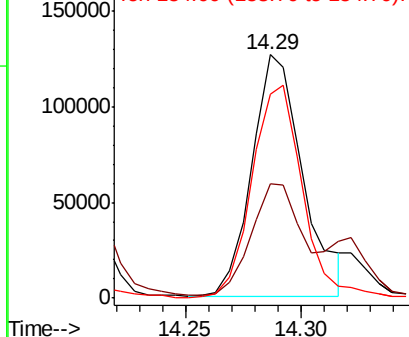
153 100

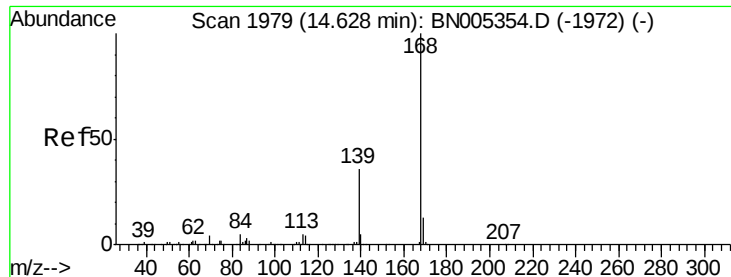
152 47.0 37.4 56.0

154 83.8 71.2 106.8



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





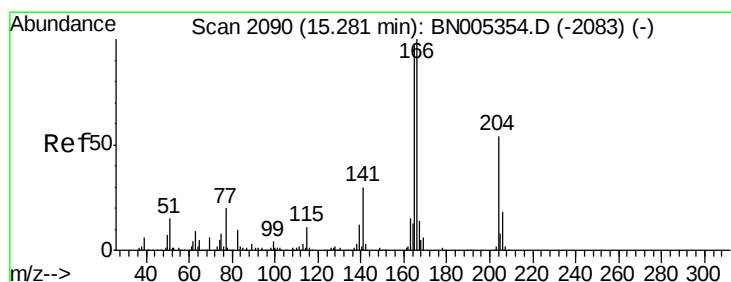
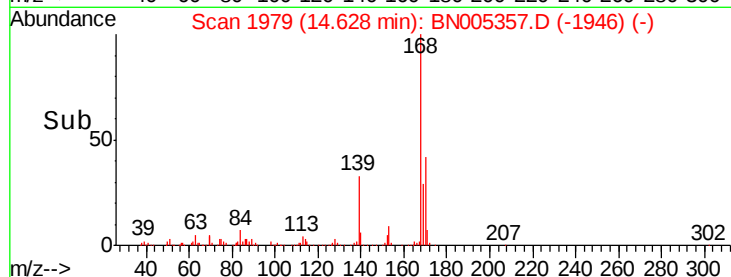
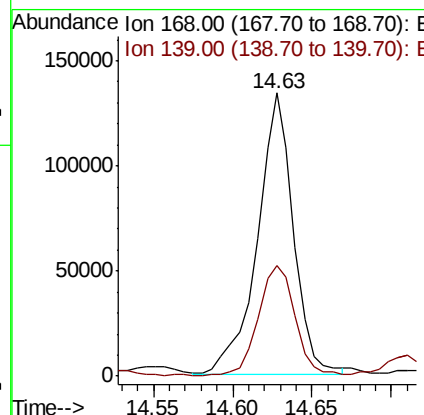
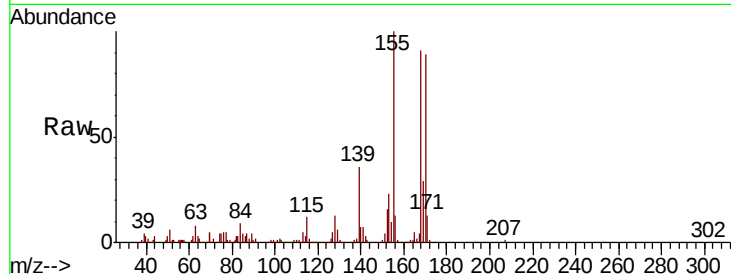
#53
Dibenzenofuran
Concen: 3.791 ng/ul
RT: 14.63 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Instrument :
BNA_N
ClientSampleId :
GAHW8DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.9	46.3

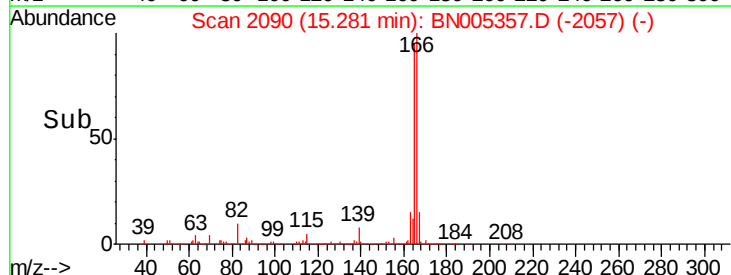
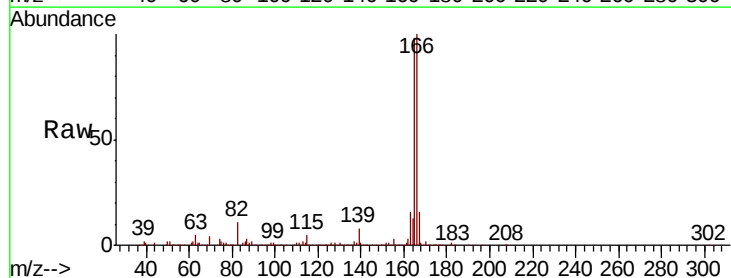
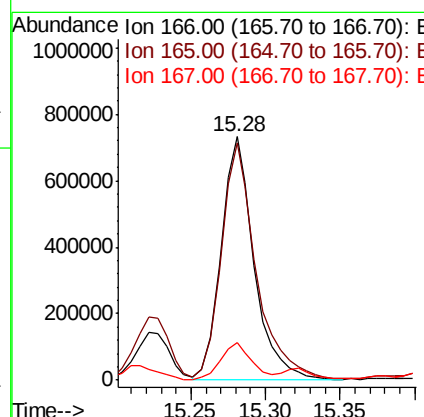
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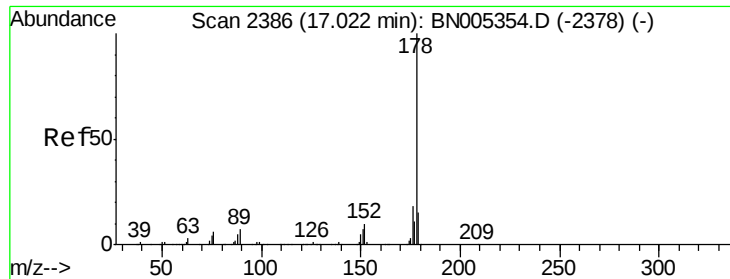
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#58
Fluorene
Concen: 25.568 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.01 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	80.0	120.0
167	15.6	10.7	16.1





#69

Phenanthrene

Concen: 79.750 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.00 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleID :

GAHW8DL

Tot Ion:178 Resp: 5534878

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

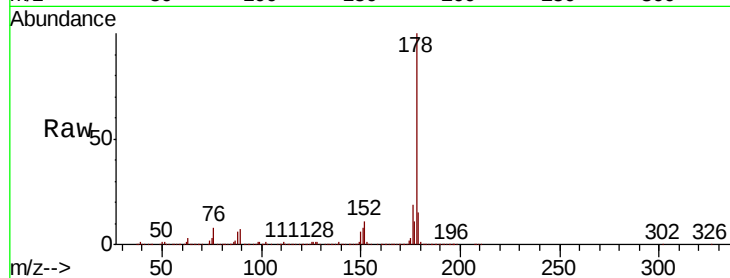
176 18.8 15.1 22.7

Manual Integrations

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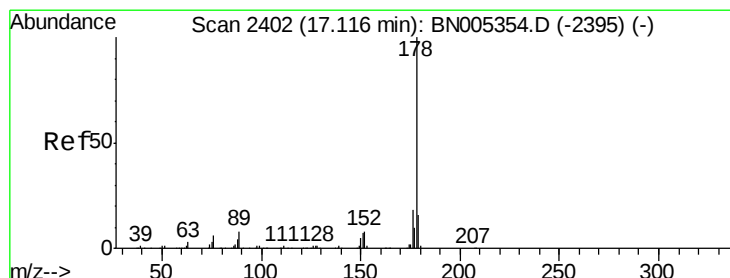
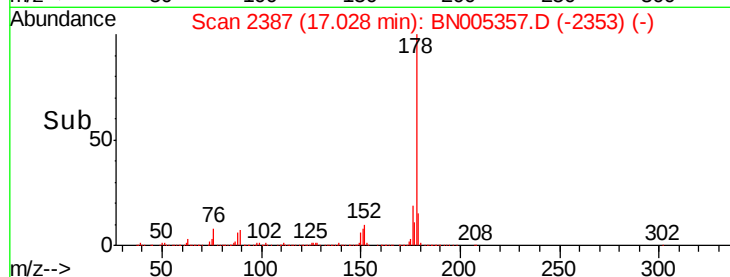
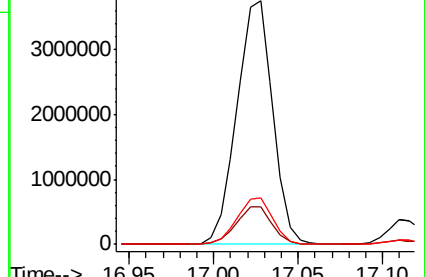
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 7.519 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

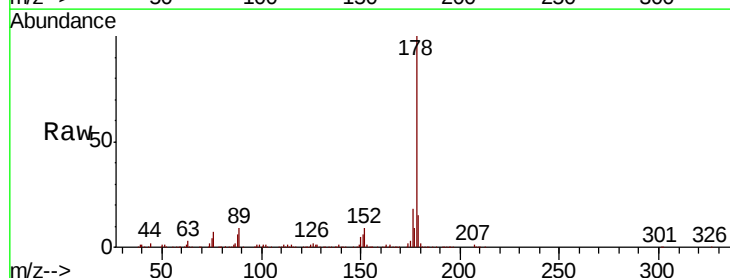
Tgt Ion:178 Resp: 531594

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

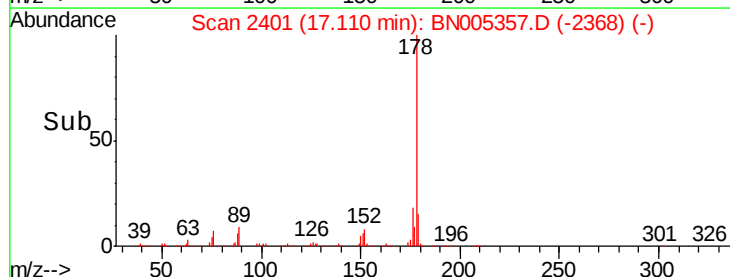
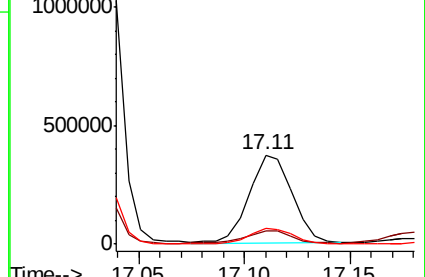
176 18.3 15.1 22.7

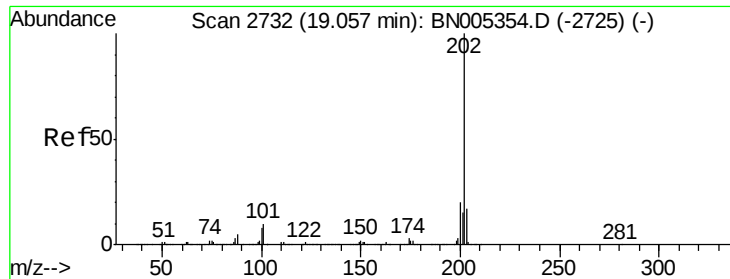


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 13.789 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

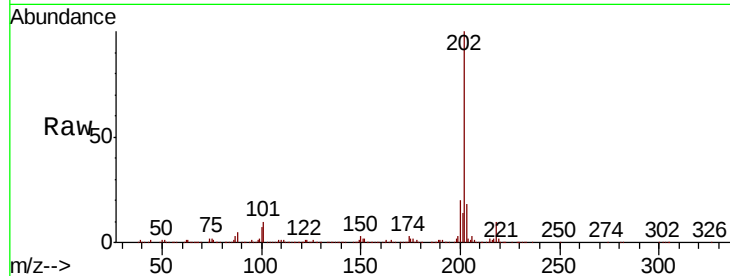
ClientSampled :

GAHW8DL

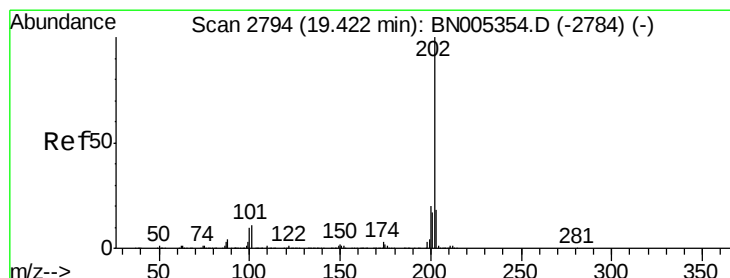
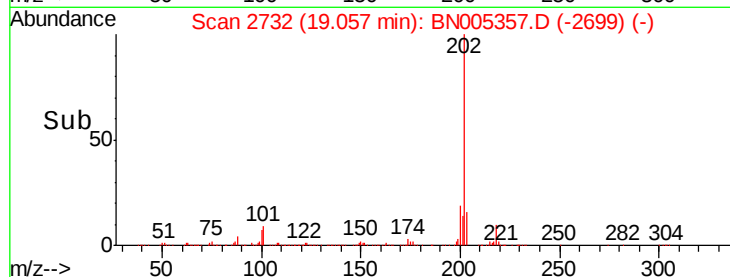
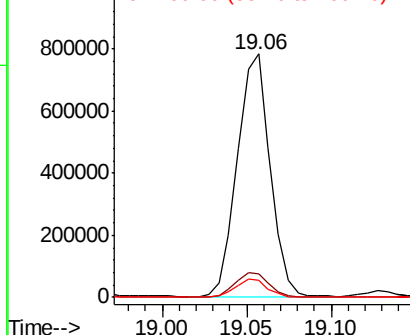
Tot Ion:	202	Resp:	1061464
Ion Ratio	Lower	Upper	
202	100		
101	9.6	8.6	12.8
100	7.3	6.3	9.5

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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

Pyrene

Concen: 18.341 ng/ul

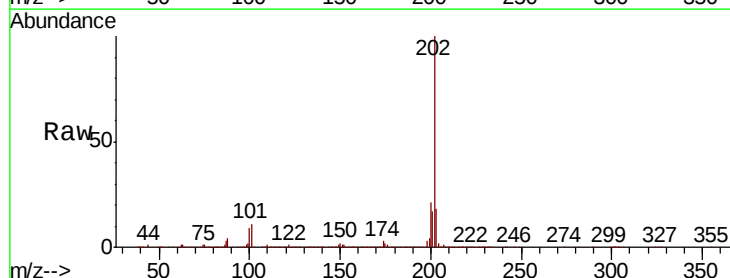
RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

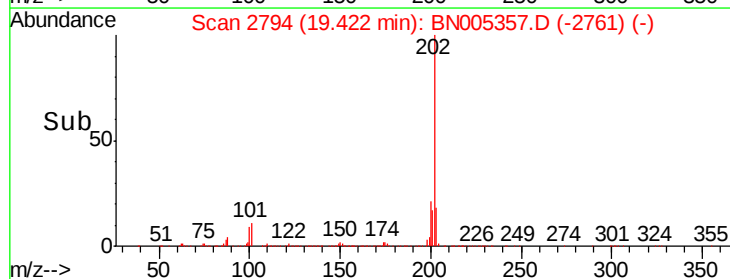
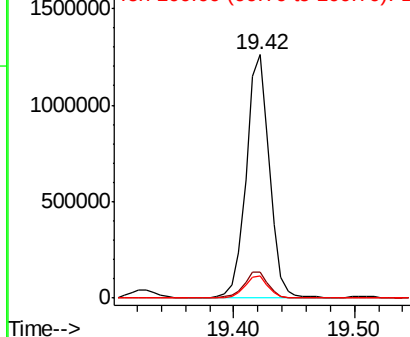
Lab File: BN005357.D

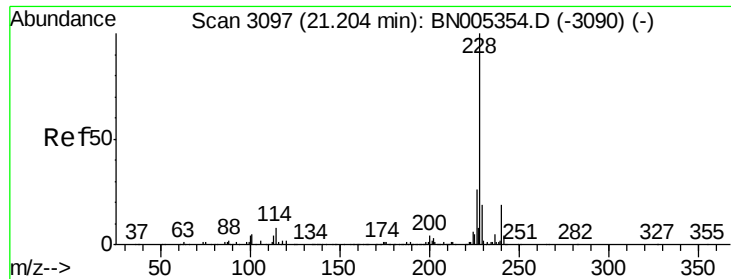
Acq: 29 Apr 2019 18:35

Tgt Ion:	202	Resp:	1680379
Ion Ratio	Lower	Upper	
202	100		
101	10.8	10.3	15.5
100	9.2	7.9	11.9



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





#82

Benzo(a)anthracene

Concen: 6.368 ng/ul m

RT: 21.20 min Scan# 3096

Delta R.T. -0.01 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

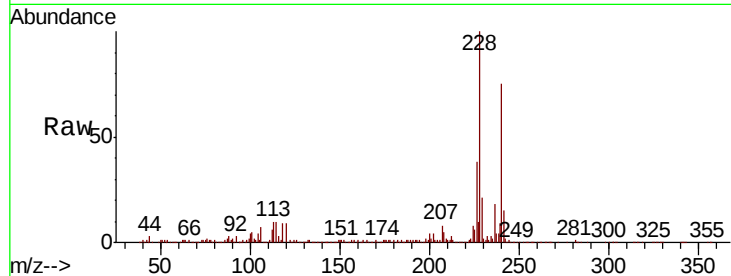
ClientSampleId :

GAHW8DL

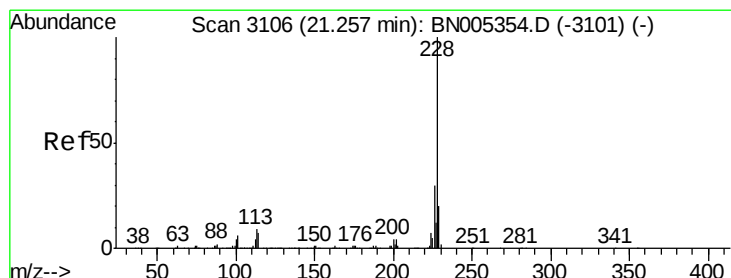
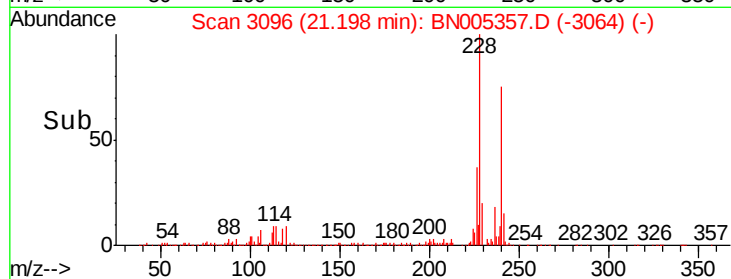
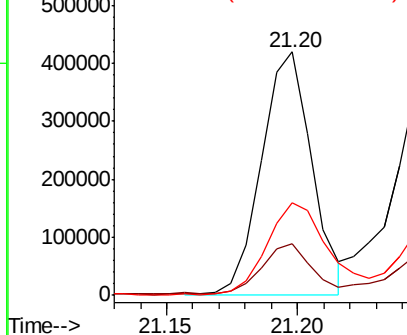
Tot Ion:	228	Resp:	563697
Ion Ratio	Lower	Upper	
228	100		
229	21.0	15.8	23.6
226	37.8	21.4	32.2#

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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: 6.481 ng/ul

RT: 21.25 min Scan# 3104

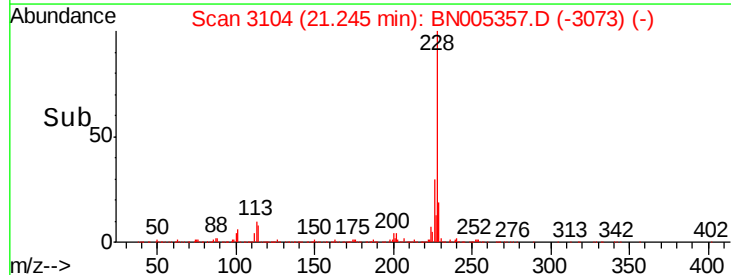
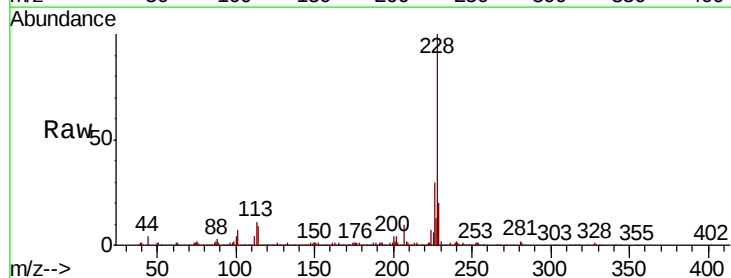
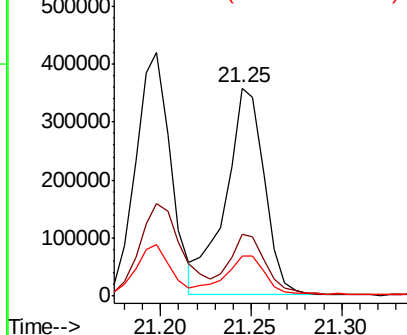
Delta R.T. -0.02 min

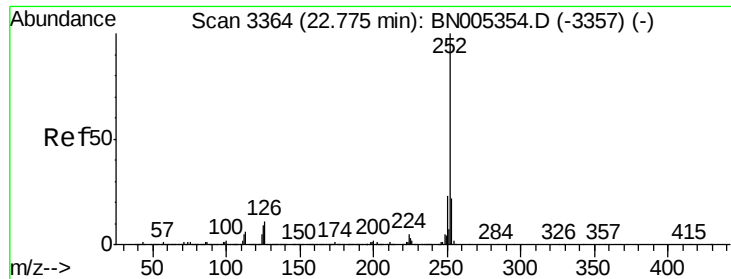
Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Tgt Ion:	228	Resp:	532437
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.0	36.0
229	19.5	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





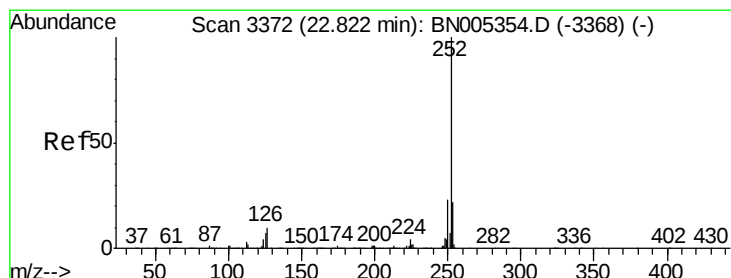
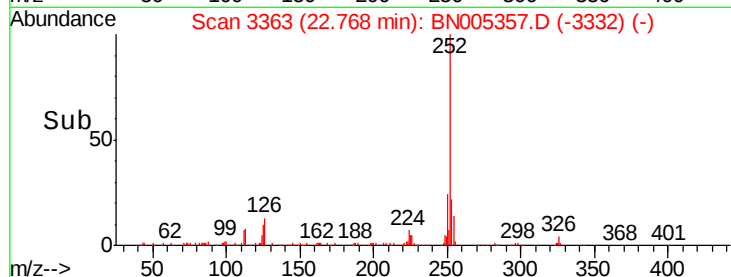
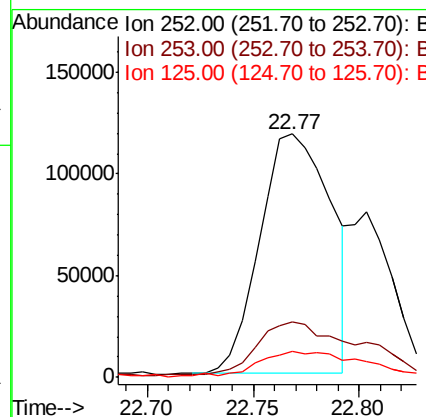
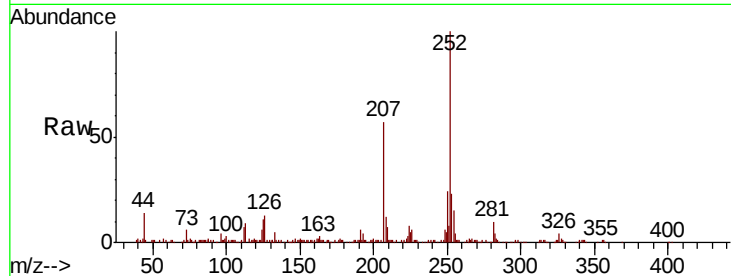
#87
Benzo(b)fluoranthene
Concen: 3.060 ng/uL
RT: 22.77 min Scan# 3363
Delta R.T. -0.02 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Instrument :
BNA_N
ClientSampleId :
GAHW8DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	10.9	8.4	12.6

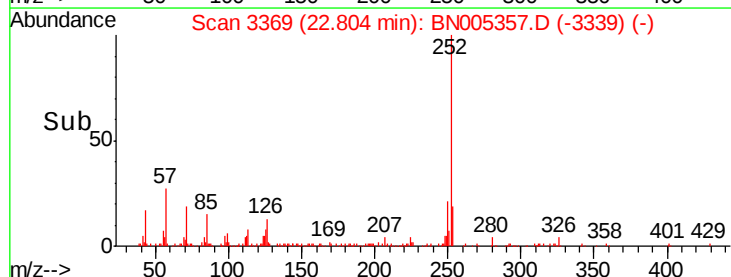
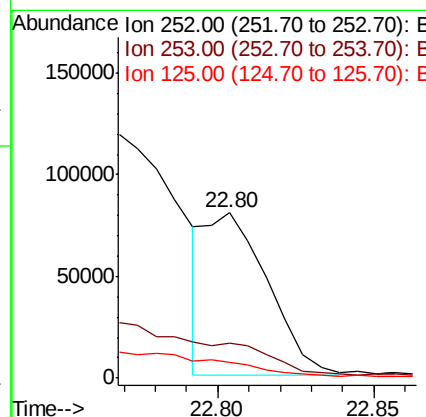
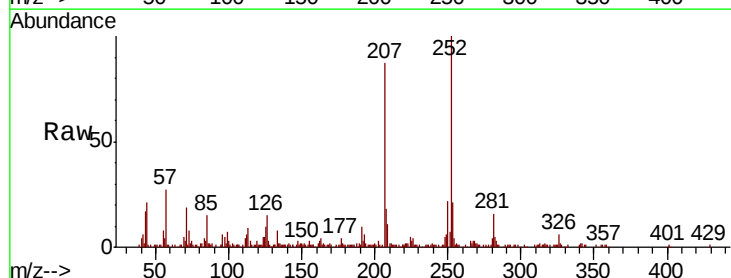
Manual Integrations
APPROVED

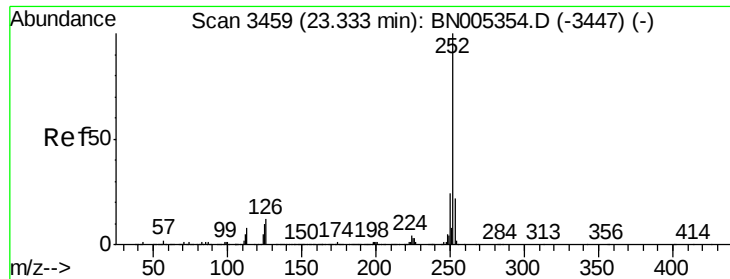
Sohil
4/30/2019 6:27:08 PM



#88
Benzo(k)fluoranthene
Concen: 1.260 ng/uL m
RT: 22.80 min Scan# 3369
Delta R.T. -0.02 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.0
125	9.6	7.5	11.3





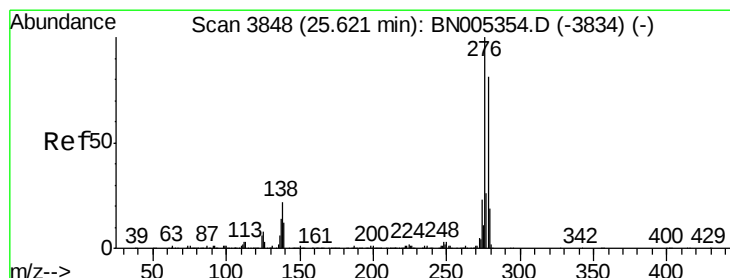
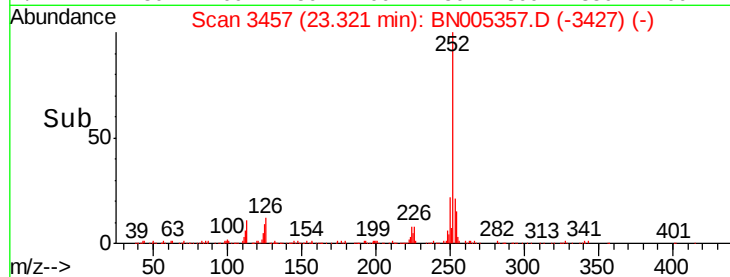
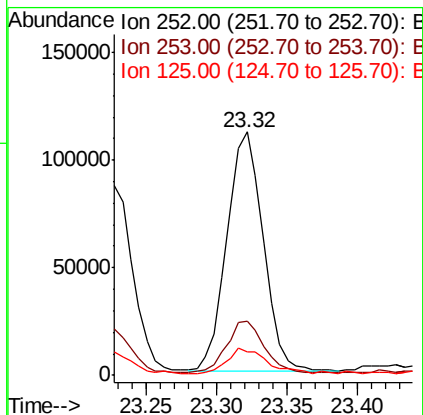
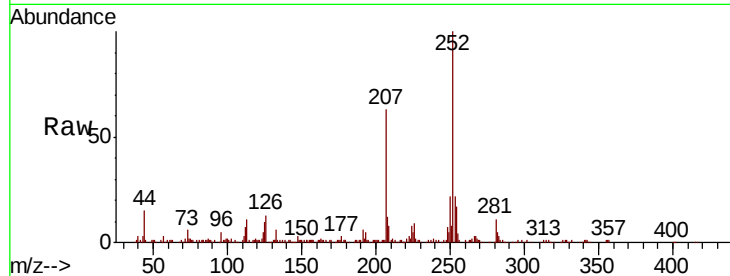
#90
Benzo(a)pyrene
Concen: 2.345 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. -0.02 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Instrument :
BNA_N
ClientSampleID :
GAHW8DL

Tot Ion:	252	Resp:	199204
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.3	25.9
125	9.6	8.6	13.0

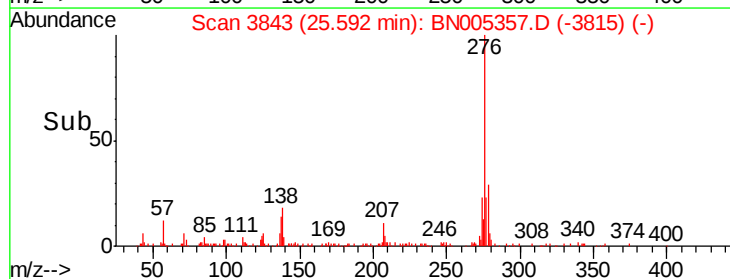
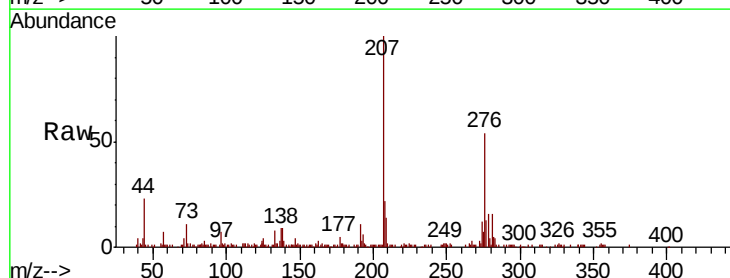
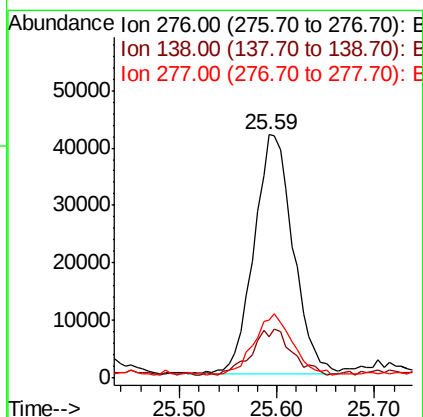
Manual Integrations
APPROVED

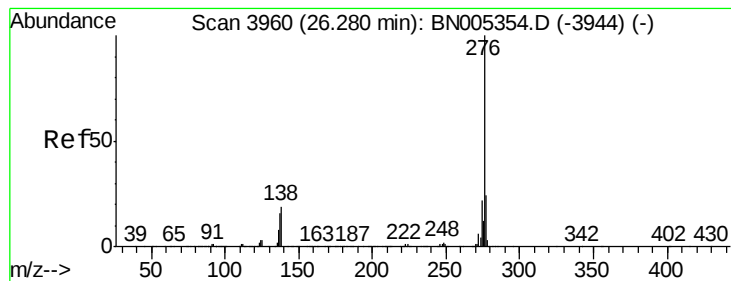
Sohil
4/30/2019 6:27:08 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 1.254 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. -0.04 min
Lab File: BN005357.D
Acq: 29 Apr 2019 18:35

Tgt Ion:	276	Resp:	117742
Ion Ratio	Lower	Upper	
276	100		
138	16.9	17.9	26.9#
277	24.0	19.7	29.5





#93

Benzo(a,h,i)perylene

Concen: 1.292 ng/ul

RT: 26.26 min Scan# 3957

Delta R.T. -0.03 min

Lab File: BN005357.D

Acq: 29 Apr 2019 18:35

Instrument :

BNA_N

ClientSampleId :

GAHW8DL

Tot Ion:	276	Resp:	100314
Ion Ratio	Lower	Upper	
276	100		
138	20.0	16.7	25.1
277	24.4	18.2	27.2

Manual Integrations
APPROVED

Sohil
4/30/2019 6:27:08 PM

