Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
Data File : BN009549.D
Acq On : 04 Feb 2020 03:34
Operator : CG/JU
Sample : L1271-10DL 10X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : GAT01DL

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Quant Time: Feb 04 04:11:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Feb 04 02:55:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	163356	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	701458	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.08	164	439974	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.83	188	924662	20.00	ng/ul	0.00
77) Chrysene-d12	21.04	240	829548	20.00	ng/ul	0.00
85) Perylene-d12	23.15	264	899348	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.09	96	899	0.23	ng/uL	0.02
5) Phenol-d5	6.65	99	17461	1.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	15044	1.57	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	15056	1.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	11523	1.02	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	8373	1.60	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	7030	1.21	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.84	165	13379	1.23	ng/ul	0.01
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.50	166	60931	1.90	ng/ul	0.00
46) Acenaphthylene-d8	13.76	160	61979	1.60	ng/ul	0.00
51) 4-Nitrophenol-d4	14.33	143	5016m	0.83	ng/ul	0.02
57) Fluorene-d10	15.08	176	52545	1.86	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.23	200	3732	0.65	ng/ul	0.01
70) Anthracene-d10	16.93	188	78424m	1.87	ng/ul	0.00
78) Pyrene-d10	19.23	212	84932	1.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.02	264	76592	1.73	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.25	128	3959897	104.100	ng/ul	100
34) 2-Methylnaphthalene	11.87	142	4149318	155.869	ng/ul	100
40) 1,1'-Biphenyl	12.90	154	381291	11.131	ng/ul	99
47) Acenaphthylene	13.79	152	1196688	28.178	ng/ul	98
49) Acenaphthene	14.14	153	165153	5.720	ng/ul	98
53) Dibenzofuran	14.48	168	179812	4.472	ng/ul	88
58) Fluorene	15.14	166	941426	28.019	ng/ul	97
69) Phenanthrene	16.88	178	4495663	85.254	ng/ul	100
71) Anthracene	16.96	178	668570	12.495	ng/ul	99
76) Fluoranthene	18.90	202	1007515	16.740	ng/ul	100
79) Pyrene	19.27	202	1594661	26.333	ng/ul	99
82) Benzo(a)anthracene	21.03	228	531173	9.274	ng/ul	94
84) Chrysene	21.08	228	470090	8.244	ng/ul	99
87) Benzo(b)fluoranthene	22.54	252	262328m	4.662	ng/ul	
88) Benzo(k)fluoranthene	22.57	252	79123m	1.428	ng/ul	
90) Benzo(a)pyrene	23.06	252	262769	5.040	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.22	276	94063	1.518	ng/ul	97
93) Benzo(g,h,i)perylene	25.84	276	73258	1.410	ng/ul#	91

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

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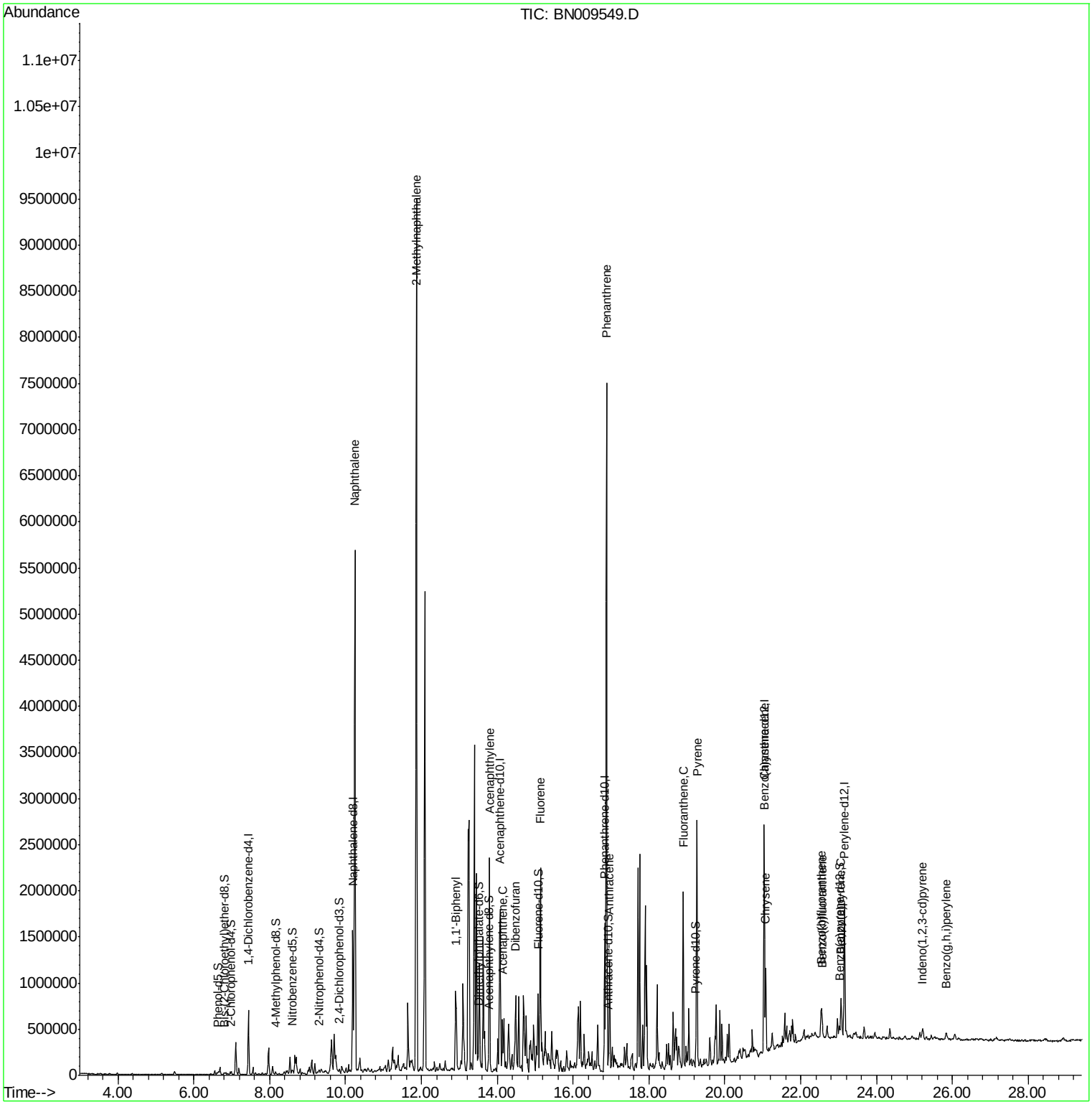
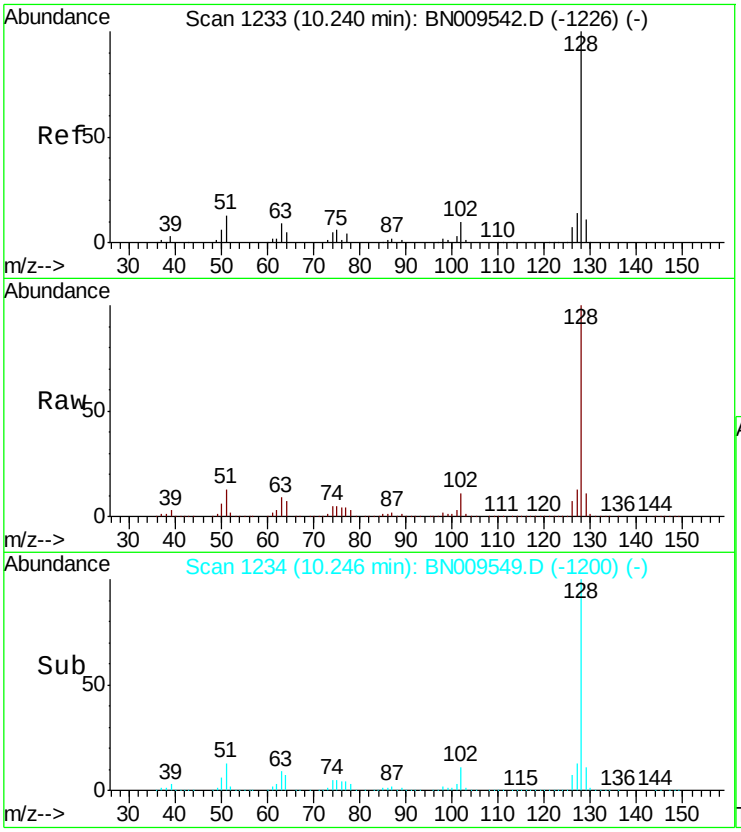
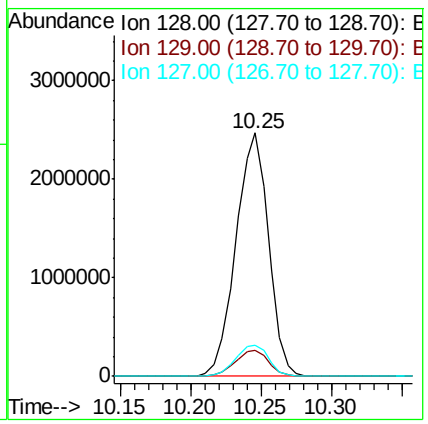




#28
Naphthalene
Concen: 104.100 ng/ul
RT: 10.25 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:128 Resp: 3959897

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.0	10.7	16.1



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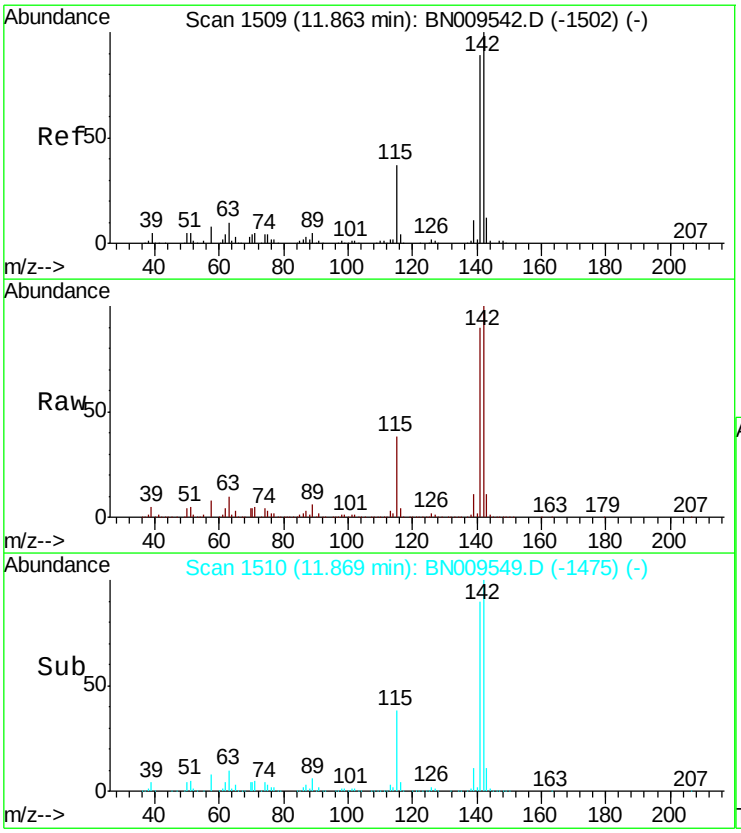
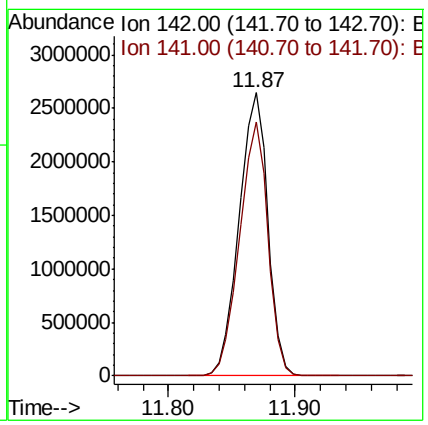
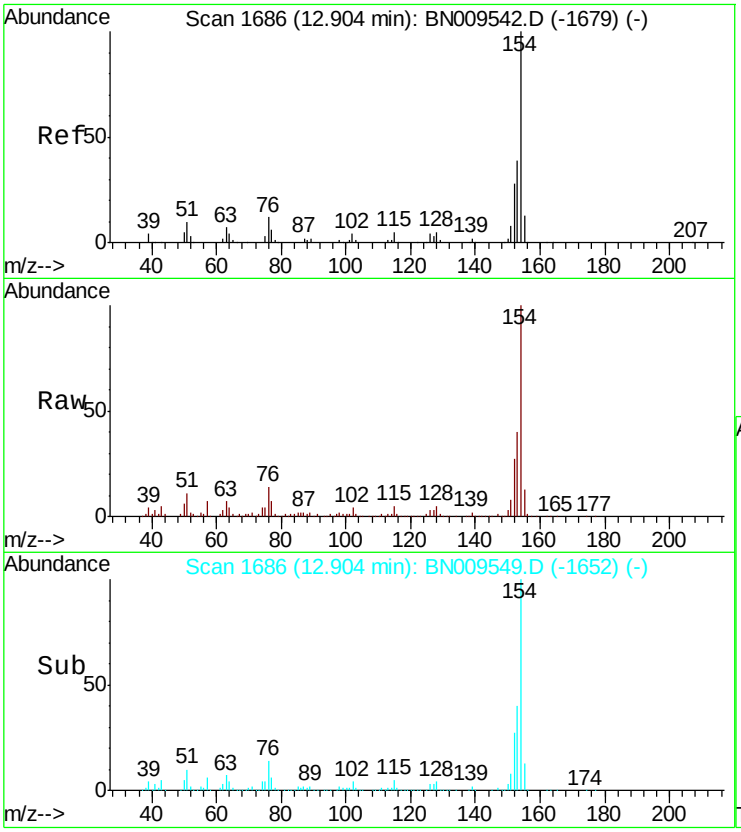


#34
2-Methylnaphthalene
Concen: 155.869 ng/ul
RT: 11.87 min Scan# 1510
Delta R.T. 0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:142 Resp: 4149318

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.5	107.3

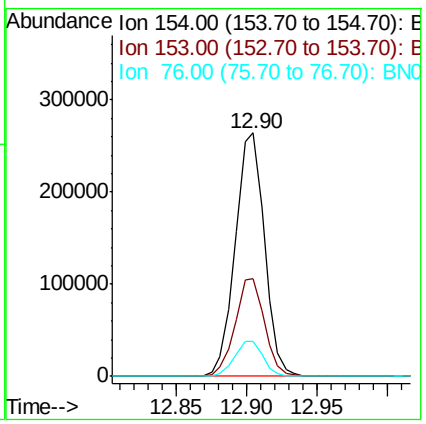




#40
1,1'-Biphenyl
Concen: 11.131 ng/ul
RT: 12.90 min Scan# 1686
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:154 Resp: 381291

Ion	Ratio	Lower	Upper
154	100		
153	40.0	31.2	46.8
76	14.3	11.4	17.2



Instrument :
BNA_N
ClientSampleId :
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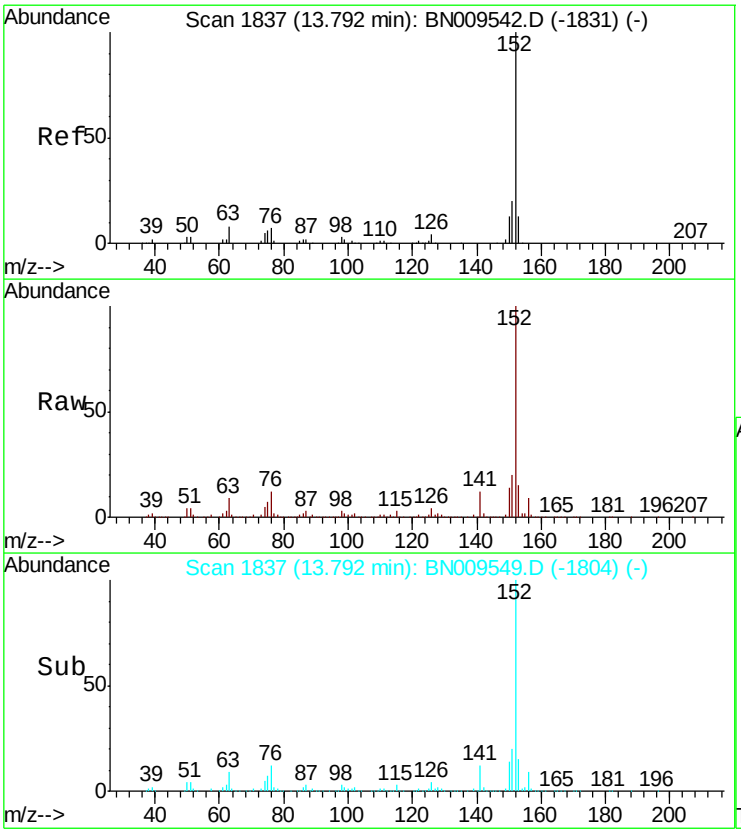
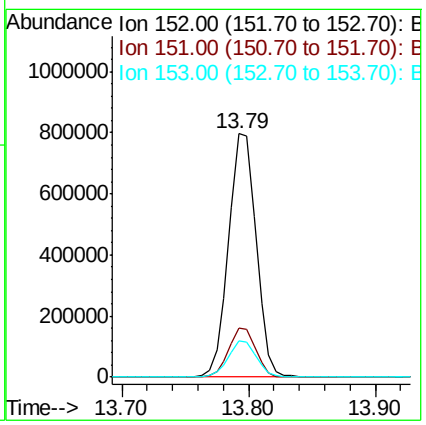
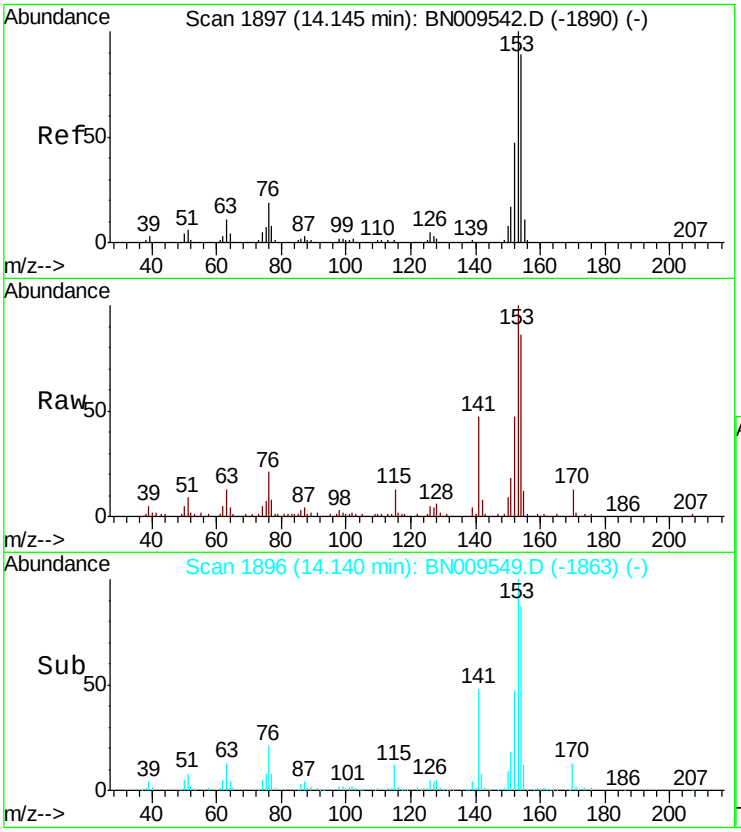


#47
Acenaphthylene
Concen: 28.178 ng/ul
RT: 13.79 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:152 Resp: 1196688

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	14.7	10.6	15.8

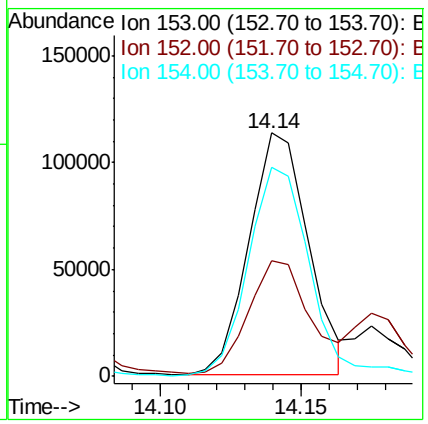




#49
Acenaphthene
Concen: 5.720 ng/ul
RT: 14.14 min Scan# 1896
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:153 Resp: 165153

Ion	Ratio	Lower	Upper
153	100		
152	47.3	37.3	55.9
154	85.7	70.2	105.2



Instrument :
BNA_N
ClientSampleId :
GAT01DL

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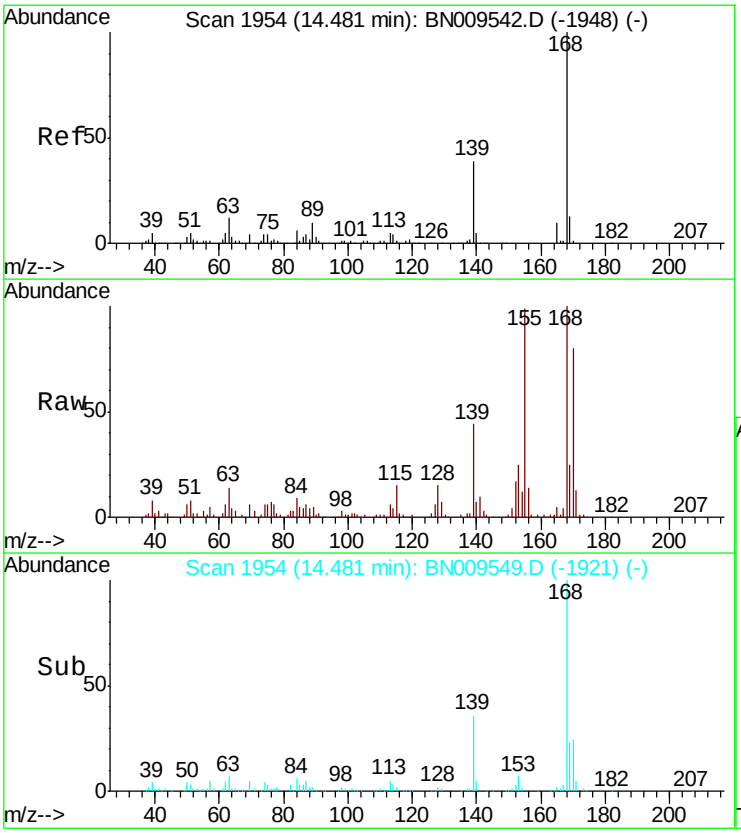
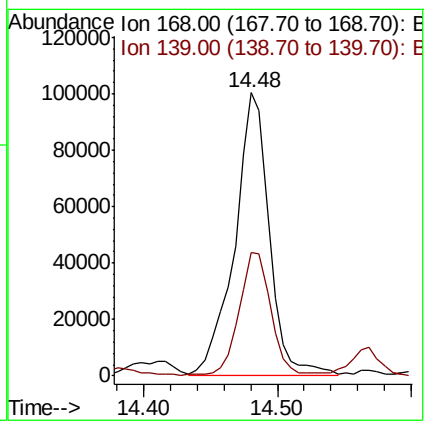
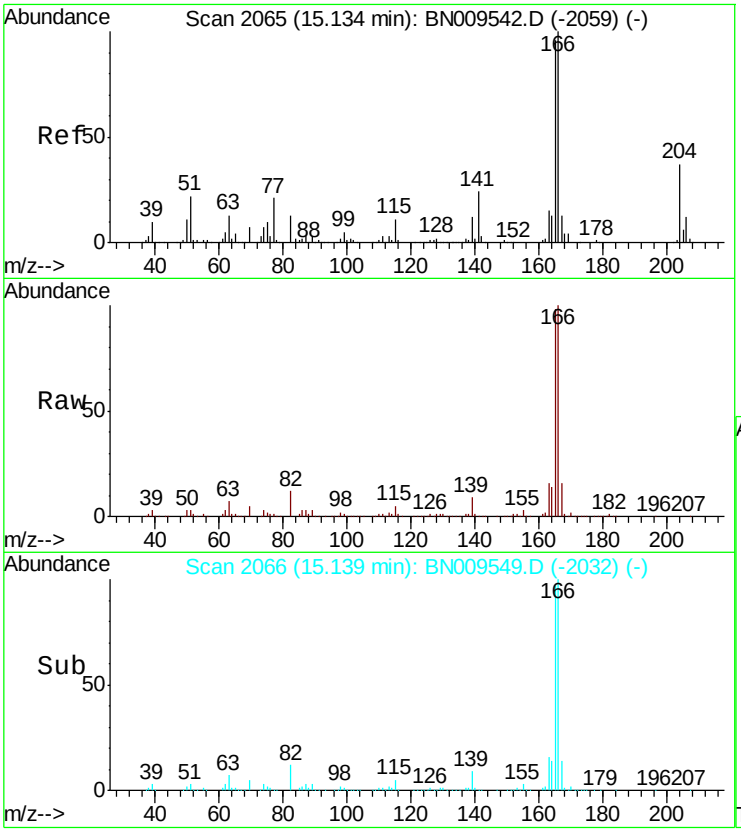


#53
Dibenzofuran
Concen: 4.472 ng/ul
RT: 14.48 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:168 Resp: 179812

Ion	Ratio	Lower	Upper
168	100		
139	43.8	29.5	44.3

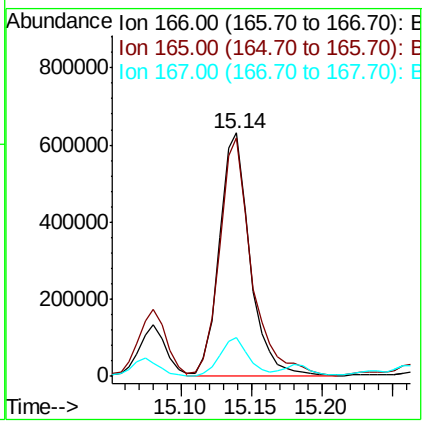




#58
Fluorene
Concen: 28.019 ng/ul
RT: 15.14 min Scan# 2066
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:166 Resp: 941426

Ion	Ratio	Lower	Upper
166	100		
165	98.1	76.7	115.1
167	15.7	11.1	16.7



Instrument :
BNA_N
ClientSampleId :
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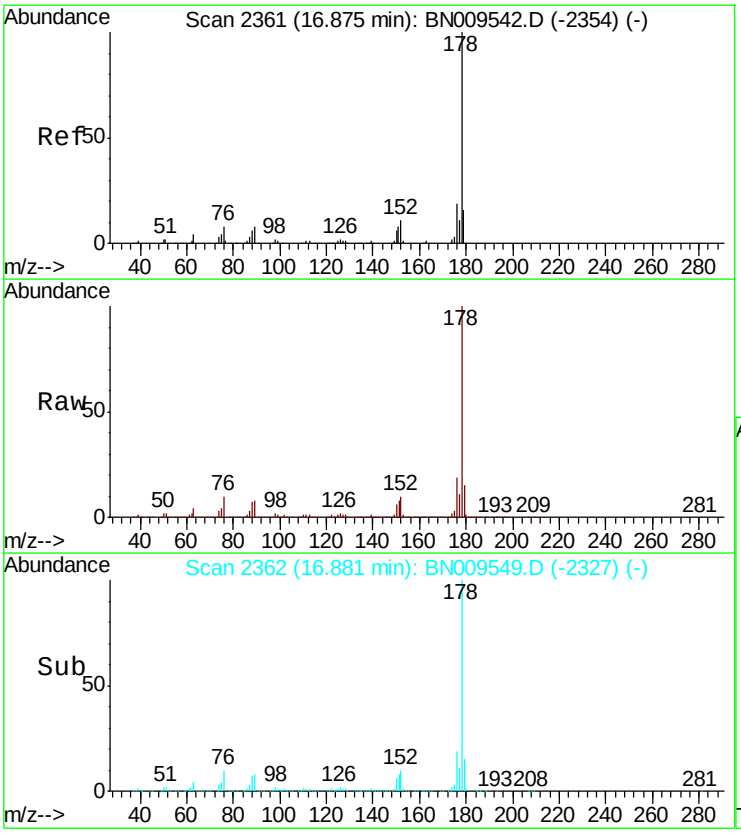
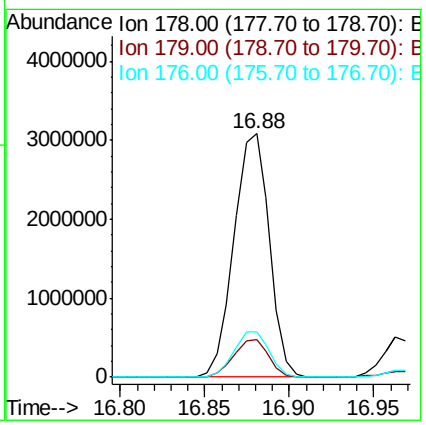
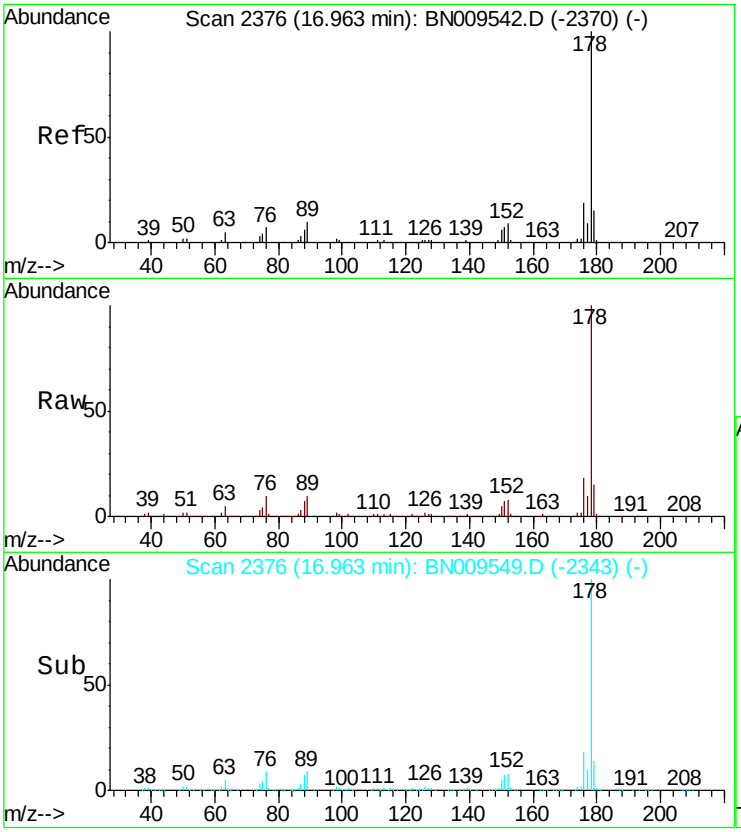


#69
Phenanthrene
Concen: 85.254 ng/ul
RT: 16.88 min Scan# 2362
Delta R.T. 0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:178 Resp: 4495663

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2
176	18.5	14.8	22.2

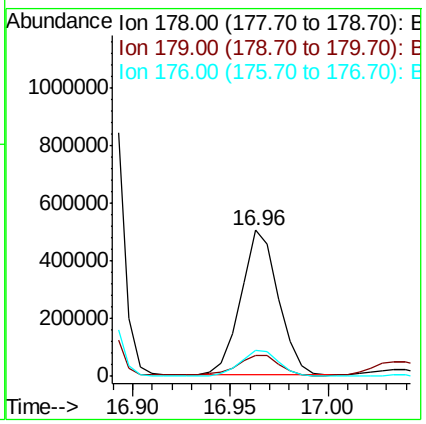




#71
Anthracene
Concen: 12.495 ng/ul
RT: 16.96 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:178 Resp: 668570

Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.1	18.1
176	18.1	14.6	21.8



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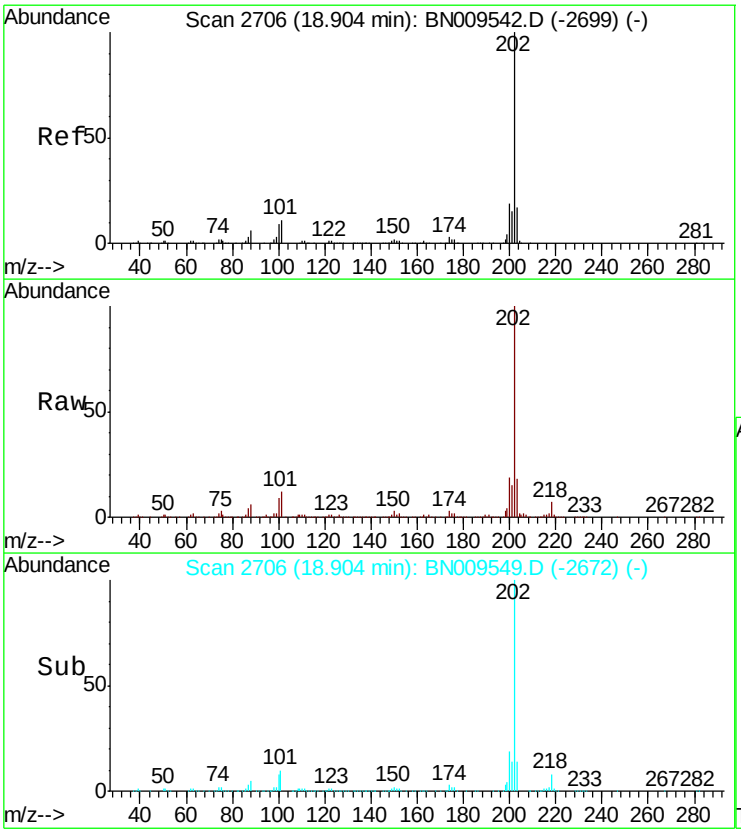
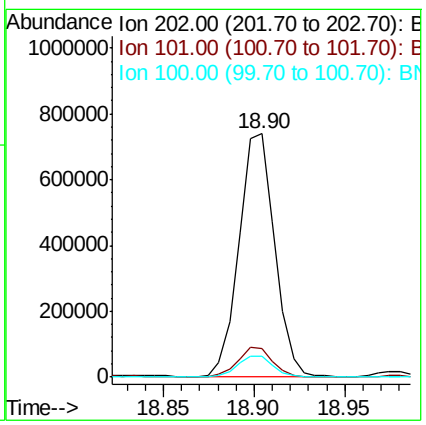
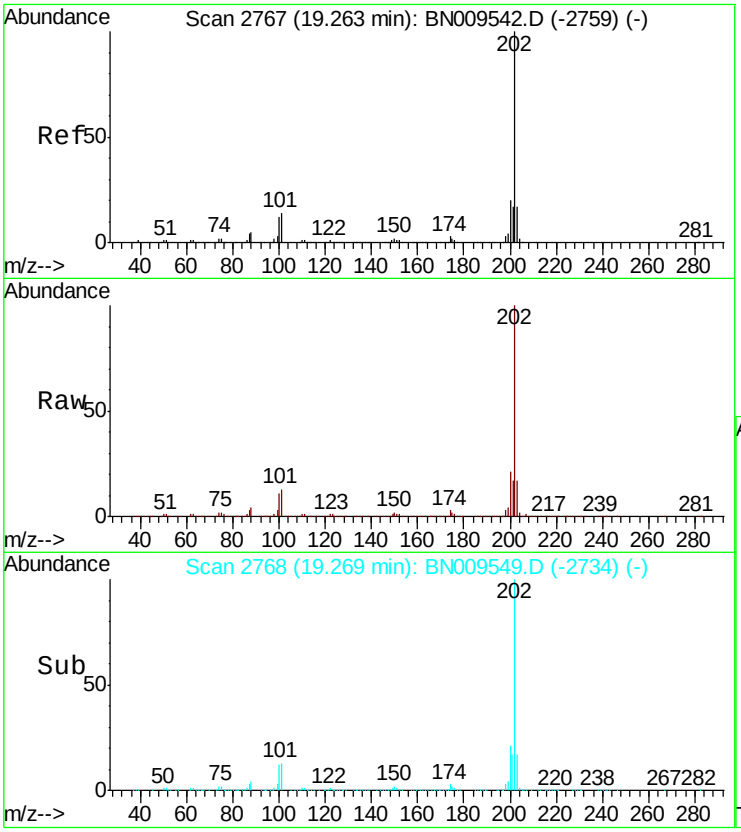


#76
Fluoranthene
Concen: 16.740 ng/ul
RT: 18.90 min Scan# 2706
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:202 Resp: 1007515

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.2	13.8
100	8.7	6.9	10.3

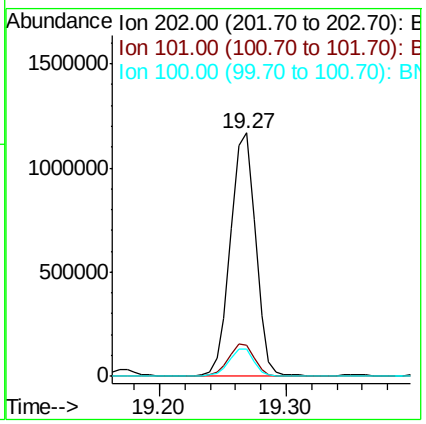




#79
Pyrene
Concen: 26.333 ng/ul
RT: 19.27 min Scan# 2768
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:202 Resp: 1594661

Ion	Ratio	Lower	Upper
202	100		
101	13.0	10.3	15.5
100	11.2	8.4	12.6



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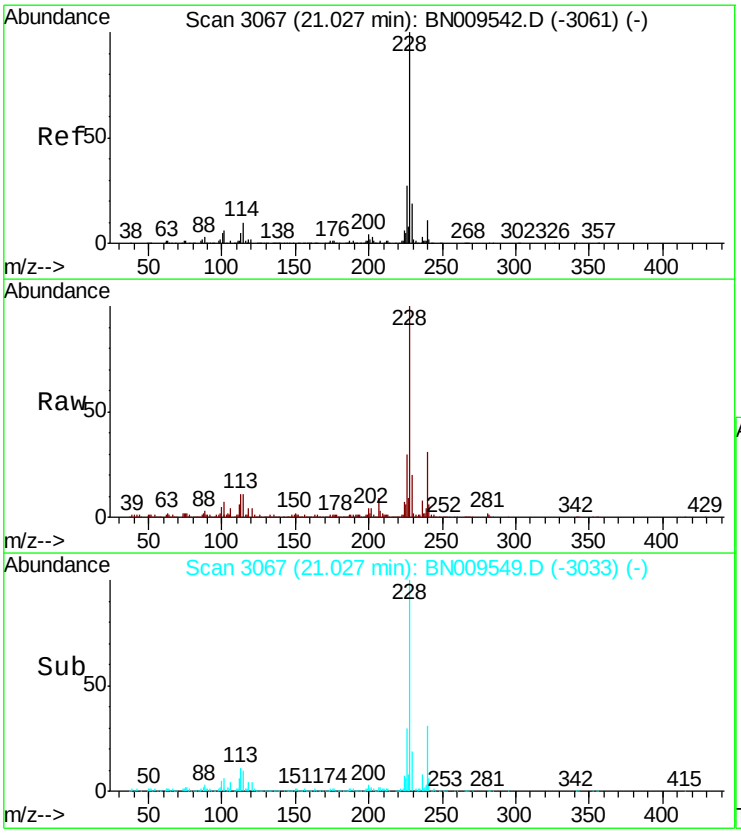
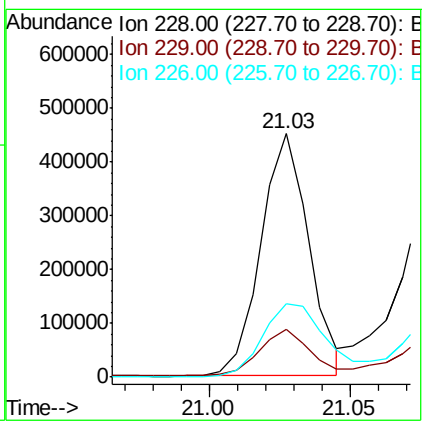
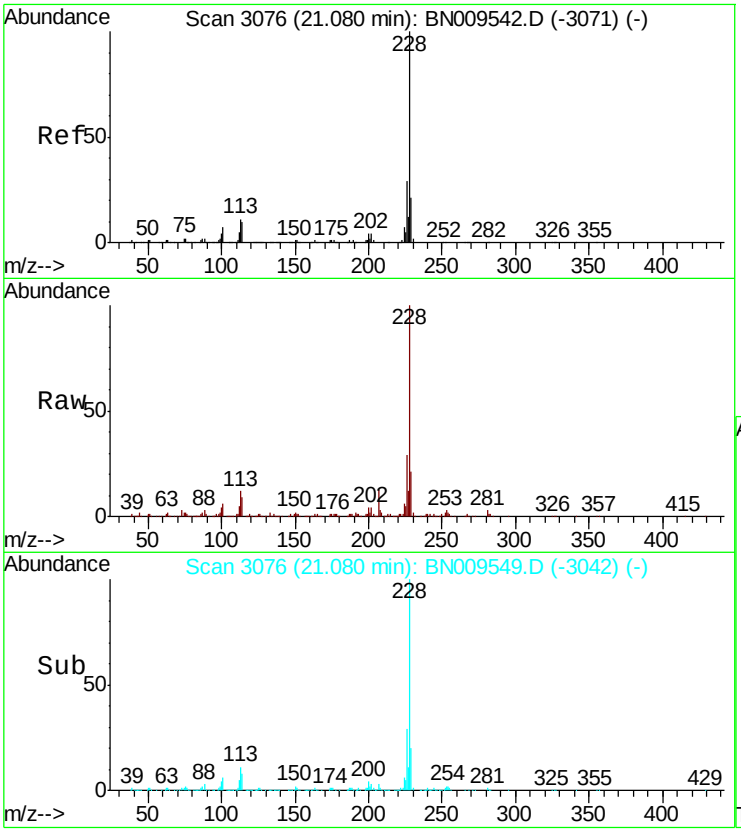


#82
Benzo(a)anthracene
Concen: 9.274 ng/ul
RT: 21.03 min Scan# 3067
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:228 Resp: 531173

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.0	22.4
226	30.2	20.9	31.3

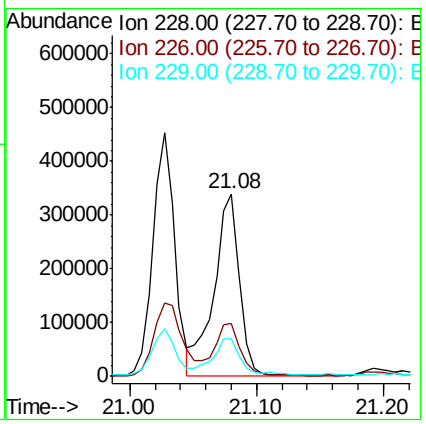




#84
Chrysene
Concen: 8.244 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:228 Resp: 470090

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.5	35.3
229	20.6	15.8	23.8



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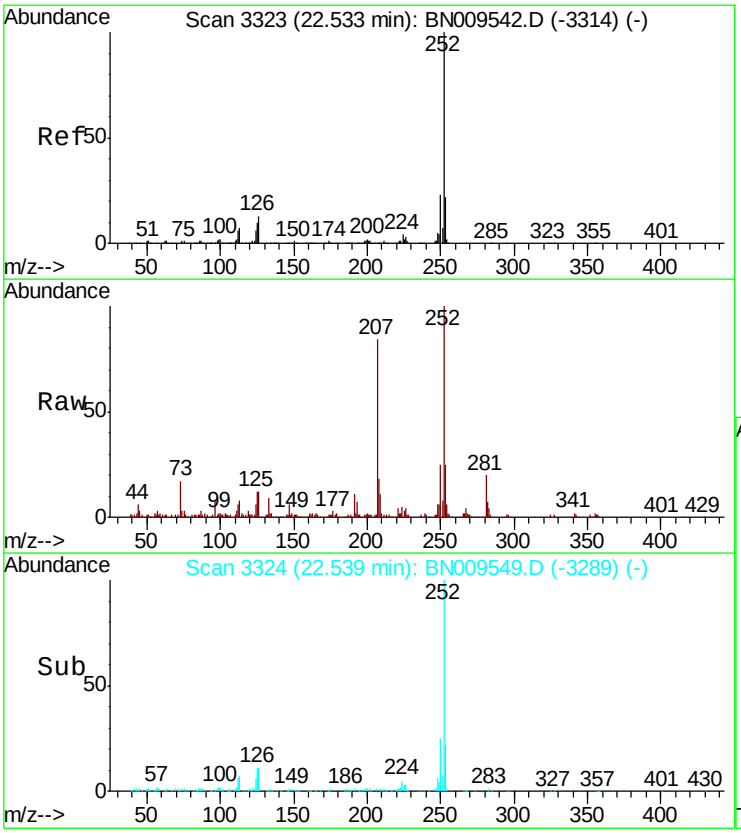
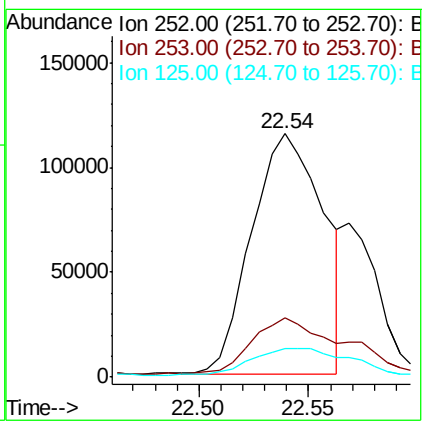
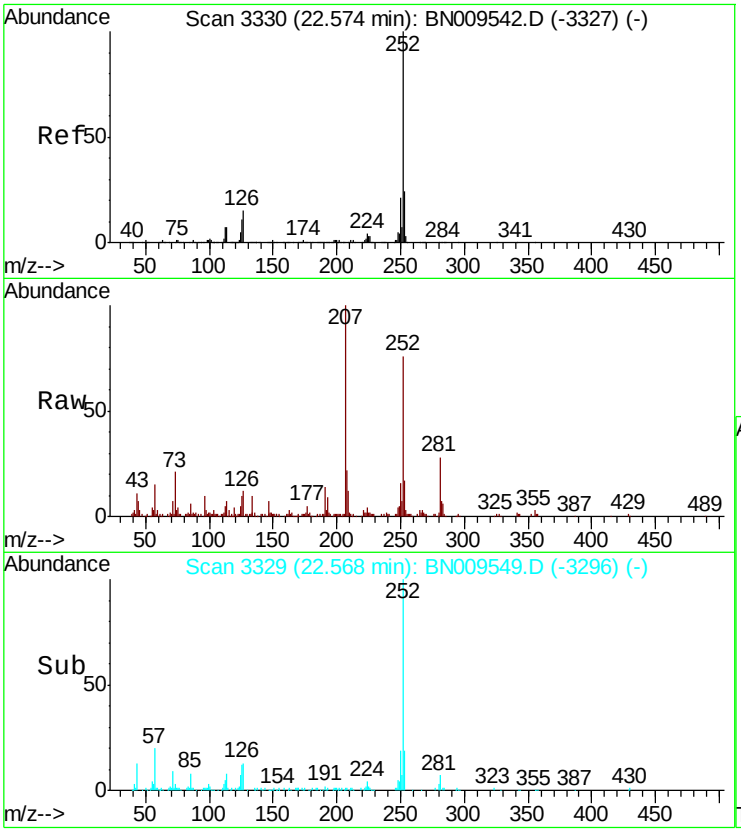


#87
Benzo(b)fluoranthene
Concen: 4.662 ng/ul m
RT: 22.54 min Scan# 3324
Delta R.T. 0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:252 Resp: 262328

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	11.9	8.2	12.2

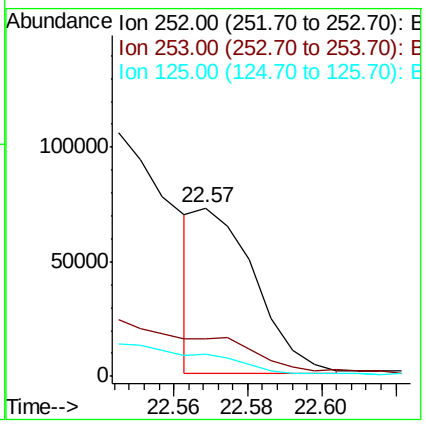




#88
Benzo(k)fluoranthene
Concen: 1.428 ng/ul m
RT: 22.57 min Scan# 3329
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:252 Resp: 79123

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	13.1	8.0	12.0#



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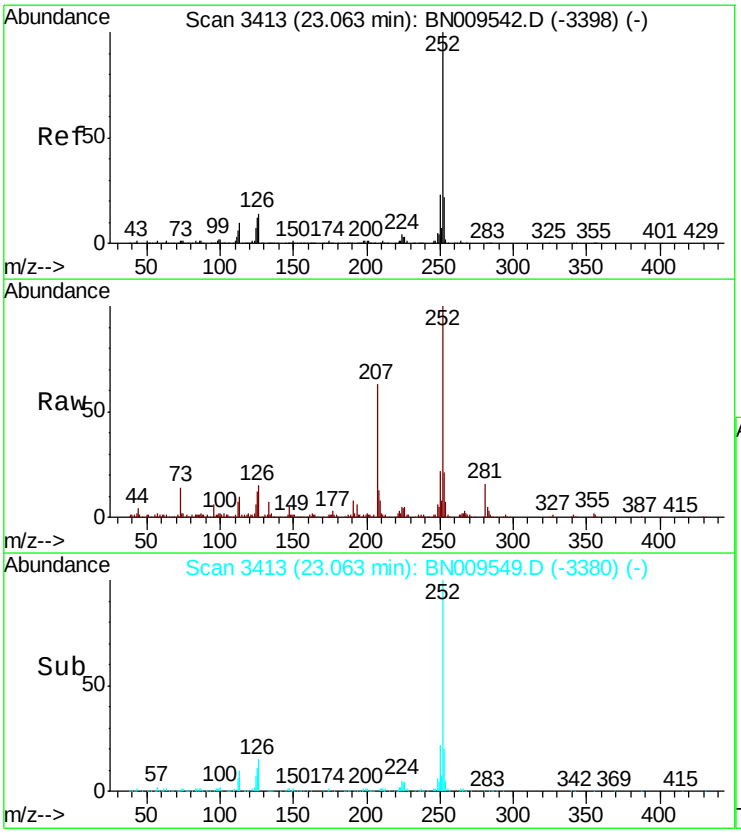
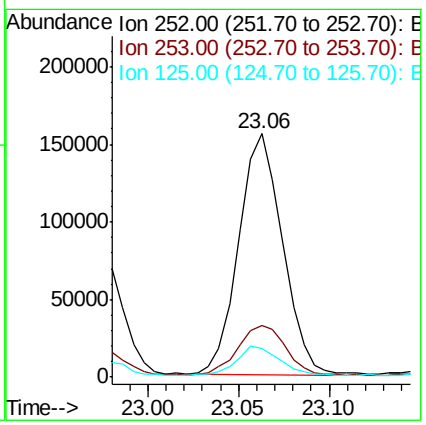
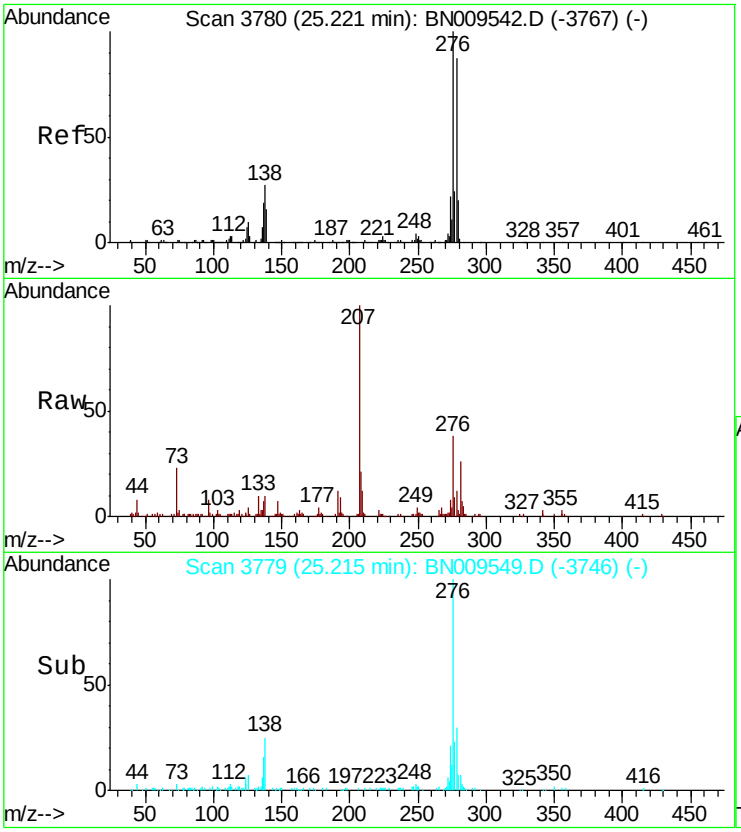


#90
Benzo(a)pyrene
Concen: 5.040 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:252 Resp: 262769

Ion	Ratio	Lower	Upper
252	100		
253	21.1	15.8	23.8
125	11.7	8.7	13.1

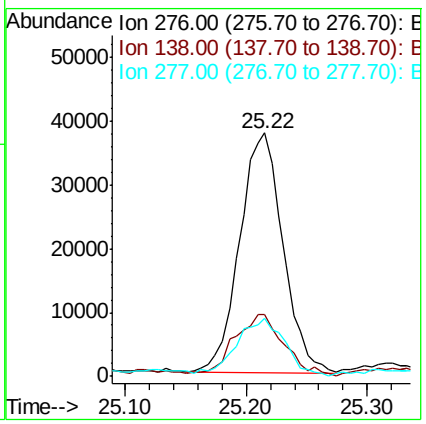




#91
Indeno(1,2,3-cd)pyrene
Concen: 1.518 ng/ul
RT: 25.22 min Scan# 3779
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

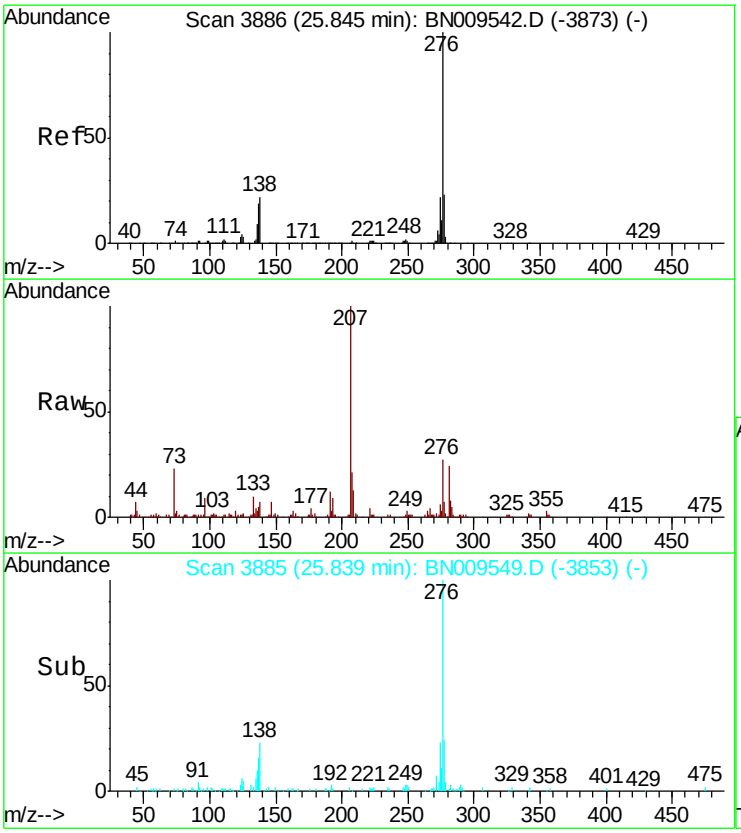
Tgt Ion:276 Resp: 94063

Ion	Ratio	Lower	Upper
276	100		
138	25.2	20.3	30.5
277	23.7	21.2	31.8



Instrument :
BNA_N
ClientSampleId :
GAT01DL

Manual Integrations APPROVED
mohammad
2/4/2020 6:15:06 PM



#93
Benzo(g,h,i)perylene
Concen: 1.410 ng/ul
RT: 25.84 min Scan# 3885
Delta R.T. -0.01 min
Lab File: BN009549.D
Acq: 04 Feb 2020 03:34

Tgt Ion:276 Resp: 73258

Ion	Ratio	Lower	Upper
276	100		
138	24.8	16.0	24.0#
277	24.4	17.0	25.6